



# FCC RF Test Report

APPLICANT : Repairify, Inc.  
EQUIPMENT : Diagnostic Tool  
BRAND NAME : asTech®  
MODEL NAME : AIO-5700-4G  
FCC ID : 2A8NIAAI14G  
STANDARD : FCC Part 15 Subpart C §15.247  
CLASSIFICATION : (DSS) Spread Spectrum Transmitter  
TEST DATE(S) : Mar. 25, 2024 ~ Apr. 28, 2024

This product installed a RF module (Brand Name: Quectel, Model Name: SC668S-NA, FCC ID: XMR2022SC668SNA) during the test, only Conducted Power, AC Conducted Emission and RSE test items are tested in this report, all the other test results are leveraged from module RF report.

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  |
|------------|---------|-------------------------|--------------|
| FR422003A  | Rev. 01 | Initial issue of report | May 28, 2024 |
|            |         |                         |              |
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## SUMMARY OF TEST RESULT

| Report Section | FCC Rule           | Description                                        | Limit                                  | Result      | Remark                                   |
|----------------|--------------------|----------------------------------------------------|----------------------------------------|-------------|------------------------------------------|
| -              | 15.247(a)(1)       | Number of Channels                                 | $\geq 15\text{Chs}$                    | Pass        | 1                                        |
| -              | 15.247(a)(1)       | Hopping Channel Separation                         | $\geq 2/3$ of 20dB BW                  | Pass        | 1                                        |
| -              | 15.247(a)(1)       | Dwell Time of Each Channel                         | $\leq 0.4\text{sec}$ in 31.6sec period | Pass        | 1                                        |
| -              | 15.247(a)(1)       | 20dB Bandwidth                                     | -                                      | Report only | 1                                        |
| -              | -                  | 99% Bandwidth                                      | -                                      | Report only | 1                                        |
| 3.1            | 15.247(b)(1)       | Peak Output Power                                  | $\leq 125\text{ mW}$                   | Pass        | -                                        |
| -              | 15.247(d)          | Conducted Band Edges                               | $\leq 20\text{dBc}$                    | Pass        | 1                                        |
| -              | 15.247(d)          | Conducted Spurious Emission                        | $\leq 20\text{dBc}$                    | Pass        | 1                                        |
| 3.2            | 15.247(d)          | Radiated Band Edges and Radiated Spurious Emission | 15.209(a) & 15.247(d)                  | Pass        | Under limit<br>10.38 dB at<br>44.550 MHz |
| 3.3            | 15.207             | AC Conducted Emission                              | 15.207(a)                              | Pass        | Under limit<br>12.02 dB at<br>0.341 MHz  |
| 3.4            | 15.203 & 15.247(b) | Antenna Requirement                                | 15.203 & 15.247(b)                     | Pass        | -                                        |

**Remark 1:** The conducted test results were leveraged from module RF report which can refer to Report No. 311713A.

## Conformity Assessment Condition:

1. 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.
2. 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

Repairify, Inc.

5700 Tennyson PKWY, STE 600, Plano, TX 75024

### 1.2 Manufacturer

Launch Tech Co., Ltd.

Launch Industrial Park, North of Wuhe Avenue, Banxuegang, Longgang, Shenzhen 518031

### 1.3 Product Feature of Equipment Under Test

| Product Feature |                                                                                                                                         |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Equipment       | Diagnostic Tool                                                                                                                         |
| Brand Name      | asTech®                                                                                                                                 |
| Model Name      | AIO-5700-4G                                                                                                                             |
| FCC ID          | 2A8NIAAI14G                                                                                                                             |
| IMEI Code       | Conducted: 865696060076162/866914028793748<br>Conduction: 865696060076162/866914028793748<br>Radiation: 865696060076063/866914028793730 |
| HW Version      | V1.2                                                                                                                                    |
| SW Version      | SC668SNANAR02A05_BP01.001V02_QDM550                                                                                                     |
| 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) : 6.56 dBm (0.0045 W)<br>Bluetooth EDR (2Mbps) : 8.22 dBm (0.0066 W)<br>Bluetooth EDR (3Mbps) : 8.62 dBm (0.0073 W) |
| Antenna Type / Gain                     | IFA Antenna with gain 1.71 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.

|                           |                                                                                                                                                |                            |                                       |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------------|
| <b>Test Firm</b>          | Sporton International Inc. (Kunshan)                                                                                                           |                            |                                       |
| <b>Test Site Location</b> | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 |                            |                                       |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b>                                                                                                                        | <b>FCC Designation No.</b> | <b>FCC Test Firm Registration No.</b> |
|                           | 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:** All test items were verified and recorded according to the standards and without any deviation during the test.



## 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           | -       | -              |

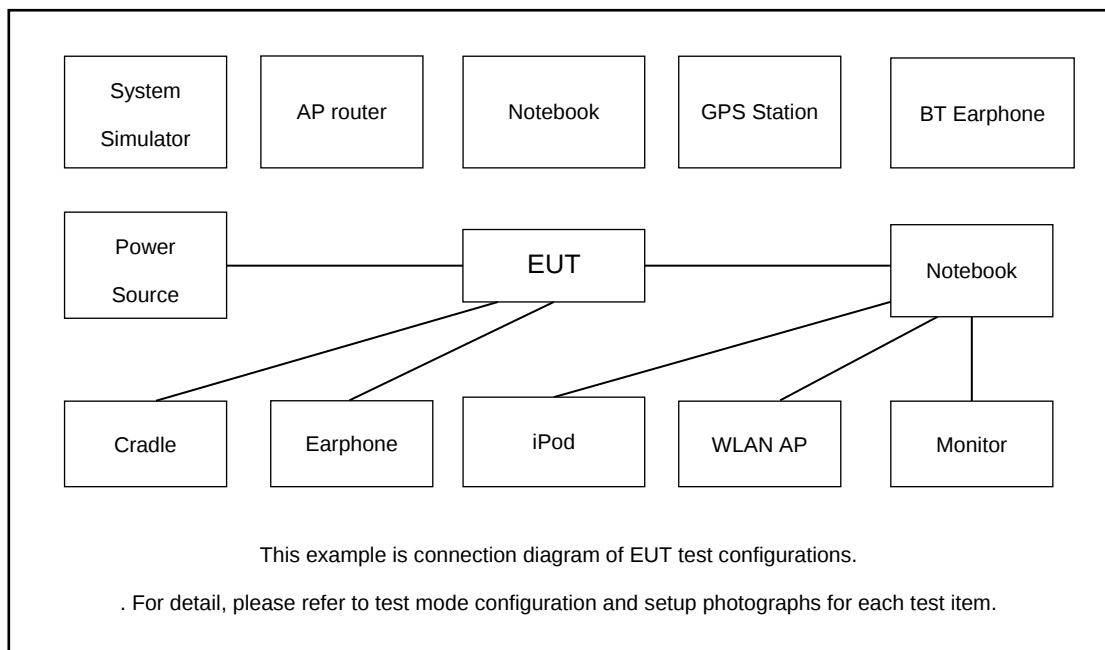
## 2.2 Test Mode

- 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 3Mbps 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 EDR 3Mbps 8-DPSK                                                            |                                  |                               |
|                                                                                                                                                                                                                                         | Mode 1: CH00_2402 MHz                                                                 |                                  |                               |
|                                                                                                                                                                                                                                         | Mode 2: CH39_2441 MHz                                                                 |                                  |                               |
|                                                                                                                                                                                                                                         | Mode 3: CH78_2480 MHz                                                                 |                                  |                               |
| AC<br>Conducted<br>Emission                                                                                                                                                                                                             | Mode 1 : Band 26 RX(Middle)+ BT Link+ WLAN Link(2.4G)+ USB cable TYPE-C(from Adapter) |                                  |                               |
| Remark:                                                                                                                                                                                                                                 |                                                                                       |                                  |                               |
| 1. For radiated test cases, the worst mode data rate 3Mbps 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. |                                                                                       |                                  |                               |

## 2.3 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.   | System Simulator   | Anritus    | MT8821C       | N/A           | N/A        | Unshielded,1.8m                                            |
| 2.   | Notebook           | Lenovo     | G480          | QDS-BRCM1050I | N/A        | AC I/P:<br>Unshielded, 1.8 m<br>DC O/P:<br>Shielded, 1.8 m |
| 3.   | Bluetooth Earphone | Lenovo     | thinkplus-BH3 | N/A           | N/A        | N/A                                                        |
| 4.   | WLAN AP            | D-link     | DIR-655       | KA21R655B1    | N/A        | Unshielded,1.8m                                            |
| 5.   | SD Card            | Kingston   | 8GB           | 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.

### 3 Test Result

#### 3.1 Output Power Measurement

##### 3.1.1 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.

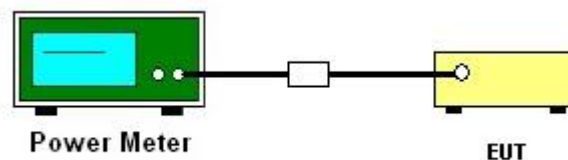
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

1. The testing follows ANSI C63.10-2013 clause 7.8.5.
1. 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.
2. Set to the maximum power setting and enable the EUT transmit continuously.
3. Measure the conducted output power with cable loss and record the results in the test report.
4. Measure and record the results in the test report.

##### 3.1.4 Test Setup



**3.1.5 Test Result of Peak Output Power**

| DH  | CH. | NTX | Peak Power (dBm) | Power Limit (dBm) | Test Result |
|-----|-----|-----|------------------|-------------------|-------------|
| DH1 | 0   | 1   | 6.47             | 20.97             | Pass        |
|     | 39  | 1   | 6.16             | 20.97             | Pass        |
|     | 78  | 1   | <b>6.56</b>      | 20.97             | Pass        |

| 2DH  | CH. | NTX | Peak Power (dBm) | Power Limit (dBm) | Test Result |
|------|-----|-----|------------------|-------------------|-------------|
| 2DH1 | 0   | 1   | 8.16             | 20.97             | Pass        |
|      | 39  | 1   | 8.05             | 20.97             | Pass        |
|      | 78  | 1   | <b>8.22</b>      | 20.97             | Pass        |

| 3DH  | CH. | NTX | Peak Power (dBm) | Power Limit (dBm) | Test Result |
|------|-----|-----|------------------|-------------------|-------------|
| 3DH1 | 0   | 1   | 8.54             | 20.97             | Pass        |
|      | 39  | 1   | 8.48             | 20.97             | Pass        |
|      | 78  | 1   | <b>8.62</b>      | 20.97             | Pass        |

Note: Power setting is default.



## 3.2 Radiated Band Edges and Spurious Emission Measurement

### 3.2.1 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                                |

### 3.2.2 Measuring Instruments

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

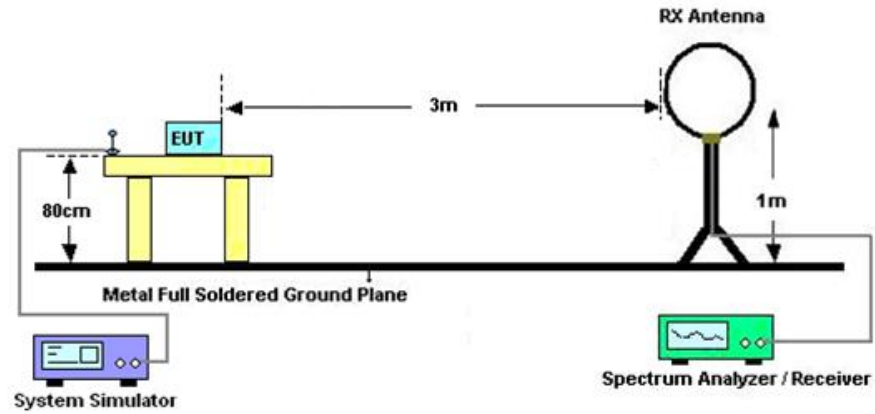
### 3.2.3 Test Procedures

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  
$$\text{On time} = N_1 * L_1 + N_2 * L_2 + \dots + N_{n-1} * L_{n-1} + N_n * L_n$$
  
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.

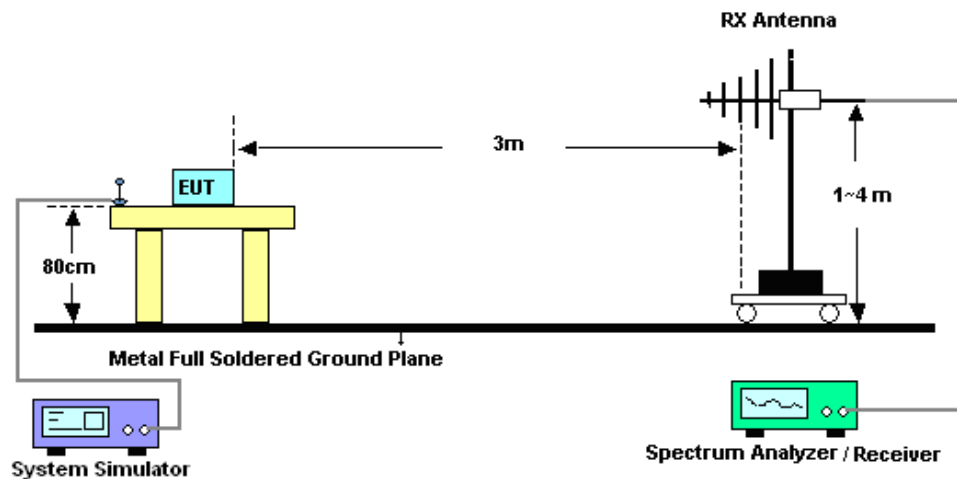
Note: The average levels were calculated from the peak level corrected with duty cycle correction factor (-24.79dB) derived from  $20 \log(\text{dwell time}/100\text{ms})$ . This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals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

### 3.2.4 Test Setup

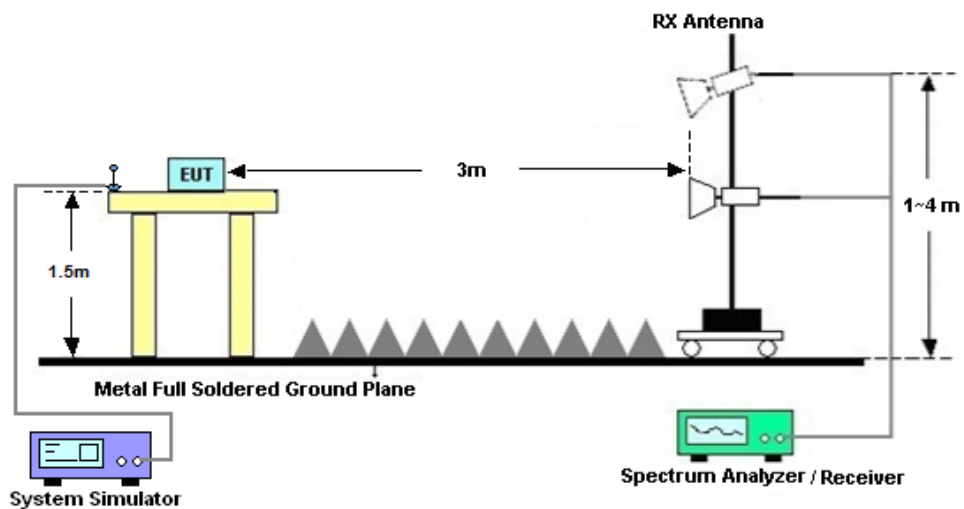
For radiated emissions below 30MHz



For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz





### **3.2.5 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.

### **3.2.6 Test Result of Radiated Spurious at Band Edges**

Please refer to Appendix B.

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

Please refer to Appendix B.

### **3.2.8 Duty cycle correction factor for average measurement**

Please refer to Appendix C.

### 3.3 AC Conducted Emission Measurement

#### 3.3.1 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.

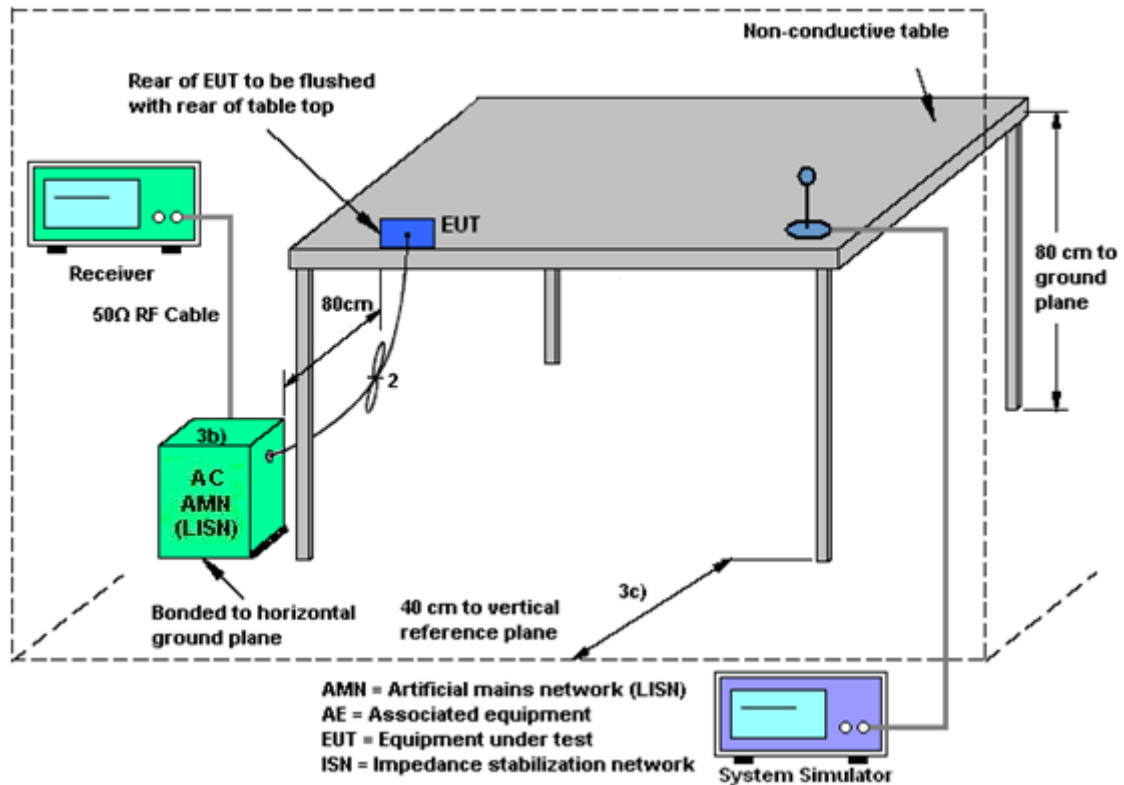
#### 3.3.2 Measuring Instruments

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

#### 3.3.3 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.

### 3.3.4 Test Setup



### 3.3.5 Test Result of AC Conducted Emission

Please refer to Appendix A.



## **3.4 Antenna Requirements**

### **3.4.1 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.

### **3.4.2 Antenna Anti-Replacement Construction**

An embedded-in antenna design is used.

### **3.4.3 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          | FSV40      | 101040       | 10Hz~40GHz              | Oct. 11, 2023    | Apr. 28, 2024 | Oct. 10, 2024 | Conducted (TH01-KS)   |
| Pulse Power Sensor                | Anritsu      | MA2411B    | 0917070      | 300MHz~40GHz            | Jan. 02, 2024    | Apr. 28, 2024 | Jan. 01, 2025 | Conducted (TH01-KS)   |
| Power Meter                       | Anritsu      | ML2495A    | 1005002      | 50MHz Bandwidth         | Jan. 02, 2024    | Apr. 28, 2024 | Jan. 01, 2025 | Conducted (TH01-KS)   |
| EMI Test Receiver                 | Keysight     | N9038A     | MY56400023   | 3Hz~8.5GHz; Max 30dBm   | Jan. 04, 2024    | Apr. 17, 2024 | Jan. 03, 2025 | Radiation (03CH08-KS) |
| Spectrum Analyzer                 | R&S          | FSV40      | 101932       | 10kHz~40GHz; Max 30dBm  | Oct. 10, 2023    | Apr. 17, 2024 | Oct. 09, 2024 | Radiation (03CH08-KS) |
| Loop Antenna                      | R&S          | HFH2-Z2E   | 101125       | 9kHz~30MHz              | Oct. 10, 2023    | Apr. 17, 2024 | Oct. 09, 2024 | Radiation (03CH08-KS) |
| Bilog Antenna                     | TESEQ& VGT   | CBL 61110  | 59915        | 30MHz~1GHz              | Aug. 12, 2023    | Apr. 17, 2024 | Aug. 11, 2024 | Radiation (03CH08-KS) |
| Double Ridge Horn Antenna         | ETS-Lindgren | 3117       | 75959        | 1GHz~18GHz              | Mar. 01, 2024    | Apr. 17, 2024 | Feb. 28, 2025 | Radiation (03CH08-KS) |
| high gain Amplifier               | EM           | EM01G18GA  | 060845       | 1Ghz-18Ghz              | Jan. 05, 2024    | Apr. 17, 2024 | Jan. 04, 2025 | Radiation (03CH08-KS) |
| SHF-EHF Horn                      | Com-power    | AH-840     | 101070       | 18GHz~40GHz             | Jan. 05, 2024    | Apr. 17, 2024 | Jan. 04, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | SONOMA       | 310N       | 413741       | 9KHz-1GHz               | Jan. 05, 2024    | Apr. 17, 2024 | Jan. 04, 2025 | Radiation (03CH08-KS) |
| Amplifier                         | EM           | EM01G18GA  | 060834       | 1Ghz-18Ghz              | Oct. 10, 2023    | Apr. 17, 2024 | Oct. 09, 2024 | Radiation (03CH08-KS) |
| Amplifier                         | MITEQ        | EM18G40GGA | 060728       | 18~40GHz                | Jan. 04, 2024    | Apr. 17, 2024 | Jan. 03, 2025 | Radiation (03CH08-KS) |
| AC Power Source                   | Chroma       | 61601      | 616010002473 | N/A                     | NCR              | Apr. 17, 2024 | NCR           | Radiation (03CH08-KS) |
| Turn Table                        | EM           | EM 1000-T  | N/A          | 0~360 degree            | NCR              | Apr. 17, 2024 | NCR           | Radiation (03CH08-KS) |
| Antenna Mast                      | EM           | EM 1000-A  | N/A          | 1 m~4 m                 | NCR              | Apr. 17, 2024 | NCR           | Radiation (03CH08-KS) |
| EMI Receiver                      | R&S          | ESCI7      | 100768       | 9kHz~7GHz;              | May 16, 2023     | Mar. 25, 2024 | May 15, 2024  | Conduction (CO01-KS)  |
| AC LISN (for auxiliary equipment) | MessTec      | AN3016     | 060103       | 9kHz~30MHz              | Oct. 11, 2023    | Mar. 25, 2024 | Oct. 10, 2024 | Conduction (CO01-KS)  |
| AC LISN                           | MessTec      | AN3016     | 060105       | 9kHz~30MHz              | May 16, 2023     | Mar. 25, 2024 | May 15, 2024  | Conduction (CO01-KS)  |
| AC Power Source                   | Chroma       | 61602      | ABP000000811 | AC 0V~300V, 45Hz~1000Hz | Oct. 11, 2023    | Mar. 25, 2024 | Oct. 10, 2024 | 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 Power | $\pm 0.46$ dB |
|-----------------|---------------|

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

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

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 3.32 dB |
|--------------------------------------------------------------------------|---------|

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 6.28 dB |
|--------------------------------------------------------------------------|---------|

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

|                                                                          |         |
|--------------------------------------------------------------------------|---------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2U_c(y)$ ) | 4.90 dB |
|--------------------------------------------------------------------------|---------|

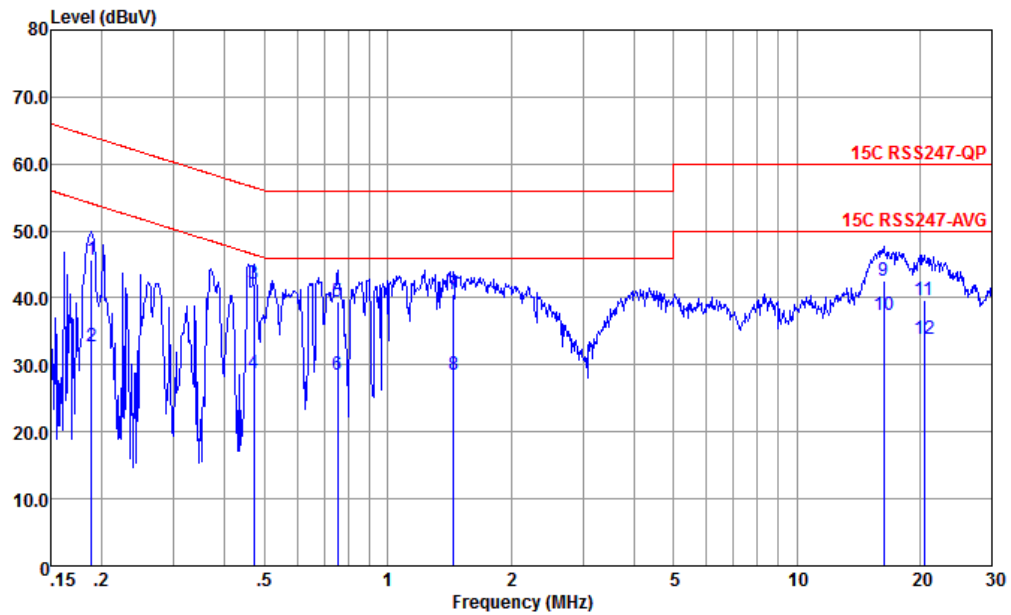
### Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

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

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

## Appendix A. AC Conducted Emission Test Results

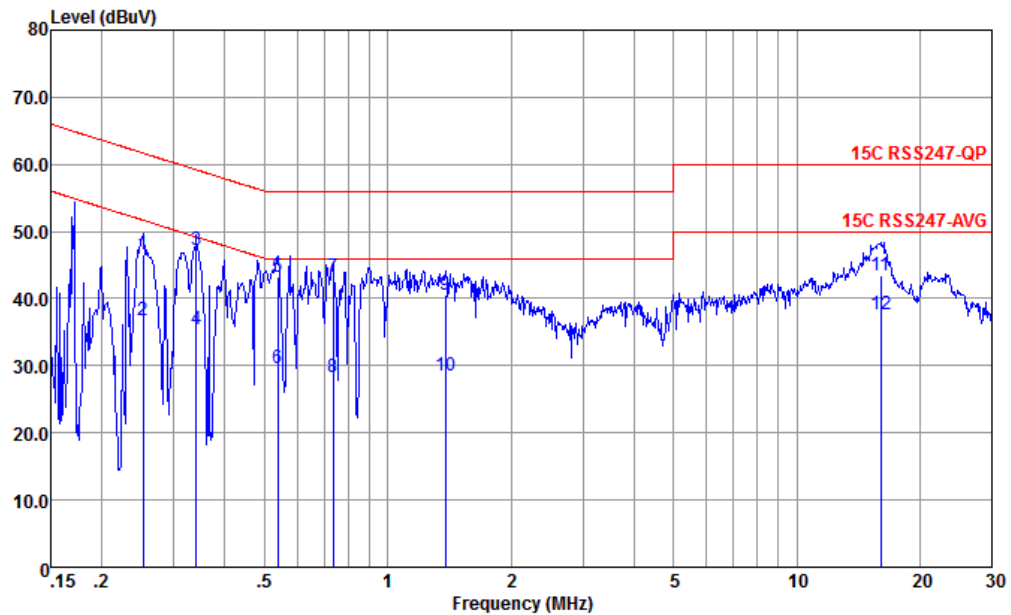
|                        |                                                                                 |                            |             |
|------------------------|---------------------------------------------------------------------------------|----------------------------|-------------|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



Site : CO01-KS  
Condition : 15C RSS247-QP LISN-060105-L 2023 LINE

|      | Freq   | Level | Over   | Limit | Read  | LISN   | Cable |         |
|------|--------|-------|--------|-------|-------|--------|-------|---------|
|      | MHz    | dBuV  | Limit  | Line  | Level | Factor | Loss  | Remark  |
|      | MHz    | dBuV  | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1    | 0.188  | 45.65 | -18.46 | 64.11 | 35.21 | 0.03   | 10.41 | QP      |
| 2    | 0.188  | 32.75 | -21.36 | 54.11 | 22.31 | 0.03   | 10.41 | Average |
| 3    | 0.471  | 42.01 | -14.48 | 56.49 | 31.79 | -0.02  | 10.24 | QP      |
| 4    | 0.471  | 28.81 | -17.68 | 46.49 | 18.59 | -0.02  | 10.24 | Average |
| 5    | 0.755  | 39.55 | -16.45 | 56.00 | 29.51 | -0.08  | 10.12 | QP      |
| 6    | 0.755  | 28.55 | -17.45 | 46.00 | 18.51 | -0.08  | 10.12 | Average |
| 7    | 1.449  | 40.46 | -15.54 | 56.00 | 30.50 | -0.12  | 10.08 | QP      |
| 8    | 1.449  | 28.46 | -17.54 | 46.00 | 18.50 | -0.12  | 10.08 | Average |
| 9    | 16.312 | 42.56 | -17.44 | 60.00 | 31.50 | -0.19  | 11.25 | QP      |
| 10 * | 16.312 | 37.36 | -12.64 | 50.00 | 26.30 | -0.19  | 11.25 | Average |
| 11   | 20.486 | 39.60 | -20.40 | 60.00 | 28.60 | -0.36  | 11.36 | QP      |
| 12   | 20.486 | 33.90 | -16.10 | 50.00 | 22.90 | -0.36  | 11.36 | Average |

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



Site : CO01-KS  
Condition : 15C RSS247-QP LISN-060105-N 2023 NEUTRAL

|     | Freq   | Level | Over   | Limit | Read  | LISN   | Cable | Remark  |
|-----|--------|-------|--------|-------|-------|--------|-------|---------|
|     | MHz    | dBuV  | Limit  | Line  | Level | Factor | Loss  |         |
|     |        |       | dB     | dBuV  | dBuV  | dB     | dB    |         |
| 1   | 0.252  | 46.56 | -15.13 | 61.69 | 36.19 | 0.00   | 10.37 | QP      |
| 2   | 0.252  | 36.66 | -15.03 | 51.69 | 26.29 | 0.00   | 10.37 | Average |
| 3 * | 0.341  | 47.16 | -12.02 | 59.18 | 36.90 | -0.05  | 10.31 | QP      |
| 4   | 0.341  | 35.46 | -13.72 | 49.18 | 25.20 | -0.05  | 10.31 | Average |
| 5   | 0.538  | 43.33 | -12.67 | 56.00 | 33.20 | -0.07  | 10.20 | QP      |
| 6   | 0.538  | 29.73 | -16.27 | 46.00 | 19.60 | -0.07  | 10.20 | Average |
| 7   | 0.735  | 43.26 | -12.74 | 56.00 | 33.20 | -0.07  | 10.13 | QP      |
| 8   | 0.735  | 28.26 | -17.74 | 46.00 | 18.20 | -0.07  | 10.13 | Average |
| 9   | 1.381  | 40.57 | -15.43 | 56.00 | 30.60 | -0.11  | 10.08 | QP      |
| 10  | 1.381  | 28.57 | -17.43 | 46.00 | 18.60 | -0.11  | 10.08 | Average |
| 11  | 16.055 | 43.40 | -16.60 | 60.00 | 32.30 | -0.14  | 11.24 | QP      |
| 12  | 16.055 | 37.70 | -12.30 | 50.00 | 26.60 | -0.14  | 11.24 | Average |

Note:

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



## Appendix B. Radiated Spurious Emission Test Data

|                 |        |                     |        |
|-----------------|--------|---------------------|--------|
| Test Engineer : | Koi Ji | Relative Humidity : | 41~42% |
|                 |        | Temperature :       | 22~23℃ |

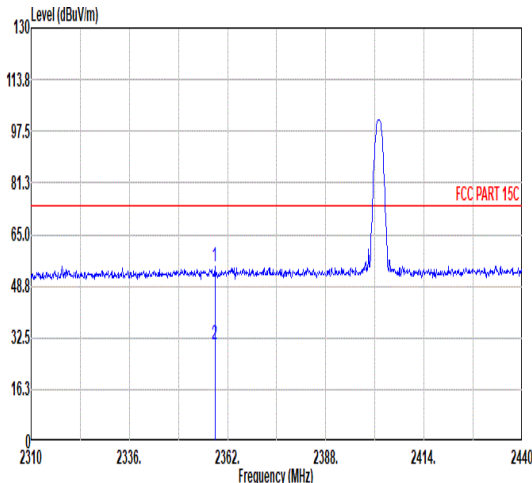
### Radiated Spurious Emission Test Modes

| Mode   | Band (MHz)  | Antenna | Modulation           | Channel | Frequency | Data Rate | RU | Remark |
|--------|-------------|---------|----------------------|---------|-----------|-----------|----|--------|
| Mode 1 | 2400-2483.5 | 3       | Bluetooth EDR_8-DPSK | 00      | 2402      | 3Mbps     | -  | -      |
| Mode 2 | 2400-2483.5 | 3       | Bluetooth EDR_8-DPSK | 39      | 2441      | 3Mbps     | -  | -      |
| Mode 3 | 2400-2483.5 | 3       | Bluetooth EDR_8-DPSK | 78      | 2480      | 3Mbps     | -  | -      |

### 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 EDR_8-DPSK | 00  | 2358.62     | 54.97          | 74.00          | -19.03      | H    | PEAK      | Pass   | Band Edge |
| 1    | Bluetooth EDR_8-DPSK | 00  | 4804.00     | 40.22          | 74.00          | -33.78      | V    | PEAK      | Pass   | Harmonic  |
| 2    | Bluetooth EDR_8-DPSK | 39  | -           | -              | -              | -           | -    | -         | -      | Band Edge |
| 2    | Bluetooth EDR_8-DPSK | 39  | 7323.00     | 42.20          | 74.00          | -31.80      | H    | PEAK      | Pass   | Harmonic  |
| 3    | Bluetooth EDR_8-DPSK | 78  | 2483.78     | 59.49          | 74.00          | -14.51      | H    | PEAK      | Pass   | Band Edge |
| 3    | Bluetooth EDR_8-DPSK | 78  | 7440.00     | 42.75          | 74.00          | -31.25      | H    | PEAK      | Pass   | Harmonic  |

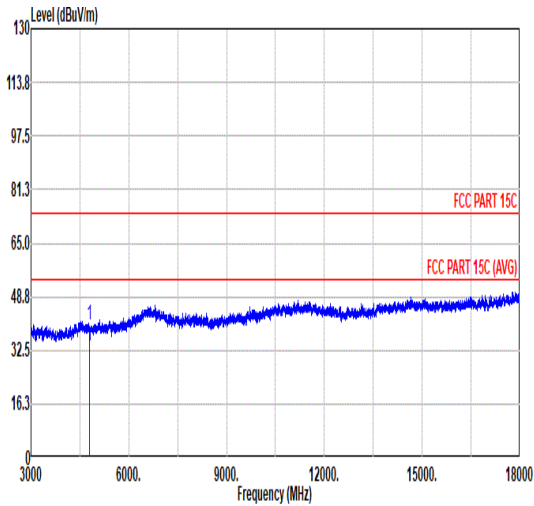
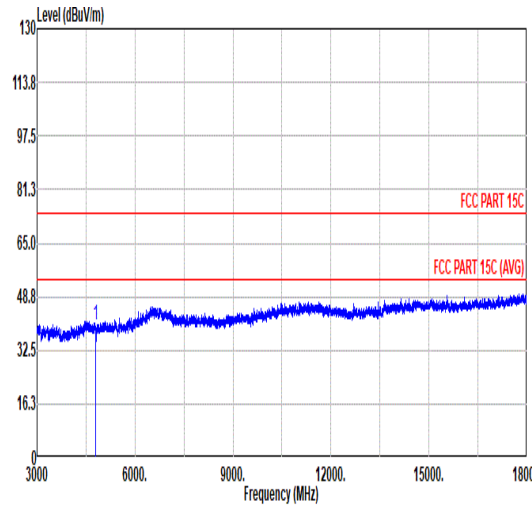


| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |             |        |        |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------------|--------|--------|------|--|--|-------|------|-----|-------|--------|-----|------|------|------|-------|------|--------|-------|--------|------|--------|--------|--|-----|--------|--------|----|------|------|----|----|---|---------|--------|-------|--------|-------|-------|------|-------|---|---------|-------|-------|--------|-------|-------|------|-------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |             |        |        |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
|      | 2400-2483.5_ Bluetooth EDR_8-DPSK _CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |             |        |        |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |             |        |        |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| 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></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></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></tr><tr><td>1</td><td>2358.62</td><td>54.97</td><td>74.00</td><td>-19.03</td><td>38.89</td><td>32.32</td><td>8.70</td><td>30.94</td></tr><tr><td>2</td><td>2358.62</td><td>30.18</td><td>54.00</td><td>-23.82</td><td>14.10</td><td>32.32</td><td>8.70</td><td>30.94</td></tr></table> |        |        |        |        |             |        |        |      |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | 1 | 2358.62 | 54.97  | 74.00 | -19.03 | 38.89 | 32.32 | 8.70 | 30.94 | 2 | 2358.62 | 30.18 | 54.00 | -23.82 | 14.10 | 32.32 | 8.70 | 30.94 |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Limit  | Read   | Ant    | Cable  | Preamp      | Aux    | APos   | TPos |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level  | Factor | Loss        | Factor | Factor |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m | dBuV/m | dB     | dBuV   | dB/m        | dB     | dB     |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| 1    | 2358.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 54.97  | 74.00  | -19.03 | 38.89  | 32.32       | 8.70   | 30.94  |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| 2    | 2358.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 30.18  | 54.00  | -23.82 | 14.10  | 32.32       | 8.70   | 30.94  |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
|      | <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></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></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></tr><tr><td>1</td><td>2402.00</td><td>101.26</td><td>-----</td><td>-----</td><td>84.99</td><td>32.40</td><td>8.80</td><td>30.93</td></tr><tr><td>2</td><td>2402.00</td><td>76.47</td><td>-----</td><td>-----</td><td>60.20</td><td>32.40</td><td>8.80</td><td>30.93</td></tr></table>  |        |        |        |        |             |        |        |      |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | 1 | 2402.00 | 101.26 | ----- | -----  | 84.99 | 32.40 | 8.80 | 30.93 | 2 | 2402.00 | 76.47 | ----- | -----  | 60.20 | 32.40 | 8.80 | 30.93 |
|      | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Read   | Ant    | Cable  | Preamp | Aux         | APos   | TPos   |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| Freq | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Line   | Margin | Level  | Factor | Loss        | Factor | Factor |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | dBuV/m | dBuV/m | dB     | dBuV   | dB/m        | dB     | dB     |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| 1    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 101.26 | -----  | -----  | 84.99  | 32.40       | 8.80   | 30.93  |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |
| 2    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 76.47  | -----  | -----  | 60.20  | 32.40       | 8.80   | 30.93  |      |  |  |       |      |     |       |        |     |      |      |      |       |      |        |       |        |      |        |        |  |     |        |        |    |      |      |    |    |   |         |        |       |        |       |       |      |       |   |         |       |       |        |       |       |      |       |

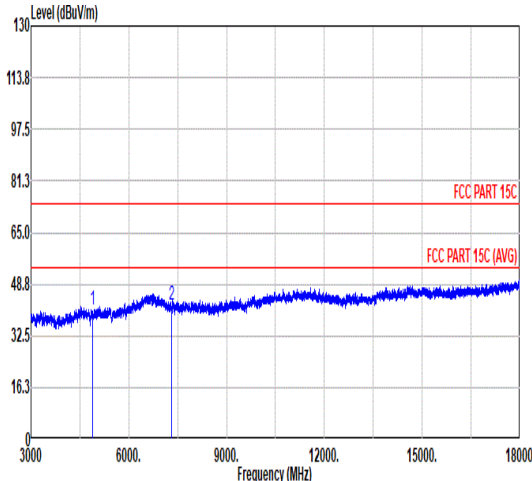
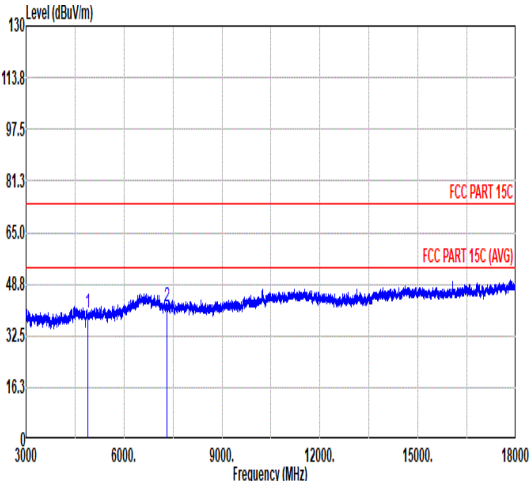


| Mode                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |             |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------|--------|--------|-----|-----|---------|-------|-------|------|-------|--------|--------|------|------|------|------|-------|-------|--------|--------|--------|--------|--------|--------|--------|--------|-----|--------|--------|--------|------|------|------|----|----|-----|-----|---------|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|------|------|---------|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|---------|---------|
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |        |             |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 2400-2483.5_Bluetooth EDR_8-DPSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |        |             |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| ANT                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |             |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| Pol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        | Fundamental |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| Peak                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |             |        |        |     |     |         |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <table><thead><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></thead><tbody><tr><td>1</td><td>2347.57</td><td>54.68</td><td>74.00</td><td>-19.32</td><td>38.67</td><td>32.28</td><td>8.67</td><td>30.94</td><td>6.00</td><td>102</td><td>245</td><td>PEAK</td></tr><tr><td>2</td><td>2347.57</td><td>29.89</td><td>54.00</td><td>-24.11</td><td>13.88</td><td>32.28</td><td>8.67</td><td>30.94</td><td>6.00</td><td>102</td><td>245</td><td>AVERAGE</td></tr></tbody></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       | 2347.57 | 54.68 | 74.00 | -19.32 | 38.67 | 32.28 | 8.67  | 30.94 | 6.00 | 102 | 245  | PEAK | 2       | 2347.57 | 29.89 | 54.00 | -24.11 | 13.88 | 32.28 | 8.67  | 30.94 | 6.00 | 102 | 245     | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2347.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 54.68  | 74.00  | -19.32 | 38.67  | 32.28  | 8.67        | 30.94  | 6.00   | 102 | 245 | PEAK    |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2347.57                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 29.89  | 54.00  | -24.11 | 13.88  | 32.28  | 8.67        | 30.94  | 6.00   | 102 | 245 | AVERAGE |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| <table><thead><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></thead><tbody><tr><td>1</td><td>2402.00</td><td>101.24</td><td>-----</td><td>-----</td><td>84.97</td><td>32.40</td><td>8.80</td><td>30.93</td><td>6.00</td><td>102</td><td>245</td><td>PEAK</td></tr><tr><td>2</td><td>2402.00</td><td>76.45</td><td>-----</td><td>-----</td><td>60.18</td><td>32.40</td><td>8.80</td><td>30.93</td><td>6.00</td><td>102</td><td>245</td><td>AVERAGE</td></tr></tbody></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   | 2402.00 | 101.24  | ----- | ----- | 84.97  | 32.40 | 8.80  | 30.93 | 6.00  | 102  | 245 | PEAK | 2    | 2402.00 | 76.45   | ----- | ----- | 60.18  | 32.40 | 8.80  | 30.93 | 6.00  | 102  | 245 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 101.24 | -----  | -----  | 84.97  | 32.40  | 8.80        | 30.93  | 6.00   | 102 | 245 | PEAK    |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 76.45  | -----  | -----  | 60.18  | 32.40  | 8.80        | 30.93  | 6.00   | 102 | 245 | AVERAGE |       |       |      |       |        |        |      |      |      |      |       |       |        |        |        |        |        |        |        |        |     |        |        |        |      |      |      |    |    |     |     |         |         |       |       |        |       |       |       |       |      |     |      |      |         |         |       |       |        |       |       |       |       |      |     |         |         |

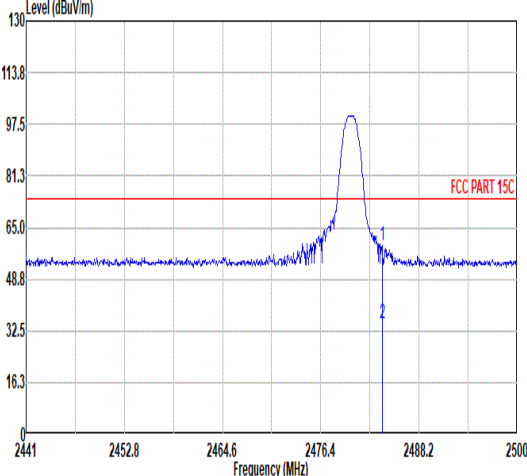
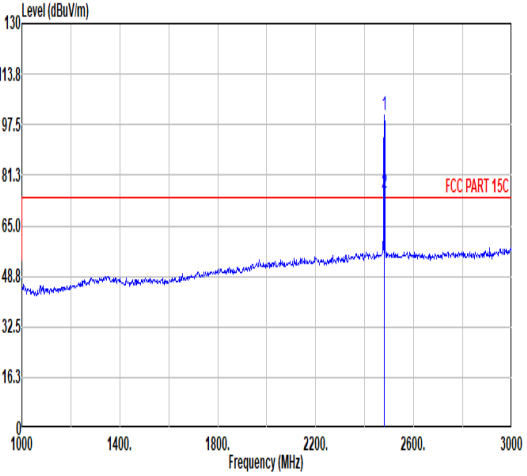


| Mode            | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|--------|--------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
|                 | 2400-2483.5_Bluetooth EDR_8-DPSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
| ANT             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |        | Vertical                                                                            |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
|                 | <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>4804.00</td><td>40.11</td><td>74.00</td><td>-33.89</td><td>58.97</td><td>34.29</td><td>12.54</td><td>65.69</td><td>0.00</td><td>--</td><td>PEAK</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 | 4804.00 | 40.11 | 74.00 | -33.89 | 58.97 | 34.29 | 12.54 | 65.69 | 0.00 | -- | 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>4804.00</td><td>40.22</td><td>74.00</td><td>-33.78</td><td>59.08</td><td>34.29</td><td>12.54</td><td>65.69</td><td>0.00</td><td>--</td><td>PEAK</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 | 4804.00 | 40.22 | 74.00 | -33.78 | 59.08 | 34.29 | 12.54 | 65.69 | 0.00 | -- | PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 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               | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40.11  | 74.00  | -33.89 | 58.97  | 34.29  | 12.54                                                                               | 65.69  | 0.00   | --  | PEAK  |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
|                 | 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               | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 40.22  | 74.00  | -33.78 | 59.08  | 34.29  | 12.54                                                                               | 65.69  | 0.00   | --  | PEAK  |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |                                                                                     |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |



| Mode            | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |                                                                                     |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|--------|------|-----|---------|--------|-----|------|------|------|-------|------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|------|-------|------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|
|                 | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |                                                                                     |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|                 | 2400-2483.5_Bluetooth EDR_8-DPSK_CH39_2441MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |                                                                                     |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| ANT             | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |                                                                                     |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| Pol.            | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |        | Vertical                                                                            |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| Peak<br><br>Avg |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |  |        |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|                 | <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></tr><tr><th>Freq</th><th>Level</th><th>Line</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><th></th></tr><tr><td>1</td><td>4882.00</td><td>40.90</td><td>74.00</td><td>-33.10</td><td>60.18</td><td>34.20</td><td>12.06</td><td>65.54</td><td>0.00</td><td>--</td><td>-- PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>42.20</td><td>74.00</td><td>-31.80</td><td>56.27</td><td>35.00</td><td>14.99</td><td>64.86</td><td>0.00</td><td>--</td><td>-- PEAK</td></tr></table> |        |        |        |        |        |                                                                                     | Limit  | Read | Ant | Cable   | Preamp | Aux | APos | TPos | Freq | Level | Line | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 4882.00 | 40.90 | 74.00 | -33.10 | 60.18 | 34.20 | 12.06 | 65.54 | 0.00 | -- | -- PEAK | 2 | 7323.00 | 42.20 | 74.00 | -31.80 | 56.27 | 35.00 | 14.99 | 64.86 | 0.00 | -- | -- 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></tr><tr><th>Freq</th><th>Level</th><th>Line</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><th></th></tr><tr><td>1</td><td>4882.00</td><td>39.64</td><td>74.00</td><td>-34.36</td><td>58.92</td><td>34.20</td><td>12.06</td><td>65.54</td><td>0.00</td><td>--</td><td>-- PEAK</td></tr><tr><td>2</td><td>7323.00</td><td>41.78</td><td>74.00</td><td>-32.22</td><td>55.85</td><td>35.00</td><td>14.99</td><td>64.86</td><td>0.00</td><td>--</td><td>-- PEAK</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Freq | Level | Line | Level | Factor | Loss | Factor | Factor | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 4882.00 | 39.64 | 74.00 | -34.36 | 58.92 | 34.20 | 12.06 | 65.54 | 0.00 | -- | -- PEAK | 2 | 7323.00 | 41.78 | 74.00 | -32.22 | 55.85 | 35.00 | 14.99 | 64.86 | 0.00 | -- | -- PEAK |
|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Limit  | Read   | Ant    | Cable  | Preamp | Aux                                                                                 | APos   | TPos |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Line   | Level  | Factor | Loss   | Factor | Factor                                                                              | Remark |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm   | deg |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| 1               | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 40.90  | 74.00  | -33.10 | 60.18  | 34.20  | 12.06                                                                               | 65.54  | 0.00 | --  | -- PEAK |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| 2               | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 42.20  | 74.00  | -31.80 | 56.27  | 35.00  | 14.99                                                                               | 64.86  | 0.00 | --  | -- PEAK |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|                 | Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Read   | Ant    | Cable  | Preamp | Aux    | APos                                                                                | TPos   |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| Freq            | Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Line   | Level  | Factor | Loss   | Factor | Factor                                                                              | Remark |      |     |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
|                 | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | dBuV/m | dBuV/m | dB     | dBuV   | dB/m   | dB                                                                                  | dB     | cm   | deg |         |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| 1               | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 39.64  | 74.00  | -34.36 | 58.92  | 34.20  | 12.06                                                                               | 65.54  | 0.00 | --  | -- PEAK |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |
| 2               | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 41.78  | 74.00  | -32.22 | 55.85  | 35.00  | 14.99                                                                               | 64.86  | 0.00 | --  | -- PEAK |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |       |      |     |       |        |     |      |      |      |       |      |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |  |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |       |       |       |       |      |    |         |



| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |        |                                                                                     |        |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|--------|--------|---------|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|--|---|---------|-------|-------|--------|-------|-------|------|-------|------|------|---|---------|-------|-------|--------|-------|-------|------|-------|------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|--|---|---------|--------|-------|-------|-------|-------|------|-------|------|------|---|---------|-------|-------|-------|-------|-------|------|-------|------|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |        |                                                                                     |        |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
|      | 2400-2483.5_Bluetooth EDR_8-DPSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |        |        |        |        |        |                                                                                     |        |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |        |                                                                                     |        |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| 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></th></tr><tr><td>1</td><td>2483.78</td><td>59.49</td><td>74.00</td><td>-14.51</td><td>43.18</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>PEAK</td></tr><tr><td>2</td><td>2483.78</td><td>34.70</td><td>54.00</td><td>-19.30</td><td>18.39</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</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 |  | 1 | 2483.78 | 59.49 | 74.00 | -14.51 | 43.18 | 32.40 | 8.88 | 30.97 | 6.00 | PEAK | 2 | 2483.78 | 34.70 | 54.00 | -19.30 | 18.39 | 32.40 | 8.88 | 30.97 | 6.00 | 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></th></tr><tr><td>1</td><td>2480.00</td><td>100.43</td><td>-----</td><td>-----</td><td>84.12</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>75.64</td><td>-----</td><td>-----</td><td>59.33</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</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 |  | 1 | 2480.00 | 100.43 | ----- | ----- | 84.12 | 32.40 | 8.88 | 30.97 | 6.00 | PEAK | 2 | 2480.00 | 75.64 | ----- | ----- | 59.33 | 32.40 | 8.88 | 30.97 | 6.00 | 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     |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| 1    | 2483.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 59.49  | 74.00  | -14.51 | 43.18  | 32.40  | 8.88                                                                                | 30.97  | 6.00   | PEAK    |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| 2    | 2483.78                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 34.70  | 54.00  | -19.30 | 18.39  | 32.40  | 8.88                                                                                | 30.97  | 6.00   | 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     |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| 1    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 100.43 | -----  | -----  | 84.12  | 32.40  | 8.88                                                                                | 30.97  | 6.00   | PEAK    |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 75.64  | -----  | -----  | 59.33  | 32.40  | 8.88                                                                                | 30.97  | 6.00   | AVERAGE |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |                                                                                     |        |        |         |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |      |      |   |         |       |       |        |       |       |      |       |      |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |       |       |      |       |      |      |   |         |       |       |       |       |       |      |       |      |         |



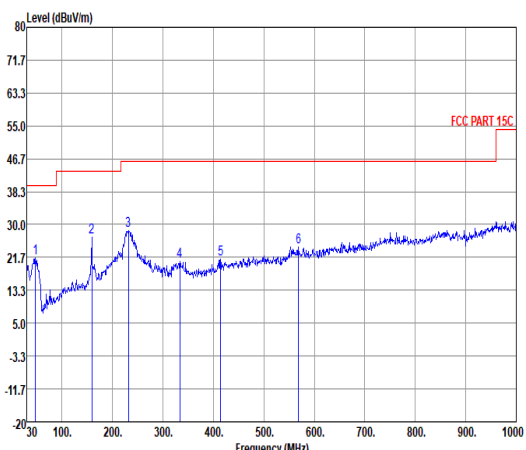
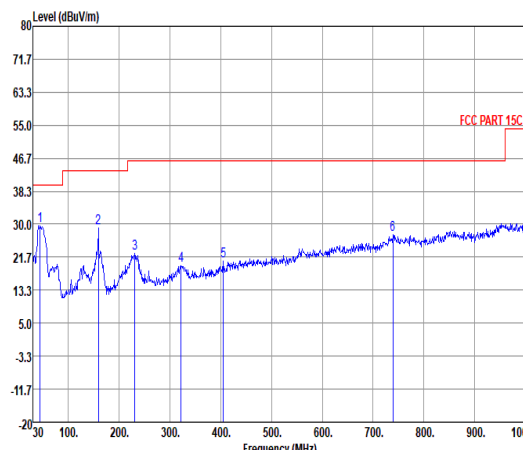
| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |             |        |        |     |     |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|-------------|--------|--------|-----|-----|---------|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |        |        |             |        |        |     |     |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
|      | 2400-2483.5_Bluetooth EDR_8-DPSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |             |        |        |     |     |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |             |        |        |     |     |         |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |        | 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>2493.39</td><td>55.34</td><td>74.00</td><td>-18.66</td><td>39.04</td><td>32.40</td><td>8.87</td><td>30.97</td><td>6.00</td><td>147</td><td>249</td><td>PEAK</td></tr><tr><td>2</td><td>2493.39</td><td>30.55</td><td>54.00</td><td>-23.45</td><td>14.25</td><td>32.40</td><td>8.87</td><td>30.97</td><td>6.00</td><td>147</td><td>249</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 | 2493.39 | 55.34 | 74.00 | -18.66 | 39.04 | 32.40 | 8.87 | 30.97 | 6.00 | 147 | 249 | PEAK | 2 | 2493.39 | 30.55 | 54.00 | -23.45 | 14.25 | 32.40 | 8.87 | 30.97 | 6.00 | 147 | 249 | 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    | 2493.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 55.34  | 74.00  | -18.66 | 39.04  | 32.40  | 8.87        | 30.97  | 6.00   | 147 | 249 | PEAK    |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
| 2    | 2493.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 30.55  | 54.00  | -23.45 | 14.25  | 32.40  | 8.87        | 30.97  | 6.00   | 147 | 249 | 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>98.69</td><td>-----</td><td>-----</td><td>82.38</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>147</td><td>249</td><td>PEAK</td></tr><tr><td>2</td><td>2480.00</td><td>73.90</td><td>-----</td><td>-----</td><td>57.59</td><td>32.40</td><td>8.88</td><td>30.97</td><td>6.00</td><td>147</td><td>249</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 | 98.69 | ----- | -----  | 82.38 | 32.40 | 8.88 | 30.97 | 6.00 | 147 | 249 | PEAK | 2 | 2480.00 | 73.90 | ----- | -----  | 57.59 | 32.40 | 8.88 | 30.97 | 6.00 | 147 | 249 | 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 98.69  | -----  | -----  | 82.38  | 32.40  | 8.88        | 30.97  | 6.00   | 147 | 249 | PEAK    |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 73.90  | -----  | -----  | 57.59  | 32.40  | 8.88        | 30.97  | 6.00   | 147 | 249 | AVERAGE |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |



| Mode        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |       |        |       |        |        |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------|--------|-------|--------|--------|----|-----|--|-------|------|-----|-------|--------|-----|------|------|--|--|------|-------|------|--------|-------|--------|------|--------|--------|----|-----|--|-----|--------|--------|----|------|------|----|----|----|--|---|----------|-------|-------|--------|-------|-------|-------|-------|------|----|---|----------|-------|-------|--------|-------|-------|-------|-------|------|----|
|             | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |       |        |       |        |        |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
|             | 2400-2483.5_Bluetooth EDR_8-DPSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |       |        |       |        |        |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| ANT         | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |        |        |        |       |        |       |        |        |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| Pol.        | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |       |        |       |        |        |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| Peak<br>Avg | <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></th></tr><tr><td>1</td><td>4960.00</td><td>39.86</td><td>74.00</td><td>-34.14</td><td>58.95</td><td>34.24</td><td>12.07</td><td>65.40</td><td>0.00</td><td>--</td></tr><tr><td>2</td><td>7440.00</td><td>42.75</td><td>74.00</td><td>-31.25</td><td>56.93</td><td>35.00</td><td>15.21</td><td>65.19</td><td>0.00</td><td>--</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 |  | 1 | 4960.00  | 39.86 | 74.00 | -34.14 | 58.95 | 34.24 | 12.07 | 65.40 | 0.00 | -- | 2 | 7440.00  | 42.75 | 74.00 | -31.25 | 56.93 | 35.00 | 15.21 | 65.19 | 0.00 | -- |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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     |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 1           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 39.86  | 74.00  | -34.14 | 58.95 | 34.24  | 12.07 | 65.40  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 2           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42.75  | 74.00  | -31.25 | 56.93 | 35.00  | 15.21 | 65.19  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| Peak<br>Avg | <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></th></tr><tr><td>1</td><td>4960.00</td><td>40.72</td><td>74.00</td><td>-33.28</td><td>59.81</td><td>34.24</td><td>12.07</td><td>65.40</td><td>0.00</td><td>--</td></tr><tr><td>2</td><td>7440.00</td><td>42.03</td><td>74.00</td><td>-31.97</td><td>56.21</td><td>35.00</td><td>15.21</td><td>65.19</td><td>0.00</td><td>--</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 |  | 1 | 4960.00  | 40.72 | 74.00 | -33.28 | 59.81 | 34.24 | 12.07 | 65.40 | 0.00 | -- | 2 | 7440.00  | 42.03 | 74.00 | -31.97 | 56.21 | 35.00 | 15.21 | 65.19 | 0.00 | -- |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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     |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 1           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 40.72  | 74.00  | -33.28 | 59.81 | 34.24  | 12.07 | 65.40  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 2           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42.03  | 74.00  | -31.97 | 56.21 | 35.00  | 15.21 | 65.19  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
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|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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     |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 1           | 18000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40.72  | 74.00  | -33.28 | 59.81 | 34.24  | 12.07 | 65.40  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 2           | 25000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 42.03  | 74.00  | -31.97 | 56.21 | 35.00  | 15.21 | 65.19  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
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|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 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     |    |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 1           | 18000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 40.72  | 74.00  | -33.28 | 59.81 | 34.24  | 12.07 | 65.40  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |
| 2           | 25000.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 42.03  | 74.00  | -31.97 | 56.21 | 35.00  | 15.21 | 65.19  | 0.00   | -- |     |  |       |      |     |       |        |     |      |      |  |  |      |       |      |        |       |        |      |        |        |    |     |  |     |        |        |    |      |      |    |    |    |  |   |          |       |       |        |       |       |       |       |      |    |   |          |       |       |        |       |       |       |       |      |    |

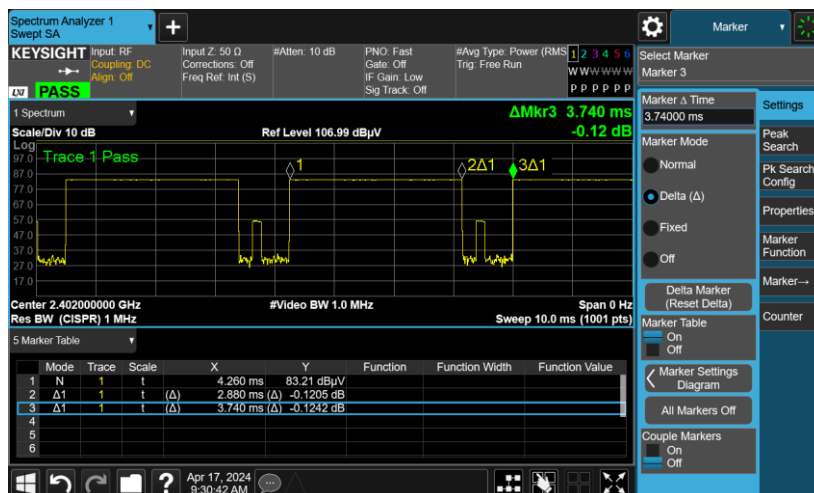
Note: Only the worst case has assessed 18G ~25GHz to test.



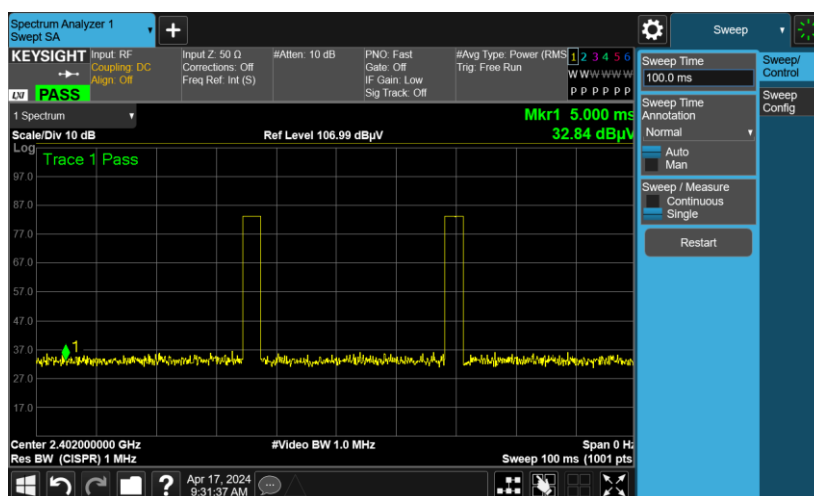
| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |             |       |          |       |       |        |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|-------------|-------|----------|-------|-------|--------|-----------------|--|-------------------------------------------------------------------------------------|------|-------|-------|------|-------------|-------|--------|-------|-------|--------|----------|--|-----|--------|--------|----|------|------|----|----|----|-----|--|---|-------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|--|--|--|------|-------|-------|------|-------------|-------|--------|-------|-------|--------|----------|--|-----|--------|--------|----|------|------|----|----|----|-----|--|---|-------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|---------------|---|--------|-------|-------|--------|-------|-------|------|-------|-----|-----|
|      | LF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |             |       |          |       |       |        |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|      | 2400-2483.5_Bluetooth EDR_8-DPSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |             |       |          |       |       |        |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| ANT  | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |             |       |          |       |       |        |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |        |        |        |             |       | Vertical |       |       |        |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| Peak |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |        |        |        |             |       |          |       |       |        |                 |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|      | <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</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><th></th></tr><tr><td>1</td><td>47.46</td><td>21.47</td><td>40.00</td><td>-18.53</td><td>37.17</td><td>15.76</td><td>0.74</td><td>32.20</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>2</td><td>159.01</td><td>26.77</td><td>43.50</td><td>-16.73</td><td>40.85</td><td>16.20</td><td>1.82</td><td>32.10</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>3</td><td>231.76</td><td>28.36</td><td>46.00</td><td>-17.64</td><td>42.00</td><td>16.22</td><td>2.22</td><td>32.16</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>4</td><td>333.61</td><td>20.62</td><td>46.00</td><td>-25.38</td><td>30.48</td><td>19.64</td><td>2.67</td><td>32.17</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>5</td><td>414.12</td><td>21.13</td><td>46.00</td><td>-24.87</td><td>28.39</td><td>22.04</td><td>2.97</td><td>32.27</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr><tr><td>6</td><td>568.35</td><td>24.29</td><td>46.00</td><td>-21.71</td><td>26.86</td><td>26.26</td><td>3.47</td><td>32.30</td><td>---</td><td>---</td><td>Peak HORIZONTAL</td></tr></table> |        |        |        |             |       |          |       |       |        |                 |  |                                                                                     | Freq | Level | Limit | Over | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Pol/Phas |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 47.46 | 21.47 | 40.00 | -18.53 | 37.17 | 15.76 | 0.74 | 32.20 | --- | --- | Peak HORIZONTAL | 2 | 159.01 | 26.77 | 43.50 | -16.73 | 40.85 | 16.20 | 1.82 | 32.10 | --- | --- | Peak HORIZONTAL | 3 | 231.76 | 28.36 | 46.00 | -17.64 | 42.00 | 16.22 | 2.22 | 32.16 | --- | --- | Peak HORIZONTAL | 4 | 333.61 | 20.62 | 46.00 | -25.38 | 30.48 | 19.64 | 2.67 | 32.17 | --- | --- | Peak HORIZONTAL | 5 | 414.12 | 21.13 | 46.00 | -24.87 | 28.39 | 22.04 | 2.97 | 32.27 | --- | --- | Peak HORIZONTAL | 6 | 568.35 | 24.29 | 46.00 | -21.71 | 26.86 | 26.26 | 3.47 | 32.30 | --- | --- | Peak HORIZONTAL | <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Over</th><th>ReadAntenna</th><th>Cable</th><th>Preamp</th><th>A/Pos</th><th>T/Pos</th><th>Remark</th><th>Pol/Phas</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><th></th></tr><tr><td>1</td><td>44.55</td><td>29.62</td><td>40.00</td><td>-10.38</td><td>44.31</td><td>16.79</td><td>0.70</td><td>32.18</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>2</td><td>159.01</td><td>28.90</td><td>43.50</td><td>-14.60</td><td>42.98</td><td>16.20</td><td>1.82</td><td>32.10</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>3</td><td>230.79</td><td>22.49</td><td>46.00</td><td>-23.51</td><td>36.33</td><td>16.11</td><td>2.21</td><td>32.16</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>4</td><td>321.97</td><td>19.69</td><td>46.00</td><td>-26.31</td><td>29.88</td><td>19.33</td><td>2.62</td><td>32.14</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>5</td><td>405.39</td><td>20.62</td><td>46.00</td><td>-25.38</td><td>28.24</td><td>21.73</td><td>2.94</td><td>32.29</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr><tr><td>6</td><td>739.07</td><td>27.24</td><td>46.00</td><td>-18.76</td><td>28.01</td><td>27.55</td><td>3.96</td><td>32.28</td><td>---</td><td>---</td><td>Peak VERTICAL</td></tr></table> |  |  |  |  |  |  |  |  |  |  |  |  | Freq | Level | Limit | Over | ReadAntenna | Cable | Preamp | A/Pos | T/Pos | Remark | Pol/Phas |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg |  | 1 | 44.55 | 29.62 | 40.00 | -10.38 | 44.31 | 16.79 | 0.70 | 32.18 | --- | --- | Peak VERTICAL | 2 | 159.01 | 28.90 | 43.50 | -14.60 | 42.98 | 16.20 | 1.82 | 32.10 | --- | --- | Peak VERTICAL | 3 | 230.79 | 22.49 | 46.00 | -23.51 | 36.33 | 16.11 | 2.21 | 32.16 | --- | --- | Peak VERTICAL | 4 | 321.97 | 19.69 | 46.00 | -26.31 | 29.88 | 19.33 | 2.62 | 32.14 | --- | --- | Peak VERTICAL | 5 | 405.39 | 20.62 | 46.00 | -25.38 | 28.24 | 21.73 | 2.94 | 32.29 | --- | --- | Peak VERTICAL | 6 | 739.07 | 27.24 | 46.00 | -18.76 | 28.01 | 27.55 | 3.96 | 32.28 | --- | --- |
|      | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Level  | Limit  | Over   | ReadAntenna | Cable | Preamp   | A/Pos | T/Pos | Remark | Pol/Phas        |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV        | dB/m  | dB       | dB    | cm    | deg    |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 1    | 47.46                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 21.47  | 40.00  | -18.53 | 37.17       | 15.76 | 0.74     | 32.20 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 2    | 159.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 26.77  | 43.50  | -16.73 | 40.85       | 16.20 | 1.82     | 32.10 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 3    | 231.76                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28.36  | 46.00  | -17.64 | 42.00       | 16.22 | 2.22     | 32.16 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 4    | 333.61                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20.62  | 46.00  | -25.38 | 30.48       | 19.64 | 2.67     | 32.17 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 5    | 414.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 21.13  | 46.00  | -24.87 | 28.39       | 22.04 | 2.97     | 32.27 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 6    | 568.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 24.29  | 46.00  | -21.71 | 26.86       | 26.26 | 3.47     | 32.30 | ---   | ---    | Peak HORIZONTAL |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|      | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Level  | Limit  | Over   | ReadAntenna | Cable | Preamp   | A/Pos | T/Pos | Remark | Pol/Phas        |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | dBuV/m | dBuV/m | dB     | dBuV        | dB/m  | dB       | dB    | cm    | deg    |                 |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 1    | 44.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 29.62  | 40.00  | -10.38 | 44.31       | 16.79 | 0.70     | 32.18 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 2    | 159.01                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28.90  | 43.50  | -14.60 | 42.98       | 16.20 | 1.82     | 32.10 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 3    | 230.79                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 22.49  | 46.00  | -23.51 | 36.33       | 16.11 | 2.21     | 32.16 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 4    | 321.97                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 19.69  | 46.00  | -26.31 | 29.88       | 19.33 | 2.62     | 32.14 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 5    | 405.39                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20.62  | 46.00  | -25.38 | 28.24       | 21.73 | 2.94     | 32.29 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |
| 6    | 739.07                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27.24  | 46.00  | -18.76 | 28.01       | 27.55 | 3.96     | 32.28 | ---   | ---    | Peak VERTICAL   |  |                                                                                     |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |   |        |       |       |        |       |       |      |       |     |     |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |  |  |  |  |  |  |  |  |  |      |       |       |      |             |       |        |       |       |        |          |  |     |        |        |    |      |      |    |    |    |     |  |   |       |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |               |   |        |       |       |        |       |       |      |       |     |     |

## Appendix C. Duty Cycle Plots

### 3DH5 on time (One Pulse) Plot on Channel 00



### 3DH5 on time (Count Pulses) Plot on Channel 00



#### 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. 3DH5 has the highest duty cycle worst case and is reported.