



# FCC RADIO TEST REPORT

**FCC ID** : SZGGNN2Z  
**Equipment** : Wireless Device  
**Model Name** : GNN2Z  
**Applicant** : Weifang Goertek Electronics Co., Ltd  
Gaoxin 2 Road, Free Trade Zone, Weifang,  
Shandong, 261205, P.R.China  
**Standard** : FCC Part 15 Subpart C §15.247

The product was received on Dec. 09, 2024 and testing was performed from Dec. 20, 2024 to May 13, 2025. We, Sporton International Inc. Wensan Laboratory, 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 from Sporton International Inc. Wensan Laboratory, the test report shall not be reproduced except in full.

Approved by: Louis Wu

**Sporton International Inc. Wensan Laboratory**

No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)



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## History of this test report

| Report No. | Version | Description   | Issue Date    |
|------------|---------|---|---------------|
| FR4N2022B  | 01      | Initial issue of report   | Mar. 03, 2025 |
| FR4N2022B  | 02      | Revise appendix A and C<br>This report is an updated version, replacing the report issued on Mar. 03, 2025. | May 08, 2025  |
| FR4N2022B  | 03      | Revise appendix A<br>This report is an updated version, replacing the report issued on Mar. 08, 2025.       | May 14, 2025  |
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## Summary of Test Result

| Report Clause | Ref Std. Clause              | Test Items   | Result (PASS/FAIL) | Remark |
|---------------|------------------------------|--|--------------------|--------|
| 3.1           | 15.247(a)(1)                 | Number of Channels                                 | Pass               | -      |
| 3.2           | 15.247(a)(1)                 | Hopping Channel Separation                         | Pass               | -      |
| 3.3           | 15.247(a)(1)                 | Dwell Time of Each Channel                         | Pass               | -      |
| 3.4           | 15.247(a)(1)                 | 20dB Bandwidth                                     | Pass               | -      |
| 3.4           | 2.1049                       | 99% Occupied Bandwidth                             | Pass               | -      |
| 3.5           | 15.247(b)(1)<br>15.247(b)(4) | Peak Output Power                                  | Pass               | -      |
| 3.6           | 15.247(d)                    | Conducted Band Edges                               | Pass               | -      |
| 3.7           | 15.247(d)                    | Conducted Spurious Emission                        | Pass               | -      |
| 3.8           | 15.247(d)                    | Radiated Band Edges and Radiated Spurious Emission | Pass               | -      |
| 3.9           | 15.207                       | AC Conducted Emission                              | Pass               | -      |
| 3.10          | 15.203                       | Antenna Requirement                                | Pass               | -      |

**Remark:** Except Conducted and Radiated Band Edges and Radiated Spurious Emission are carrying out, The FR4N2022B report reuses test data from the FR4N2548B report.

### 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.

**Reviewed by: Dukou Chen**  
**Report Producer: Lucy Wu**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature  |
|--|
| <b>General Specs</b><br>Bluetooth-LE, BLE ASK and BLE GFSK.            |
| <b>Antenna Type</b><br>Bluetooth-LE, BLE ASK and BLE GFSK: PCB Antenna |

| EUT Information List             |                            |
|----------------------------------|----------------------------|
| S/N                              | Performed Test Item        |
| S907080                          | RF Conducted Measurement   |
| 4A23C7560                        | Radiated Spurious Emission |
| 4A31LZACOL6416<br>4A31LZACOR6448 | Conducted Emission         |

| Antenna information   |                 |     |
|-----------------------|-----------------|-----|
| 2400 MHz ~ 2483.5 MHz | Peak Gain (dBi) | 0.2 |

**Remark:** The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.

## 1.2 Modification of EUT

No modifications made to the EUT during the testing.

### 1.3 Testing Location

|                    |  |
|--------------------|--|
| Test Site          | Sporton International Inc. Wensan Laboratory   |
| Test Site Location | No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist.,<br>Taoyuan City 333010, Taiwan (R.O.C.)<br>TEL: +886-3-327-0868<br>FAX: +886-3-327-0855 |
| Test Site No.      | <b>Sporton Site No.</b>  |
|                    | TH05-HY, CO07-HY, 03CH20-HY  |

**Note:** The test site complies with ANSI C63.4 2014 requirement.

FCC designation No.: TW3786

### 1.4 Applicable Standards

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

- ♦ FCC Part 15 Subpart C §15.247
- ♦ FCC KDB Publication No. 558074 D01 15.247 Meas Guidance v05r02
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01
- ♦ ANSI C63.10-2013

**Remark:**

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

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

## 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, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape), and adjusting the measurement antenna orientation, following C63.10 exploratory test procedures and only the worst case emissions were reported in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

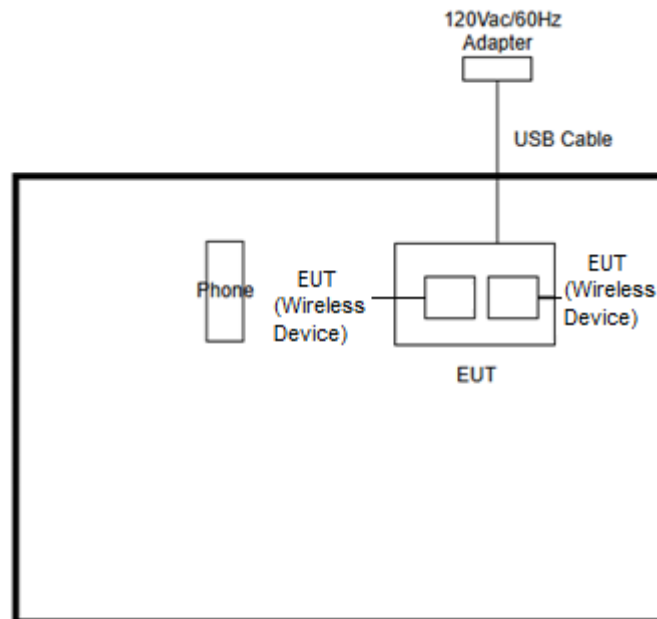
The following summary table is showing all test modes to demonstrate in compliance with the standard.

| Summary table of Test Cases   |  |
|---|--|
| Test Item   | Data Rate / Modulation   |
| Conducted Test Cases  | Bluetooth LE 1Mbps<br>ASK  |
|   | Mode 1: CH02_2404 MHz  |
|   | Mode 2: CH38_2440 MHz  |
|   | Mode 3: CH76_2478 MHz  |
| AC Conducted Emission   | Mode 1 : Bluetooth Link + MP3 + Battery + Wireless Device + USB Cable<br>(Charging from Adapter) |
| <b>Remark:</b> <ol style="list-style-type: none"> <li>For radiation spurious emission, the modulation and the data rate picked for testing are determined by the Max. RF conducted power.</li> <li>The detailed Radiated test modes are shown in Appendix C.</li> </ol> |  |

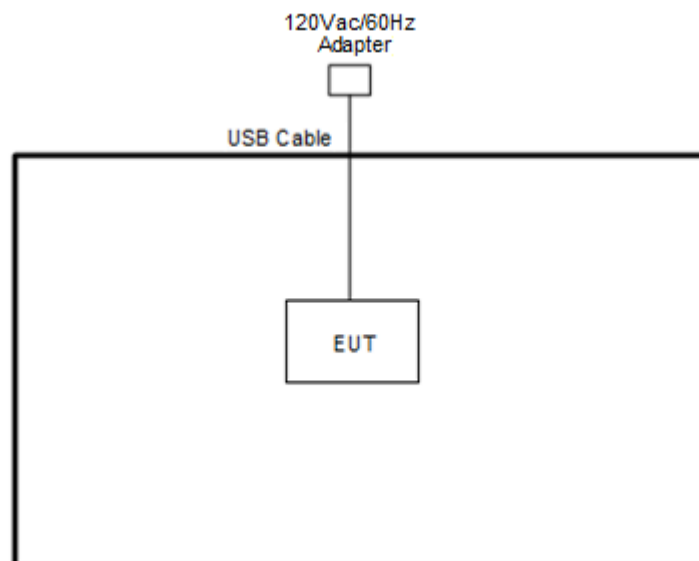


## 2.3 Connection Diagram of Test System

### <AC Conducted Emission Mode>



### <Bluetooth-LE ASK Tx Mode>



## 2.4 Support Unit used in test configuration and system

| Item | Equipment | Brand Name | Model Name | FCC ID | Data Cable | Power Cord |
|------|-----------|------------|------------|--------|------------|------------|
| 1.   | Phone     | N/A        | N/A        | N/A    | N/A        | N/A        |
| 2.   | Adapter   | N/A        | N/A        | N/A    | N/A        | N/A        |
| 3.   | USB Cable | N/A        | N/A        | N/A    | N/A        | N/A        |

## 2.5 EUT Operation Test Setup

The RF test items, utility “BDT v.5.7.4” was installed in Notebook which was programmed in order to make the EUT get into the engineering modes to provide channel selection, power level, data rate and the application type and for continuous transmitting signals.

## 2.6 Measurement Results Explanation Example

**For all conducted test items:**

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

Example:

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

*Offset = RF cable loss + attenuator factor.*

Following shows an offset computation example with cable loss 4.2 dB and 10 dB attenuator.

$$\begin{aligned}\text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)} \\ &= 4.2 + 10 = 14.2 \text{ (dB)}\end{aligned}$$

### 3 Test Result

#### 3.1 Number of Channel Measurement

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

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

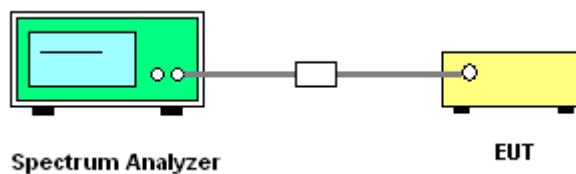
##### 3.1.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

##### 3.1.3 Test Procedure

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

##### 3.1.4 Test Setup



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

Please refer to Appendix A.

## 3.2 Hopping Channel Separation Measurement

### 3.2.1 Limit of Hopping Channel Separation

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

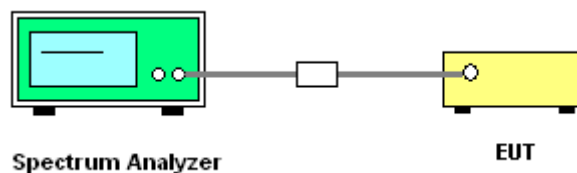
### 3.2.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.2.3 Test Procedures

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

### 3.2.4 Test Setup



### 3.2.5 Test Result of Hopping Channel Separation

Please refer to Appendix A.

### 3.3 Dwell Time Measurement

#### 3.3.1 Limit of Dwell Time

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

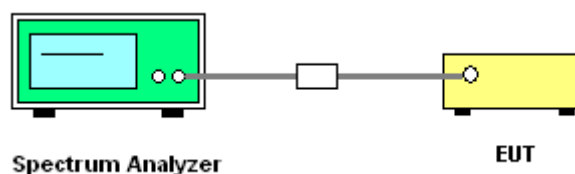
#### 3.3.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.3.3 Test Procedures

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

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Dwell Time

Please refer to Appendix A.

### 3.4 20dB and 99% Bandwidth Measurement

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

Reporting only

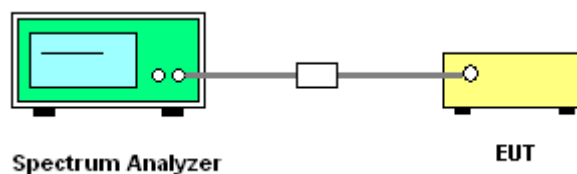
#### 3.4.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.4.3 Test Procedures

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

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of 20dB Bandwidth

Please refer to Appendix A.

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

Please refer to Appendix A.

## 3.5 Output Power Measurement

### 3.5.1 Limit of Output Power

The maximum peak conducted output power of the intentional radiator shall not exceed the following:  
For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band 0.125 watts.  
If directional gain of transmitting antennas is greater than 6 dBi, the power shall be reduced by the same level in dB comparing to gain minus 6 dBi.

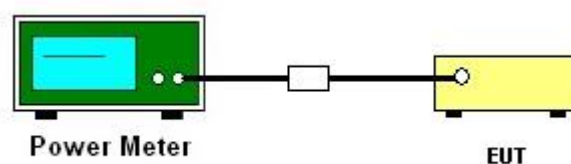
### 3.5.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

### 3.5.3 Test Procedures

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

### 3.5.4 Test Setup



### 3.5.5 Test Result of Peak Output Power

Please refer to Appendix A.

### 3.5.6 Test Result of Average Output Power (Reporting Only)

Please refer to Appendix A.

## **3.6 Conducted Band Edges Measurement**

### **3.6.1 Limit of Band Edges**

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

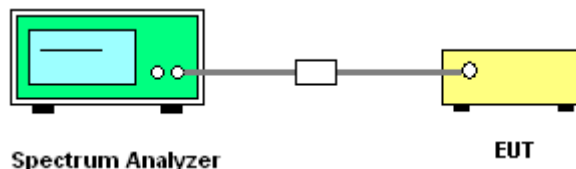
### **3.6.2 Measuring Instruments**

Please refer to the measuring equipment list in this test report.

### **3.6.3 Test Procedures**

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

### **3.6.4 Test Setup**



### **3.6.5 Test Result of Conducted Band Edges**

Please refer to Appendix A.

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

Please refer to Appendix A.



## **3.7 Conducted Spurious Emission Measurement**

### **3.7.1 Limit of Spurious Emission Measurement**

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

### **3.7.2 Measuring Instruments**

Please refer to the measuring equipment list in this test report.

### **3.7.3 Test Procedure**

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

### **3.7.4 Test Setup**



### **3.7.5 Test Result of Conducted Spurious Emission**

Please refer to Appendix A.

### 3.8 Radiated Band Edges and Spurious Emission Measurement

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

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

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

#### 3.8.2 Measuring Instruments

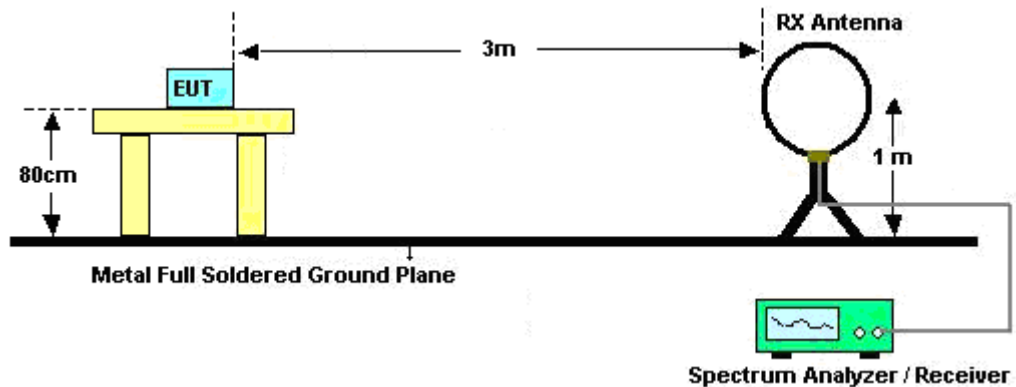
Please refer to the measuring equipment list in this test report.

### 3.8.3 Test Procedures

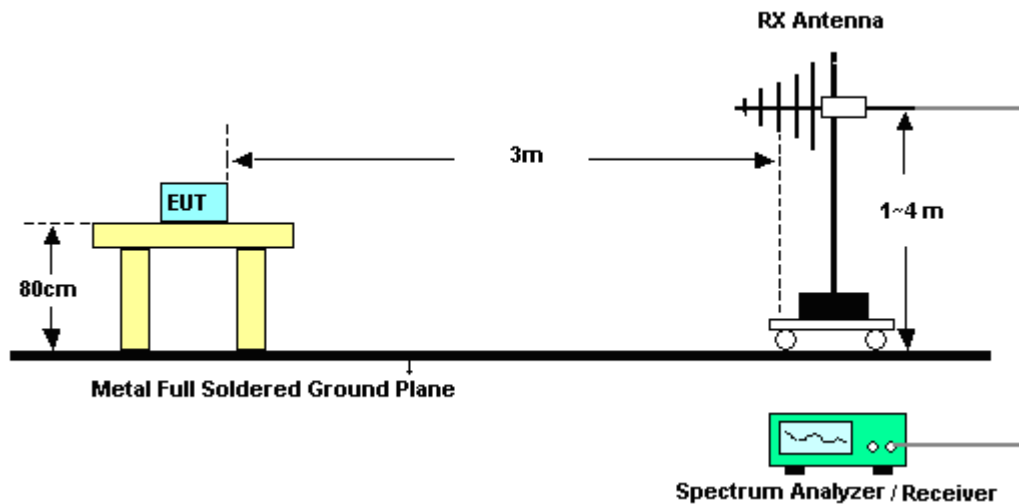
1. The EUT is placed on a turntable with 0.8 meter for frequency below 1 GHz and 1.5 meter for frequency above 1 GHz respectively above ground.
2. The EUT is set 3 meters away from the receiving antenna, which is mounted on the top of a variable height antenna tower.
3. For each suspected emission, the EUT is 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 the maximum power setting and enable the EUT to 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 = 1 MHz for  $f > 1$  GHz ; VBW  $\geq$  RBW; Sweep = auto; Detector function = peak; Trace = max hold for peak
  - (3) For average measurement: Set RBW = 100 kHz for  $f < 1$  GHz, RBW = 1 MHz for  $f > 1$  GHz ; VBW  $\geq$  10Hz; Sweep = auto; Detector function = peak; Trace = max hold for average
6. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level
7. Radiated testing below 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading. When there is no suspected emission found and the emission level is with at least 6 dB margin against QP limit line, the position is marked as “-”.
8. Radiated testing above 1 GHz is performed by adjusting the antenna tower from 1 m to 4 m and by rotating the turn table from 0 degree to 360 degrees to find the peak maximum hold reading for scanning all frequencies. When there is no suspected emission found and the harmonic emission level is with at least 6 dB margin against average limit line, the position is marked as “-”.

### 3.8.4 Test Setup

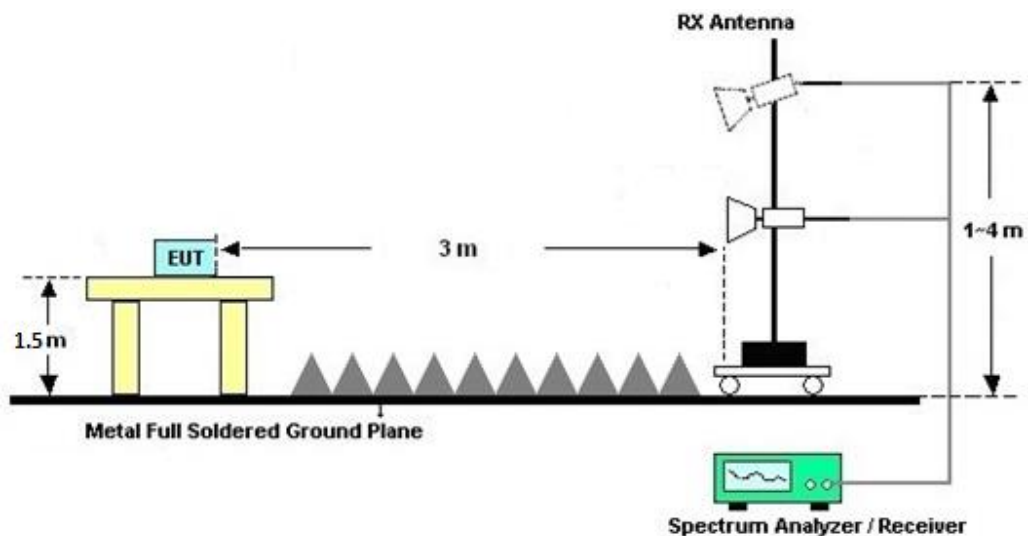
For radiated test below 30MHz



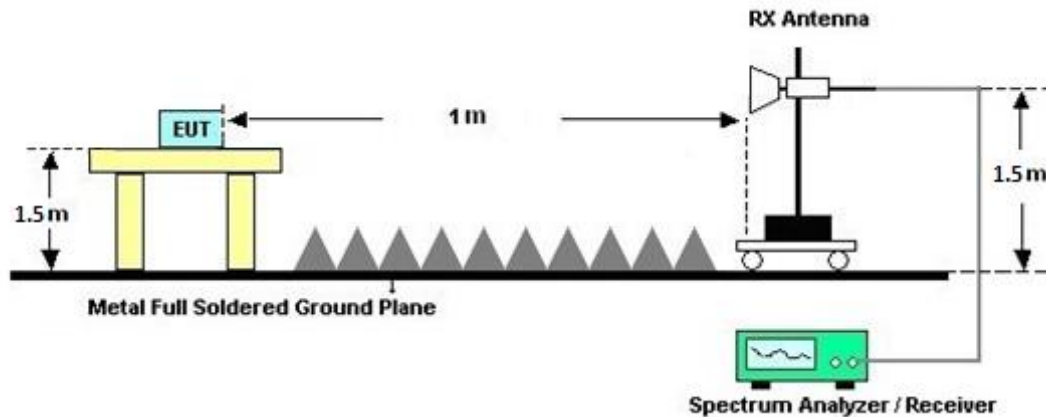
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



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

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

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result comes out very similar.

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

Please refer to Appendix C.

### 3.8.7 Duty Cycle

Please refer to Appendix D.

### 3.8.8 Test Result of Radiated Spurious Emission (30MHz ~ 10<sup>th</sup> Harmonic)

Please refer to Appendix C.

### 3.9 AC Conducted Emission Measurement

#### 3.9.1 Limit of AC Conducted Emission

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

| Frequency of emission (MHz) | Conducted limit (dB $\mu$ V) |           |
|-----------------------------|------------------------------|-----------|
|                             | Quasi-peak                   | Average   |
| 0.15-0.5                    | 66 to 56*                    | 56 to 46* |
| 0.5-5                       | 56                           | 46        |
| 5-30                        | 60                           | 50        |

\*Decreases with the logarithm of the frequency.

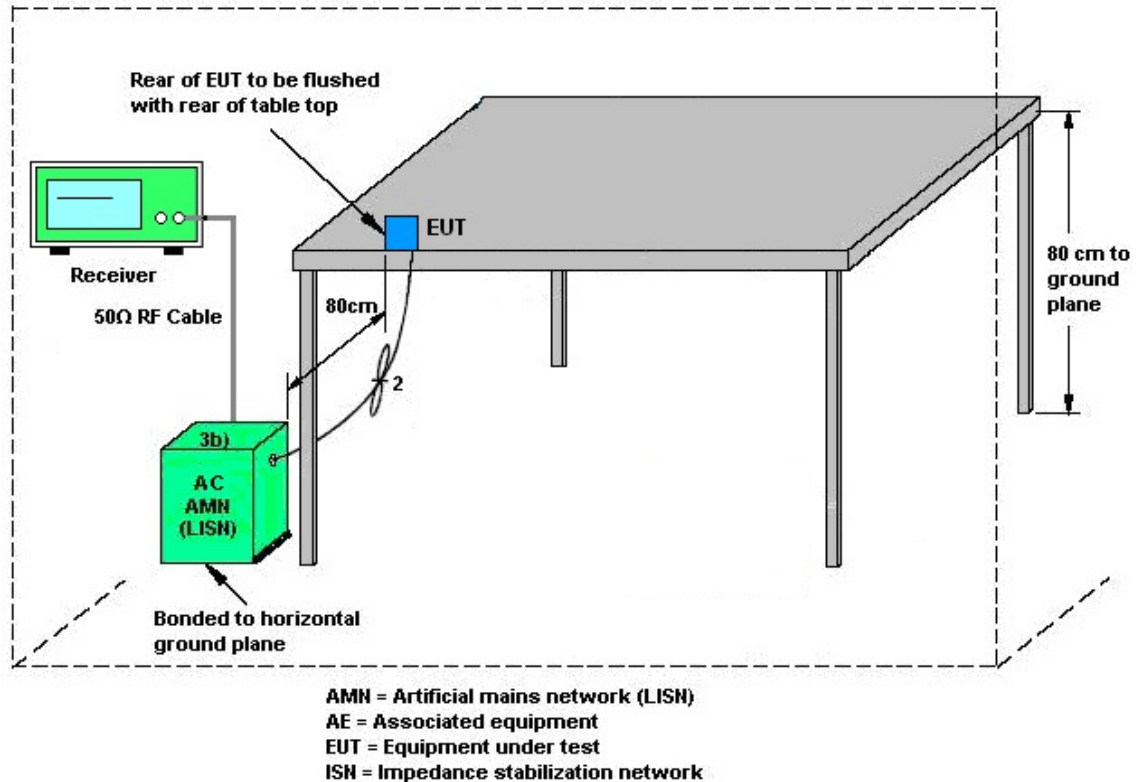
#### 3.9.2 Measuring Instruments

Please refer to the measuring equipment list in this test report.

#### 3.9.3 Test Procedures

1. The EUT is placed 0.4 meter away from the conducting wall of the shielding room, and is 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 shall be used.
6. Both Line and Neutral shall be tested in order to find out the maximum conducted emission.
7. The frequency range from 150 kHz to 30 MHz is scanned.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9 kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

### 3.9.4 Test Setup



### 3.9.5 Test Result of AC Conducted Emission

Please refer to Appendix B.



### **3.10 Antenna Requirements**

#### **3.10.1 Standard Applicable**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of § 15.211, 15.213, 15.217, 15.219, 15.221, or § 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with § 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

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

Antenna permanently attached.





## 4 List of Measuring Equipment

| Instrument               | Brand Name      | Model No.                           | Serial No.                     | Characteristics                  | Calibration Date | Test Date                       | Due Date      | Remark                   |
|--------------------------|-----------------|-------------------------------------|--------------------------------|----------------------------------|------------------|---------------------------------|---------------|--------------------------|
| EMI Test Receiver        | Keysight        | N9038A(MXE)                         | MY54130085                     | N/A                              | Oct. 16, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Oct. 15, 2025 | Radiation<br>(03CH20-HY) |
| Loop Antenna             | Rohde & Schwarz | HFH2-Z2                             | 100488                         | 9 kHz~30 MHz                     | Aug. 29, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Aug. 28, 2025 | Radiation<br>(03CH20-HY) |
| Preamplifier             | EMEC            | EM18G40G                            | 060715                         | 18GHz~40GHz                      | Dec. 02, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Dec. 01, 2025 | Radiation<br>(03CH20-HY) |
| Controller               | ChainTek        | 3000-1                              | N/A                            | Control Turn<br>table & Ant Mast | N/A              | Jan. 17, 2025~<br>Jan. 25, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Antenna Mast             | ChainTek        | MBS-520-1                           | N/A                            | 1m~4m                            | N/A              | Jan. 17, 2025~<br>Jan. 25, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Turn Table               | ChainTek        | T-200-S-1                           | N/A                            | 0~360 Degree                     | N/A              | Jan. 17, 2025~<br>Jan. 25, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Signal Analyzer          | Keysight        | N9010B                              | MY60240520                     | N/A                              | Dec. 09, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Dec. 08, 2025 | Radiation<br>(03CH20-HY) |
| Bilog Antenna            | TESEQ           | CBL<br>6111D&00802<br>N1D01N-06     | 55606 & 08                     | 30MHz~1GHz                       | Nov. 27, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Nov. 26, 2025 | Radiation<br>(03CH20-HY) |
| Horn Antenna             | SCHWARZBECK     | BBHA 9120 D                         | 02360                          | 1GHz-18GHz                       | Nov. 01, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Oct. 31, 2025 | Radiation<br>(03CH20-HY) |
| SHF-EHF Horn Antenna     | SCHWARZBECK     | BBHA 9170                           | 1224                           | 18GHz-40GHz                      | Jun. 24, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Jun. 23, 2025 | Radiation<br>(03CH20-HY) |
| Preamplifier             | COM-POWER       | PAM-103                             | 18020201                       | 1MHz-1000MHz                     | Dec. 31, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Dec. 30, 2025 | Radiation<br>(03CH20-HY) |
| Amplifier                | EMCI            | EMC118A45SE                         | 980792                         | N/A                              | Nov. 12, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Nov. 11, 2025 | Radiation<br>(03CH20-HY) |
| RF Cable                 | HUBER + SUHNER  | SUCOFLEX<br>102                     | 519229/2,8040<br>15/2,804027/2 | N/A                              | Jan. 16, 2025    | Jan. 17, 2025~<br>Jan. 25, 2025 | Jan. 15, 2026 | Radiation<br>(03CH20-HY) |
| Hygrometer               | TECPEL          | DTM-303A                            | TP211382                       | N/A                              | Mar. 27, 2024    | Jan. 17, 2025~<br>Jan. 25, 2025 | Mar. 26, 2025 | Radiation<br>(03CH20-HY) |
| Software                 | Audix           | N/A                                 | RK-002156                      | N/A                              | N/A              | Jan. 17, 2025~<br>Jan. 25, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Hygrometer               | TECPEL          | DTM-303A                            | TP201996                       | N/A                              | Nov. 01, 2024    | Dec. 20, 2024~<br>May 13, 2025  | Oct. 31, 2025 | Conducted<br>(TH05-HY)   |
| Power Meter              | Anritsu         | ML2495A                             | 1036004                        | N/A                              | Jul. 04, 2024    | Dec. 20, 2024~<br>May 13, 2025  | Jul. 03, 2025 | Conducted<br>(TH05-HY)   |
| Power Sensor             | Anritsu         | MA2411B                             | 1027253                        | 300MHz~40GHz                     | Jul. 04, 2024    | Dec. 20, 2024~<br>May 13, 2025  | Jul. 03, 2025 | Conducted<br>(TH05-HY)   |
| Signal Analyzer          | Rohde & Schwarz | FSV40                               | 101566                         | 10Hz~40GHz                       | Aug. 23, 2024    | Dec. 20, 2024~<br>May 13, 2025  | Aug. 22, 2025 | Conducted<br>(TH05-HY)   |
| Switch Control Mainframe | Burgeon         | ETF-058                             | EC1300484<br>(BOX3)            | N/A                              | May 20, 2024     | Dec. 20, 2024~<br>May 13, 2025  | May 19, 2025  | Conducted<br>(TH05-HY)   |
| Software                 | Sporton         | BTWIFI_Final_<br>version_24121<br>1 | N/A                            | Conducted Other<br>Test Item     | N/A              | Dec. 20, 2024~<br>May 13, 2025  | N/A           | Conducted<br>(TH05-HY)   |
| AC Power Source          | ACPOWER         | AFC-11003G                          | F317040033                     | N/A                              | N/A              | Jan. 09, 2025                   | N/A           | Conduction<br>(CO07-HY)  |
| Software                 | Rohde & Schwarz | EMC32 V10.30                        | N/A                            | N/A                              | N/A              | Jan. 09, 2025                   | N/A           | Conduction<br>(CO07-HY)  |
| Pulse Limiter            | SCHWARZBECK     | VTSD 9561-F<br>N                    | 9561-F<br>N00373               | 9kHz-200MHz                      | Oct. 23, 2024    | Jan. 09, 2025                   | Oct. 22, 2025 | Conduction<br>(CO07-HY)  |
| RF Cable                 | HUBER + SUHNER  | RG 214/U                            | 1358175                        | 9kHz~30MHz                       | Mar. 14, 2024    | Jan. 09, 2025                   | Mar. 13, 2025 | Conduction<br>(CO07-HY)  |
| Two-Line V-Network       | TESEQ           | NNB 51                              | 45051                          | N/A                              | Mar. 10, 2024    | Jan. 09, 2025                   | Mar. 09, 2025 | Conduction<br>(CO07-HY)  |
| EMI Test Receiver        | Rohde & Schwarz | ESR3                                | 102317                         | 9kHz~3.6GHz                      | Sep. 23, 2024    | Jan. 09, 2025                   | Sep. 22, 2025 | Conduction<br>(CO07-HY)  |

## 5 Measurement Uncertainty

### Uncertainty of Conducted Emission Measurement (150 kHz ~ 30 MHz)

|   |        |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 3.7 dB |
|---|--------|

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

|   |        |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 6.7 dB |
|---|--------|

### Uncertainty of Radiated Emission Measurement (1000 MHz ~ 6000 MHz)

|   |        |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.4 dB |
|---|--------|

### Uncertainty of Radiated Emission Measurement (6000 MHz ~ 18000 MHz)

|   |        |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.6 dB |
|---|--------|

### Uncertainty of Radiated Emission Measurement (18000 MHz ~ 40000 MHz)

|   |        |
|---|--------|
| Measuring Uncertainty for a Level of Confidence of 95% ( $U = 2Uc(y)$ ) | 5.7 dB |
|---|--------|

Appendix A. Test Result of Conducted Test Items

|                |                       |                    |       |    |
|----------------|-----------------------|--------------------|-------|----|
| Test Engineer: | Mina Liu              | Temperature:       | 21~25 | °C |
| Test Date:     | 2024/12/20~2025/01/08 | Relative Humidity: | 51~54 | %  |

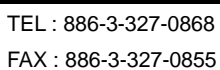
| TEST RESULTS DATA  |           |     |     |             |               |                     |  |  |           |
|--|-----------|-----|-----|-------------|---------------|---------------------|--|--|-----------|
| 20dB and 99% Occupied Bandwidth and Hopping Channel Separation |           |     |     |             |               |                     |  |  |           |
| Mod.   | Data Rate | NTX | CH. | Freq. (MHz) | 20db BW (MHz) | 99% Bandwidth (MHz) | Hopping Channel Separation Measurement (MHz) | Hopping Channel Separation Measurement Limit (MHz) | Pass/Fail |
| ASK  | 1Mbps     | 1   | 02  | 2404        | 0.027         | 0.023               | 0.999  | 0.0250   | Pass      |
| ASK  | 1Mbps     | 1   | 38  | 2440        | 0.026         | 0.023               | 0.994  | 0.0250   | Pass      |
| ASK  | 1Mbps     | 1   | 76  | 2478        | 0.027         | 0.024               | 1.003  | 0.0250   | Pass      |

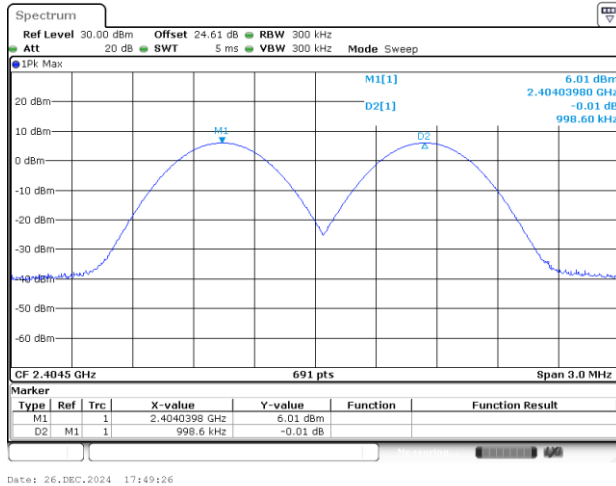
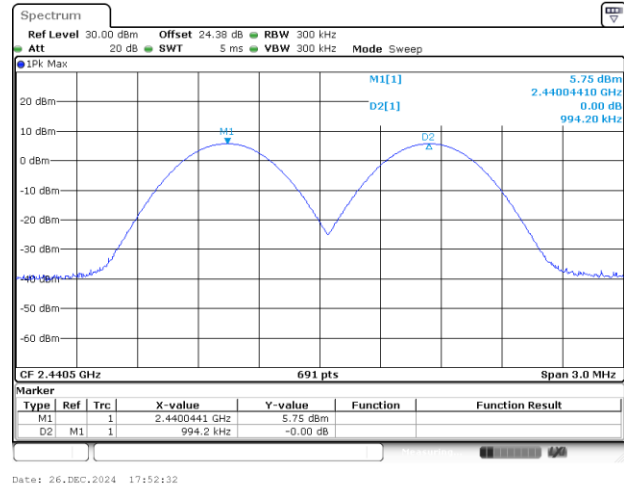
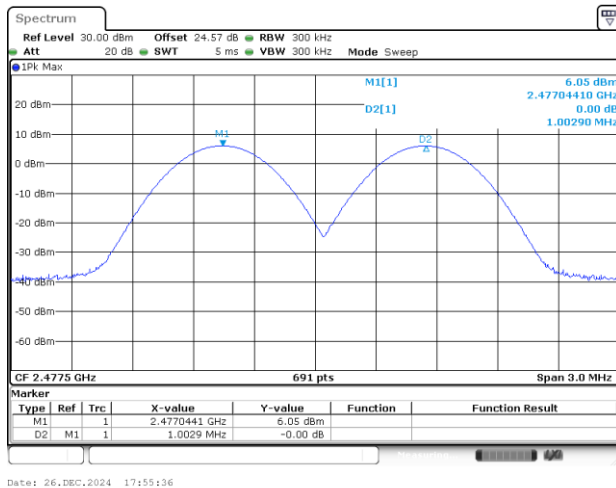
| TEST RESULTS DATA |                             |                                 |                              |                  |              |           |
|-------------------|-----------------------------|---------------------------------|------------------------------|------------------|--------------|-----------|
| Dwell Time        |                             |                                 |                              |                  |              |           |
| Mod.              | Hopping Channel Number Rate | Hops Over Occupancy Time (hops) | Package Transfer Time (msec) | Dwell Time (sec) | Limits (sec) | Pass/Fail |
| ASK               | 72                          | 427.000                         | 0.25                         | 0.11             | 0.4          | Pass      |

| TEST RESULTS DATA |     |     |                  |                   |             |
|-------------------|-----|-----|------------------|-------------------|-------------|
| Peak Power Table  |     |     |                  |                   |             |
| DH                | CH. | NTX | Peak Power (dBm) | Power Limit (dBm) | Test Result |
| ASK 1M            | 02  | 1   | 7.63             | 20.97             | Pass        |
|                   | 38  | 1   | 7.72             | 20.97             | Pass        |
|                   | 76  | 1   | 7.73             | 20.97             | Pass        |

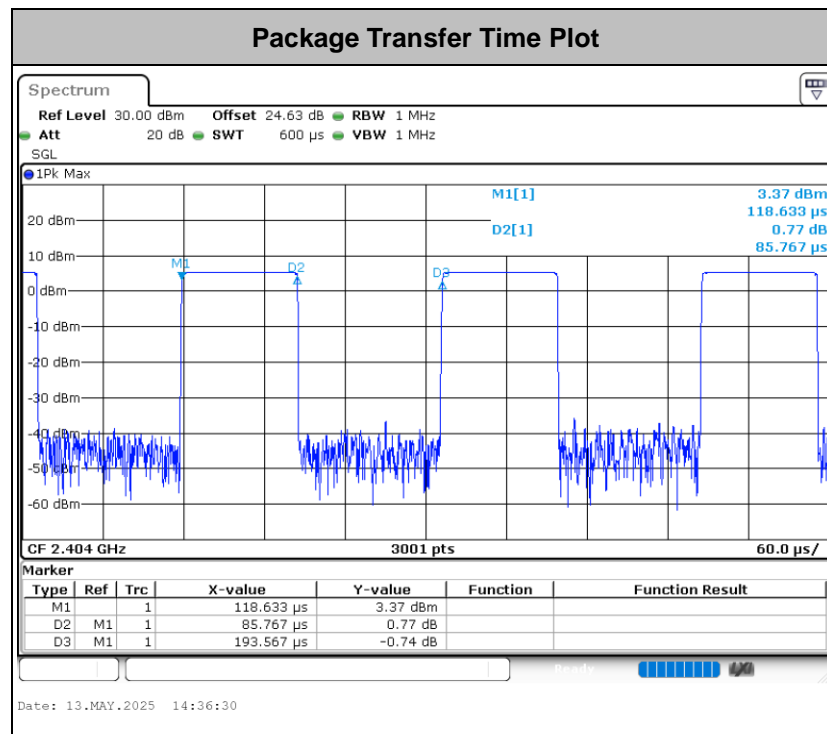
| TEST RESULTS DATA   |     |     |                     |                  |
|---------------------|-----|-----|---------------------|------------------|
| Average Power Table |     |     |                     |                  |
| (Reporting Only)    |     |     |                     |                  |
| DH                  | CH. | NTX | Average Power (dBm) | Duty Factor (dB) |
| ASK 1M              | 02  | 1   | 6.29                | 0.00             |
|                     | 38  | 1   | 6.52                | 0.00             |
|                     | 76  | 1   | 6.45                | 0.00             |

| TEST RESULTS DATA           |                                      |                  |           |
|-----------------------------|--------------------------------------|------------------|-----------|
| Number of Hopping Frequency |                                      |                  |           |
| Number of Hopping (Channel) | Adaptive Frequency Hopping (Channel) | Limits (Channel) | Pass/Fail |
| 72                          | 20                                   | > 15             | Pass      |



**Hopping Channel Separation****Channel Separation Plot on Channel 02 - 03****Channel Separation Plot on Channel 38 - 39****Channel Separation Plot on Channel 75 - 76**

## Dwell Time



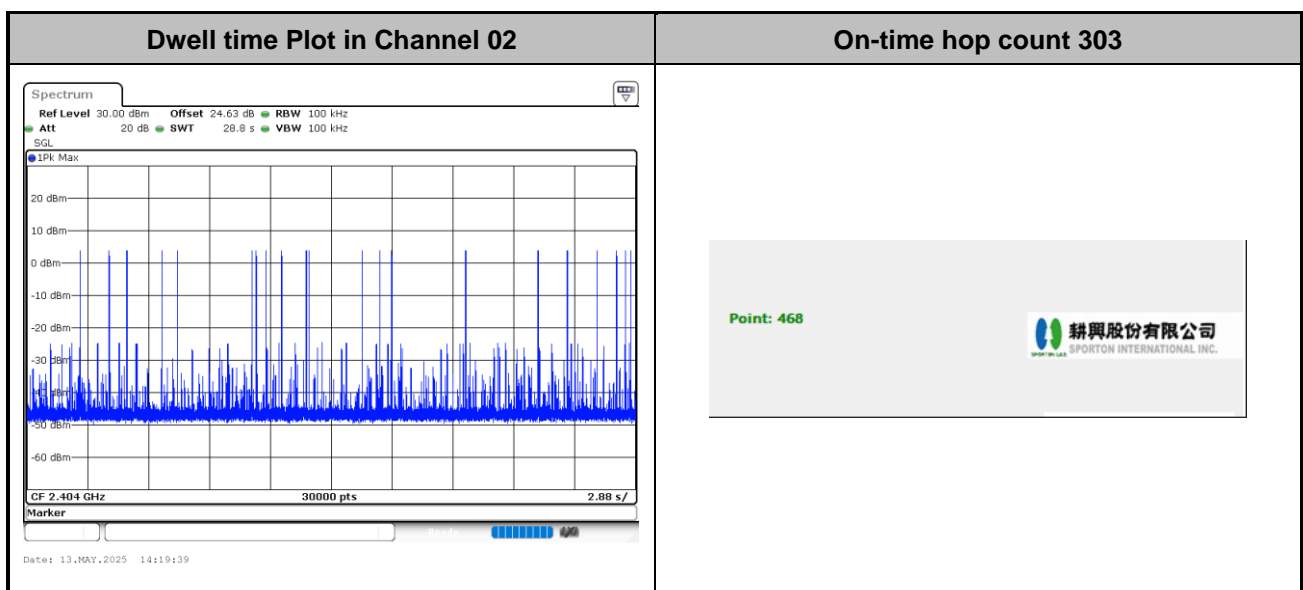
### Remark:

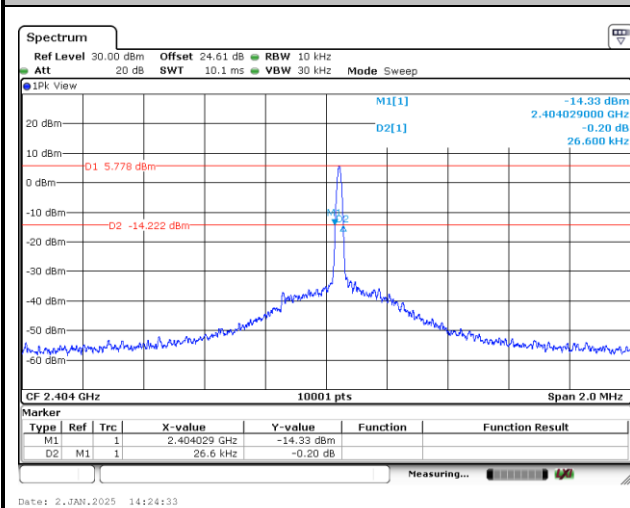
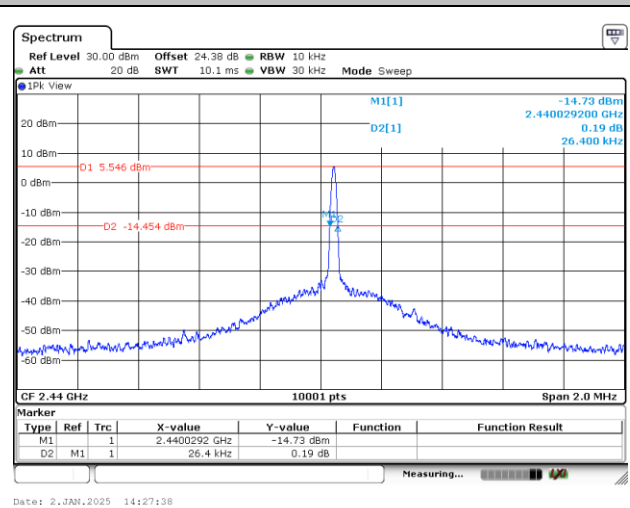
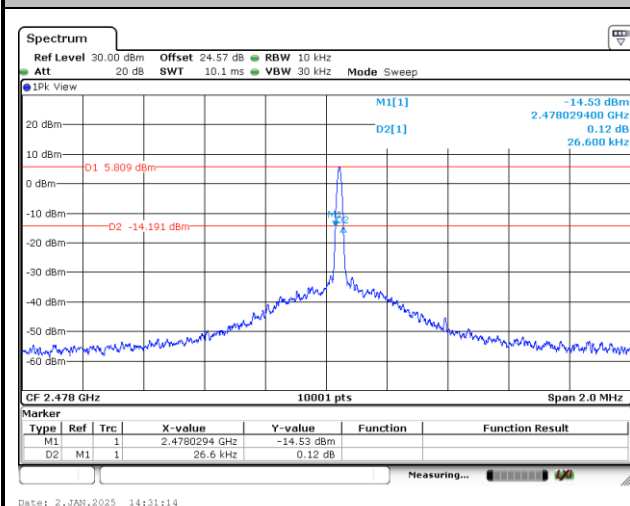
1. Dwell Time(s) = Hops Over Occupancy Time (hops) x Package Transfer Time

$$= 468 \times 0.086 \text{ ms} = 0.037 \text{ sec}$$

2. The observation Occupancy time is hopping channel 72 channels x 400ms = 28.8sec using sweep point 30,000. This shows that 1ms per on-time contains 1 hop.

The total hops is finally counted via computer analysis.

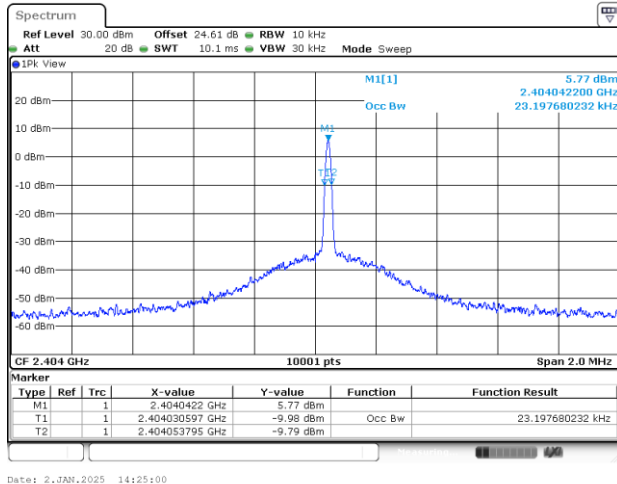


**20dB Bandwidth****20 dB Bandwidth Plot in Channel 02****20 dB Bandwidth Plot in Channel 38****20 dB Bandwidth Plot in Channel 76**

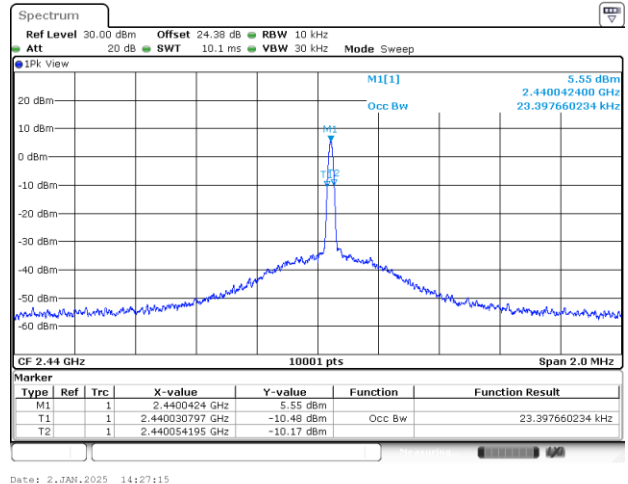


99% Occupied Bandwidth

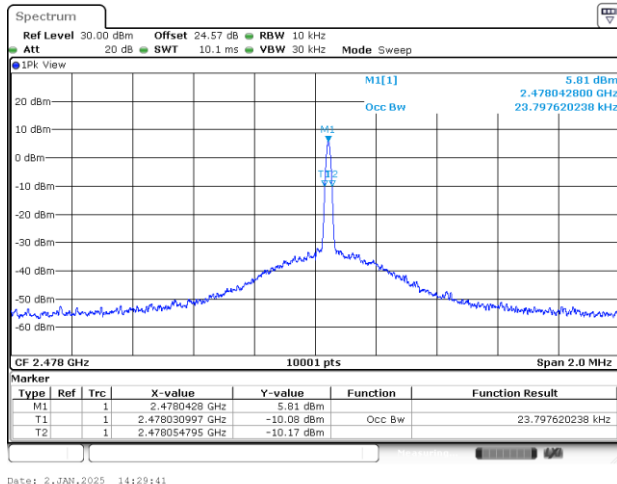
99% Occupied Bandwidth on Channel 02



99% Occupied Bandwidth on Channel 38



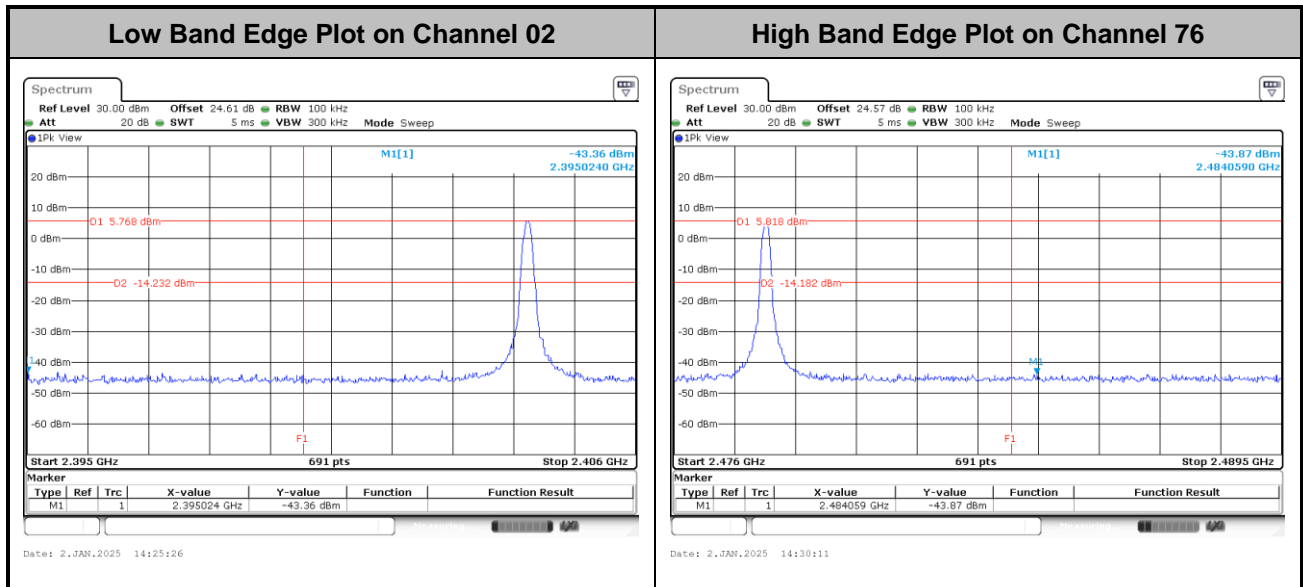
99% Occupied Bandwidth on Channel 76





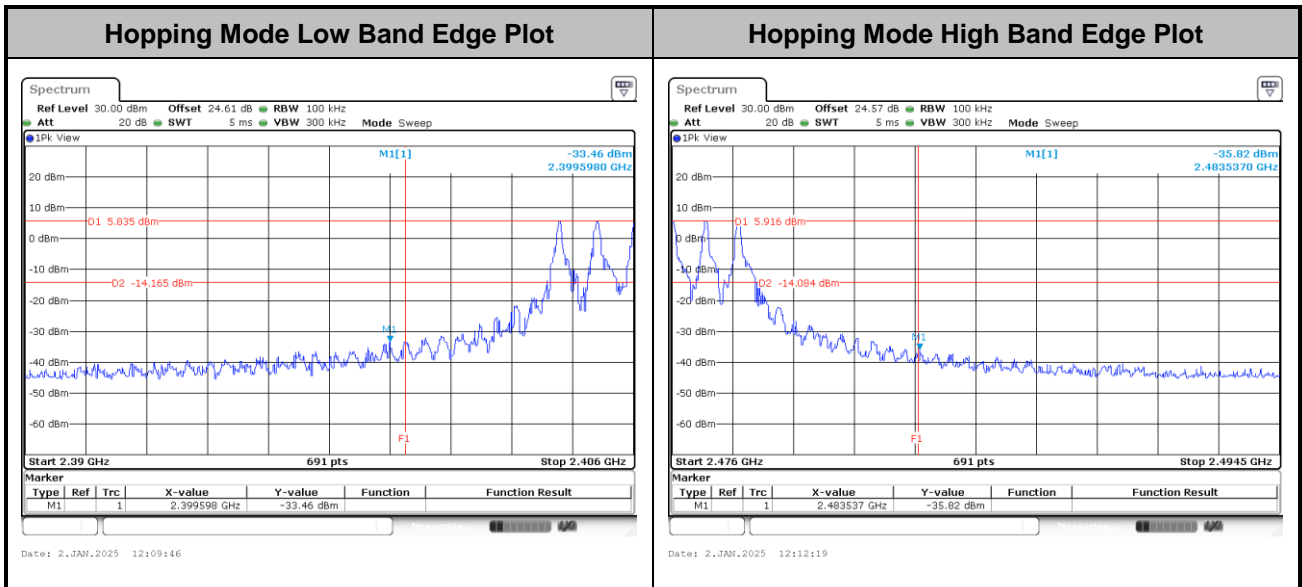


Band Edges





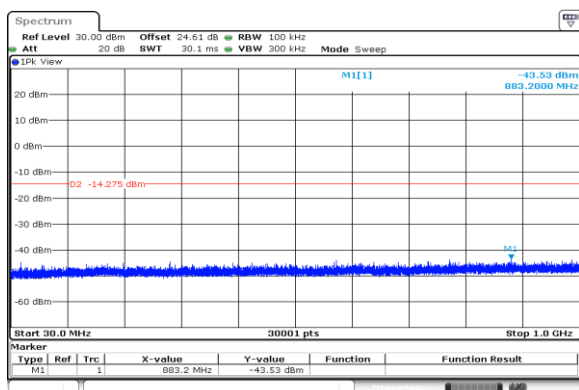
Hopping Mode Band Edges





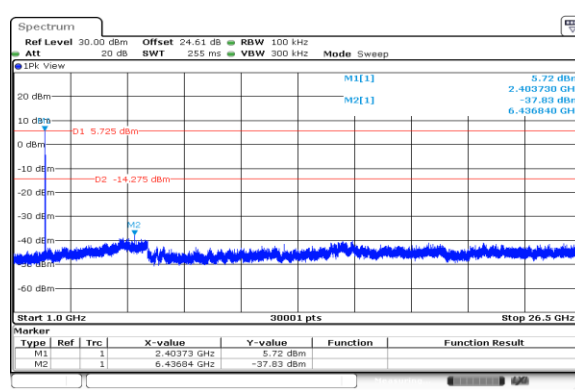
## Conducted Spurious Emission

CSE Plot on Low Ch between 30MHz ~ 1 GHz



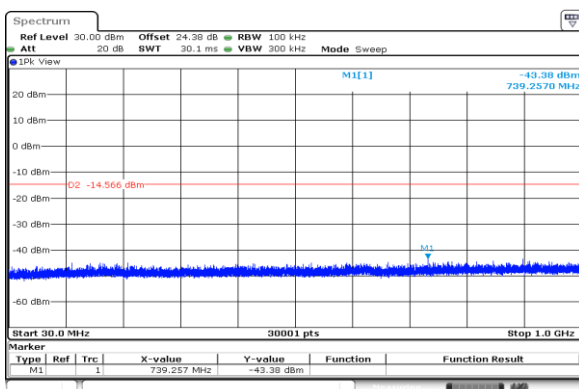
Date: 2,JAN,2025 14:26:38

CSE Plot on Low Ch between 1GHz ~ 26.5GHz



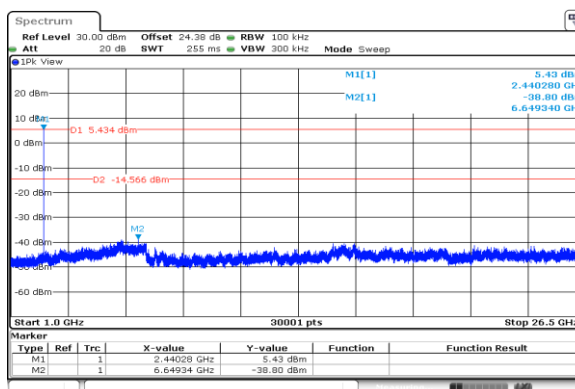
Date: 2,JAN,2025 14:26:05

CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



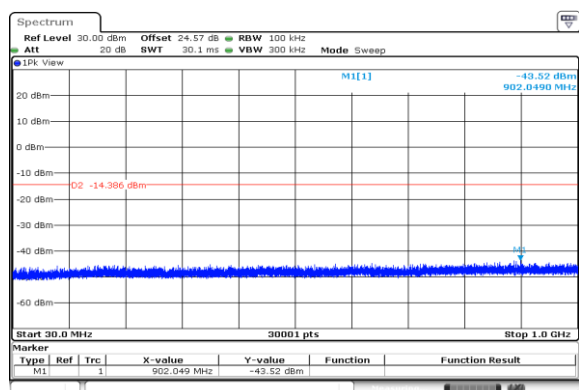
Date: 2,JAN,2025 14:28:42

CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



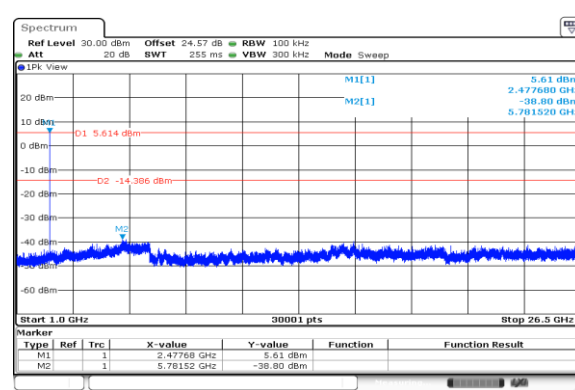
Date: 2,JAN,2025 14:28:13

CSE Plot on High Ch between 30MHz ~ 1 GHz



Date: 2,JAN,2025 14:32:15

CSE Plot on High Ch between 1GHz ~ 26.5GHz



Date: 2,JAN,2025 14:31:45



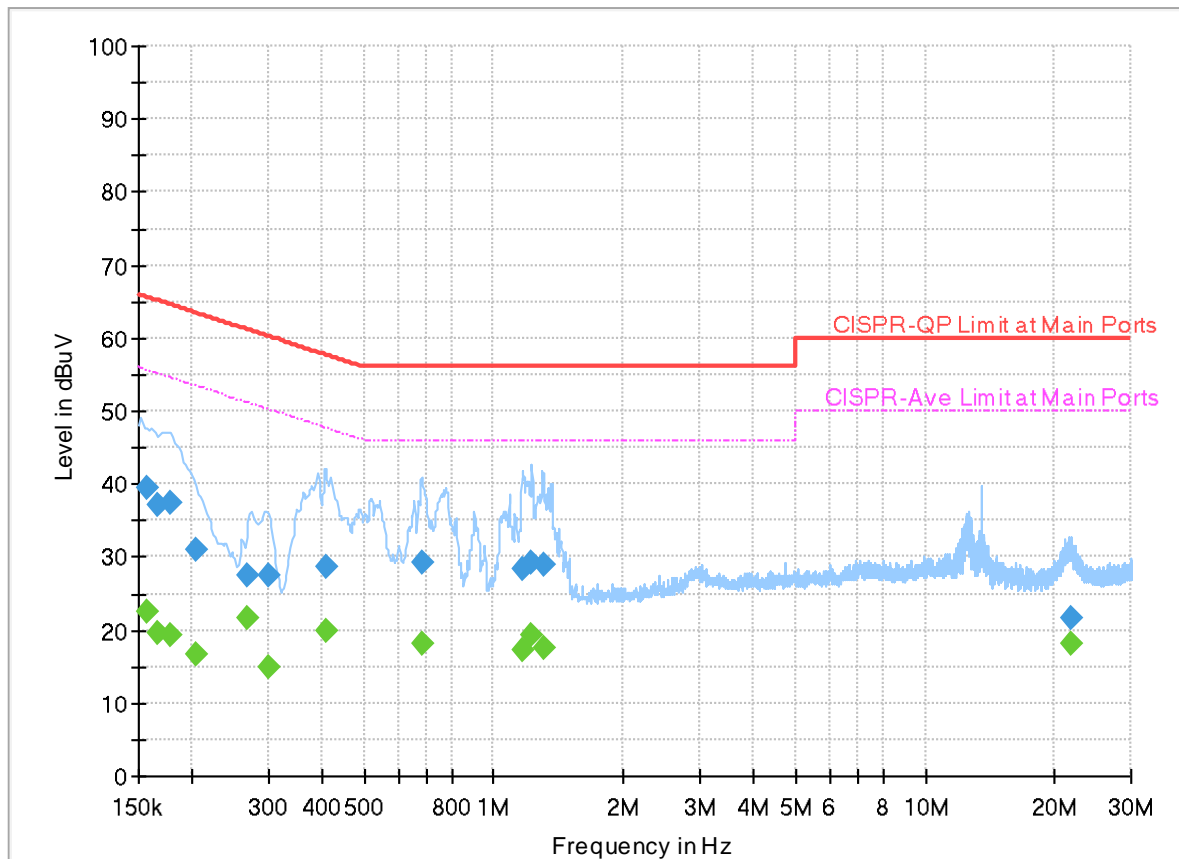
## Appendix B. AC Conducted Emission Test Results

|                 |             |                     |            |
|-----------------|-------------|---------------------|------------|
| Test Engineer : | Louis Chung | Temperature :       | 18.2~20.3℃ |
|                 |             | Relative Humidity : | 40.2~47.6% |

## EUT Information

Test Mode : Mode 1  
 Test Voltage : 120Vac/60Hz  
 Phase : Line

Full Spectrum



## Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | PE  | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|-----|------------|
| 0.156278        | 39.39            | ---             | 65.66        | 26.27       | L1   | FLO | 19.9       |
| 0.156278        | ---              | 22.42           | 55.66        | 33.24       | L1   | FLO | 19.9       |
| 0.165750        | 37.28            | ---             | 65.17        | 27.89       | L1   | FLO | 19.9       |
| 0.165750        | ---              | 19.58           | 55.17        | 35.59       | L1   | FLO | 19.9       |
| 0.177810        | 37.44            | ---             | 64.59        | 27.15       | L1   | FLO | 19.9       |
| 0.177810        | ---              | 19.22           | 54.59        | 35.37       | L1   | FLO | 19.9       |
| 0.204000        | 31.13            | ---             | 63.45        | 32.32       | L1   | FLO | 19.9       |
| 0.204000        | ---              | 16.66           | 53.45        | 36.79       | L1   | FLO | 19.9       |
| 0.269070        | 27.46            | ---             | 61.15        | 33.69       | L1   | FLO | 19.9       |
| 0.269070        | ---              | 21.66           | 51.15        | 29.49       | L1   | FLO | 19.9       |
| 0.299040        | 27.54            | ---             | 60.27        | 32.73       | L1   | FLO | 19.9       |
| 0.299040        | ---              | 14.81           | 50.27        | 35.46       | L1   | FLO | 19.9       |
| 0.408030        | 28.52            | ---             | 57.69        | 29.17       | L1   | FLO | 19.9       |
| 0.408030        | ---              | 19.91           | 47.69        | 27.78       | L1   | FLO | 19.9       |
| 0.678930        | 29.33            | ---             | 56.00        | 26.67       | L1   | FLO | 19.9       |
| 0.678930        | ---              | 18.08           | 46.00        | 27.92       | L1   | FLO | 19.9       |
| 1.169610        | 28.31            | ---             | 56.00        | 27.69       | L1   | FLO | 19.9       |
| 1.169610        | ---              | 17.17           | 46.00        | 28.83       | L1   | FLO | 19.9       |
| 1.221180        | 29.24            | ---             | 56.00        | 26.76       | L1   | FLO | 19.9       |

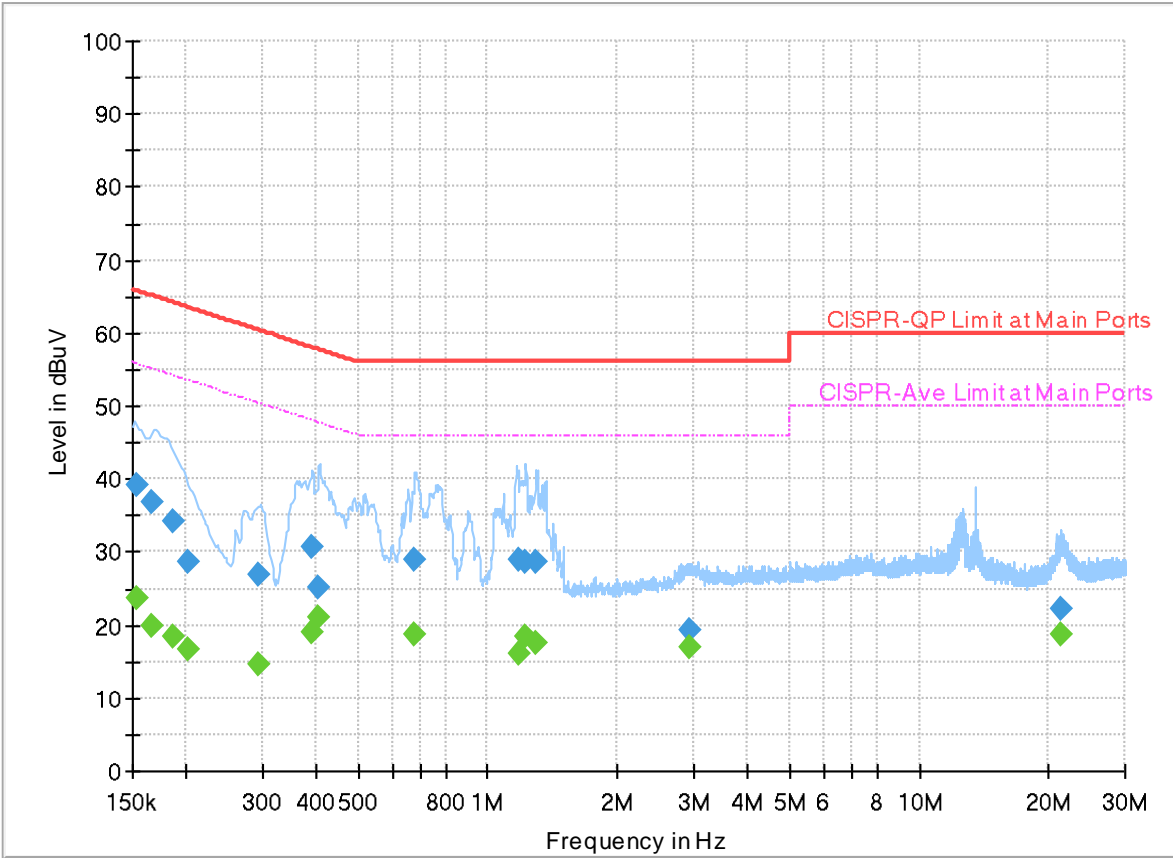
|           |       |       |       |       |    |     |      |
|-----------|-------|-------|-------|-------|----|-----|------|
| 1.221180  | ---   | 19.17 | 46.00 | 26.83 | L1 | FLO | 19.9 |
| 1.302000  | 28.90 | ---   | 56.00 | 27.10 | L1 | FLO | 19.9 |
| 1.302000  | ---   | 17.64 | 46.00 | 28.36 | L1 | FLO | 19.9 |
| 21.859080 | 21.51 | ---   | 60.00 | 38.49 | L1 | FLO | 20.2 |
| 21.859080 | ---   | 18.10 | 50.00 | 31.90 | L1 | FLO | 20.2 |

EUT Information

Test Mode :  
Test Voltage :  
Phase :

Mode 1  
120Vac/60Hz  
Neutral

Full Spectrum



Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | PE  | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|-----|------------|
| 0.153578        | ---              | 23.73           | 55.80        | 32.07       | N    | FLO | 20.0       |
| 0.153578        | 39.26            | ---             | 65.80        | 26.54       | N    | FLO | 20.0       |
| 0.165750        | ---              | 19.75           | 55.17        | 35.42       | N    | FLO | 19.9       |
| 0.165750        | 36.93            | ---             | 65.17        | 28.24       | N    | FLO | 19.9       |
| 0.185460        | ---              | 18.42           | 54.24        | 35.82       | N    | FLO | 19.9       |
| 0.185460        | 34.17            | ---             | 64.24        | 30.07       | N    | FLO | 19.9       |
| 0.201750        | ---              | 16.68           | 53.54        | 36.86       | N    | FLO | 19.9       |
| 0.201750        | 28.69            | ---             | 63.54        | 34.85       | N    | FLO | 19.9       |
| 0.294000        | ---              | 14.59           | 50.41        | 35.82       | N    | FLO | 19.9       |
| 0.294000        | 26.85            | ---             | 60.41        | 33.56       | N    | FLO | 19.9       |
| 0.391200        | ---              | 18.95           | 48.04        | 29.09       | N    | FLO | 19.9       |
| 0.391200        | 30.79            | ---             | 58.04        | 27.25       | N    | FLO | 19.9       |
| 0.404250        | ---              | 21.00           | 47.77        | 26.77       | N    | FLO | 19.9       |
| 0.404250        | 25.17            | ---             | 57.77        | 32.60       | N    | FLO | 19.9       |
| 0.674250        | ---              | 18.72           | 46.00        | 27.28       | N    | FLO | 19.9       |
| 0.674250        | 28.97            | ---             | 56.00        | 27.03       | N    | FLO | 19.9       |
| 1.173120        | ---              | 16.07           | 46.00        | 29.93       | N    | FLO | 20.0       |
| 1.173120        | 28.98            | ---             | 56.00        | 27.02       | N    | FLO | 20.0       |
| 1.218750        | ---              | 18.29           | 46.00        | 27.71       | N    | FLO | 20.0       |

|           |       |       |       |       |   |     |      |
|-----------|-------|-------|-------|-------|---|-----|------|
| 1.218750  | 28.63 | ---   | 56.00 | 27.37 | N | FLO | 20.0 |
| 1.293090  | ---   | 17.51 | 46.00 | 28.49 | N | FLO | 20.0 |
| 1.293090  | 28.51 | ---   | 56.00 | 27.49 | N | FLO | 20.0 |
| 2.931180  | ---   | 16.93 | 46.00 | 29.07 | N | FLO | 20.0 |
| 2.931180  | 19.42 | ---   | 56.00 | 36.58 | N | FLO | 20.0 |
| 21.425100 | ---   | 18.71 | 50.00 | 31.29 | N | FLO | 20.2 |
| 21.425100 | 22.29 | ---   | 60.00 | 37.71 | N | FLO | 20.2 |



## Appendix C. Radiated Spurious Emission Test Data

|                        |                                     |                            |             |
|------------------------|-------------------------------------|----------------------------|-------------|
| <b>Test Engineer :</b> | John Chuang, David Dai and Sam Chou | <b>Temperature :</b>       | 19.1~22.2°C |
|                        |                                     | <b>Relative Humidity :</b> | 65.4~70.5%  |

### Note symbol

|    |                       |
|----|-----------------------|
| -L | Low channel location  |
| -R | High channel location |

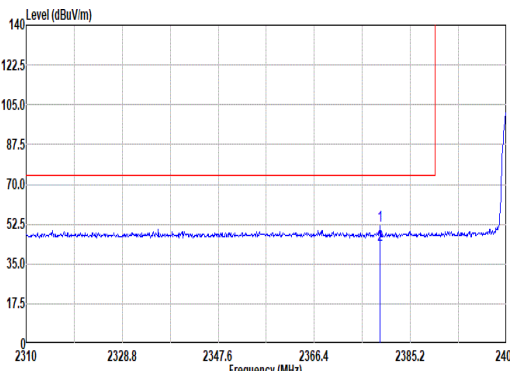
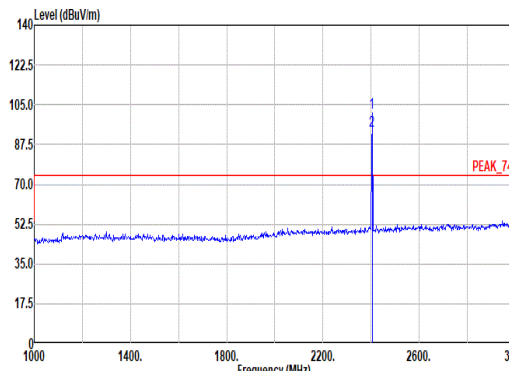
## C1. Radiated Spurious Emission Test Modes

| Mode    | Band (MHz)  | Antenna | Modulation       | Channel | Frequency | Data Rate | RU | Remark |
|---------|-------------|---------|------------------|---------|-----------|-----------|----|--------|
| Mode 14 | 2400-2483.5 | 1       | Bluetooth BR_ASK | 02      | 2404      | 1Mbps     | -  | -      |
| Mode 15 | 2400-2483.5 | 1       | Bluetooth BR_ASK | 38      | 2440      | 1Mbps     | -  | -      |
| Mode 16 | 2400-2483.5 | 1       | Bluetooth BR_ASK | 76      | 2478      | 1Mbps     | -  | -      |
| Mode 17 | 2400-2483.5 | 1       | Bluetooth BR_ASK | 76      | 2478      | 1Mbps     | -  | LF     |
| Mode 18 | 2400-2483.5 | 1       | Bluetooth BR_ASK | 76      | 2478      | 1Mbps     | -  | SHF    |

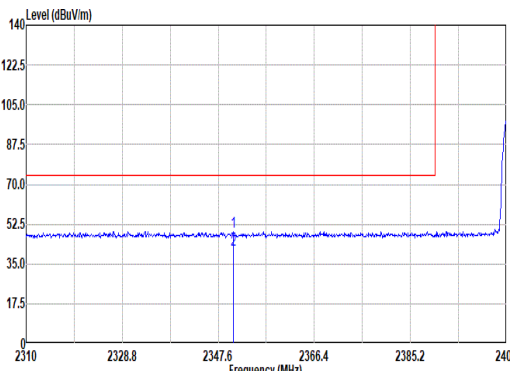
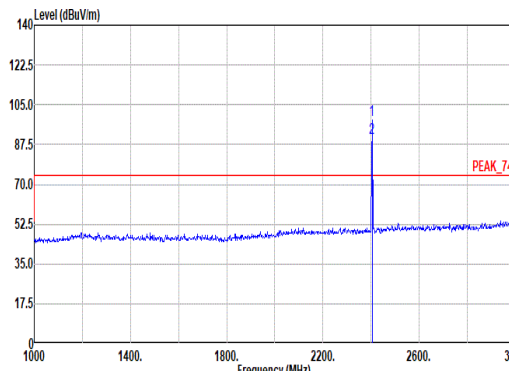
## C2. Summary of each worse mode

| Mode | Modulation       | Ch. | Freq. (MHz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Pol. | Peak Avg. | Result | RU | Remark    |
|------|------------------|-----|-------------|----------------|----------------|-------------|------|-----------|--------|----|-----------|
| 14   | Bluetooth BR_ASK | 02  | 2379.28     | 43.57          | 54.00          | -10.43      | H    | Avg.      | Pass   | -  | Band Edge |
|      | Bluetooth BR_ASK | 02  | 4804.00     | 43.94          | 54.00          | -10.06      | H    | Avg.      | Pass   | -  | Harmonic  |
| 15   | Bluetooth BR_ASK | 38  | 2487.40     | 42.15          | 54.00          | -11.85      | H    | Avg.      | Pass   | -  | Band Edge |
|      | Bluetooth BR_ASK | 38  | 7320.00     | 46.49          | 54.00          | -7.51       | H    | Avg.      | Pass   | -  | Harmonic  |
| 16   | Bluetooth BR_ASK | 76  | 2491.57     | 43.00          | 54.00          | -11.00      | H    | Avg.      | Pass   | -  | Band Edge |
|      | Bluetooth BR_ASK | 76  | 7434.00     | 46.78          | 54.00          | -7.22       | H    | Avg.      | Pass   | -  | Harmonic  |
| 17   | LF               | 76  | 51.34       | 32.92          | 40.00          | -7.08       | V    | Peak      | Pass   | -  | LF        |
| 18   | SHF              | 76  | 23922.00    | 42.86          | 74.00          | -31.14      | V    | Peak      | Pass   | -  | SHF       |

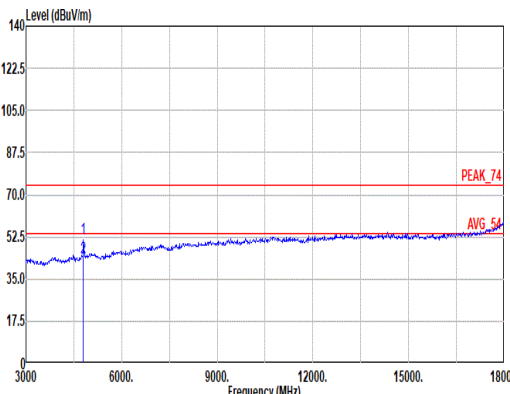
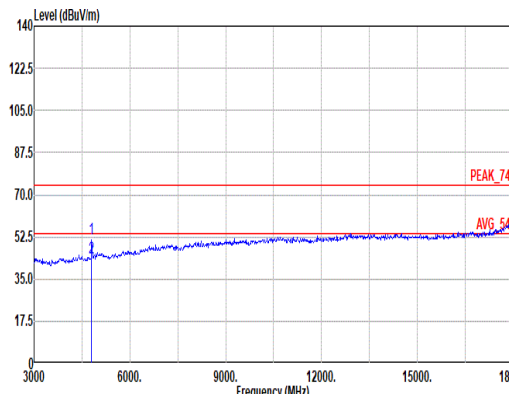


| Mode | 14  |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|------|---|--------|--------|--------|--------|-------|--|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|--|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|
|      | Band Edge   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | 2400-2483.5_Bluetooth BR_ASK_CH02_2404MHz   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| ANT  | 1   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Pol. | Horizontal  |        |        |        |        |       | Fundamental  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Peak |    |        |        |        |        |       |                                        |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | Site : 03CH20-HY<br>Condition: PEAK_BE_74_3m HF_91200_02360_241101 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto   |        |        |        |        |       | Site : 03CH20-HY<br>Condition: PEAK_74_3m HF_91200_02360_241101 HORIZONTAL<br>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | <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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2379.28</td><td>51.62</td><td>74.00</td><td>-22.38</td><td>42.39</td><td>27.21</td><td>8.60</td><td>36.26</td><td>9.68</td><td>200</td><td>201</td><td>PEAK</td></tr><tr><td>2</td><td>2379.28</td><td>43.57</td><td>54.00</td><td>-10.43</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>200</td><td>201</td><td>Average</td></tr></tbody></table> |        |        |        |        |       |  | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2379.28 | 51.62 | 74.00 | -22.38 | 42.39 | 27.21 | 8.60 | 36.26 | 9.68 | 200 | 201 | PEAK | 2 | 2379.28 | 43.57 | 54.00 | -10.43 | -- | -- | -- | -- | -- | 200 | 201 | 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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2404.00</td><td>101.49</td><td>-----</td><td>-----</td><td>91.99</td><td>27.44</td><td>8.65</td><td>36.27</td><td>9.68</td><td>200</td><td>201</td><td>PEAK</td></tr><tr><td>2</td><td>2404.00</td><td>93.44</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>200</td><td>201</td><td>Average</td></tr></tbody></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2404.00 | 101.49 | ----- | ----- | 91.99 | 27.44 | 8.65 | 36.27 | 9.68 | 200 | 201 | PEAK | 2 | 2404.00 | 93.44 | ----- | ----- | -- | -- | -- | -- | -- | 200 | 201 |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos   | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor   | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB   | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 1    | 2379.28   | 51.62  | 74.00  | -22.38 | 42.39  | 27.21 | 8.60   | 36.26  | 9.68   | 200 | 201   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 2    | 2379.28   | 43.57  | 54.00  | -10.43 | --     | --    | --   | --     | --     | 200 | 201   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos   | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor   | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB   | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 1    | 2404.00   | 101.49 | -----  | -----  | 91.99  | 27.44 | 8.65   | 36.27  | 9.68   | 200 | 201   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 2    | 2404.00   | 93.44  | -----  | -----  | --     | --    | --   | --     | --     | 200 | 201   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |

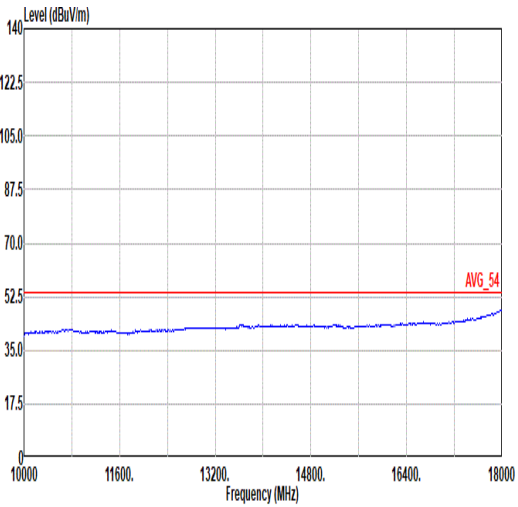
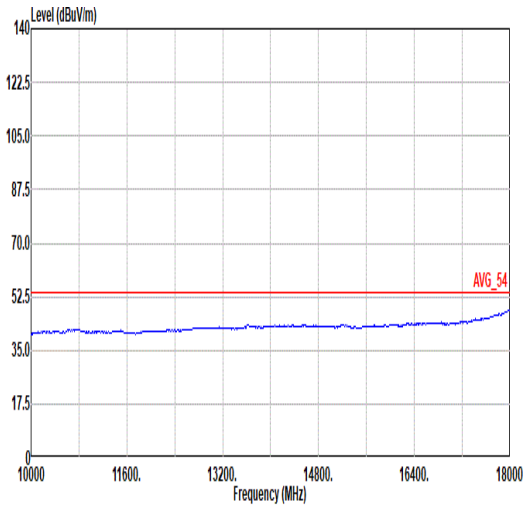


| Mode | 14  |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|------|---|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|---|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|---------|
|      | Band Edge   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | 2400-2483.5_Bluetooth BR_ASK_CH02_2404MHz   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Pol. | Vertical  |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Peak | <div></div> <div>Site : 03CH20-HY<br/>Condition: PEAK_BE_74_3m HF_91200_02360_241101 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</div> <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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2350.51</td><td>49.28</td><td>74.00</td><td>-24.72</td><td>40.01</td><td>27.30</td><td>8.55</td><td>36.26</td><td>9.68</td><td>100</td><td>183</td><td>PEAK</td></tr><tr><td>2</td><td>2350.51</td><td>41.23</td><td>54.00</td><td>-12.77</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>183</td><td>Average</td></tr></table> |        |        |        |        |       |             | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2350.51 | 49.28 | 74.00 | -24.72 | 40.01 | 27.30 | 8.55 | 36.26 | 9.68 | 100 | 183 | PEAK | 2 | 2350.51 | 41.23 | 54.00 | -12.77 | -- | -- | -- | -- | -- | 100 | 183 | Average | <div></div> <div>Site : 03CH20-HY<br/>Condition: PEAK_74_3m HF_91200_02360_241101 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</div> <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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2404.00</td><td>98.18</td><td>-----</td><td>-----</td><td>88.68</td><td>27.44</td><td>8.65</td><td>36.27</td><td>9.68</td><td>100</td><td>183</td><td>PEAK</td></tr><tr><td>2</td><td>2404.00</td><td>90.13</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>183</td><td>Average</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2404.00 | 98.18 | ----- | ----- | 88.68 | 27.44 | 8.65 | 36.27 | 9.68 | 100 | 183 | PEAK | 2 | 2404.00 | 90.13 | ----- | ----- | -- | -- | -- | -- | -- | 100 | 183 | Average |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2350.51   | 49.28  | 74.00  | -24.72 | 40.01  | 27.30 | 8.55        | 36.26  | 9.68   | 100 | 183   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2350.51   | 41.23  | 54.00  | -12.77 | --     | --    | --          | --     | --     | 100 | 183   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2404.00   | 98.18  | -----  | -----  | 88.68  | 27.44 | 8.65        | 36.27  | 9.68   | 100 | 183   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2404.00   | 90.13  | -----  | -----  | --     | --    | --          | --     | --     | 100 | 183   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |



| Mode   | 14  |        |        |        |        |       |  |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|--|---|--------|--------|--------|--------|-------|--|--------|--------|-----|-----|---------|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|
|  | Harmonic  |        |        |        |        |       |  |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|  | 2400-2483.5_Bluetooth BR_ASK_CH02_2404MHz   |        |        |        |        |       |  |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |  |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Pol.   | Horizontal  |        |        |        |        |       | Vertical   |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Peak<br>Avg  |  |        |        |        |        |       |  |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|  | Site : 03CH20-HY<br>Condition: PEAK_74 3m HF_91200_02360_241101 HORIZONTAL        |        |        |        |        |       | Site : 03CH20-HY<br>Condition: PEAK_74 3m HF_91200_02360_241101 VERTICAL           |        |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| <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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>51.99</td><td>74.00</td><td>-22.01</td><td>44.19</td><td>32.23</td><td>12.25</td><td>37.51</td><td>0.83</td><td>100</td><td>171</td><td>PEAK</td></tr><tr><td>2</td><td>4804.00</td><td>43.94</td><td>54.00</td><td>-10.06</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>171</td><td>Average</td></tr></table> |   |        |        |        |        |       |  |        |        |     |     |         |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 4804.00 | 51.99 | 74.00 | -22.01 | 44.19 | 32.23 | 12.25 | 37.51 | 0.83 | 100 | 171 | PEAK | 2 | 4804.00 | 43.94 | 54.00 | -10.06 | -- | -- | -- | -- | -- | 100 | 171 | Average |
|  | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos   | TPos   | Remark |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Freq   | Level   | Line   | Margin | Level  | Factor | Loss  | Factor   | Factor |        |     |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|  | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB   | dB     | cm     | deg |     |         |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 1  | 4804.00   | 51.99  | 74.00  | -22.01 | 44.19  | 32.23 | 12.25  | 37.51  | 0.83   | 100 | 171 | PEAK    |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 2  | 4804.00   | 43.94  | 54.00  | -10.06 | --     | --    | --   | --     | --     | 100 | 171 | Average |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |

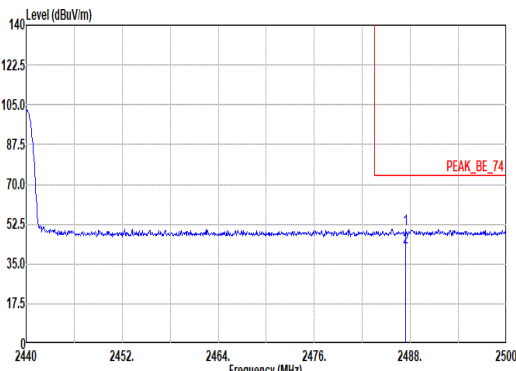


|                    |  |   |
|--------------------|--|---|
| Mode               | 14   |   |
|                    | Harmonic   |   |
|                    | 2400-2483.5_Bluetooth BR_ASK_CH02_2404MHz  |   |
| ANT                | 1  |   |
| Pol.               | Horizontal   | Vertical  |
| 10G<br>~18G<br>Avg |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL</p> |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL</p> |

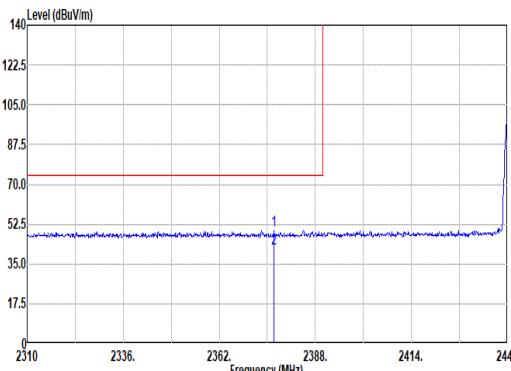
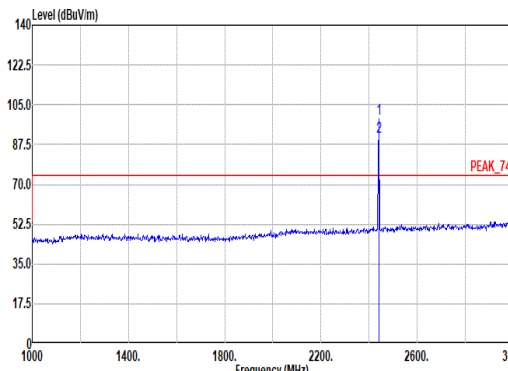


| Mode | 15  |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|------|---|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|---------|--|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|---------|
|      | Band Edge - L   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Pol. | Horizontal  |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Peak | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74_3m HF_91200_02360_241101 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2366.29</td><td>49.55</td><td>74.00</td><td>-24.45</td><td>40.25</td><td>27.30</td><td>8.58</td><td>36.26</td><td>9.68</td><td>236</td><td>200</td><td>PEAK</td></tr><tr><td>2</td><td>2366.29</td><td>41.50</td><td>54.00</td><td>-12.50</td><td>32.20</td><td>27.30</td><td>8.58</td><td>36.26</td><td>9.68</td><td>236</td><td>200</td><td>Average</td></tr></table></div> |        |        |        |        |       |             | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2366.29 | 49.55 | 74.00 | -24.45 | 40.25 | 27.30 | 8.58 | 36.26 | 9.68 | 236 | 200 | PEAK | 2 | 2366.29 | 41.50 | 54.00 | -12.50 | 32.20 | 27.30 | 8.58 | 36.26 | 9.68 | 236 | 200 | Average | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_74_3m HF_91200_02360_241101 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2440.00</td><td>102.50</td><td>-----</td><td>-----</td><td>92.79</td><td>27.60</td><td>8.71</td><td>36.28</td><td>9.68</td><td>236</td><td>200</td><td>PEAK</td></tr><tr><td>2</td><td>2440.00</td><td>94.45</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>236</td><td>200</td><td>Average</td></tr></table></div> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 102.50 | ----- | ----- | 92.79 | 27.60 | 8.71 | 36.28 | 9.68 | 236 | 200 | PEAK | 2 | 2440.00 | 94.45 | ----- | ----- | -- | -- | -- | -- | -- | 236 | 200 | Average |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2366.29   | 49.55  | 74.00  | -24.45 | 40.25  | 27.30 | 8.58        | 36.26  | 9.68   | 236 | 200   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2366.29   | 41.50  | 54.00  | -12.50 | 32.20  | 27.30 | 8.58        | 36.26  | 9.68   | 236 | 200   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2440.00   | 102.50 | -----  | -----  | 92.79  | 27.60 | 8.71        | 36.28  | 9.68   | 236 | 200   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2440.00   | 94.45  | -----  | -----  | --     | --    | --          | --     | --     | 236 | 200   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |       |       |      |       |      |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |



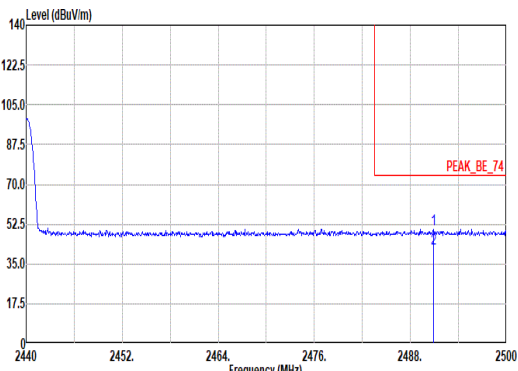
| Mode | 15   |             |        |        |        |       |        |       |        |       |        |         |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
|------|--|-------------|--------|--------|--------|-------|--------|-------|--------|-------|--------|---------|--------|------|--------|--|-----|--------|--------|----|----|------|----|----|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|-------|
|      | Band Edge - R  |             |        |        |        |       |        |       |        |       |        |         |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
|      | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz  |             |        |        |        |       |        |       |        |       |        |         |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
| ANT  | 1  |             |        |        |        |       |        |       |        |       |        |         |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
| Pol. | Horizontal   | Fundamental |        |        |        |       |        |       |        |       |        |         |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
| Peak | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91200_02360_241101 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2487.40</td><td>50.20</td><td>74.00</td><td>-23.80</td><td>40.05</td><td>27.97</td><td>8.80</td><td>36.30</td><td>9.68</td><td>236</td><td>200</td><td>PEAK</td></tr><tr><td>2</td><td>2487.40</td><td>42.15</td><td>54.00</td><td>-11.85</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>236</td><td>200</td><td>Average</td></tr></table></div> |             | Freq   | Level  | Limit  | Line  | Margin | Read  | Ant    | Cable | Preamp | Aux     | APos   | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dB | dB/m | dB | dB | dB | dB | cm | deg |  | 1 | 2487.40 | 50.20 | 74.00 | -23.80 | 40.05 | 27.97 | 8.80 | 36.30 | 9.68 | 236 | 200 | PEAK | 2 | 2487.40 | 42.15 | 54.00 | -11.85 | -- | -- | -- | -- | -- | 236 | 200 | Average | Blank |
|      | Freq   | Level       | Limit  | Line   | Margin | Read  | Ant    | Cable | Preamp | Aux   | APos   | TPos    | Remark |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
|      | MHz  | dBuV/m      | dBuV/m | dB     | dB     | dB/m  | dB     | dB    | dB     | dB    | cm     | deg     |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
| 1    | 2487.40  | 50.20       | 74.00  | -23.80 | 40.05  | 27.97 | 8.80   | 36.30 | 9.68   | 236   | 200    | PEAK    |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |
| 2    | 2487.40  | 42.15       | 54.00  | -11.85 | --     | --    | --     | --    | --     | 236   | 200    | Average |        |      |        |  |     |        |        |    |    |      |    |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |       |



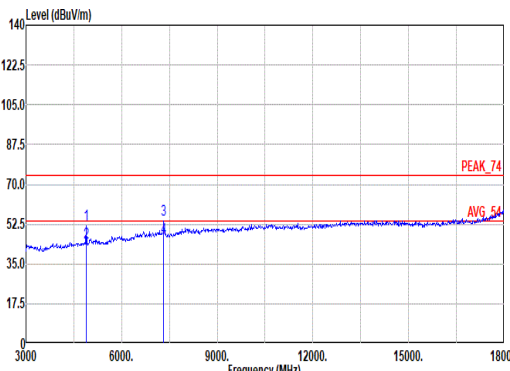
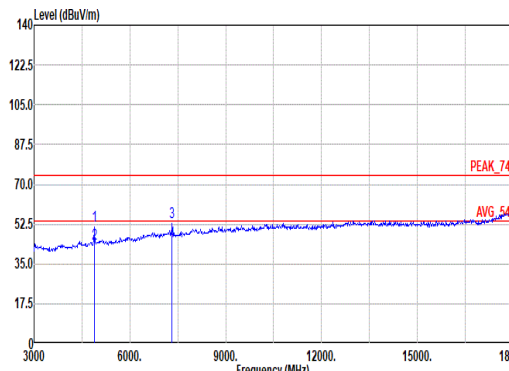
| Mode | 15  |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|------|---|--------|--------|--------|--------|-------|--|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|---|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|
|      | Band Edge - L   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| ANT  | 1   |        |        |        |        |       |  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Pol. | Vertical  |        |        |        |        |       | Fundamental  |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Peak |    |        |        |        |        |       |                                      |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | Site : 03CH20-HY<br>Condition: PEAK_BE_74 3m HF_91200_02360_241101 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto   |        |        |        |        |       | Site : 03CH20-HY<br>Condition: PEAK_74 3m HF_91200_02360_241101 VERTICAL<br>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | <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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2376.82</td><td>49.54</td><td>74.00</td><td>-24.46</td><td>40.29</td><td>27.23</td><td>8.60</td><td>36.26</td><td>9.68</td><td>100</td><td>175</td><td>PEAK</td></tr><tr><td>2</td><td>2376.82</td><td>41.49</td><td>54.00</td><td>-12.51</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>175</td><td>Average</td></tr></table> |        |        |        |        |       |  | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2376.82 | 49.54 | 74.00 | -24.46 | 40.29 | 27.23 | 8.60 | 36.26 | 9.68 | 100 | 175 | PEAK | 2 | 2376.82 | 41.49 | 54.00 | -12.51 | -- | -- | -- | -- | -- | 100 | 175 | 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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2440.00</td><td>99.00</td><td>-----</td><td>-----</td><td>89.29</td><td>27.60</td><td>8.71</td><td>36.28</td><td>9.68</td><td>100</td><td>175</td><td>PEAK</td></tr><tr><td>2</td><td>2440.00</td><td>90.95</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>175</td><td>Average</td></tr></table> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2440.00 | 99.00 | ----- | ----- | 89.29 | 27.60 | 8.71 | 36.28 | 9.68 | 100 | 175 | PEAK | 2 | 2440.00 | 90.95 | ----- | ----- | -- | -- | -- | -- | -- | 100 | 175 |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos   | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor   | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB   | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 1    | 2376.82   | 49.54  | 74.00  | -24.46 | 40.29  | 27.23 | 8.60   | 36.26  | 9.68   | 100 | 175   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 2    | 2376.82   | 41.49  | 54.00  | -12.51 | --     | --    | --   | --     | --     | 100 | 175   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos   | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor   | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB   | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 1    | 2440.00   | 99.00  | -----  | -----  | 89.29  | 27.60 | 8.71   | 36.28  | 9.68   | 100 | 175   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |
| 2    | 2440.00   | 90.95  | -----  | -----  | --     | --    | --   | --     | --     | 100 | 175   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |



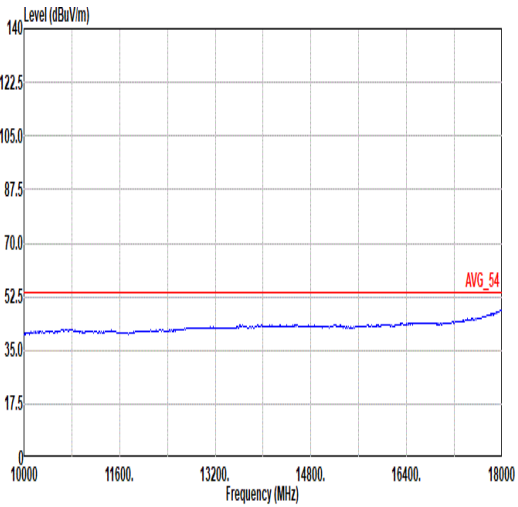
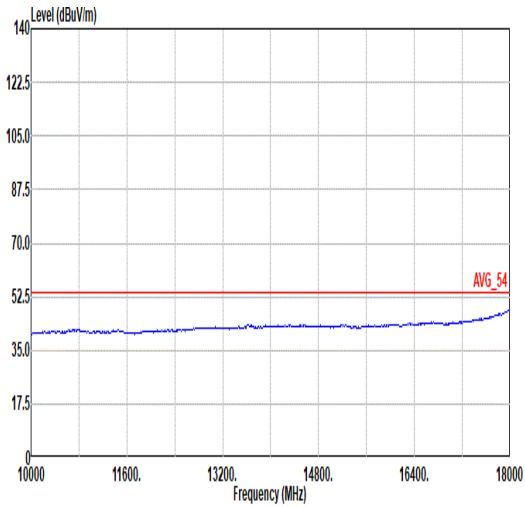


| Mode | 15   |             |        |        |        |       |        |       |        |       |        |      |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
|------|--|-------------|--------|--------|--------|-------|--------|-------|--------|-------|--------|------|---------|------|--------|--|-----|--------|--------|----|----|------|------|----|----|----|----|-----|--|---|---------|-------|-------|--------|--|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|--|----|----|----|----|----|-----|-----|---------|-------|
|      | Band Edge - R  |             |        |        |        |       |        |       |        |       |        |      |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
|      | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz  |             |        |        |        |       |        |       |        |       |        |      |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
| ANT  | 1  |             |        |        |        |       |        |       |        |       |        |      |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
| Pol. | Vertical   | Fundamental |        |        |        |       |        |       |        |       |        |      |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
| Peak | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91200_02360_241101 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th><th></th></tr><tr><td>1</td><td>2490.88</td><td>50.00</td><td>74.00</td><td>-24.00</td><td></td><td>39.81</td><td>28.00</td><td>8.81</td><td>36.30</td><td>9.68</td><td>100</td><td>175</td><td>PEAK</td></tr><tr><td>2</td><td>2490.88</td><td>41.95</td><td>54.00</td><td>-12.05</td><td></td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>175</td><td>Average</td></tr></table></div> |             | Freq   | Level  | Limit  | Line  | Margin | Read  | Ant    | Cable | Preamp | Aux  | APos    | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dB | dBuV | dB/m | dB | dB | dB | cm | deg |  | 1 | 2490.88 | 50.00 | 74.00 | -24.00 |  | 39.81 | 28.00 | 8.81 | 36.30 | 9.68 | 100 | 175 | PEAK | 2 | 2490.88 | 41.95 | 54.00 | -12.05 |  | -- | -- | -- | -- | -- | 100 | 175 | Average | Blank |
|      | Freq   | Level       | Limit  | Line   | Margin | Read  | Ant    | Cable | Preamp | Aux   | APos   | TPos | Remark  |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
|      | MHz  | dBuV/m      | dBuV/m | dB     | dB     | dBuV  | dB/m   | dB    | dB     | dB    | cm     | deg  |         |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
| 1    | 2490.88  | 50.00       | 74.00  | -24.00 |        | 39.81 | 28.00  | 8.81  | 36.30  | 9.68  | 100    | 175  | PEAK    |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |
| 2    | 2490.88  | 41.95       | 54.00  | -12.05 |        | --    | --     | --    | --     | --    | 100    | 175  | Average |      |        |  |     |        |        |    |    |      |      |    |    |    |    |     |  |   |         |       |       |        |  |       |       |      |       |      |     |     |      |   |         |       |       |        |  |    |    |    |    |    |     |     |         |       |

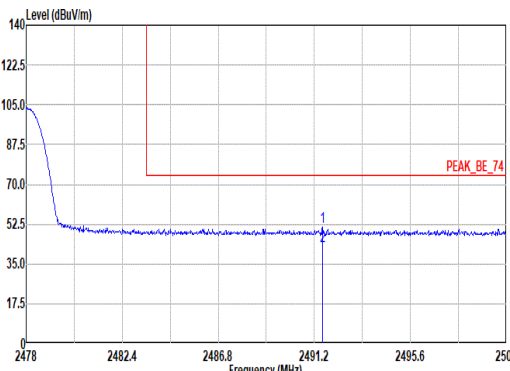
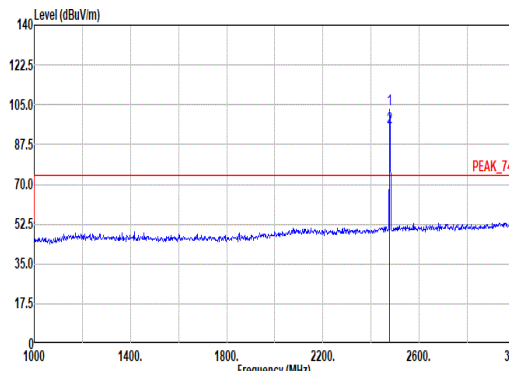


| Mode   | 15  |        |        |        |        |       |  |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
|--|---|--------|--------|--------|--------|-------|--|-------|--------|-----|------|------|---------|-------|-------|------|--------|------|-----|-------|--------|-----|------|------|--------|--|-----|--------|--------|----|----|------|------|----|----|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|-----|-----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|-----|-----|---------|
|  | Harmonic  |        |        |        |        |       |  |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
|  | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz   |        |        |        |        |       |  |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |  |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| Pol.   | Horizontal  |        |        |        |        |       | Vertical   |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| Peak<br>Avg  |  |        |        |        |        |       |  |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
|  | Site : 03CH20-HY<br>Condition: PEAK_74 3m HF_91280_02360_241101 HORIZONTAL        |        |        |        |        |       | Site : 03CH20-HY<br>Condition: PEAK_74 3m HF_91280_02360_241101 VERTICAL           |       |        |     |      |      |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| <table><tr><th></th><th>Freq</th><th>Level</th><th>Limit</th><th>Line</th><th>Margin</th><th>Read</th><th>Ant</th><th>Cable</th><th>Preamp</th><th>Aux</th><th>APos</th><th>TPos</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV/m</th><th>dBuV/m</th><th>dB</th><th>dB</th><th>dBuV</th><th>dB/m</th><th>dB</th><th>dB</th><th>dB</th><th>dB</th><th>cm</th><th>deg</th></tr><tr><td>1</td><td>4880.00</td><td>52.46</td><td>74.00</td><td>-21.54</td><td>44.25</td><td>32.72</td><td>12.39</td><td>37.57</td><td>0.67</td><td>103</td><td>106</td><td>PEAK</td></tr><tr><td>2</td><td>4880.00</td><td>44.41</td><td>54.00</td><td>-9.59</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>103</td><td>106</td><td>Average</td></tr><tr><td>3</td><td>7320.00</td><td>54.54</td><td>74.00</td><td>-19.46</td><td>40.51</td><td>36.78</td><td>15.38</td><td>38.48</td><td>0.35</td><td>100</td><td>213</td><td>PEAK</td></tr><tr><td>4</td><td>7320.00</td><td>46.49</td><td>54.00</td><td>-7.51</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>213</td><td>Average</td></tr></table> |   |        |        |        |        |       |  |       |        |     |      |      | Freq    | Level | Limit | Line | Margin | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dB | dBuV | dB/m | dB | dB | dB | dB | cm | deg | 1 | 4880.00 | 52.46 | 74.00 | -21.54 | 44.25 | 32.72 | 12.39 | 37.57 | 0.67 | 103 | 106 | PEAK | 2 | 4880.00 | 44.41 | 54.00 | -9.59 | -- | -- | -- | -- | -- | -- | 103 | 106 | Average | 3 | 7320.00 | 54.54 | 74.00 | -19.46 | 40.51 | 36.78 | 15.38 | 38.48 | 0.35 | 100 | 213 | PEAK | 4 | 7320.00 | 46.49 | 54.00 | -7.51 | -- | -- | -- | -- | -- | -- | 100 | 213 | Average |
|  | Freq  | Level  | Limit  | Line   | Margin | Read  | Ant  | Cable | Preamp | Aux | APos | TPos | Remark  |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
|  | MHz   | dBuV/m | dBuV/m | dB     | dB     | dBuV  | dB/m   | dB    | dB     | dB  | dB   | cm   | deg     |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| 1  | 4880.00   | 52.46  | 74.00  | -21.54 | 44.25  | 32.72 | 12.39  | 37.57 | 0.67   | 103 | 106  | PEAK |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| 2  | 4880.00   | 44.41  | 54.00  | -9.59  | --     | --    | --   | --    | --     | --  | 103  | 106  | Average |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| 3  | 7320.00   | 54.54  | 74.00  | -19.46 | 40.51  | 36.78 | 15.38  | 38.48 | 0.35   | 100 | 213  | PEAK |         |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |
| 4  | 7320.00   | 46.49  | 54.00  | -7.51  | --     | --    | --   | --    | --     | --  | 100  | 213  | Average |       |       |      |        |      |     |       |        |     |      |      |        |  |     |        |        |    |    |      |      |    |    |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |     |     |         |

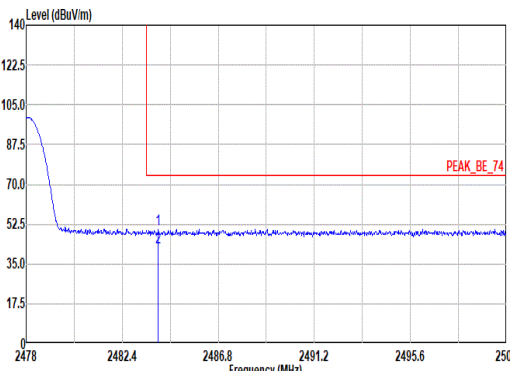
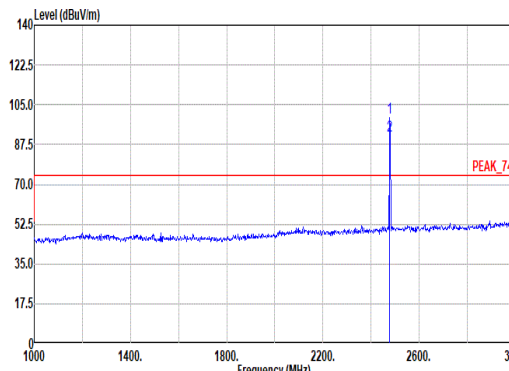


|                    |  |   |
|--------------------|--|---|
| Mode               | 15   |   |
|                    | Harmonic   |   |
|                    | 2400-2483.5_Bluetooth BR_ASK_CH38_2440MHz  |   |
| ANT                | 1  |   |
| Pol.               | Horizontal   | Vertical  |
| 10G<br>~18G<br>Avg |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL</p> |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL</p> |

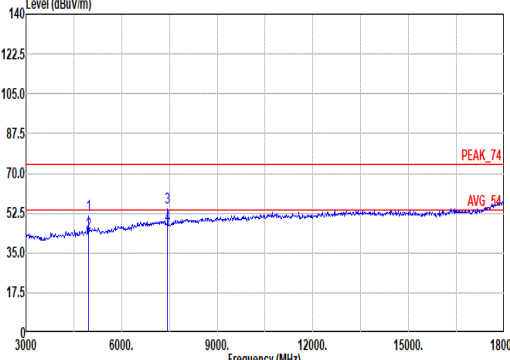
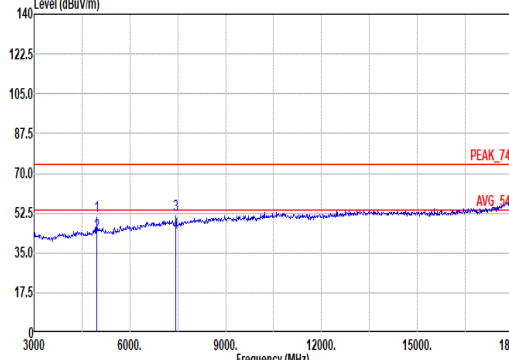


| Mode | 16  |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|------|---|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|--|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|---------|
|      | Band Edge   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Pol. | Horizontal  |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Peak | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91200_02360_241101 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2491.57</td><td>51.05</td><td>74.00</td><td>-22.95</td><td>40.86</td><td>28.00</td><td>8.81</td><td>36.30</td><td>9.68</td><td>230</td><td>199</td><td>PEAK</td></tr><tr><td>2</td><td>2491.57</td><td>43.00</td><td>54.00</td><td>-11.00</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>230</td><td>199</td><td>Average</td></tr></table></div> |        |        |        |        |       |             | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2491.57 | 51.05 | 74.00 | -22.95 | 40.86 | 28.00 | 8.81 | 36.30 | 9.68 | 230 | 199 | PEAK | 2 | 2491.57 | 43.00 | 54.00 | -11.00 | -- | -- | -- | -- | -- | 230 | 199 | Average | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91200_02360_241101 HORIZONTAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2478.00</td><td>103.28</td><td>-----</td><td>-----</td><td>93.23</td><td>27.88</td><td>8.78</td><td>36.29</td><td>9.68</td><td>230</td><td>199</td><td>PEAK</td></tr><tr><td>2</td><td>2478.00</td><td>95.23</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>230</td><td>199</td><td>Average</td></tr></table></div> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2478.00 | 103.28 | ----- | ----- | 93.23 | 27.88 | 8.78 | 36.29 | 9.68 | 230 | 199 | PEAK | 2 | 2478.00 | 95.23 | ----- | ----- | -- | -- | -- | -- | -- | 230 | 199 | Average |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2491.57   | 51.05  | 74.00  | -22.95 | 40.86  | 28.00 | 8.81        | 36.30  | 9.68   | 230 | 199   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2491.57   | 43.00  | 54.00  | -11.00 | --     | --    | --          | --     | --     | 230 | 199   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2478.00   | 103.28 | -----  | -----  | 93.23  | 27.88 | 8.78        | 36.29  | 9.68   | 230 | 199   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2478.00   | 95.23  | -----  | -----  | --     | --    | --          | --     | --     | 230 | 199   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |  |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |

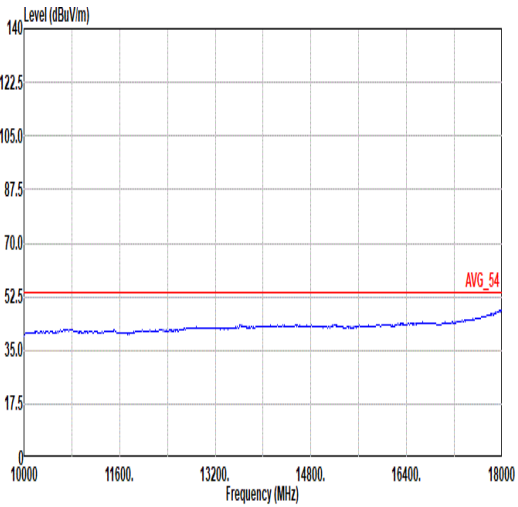
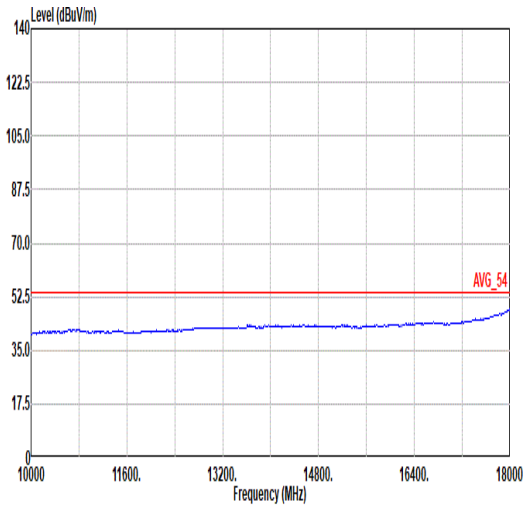


| Mode | 16  |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|------|---|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|---|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|-------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|---------|
|      | Band Edge   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| ANT  | 1   |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Pol. | Vertical  |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Peak | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91200_02360_241101 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2484.05</td><td>50.43</td><td>74.00</td><td>-23.57</td><td>40.31</td><td>27.94</td><td>8.80</td><td>36.30</td><td>9.68</td><td>100</td><td>179</td><td>PEAK</td></tr><tr><td>2</td><td>2484.05</td><td>42.38</td><td>54.00</td><td>-11.62</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>179</td><td>Average</td></tr></table></div> |        |        |        |        |       |             | Limit  | Read   | Ant | Cable | Preamp  | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2484.05 | 50.43 | 74.00 | -23.57 | 40.31 | 27.94 | 8.80 | 36.30 | 9.68 | 100 | 179 | PEAK | 2 | 2484.05 | 42.38 | 54.00 | -11.62 | -- | -- | -- | -- | -- | 100 | 179 | Average | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91200_02360_241101 VERTICAL<br/>: RBW:1000.000kHz VBW:3000.000kHz SMT:Auto</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>2478.00</td><td>99.42</td><td>-----</td><td>-----</td><td>89.37</td><td>27.88</td><td>8.78</td><td>36.29</td><td>9.68</td><td>100</td><td>179</td><td>PEAK</td></tr><tr><td>2</td><td>2478.00</td><td>91.37</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>179</td><td>Average</td></tr></table></div> |  |  |  |  |  |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 2478.00 | 99.42 | ----- | ----- | 89.37 | 27.88 | 8.78 | 36.29 | 9.68 | 100 | 179 | PEAK | 2 | 2478.00 | 91.37 | ----- | ----- | -- | -- | -- | -- | -- | 100 | 179 | Average |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2484.05   | 50.43  | 74.00  | -23.57 | 40.31  | 27.94 | 8.80        | 36.30  | 9.68   | 100 | 179   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2484.05   | 42.38  | 54.00  | -11.62 | --     | --    | --          | --     | --     | 100 | 179   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | Limit   | Read   | Ant    | Cable  | Preamp | Aux   | APos        | TPos   | Remark |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| Freq | Level   | Line   | Margin | Level  | Factor | Loss  | Factor      | Factor |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
|      | MHz   | dBuV/m | dBuV/m | dB     | dBuV   | dB/m  | dB          | dB     | cm     | deg |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 1    | 2478.00   | 99.42  | -----  | -----  | 89.37  | 27.88 | 8.78        | 36.29  | 9.68   | 100 | 179   | PEAK    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |
| 2    | 2478.00   | 91.37  | -----  | -----  | --     | --    | --          | --     | --     | 100 | 179   | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |       |       |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |

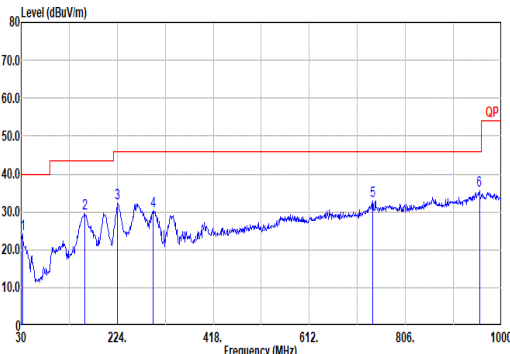
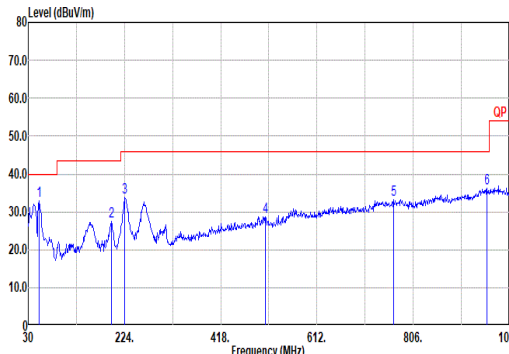


| Mode        | 16  |          |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|-------------|---|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|--------|-------|----|----|----|----|-----|-----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|-----|-----|---------|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|-----|-----|---------|
|             | Harmonic  |          |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|             | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz   |          |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| ANT         | 1   |          |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Pol.        | Horizontal  | Vertical |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Peak<br>Avg | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91280_02360_241101 HORIZONTAL</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>4956.00</td><td>51.85</td><td>74.00</td><td>-22.15</td><td>43.30</td><td>33.14</td><td>12.53</td><td>37.63</td><td>0.51</td><td>100</td><td>188</td><td>PEAK</td></tr><tr><td>2</td><td>4956.00</td><td>43.80</td><td>54.00</td><td>-10.20</td><td>43.80</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>188</td><td>Average</td></tr><tr><td>3</td><td>7434.00</td><td>54.83</td><td>74.00</td><td>-19.17</td><td>41.33</td><td>36.23</td><td>15.51</td><td>38.57</td><td>0.33</td><td>100</td><td>212</td><td>PEAK</td></tr><tr><td>4</td><td>7434.00</td><td>46.78</td><td>54.00</td><td>-7.22</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>212</td><td>Average</td></tr></table></div> |          | Limit  | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark | Freq    | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 4956.00 | 51.85 | 74.00 | -22.15 | 43.30 | 33.14 | 12.53 | 37.63 | 0.51 | 100 | 188 | PEAK | 2 | 4956.00 | 43.80 | 54.00 | -10.20 | 43.80 | -- | -- | -- | -- | 100 | 188 | Average | 3 | 7434.00 | 54.83 | 74.00 | -19.17 | 41.33 | 36.23 | 15.51 | 38.57 | 0.33 | 100 | 212 | PEAK | 4 | 7434.00 | 46.78 | 54.00 | -7.22 | -- | -- | -- | -- | -- | 100 | 212 | Average | <div><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91280_02360_241101 VERTICAL</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>4956.00</td><td>51.13</td><td>74.00</td><td>-22.87</td><td>42.58</td><td>33.14</td><td>12.53</td><td>37.63</td><td>0.51</td><td>303</td><td>232</td><td>PEAK</td></tr><tr><td>2</td><td>4956.00</td><td>43.08</td><td>54.00</td><td>-10.92</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>303</td><td>232</td><td>Average</td></tr><tr><td>3</td><td>7434.00</td><td>51.81</td><td>74.00</td><td>-22.19</td><td>38.31</td><td>36.23</td><td>15.51</td><td>38.57</td><td>0.33</td><td>100</td><td>203</td><td>PEAK</td></tr><tr><td>4</td><td>7434.00</td><td>43.76</td><td>54.00</td><td>-10.24</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>100</td><td>203</td><td>Average</td></tr></table></div> |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 4956.00 | 51.13 | 74.00 | -22.87 | 42.58 | 33.14 | 12.53 | 37.63 | 0.51 | 303 | 232 | PEAK | 2 | 4956.00 | 43.08 | 54.00 | -10.92 | -- | -- | -- | -- | -- | 303 | 232 | Average | 3 | 7434.00 | 51.81 | 74.00 | -22.19 | 38.31 | 36.23 | 15.51 | 38.57 | 0.33 | 100 | 203 | PEAK | 4 | 7434.00 | 43.76 | 54.00 | -10.24 | -- | -- | -- | -- | -- | 100 | 203 | Average |
|             |   | Limit    | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Freq        | Level   | Line     | Margin | Level  | Factor | Loss   | Factor | Factor |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|             | MHz   | dBuV/m   | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 1           | 4956.00   | 51.85    | 74.00  | -22.15 | 43.30  | 33.14  | 12.53  | 37.63  | 0.51   | 100    | 188    | PEAK    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 2           | 4956.00   | 43.80    | 54.00  | -10.20 | 43.80  | --     | --     | --     | --     | 100    | 188    | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 3           | 7434.00   | 54.83    | 74.00  | -19.17 | 41.33  | 36.23  | 15.51  | 38.57  | 0.33   | 100    | 212    | PEAK    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 4           | 7434.00   | 46.78    | 54.00  | -7.22  | --     | --     | --     | --     | --     | 100    | 212    | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|             | Limit   | Read     | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| Freq        | Level   | Line     | Margin | Level  | Factor | Loss   | Factor | Factor |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
|             | MHz   | dBuV/m   | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 1           | 4956.00   | 51.13    | 74.00  | -22.87 | 42.58  | 33.14  | 12.53  | 37.63  | 0.51   | 303    | 232    | PEAK    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 2           | 4956.00   | 43.08    | 54.00  | -10.92 | --     | --     | --     | --     | --     | 303    | 232    | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 3           | 7434.00   | 51.81    | 74.00  | -22.19 | 38.31  | 36.23  | 15.51  | 38.57  | 0.33   | 100    | 203    | PEAK    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |
| 4           | 7434.00   | 43.76    | 54.00  | -10.24 | --     | --     | --     | --     | --     | 100    | 203    | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |       |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |     |     |         |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |   |         |       |       |        |       |       |       |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |     |     |         |



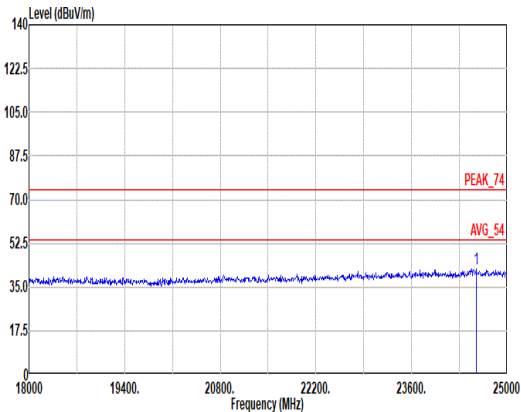
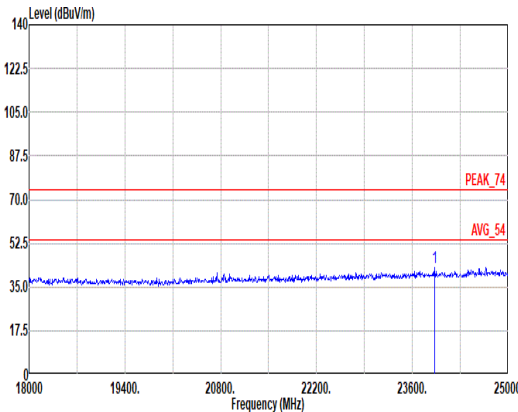
|                    |  |   |
|--------------------|--|---|
| Mode               | 16   |   |
|                    | Harmonic   |   |
|                    | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz  |   |
| ANT                | 1  |   |
| Pol.               | Horizontal   | Vertical  |
| 10G<br>~18G<br>Avg |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 HORIZONTAL</p> |  <p>Site : 03CH20-HY<br/>Condition: AVG_54 3m HF_91280_02360_241101 VERTICAL</p> |



| Mode        | 17  |          |        |        |        |        |        |        |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|-------------|---|----------|--------|--------|--------|--------|--------|--------|--------|--------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|-------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|-------|-------|-------|-------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|--------|-------|-------|------|-------|------|----|------|---|--------|-------|-------|-------|-------|-------|------|-------|------|----|------|
|             | LF  |          |        |        |        |        |        |        |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz   |          |        |        |        |        |        |        |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| ANT         | 1   |          |        |        |        |        |        |        |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| Pol.        | Horizontal  | Vertical |        |        |        |        |        |        |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| QP/<br>Peak | <div><p>Site : 03CH20-HY<br/>Condition: QP 3m Bilog_55606 &amp; 08_241127 HORIZONTAL</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>32.91</td><td>24.04</td><td>40.00</td><td>-15.96</td><td>35.34</td><td>23.21</td><td>1.01</td><td>35.75</td><td>0.23</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>158.04</td><td>29.46</td><td>43.50</td><td>-14.04</td><td>45.92</td><td>16.71</td><td>2.24</td><td>35.59</td><td>0.18</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>224.97</td><td>32.16</td><td>46.00</td><td>-13.84</td><td>48.98</td><td>15.78</td><td>2.66</td><td>35.46</td><td>0.20</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>295.78</td><td>30.09</td><td>46.00</td><td>-15.91</td><td>42.04</td><td>19.30</td><td>3.05</td><td>35.29</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>740.04</td><td>32.94</td><td>46.00</td><td>-13.06</td><td>33.84</td><td>28.07</td><td>4.81</td><td>33.93</td><td>0.15</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>955.38</td><td>35.50</td><td>46.00</td><td>-10.50</td><td>32.17</td><td>30.94</td><td>5.44</td><td>33.14</td><td>0.09</td><td>--</td><td>Peak</td></tr></table></div> |          | Limit  | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 32.91 | 24.04 | 40.00 | -15.96 | 35.34 | 23.21 | 1.01 | 35.75 | 0.23 | -- | Peak | 2 | 158.04 | 29.46 | 43.50 | -14.04 | 45.92 | 16.71 | 2.24 | 35.59 | 0.18 | -- | Peak | 3 | 224.97 | 32.16 | 46.00 | -13.84 | 48.98 | 15.78 | 2.66 | 35.46 | 0.20 | -- | Peak | 4 | 295.78 | 30.09 | 46.00 | -15.91 | 42.04 | 19.30 | 3.05 | 35.29 | 0.19 | -- | Peak | 5 | 740.04 | 32.94 | 46.00 | -13.06 | 33.84 | 28.07 | 4.81 | 33.93 | 0.15 | -- | Peak | 6 | 955.38 | 35.50 | 46.00 | -10.50 | 32.17 | 30.94 | 5.44 | 33.14 | 0.09 | -- | Peak | <div><p>Site : 03CH20-HY<br/>Condition: QP 3m Bilog_55606 &amp; 08_241127 VERTICAL</p><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>Remark</th></tr><tr><th>Freq</th><th>Level</th><th>Line</th><th>Margin</th><th>Level</th><th>Factor</th><th>Loss</th><th>Factor</th><th>Factor</th><th></th></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>51.34</td><td>32.92</td><td>40.00</td><td>-7.08</td><td>53.14</td><td>14.02</td><td>1.26</td><td>35.74</td><td>0.24</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>197.81</td><td>27.58</td><td>43.50</td><td>-15.92</td><td>45.35</td><td>15.03</td><td>2.51</td><td>35.51</td><td>0.20</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>224.97</td><td>33.71</td><td>46.00</td><td>-12.29</td><td>50.53</td><td>15.78</td><td>2.66</td><td>35.46</td><td>0.20</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>508.21</td><td>28.68</td><td>46.00</td><td>-17.32</td><td>35.30</td><td>24.02</td><td>3.98</td><td>34.75</td><td>0.13</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>767.20</td><td>33.29</td><td>46.00</td><td>-12.71</td><td>33.85</td><td>28.22</td><td>4.89</td><td>33.82</td><td>0.15</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>954.41</td><td>36.36</td><td>46.00</td><td>-9.64</td><td>33.03</td><td>30.94</td><td>5.44</td><td>33.14</td><td>0.09</td><td>--</td><td>Peak</td></tr></table></div> |  | Limit | Read | Ant | Cable | Preamp | Aux | APos | TPos | Remark | Freq | Level | Line | Margin | Level | Factor | Loss | Factor | Factor |  |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | cm | deg | 1 | 51.34 | 32.92 | 40.00 | -7.08 | 53.14 | 14.02 | 1.26 | 35.74 | 0.24 | -- | Peak | 2 | 197.81 | 27.58 | 43.50 | -15.92 | 45.35 | 15.03 | 2.51 | 35.51 | 0.20 | -- | Peak | 3 | 224.97 | 33.71 | 46.00 | -12.29 | 50.53 | 15.78 | 2.66 | 35.46 | 0.20 | -- | Peak | 4 | 508.21 | 28.68 | 46.00 | -17.32 | 35.30 | 24.02 | 3.98 | 34.75 | 0.13 | -- | Peak | 5 | 767.20 | 33.29 | 46.00 | -12.71 | 33.85 | 28.22 | 4.89 | 33.82 | 0.15 | -- | Peak | 6 | 954.41 | 36.36 | 46.00 | -9.64 | 33.03 | 30.94 | 5.44 | 33.14 | 0.09 | -- | Peak |
|             |   | Limit    | Read   | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| Freq        | Level   | Line     | Margin | Level  | Factor | Loss   | Factor | Factor |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             | MHz   | dBuV/m   | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 1           | 32.91   | 24.04    | 40.00  | -15.96 | 35.34  | 23.21  | 1.01   | 35.75  | 0.23   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 2           | 158.04  | 29.46    | 43.50  | -14.04 | 45.92  | 16.71  | 2.24   | 35.59  | 0.18   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 3           | 224.97  | 32.16    | 46.00  | -13.84 | 48.98  | 15.78  | 2.66   | 35.46  | 0.20   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 4           | 295.78  | 30.09    | 46.00  | -15.91 | 42.04  | 19.30  | 3.05   | 35.29  | 0.19   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 5           | 740.04  | 32.94    | 46.00  | -13.06 | 33.84  | 28.07  | 4.81   | 33.93  | 0.15   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 6           | 955.38  | 35.50    | 46.00  | -10.50 | 32.17  | 30.94  | 5.44   | 33.14  | 0.09   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             | Limit   | Read     | Ant    | Cable  | Preamp | Aux    | APos   | TPos   | Remark |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| Freq        | Level   | Line     | Margin | Level  | Factor | Loss   | Factor | Factor |        |        |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             | MHz   | dBuV/m   | dBuV/m | dB     | dBuV   | dB/m   | dB     | dB     | cm     | deg    |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 1           | 51.34   | 32.92    | 40.00  | -7.08  | 53.14  | 14.02  | 1.26   | 35.74  | 0.24   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 2           | 197.81  | 27.58    | 43.50  | -15.92 | 45.35  | 15.03  | 2.51   | 35.51  | 0.20   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 3           | 224.97  | 33.71    | 46.00  | -12.29 | 50.53  | 15.78  | 2.66   | 35.46  | 0.20   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 4           | 508.21  | 28.68    | 46.00  | -17.32 | 35.30  | 24.02  | 3.98   | 34.75  | 0.13   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 5           | 767.20  | 33.29    | 46.00  | -12.71 | 33.85  | 28.22  | 4.89   | 33.82  | 0.15   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 6           | 954.41  | 36.36    | 46.00  | -9.64  | 33.03  | 30.94  | 5.44   | 33.14  | 0.09   | --     | Peak   |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |       |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |





| Mode | 18   |        |        |        |        |       |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
|------|--|--------|--------|--------|--------|-------|--|--------|--------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|-------|----|------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--|------|-------|------|--------|-------|--------|------|--------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|-----|---|----------|-------|-------|--------|-------|-------|-------|-------|-------|----|
|      | SHF  |        |        |        |        |       |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
|      | 2400-2483.5_Bluetooth BR_ASK_CH76_2478MHz  |        |        |        |        |       |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
| ANT  | 1  |        |        |        |        |       |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
| Pol. | Horizontal   |        |        |        |        |       | Vertical   |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
| Peak |   |        |        |        |        |       |  |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
|      | Site : 03CH20-HY<br>Condition: PEAK_74 1m BBHA9170_1224_240624 HORIZONTAL  |        |        |        |        |       | Site : 03CH20-HY<br>Condition: PEAK_74 1m BBHA9170_1224_240624 VERTICAL            |        |        |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |
|      | <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>24545.00</td><td>42.35</td><td>74.00</td><td>-31.65</td><td>36.63</td><td>39.30</td><td>28.87</td><td>52.91</td><td>-9.54</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 | 24545.00 | 42.35 | 74.00 | -31.65 | 36.63 | 39.30 | 28.87 | 52.91 | -9.54 | -- | 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>23922.00</td><td>42.86</td><td>74.00</td><td>-31.14</td><td>38.16</td><td>38.70</td><td>28.56</td><td>53.02</td><td>-9.54</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 | 23922.00 | 42.86 | 74.00 | -31.14 | 38.16 | 38.70 | 28.56 | 53.02 | -9.54 | -- |
|      | 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    | 24545.00   | 42.35  | 74.00  | -31.65 | 36.63  | 39.30 | 28.87  | 52.91  | -9.54  | --  | 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    | 23922.00   | 42.86  | 74.00  | -31.14 | 38.16  | 38.70 | 28.56  | 53.02  | -9.54  | --  | Peak  |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |      |  |  |  |  |  |  |       |      |     |       |        |     |      |      |  |      |       |      |        |       |        |      |        |        |        |  |     |        |        |    |      |      |    |    |    |     |   |          |       |       |        |       |       |       |       |       |    |



## Appendix D. Duty Cycle Plots



### Note:

1. Worst case Duty cycle = on time/100 milliseconds =  $2 * 19.8 / 100 = 39.6 \%$
2. Worst case Duty cycle correction factor =  $20 * \log(\text{Duty cycle}) = -8.05 \text{ dB}$

### Duty Cycle Correction Factor Consideration for AFH mode:

The maximum possible ON time:

$$19.8 \text{ ms} \times 2 = 39.6 \text{ ms}$$

Worst case Duty Cycle Correction factor, which is derived from the maximum possible ON time,

$$20 \times \log(39.6 \text{ ms}/100 \text{ ms}) = -8.05 \text{ dB}$$

————THE END————