



# FCC RADIO TEST REPORT

**FCC ID** : UZ7DS8288  
**Equipment** : Cordless Scanner  
**Brand Name** : Zebra  
**Model Name** : DS8288  
**Applicant** : Zebra Technologies Corporation  
3 Overlook Point, Lincolnshire, IL 60069 USA  
**Manufacturer** : Zebra Technologies Corporation  
3 Overlook Point, Lincolnshire, IL 60069 USA  
**Standard** : FCC Part 15 Subpart C §15.247

The product was received on Apr. 21, 2025 and testing was performed from May 06, 2025 to Jun. 09, 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    |
|------------|---------|-------------------------|---------------|
| FR541703A  | 01      | Initial issue of report | Jul. 10, 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               | 9.22 dB under the limit at 953.44 MHz |
| 3.9           | 15.207                       | AC Conducted Emission                              | Pass               | 4.43 dB under the limit at 23.78 MHz  |
| 3.10          | 15.203                       | Antenna Requirement                                | Pass               | -                                     |

**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: Wei Chen**

**Report Producer: Shiori Chen**



# 1 General Description

## 1.1 Product Feature of Equipment Under Test

| Product Feature                 |                     |
|---------------------------------|---------------------|
| Equipment                       | Cordless Scanner    |
| Brand Name                      | Zebra               |
| Model Name                      | DS8288              |
| FCC ID                          | UZ7DS8288           |
| EUT supports Radios application | Bluetooth BR/EDR/LE |
| HW Version                      | PC-002206-03        |
| FW Version                      | CAAGMS00-001-N20D0  |
| MFD                             | 26MAR25             |
| EUT Stage                       | Identical Prototype |

Remark: The EUT's information above is declared by manufacturer.

| Specification of Accessories |            |       |             |                |
|------------------------------|------------|-------|-------------|----------------|
| Battery                      | Brand Name | Zebra | Part Number | BT-000489-0040 |
| Powercap                     | Brand Name | Zebra | Part Number | PP-000489-00   |

| Supported Unit Used in Test Configuration and System |            |       |             |                  |
|------------------------------------------------------|------------|-------|-------------|------------------|
| Cradle 1                                             | Brand Name | Zebra | Part Number | CR8288-SC        |
| Cradle 2                                             | Brand Name | Zebra | Part Number | CR8288-PC        |
| 5V Adapter                                           | Brand Name | Zebra | Part Number | PWR-WUA5V4W0US   |
| 12V Adaptor                                          | Brand Name | Zebra | Part Number | PWR-BGA12V50W0WW |
| USB cable with 12V supply, 7ft                       | Brand Name | Zebra | Model Name  | CBA-U42-S07PAR   |
| USB cable with 5V supply, 7ft                        | Brand Name | Zebra | Model Name  | CBA-U21-S07ZBR   |
| RS232 with 5V supply, 7ft                            | Brand Name | Zebra | Model Name  | CBA-R01-S07PBR   |
| RS232 with 12v supply, 7FT                           | Brand Name | Zebra | Model Name  | CBA-R12-S07PAR   |
| USB-C cable, 7ft                                     | Brand Name | Zebra | Model Name  | CBA-U65-S07ZAR   |

## 1.2 Product Specification of Equipment Under Test

| Product Specification is subject to this standard |                                                                                                                                       |
|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Tx/Rx Channel Frequency Range                     | 2402 MHz ~ 2480 MHz                                                                                                                   |
| Number of Channels                                | 79                                                                                                                                    |
| Maximum Output Power to Antenna                   | Bluetooth BR (1Mbps): 4.94 dBm (0.0031 W)<br>Bluetooth EDR (2Mbps): 5.81 dBm (0.0038 W)<br>Bluetooth EDR (3Mbps): 5.99 dBm (0.0040 W) |
| 99% Occupied Bandwidth                            | Bluetooth BR (1Mbps): 0.920 MHz<br>Bluetooth EDR (2Mbps): 1.190 MHz<br>Bluetooth EDR (3Mbps): 1.176 MHz                               |
| Antenna Type / Gain                               | Chip Antenna with gain 5.05 dBi                                                                                                       |
| Type of Modulation                                | Bluetooth BR (1Mbps): GFSK<br>Bluetooth EDR (2Mbps): $\pi/4$ -DQPSK<br>Bluetooth EDR (3Mbps): 8-DPSK                                  |

## 1.3 Modification of EUT

No modifications made to the EUT during the testing.

## 1.4 Testing Location

|                           |                                                                                                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International Inc. EMC & Wireless Communications Laboratory                                                       |
| <b>Test Site Location</b> | No.52, Huaya 1st Rd., Guishan Dist.,<br>Taoyuan City 333, Taiwan (R.O.C.)<br>TEL: +886-3-327-3456<br>FAX: +886-3-328-4978 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b><br>CO05-HY (TAF Code: 1190)                                                                       |

**Remark:** The AC Conducted Emission test item subcontracted to Sporton International Inc. EMC & Wireless Communications Laboratory.

|                           |                                                                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Test Site</b>          | Sporton International Inc. Wensan Laboratory                                                                                                     |
| <b>Test Site Location</b> | 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 |
| <b>Test Site No.</b>      | <b>Sporton Site No.</b><br>TH05-HY, 03CH20-HY                                                                                                    |

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

FCC designation No.: TW1190 and TW3786

## 1.5 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.
3. This EUT has also been tested and complied with the requirements of FCC Part 15, Subpart B, recorded in a separate test report.

## 2 Test Configuration of Equipment Under Test

### 2.1 Carrier Frequency Channel

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

## 2.2 Test Mode

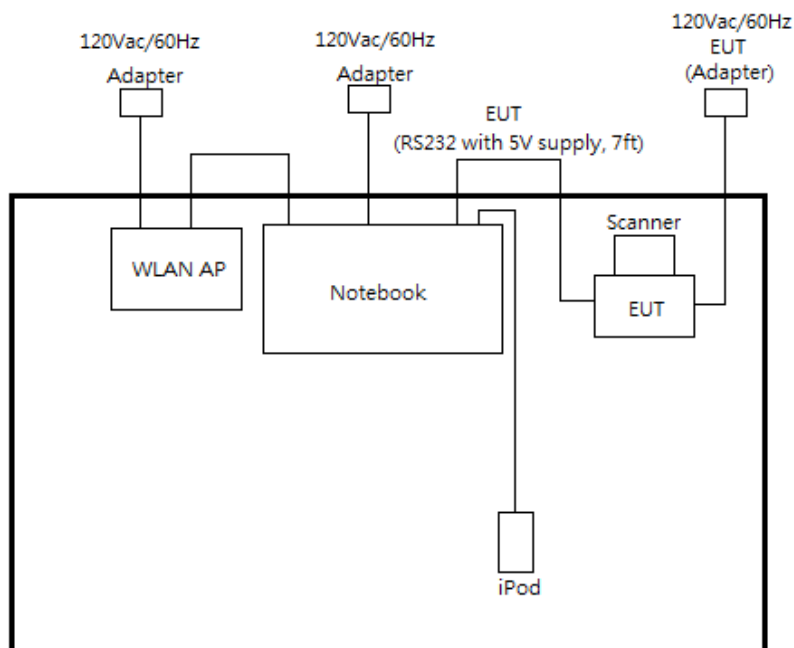
- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower). For radiated measurement, 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 plane, and the worst mode of radiated spurious emissions is Bluetooth 3Mbps mode, and recorded in this report.
- b. AC power line Conducted Emission was tested under maximum output power.

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

| Summary table of Test Cases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                               |                                    |                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|----------------------------|
| Test Item                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Data Rate / Modulation                                                                                                                                                        |                                    |                            |
| Conducted Test Cases                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Bluetooth BR 1Mbps GFSK                                                                                                                                                       | Bluetooth EDR 2Mbps $\pi/4$ -DQPSK | Bluetooth EDR 3Mbps 8-DPSK |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode 1: CH00_2402 MHz                                                                                                                                                         | Mode 4: CH00_2402 MHz              | Mode 7: CH00_2402 MHz      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode 2: CH39_2441 MHz                                                                                                                                                         | Mode 5: CH39_2441 MHz              | Mode 8: CH39_2441 MHz      |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Mode 3: CH78_2480 MHz                                                                                                                                                         | Mode 6: CH78_2480 MHz              | Mode 9: CH78_2480 MHz      |
| AC Conducted Emission                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Mode 1: Cradle (CR8288-SC) RS232 cable (CBA-R12-S07PAR) (Load with NB) + EUT (DS8288) charging with Cradle (CR8288-SC) + Powercap (PP-000489-00) + Adaptor (PWR-BGA12V50W0WW) |                                    |                            |
| <b>Remark:</b><br>1. For Radiated Test Cases, the worst mode data rate 3Mbps was reported only since the highest RF output power in the preliminary tests. The conducted spurious emissions and conducted band edge measurement for other data rates were not worse than 3Mbps, and no other significantly frequencies found in conducted spurious emission.<br>2. For AC Conducted Emission Test Cases, the tests were performed with Cradle 1.<br>3. The detailed Radiated test modes are shown in Appendix C. |                                                                                                                                                                               |                                    |                            |

## 2.3 Connection Diagram of Test System

### <AC Conducted Emission Mode>



### <Bluetooth 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.   | WLAN AP   | ASUS       | RT-AC66U      | MSQ-RTAC66U | Unshielded, 1.8m                                     | N/A        |
| 2.   | iPod      | Apple      | A1285         | DoC         | Shielded, 1.0m                                       | N/A        |
| 3.   | NOTE BOOK | Dell       | Latitude 3420 | FCC DoC     | AC I/P : Unshielded, 1.2m<br>DC O/P : Shielded, 1.8m | N/A        |



## 2.5 EUT Operation Test Setup

The RF test items, utility BT Regulatory Test APP: 2.2.0.0 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.

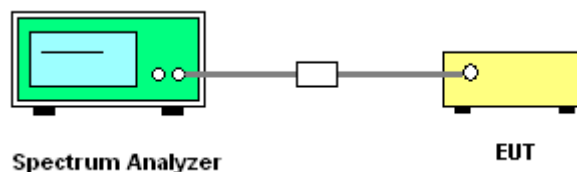
##### 3.1.2 Measuring Instruments

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.

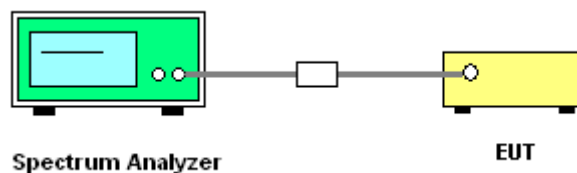
### 3.2.2 Measuring Instruments

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.

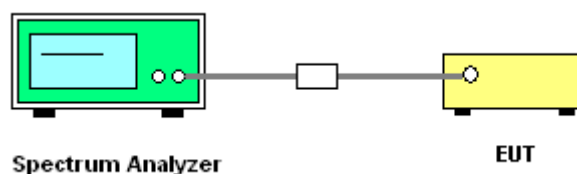
#### 3.3.2 Measuring Instruments

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

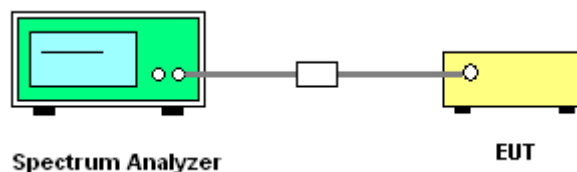
#### 3.4.2 Measuring Instruments

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  $\geq$  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.

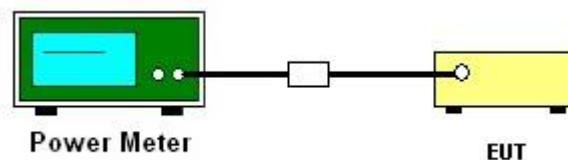
### **3.5.2 Measuring Instruments**

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. Measure and record the results in the test report.

### **3.5.4 Test Setup**



### **3.5.5 Test Result of Peak Output Power**

Please refer to Appendix A.

### **3.5.6 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.

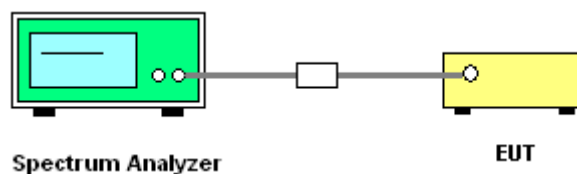
### 3.6.2 Measuring Instruments

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.

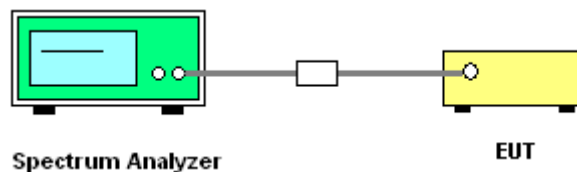
### 3.7.2 Measuring Instruments

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.

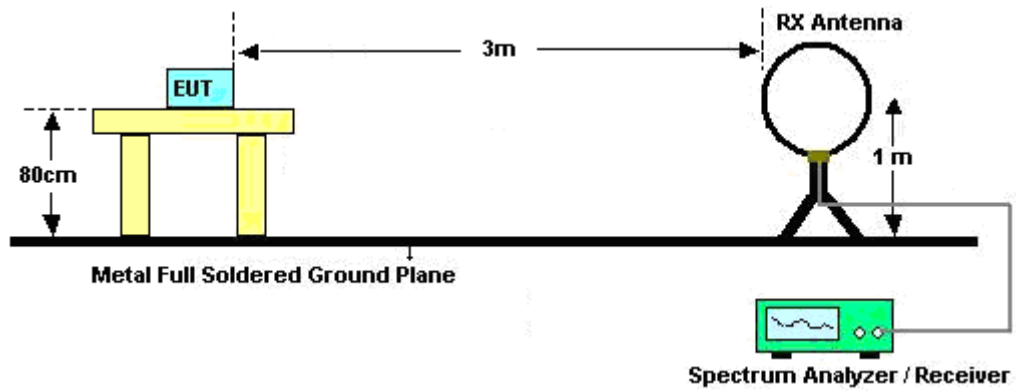
### 3.8.3 Test Procedures

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: use duty cycle correction factor method per 15.35(c).  
Duty cycle = On time/100 milliseconds  
$$\text{On time} = N_1 \cdot L_1 + N_2 \cdot L_2 + \dots + N_{n-1} \cdot L_{n-1} + N_n \cdot L_n$$
  
Where  $N_1$  is number of type 1 pulses,  $L_1$  is length of type 1 pulses, etc.  
Average Emission Level = Peak Emission Level +  $20 \cdot \log(\text{Duty cycle})$
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 “-”.

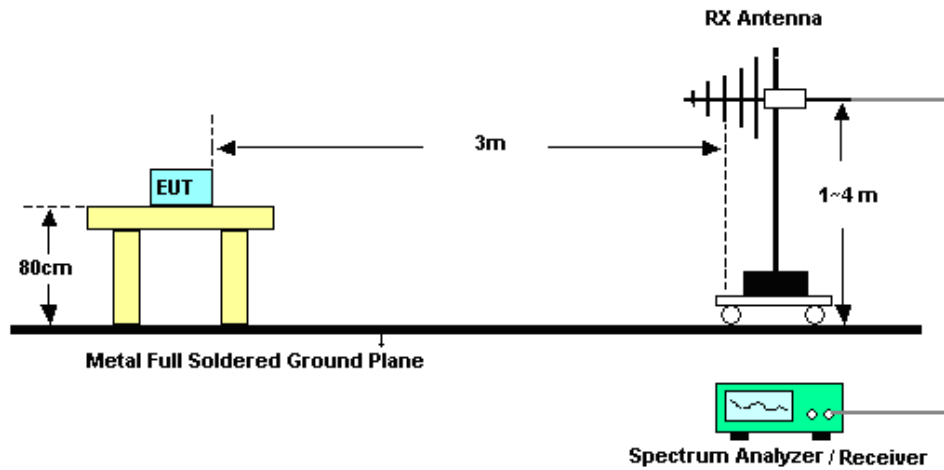
Note: The average levels are calculated from the peak level corrected with duty cycle correction factor (-24.76dB) derived from  $20 \log(\text{dwell time}/100\text{ms})$ . This correction is only for signals that hop with the fundamental signal, such as band-edge and harmonic. Other spurious signals that are independent of the hopping signal would not use this correction.

### 3.8.4 Test Setup

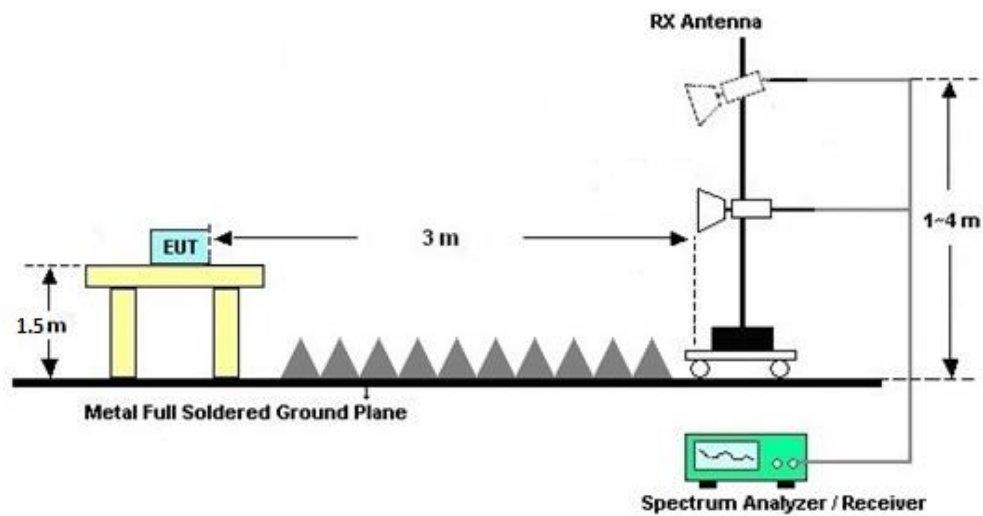
For radiated test below 30MHz



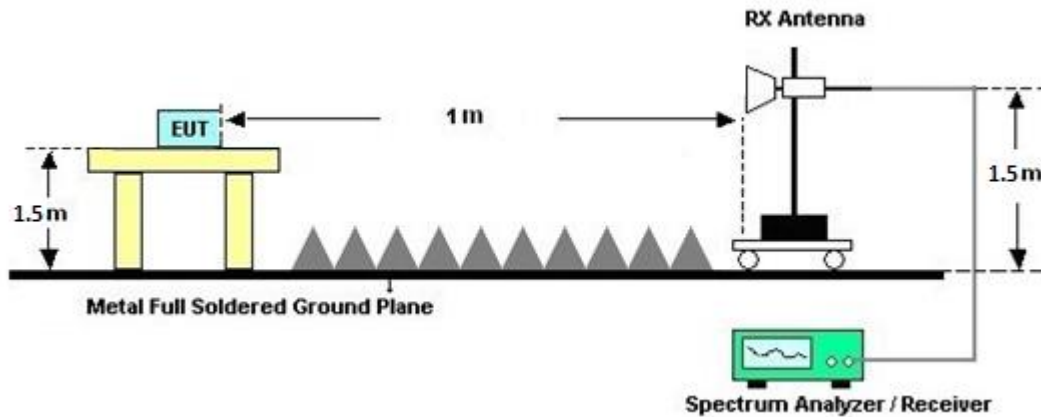
For radiated test from 30MHz to 1GHz



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.

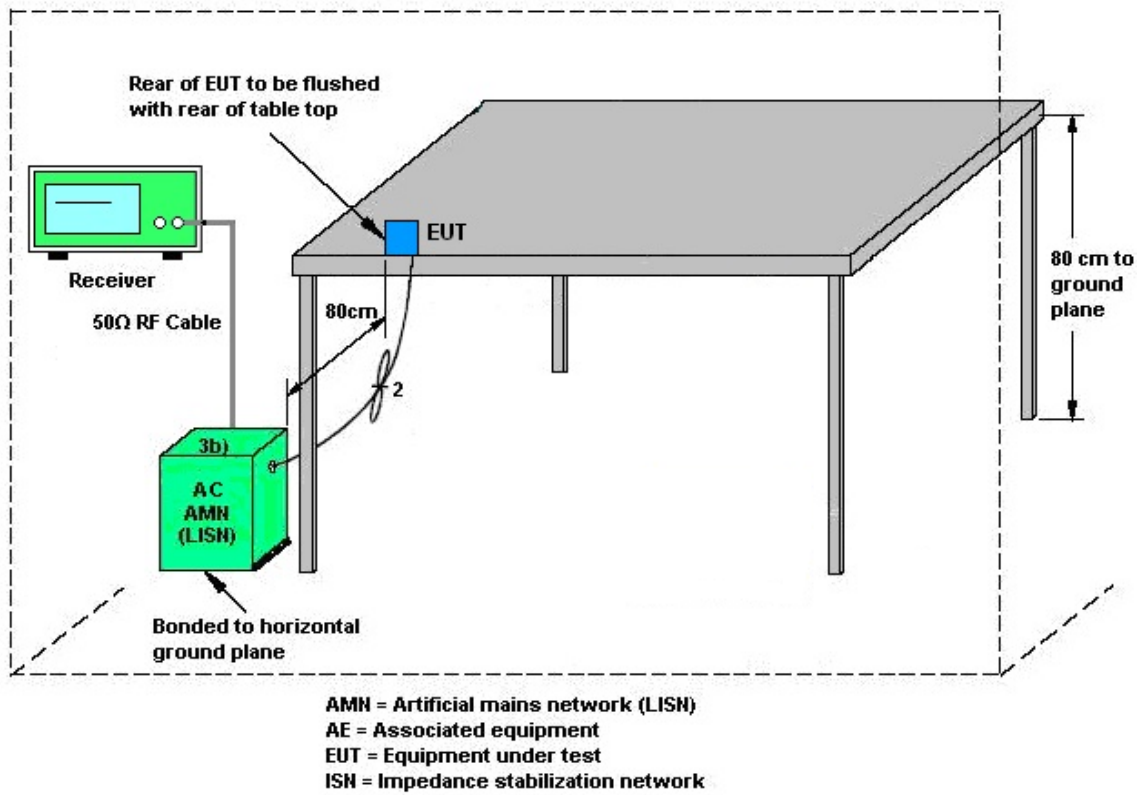
#### 3.9.2 Measuring Instruments

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                  |
|--------------------------|-----------------|-----------------------------|------------------|------------------------------|------------------|--------------------------------|---------------|-------------------------|
| AC Power Source          | ChainTek        | APC-1000W                   | N/A              | N/A                          | N/A              | May 06, 2025~<br>Jun. 09, 2025 | N/A           | Conduction<br>(CO05-HY) |
| Hygrometer               | Testo           | 608-H1                      | 34913912         | N/A                          | Oct. 14, 2024    | May 06, 2025~<br>Jun. 09, 2025 | Oct. 13, 2025 | Conduction<br>(CO05-HY) |
| LISN                     | Rohde & Schwarz | ENV216                      | 100080           | 9kHz~30MHz                   | Dec. 12, 2024    | May 06, 2025~<br>Jun. 09, 2025 | Dec. 11, 2025 | Conduction<br>(CO05-HY) |
| LISN                     | Rohde & Schwarz | ENV216                      | 100081           | 9kHz~30MHz                   | Nov. 14, 2024    | May 06, 2025~<br>Jun. 09, 2025 | Nov. 13, 2025 | Conduction<br>(CO05-HY) |
| Software                 | Rohde & Schwarz | EMC32                       | N/A              | N/A                          | N/A              | May 06, 2025~<br>Jun. 09, 2025 | N/A           | Conduction<br>(CO05-HY) |
| Pulse Limiter            | SCHWARZBECK     | VTSD 9561-FN                | 00691            | N/A                          | Jul. 30, 2024    | May 06, 2025~<br>Jun. 09, 2025 | Jul. 29, 2025 | Conduction<br>(CO05-HY) |
| LISN Cable               | MVE             | RG-400                      | MQT24082501      | N/A                          | Oct. 15, 2024    | May 06, 2025~<br>Jun. 09, 2025 | Oct. 14, 2025 | Conduction<br>(CO05-HY) |
| Hygrometer               | TECPEL          | DTM-303A                    | TP201996         | N/A                          | Nov. 01, 2024    | May 19, 2025~<br>May. 27, 2025 | Oct. 31, 2025 | Conducted<br>(TH05-HY)  |
| Power Meter              | Agilent         | E4416A                      | GB41292344       | N/A                          | Jun. 26, 2024    | May 19, 2025~<br>May. 27, 2025 | Jun. 25, 2025 | Conducted<br>(TH05-HY)  |
| Power Sensor             | Agilent         | E9327A                      | US40441548       | 50MHz~18GHz                  | Jun. 25, 2024    | May 19, 2025~<br>May. 27, 2025 | Jun. 24, 2025 | Conducted<br>(TH05-HY)  |
| Signal Analyzer          | Rohde & Schwarz | FSV3044                     | 101467           | 10HZ~44GHZ                   | Jan. 14, 2025    | May 19, 2025~<br>May. 27, 2025 | Jan. 13, 2026 | Conducted<br>(TH05-HY)  |
| Switch Control Mainframe | E-Instument     | ETF-1405-0                  | EC1900157 (BOX6) | N/A                          | Feb. 10, 2025    | May 19, 2025~<br>May. 27, 2025 | Feb. 09, 2026 | Conducted<br>(TH05-HY)  |
| Software                 | Sporton         | BTWIFI_Final_version_240513 | N/A              | Conducted<br>Other Test Item | N/A              | May 19, 2025~<br>May. 27, 2025 | N/A           | Conducted<br>(TH05-HY)  |



| Instrument           | Brand Name      | Model No.                       | Serial No.                         | Characteristics               | Calibration Date | Test Date                     | Due Date      | Remark                   |
|----------------------|-----------------|---------------------------------|------------------------------------|-------------------------------|------------------|-------------------------------|---------------|--------------------------|
| EMI Test Receiver    | Keysight        | N9038A(MXE)                     | MY57290111                         | N/A                           | Nov. 22, 2024    | May 16, 2025~<br>May 23, 2025 | Nov. 21, 2025 | Radiation<br>(03CH20-HY) |
| Loop Antenna         | Rohde & Schwarz | HFH2-Z2                         | 100488                             | 9 kHz~30 MHz                  | Aug. 29, 2024    | May 16, 2025~<br>May 23, 2025 | Aug. 28, 2025 | Radiation<br>(03CH20-HY) |
| Preamplifier         | EMEC            | EM18G40G                        | 060871                             | 18GHz~40GHz                   | Aug. 23, 2024    | May 16, 2025~<br>May 23, 2025 | Aug. 22, 2025 | Radiation<br>(03CH20-HY) |
| Controller           | ChainTek        | 3000-1                          | N/A                                | Control Turn table & Ant Mast | N/A              | May 16, 2025~<br>May 23, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Antenna Mast         | ChainTek        | MBS-520-1                       | N/A                                | 1m~4m                         | N/A              | May 16, 2025~<br>May 23, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Turn Table           | ChainTek        | T-200-S-1                       | N/A                                | 0~360 Degree                  | N/A              | May 16, 2025~<br>May 23, 2025 | N/A           | Radiation<br>(03CH20-HY) |
| Signal Analyzer      | Keysight        | N9010B                          | MY60240520                         | N/A                           | Dec. 09, 2024    | May 16, 2025~<br>May 23, 2025 | Dec. 08, 2025 | Radiation<br>(03CH20-HY) |
| Bilog Antenna        | TESEQ           | CBL<br>6111D&00800<br>N1D01N-06 | 55606 & 08                         | 30MHz~1GHz                    | Nov. 27, 2024    | May 16, 2025~<br>May 23, 2025 | Nov. 26, 2025 | Radiation<br>(03CH20-HY) |
| Horn Antenna         | SCHWARZBECK     | BBHA 9120 D                     | 02360                              | 1GHz-18GHz                    | Nov. 01, 2024    | May 16, 2025~<br>May 23, 2025 | Oct. 31, 2025 | Radiation<br>(03CH20-HY) |
| SHF-EHF Horn Antenna | SCHWARZBECK     | BBHA 9170                       | 1225                               | 18GHz-40GHz                   | Jun. 24, 2024    | May 16, 2025~<br>May 23, 2025 | Jun. 23, 2025 | Radiation<br>(03CH20-HY) |
| Preamplifier         | COM-POWER       | PAM-103                         | 18020201                           | 1MHz-1000MHz                  | Dec. 31, 2024    | May 16, 2025~<br>May 23, 2025 | Dec. 30, 2025 | Radiation<br>(03CH20-HY) |
| Amplifier            | EMCI            | EMC118A45S<br>E                 | 980792                             | N/A                           | Nov. 12, 2024    | May 16, 2025~<br>May 23, 2025 | Nov. 11, 2025 | Radiation<br>(03CH20-HY) |
| RF Cable             | HUBER + SUHNER  | SUCOFLEX<br>102                 | 519229/2,804<br>015/2,804027<br>/2 | N/A                           | Jan. 16, 2025    | May 16, 2025~<br>May 23, 2025 | Jan. 15, 2026 | Radiation<br>(03CH20-HY) |
| Hygrometer           | TECEPEL         | DTM-303A                        | TP215159                           | N/A                           | Sep. 10, 2024    | May 16, 2025~<br>May 23, 2025 | Sep. 09, 2025 | Radiation<br>(03CH20-HY) |
| Software             | Audix           | N/A                             | RK-002156                          | N/A                           | N/A              | May 16, 2025~<br>May 23, 2025 | N/A           | Radiation<br>(03CH20-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: | Derek Hsu             | Temperature:       | 21~25 | °C |
| Test Date:     | 2025/05/19~2025/05/27 | 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 |
|------|-----------|-----|-----|-------------|---------------|---------------------|----------------------------------------------|----------------------------------------------------|-----------|
| DH   | 1Mbps     | 1   | 0   | 2402        | 1.051         | 0.919               | 0.999                                        | 0.7004                                             | Pass      |
| DH   | 1Mbps     | 1   | 39  | 2441        | 1.053         | 0.920               | 0.999                                        | 0.7018                                             | Pass      |
| DH   | 1Mbps     | 1   | 78  | 2480        | 1.054         | 0.920               | 0.990                                        | 0.7028                                             | Pass      |
| 2DH  | 2Mbps     | 1   | 0   | 2402        | 1.347         | 1.188               | 1.007                                        | 0.8982                                             | Pass      |
| 2DH  | 2Mbps     | 1   | 39  | 2441        | 1.349         | 1.190               | 0.999                                        | 0.8994                                             | Pass      |
| 2DH  | 2Mbps     | 1   | 78  | 2480        | 1.350         | 1.190               | 0.981                                        | 0.9002                                             | Pass      |
| 3DH  | 3Mbps     | 1   | 0   | 2402        | 1.314         | 1.176               | 0.994                                        | 0.8762                                             | Pass      |
| 3DH  | 3Mbps     | 1   | 39  | 2441        | 1.309         | 1.176               | 0.994                                        | 0.8728                                             | Pass      |
| 3DH  | 3Mbps     | 1   | 78  | 2480        | 1.307         | 1.176               | 0.999                                        | 0.8716                                             | 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 |
|------------|-----------------------------|---------------------------------|------------------------------|------------------|--------------|-----------|
| 2DH5       | 79                          | 106.670                         | 2.90                         | 0.31             | 0.4          | Pass      |
| 2DH5 (AFH) | 20                          | 53.330                          | 2.90                         | 0.15             | 0.4          | Pass      |

**TEST RESULTS DATA*****Peak Power Table***

| DH   | CH. | NTX | Peak Power (dBm) | Power Limit (dBm) | Test Result |
|------|-----|-----|------------------|-------------------|-------------|
| DH1  | 0   | 1   | 4.85             | 20.97             | Pass        |
|      | 39  | 1   | 4.90             | 20.97             | Pass        |
|      | 78  | 1   | 4.94             | 20.97             | Pass        |
| 2DH1 | 0   | 1   | 5.45             | 20.97             | Pass        |
|      | 39  | 1   | 5.62             | 20.97             | Pass        |
|      | 78  | 1   | 5.81             | 20.97             | Pass        |
| 3DH1 | 0   | 1   | 5.59             | 20.97             | Pass        |
|      | 39  | 1   | 5.89             | 20.97             | Pass        |
|      | 78  | 1   | 5.99             | 20.97             | Pass        |

**TEST RESULTS DATA*****Average Power Table  
(Reporting Only)***

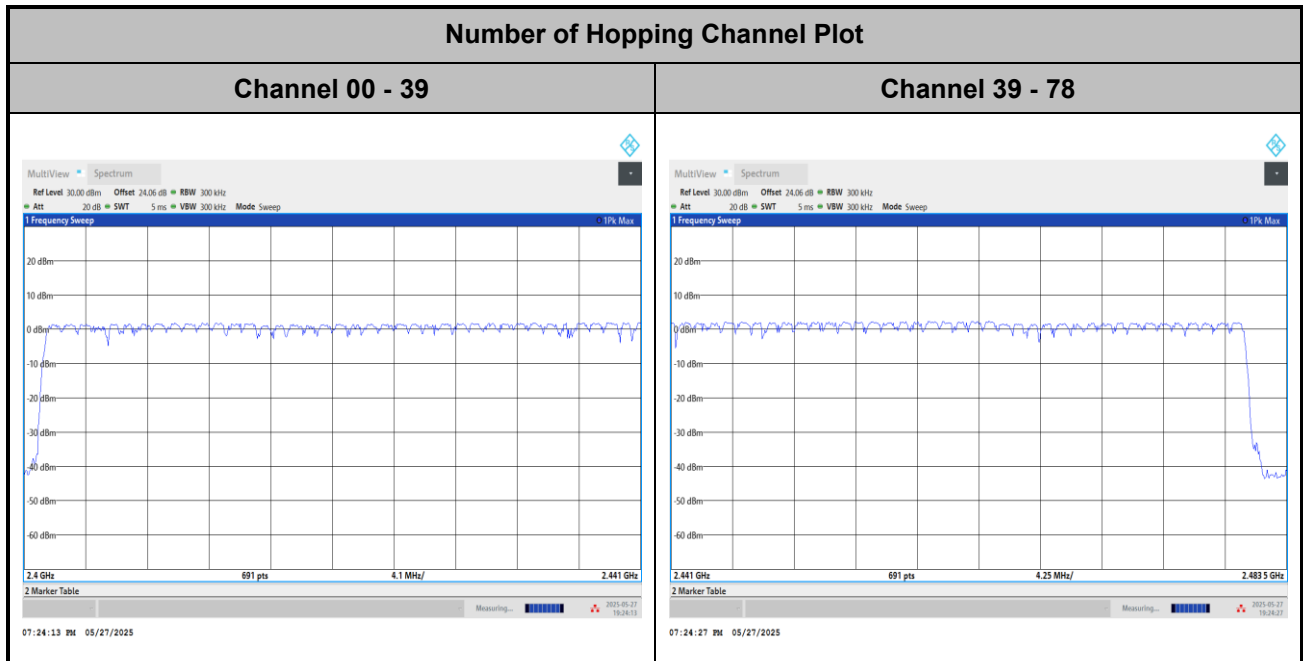
| DH   | CH. | NTX | Average Power (dBm) | Duty Factor (dB) |
|------|-----|-----|---------------------|------------------|
| DH1  | 0   | 1   | 3.54                | 5.14             |
|      | 39  | 1   | 3.64                | 5.14             |
|      | 78  | 1   | 3.79                | 5.14             |
| 2DH1 | 0   | 1   | 2.12                | 5.06             |
|      | 39  | 1   | 2.48                | 5.06             |
|      | 78  | 1   | 2.59                | 5.06             |
| 3DH1 | 0   | 1   | 2.15                | 5.06             |
|      | 39  | 1   | 2.51                | 5.06             |
|      | 78  | 1   | 2.68                | 5.06             |

**TEST RESULTS DATA*****Number of Hopping Frequency***

| Number of Hopping (Channel) | Adaptive Frequency Hopping (Channel) | Limits (Channel) | Pass/Fail |
|-----------------------------|--------------------------------------|------------------|-----------|
| 79                          | 20                                   | > 15             | Pass      |

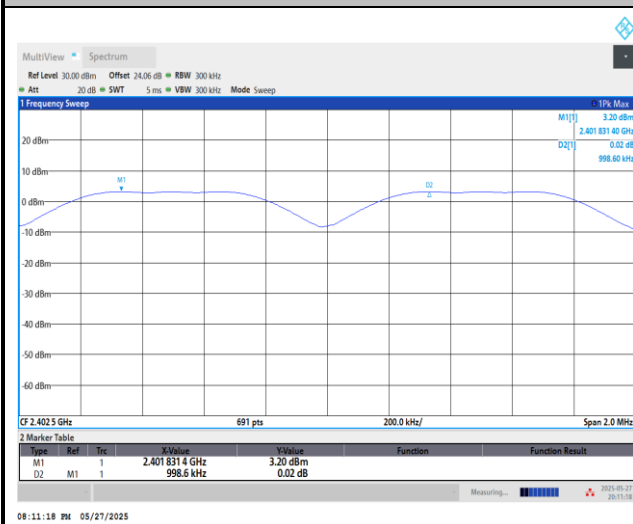
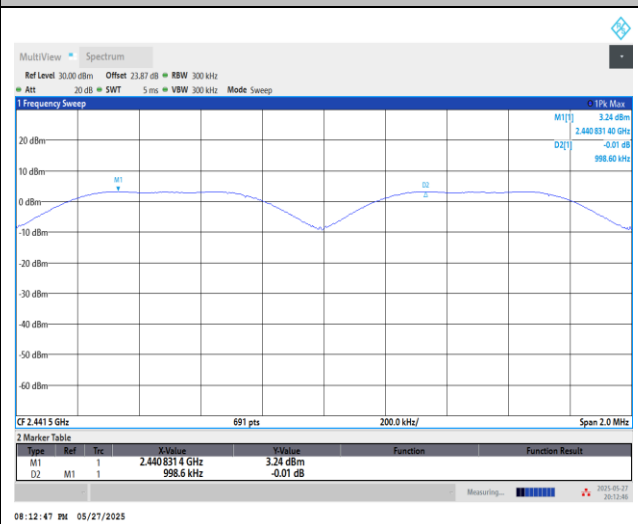
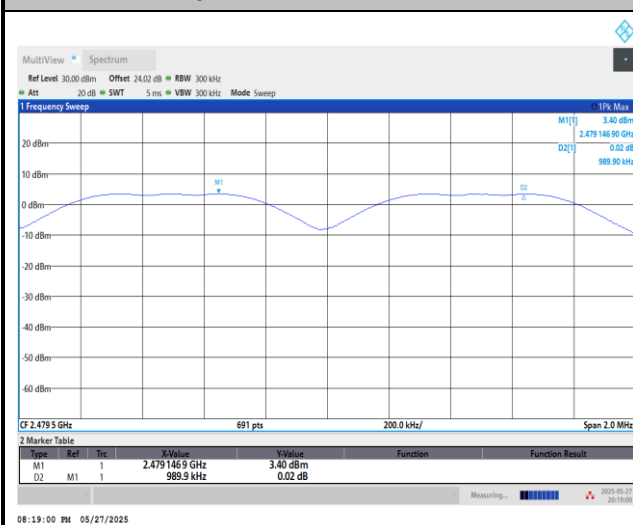


Number of Hopping Frequency



**Hopping Channel Separation**

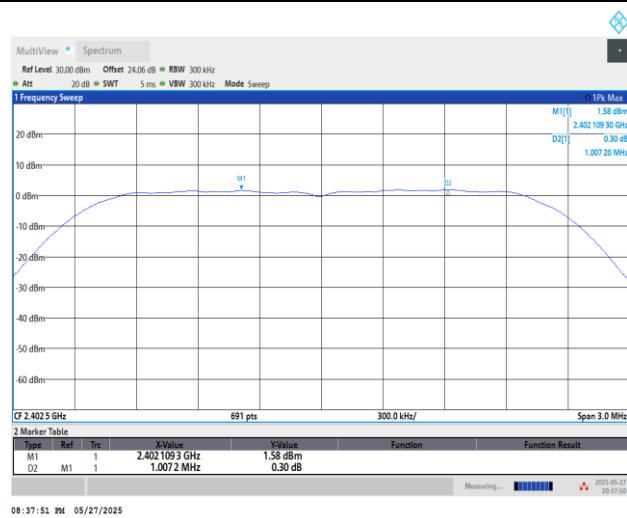
&lt;1Mbps&gt;

**Channel Separation Plot on Channel 00 - 01****Channel Separation Plot on Channel 39 - 40****Channel Separation Plot on Channel 77 - 78**

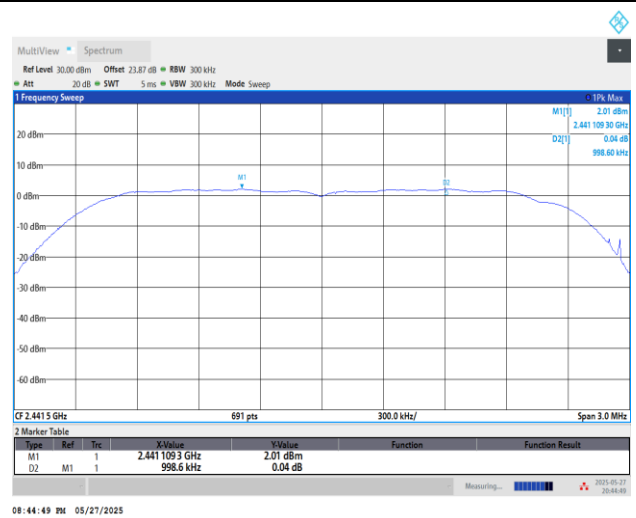


&lt;2Mbps&gt;

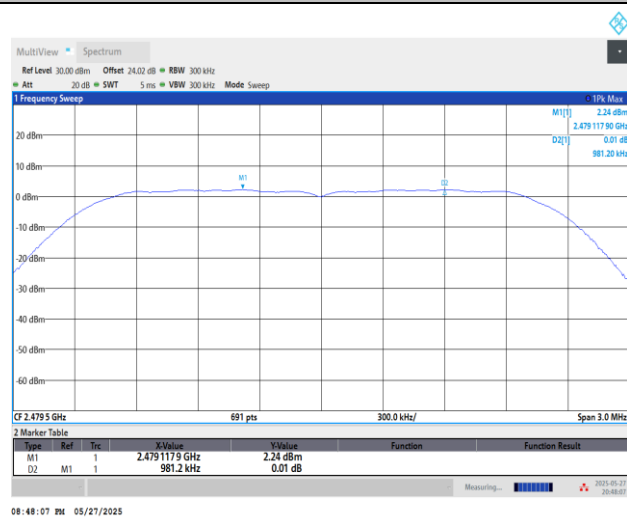
Channel Separation Plot on Channel 00 - 01



Channel Separation Plot on Channel 39 - 40



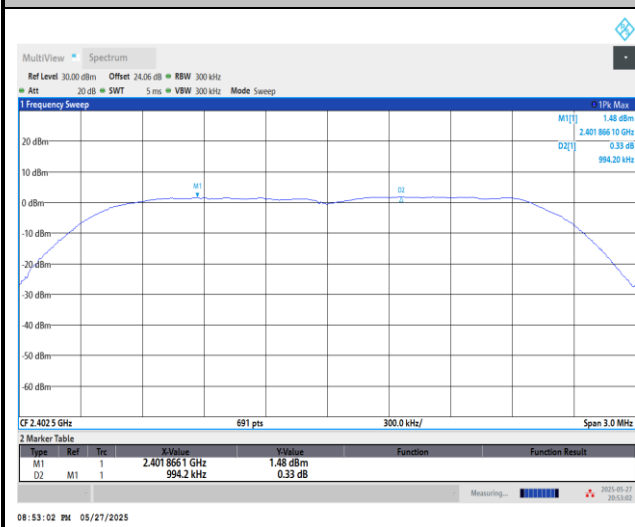
Channel Separation Plot on Channel 77 - 78



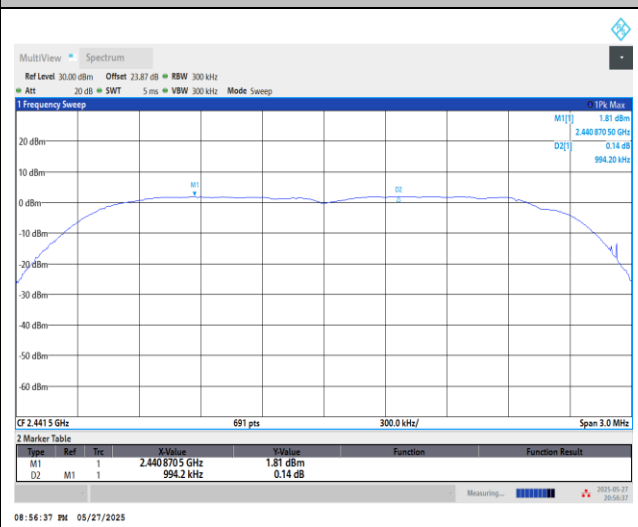


<3Mbps>

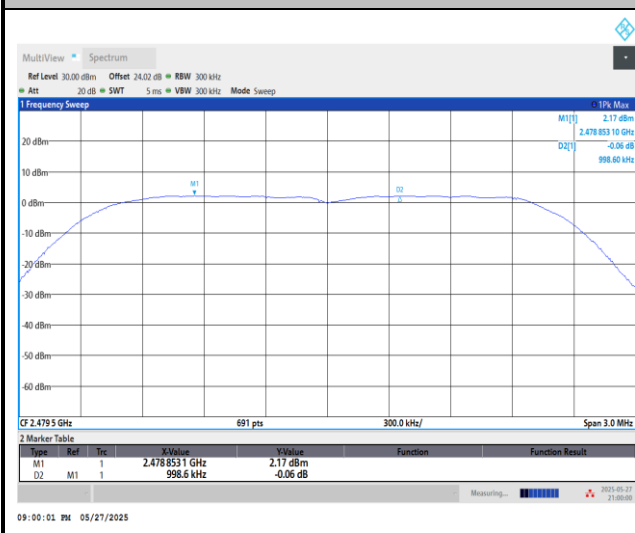
Channel Separation Plot on Channel 00 - 01

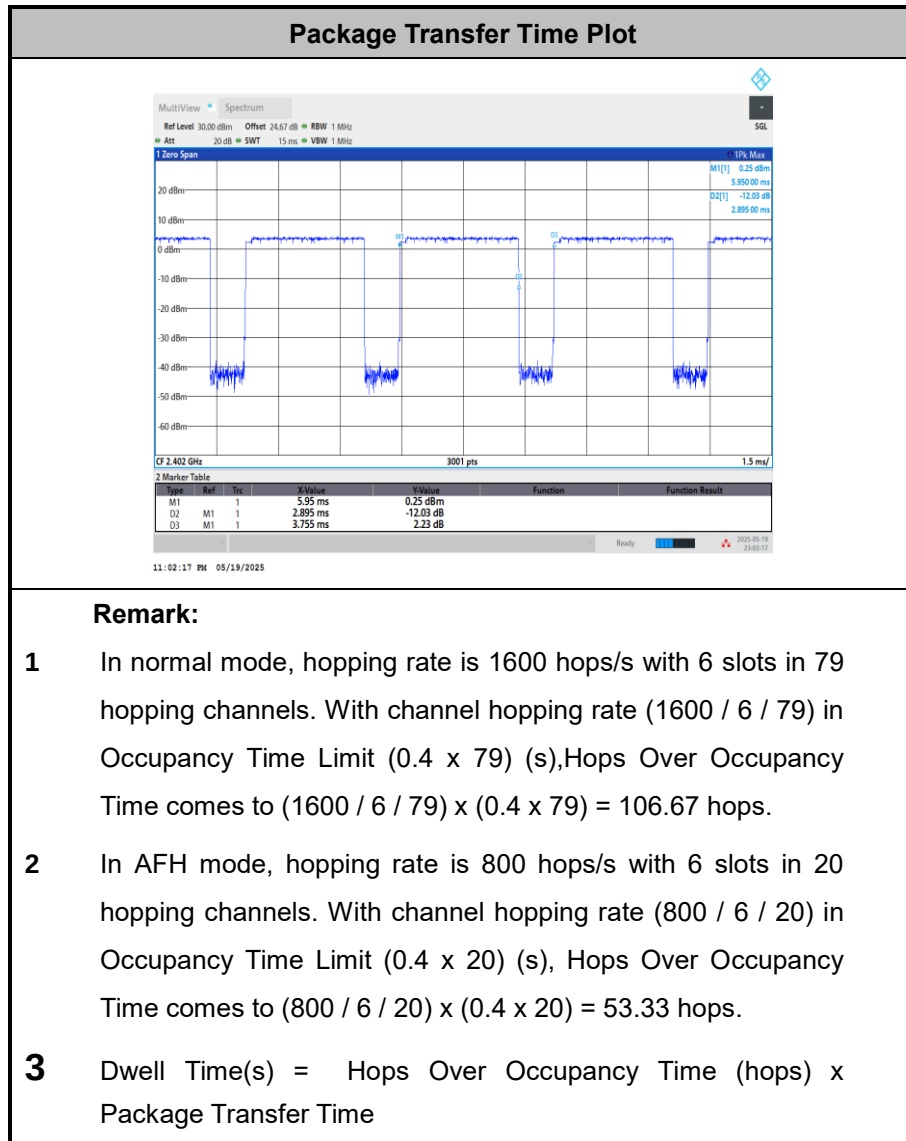


Channel Separation Plot on Channel 39 - 40



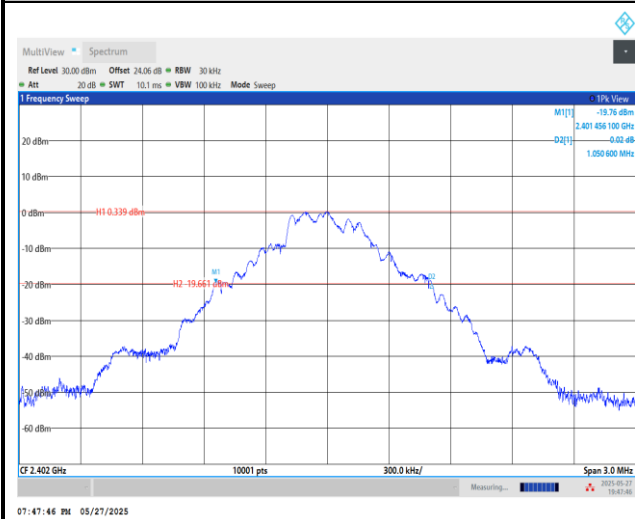
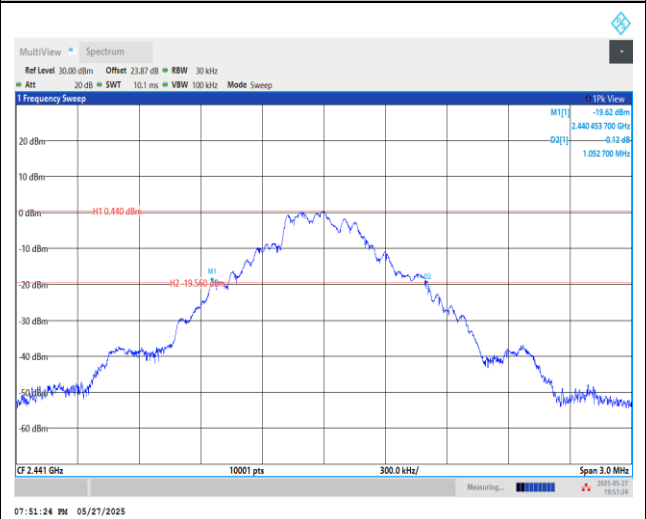
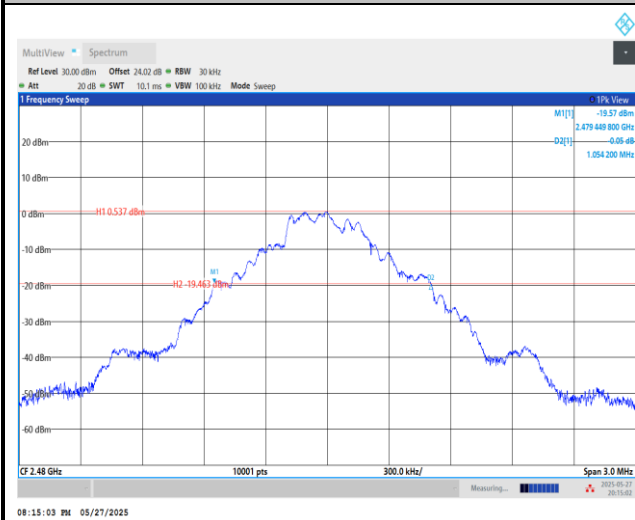
Channel Separation Plot on Channel 77 - 78



**Dwell Time**


**20dB Bandwidth**

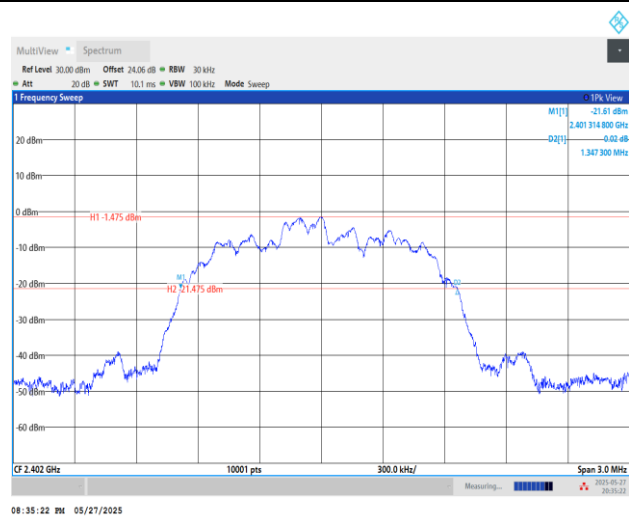
&lt;1Mbps&gt;

**20 dB Bandwidth Plot in Channel 00****20 dB Bandwidth Plot in Channel 39****20 dB Bandwidth Plot in Channel 78**

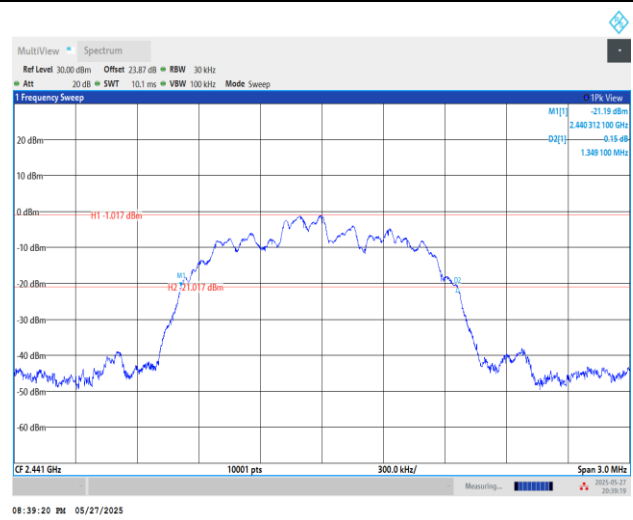


<2Mbps>

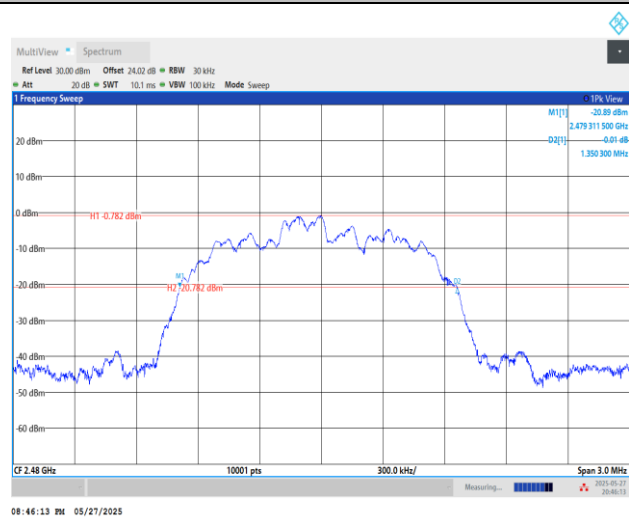
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39



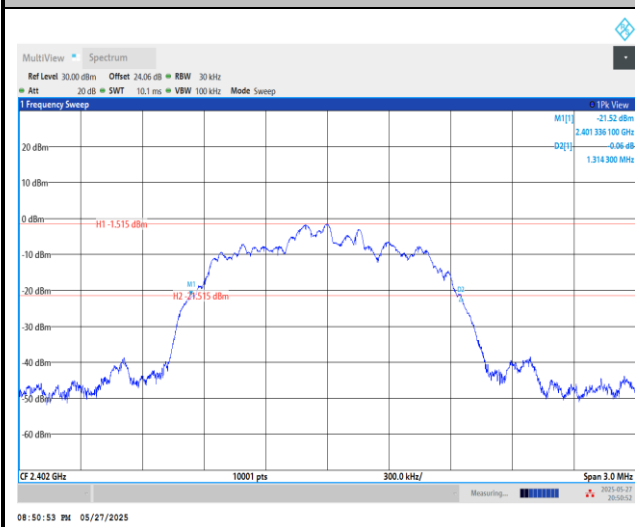
20 dB Bandwidth Plot in Channel 78



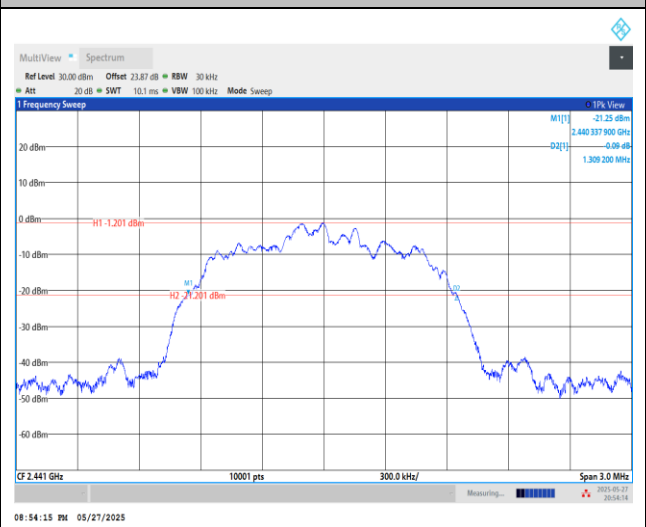


<3Mbps>

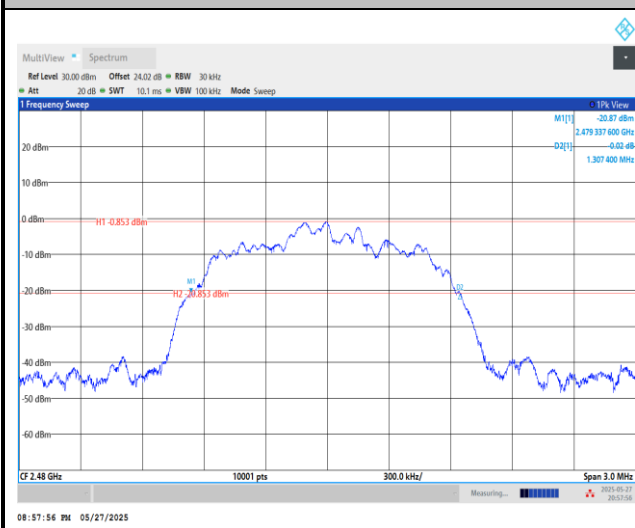
20 dB Bandwidth Plot in Channel 00



20 dB Bandwidth Plot in Channel 39

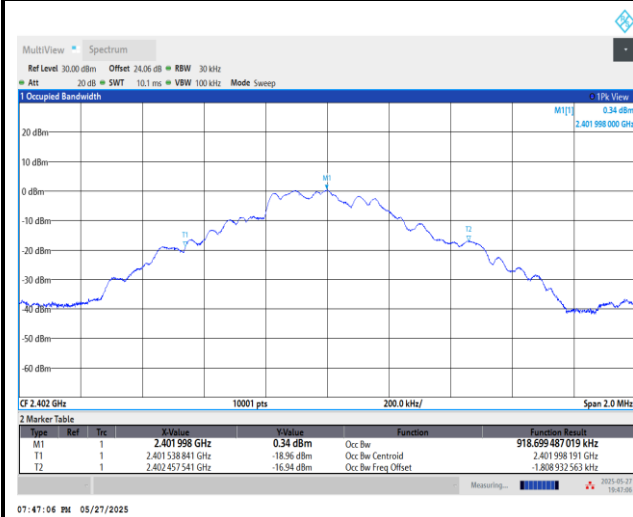
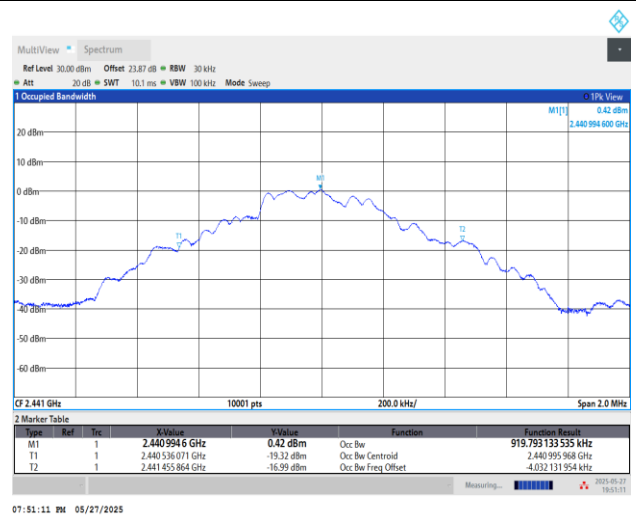
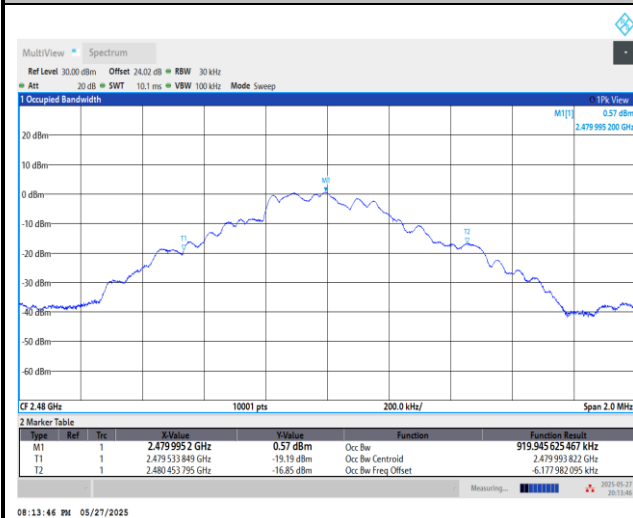


20 dB Bandwidth Plot in Channel 78



**99% Occupied Bandwidth**

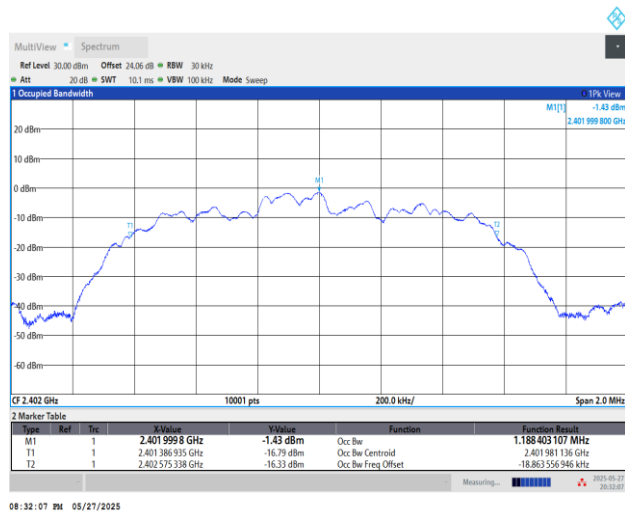
&lt;1Mbps&gt;

**99% Occupied Bandwidth on Channel 00****99% Occupied Bandwidth on Channel 39****99% Occupied Bandwidth on Channel 78**

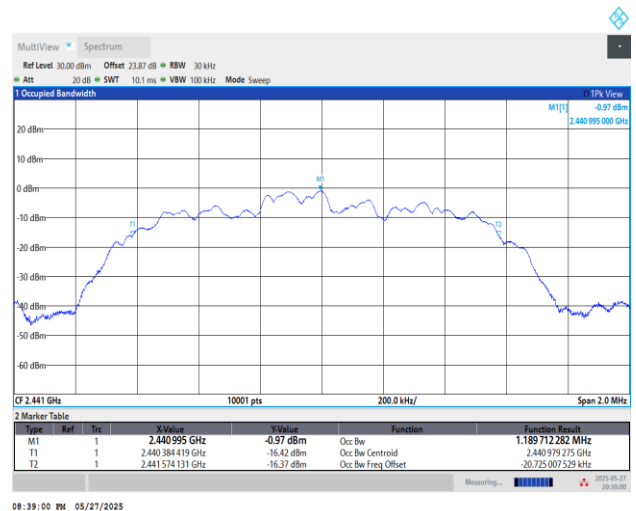


&lt;2Mbps&gt;

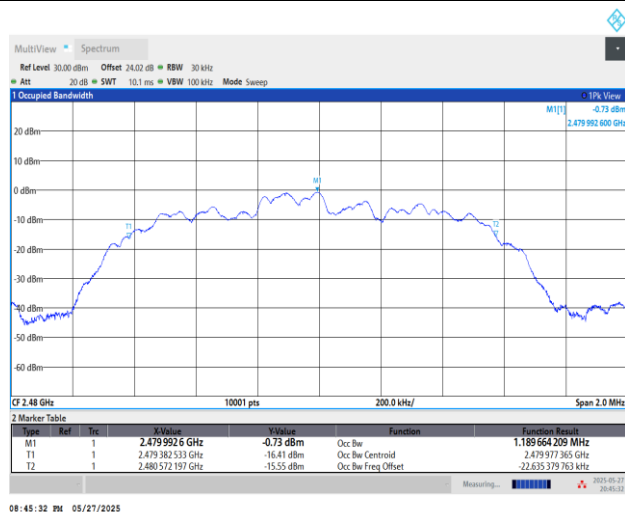
## 99% Occupied Bandwidth on Channel 00



## 99% Occupied Bandwidth on Channel 39



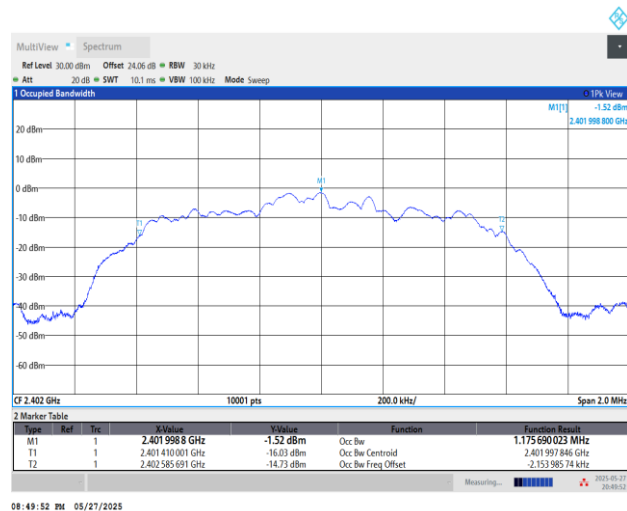
## 99% Occupied Bandwidth on Channel 78





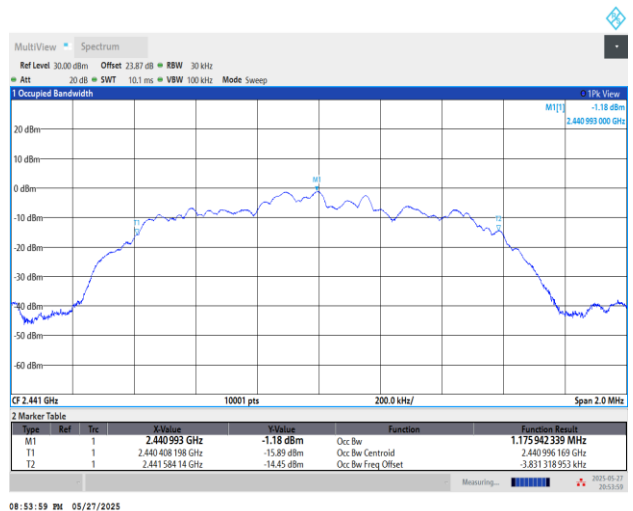
&lt;3Mbps&gt;

## 99% Occupied Bandwidth on Channel 00



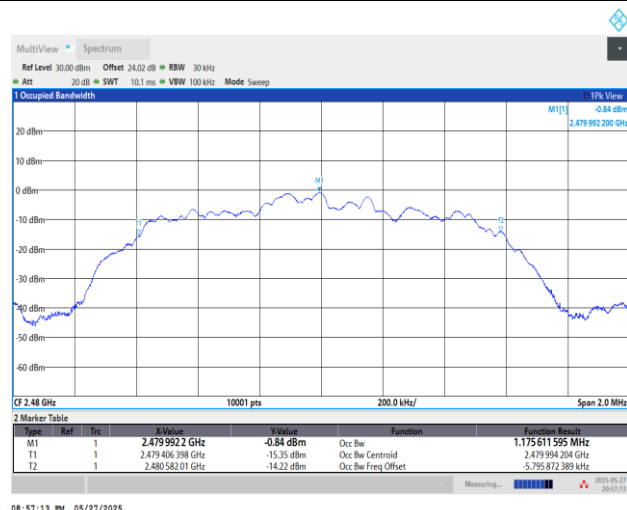
08:49:52 PM 05/27/2025

## 99% Occupied Bandwidth on Channel 39



08:53:59 PM 05/27/2025

## 99% Occupied Bandwidth on Channel 78

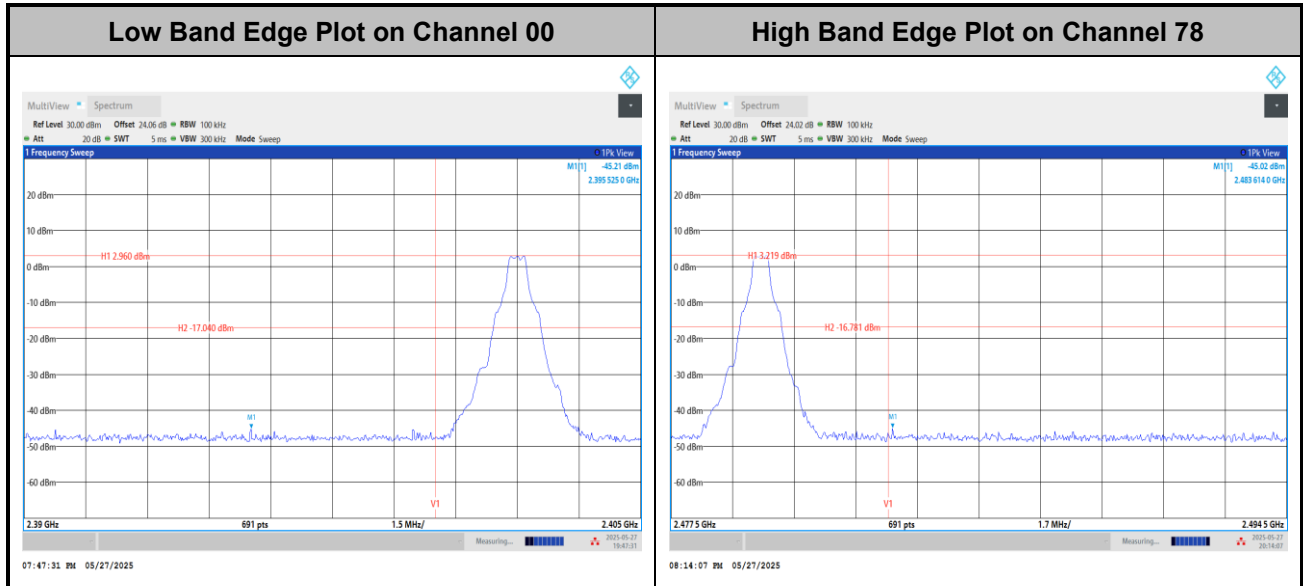


08:57:13 PM 05/27/2025



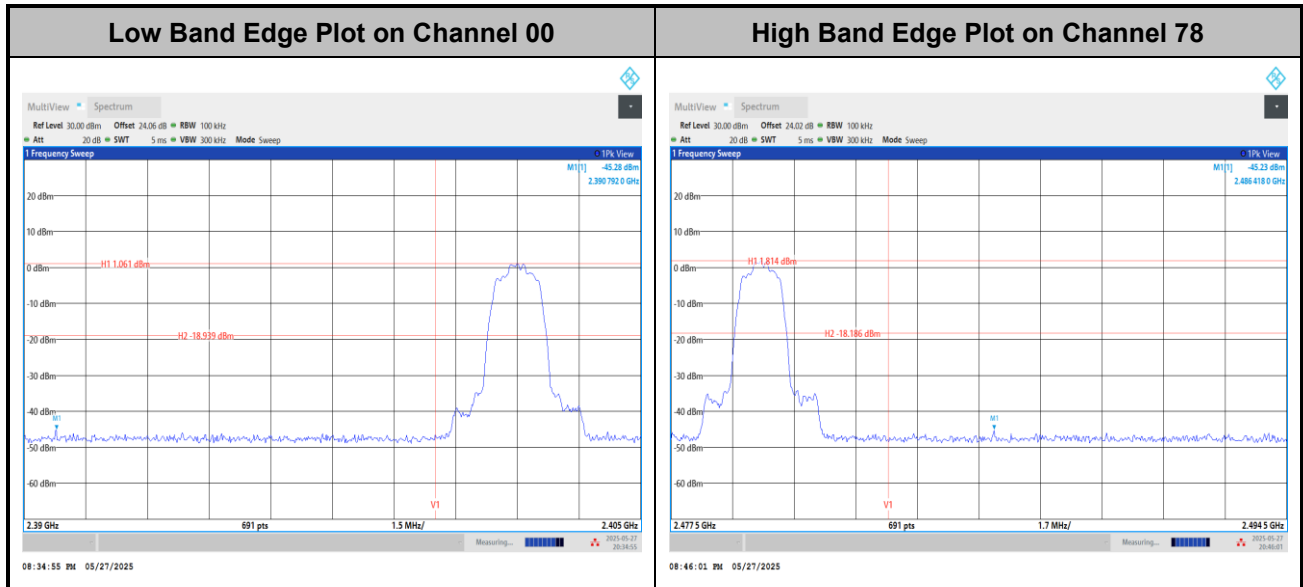
## Band Edges

<1Mbps>



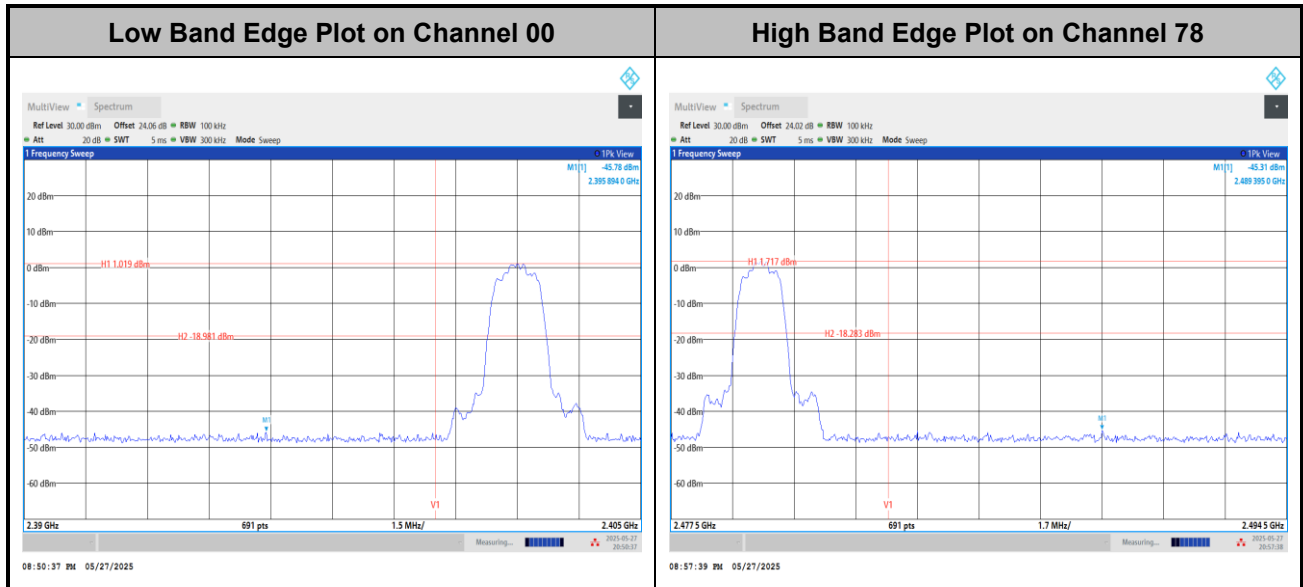


<2Mbps>





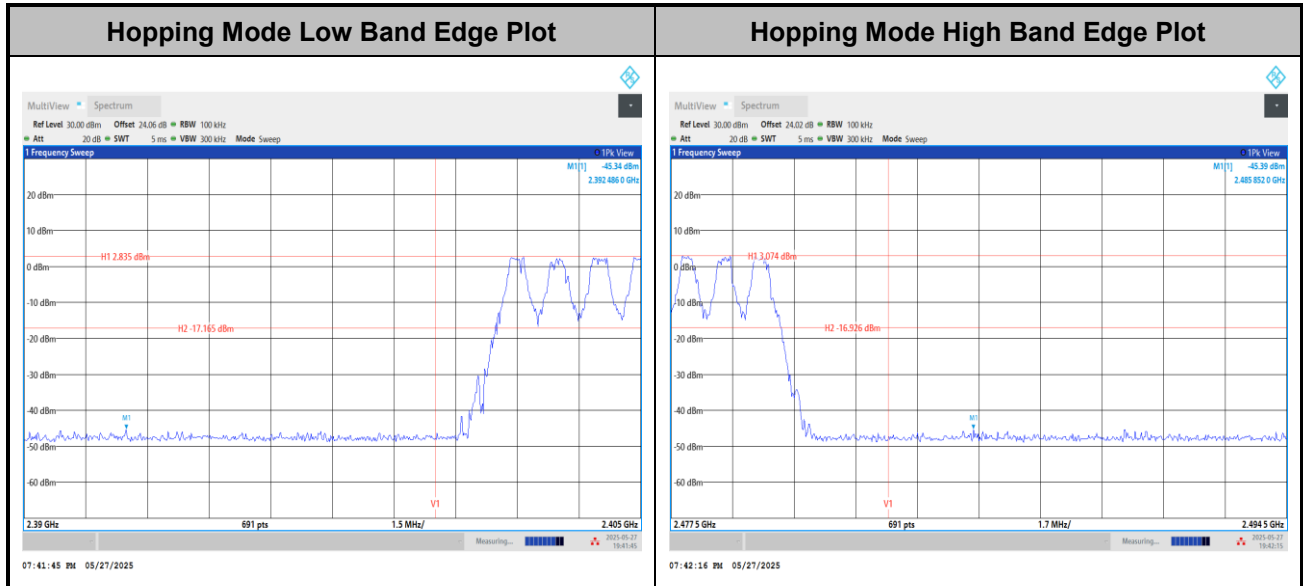
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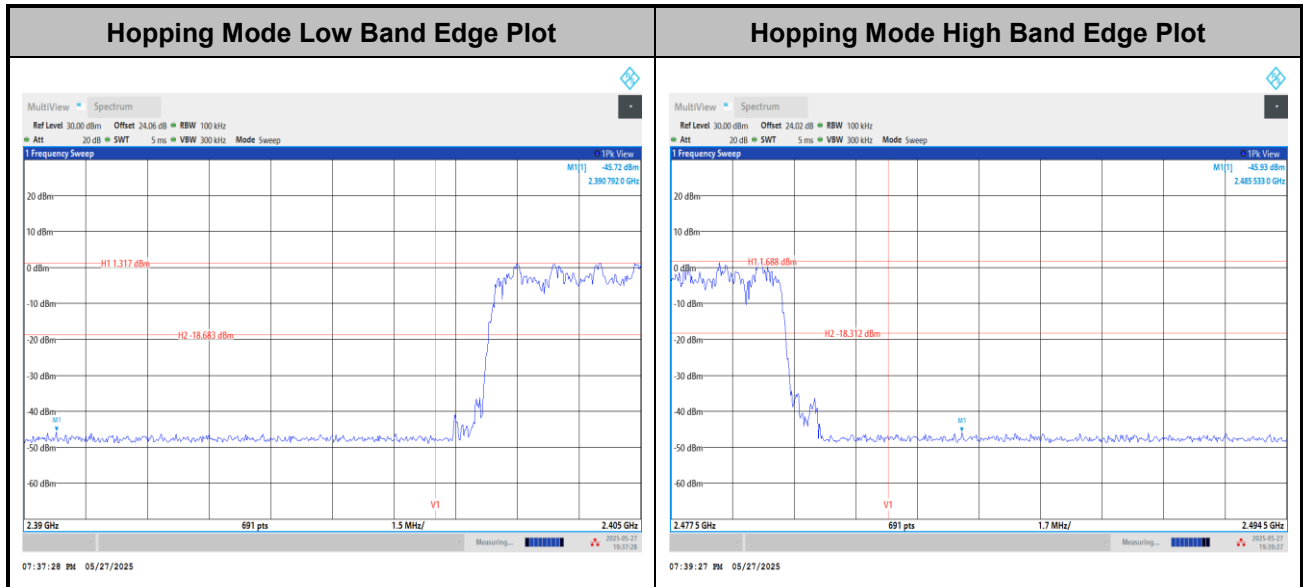
## Hopping Mode Band Edges

<1Mbps>



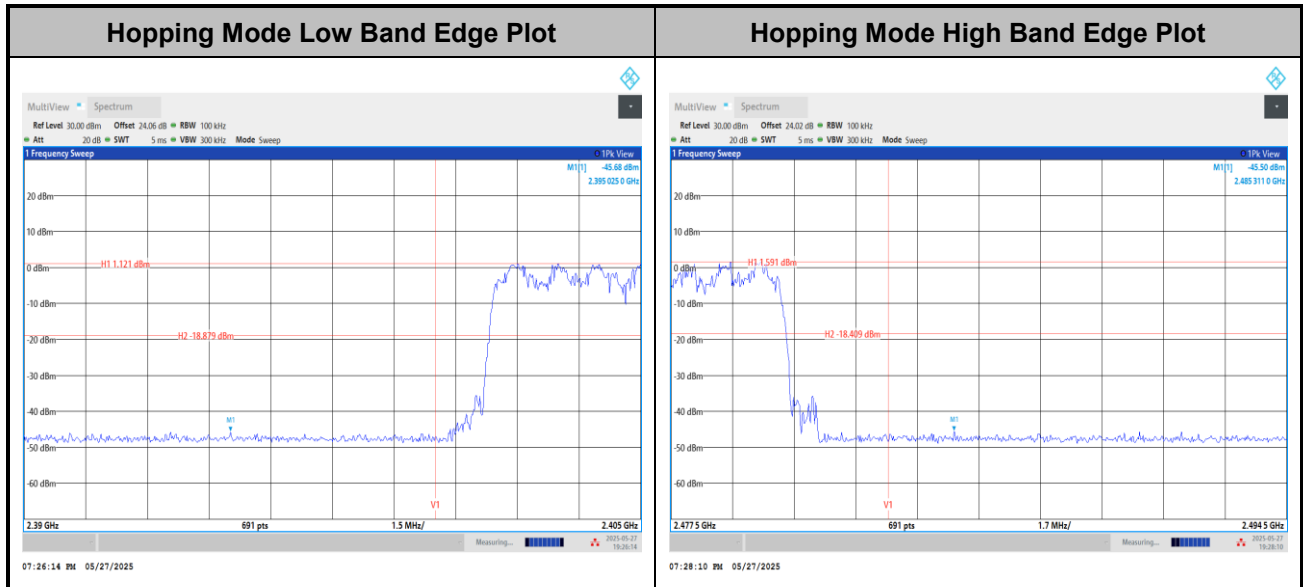


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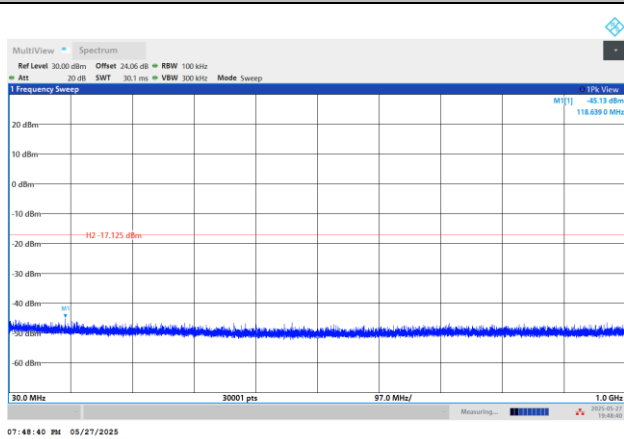
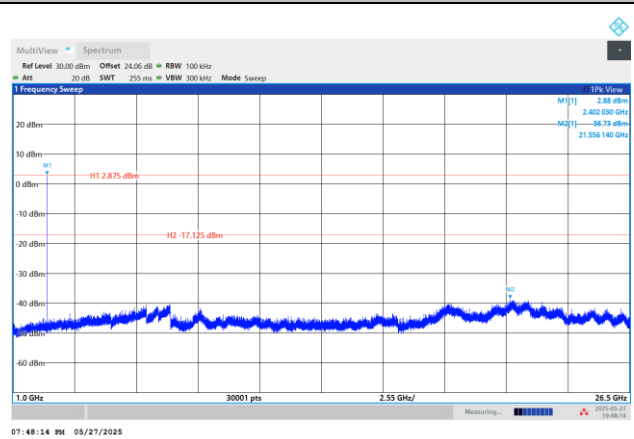
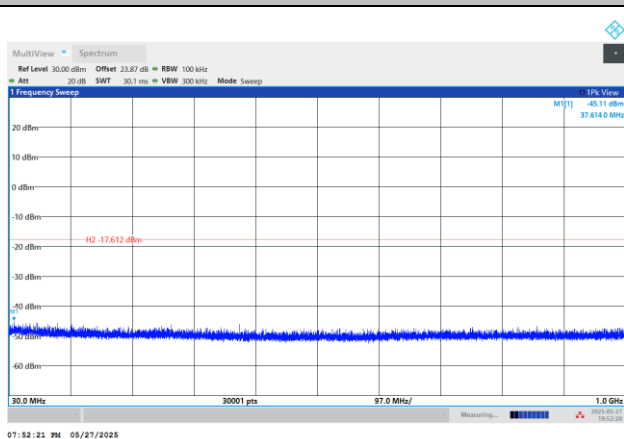
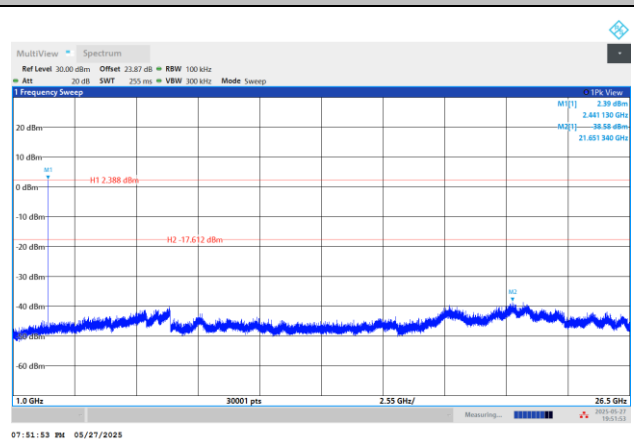
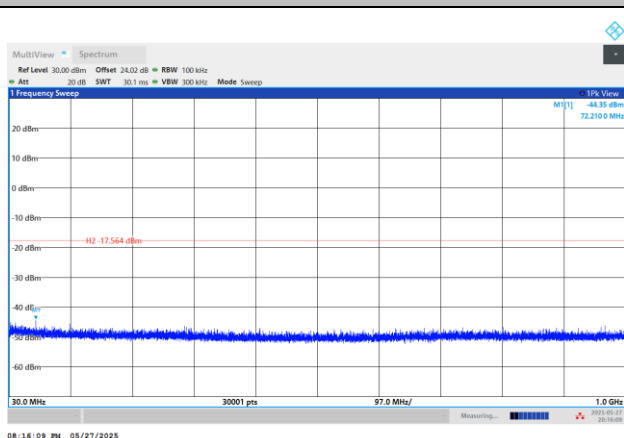
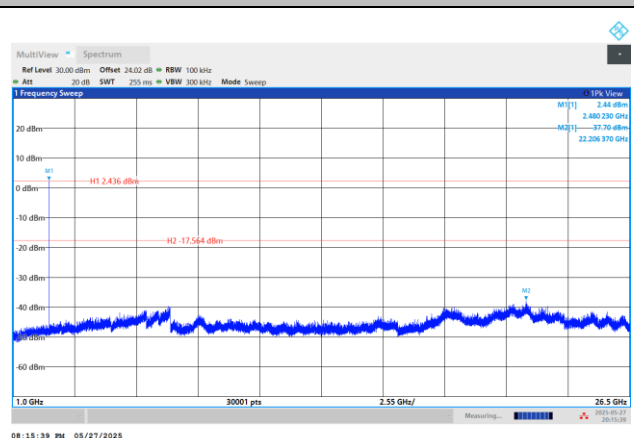


<3Mbps>



**Conducted Spurious Emission**

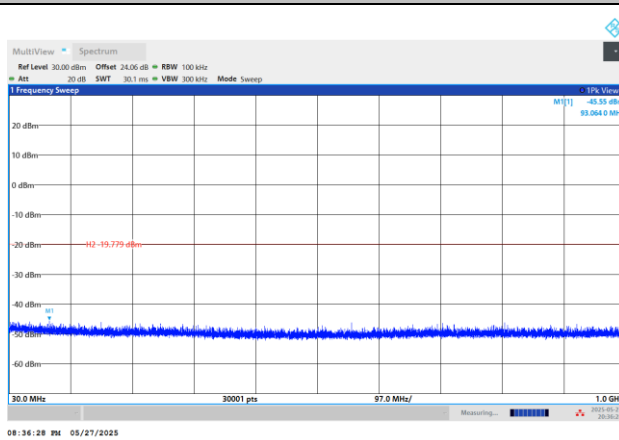
&lt;1Mbps&gt;

**CSE Plot on Low Ch between 30MHz ~ 1 GHz****CSE Plot on Low Ch between 1GHz ~ 26.5GHz****CSE Plot on Mid. Ch between 30MHz ~ 1 GHz****CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz****CSE Plot on High Ch between 30MHz ~ 1 GHz****CSE Plot on High Ch between 1GHz ~ 26.5GHz**

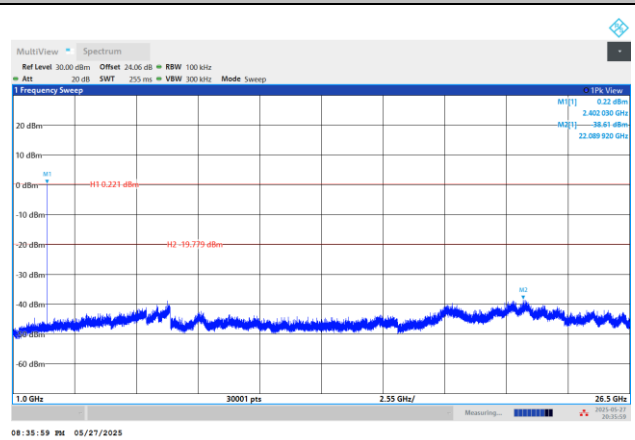


&lt;2Mbps&gt;

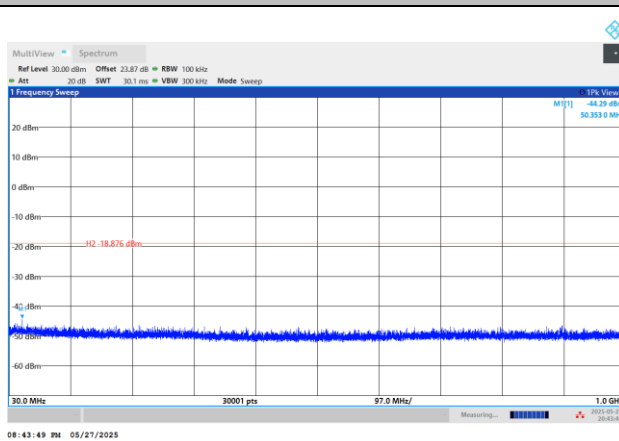
CSE Plot on Low Ch between 30MHz ~ 1 GHz



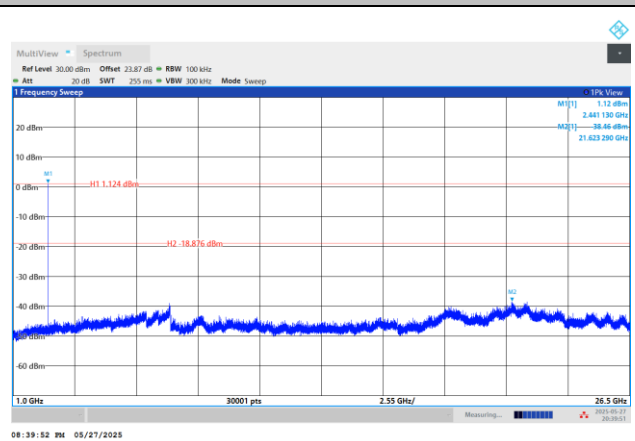
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



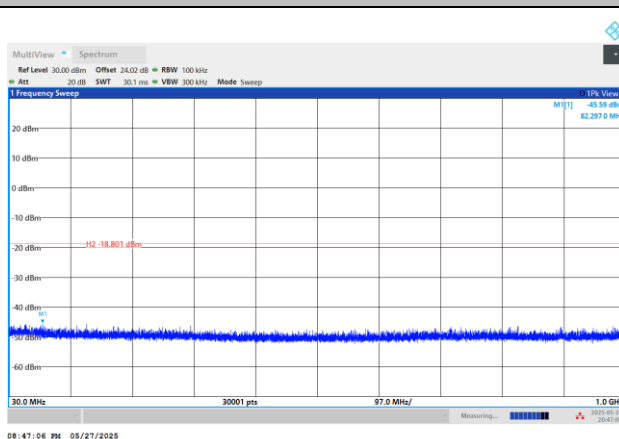
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



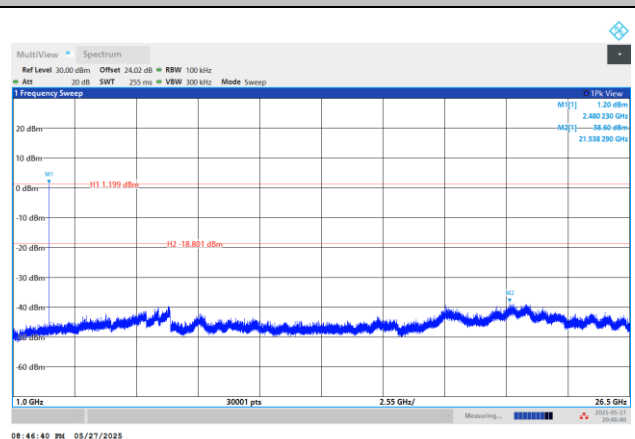
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



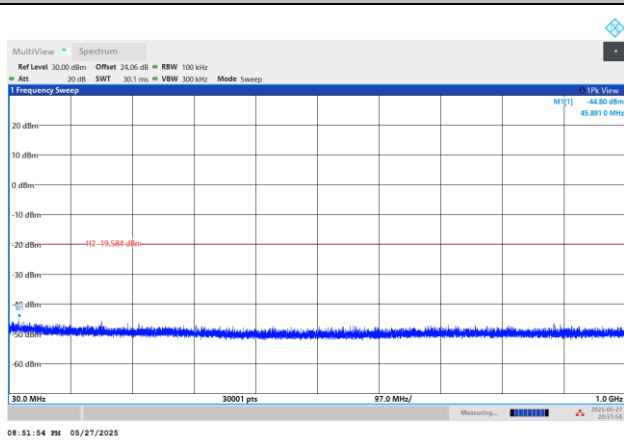
CSE Plot on High Ch between 1GHz ~ 26.5GHz



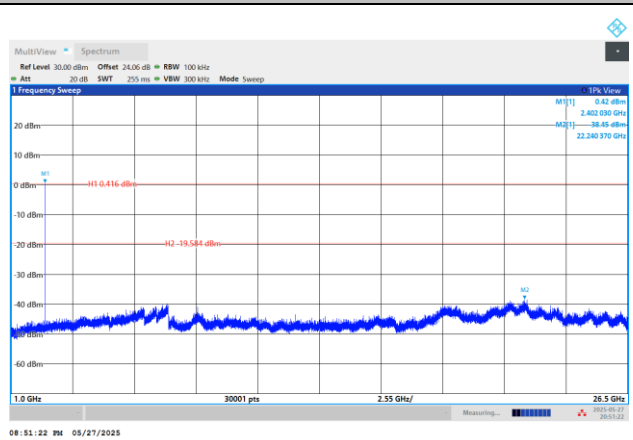


&lt;3Mbps&gt;

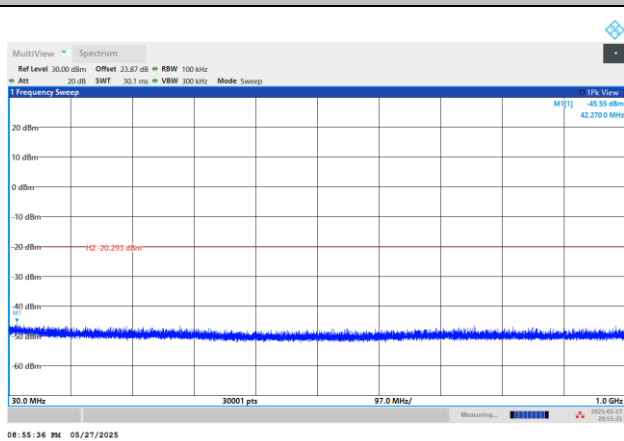
CSE Plot on Low Ch between 30MHz ~ 1 GHz



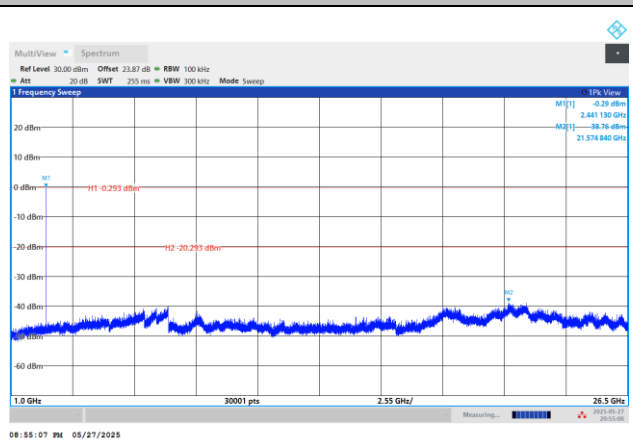
CSE Plot on Low Ch between 1GHz ~ 26.5GHz



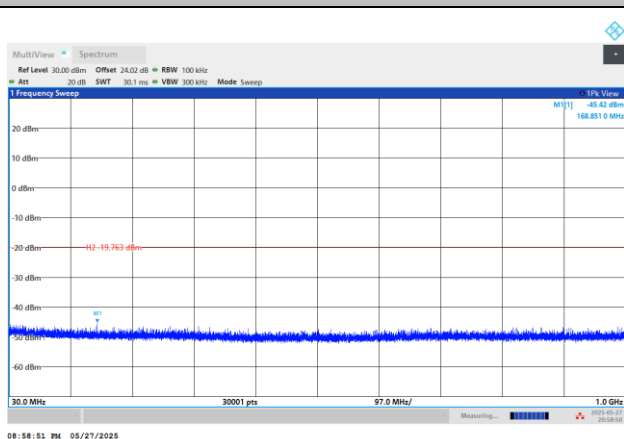
CSE Plot on Mid. Ch between 30MHz ~ 1 GHz



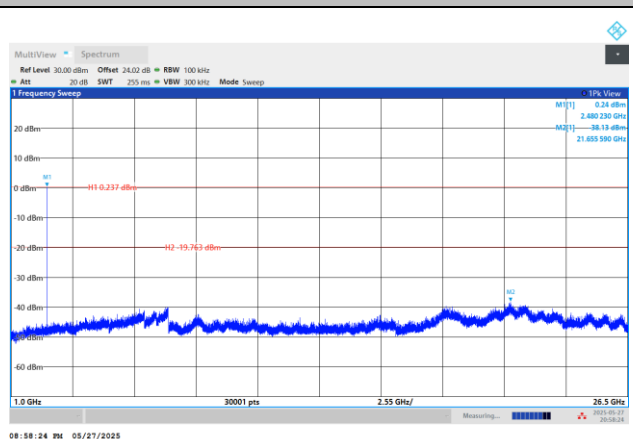
CSE Plot on Mid. Ch between 1GHz ~ 26.5GHz



CSE Plot on High Ch between 30MHz ~ 1 GHz



CSE Plot on High Ch between 1GHz ~ 26.5GHz





## **Appendix B. AC Conducted Emission Test Results**

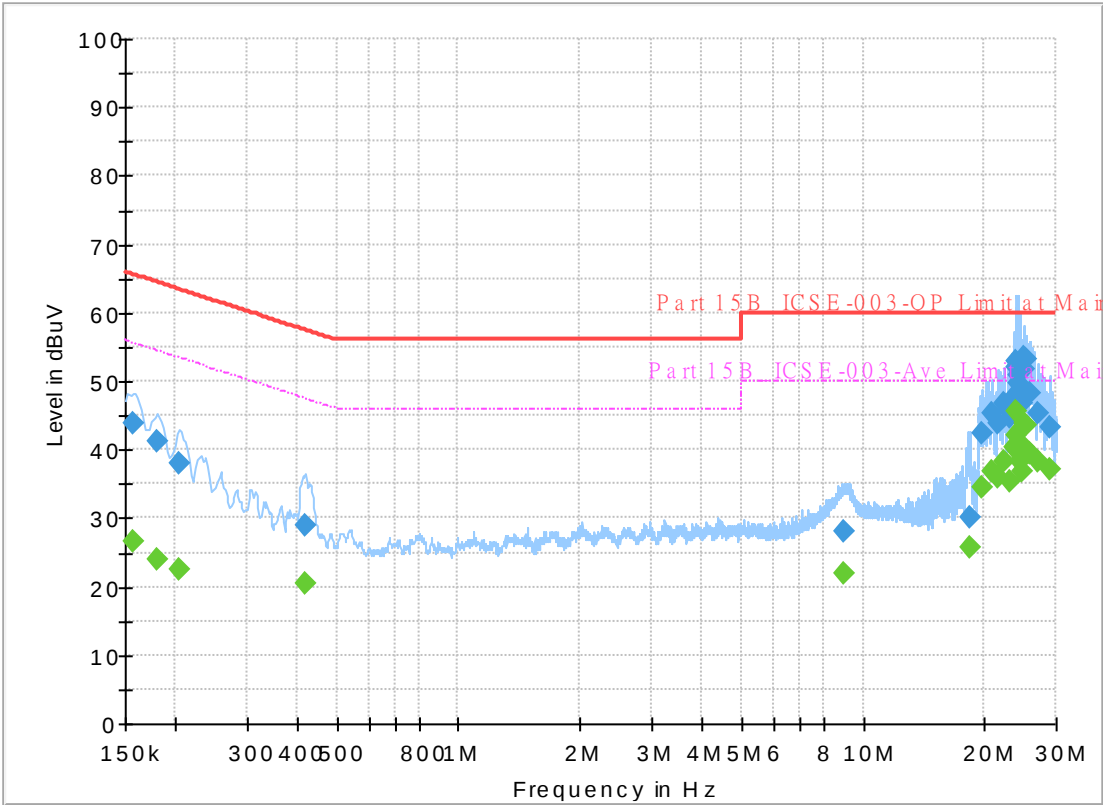
|                        |            |                                |         |
|------------------------|------------|--------------------------------|---------|
| <b>Test Engineer :</b> | Brian Chen | <b>Temperature (°C) :</b>      | 23 ~ 26 |
|                        |            | <b>Relative Humidity (%) :</b> | 45 ~ 55 |

EUT Information

Report NO :  
Test Mode :  
Test Voltage :  
Phase :

541703  
Mode 1  
120Vac/60Hz  
Line

Full Spectrum



Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.156750        | ---              | 26.72           | 55.63        | 28.91       | L1   | OFF    | 19.8       |
| 0.156750        | 43.95            | ---             | 65.63        | 21.68       | L1   | OFF    | 19.8       |
| 0.179250        | ---              | 24.07           | 54.52        | 30.45       | L1   | OFF    | 19.8       |
| 0.179250        | 41.18            | ---             | 64.52        | 23.34       | L1   | OFF    | 19.8       |
| 0.204000        | ---              | 22.44           | 53.45        | 31.01       | L1   | OFF    | 19.8       |
| 0.204000        | 37.89            | ---             | 63.45        | 25.56       | L1   | OFF    | 19.8       |
| 0.420000        | ---              | 20.51           | 47.45        | 26.94       | L1   | OFF    | 19.8       |
| 0.420000        | 28.81            | ---             | 57.45        | 28.64       | L1   | OFF    | 19.8       |
| 9.003750        | ---              | 21.97           | 50.00        | 28.03       | L1   | OFF    | 19.9       |
| 9.003750        | 27.94            | ---             | 60.00        | 32.06       | L1   | OFF    | 19.9       |
| 18.309750       | ---              | 25.66           | 50.00        | 24.34       | L1   | OFF    | 19.9       |
| 18.309750       | 30.09            | ---             | 60.00        | 29.91       | L1   | OFF    | 19.9       |
| 19.628250       | ---              | 34.44           | 50.00        | 15.56       | L1   | OFF    | 19.9       |
| 19.628250       | 42.42            | ---             | 60.00        | 17.58       | L1   | OFF    | 19.9       |
| 20.782500       | ---              | 36.93           | 50.00        | 13.07       | L1   | OFF    | 19.9       |
| 20.782500       | 45.22            | ---             | 60.00        | 14.78       | L1   | OFF    | 19.9       |
| 21.603750       | ---              | 36.02           | 50.00        | 13.98       | L1   | OFF    | 19.9       |
| 21.603750       | 43.80            | ---             | 60.00        | 16.20       | L1   | OFF    | 19.9       |
| 22.267500       | ---              | 38.44           | 50.00        | 11.56       | L1   | OFF    | 19.9       |
| 22.267500       | 46.73            | ---             | 60.00        | 13.27       | L1   | OFF    | 19.9       |
| 23.073000       | ---              | 35.52           | 50.00        | 14.48       | L1   | OFF    | 19.9       |

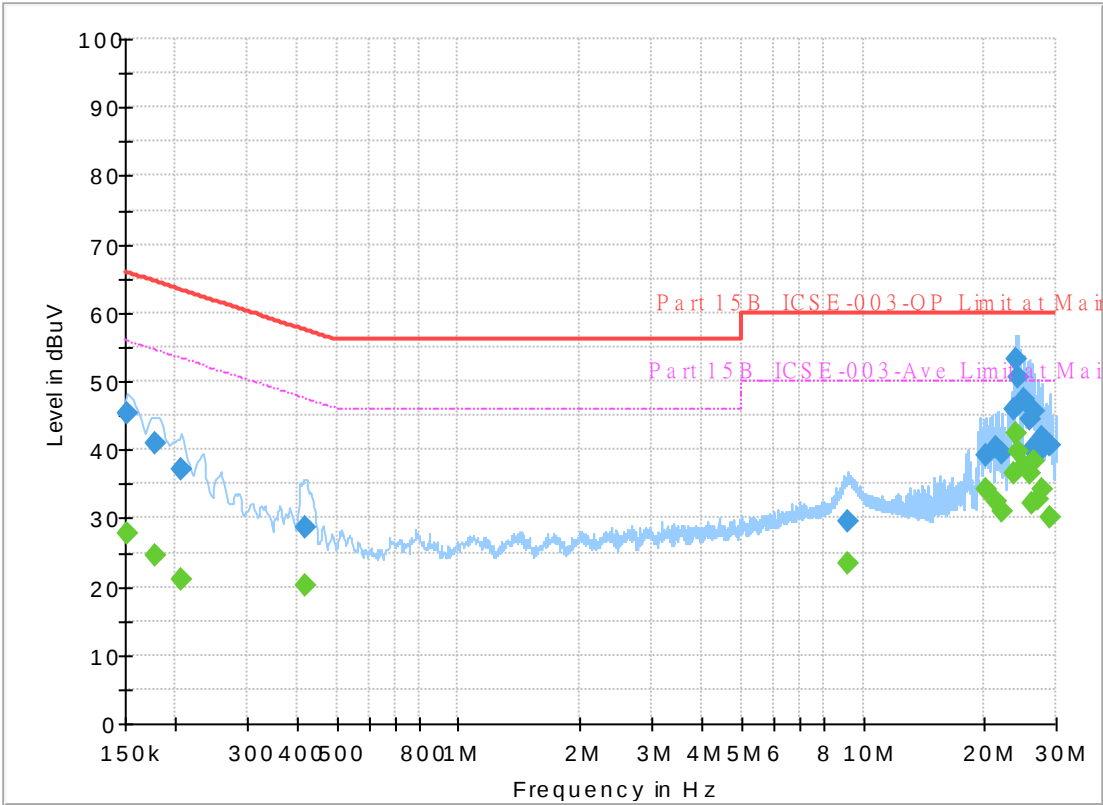
|           |       |       |       |       |    |     |      |
|-----------|-------|-------|-------|-------|----|-----|------|
| 23.073000 | 44.79 | ---   | 60.00 | 15.21 | L1 | OFF | 19.9 |
| 23.613000 | ---   | 40.23 | 50.00 | 9.77  | L1 | OFF | 19.9 |
| 23.613000 | 47.77 | ---   | 60.00 | 12.23 | L1 | OFF | 19.9 |
| 23.777250 | ---   | 45.57 | 50.00 | 4.43  | L1 | OFF | 19.9 |
| 23.777250 | 53.03 | ---   | 60.00 | 6.97  | L1 | OFF | 19.9 |
| 23.948250 | ---   | 42.09 | 50.00 | 7.91  | L1 | OFF | 19.9 |
| 23.948250 | 52.04 | ---   | 60.00 | 7.96  | L1 | OFF | 19.9 |
| 24.101250 | ---   | 39.91 | 50.00 | 10.09 | L1 | OFF | 19.9 |
| 24.101250 | 49.73 | ---   | 60.00 | 10.27 | L1 | OFF | 19.9 |
| 24.236250 | ---   | 40.84 | 50.00 | 9.16  | L1 | OFF | 19.9 |
| 24.236250 | 50.82 | ---   | 60.00 | 9.18  | L1 | OFF | 19.9 |
| 24.402750 | ---   | 38.21 | 50.00 | 11.79 | L1 | OFF | 19.9 |
| 24.402750 | 48.55 | ---   | 60.00 | 11.45 | L1 | OFF | 19.9 |
| 24.774000 | ---   | 36.87 | 50.00 | 13.13 | L1 | OFF | 19.9 |
| 24.774000 | 46.69 | ---   | 60.00 | 13.31 | L1 | OFF | 19.9 |
| 24.933750 | ---   | 43.89 | 50.00 | 6.11  | L1 | OFF | 19.9 |
| 24.933750 | 53.53 | ---   | 60.00 | 6.47  | L1 | OFF | 19.9 |
| 25.041750 | ---   | 40.38 | 50.00 | 9.62  | L1 | OFF | 19.9 |
| 25.041750 | 51.68 | ---   | 60.00 | 8.32  | L1 | OFF | 19.9 |
| 25.221750 | ---   | 43.60 | 50.00 | 6.40  | L1 | OFF | 19.9 |
| 25.221750 | 53.18 | ---   | 60.00 | 6.82  | L1 | OFF | 19.9 |
| 25.752750 | ---   | 39.33 | 50.00 | 10.67 | L1 | OFF | 19.9 |
| 25.752750 | 48.26 | ---   | 60.00 | 11.74 | L1 | OFF | 19.9 |
| 27.215250 | ---   | 38.23 | 50.00 | 11.77 | L1 | OFF | 19.9 |
| 27.215250 | 45.25 | ---   | 60.00 | 14.75 | L1 | OFF | 19.9 |
| 29.028750 | ---   | 37.10 | 50.00 | 12.90 | L1 | OFF | 19.9 |
| 29.028750 | 43.13 | ---   | 60.00 | 16.87 | L1 | OFF | 19.9 |

EUT Information

Report NO :  
Test Mode :  
Test Voltage :  
Phase :

541703  
Mode 1  
120Vac/60Hz  
Neutral

Full Spectrum



Final\_Result

| Frequency (MHz) | QuasiPeak (dBuV) | CAverage (dBuV) | Limit (dBuV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|------------------|-----------------|--------------|-------------|------|--------|------------|
| 0.152250        | ---              | 27.89           | 55.88        | 27.99       | N    | OFF    | 19.8       |
| 0.152250        | 45.29            | ---             | 65.88        | 20.59       | N    | OFF    | 19.8       |
| 0.177000        | ---              | 24.68           | 54.63        | 29.95       | N    | OFF    | 19.8       |
| 0.177000        | 40.95            | ---             | 64.63        | 23.68       | N    | OFF    | 19.8       |
| 0.206250        | ---              | 20.94           | 53.36        | 32.42       | N    | OFF    | 19.8       |
| 0.206250        | 37.02            | ---             | 63.36        | 26.34       | N    | OFF    | 19.8       |
| 0.420000        | ---              | 20.17           | 47.45        | 27.28       | N    | OFF    | 19.8       |
| 0.420000        | 28.64            | ---             | 57.45        | 28.81       | N    | OFF    | 19.8       |
| 9.197250        | ---              | 23.49           | 50.00        | 26.51       | N    | OFF    | 19.9       |
| 9.197250        | 29.50            | ---             | 60.00        | 30.50       | N    | OFF    | 19.9       |
| 20.096250       | ---              | 34.08           | 50.00        | 15.92       | N    | OFF    | 20.1       |
| 20.096250       | 39.05            | ---             | 60.00        | 20.95       | N    | OFF    | 20.1       |
| 21.412500       | ---              | 32.50           | 50.00        | 17.50       | N    | OFF    | 20.1       |
| 21.412500       | 40.49            | ---             | 60.00        | 19.51       | N    | OFF    | 20.1       |
| 22.089750       | ---              | 30.95           | 50.00        | 19.05       | N    | OFF    | 20.1       |
| 22.089750       | 39.45            | ---             | 60.00        | 20.55       | N    | OFF    | 20.1       |
| 23.536500       | ---              | 36.63           | 50.00        | 13.37       | N    | OFF    | 20.1       |
| 23.536500       | 45.77            | ---             | 60.00        | 14.23       | N    | OFF    | 20.1       |
| 23.901000       | ---              | 42.50           | 50.00        | 7.50        | N    | OFF    | 20.1       |
| 23.901000       | 53.19            | ---             | 60.00        | 6.81        | N    | OFF    | 20.1       |
| 24.209250       | ---              | 39.73           | 50.00        | 10.27       | N    | OFF    | 20.1       |

|           |       |       |       |       |   |     |      |
|-----------|-------|-------|-------|-------|---|-----|------|
| 24.209250 | 50.69 | ---   | 60.00 | 9.31  | N | OFF | 20.1 |
| 25.023750 | ---   | 37.76 | 50.00 | 12.24 | N | OFF | 20.1 |
| 25.023750 | 47.32 | ---   | 60.00 | 12.68 | N | OFF | 20.1 |
| 25.725750 | ---   | 36.48 | 50.00 | 13.52 | N | OFF | 20.1 |
| 25.725750 | 44.55 | ---   | 60.00 | 15.45 | N | OFF | 20.1 |
| 26.218500 | ---   | 32.22 | 50.00 | 17.78 | N | OFF | 20.1 |
| 26.218500 | 40.09 | ---   | 60.00 | 19.91 | N | OFF | 20.1 |
| 26.479500 | ---   | 38.16 | 50.00 | 11.84 | N | OFF | 20.1 |
| 26.479500 | 45.68 | ---   | 60.00 | 14.32 | N | OFF | 20.1 |
| 27.073500 | ---   | 32.62 | 50.00 | 17.38 | N | OFF | 20.1 |
| 27.073500 | 39.41 | ---   | 60.00 | 20.59 | N | OFF | 20.1 |
| 27.685500 | ---   | 34.24 | 50.00 | 15.76 | N | OFF | 20.1 |
| 27.685500 | 41.69 | ---   | 60.00 | 18.31 | N | OFF | 20.1 |
| 28.833000 | ---   | 30.07 | 50.00 | 19.93 | N | OFF | 20.1 |
| 28.833000 | 40.76 | ---   | 60.00 | 19.24 | N | OFF | 20.1 |



## Appendix C. Radiated Spurious Emission Test Data

|                        |                                      |                              |             |
|------------------------|--------------------------------------|------------------------------|-------------|
| <b>Test Engineer :</b> | John Chuang, David Dai, and Sam Chou | <b>Relative Humidity(%):</b> | 67.3 ~ 69.5 |
|                        |                                      | <b>Temperature(°C):</b>      | 19.9 ~ 22.7 |

### Note symbol

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



## C1. Radiated Spurious Emission Test Modes

| Mode   | Band<br>(MHz) | Antenna | Modulation        | Channel | Frequency | Data<br>Rate | RU | Remark |
|--------|---------------|---------|-------------------|---------|-----------|--------------|----|--------|
| Mode 1 | 2400-2483.5   | 1       | Bluetooth BR_GFSK | 00      | 2402      | 3Mbps        | -  | -      |
| Mode 2 | 2400-2483.5   | 1       | Bluetooth BR_GFSK | 39      | 2441      | 3Mbps        | -  | -      |
| Mode 3 | 2400-2483.5   | 1       | Bluetooth BR_GFSK | 78      | 2480      | 3Mbps        | -  | -      |
| Mode 4 | 2400-2483.5   | 1       | Bluetooth BR_GFSK | 78      | 2480      | 3Mbps        | -  | LF     |



## C2. Summary of each worse mode

| Mode | Modulation        | Ch. | Freq.<br>(MHz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Pol. | Peak<br>Avg. | Result | RU | Remark    |
|------|-------------------|-----|----------------|-------------------|-------------------|----------------|------|--------------|--------|----|-----------|
| 1    | Bluetooth BR_GFSK | 00  | 2389.21        | 42.04             | 74.00             | -31.96         | H    | Peak         | Pass   | -  | Band Edge |
|      | Bluetooth BR_GFSK | 00  | 4804.00        | 45.92             | 74.00             | -28.08         | H    | Peak         | Pass   | -  | Harmonic  |
| 2    | Bluetooth BR_GFSK | 39  | 2493.16        | 42.82             | 74.00             | -31.18         | H    | Peak         | Pass   | -  | Band Edge |
|      | Bluetooth BR_GFSK | 39  | 7323.00        | 49.65             | 74.00             | -24.35         | V    | Peak         | Pass   | -  | Harmonic  |
| 3    | Bluetooth BR_GFSK | 78  | 2483.64        | 54.19             | 74.00             | -19.81         | H    | Peak         | Pass   | -  | Band Edge |
|      | Bluetooth BR_GFSK | 78  | 7440.00        | 48.35             | 74.00             | -25.65         | V    | Peak         | Pass   | -  | Harmonic  |
| 4    | LF                | 78  | 953.44         | 36.78             | 46.00             | -9.22          | H    | Peak         | Pass   | -  | LF        |



| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-------------|-------------|-------------|------------|---------------|---------------|---------------|------------|---------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|-------|-------|-------------|------------|------------|------------|---------------|------------|------|------|--------|--|-----|--------|--------|----|------|------|----|----|----|----|-----|--|---|---------|--------|-------|-------|--------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Fundamental |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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 Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</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>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>2389.21</td><td>42.04</td><td>74.00</td><td>-31.96</td><td>42.31</td><td>27.38</td><td>8.62</td><td>36.27</td><td>0.00</td><td>257</td><td>257</td><td>Peak</td></tr><tr><td>2</td><td>2389.21</td><td>17.28</td><td>54.00</td><td>-36.72</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table></div> |             | Freq   | Level       | Limit       | Line Margin | Read Level | Ant Factor    | Cable Loss    | Preamp Factor | Aux Factor | APos    | TPos   | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg |  | 1 | 2389.21 | 42.04 | 74.00 | -31.96 | 42.31 | 27.38 | 8.62 | 36.27 | 0.00 | 257 | 257 | Peak | 2 | 2389.21 | 17.28 | 54.00 | -36.72 | -- | -- | -- | -- | -- | -- | -- | AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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>Freq</th><th>Level</th><th>Limit</th><th>Line Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</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>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>2402.00</td><td>104.89</td><td>-----</td><td>-----</td><td>105.10</td><td>27.42</td><td>8.64</td><td>36.27</td><td>0.00</td><td>257</td><td>257</td><td>Peak</td></tr><tr><td>2</td><td>2402.00</td><td>80.13</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table></div> |  | Freq | Level | Limit | Line Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg |  | 1 | 2402.00 | 104.89 | ----- | ----- | 105.10 | 27.42 | 8.64 | 36.27 | 0.00 | 257 | 257 | Peak | 2 | 2402.00 | 80.13 | ----- | ----- | -- | -- | -- | -- | -- | -- | -- | Average |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Freq        | Level  | Limit       | Line Margin | Read Level  | Ant Factor | Cable Loss    | Preamp Factor | Aux Factor    | APos       | TPos    | Remark |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | MHz         | dBuV/m | dBuV/m      | dB          | dBuV        | dB/m       | dB            | dB            | dB            | cm         | deg     |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 1    | 2389.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 42.04       | 74.00  | -31.96      | 42.31       | 27.38       | 8.62       | 36.27         | 0.00          | 257           | 257        | Peak    |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2389.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 17.28       | 54.00  | -36.72      | --          | --          | --         | --            | --            | --            | --         | AVERAGE |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Level       | Limit  | Line Margin | Read Level  | Ant Factor  | Cable Loss | Preamp Factor | Aux Factor    | APos          | TPos       | Remark  |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | dBuV/m      | dBuV/m | dB          | dBuV        | dB/m        | dB         | dB            | dB            | cm            | deg        |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 1    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 104.89      | -----  | -----       | 105.10      | 27.42       | 8.64       | 36.27         | 0.00          | 257           | 257        | Peak    |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 80.13       | -----  | -----       | --          | --          | --         | --            | --            | --            | --         | Average |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |



| Mode | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------|--------|--------|-----|-------|---------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|--------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |        |        |        |        |       |             |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       | Fundamental |        |        |     |       |         |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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>2331.62</td><td>41.21</td><td>74.00</td><td>-32.79</td><td>41.67</td><td>27.28</td><td>8.51</td><td>36.25</td><td>0.00</td><td>100</td><td>198</td><td>Peak</td></tr><tr><td>2</td><td>2331.62</td><td>16.45</td><td>54.00</td><td>-37.55</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2331.62 | 41.21 | 74.00 | -32.79 | 41.67 | 27.28 | 8.51 | 36.25 | 0.00 | 100 | 198 | Peak | 2 | 2331.62 | 16.45 | 54.00 | -37.55 | -- | -- | -- | -- | -- | -- | -- | AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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>2402.00</td><td>100.87</td><td>-----</td><td>-----</td><td>101.00</td><td>27.42</td><td>8.64</td><td>36.27</td><td>0.00</td><td>100</td><td>198</td><td>Peak</td></tr><tr><td>2</td><td>2402.00</td><td>76.11</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2402.00 | 100.87 | ----- | ----- | 101.00 | 27.42 | 8.64 | 36.27 | 0.00 | 100 | 198 | Peak | 2 | 2402.00 | 76.11 | ----- | ----- | -- | -- | -- | -- | -- | -- | -- | 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    | 2331.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 41.21  | 74.00  | -32.79 | 41.67  | 27.28 | 8.51        | 36.25  | 0.00   | 100 | 198   | Peak    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2331.62                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16.45  | 54.00  | -37.55 | --     | --    | --          | --     | --     | --  | --    | 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    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100.87 | -----  | -----  | 101.00 | 27.42 | 8.64        | 36.27  | 0.00   | 100 | 198   | Peak    |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2402.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 76.11  | -----  | -----  | --     | --    | --          | --     | --     | --  | --    | Average |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |



| Mode        | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |          |        |        |        |            |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|--------|----------|--------|--------|--------|------------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|---|---------|-------|-------|--------|----|----|----|----|----|----|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|---------|---|---------|-------|-------|--------|----|----|----|----|----|----|------------|
|             | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |        |        |        |        |        |          |        |        |        |            |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
|             | 2400-2483.5_Bluetooth BR_GFSK_CH00_2402MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |          |        |        |        |            |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
| ANT         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |        |        |        |        |          |        |        |        |            |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
| Pol.        | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        | Vertical |        |        |        |            |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
| Peak<br>Avg | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91200_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>4804.00</td><td>45.92</td><td>74.00</td><td>-28.08</td><td>38.32</td><td>32.23</td><td>12.25</td><td>37.51</td><td>0.63</td><td>--</td><td>-- Peak</td></tr><tr><td>2</td><td>4804.00</td><td>21.16</td><td>54.00</td><td>-32.84</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4804.00 | 45.92 | 74.00 | -28.08 | 38.32 | 32.23 | 12.25 | 37.51 | 0.63 | -- | -- Peak | 2 | 4804.00 | 21.16 | 54.00 | -32.84 | -- | -- | -- | -- | -- | -- | -- Average | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91200_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>4804.00</td><td>45.38</td><td>74.00</td><td>-28.62</td><td>37.78</td><td>32.23</td><td>12.25</td><td>37.51</td><td>0.63</td><td>--</td><td>-- Peak</td></tr><tr><td>2</td><td>4804.00</td><td>20.62</td><td>54.00</td><td>-33.38</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4804.00 | 45.38 | 74.00 | -28.62 | 37.78 | 32.23 | 12.25 | 37.51 | 0.63 | -- | -- Peak | 2 | 4804.00 | 20.62 | 54.00 | -33.38 | -- | -- | -- | -- | -- | -- | -- 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45.92  | 74.00  | -28.08 | 38.32  | 32.23  | 12.25    | 37.51  | 0.63   | --     | -- Peak    |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
| 2           | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 21.16  | 54.00  | -32.84 | --     | --     | --       | --     | --     | --     | -- 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 45.38  | 74.00  | -28.62 | 37.78  | 32.23  | 12.25    | 37.51  | 0.63   | --     | -- Peak    |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |
| 2           | 4804.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 20.62  | 54.00  | -33.38 | --     | --     | --       | --     | --     | --     | -- Average |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |         |   |         |       |       |        |    |    |    |    |    |    |            |



| Mode | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|---------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|----|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|--------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|----|---------|
|      | Band Edge - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fundamental |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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>2313.00</td><td>41.00</td><td>74.00</td><td>-33.00</td><td>41.46</td><td>27.30</td><td>8.48</td><td>36.24</td><td>0.00</td><td>100</td><td>253</td><td>Peak</td></tr><tr><td>2</td><td>2313.00</td><td>16.24</td><td>54.00</td><td>-37.76</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2313.00 | 41.00 | 74.00 | -33.00 | 41.46 | 27.30 | 8.48 | 36.24 | 0.00 | 100 | 253 | Peak | 2 | 2313.00 | 16.24 | 54.00 | -37.76 | -- | -- | -- | -- | -- | -- | -- | AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><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>2441.00</td><td>103.45</td><td>-----</td><td>-----</td><td>103.41</td><td>27.60</td><td>8.72</td><td>36.28</td><td>0.00</td><td>100</td><td>253</td><td>Peak</td></tr><tr><td>2</td><td>2441.00</td><td>78.69</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2441.00 | 103.45 | ----- | ----- | 103.41 | 27.60 | 8.72 | 36.28 | 0.00 | 100 | 253 | Peak | 2 | 2441.00 | 78.69 | ----- | ----- | -- | -- | -- | -- | -- | -- | -- | 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    | 2313.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 41.00       | 74.00  | -33.00 | 41.46  | 27.30  | 8.48   | 36.24  | 0.00   | 100    | 253    | Peak    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2313.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 16.24       | 54.00  | -37.76 | --     | --     | --     | --     | --     | --     | --     | 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    | 2441.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 103.45      | -----  | -----  | 103.41 | 27.60  | 8.72   | 36.28  | 0.00   | 100    | 253    | Peak    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2441.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 78.69       | -----  | -----  | --     | --     | --     | --     | --     | --     | --     | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |        |        |        |        |        |        |        |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |





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|------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|--------|--------|-------|--------|--------|--------|------|--------|---------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|--------|-------|-------|--------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|----|---------|
|      | Band Edge - L                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |             |        |        |        |       |        |        |        |      |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |        |        |        |       |        |        |        |      |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |             |        |        |        |       |        |        |        |      |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Fundamental |        |        |        |       |        |        |        |      |        |         |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91280_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>2348.12</td><td>41.23</td><td>74.00</td><td>-32.77</td><td>41.66</td><td>27.28</td><td>8.54</td><td>36.25</td><td>0.00</td><td>100</td><td>196</td><td>Peak</td></tr><tr><td>2</td><td>2348.12</td><td>16.47</td><td>54.00</td><td>-37.53</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2348.12 | 41.23 | 74.00 | -32.77 | 41.66 | 27.28 | 8.54 | 36.25 | 0.00 | 100 | 196 | Peak | 2 | 2348.12 | 16.47 | 54.00 | -37.53 | -- | -- | -- | -- | -- | -- | -- | AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91280_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>2441.00</td><td>101.41</td><td>-----</td><td>-----</td><td>101.37</td><td>27.60</td><td>8.72</td><td>36.28</td><td>0.00</td><td>100</td><td>196</td><td>Peak</td></tr><tr><td>2</td><td>2441.00</td><td>76.65</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 2441.00 | 101.41 | ----- | ----- | 101.37 | 27.60 | 8.72 | 36.28 | 0.00 | 100 | 196 | Peak | 2 | 2441.00 | 76.65 | ----- | ----- | -- | -- | -- | -- | -- | -- | -- | 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    | 2348.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 41.23       | 74.00  | -32.77 | 41.66  | 27.28 | 8.54   | 36.25  | 0.00   | 100  | 196    | Peak    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2348.12                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 16.47       | 54.00  | -37.53 | --     | --    | --     | --     | --     | --   | --     | 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    | 2441.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 101.41      | -----  | -----  | 101.37 | 27.60 | 8.72   | 36.28  | 0.00   | 100  | 196    | Peak    |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2441.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 76.65       | -----  | -----  | --     | --    | --     | --     | --     | --   | --     | Average |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |





| Mode        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|
|             | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
|             | 2400-2483.5_Bluetooth BR_GFSK_CH39_2441MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| ANT         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| Pol.        | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Vertical |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| Peak<br>Avg | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p><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>4882.00</td><td>45.01</td><td>74.00</td><td>-28.99</td><td>36.84</td><td>32.73</td><td>12.39</td><td>37.58</td><td>0.63</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4882.00</td><td>20.25</td><td>54.00</td><td>-33.75</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7323.00</td><td>49.38</td><td>74.00</td><td>-24.62</td><td>35.30</td><td>36.76</td><td>15.38</td><td>38.48</td><td>0.42</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7323.00</td><td>24.62</td><td>54.00</td><td>-29.38</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4882.00 | 45.01 | 74.00 | -28.99 | 36.84 | 32.73 | 12.39 | 37.58 | 0.63 | -- | Peak | 2 | 4882.00 | 20.25 | 54.00 | -33.75 | -- | -- | -- | -- | -- | -- | Average | 3 | 7323.00 | 49.38 | 74.00 | -24.62 | 35.30 | 36.76 | 15.38 | 38.48 | 0.42 | -- | Peak | 4 | 7323.00 | 24.62 | 54.00 | -29.38 | -- | -- | -- | -- | -- | -- | Average | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p><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>4882.00</td><td>45.16</td><td>74.00</td><td>-28.84</td><td>36.99</td><td>32.73</td><td>12.39</td><td>37.58</td><td>0.63</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4882.00</td><td>20.40</td><td>54.00</td><td>-33.60</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7323.00</td><td>49.65</td><td>74.00</td><td>-24.35</td><td>35.57</td><td>36.76</td><td>15.38</td><td>38.48</td><td>0.42</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7323.00</td><td>24.89</td><td>54.00</td><td>-29.11</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4882.00 | 45.16 | 74.00 | -28.84 | 36.99 | 32.73 | 12.39 | 37.58 | 0.63 | -- | Peak | 2 | 4882.00 | 20.40 | 54.00 | -33.60 | -- | -- | -- | -- | -- | -- | Average | 3 | 7323.00 | 49.65 | 74.00 | -24.35 | 35.57 | 36.76 | 15.38 | 38.48 | 0.42 | -- | Peak | 4 | 7323.00 | 24.89 | 54.00 | -29.11 | -- | -- | -- | -- | -- | -- | 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           | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 45.01    | 74.00  | -28.99 | 36.84  | 32.73  | 12.39  | 37.58  | 0.63   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 2           | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20.25    | 54.00  | -33.75 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 3           | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.38    | 74.00  | -24.62 | 35.30  | 36.76  | 15.38  | 38.48  | 0.42   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 4           | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.62    | 54.00  | -29.38 | --     | --     | --     | --     | --     | --     | 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           | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 45.16    | 74.00  | -28.84 | 36.99  | 32.73  | 12.39  | 37.58  | 0.63   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 2           | 4882.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 20.40    | 54.00  | -33.60 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 3           | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 49.65    | 74.00  | -24.35 | 35.57  | 36.76  | 15.38  | 38.48  | 0.42   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 4           | 7323.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 24.89    | 54.00  | -29.11 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |



| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |       |             |        |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|--------|--------|--------|-------|-------------|--------|-------------------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|--|---|---------|-------|-------|--------|-------|-------|------|-------|-------------------|---|---------|-------|-------|--------|----|----|----|----|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|--|---|---------|--------|-------|-------|--------|-------|------|-------|-------------------|---|---------|-------|-------|-------|----|----|----|----|---------------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |        |        |        |        |       |             |        |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |       |             |        |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |        |        |        |        |       |             |        |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| Pol. | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |        |        |        |        |       | Fundamental |        |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| Peak | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91280_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></th></tr><tr><td>1</td><td>2483.64</td><td>54.19</td><td>74.00</td><td>-19.81</td><td>53.76</td><td>27.94</td><td>8.79</td><td>36.30</td><td>0.00 100 259 Peak</td></tr><tr><td>2</td><td>2483.64</td><td>29.43</td><td>54.00</td><td>-24.57</td><td>--</td><td>--</td><td>--</td><td>--</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 |  | 1 | 2483.64 | 54.19 | 74.00 | -19.81 | 53.76 | 27.94 | 8.79 | 36.30 | 0.00 100 259 Peak | 2 | 2483.64 | 29.43 | 54.00 | -24.57 | -- | -- | -- | -- | -- -- AVERAGE | <div><p>Level (dBuV/m)</p><p>Date: 2025-05-22</p><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91280_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></th></tr><tr><td>1</td><td>2480.00</td><td>104.49</td><td>-----</td><td>-----</td><td>104.09</td><td>27.90</td><td>8.79</td><td>36.29</td><td>0.00 100 259 Peak</td></tr><tr><td>2</td><td>2480.00</td><td>79.73</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</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 |  | 1 | 2480.00 | 104.49 | ----- | ----- | 104.09 | 27.90 | 8.79 | 36.29 | 0.00 100 259 Peak | 2 | 2480.00 | 79.73 | ----- | ----- | -- | -- | -- | -- | -- -- 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     |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| 1    | 2483.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 54.19  | 74.00  | -19.81 | 53.76  | 27.94 | 8.79        | 36.30  | 0.00 100 259 Peak |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| 2    | 2483.64                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 29.43  | 54.00  | -24.57 | --     | --    | --          | --     | -- -- 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     |                   |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| 1    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 104.49 | -----  | -----  | 104.09 | 27.90 | 8.79        | 36.29  | 0.00 100 259 Peak |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 79.73  | -----  | -----  | --     | --    | --          | --     | -- -- Average     |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |       |       |        |       |       |      |       |                   |   |         |       |       |        |    |    |    |    |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |  |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |  |   |         |        |       |       |        |       |      |       |                   |   |         |       |       |       |    |    |    |    |               |



| Mode | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|--------|-------------|-------------|-------------|------------|---------------|---------------|---------------|------------|---------|--------|--------|--|-----|--------|--------|----|------|------|----|----|----|----|-----|--|---|---------|-------|-------|--------|-------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|----|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|------|-------|-------|-------------|------------|------------|------------|---------------|------------|------|------|--------|--|-----|--------|--------|----|------|------|----|----|----|----|-----|--|---|---------|--------|-------|-------|--------|-------|------|-------|------|-----|-----|------|---|---------|-------|-------|-------|----|----|----|----|----|----|----|---------|
|      | Band Edge                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| ANT  | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |             |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Pol. | Vertical                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Fundamental |        |             |             |             |            |               |               |               |            |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| Peak | <div><p>Level (dBuV/m) <span style="float: right;">Date: 2025-05-22</span></p><p>Site : 03CH20-HY<br/>Condition: PEAK_BE_74 3m HF_91280_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 Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</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>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>2483.60</td><td>52.63</td><td>74.00</td><td>-21.37</td><td>52.20</td><td>27.94</td><td>8.79</td><td>36.30</td><td>0.00</td><td>105</td><td>207</td><td>Peak</td></tr><tr><td>2</td><td>2483.60</td><td>27.87</td><td>54.00</td><td>-26.13</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>AVERAGE</td></tr></table></div> |             | Freq   | Level       | Limit       | Line Margin | Read Level | Ant Factor    | Cable Loss    | Preamp Factor | Aux Factor | APos    | TPos   | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg |  | 1 | 2483.60 | 52.63 | 74.00 | -21.37 | 52.20 | 27.94 | 8.79 | 36.30 | 0.00 | 105 | 207 | Peak | 2 | 2483.60 | 27.87 | 54.00 | -26.13 | -- | -- | -- | -- | -- | -- | -- | AVERAGE | <div><p>Level (dBuV/m) <span style="float: right;">Date: 2025-05-22</span></p><p>Site : 03CH20-HY<br/>Condition: PEAK_74 3m HF_91280_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 Margin</th><th>Read Level</th><th>Ant Factor</th><th>Cable Loss</th><th>Preamp Factor</th><th>Aux Factor</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>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>2480.00</td><td>102.00</td><td>-----</td><td>-----</td><td>101.60</td><td>27.90</td><td>8.79</td><td>36.29</td><td>0.00</td><td>105</td><td>207</td><td>Peak</td></tr><tr><td>2</td><td>2480.00</td><td>77.24</td><td>-----</td><td>-----</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr></table></div> |  | Freq | Level | Limit | Line Margin | Read Level | Ant Factor | Cable Loss | Preamp Factor | Aux Factor | APos | TPos | Remark |  | MHz | dBuV/m | dBuV/m | dB | dBuV | dB/m | dB | dB | dB | cm | deg |  | 1 | 2480.00 | 102.00 | ----- | ----- | 101.60 | 27.90 | 8.79 | 36.29 | 0.00 | 105 | 207 | Peak | 2 | 2480.00 | 77.24 | ----- | ----- | -- | -- | -- | -- | -- | -- | -- | Average |
|      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Freq        | Level  | Limit       | Line Margin | Read Level  | Ant Factor | Cable Loss    | Preamp Factor | Aux Factor    | APos       | TPos    | Remark |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m      | dBuV/m | dB          | dBuV        | dB/m        | dB         | dB            | dB            | cm            | deg        |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 1    | 2483.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 52.63       | 74.00  | -21.37      | 52.20       | 27.94       | 8.79       | 36.30         | 0.00          | 105           | 207        | Peak    |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2483.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 27.87       | 54.00  | -26.13      | --          | --          | --         | --            | --            | --            | --         | AVERAGE |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | Freq                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Level       | Limit  | Line Margin | Read Level  | Ant Factor  | Cable Loss | Preamp Factor | Aux Factor    | APos          | TPos       | Remark  |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
|      | MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | dBuV/m      | dBuV/m | dB          | dBuV        | dB/m        | dB         | dB            | dB            | cm            | deg        |         |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 1    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 102.00      | -----  | -----       | 101.60      | 27.90       | 8.79       | 36.29         | 0.00          | 105           | 207        | Peak    |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |
| 2    | 2480.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 77.24       | -----  | -----       | --          | --          | --         | --            | --            | --            | --         | Average |        |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |       |       |        |       |       |      |       |      |     |     |      |   |         |       |       |        |    |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |      |       |       |             |            |            |            |               |            |      |      |        |  |     |        |        |    |      |      |    |    |    |    |     |  |   |         |        |       |       |        |       |      |       |      |     |     |      |   |         |       |       |       |    |    |    |    |    |    |    |         |

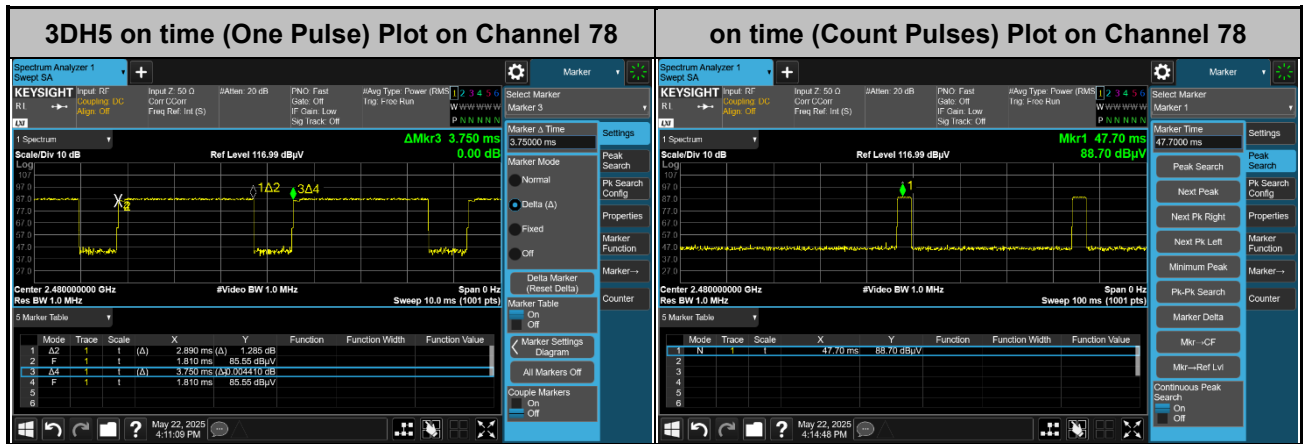


| Mode        | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--------|--------|--------|--------|--------|--------|--------|--------|---------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------|------|-----|-------|--------|-----|------|------|--------|------|-------|------|--------|-------|--------|------|--------|--------|--|--|-----|--------|--------|----|------|------|----|----|----|-----|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|---|---------|-------|-------|--------|-------|-------|-------|-------|------|----|------|---|---------|-------|-------|--------|----|----|----|----|----|----|---------|
|             | Harmonic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
|             | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| ANT         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |          |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| Pol.        | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Vertical |        |        |        |        |        |        |        |        |         |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| Peak<br>Avg | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p></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>4960.00</td><td>44.94</td><td>74.00</td><td>-29.06</td><td>36.26</td><td>33.16</td><td>12.54</td><td>37.64</td><td>0.62</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>20.18</td><td>54.00</td><td>-33.82</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>47.71</td><td>74.00</td><td>-26.29</td><td>34.15</td><td>36.22</td><td>15.51</td><td>38.58</td><td>0.41</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>22.95</td><td>54.00</td><td>-31.05</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4960.00 | 44.94 | 74.00 | -29.06 | 36.26 | 33.16 | 12.54 | 37.64 | 0.62 | -- | Peak | 2 | 4960.00 | 20.18 | 54.00 | -33.82 | -- | -- | -- | -- | -- | -- | Average | 3 | 7440.00 | 47.71 | 74.00 | -26.29 | 34.15 | 36.22 | 15.51 | 38.58 | 0.41 | -- | Peak | 4 | 7440.00 | 22.95 | 54.00 | -31.05 | -- | -- | -- | -- | -- | -- | Average | <div><p>Level (dBuV/m) <span>Date: 2025-05-22</span></p></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>4960.00</td><td>45.03</td><td>74.00</td><td>-28.97</td><td>36.35</td><td>33.16</td><td>12.54</td><td>37.64</td><td>0.62</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>4960.00</td><td>20.27</td><td>54.00</td><td>-33.73</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>Average</td></tr><tr><td>3</td><td>7440.00</td><td>48.35</td><td>74.00</td><td>-25.65</td><td>34.79</td><td>36.22</td><td>15.51</td><td>38.58</td><td>0.41</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>7440.00</td><td>23.59</td><td>54.00</td><td>-30.41</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</td><td>--</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 | 4960.00 | 45.03 | 74.00 | -28.97 | 36.35 | 33.16 | 12.54 | 37.64 | 0.62 | -- | Peak | 2 | 4960.00 | 20.27 | 54.00 | -33.73 | -- | -- | -- | -- | -- | -- | Average | 3 | 7440.00 | 48.35 | 74.00 | -25.65 | 34.79 | 36.22 | 15.51 | 38.58 | 0.41 | -- | Peak | 4 | 7440.00 | 23.59 | 54.00 | -30.41 | -- | -- | -- | -- | -- | -- | 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           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 44.94    | 74.00  | -29.06 | 36.26  | 33.16  | 12.54  | 37.64  | 0.62   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 2           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20.18    | 54.00  | -33.82 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 3           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 47.71    | 74.00  | -26.29 | 34.15  | 36.22  | 15.51  | 38.58  | 0.41   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 4           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 22.95    | 54.00  | -31.05 | --     | --     | --     | --     | --     | --     | 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           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 45.03    | 74.00  | -28.97 | 36.35  | 33.16  | 12.54  | 37.64  | 0.62   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 2           | 4960.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 20.27    | 54.00  | -33.73 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 3           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 48.35    | 74.00  | -25.65 | 34.79  | 36.22  | 15.51  | 38.58  | 0.41   | --     | Peak    |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |
| 4           | 7440.00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 23.59    | 54.00  | -30.41 | --     | --     | --     | --     | --     | --     | Average |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |   |         |       |       |        |       |       |       |       |      |    |      |   |         |       |       |        |    |    |    |    |    |    |         |



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|             | LF                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |        |        |        |        |        |          |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             | 2400-2483.5_Bluetooth BR_GFSK_CH78_2480MHz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        |          |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| ANT         | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |        |        |        |        |        |          |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| Pol.        | Horizontal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |        |        |        |        |        | Vertical |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| QPI<br>Peak | <div><div><div>Level (dBuV/m)</div><div>Date: 2025-05-22</div><div>Site : 03CH20-HY<br/>Condition: QP 3m Bilog_55606 &amp; 08_241127 HORIZONTAL</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>31.94</td><td>26.29</td><td>40.00</td><td>-13.71</td><td>37.25</td><td>23.56</td><td>0.99</td><td>35.75</td><td>0.24</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>141.55</td><td>21.20</td><td>43.50</td><td>-22.30</td><td>36.64</td><td>17.83</td><td>2.11</td><td>35.61</td><td>0.23</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>260.86</td><td>24.88</td><td>46.00</td><td>-21.12</td><td>36.99</td><td>20.20</td><td>2.87</td><td>35.37</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>508.21</td><td>28.22</td><td>46.00</td><td>-17.78</td><td>34.84</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>866.14</td><td>35.47</td><td>46.00</td><td>-10.53</td><td>34.40</td><td>29.18</td><td>5.20</td><td>33.43</td><td>0.12</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>953.44</td><td>36.78</td><td>46.00</td><td>-9.22</td><td>33.45</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><div><div>Level (dBuV/m)</div><div>Date: 2025-05-22</div><div>Site : 03CH20-HY<br/>Condition: QP 3m Bilog_55606 &amp; 08_241127 VERTICAL</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>31.94</td><td>25.13</td><td>40.00</td><td>-14.87</td><td>36.09</td><td>23.56</td><td>0.99</td><td>35.75</td><td>0.24</td><td>--</td><td>Peak</td></tr><tr><td>2</td><td>180.35</td><td>25.94</td><td>43.50</td><td>-17.56</td><td>43.80</td><td>15.10</td><td>2.39</td><td>35.54</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>3</td><td>239.52</td><td>27.17</td><td>46.00</td><td>-18.83</td><td>42.34</td><td>17.31</td><td>2.75</td><td>35.42</td><td>0.19</td><td>--</td><td>Peak</td></tr><tr><td>4</td><td>495.60</td><td>31.26</td><td>46.00</td><td>-14.74</td><td>38.11</td><td>23.88</td><td>3.92</td><td>34.78</td><td>0.13</td><td>--</td><td>Peak</td></tr><tr><td>5</td><td>594.54</td><td>32.74</td><td>46.00</td><td>-13.26</td><td>36.90</td><td>25.92</td><td>4.31</td><td>34.48</td><td>0.09</td><td>--</td><td>Peak</td></tr><tr><td>6</td><td>954.41</td><td>36.25</td><td>46.00</td><td>-9.75</td><td>32.92</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></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 | 31.94 | 26.29 | 40.00 | -13.71 | 37.25 | 23.56 | 0.99 | 35.75 | 0.24 | -- | Peak | 2 | 141.55 | 21.20 | 43.50 | -22.30 | 36.64 | 17.83 | 2.11 | 35.61 | 0.23 | -- | Peak | 3 | 260.86 | 24.88 | 46.00 | -21.12 | 36.99 | 20.20 | 2.87 | 35.37 | 0.19 | -- | Peak | 4 | 508.21 | 28.22 | 46.00 | -17.78 | 34.84 | 24.02 | 3.98 | 34.75 | 0.13 | -- | Peak | 5 | 866.14 | 35.47 | 46.00 | -10.53 | 34.40 | 29.18 | 5.20 | 33.43 | 0.12 | -- | Peak | 6 | 953.44 | 36.78 | 46.00 | -9.22 | 33.45 | 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 | 31.94 | 25.13 | 40.00 | -14.87 | 36.09 | 23.56 | 0.99 | 35.75 | 0.24 | -- | Peak | 2 | 180.35 | 25.94 | 43.50 | -17.56 | 43.80 | 15.10 | 2.39 | 35.54 | 0.19 | -- | Peak | 3 | 239.52 | 27.17 | 46.00 | -18.83 | 42.34 | 17.31 | 2.75 | 35.42 | 0.19 | -- | Peak | 4 | 495.60 | 31.26 | 46.00 | -14.74 | 38.11 | 23.88 | 3.92 | 34.78 | 0.13 | -- | Peak | 5 | 594.54 | 32.74 | 46.00 | -13.26 | 36.90 | 25.92 | 4.31 | 34.48 | 0.09 | -- | Peak | 6 | 954.41 | 36.25 | 46.00 | -9.75 | 32.92 | 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           | 31.94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 26.29  | 40.00  | -13.71 | 37.25  | 23.56  | 0.99     | 35.75  | 0.24   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 2           | 141.55                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 21.20  | 43.50  | -22.30 | 36.64  | 17.83  | 2.11     | 35.61  | 0.23   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 3           | 260.86                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 24.88  | 46.00  | -21.12 | 36.99  | 20.20  | 2.87     | 35.37  | 0.19   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 4           | 508.21                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 28.22  | 46.00  | -17.78 | 34.84  | 24.02  | 3.98     | 34.75  | 0.13   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 5           | 866.14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 35.47  | 46.00  | -10.53 | 34.40  | 29.18  | 5.20     | 33.43  | 0.12   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 6           | 953.44                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36.78  | 46.00  | -9.22  | 33.45  | 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           | 31.94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25.13  | 40.00  | -14.87 | 36.09  | 23.56  | 0.99     | 35.75  | 0.24   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 2           | 180.35                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 25.94  | 43.50  | -17.56 | 43.80  | 15.10  | 2.39     | 35.54  | 0.19   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 3           | 239.52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 27.17  | 46.00  | -18.83 | 42.34  | 17.31  | 2.75     | 35.42  | 0.19   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 4           | 495.60                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 31.26  | 46.00  | -14.74 | 38.11  | 23.88  | 3.92     | 34.78  | 0.13   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 5           | 594.54                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 32.74  | 46.00  | -13.26 | 36.90  | 25.92  | 4.31     | 34.48  | 0.09   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
| 6           | 954.41                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 36.25  | 46.00  | -9.75  | 32.92  | 30.94  | 5.44     | 33.14  | 0.09   | --     | Peak |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |          |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |
|             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |        |        |        |        |        |          |        |        |        |      |  |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |  |       |      |     |       |        |     |      |      |        |      |       |      |        |       |        |      |        |        |  |  |     |        |        |    |      |      |    |    |    |     |   |       |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |        |       |       |      |       |      |    |      |   |        |       |       |       |       |       |      |       |      |    |      |

## Appendix D. Duty Cycle Plots



### Note:

1. Worst case Duty cycle = on time/100 milliseconds =  $2 * 2.89 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor =  $20 * \log(\text{Duty cycle}) = -24.76 \text{ dB}$
3. 3DH5 has the highest duty cycle worst case and is reported.

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

Bluetooth normal hopping rate is 1600Hz and reduced to 800Hz in AFH mode; due to the reduced number of hopping frequencies, with the same packet configuration the dwell time in each channel frequency within 100msec period is longer in AFH mode than normal mode.

In AFH mode, the minimum hopping frequencies are 20, to get the longest dwell time DH5 packet is observed; the on time period to have DH5 packet completing one hopping sequence is

$$2.89 \text{ ms} \times 20 \text{ channels} = 57.6 \text{ ms}$$

There cannot be 2 complete hopping sequences within 100ms period, considering the random hopping behavior, maximum 2 hops can be possibly observed within the period.  $[100 \text{ ms} / 57.6 \text{ ms}] = 2 \text{ hops}$

Thus, the maximum possible ON time:

$$2.89 \text{ ms} \times 2 = 5.76 \text{ ms}$$

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

$$20 \times \log(5.76 \text{ ms}/100 \text{ ms}) = -24.76 \text{ dB}$$