

# FCC Radio Test Report

**FCC ID** : 2APLE18300423  
**Equipment** : Safe Button  
**Brand Name** : Arlo  
**Model Name** : ASB1001  
**Applicant** : Arlo Technologies Inc  
2200 Faraday Avenue, Suite 150, Carlsbad, CA 92008, USA  
**Manufacturer** : Arlo Technologies Inc  
2200 Faraday Avenue, Suite 150, Carlsbad, CA 92008, USA  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Jul. 06, 2022, and testing was started from Jul. 11, 2022 and completed on Aug. 09, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.

  
Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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[illegible]

## Summary of Test Result

| Report Clause | Ref.Std. Clause | Test Items                                  | Result (PASS/FAIL) | Remark                     |
|---------------|-----------------|---------------------------------------------|--------------------|----------------------------|
| 1.1.2         | 15.203          | Antenna Requirement                         | PASS               | -                          |
| -             | 15.207          | AC Power-line Conducted Emissions           | Not Required       | Only employ battery power. |
| 3.1           | 15.247(a)       | DTS Bandwidth                               | PASS               | -                          |
| 3.2           | 15.247(b)       | Maximum Conducted Output Power              | PASS               | -                          |
| 3.3           | 15.247(e)       | Power Spectral Density                      | PASS               | -                          |
| 3.4           | 15.247(d)       | Emissions in Non-restricted Frequency Bands | PASS               | -                          |
| 3.5           | 15.247(d)       | Emissions in Restricted Frequency Bands     | PASS               | -                          |

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and explanations:**

None

**Reviewed by: Ryan Hsiao**

**Report Producer: Jenny Yang**

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

| Frequency Range (MHz) | Bluetooth Mode | Ch. Frequency (MHz) | Channel Number |
|-----------------------|----------------|---------------------|----------------|
| 2400-2483.5           | LE             | 2402-2480           | 0-39 [40]      |

| Band          | Mode           | BWch (MHz) | Nant |
|---------------|----------------|------------|------|
| 2.4-2.4835GHz | BT-LE(1Mbps)   | 1.0        | 1TX  |
| 2.4-2.4835GHz | BT-LE(125kbps) | 1.0        | 1TX  |
| 2.4-2.4835GHz | BT-LE(500kbps) | 1.0        | 1TX  |
| 2.4-2.4835GHz | BT-LE(2Mbps)   | 2.0        | 1TX  |

Note:

- Bluetooth LE uses a GFSK (1Mbps/2Mbps/125kbps/500kbps) modulation.
- BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

| Ant. | Brand | Model Name     | Antenna Type     | Connector | Gain (dBi) |
|------|-------|----------------|------------------|-----------|------------|
| 1    | Speed | 0790A2121L-A01 | Omni-directional | NA        | -1.72      |

Note 1: The EUT has one antenna.

**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.

### 1.1.3 EUT Information

| Operational Condition               |                                                                               |                                         |     |
|-------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------|-----|
| <b>EUT Power Type</b>               | From Battery                                                                  |                                         |     |
| <b>EUT Function</b>                 | <input checked="" type="checkbox"/> Point-to-multipoint                       | <input type="checkbox"/> Point-to-point |     |
| Type of EUT                         |                                                                               |                                         |     |
| <input checked="" type="checkbox"/> | Stand-alone                                                                   |                                         |     |
| <input type="checkbox"/>            | Combined (EUT where the radio part is fully integrated within another device) |                                         |     |
|                                     | Combined Equipment - Brand Name / Model No.:                                  |                                         | ... |
| <input type="checkbox"/>            | Plug-in radio (EUT intended for a variety of host systems)                    |                                         |     |
|                                     | Host System - Brand Name / Model No.:                                         |                                         | ... |
| <input type="checkbox"/>            | Other:                                                                        |                                         |     |

### 1.1.4 Mode Test Duty Cycle

| Mode           | DC    | DCF(dB) | T(s)   | VBW(Hz) $\geq 1/T$ |
|----------------|-------|---------|--------|--------------------|
| BT-LE(1Mbps)   | 0.855 | 0.68    | 2.139m | 1k                 |
| BT-LE(125kbps) | 0.978 | 0.1     | 17.06m | 100                |
| BT-LE(500kbps) | 0.912 | 0.4     | 4.561m | 300                |
| BT-LE(2Mbps)   | 0.603 | 2.2     | 1.082m | 1k                 |

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

## 1.2 Testing Applied Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of TAF:

- ♦ KDB 558074 D01 v05r02
- ♦ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

| Test Lab. : Sporton International Inc. Hsinhua Laboratory  |                                                                                         |               |                      |                         |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------|---------------|----------------------|-------------------------|
| <input checked="" type="checkbox"/> Hsinhua<br>(TAF: 3785) | ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)          |               |                      |                         |
|                                                            | TEL: 886-3-327-3456                                                                     |               | FAX: 886-3-327-0973  |                         |
| Test site Designation No. TW3785 with FCC.                 |                                                                                         |               |                      |                         |
| Test Condition                                             | Test Site No.                                                                           | Test Engineer | Test Environment     | Test Date               |
| RF Conducted                                               | TH06-HY                                                                                 | Luby Hsu      | 20.1~26.9°C / 50~60% | 11/Jul/2022~09/Aug/2022 |
| Radiated                                                   | 03CH03-HY                                                                               | Edward Wang   | 21.5~23.2°C / 50~60% | 30/Jul/2022~31/Jul/2022 |
| <input type="checkbox"/> Wen 33rd.St.<br>(TAF: 3785)       | ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) |               |                      |                         |
|                                                            | TEL: 886-3-318-0787                                                                     |               | FAX: 886-3-318-0287  |                         |
| Test site Designation No. TW0008 with FCC.                 |                                                                                         |               |                      |                         |

## 1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

| Test Items                                  | Uncertainty | Remark                   |
|---------------------------------------------|-------------|--------------------------|
| Bandwidth                                   | 3 MHz       | Confidence levels of 95% |
| Maximum Conducted Output Power              | 2 dB        | Confidence levels of 95% |
| Power Spectral Density                      | 2 dB        | Confidence levels of 95% |
| Emissions in Non-restricted Frequency Bands | 0.14 dB     | Confidence levels of 95% |
| Emissions in Restricted Frequency Bands     | 4.8 dB      | Confidence levels of 95% |
| Receiver Radiated Unwanted Emissions        | 4.8 dB      | Confidence levels of 95% |
| Temperature                                 | 0.41 °C     | Confidence levels of 95% |
| Humidity                                    | 3.4 %       | Confidence levels of 95% |

## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

| Test Software Version | PuTTY Release0.62 |
|-----------------------|-------------------|
| Mode                  | Power Setting     |
| BT-LE(1Mbps)          | -                 |
| 2402MHz               | 8                 |
| 2440MHz               | 8                 |
| 2480MHz               | 8                 |
| BT-LE(2Mbps)          | -                 |
| 2402MHz               | 8                 |
| 2440MHz               | 8                 |
| 2480MHz               | 8                 |
| BT-LE(125kbps)        | -                 |
| 2402MHz               | 8                 |
| 2440MHz               | 8                 |
| 2480MHz               | 8                 |
| BT-LE(500kbps)        | -                 |
| 2402MHz               | 8                 |
| 2440MHz               | 8                 |
| 2480MHz               | 8                 |

## 2.2 The Worst Case Measurement Configuration

| The Worst Case Mode for Following Conformance Tests |                                                                                                                          |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | DTS Bandwidth<br>Maximum Conducted Output Power<br>Power Spectral Density<br>Emissions in Non-restricted Frequency Bands |
| <b>Test Condition</b>                               | Conducted measurement at transmit chains                                                                                 |

| The Worst Case Mode for Following Conformance Tests |                                                                                                                                                                                                                                                     |                                                                                      |                                                                                       |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| <b>Tests Item</b>                                   | Emissions in Restricted Frequency Bands                                                                                                                                                                                                             |                                                                                      |                                                                                       |
| <b>Test Condition</b>                               | Radiated measurement<br>If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. |                                                                                      |                                                                                       |
| <b>Operating Mode &lt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |                                                                                      |                                                                                       |
| 1                                                   | Battery mode                                                                                                                                                                                                                                        |                                                                                      |                                                                                       |
| <b>Operating Mode &gt; 1GHz</b>                     | CTX                                                                                                                                                                                                                                                 |                                                                                      |                                                                                       |
| <b>Orthogonal Planes of EUT</b>                     | <b>X Plane</b>                                                                                                                                                                                                                                      | <b>Y Plane</b>                                                                       | <b>Z Plane</b>                                                                        |
|                                                     |                                                                                                                                                                  |  |  |
| <b>Worst Planes of EUT</b>                          |                                                                                                                                                                                                                                                     | V                                                                                    |                                                                                       |

## 2.3 Accessories

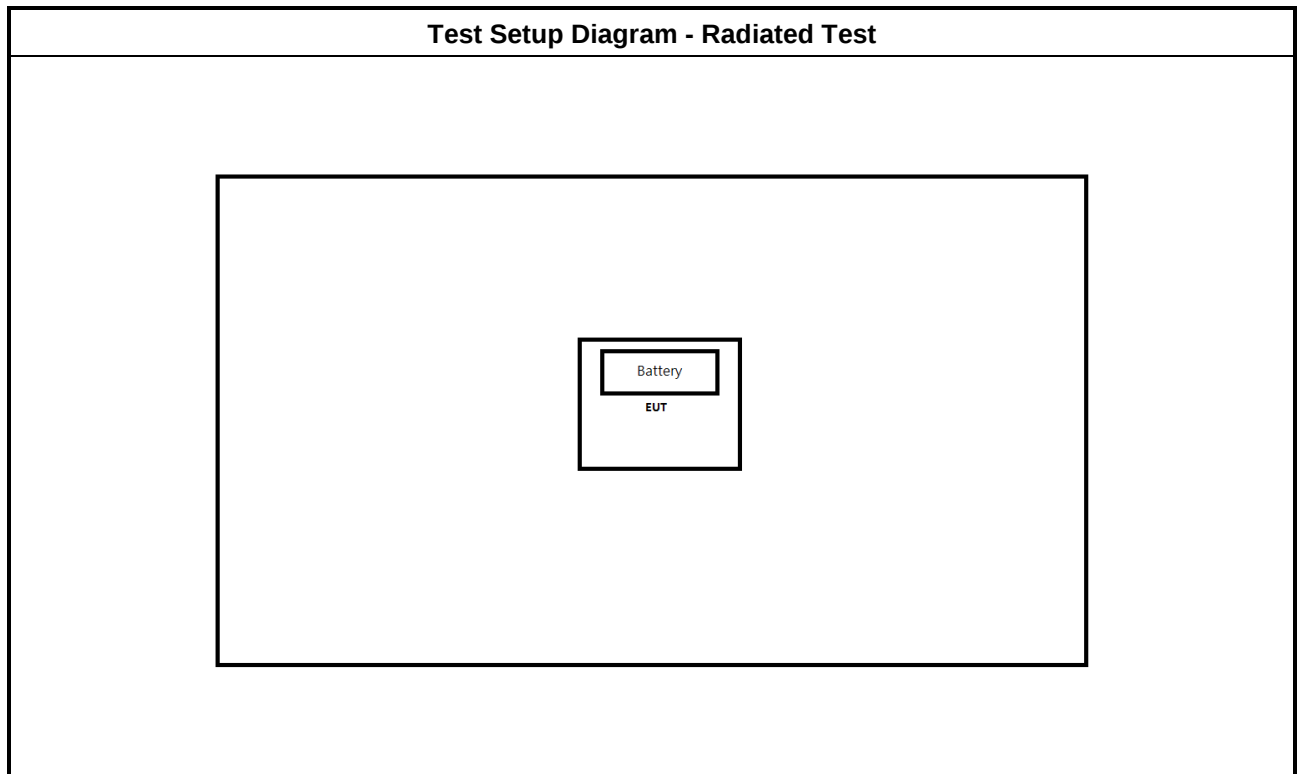
| Accessories |              |                   |            |                                  |
|-------------|--------------|-------------------|------------|----------------------------------|
| Battery     | Brand Name   | Tenergy           | Model Name | ER14250                          |
|             | Manufacturer | Tenergy           | SN         | 30300-0                          |
|             | Power Rating | 3.6 Vdc, 1200 mAh | Type       | Lithium-thionyl Chloride Battery |

Reminder: Regarding to more detail and other information, please refer to user manual.

## 2.4 Support Equipment

| Support Equipment – Conducted |                 |            |            |        |        |
|-------------------------------|-----------------|------------|------------|--------|--------|
| No.                           | Equipment       | Brand Name | Model Name | FCC ID | Remark |
| 1                             | Notebook        | HP         | HSTNN-142C | -      | -      |
| 2                             | Adapter for NB  | HP         | HSTNN-LA40 | -      | -      |
| 3                             | DC Power Supply | GW         | GPS-3030DD | -      | -      |

## 2.5 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 DTS Bandwidth

##### 3.1.1 6dB Bandwidth Limit

| 6dB Bandwidth Limit                          |                                |
|----------------------------------------------|--------------------------------|
| Systems using digital modulation techniques: |                                |
| ▪                                            | 6 dB bandwidth $\geq$ 500 kHz. |

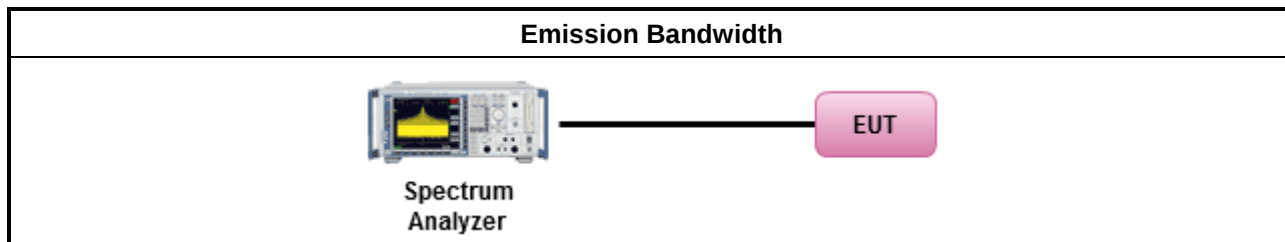
##### 3.1.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

##### 3.1.3 Test Procedures

| Test Method                         |                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------|
| ▪                                   | For the emission bandwidth shall be measured using one of the options below:     |
| <input checked="" type="checkbox"/> | Refer as KDB 558074, clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement. |
| <input type="checkbox"/>            | Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.                     |
| <input type="checkbox"/>            | Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.               |

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

## 3.2 Maximum Conducted Output Power

### 3.2.1 Maximum Conducted Output Power Limit

| Maximum Conducted Output Power Limit                                                                                                                              |                                                                                                                                                                                 |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>                                                |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>       |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>          |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Smart antenna system (SAS):</li> </ul>                                                                                                   |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>                         |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>                        |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul> |
| <b>e.i.r.p. Power Limit:</b>                                                                                                                                      |                                                                                                                                                                                 |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>2400-2483.5 MHz Band</li> </ul>                                                                                                          |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-multipoint systems (P2M): <math>P_{eirp} \leq 36</math> dBm (4 W)</li> </ul>                                                    |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Point-to-point systems (P2P): <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])</math> dBm</li> </ul>                               |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>Smart antenna system (SAS)</li> </ul>                                                                                                    |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Single beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>                                                |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Overlap beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>                                               |
|                                                                                                                                                                   | <ul style="list-style-type: none"> <li>- Aggregate power on all beams: <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])</math> dBm</li> </ul>                         |
| $P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm,<br>$G_{TX}$ = the maximum transmitting antenna directional gain in dBi. |                                                                                                                                                                                 |

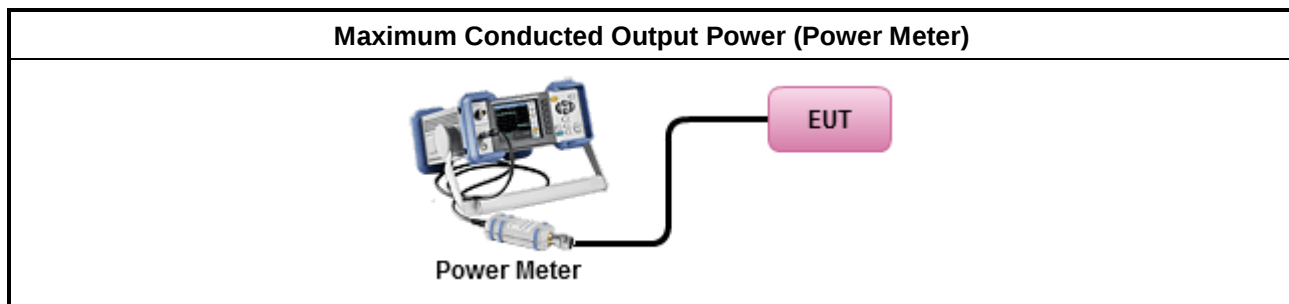
### 3.2.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.2.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                        |                                                                                             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Maximum Peak Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                              |                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method. |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.             |
| <ul style="list-style-type: none"> <li>Maximum Average Conducted Output Power</li> </ul>                                                                                                                                                                                                                                                                           |                                                                                             |
| <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                           | Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.    |
| <input checked="" type="checkbox"/>                                                                                                                                                                                                                                                                                                                                | Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.          |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                       |                                                                                             |
| <ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:<br/>Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul> |                                                                                             |
| <ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:<br/> <math>P_{total} = P_1 + P_2 + \dots + P_n</math><br/>                     (calculated in linear unit [mW] and transfer to log unit [dBm])<br/> <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>                                     |                                                                                             |

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

### 3.3 Power Spectral Density

#### 3.3.1 Power Spectral Density Limit

| Power Spectral Density Limit                                                                |
|---------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Power Spectral Density (PSD) ≤ 8 dBm/3kHz</li> </ul> |

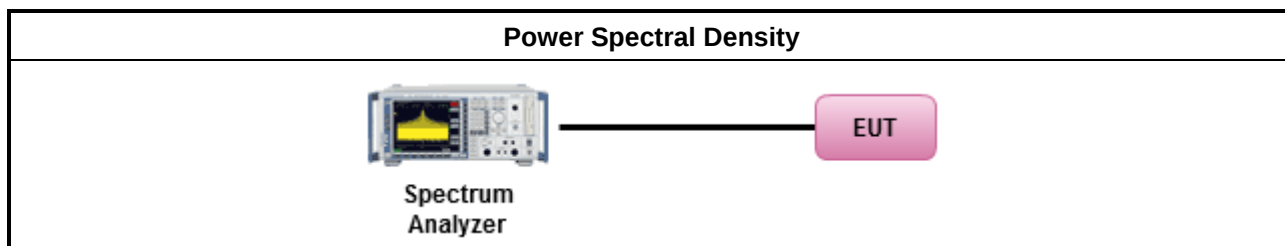
#### 3.3.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedures

| Test Method                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).</li> </ul>                                                                                                         |
| <input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <ul style="list-style-type: none"> <li>Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.</li> </ul> |

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

### 3.4 Emissions in Non-restricted Frequency Bands

#### 3.4.1 Emissions in Non-restricted Frequency Bands Limit

| Un-restricted Band Emissions Limit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| RF output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Limit (dB) |
| Peak output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 20         |
| Average output power procedure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 30         |
| <p>Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level.</p> <p>Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.</p> |            |

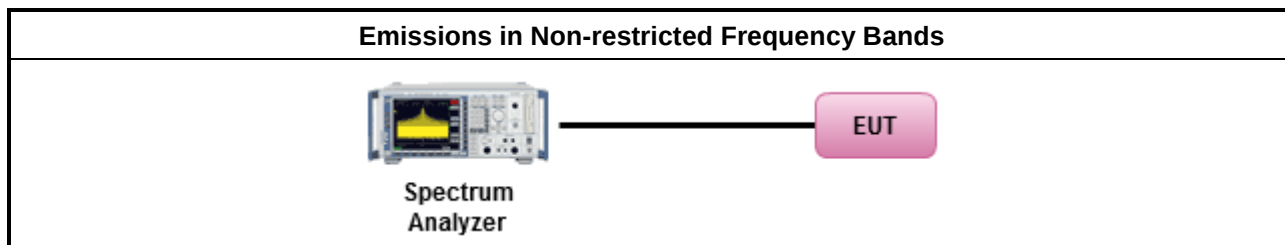
#### 3.4.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

| Test Method                                                                                                                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.</li> </ul> |

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

### 3.5 Emissions in Restricted Frequency Bands

#### 3.5.1 Emissions in Restricted Frequency Bands Limit

| Restricted Band Emissions Limit |                       |                         |                      |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz)           | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490                     | 2400/F(kHz)           | 48.5 - 13.8             | 300                  |
| 0.490~1.705                     | 24000/F(kHz)          | 33.8 - 23               | 30                   |
| 1.705~30.0                      | 30                    | 29                      | 30                   |
| 30~88                           | 100                   | 40                      | 3                    |
| 88~216                          | 150                   | 43.5                    | 3                    |
| 216~960                         | 200                   | 46                      | 3                    |
| Above 960                       | 500                   | 54                      | 3                    |

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB / decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

#### 3.5.2 Measuring Instruments

Refer a test equipment and calibration data table in this test report.

### 3.5.3 Test Procedures

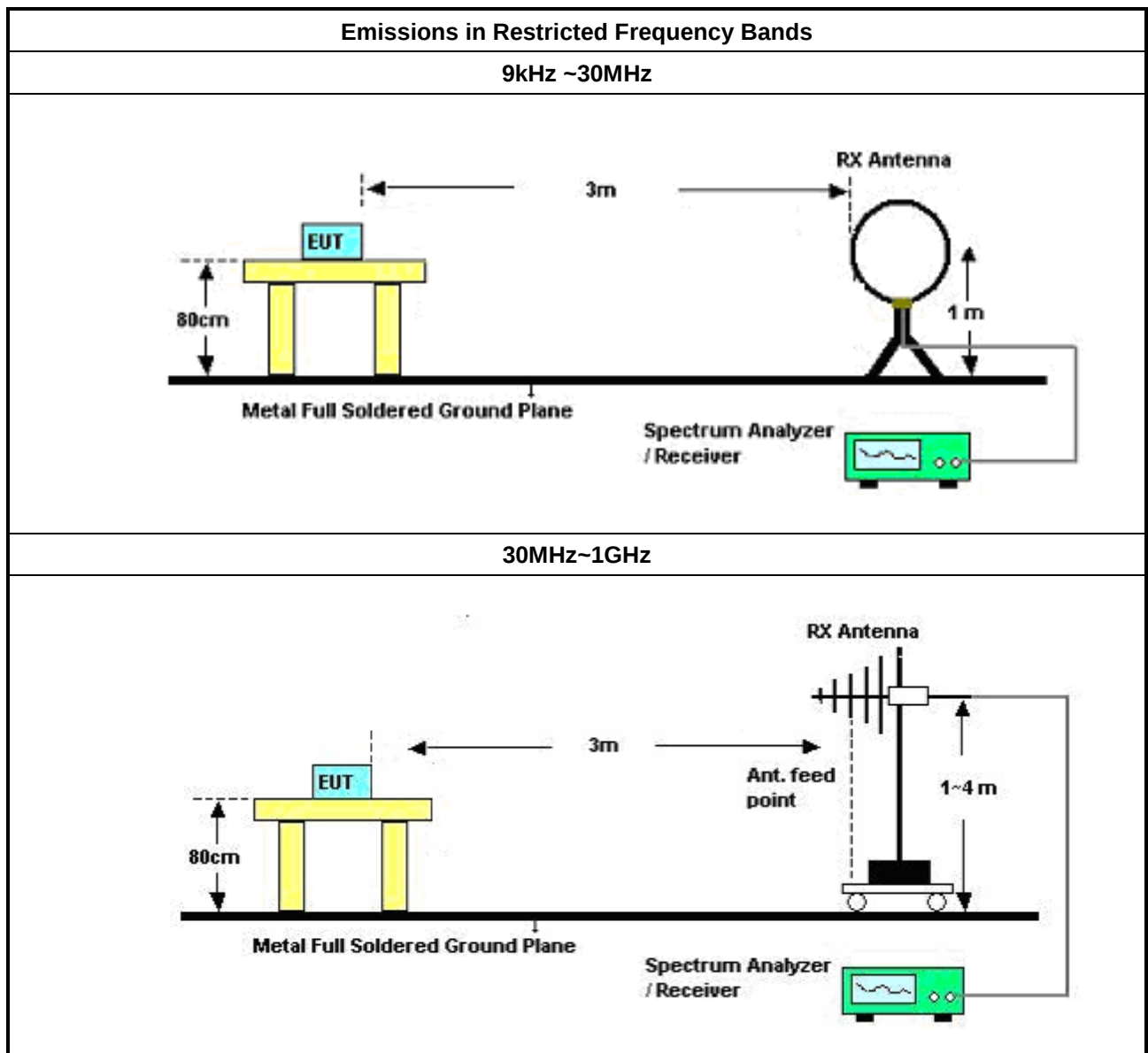
| Test Method                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>                                                                        |                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul> |                                                                                                                                                                                                                                                                  |
| <ul style="list-style-type: none"> <li>For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>                                                                                   |                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.</li> </ul>                                                                                                                         |
| <ul style="list-style-type: none"> <li>For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>                                                                                  |                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.</li> </ul> |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.</li> </ul>                                                                                                  |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.</li> </ul>                                                                             |
| <ul style="list-style-type: none"> <li>Use the following spectrum analyzer settings:</li> </ul>                                                                                                                             |                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>                                                                                          |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement. For average measurement, refer as 1.1.4.</li> </ul>                                                                                        |
| <ul style="list-style-type: none"> <li>KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>                                                                                                   |                                                                                                                                                                                                                                                                  |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.</li> </ul>            |
|                                                                                                                                                                                                                             | <ul style="list-style-type: none"> <li>Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>                                                                             |

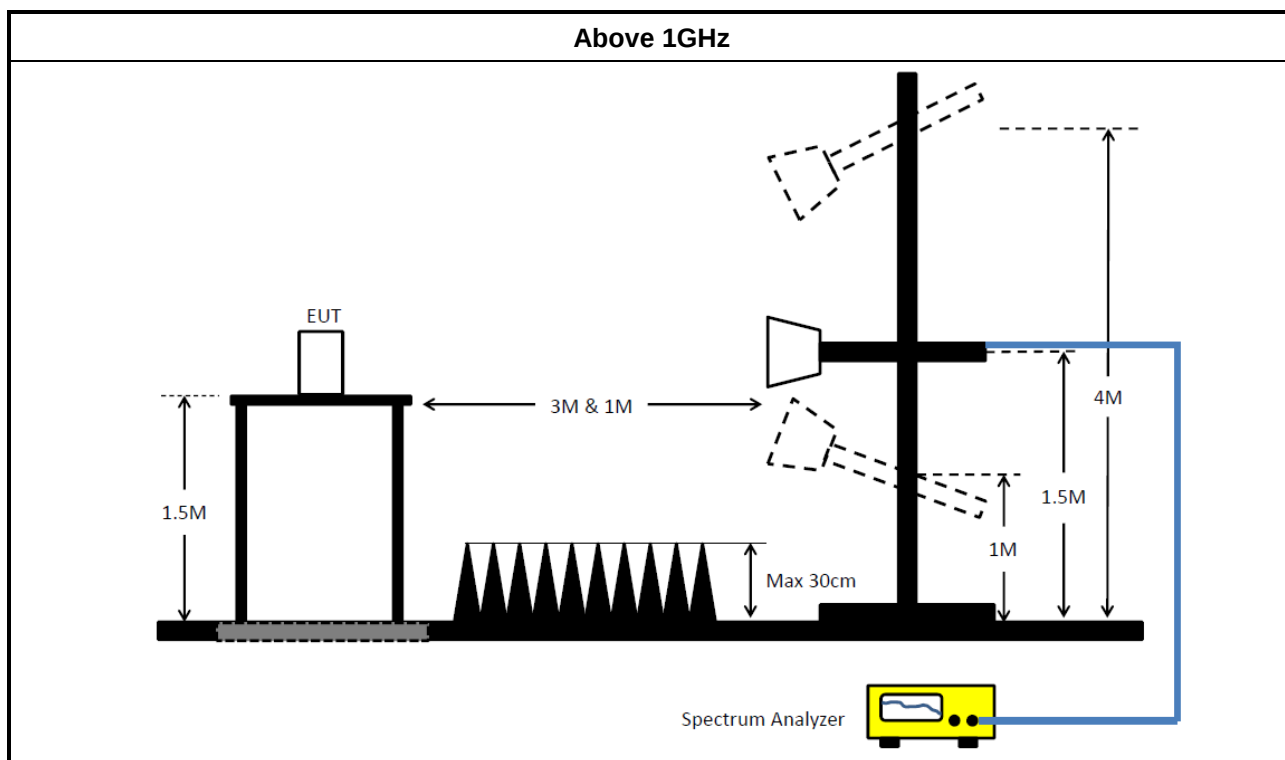
### 3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

### 3.5.5 Test Setup





### 3.5.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

### 3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

## 4 Test Equipment and Calibration Data

### Instrument for Conducted Test

| Instrument               | Manufacturer /Brand | Model No.  | Serial No. | Spec.        | Calibration Date | Calibration Due Date |
|--------------------------|---------------------|------------|------------|--------------|------------------|----------------------|
| Signal Analyzer          | R&S                 | FSV 40     | 101029     | 10Hz~40GHz   | 20/Oct/2021      | 19/Oct/2022          |
| SMB100A Signal Generator | R&S                 | SMB100A    | 181147     | 100kHz~40GHz | 21/Oct/2021      | 20/Oct/2022          |
| Pulse Sensor             | Anritsu             | MA2411B    | 1027452    | 300MHz~40GHz | 25/Mar/2022      | 24/Mar/2023          |
| Power Meter              | Anritsu             | ML2495A    | 1124009    | 300MHz~40GHz | 25/Mar/2022      | 24/Mar/2023          |
| SENSE-15247_FS           | Sporton             | V5.10.7.16 | N/A        | N/A          | N/A              | N/A                  |

### Instrument for Radiated Test

| Instrument                       | Manufacturer /Brand | Model No.         | Serial No.                | Spec.            | Calibration Date | Calibration Due Date |
|----------------------------------|---------------------|-------------------|---------------------------|------------------|------------------|----------------------|
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M            | 03CH03-HY                 | 30MHz~1GHz<br>3m | 03/Aug/2021      | 02/Aug/2022          |
| 3m Semi Anechoic Chamber         | SIDT FRANKONIA      | SAC-3M            | 03CH03-HY                 | 1GHz~18GHz<br>3m | 03/Aug/2021      | 02/Aug/2022          |
| Signal Analyzer                  | R&S                 | FSV40             | 101500                    | 10Hz~40GHz       | 12/Oct/2021      | 11/Oct/2022          |
| Amplifier                        | HP                  | 8447D             | 2944A08033                | 10kHz~1.3GHz     | 08/Apr/2022      | 07/Apr/2023          |
| Double Ridged Guide Horn Antenna | SCHWARZBECK         | BBHA 9120 D       | 02267                     | 1GHz ~18GHz      | 14/Sep/2021      | 13/Sep/2022          |
| Bilog Antenna & 6dB Attenuator   | SCHAFFNER / EMC     | CBL6112B / N-6-05 | 22237 / AT-N-0603         | 30MHz~1GHz       | 17/Oct/2021      | 16/Oct/2022          |
| RF Cable-R03m                    | Jye Bao             | RG142             | CB021                     | 9kHz~30MHz       | 13/Jun/2022      | 12/Jun/2023          |
| RF Cable-R03m                    | Jye Bao             | RG142             | MY37335/4+CB021-1+CB021-2 | 30MHz~1GHz       | 22/Mar/2022      | 21/Mar/2023          |
| RF CABLE 5+6m                    | HUBER+SUHNER        | SUOFLEX 104       | SN MY38596/4+SN 804300/4  | 1GHz~40GHz       | 27/Jul/2022      | 26/Jul/2023          |
| Broadband Horn Antenna           | SCHWARZBECK         | BBHA 9170         | BBHA 9170221              | 15GHz~40GHz      | 18/Mar/2022      | 17/Mar/2023          |
| Microwave Prempplier             | EMC INSTRUMENTS     | EM18G40G          | 060604                    | 18GHz ~ 40GHz    | 08/Mar/2022      | 07/Mar/2023          |
| Loop Antenna                     | TESEQ               | HLA 6120          | 31244                     | 9kHz~30MHz       | 18/Mar/2022      | 17/Mar/2023          |
| Microwave Preampplier            | Agilent             | 8449B             | 3008A02326                | 1GHz~26.5GHz     | 14/Jul/2022      | 13/Jul/2023          |
| EMI Test Receiver                | R&S                 | ESR3              | 102052                    | 9kHz~3.6GHz      | 13/May/2022      | 12/May/2023          |
| SENSE-15224_FS                   | Sporton             | v5.10.7.14        | NA                        | NA               | NA               | NA                   |

**Summary**

| Mode           | Max-N dB<br>(Hz) | Max-OBW<br>(Hz) | ITU-Code | Min-N dB<br>(Hz) | Min-OBW<br>(Hz) |
|----------------|------------------|-----------------|----------|------------------|-----------------|
| 2.4-2.4835GHz  | -                | -               | -        | -                | -               |
| BT-LE(1Mbps)   | 646.25k          | 1.019M          | 1M02F1D  | 645k             | 1.016M          |
| BT-LE(2Mbps)   | 1.155M           | 2.026M          | 2M03F1D  | 1.15M            | 2.024M          |
| BT-LE(125kbps) | 605k             | 1.047M          | 1M05F1D  | 602.5k           | 1.046M          |
| BT-LE(500kbps) | 661.25k          | 1.021M          | 1M02F1D  | 658.75k          | 1.013M          |

Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;  
Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth

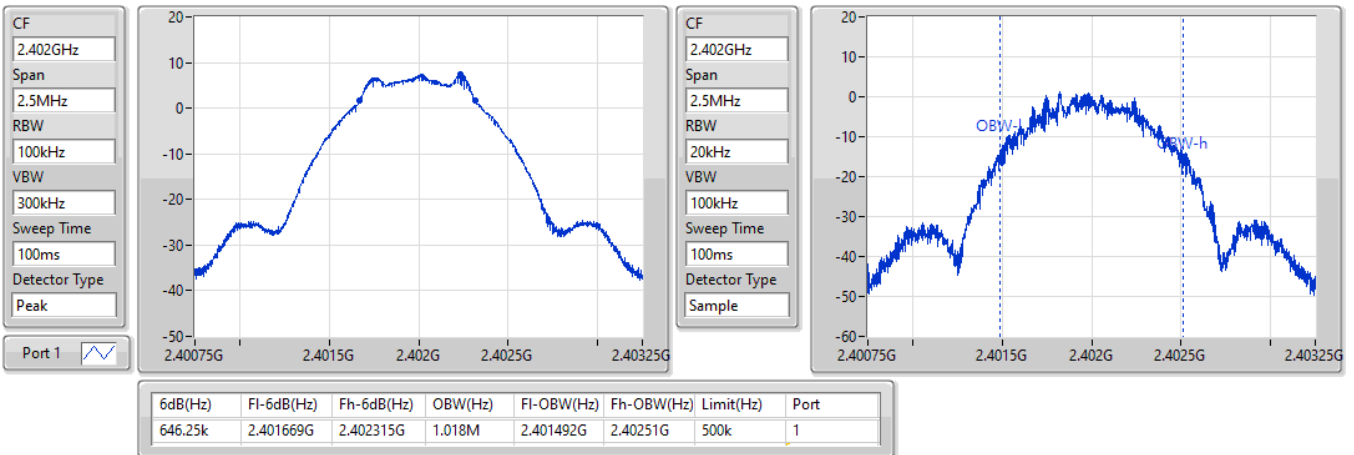
**Result**

| Mode           | Result | Limit<br>(Hz) | Port 1-N dB<br>(Hz) | Port 1-OBW<br>(Hz) |
|----------------|--------|---------------|---------------------|--------------------|
| BT-LE(1Mbps)   | -      | -             | -                   | -                  |
| 2402MHz        | Pass   | 500k          | 646.25k             | 1.018M             |
| 2440MHz        | Pass   | 500k          | 645k                | 1.016M             |
| 2480MHz        | Pass   | 500k          | 645k                | 1.019M             |
| BT-LE(2Mbps)   | -      | -             | -                   | -                  |
| 2402MHz        | Pass   | 500k          | 1.155M              | 2.026M             |
| 2440MHz        | Pass   | 500k          | 1.15M               | 2.024M             |
| 2480MHz        | Pass   | 500k          | 1.155M              | 2.026M             |
| BT-LE(125kbps) | -      | -             | -                   | -                  |
| 2402MHz        | Pass   | 500k          | 603.75k             | 1.046M             |
| 2440MHz        | Pass   | 500k          | 605k                | 1.047M             |
| 2480MHz        | Pass   | 500k          | 602.5k              | 1.047M             |
| BT-LE(500kbps) | -      | -             | -                   | -                  |
| 2402MHz        | Pass   | 500k          | 661.25k             | 1.016M             |
| 2440MHz        | Pass   | 500k          | 660k                | 1.013M             |
| 2480MHz        | Pass   | 500k          | 658.75k             | 1.021M             |

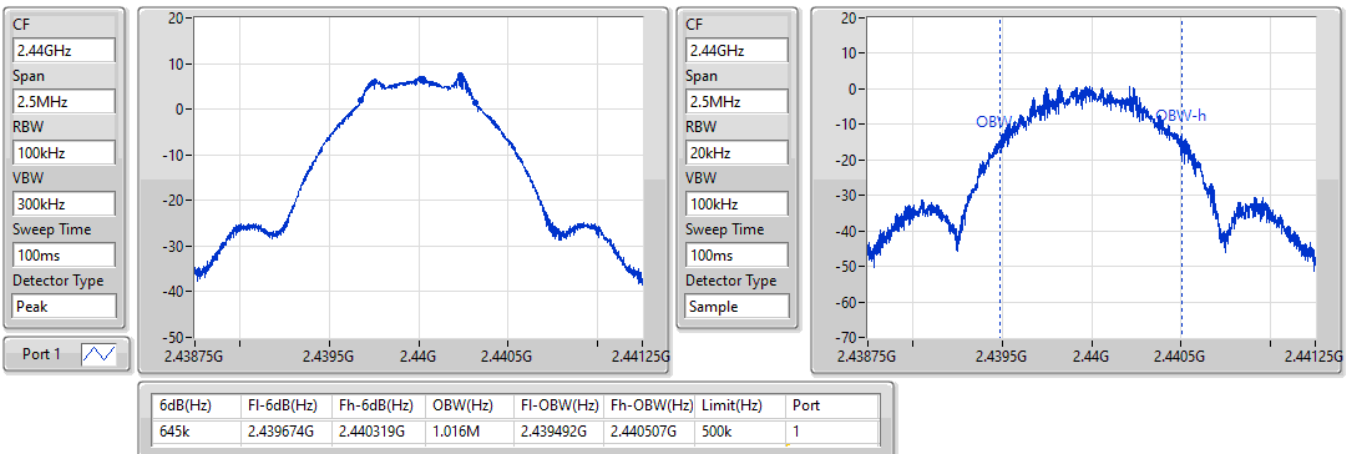
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

**BT-LE(1Mbps)**
**2402MHz**
**EBW-DTS**

11/07/2022

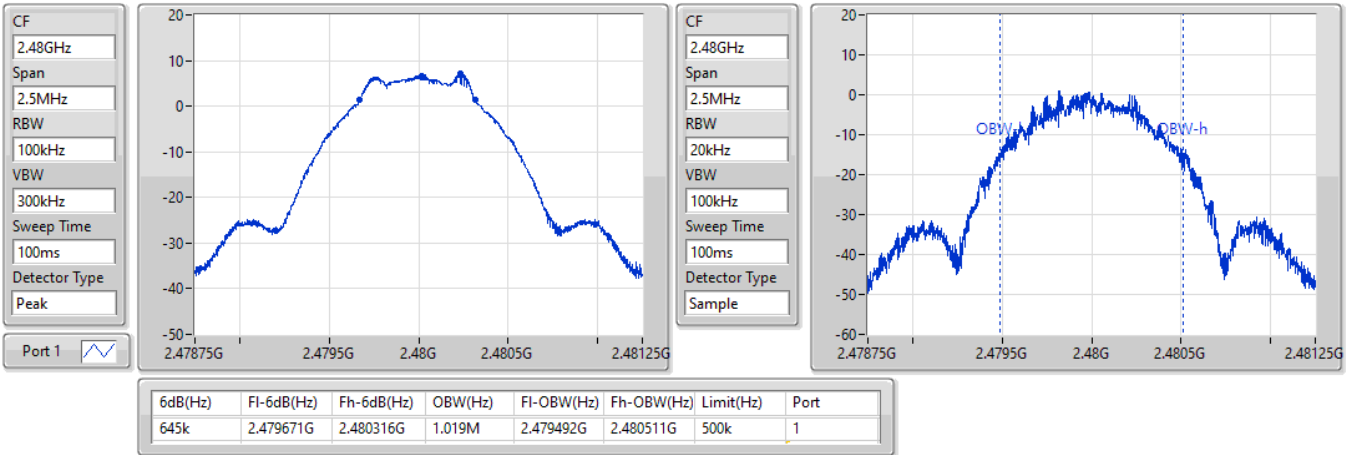

**BT-LE(1Mbps)**
**2440MHz**
**EBW-DTS**

11/07/2022

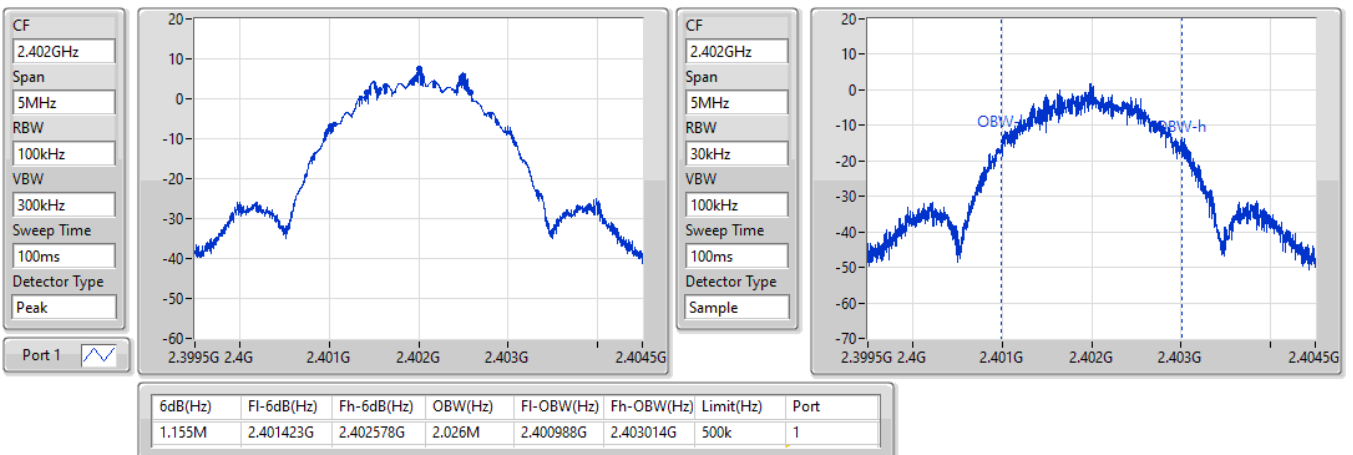


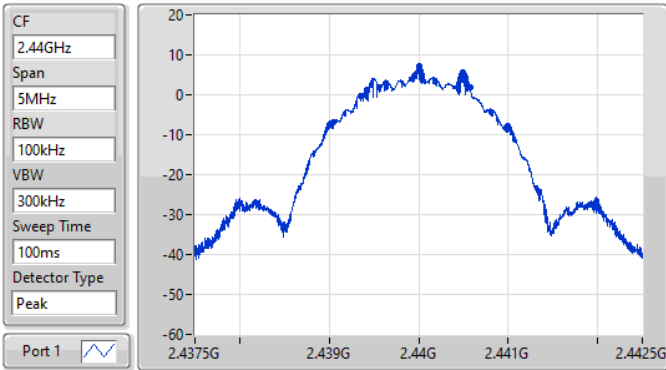
**BT-LE(1Mbps)**
**EBW-DTS**
**2480MHz**

11/07/2022


**BT-LE(2Mbps)**
**EBW-DTS**
**2402MHz**

11/07/2022

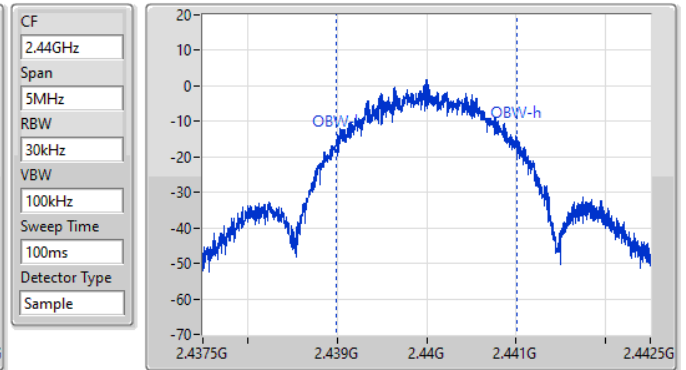
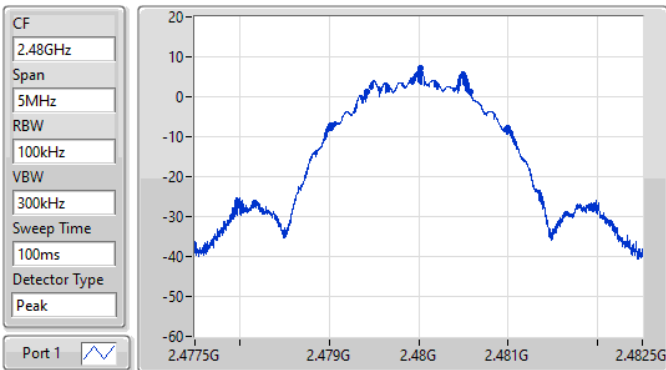


**BT-LE(2Mbps)**
**2440MHz**


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 1.15M   | 2.439423G  | 2.440573G  | 2.024M  | 2.438988G  | 2.441012G  | 500k      | 1    |

**EBW-DTS**

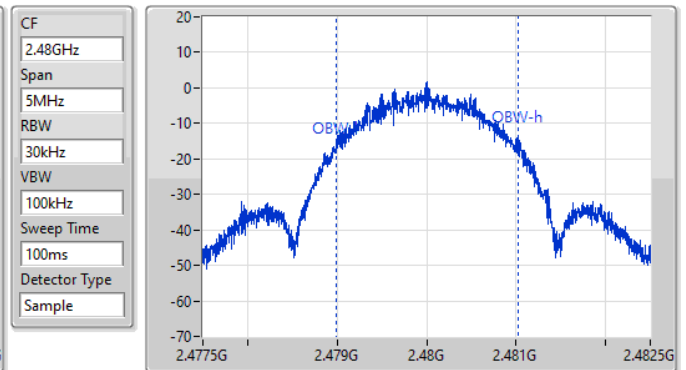
11/07/2022


**BT-LE(2Mbps)**
**2480MHz**


| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 1.155M  | 2.47942G   | 2.480575G  | 2.026M  | 2.478993G  | 2.481019G  | 500k      | 1    |

**EBW-DTS**

11/07/2022

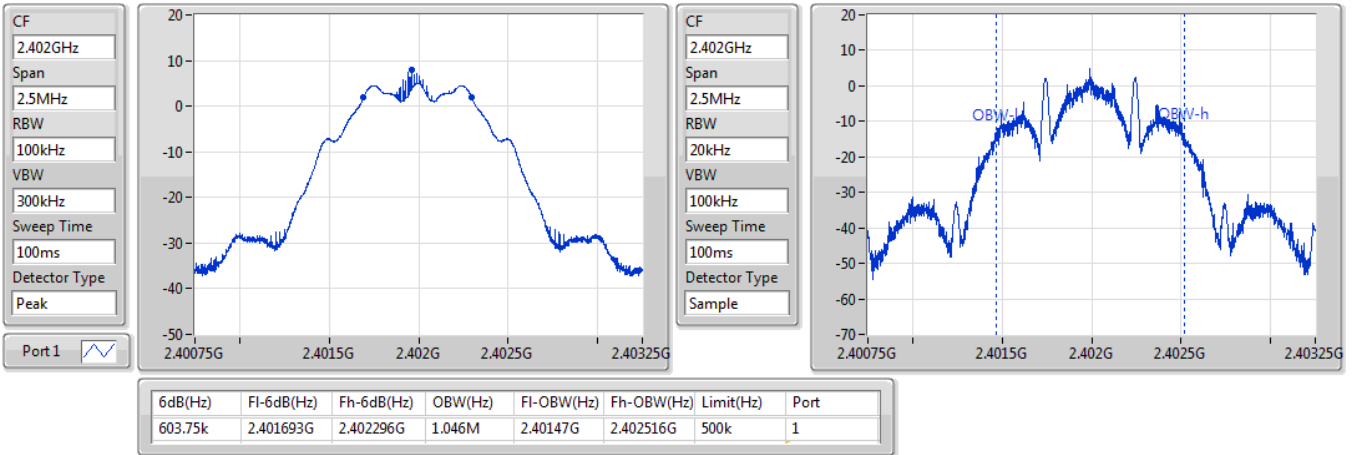


## BT-LE(125kbps)

2402MHz

## EBW-DTS

01/08/2022

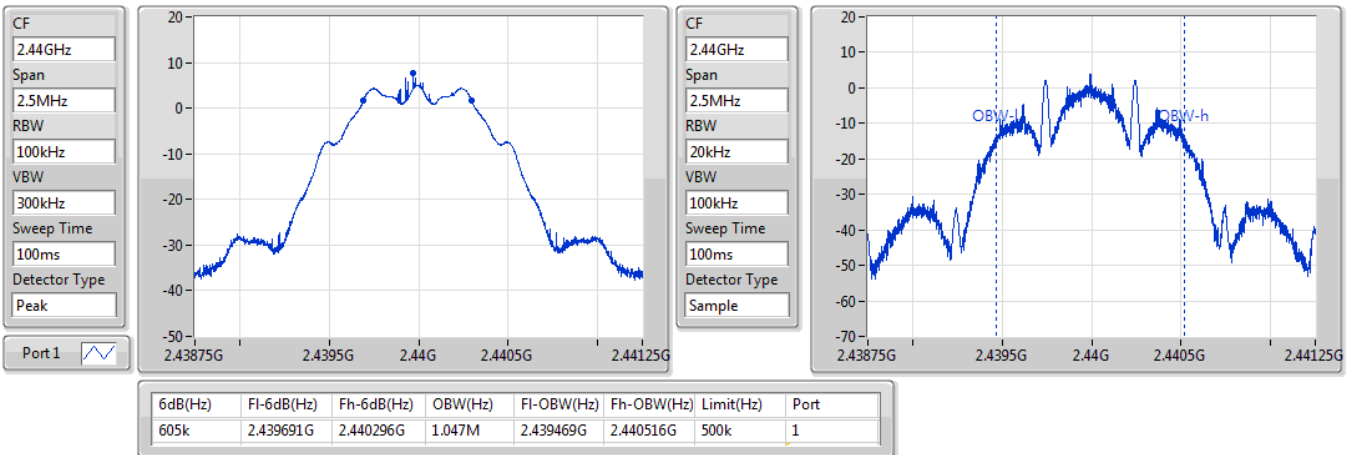


## BT-LE(125kbps)

2440MHz

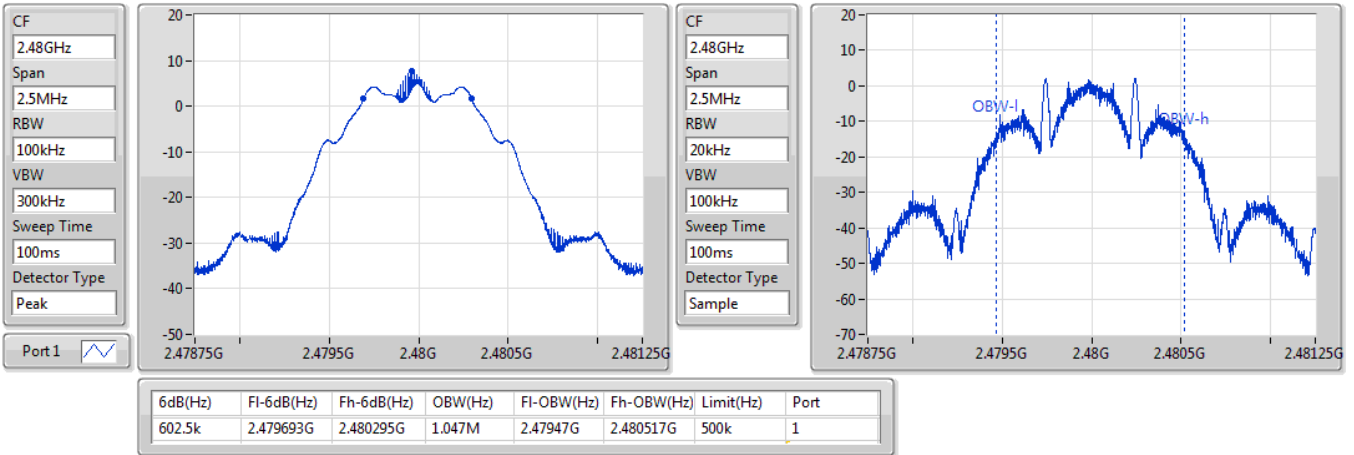
## EBW-DTS

09/08/2022

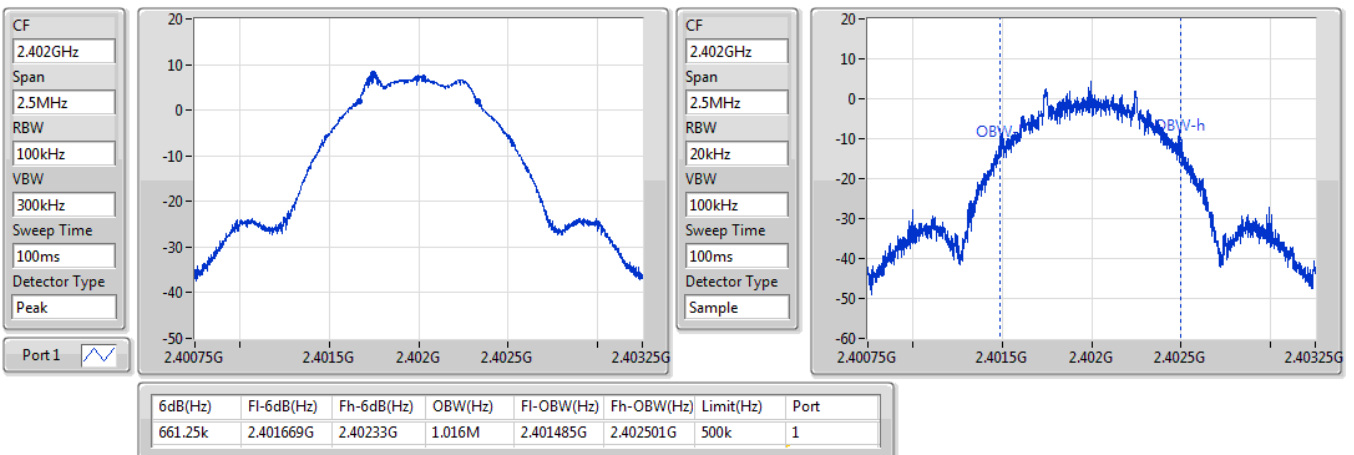


**BT-LE(125kbps)**
**EBW-DTS**
**2480MHz**

09/08/2022

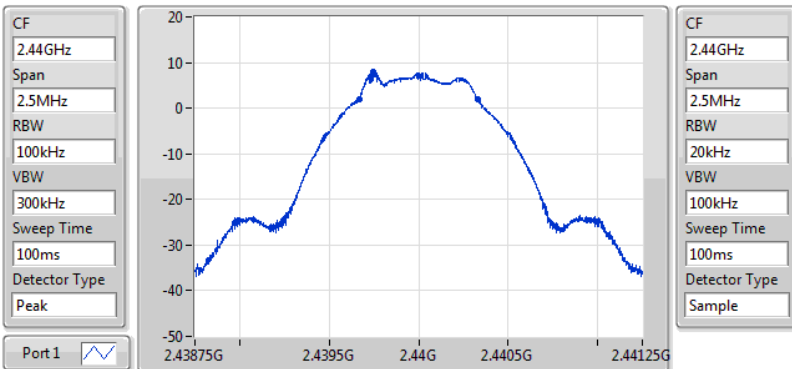

**BT-LE(500kbps)**
**EBW-DTS**
**2402MHz**

09/08/2022



BT-LE(500kbps)

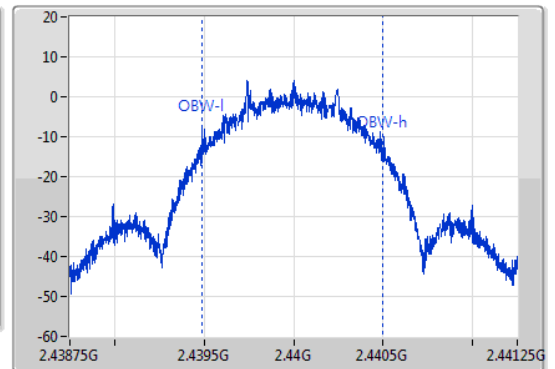
2440MHz



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 660k    | 2.439669G  | 2.440329G  | 1.013M  | 2.439487G  | 2.4405G    | 500k      | 1    |

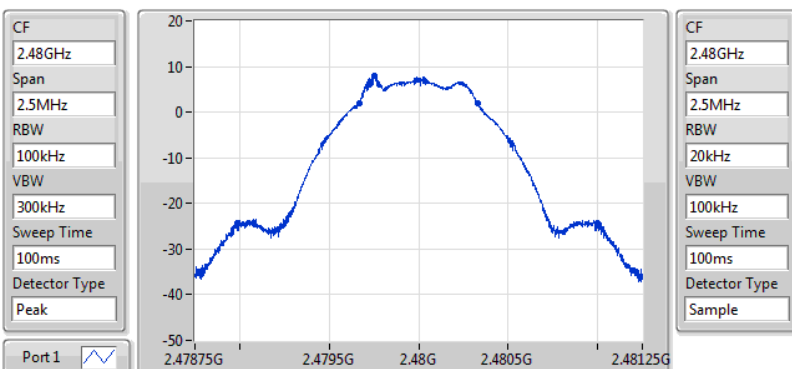
EBW-DTS

09/08/2022



BT-LE(500kbps)

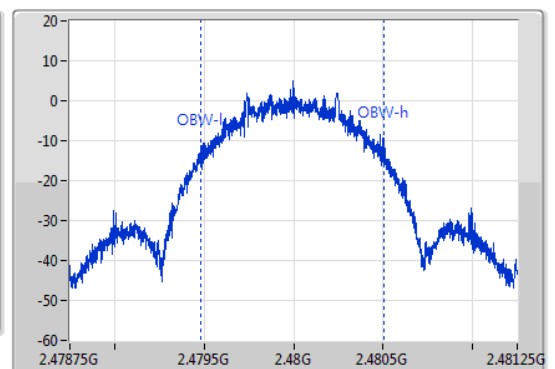
2480MHz



| 6dB(Hz) | Fl-6dB(Hz) | Fh-6dB(Hz) | OBW(Hz) | Fl-OBW(Hz) | Fh-OBW(Hz) | Limit(Hz) | Port |
|---------|------------|------------|---------|------------|------------|-----------|------|
| 658.75k | 2.479669G  | 2.480328G  | 1.021M  | 2.479484G  | 2.480505G  | 500k      | 1    |

EBW-DTS

09/08/2022





**Summary**

| Mode           | Power<br>(dBm) | Power<br>(W) |
|----------------|----------------|--------------|
| 2.4-2.4835GHz  | -              | -            |
| BT-LE(1Mbps)   | 7.95           | 0.00624      |
| BT-LE(2Mbps)   | 7.75           | 0.00596      |
| BT-LE(125kbps) | 8.08           | 0.00643      |
| BT-LE(500kbps) | 8.06           | 0.00640      |

## Result

| Mode           | Result | Gain<br>(dBi) | Power<br>(dBm) | Power Limit<br>(dBm) |
|----------------|--------|---------------|----------------|----------------------|
| BT-LE(1Mbps)   | -      | -             | -              | -                    |
| 2402MHz        | Pass   | -1.72         | 7.95           | 30.00                |
| 2440MHz        | Pass   | -1.72         | 7.78           | 30.00                |
| 2480MHz        | Pass   | -1.72         | 7.75           | 30.00                |
| BT-LE(2Mbps)   | -      | -             | -              | -                    |
| 2402MHz        | Pass   | -1.72         | 7.72           | 30.00                |
| 2440MHz        | Pass   | -1.72         | 7.71           | 30.00                |
| 2480MHz        | Pass   | -1.72         | 7.75           | 30.00                |
| BT-LE(125kbps) | -      | -             | -              | -                    |
| 2402MHz        | Pass   | -1.72         | 8.08           | 30.00                |
| 2440MHz        | Pass   | -1.72         | 7.94           | 30.00                |
| 2480MHz        | Pass   | -1.72         | 7.75           | 30.00                |
| BT-LE(500kbps) | -      | -             | -              | -                    |
| 2402MHz        | Pass   | -1.72         | 8.06           | 30.00                |
| 2440MHz        | Pass   | -1.72         | 7.80           | 30.00                |
| 2480MHz        | Pass   | -1.72         | 7.53           | 30.00                |

DG = Directional Gain; Port X = Port X output power



Summary

| Mode           | PD<br>(dBm/RBW) |
|----------------|-----------------|
| 2.4-2.4835GHz  | -               |
| BT-LE(1Mbps)   | -8.81           |
| BT-LE(2Mbps)   | -11.64          |
| BT-LE(125kbps) | 1.84            |
| BT-LE(500kbps) | 0.01            |

RBW = 3kHz;

**Result**

| Mode           | Result | Gain<br>(dBi) | PD<br>(dBm/RBW) | PD Limit<br>(dBm/RBW) |
|----------------|--------|---------------|-----------------|-----------------------|
| BT-LE(1Mbps)   | -      | -             | -               | -                     |
| 2402MHz        | Pass   | -1.72         | -9.34           | 8.00                  |
| 2440MHz        | Pass   | -1.72         | -8.81           | 8.00                  |
| 2480MHz        | Pass   | -1.72         | -9.29           | 8.00                  |
| BT-LE(2Mbps)   | -      | -             | -               | -                     |
| 2402MHz        | Pass   | -1.72         | -11.64          | 8.00                  |
| 2440MHz        | Pass   | -1.72         | -11.85          | 8.00                  |
| 2480MHz        | Pass   | -1.72         | -12.29          | 8.00                  |
| BT-LE(125kbps) | -      | -             | -               | -                     |
| 2402MHz        | Pass   | -1.72         | 1.81            | 8.00                  |
| 2440MHz        | Pass   | -1.72         | 1.84            | 8.00                  |
| 2480MHz        | Pass   | -1.72         | 1.76            | 8.00                  |
| BT-LE(500kbps) | -      | -             | -               | -                     |
| 2402MHz        | Pass   | -1.72         | -6.30           | 8.00                  |
| 2440MHz        | Pass   | -1.72         | 0.01            | 8.00                  |
| 2480MHz        | Pass   | -1.72         | -6.26           | 8.00                  |

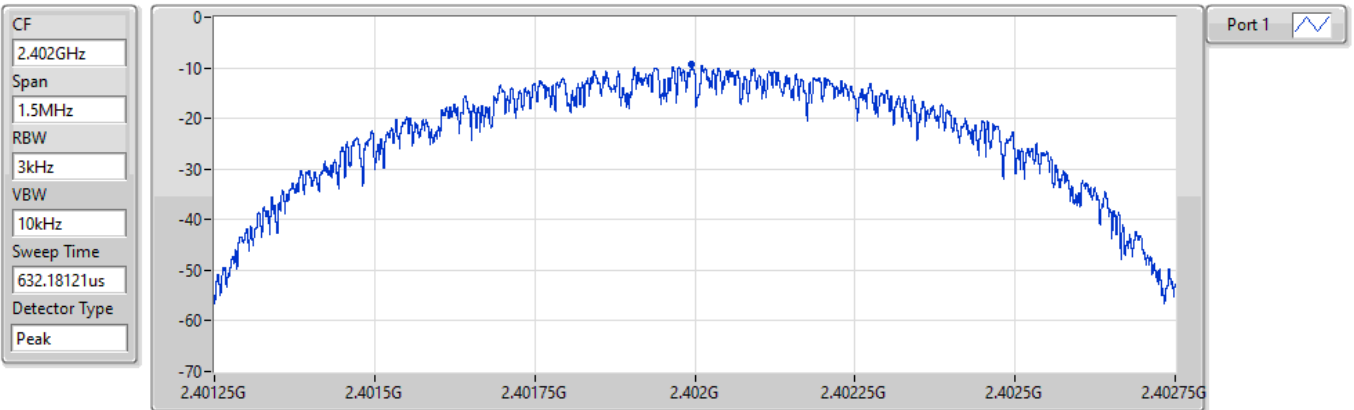
DG = Directional Gain; RBW = 3kHz;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

## BT-LE(1Mbps)

## PSD

### 2402MHz

11/07/2022



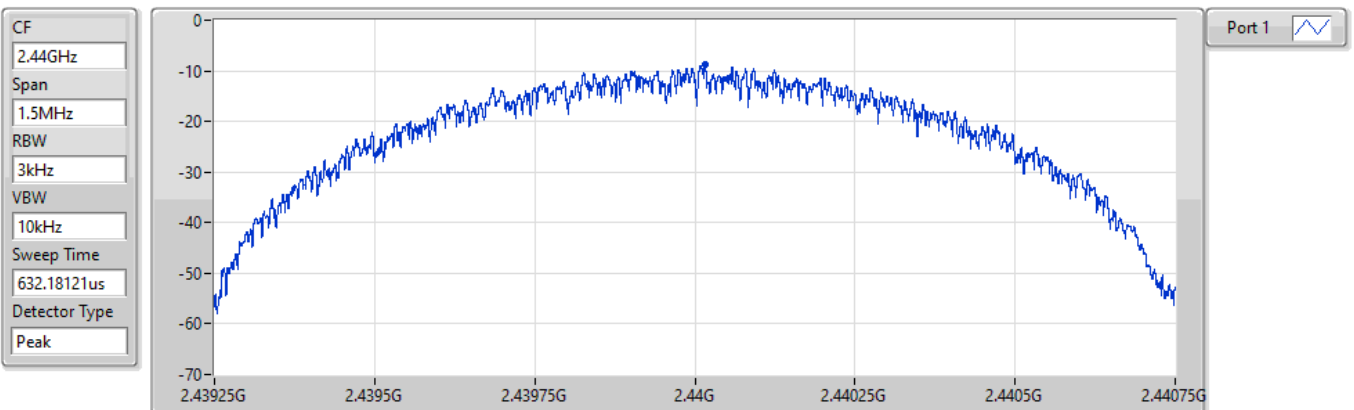
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -9.34     | -9.34     | -9.34     |

## BT-LE(1Mbps)

## PSD

### 2440MHz

11/07/2022



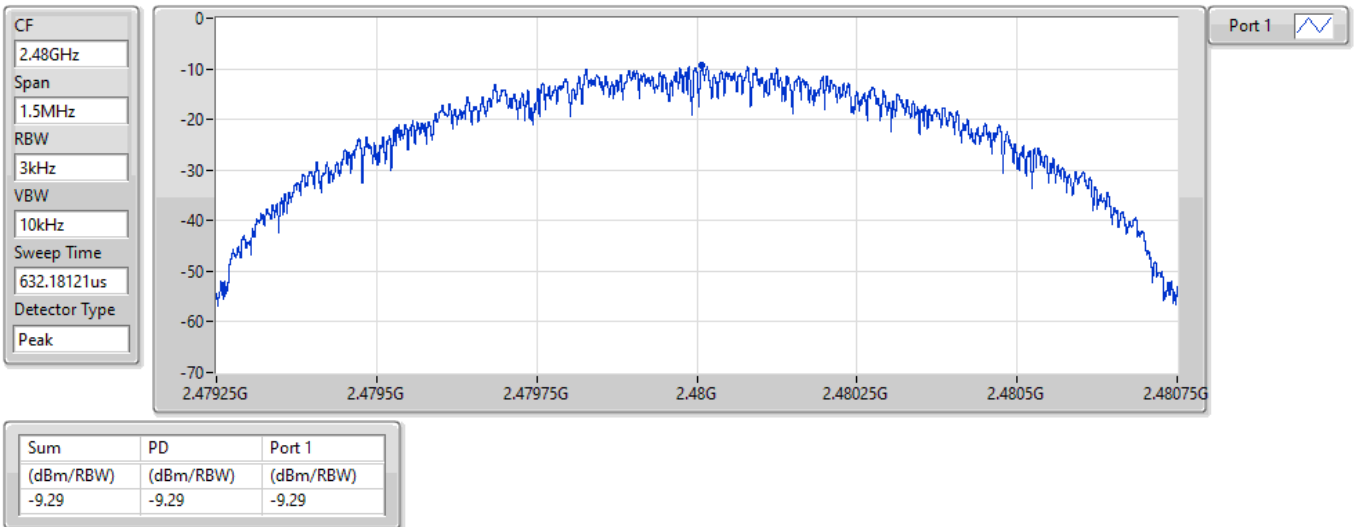
| Sum       | PD        | Port 1    |
|-----------|-----------|-----------|
| (dBm/RBW) | (dBm/RBW) | (dBm/RBW) |
| -8.81     | -8.81     | -8.81     |

## BT-LE(1Mbps)

2480MHz

PSD

11/07/2022

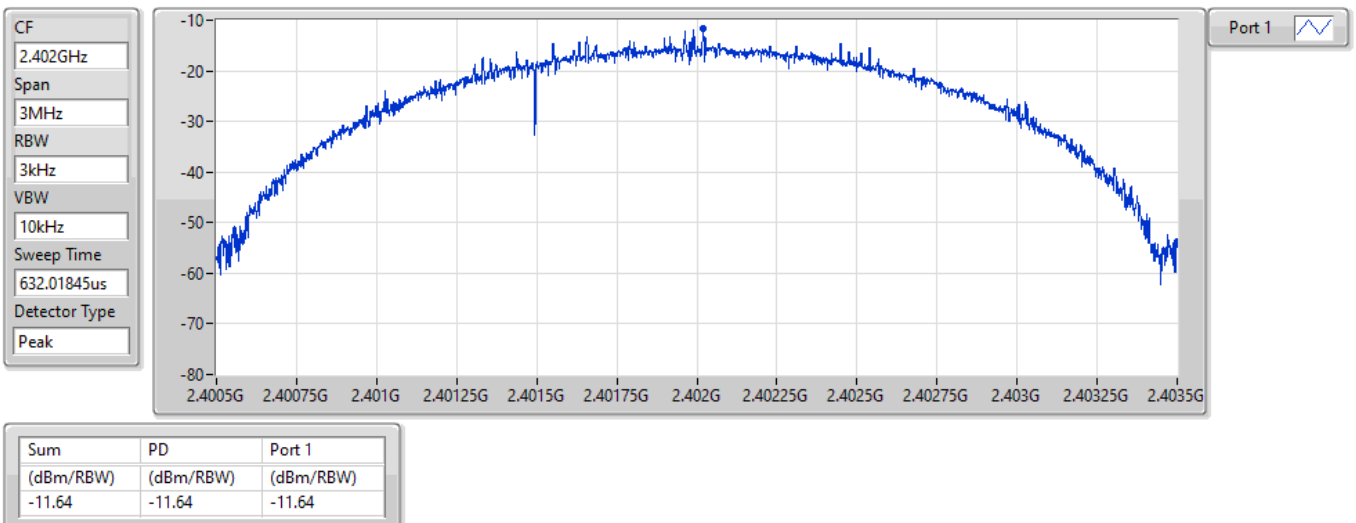


## BT-LE(2Mbps)

2402MHz

PSD

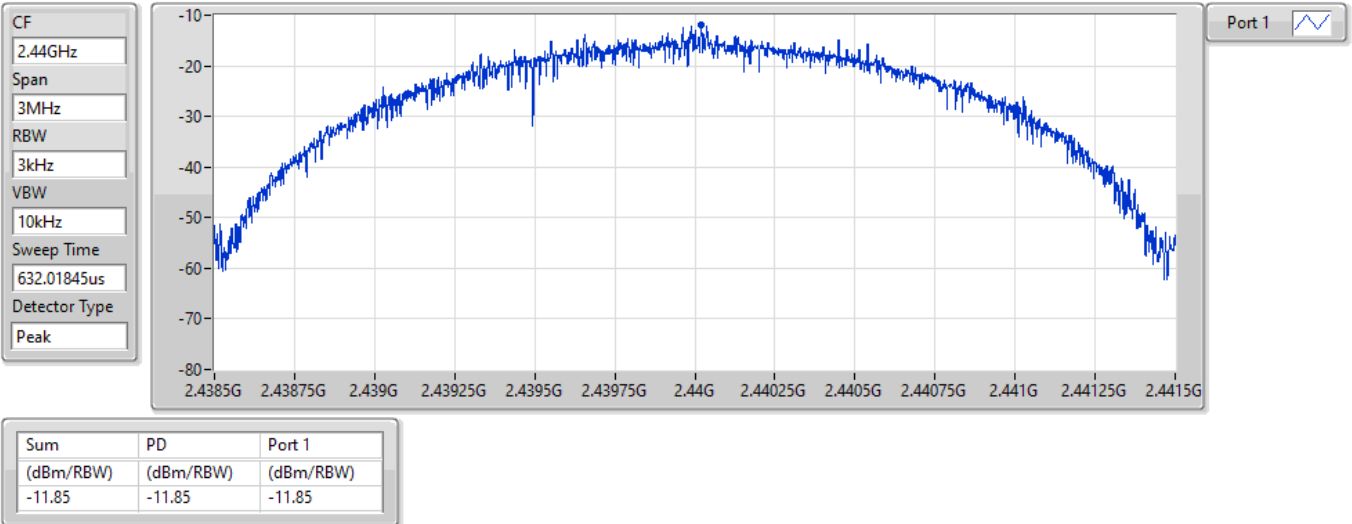
11/07/2022



## BT-LE(2Mbps)

### 2440MHz

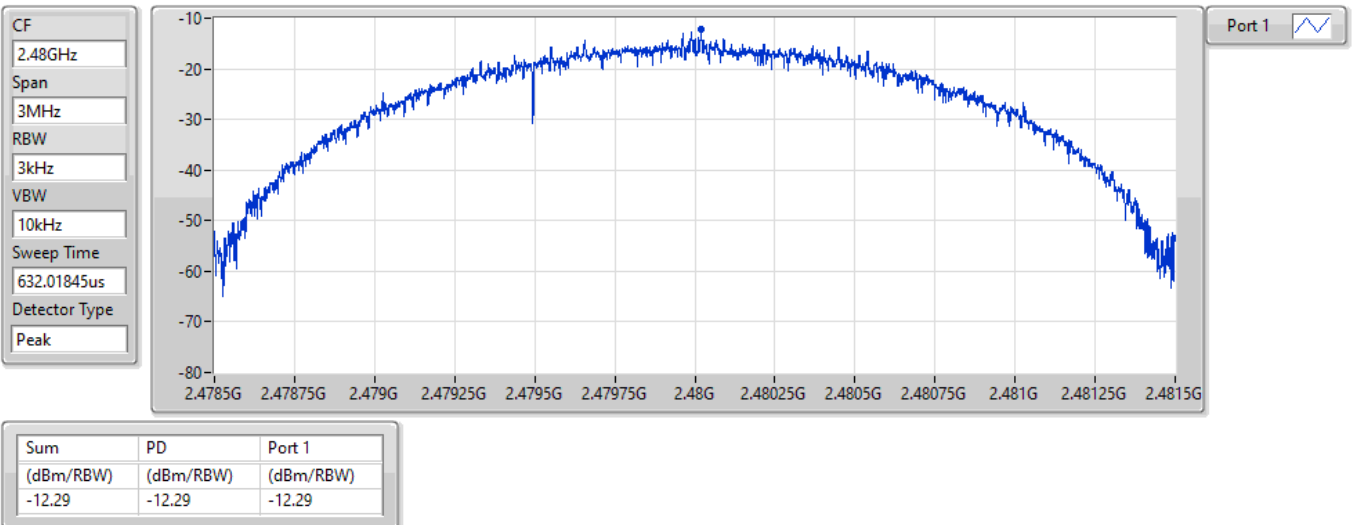
11/07/2022



## BT-LE(2Mbps)

### 2480MHz

11/07/2022

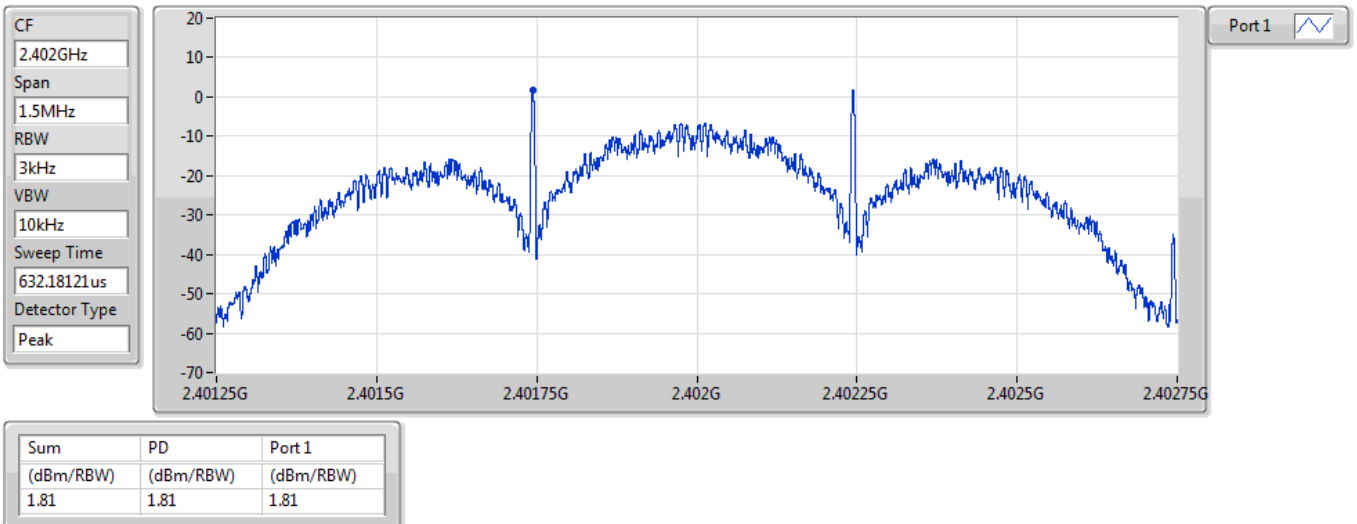


## BT-LE(125kbps)

## PSD

2402MHz

09/08/2022

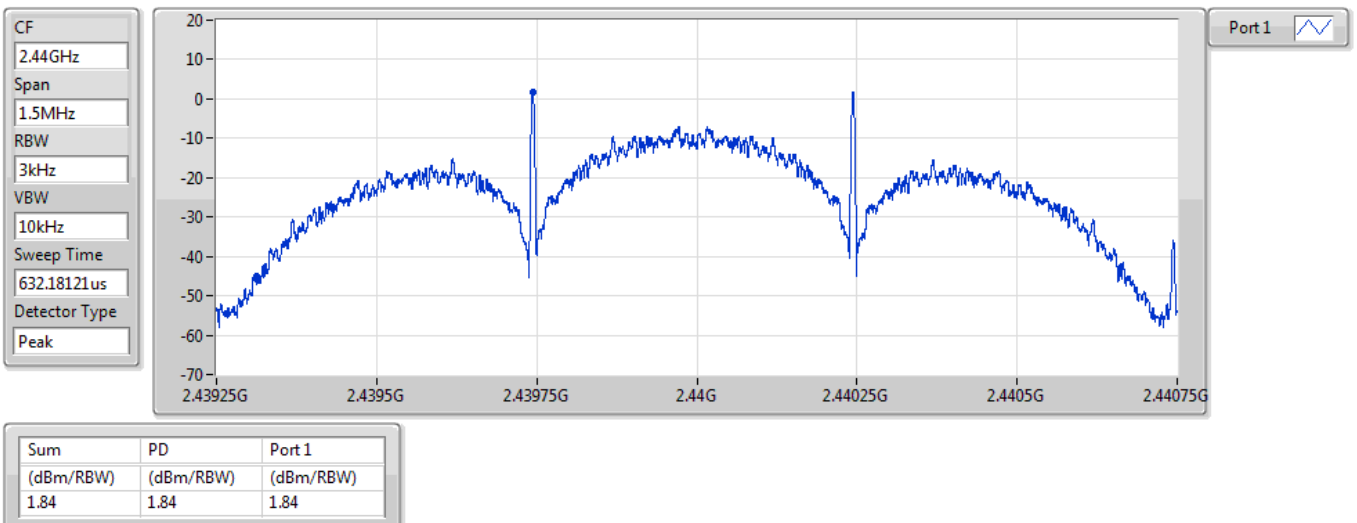


## BT-LE(125kbps)

## PSD

2440MHz

09/08/2022

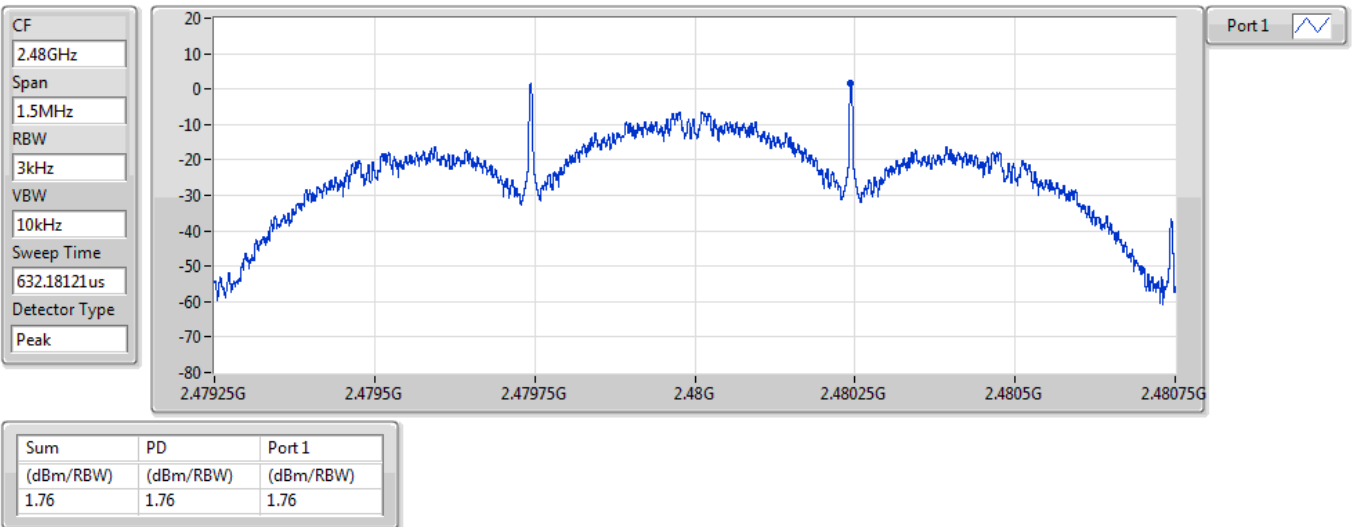


## BT-LE(125kbps)

## PSD

2480MHz

09/08/2022

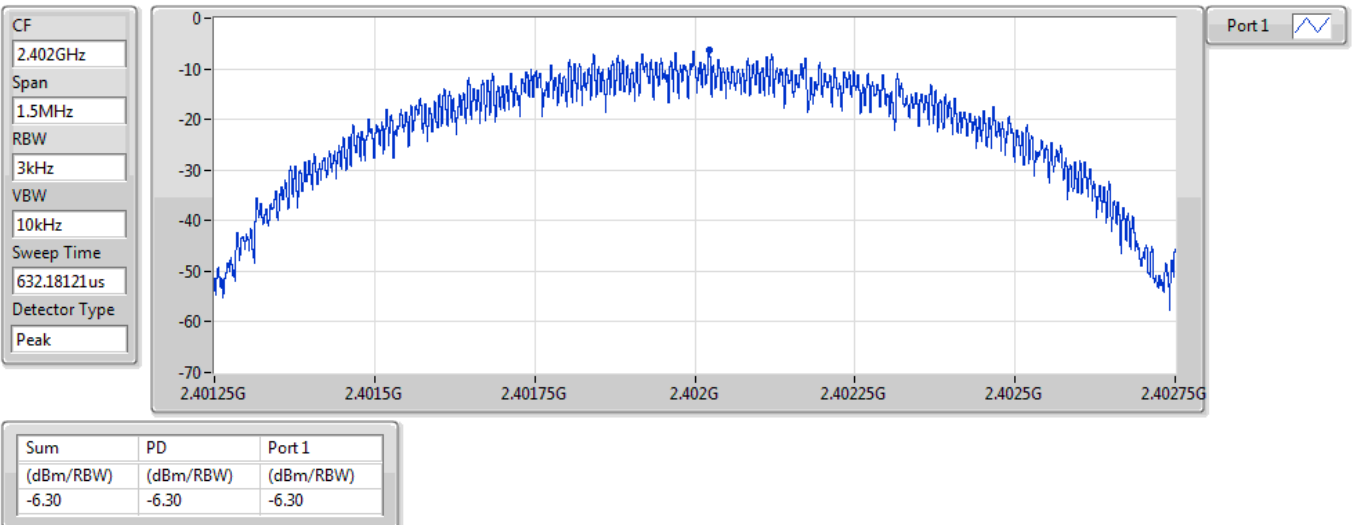


## BT-LE(500kbps)

## PSD

2402MHz

09/08/2022

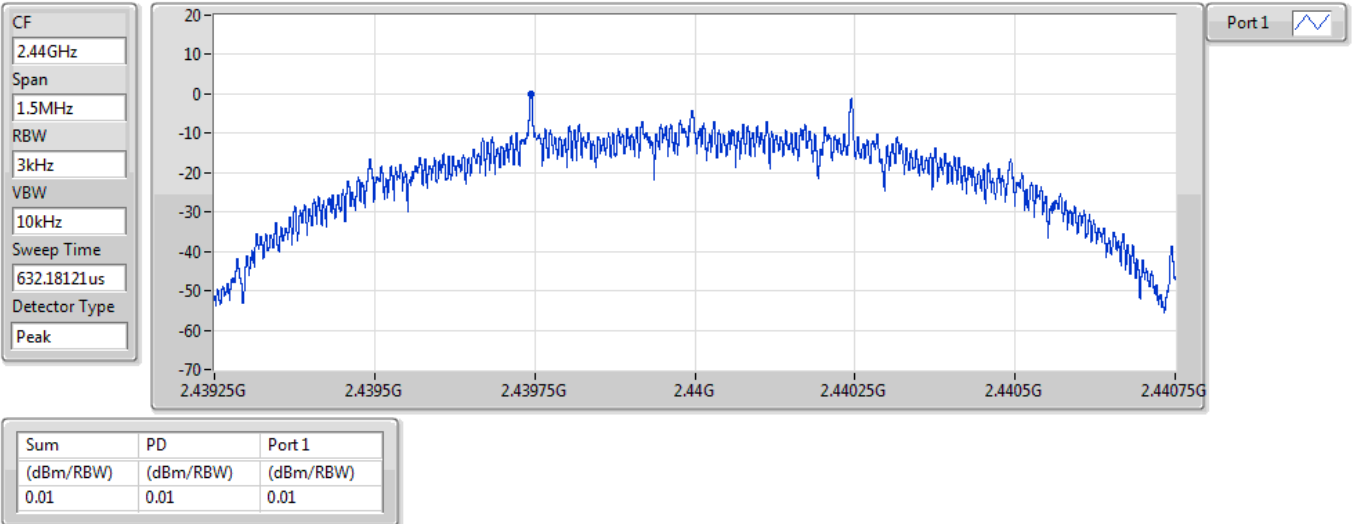


## BT-LE(500kbps)

## PSD

2440MHz

09/08/2022

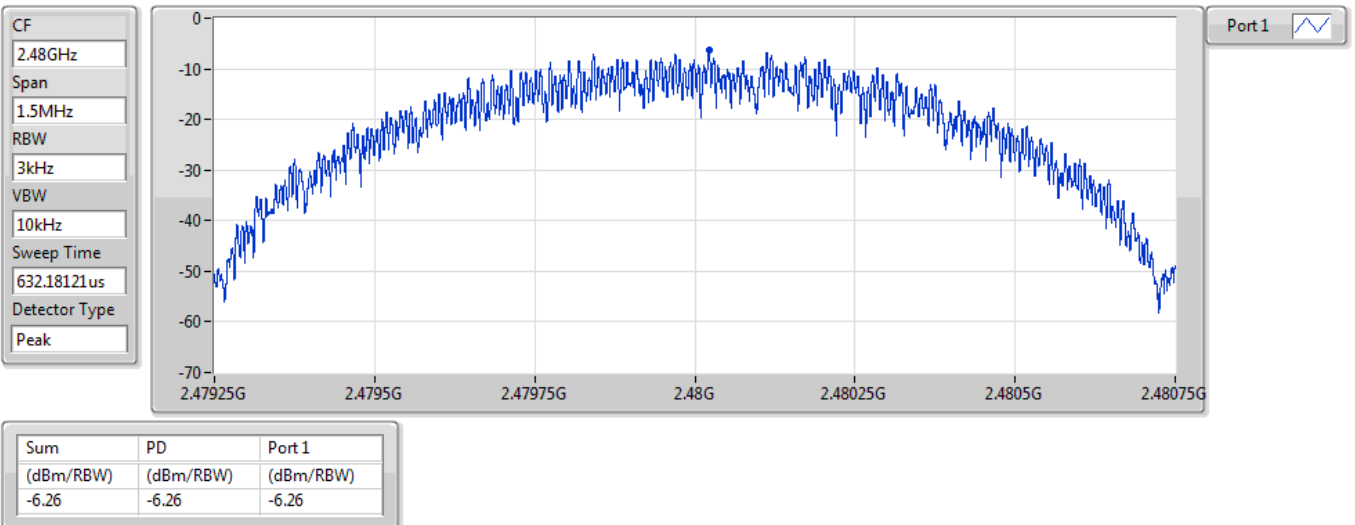


## BT-LE(500kbps)

## PSD

2480MHz

09/08/2022



**Summary**

| Mode           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|----------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| 2.4-2.4835GHz  | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| BT-LE(1Mbps)   | Pass   | 2.40217G    | 7.59         | -22.41         | 1.97698G     | -55.10         | 2.4G         | -43.75         | 2.4G         | -43.83         | 2.50342G     | -53.44         | 7.20527G     | -26.21         | 1    |
| BT-LE(2Mbps)   | Pass   | 2.48016G    | 7.00         | -23.00         | 1.94995G     | -53.83         | 2.4G         | -26.17         | 2.4G         | -26.82         | 2.50306G     | -53.08         | 7.20808G     | -29.07         | 1    |
| BT-LE(125kbps) | Pass   | 2.40184G    | 5.03         | -24.97         | 1.96288G     | -52.94         | 2.3998G      | -44.53         | 2.4G         | -44.07         | 2.50054G     | -52.15         | 7.20527G     | -27.69         | 1    |
| BT-LE(500kbps) | Pass   | 2.40167G    | 7.59         | -22.41         | 933.58M      | -53.43         | 2.39984G     | -44.11         | 2.4G         | -43.09         | 2.50314G     | -51.85         | 7.20527G     | -27.88         | 1    |

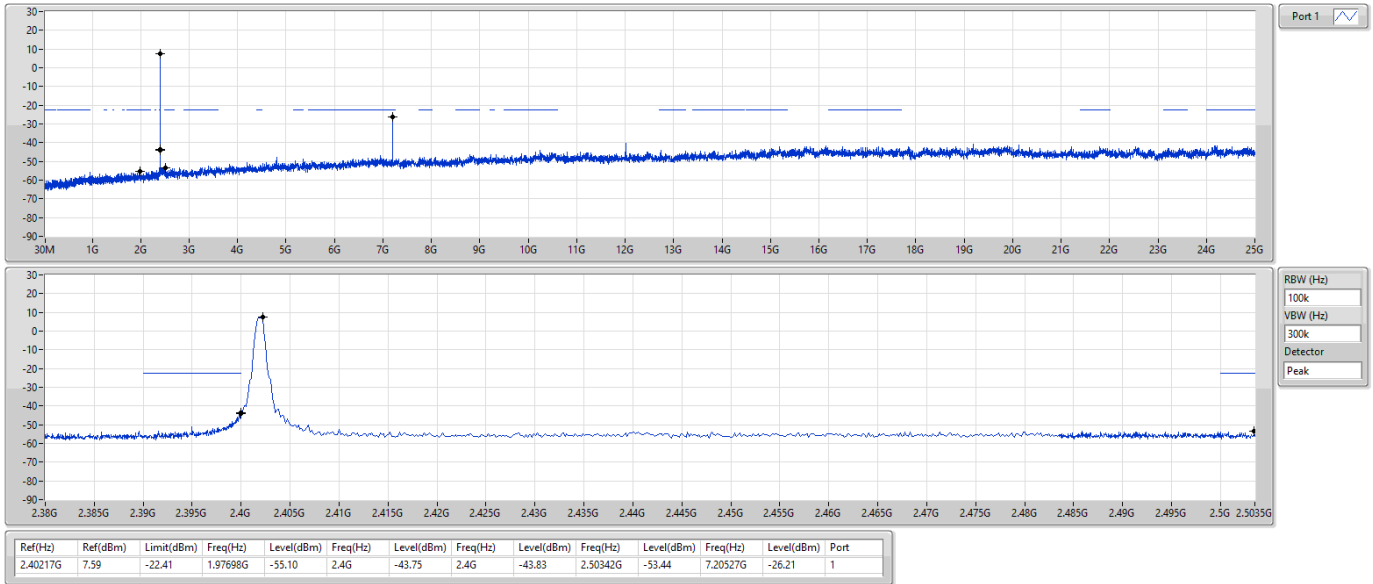
**Result**

| Mode           | Result | Ref<br>(Hz) | Ref<br>(dBm) | Limit<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Freq<br>(Hz) | Level<br>(dBm) | Port |
|----------------|--------|-------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|--------------|----------------|------|
| BT-LE(1Mbps)   | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2402MHz        | Pass   | 2.40217G    | 7.59         | -22.41         | 1.97698G     | -55.10         | 2.4G         | -43.75         | 2.4G         | -43.83         | 2.50342G     | -53.44         | 7.20527G     | -26.21         | 1    |
| 2440MHz        | Pass   | 2.40217G    | 7.59         | -22.41         | 2.10858G     | -54.91         | 2.3964G      | -54.46         | 2.4G         | -54.46         | 2.5035G      | -54.11         | 24.94938G    | -41.58         | 1    |
| 2480MHz        | Pass   | 2.40217G    | 7.59         | -22.41         | 1.97815G     | -54.60         | 2.39852G     | -54.21         | 2.4G         | -56.80         | 2.5001G      | -53.68         | 24.53601G    | -41.81         | 1    |
| BT-LE(2Mbps)   | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2402MHz        | Pass   | 2.48016G    | 7.00         | -23.00         | 1.94995G     | -53.83         | 2.4G         | -26.17         | 2.4G         | -26.82         | 2.50306G     | -53.08         | 7.20808G     | -29.07         | 1    |
| 2440MHz        | Pass   | 2.48016G    | 7.00         | -23.00         | 2.16968G     | -55.73         | 2.3916G      | -54.64         | 2.4G         | -53.67         | 2.50274G     | -54.06         | 15.19434G    | -41.61         | 1    |
| 2480MHz        | Pass   | 2.48016G    | 7.00         | -23.00         | 1.75843G     | -55.74         | 2.39268G     | -53.95         | 2.4G         | -56.89         | 2.50302G     | -54.03         | 24.75254G    | -41.41         | 1    |
| BT-LE(125kbps) | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2402MHz        | Pass   | 2.40184G    | 5.03         | -24.97         | 1.96288G     | -52.94         | 2.3998G      | -44.53         | 2.4G         | -44.07         | 2.50054G     | -52.15         | 7.20527G     | -27.69         | 1    |
| 2440MHz        | Pass   | 2.40184G    | 5.03         | -24.97         | 2.08625G     | -53.76         | 2.3984G      | -52.63         | 2.4G         | -54.68         | 2.50178G     | -51.43         | 15.18028G    | -41.02         | 1    |
| 2480MHz        | Pass   | 2.40184G    | 5.03         | -24.97         | 1.9852G      | -52.90         | 2.39984G     | -52.48         | 2.4G         | -54.88         | 2.5035G      | -52.23         | 16.95469G    | -41.41         | 1    |
| BT-LE(500kbps) | -      | -           | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -            | -              | -    |
| 2402MHz        | Pass   | 2.40167G    | 7.59         | -22.41         | 933.58M      | -53.43         | 2.39984G     | -44.11         | 2.4G         | -43.09         | 2.50314G     | -51.85         | 7.20527G     | -27.88         | 1    |
| 2440MHz        | Pass   | 2.40167G    | 7.59         | -22.41         | 2.14618G     | -53.75         | 2.39036G     | -52.91         | 2.4G         | -54.73         | 2.50342G     | -52.36         | 17.69426G    | -41.55         | 1    |
| 2480MHz        | Pass   | 2.40167G    | 7.59         | -22.41         | 2.15205G     | -53.98         | 2.39308G     | -52.16         | 2.4G         | -55.01         | 2.50242G     | -51.81         | 23.28745G    | -40.84         | 1    |

BT-LE(1Mbps)

CSEndB-DTS

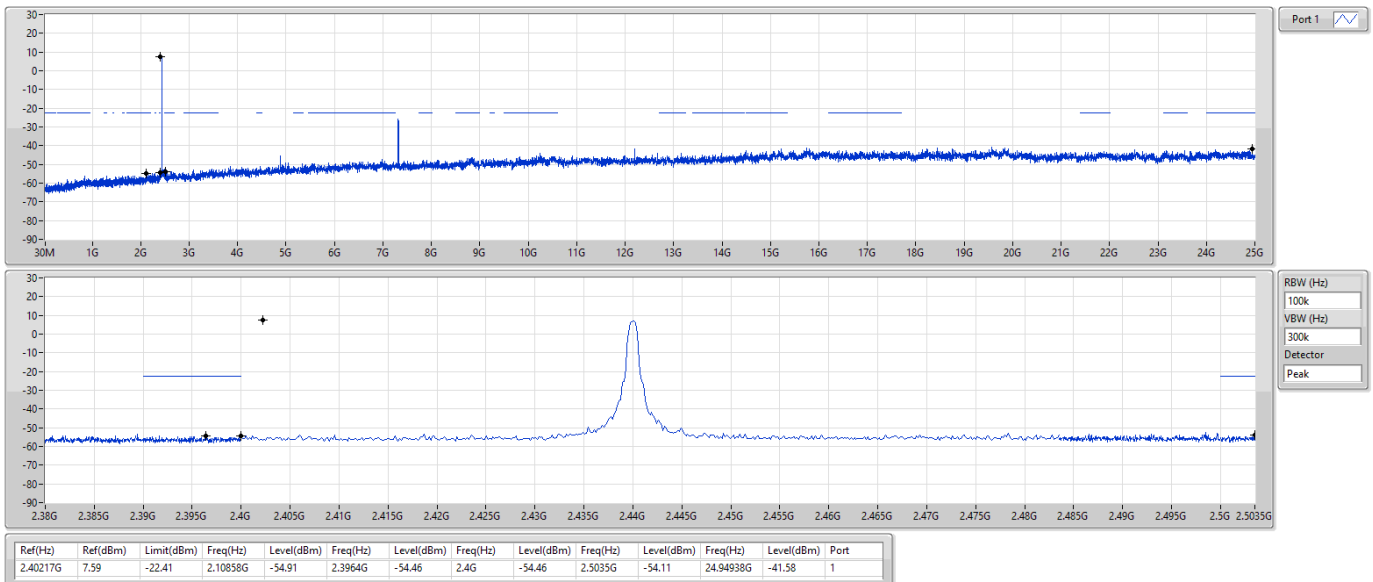
2402MHz



BT-LE(1Mbps)

CSEndB-DTS

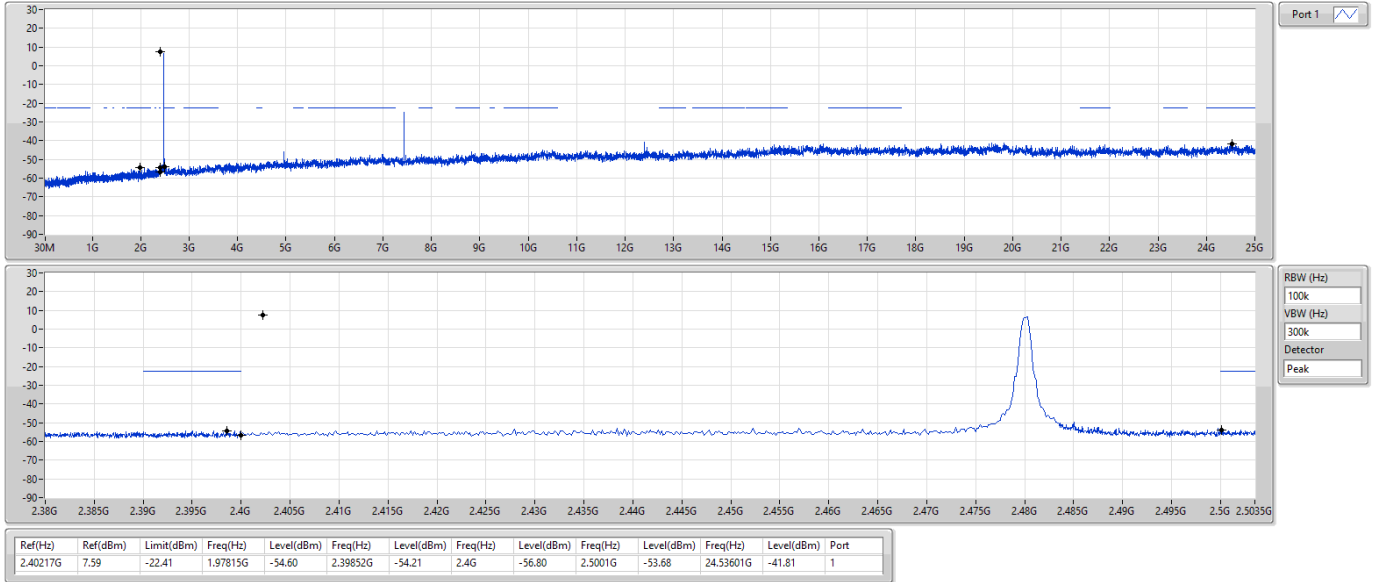
2440MHz



BT-LE(1Mbps)

CSEndB-DTS

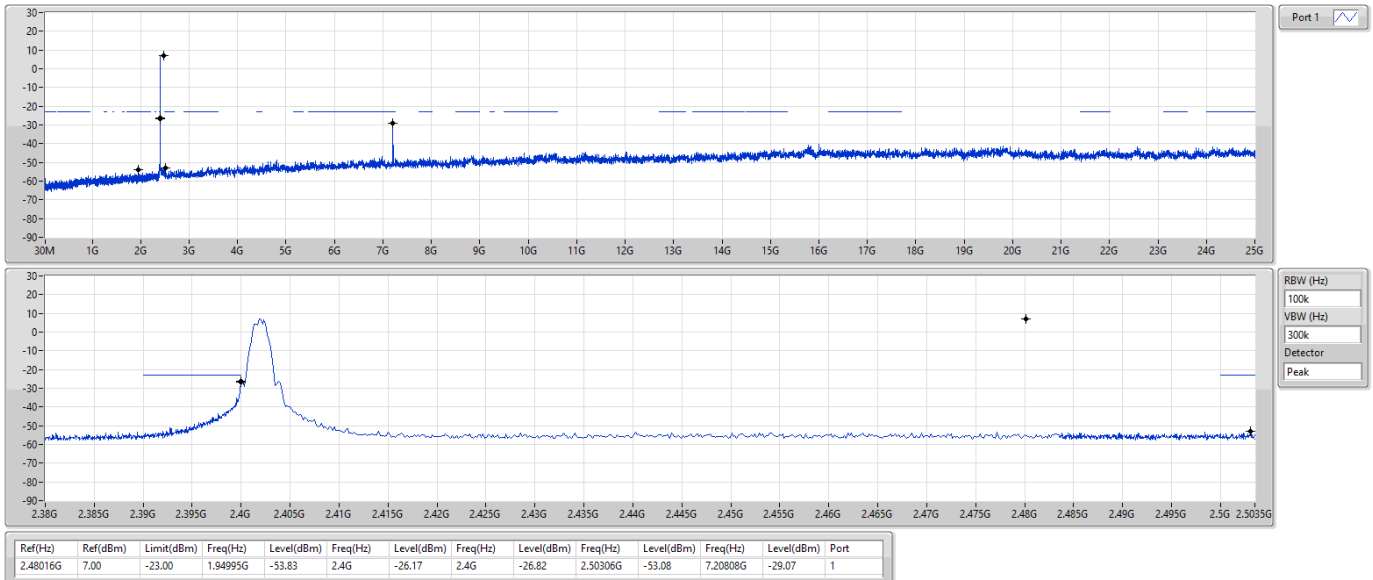
2480MHz



BT-LE(2Mbps)

CSEndB-DTS

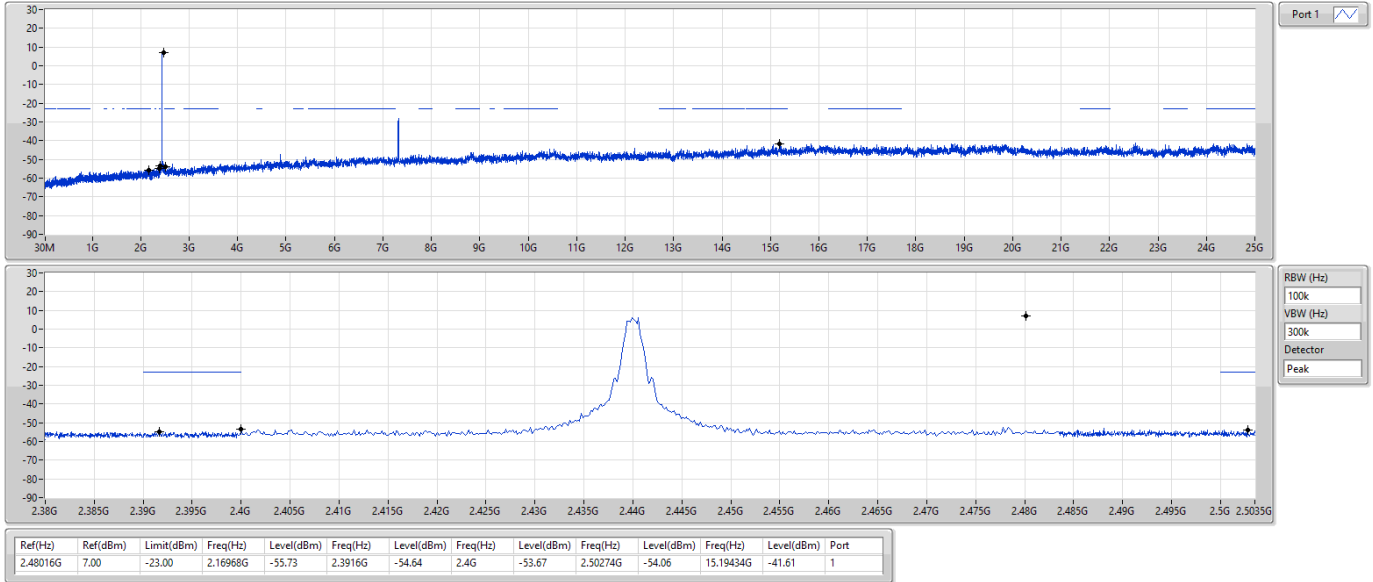
2402MHz



BT-LE(2Mbps)

CSEndB-DTS

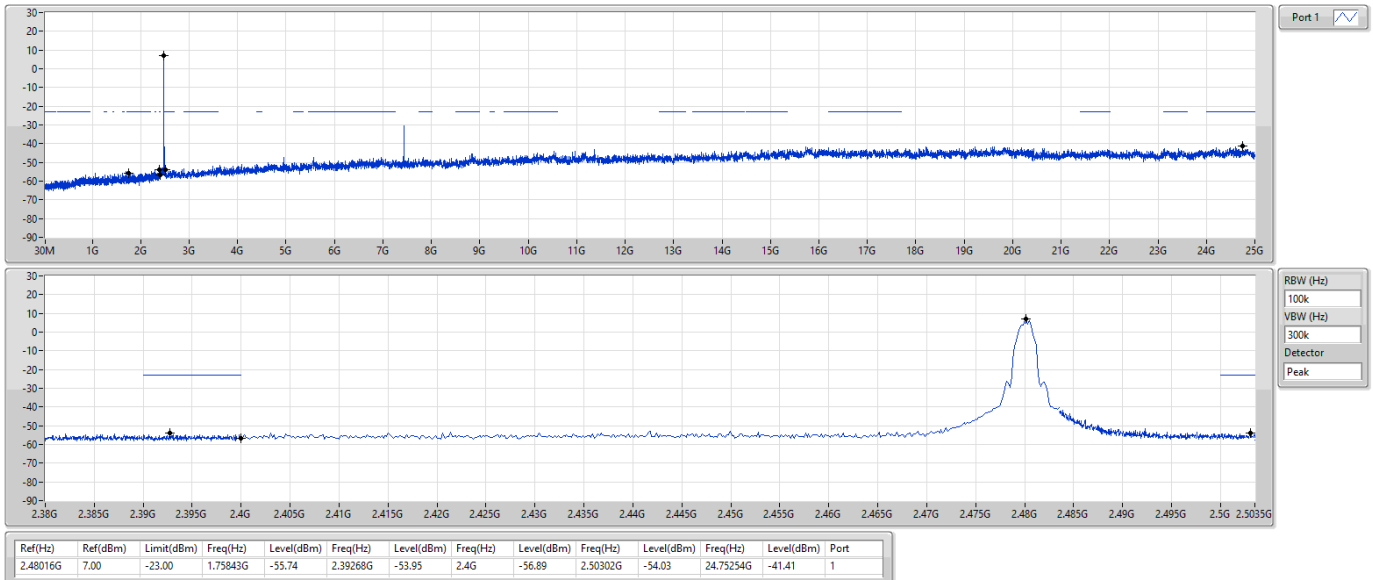
2440MHz



BT-LE(2Mbps)

CSEndB-DTS

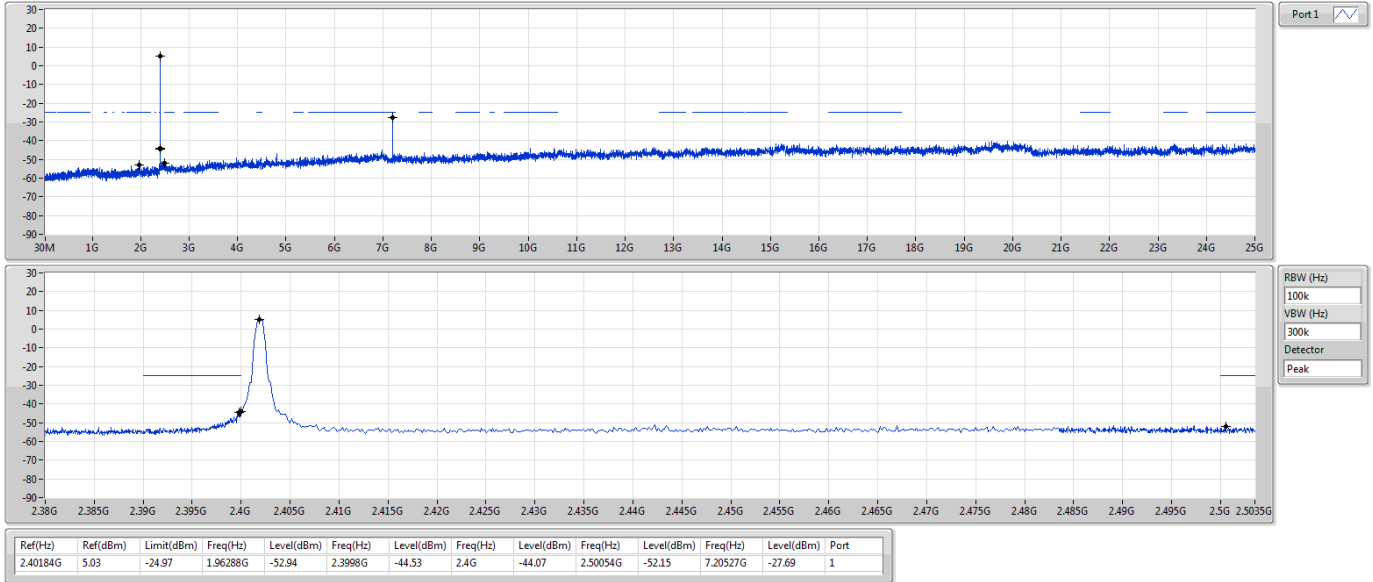
2480MHz



BT-LE(125kbps)

CSEndB-DTS

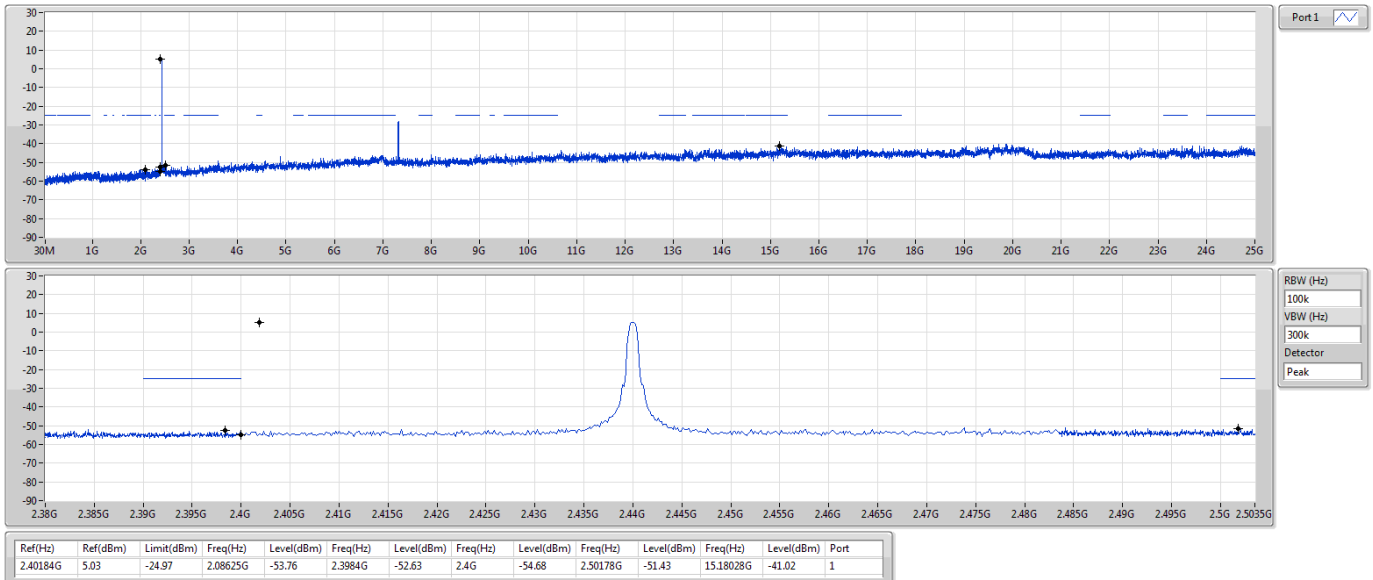
2402MHz



BT-LE(125kbps)

CSEndB-DTS

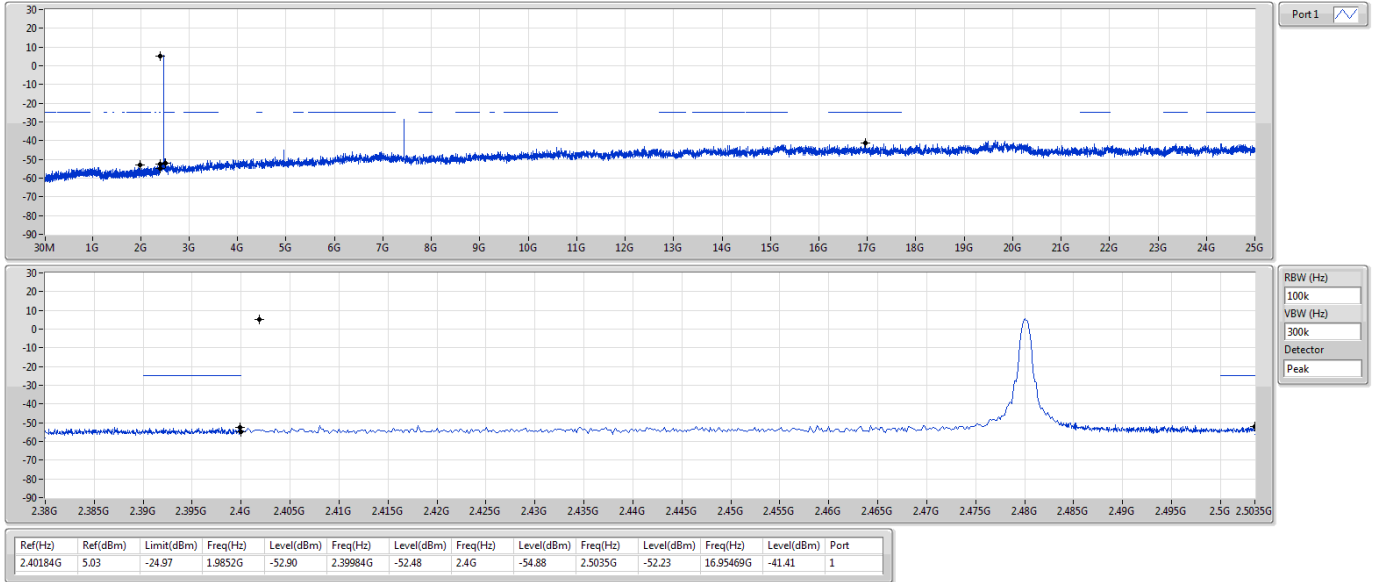
2440MHz



BT-LE(125kbps)

CSEndB-DTS

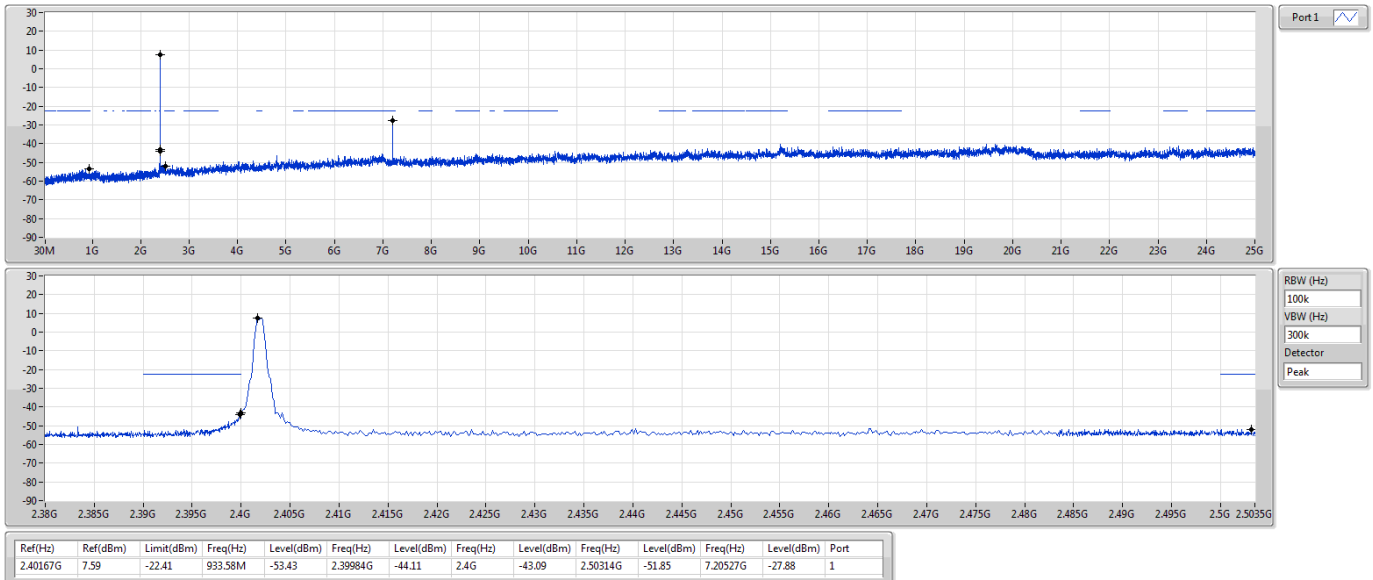
2480MHz



BT-LE(500kbps)

CSEndB-DTS

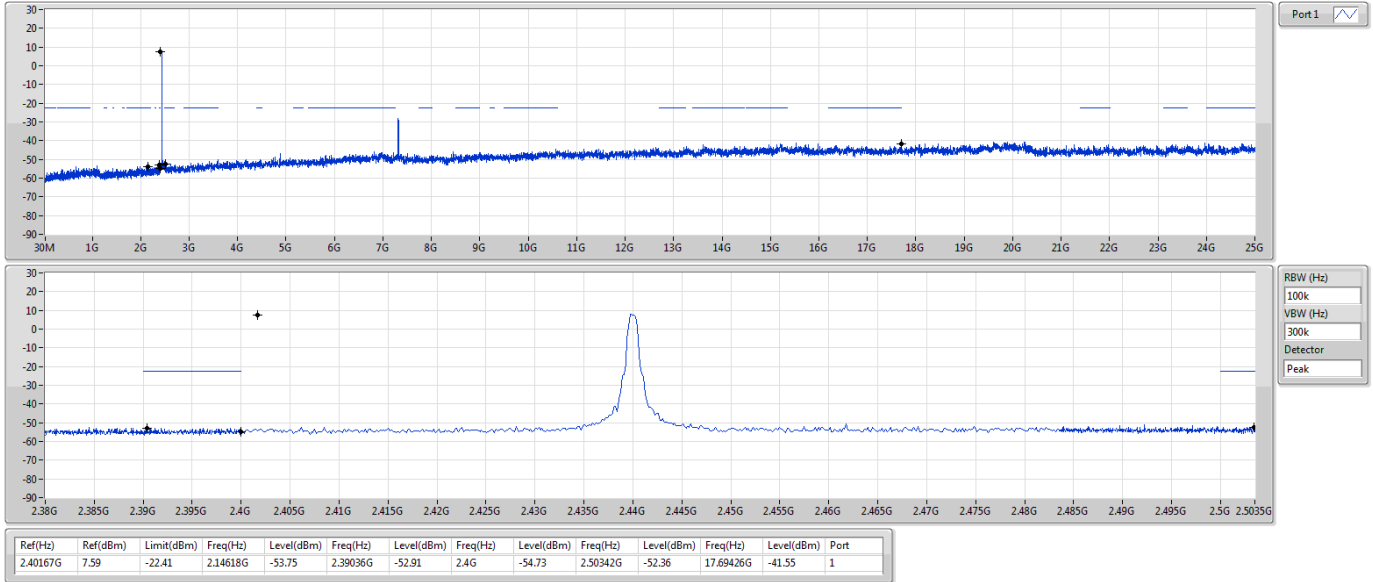
2402MHz



BT-LE(500kbps)

CSEndB-DTS

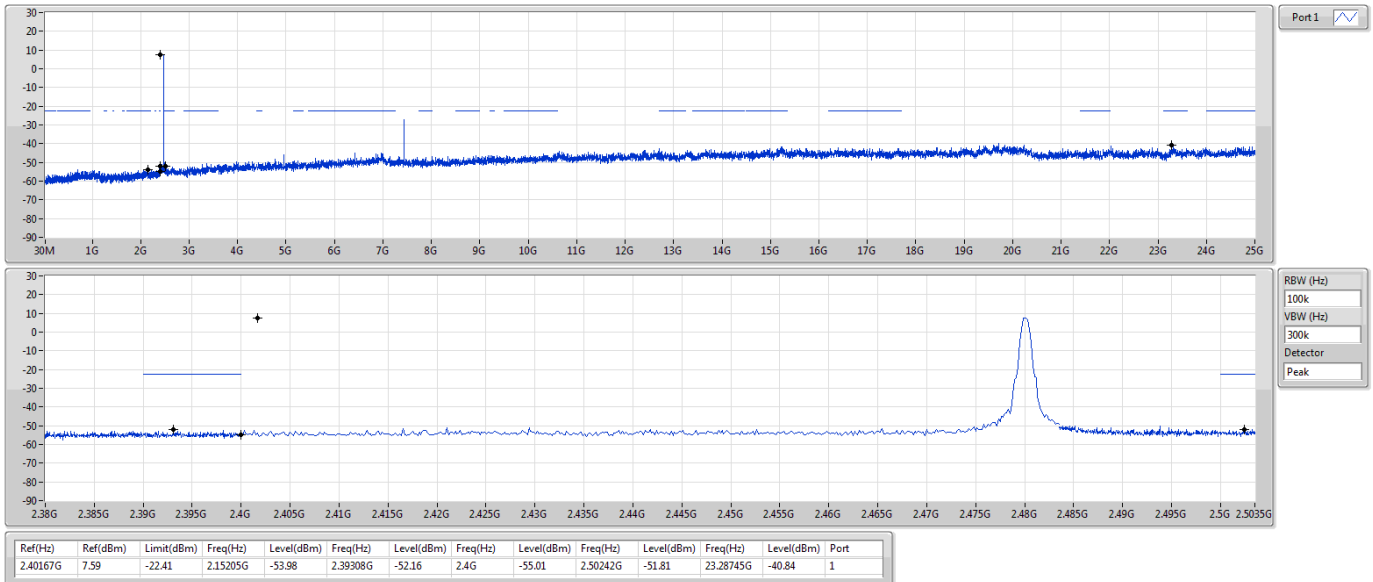
2440MHz



BT-LE(500kbps)

CSEndB-DTS

2480MHz





**Summary**

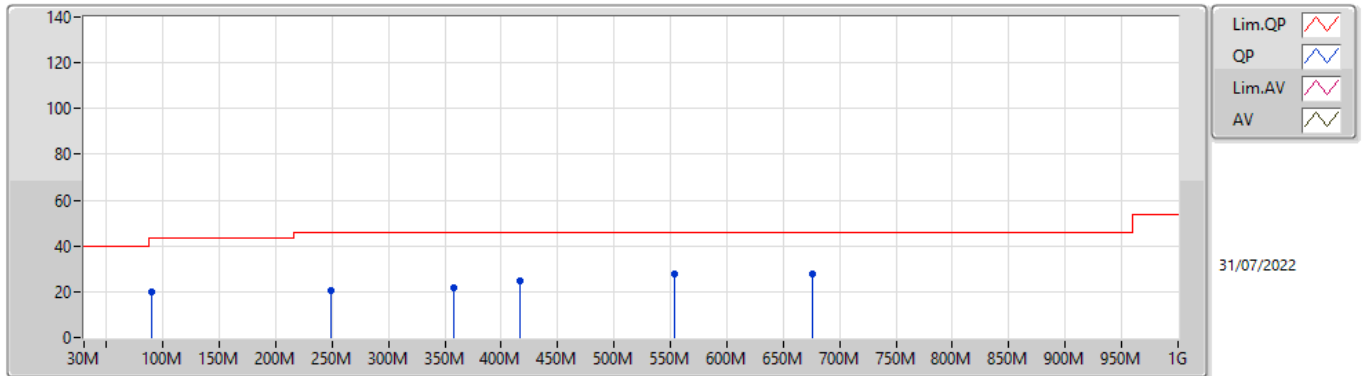
| Mode          | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 2.4-2.4835GHz | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| BT-LE(2Mbps)  | Pass   | PK   | 676.02M      | 27.73             | 46.00             | -18.27         | 3           | Vertical  | 0              | 1.00          | -        |

**Result**

| Mode         | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|--------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| BT-LE(2Mbps) | -      | -    | -            | -                 | -                 | -              | -           | -          | -              | -             | -        |
| 2440MHz      | Pass   | PK   | 90.14M       | 19.94             | 43.50             | -23.56         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 249.22M      | 20.63             | 46.00             | -25.37         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 357.86M      | 22.01             | 46.00             | -23.99         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 416.06M      | 25.04             | 46.00             | -20.96         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 553.8M       | 27.51             | 46.00             | -18.49         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 676.02M      | 27.73             | 46.00             | -18.27         | 3           | Vertical   | 0              | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 90.14M       | 19.68             | 43.50             | -23.82         | 3           | Horizontal | 360            | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 127M         | 17.42             | 43.50             | -26.08         | 3           | Horizontal | 360            | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 256.98M      | 20.30             | 46.00             | -25.70         | 3           | Horizontal | 360            | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 491.72M      | 25.06             | 46.00             | -20.94         | 3           | Horizontal | 360            | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 559.62M      | 26.98             | 46.00             | -19.02         | 3           | Horizontal | 360            | 1.00          | -        |
| 2440MHz      | Pass   | PK   | 619.76M      | 26.83             | 46.00             | -19.17         | 3           | Horizontal | 360            | 1.00          | -        |

## BT-LE(2Mbps)

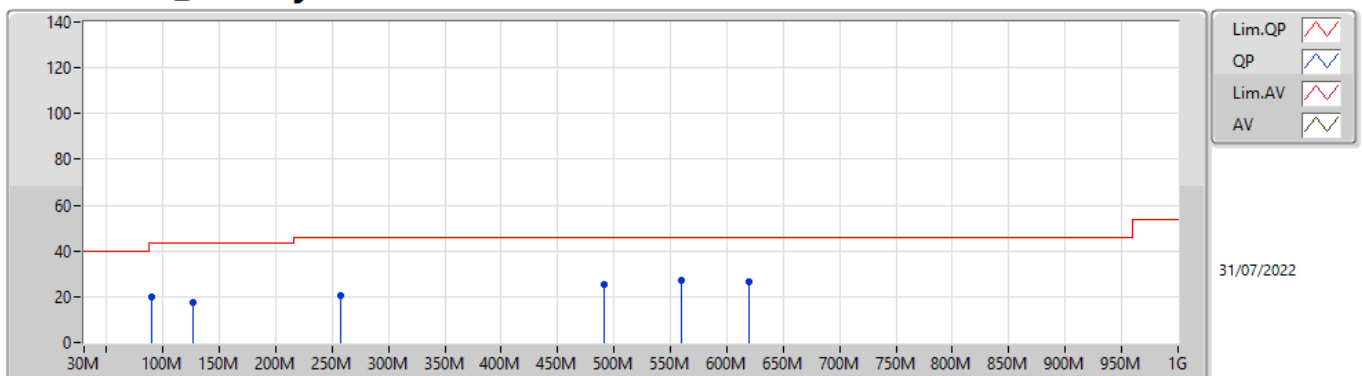
### 2440MHz\_Battery



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| PK   | 90.14M  | 19.94    | 43.50    | -23.56 | -11.83 | 3    | Vertical  | 0       | 1.00   | -       | 31.77  | 14.03 | 1.54 | 27.40 |
| PK   | 249.22M | 20.63    | 46.00    | -25.37 | -6.61  | 3    | Vertical  | 0       | 1.00   | -       | 27.24  | 17.44 | 2.63 | 26.68 |
| PK   | 357.86M | 22.01    | 46.00    | -23.99 | -3.97  | 3    | Vertical  | 0       | 1.00   | -       | 25.98  | 19.76 | 3.18 | 26.91 |
| PK   | 416.06M | 25.04    | 46.00    | -20.96 | -2.13  | 3    | Vertical  | 0       | 1.00   | -       | 27.17  | 21.73 | 3.45 | 27.31 |
| PK   | 553.8M  | 27.51    | 46.00    | -18.49 | 0.23   | 3    | Vertical  | 0       | 1.00   | -       | 27.28  | 24.23 | 3.99 | 27.99 |
| PK   | 676.02M | 27.73    | 46.00    | -18.27 | 0.68   | 3    | Vertical  | 0       | 1.00   | -       | 27.05  | 24.15 | 4.48 | 27.95 |

## BT-LE(2Mbps)

### 2440MHz\_Battery



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| PK   | 90.14M  | 19.68    | 43.50    | -23.82 | -11.83 | 3    | Horizontal | 360     | 1.00   | -       | 31.51  | 14.03 | 1.54 | 27.40 |
| PK   | 127M    | 17.42    | 43.50    | -26.08 | -8.27  | 3    | Horizontal | 360     | 1.00   | -       | 25.69  | 17.13 | 1.85 | 27.25 |
| PK   | 256.98M | 20.30    | 46.00    | -25.70 | -5.65  | 3    | Horizontal | 360     | 1.00   | -       | 25.95  | 18.35 | 2.67 | 26.67 |
| PK   | 491.72M | 25.06    | 46.00    | -20.94 | -1.34  | 3    | Horizontal | 360     | 1.00   | -       | 26.40  | 22.63 | 3.77 | 27.74 |
| PK   | 559.62M | 26.98    | 46.00    | -19.02 | 0.19   | 3    | Horizontal | 360     | 1.00   | -       | 26.79  | 24.15 | 4.02 | 27.98 |
| PK   | 619.76M | 26.83    | 46.00    | -19.17 | 0.32   | 3    | Horizontal | 360     | 1.00   | -       | 26.51  | 24.02 | 4.28 | 27.98 |



**Summary**

| Mode           | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comments |
|----------------|--------|------|--------------|-------------------|-------------------|----------------|-------------|-----------|----------------|---------------|----------|
| 2.4-2.4835GHz  | -      | -    | -            | -                 | -                 | -              | -           | -         | -              | -             | -        |
| BT-LE(1Mbps)   | Pass   | PK   | 4.80394G     | 62.38             | 74.00             | -11.62         | 3           | Vertical  | 270            | 2.80          | -        |
| BT-LE(2Mbps)   | Pass   | PK   | 7.44161G     | 62.58             | 74.00             | -11.42         | 3           | Vertical  | 265            | 1.14          | -        |
| BT-LE(125kbps) | Pass   | PK   | 4.96002G     | 61.76             | 74.00             | -12.24         | 3           | Vertical  | 287            | 2.96          | -        |
| BT-LE(500kbps) | Pass   | PK   | 4.96051G     | 62.16             | 74.00             | -11.84         | 3           | Vertical  | 283            | 2.97          | -        |

Result

| Mode         | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|--------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| BT-LE(1Mbps) | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 2402MHz      | Pass   | AV   | 2.3698G   | 17.13          | 54.00          | -36.87      | 3        | Vertical   | 109         | 1.17       | -        |
| 2402MHz      | Pass   | AV   | 2.4018G   | 50.71          | Inf            | -Inf        | 3        | Vertical   | 109         | 1.17       | -        |
| 2402MHz      | Pass   | PK   | 2.3698G   | 59.14          | 74.00          | -14.86      | 3        | Vertical   | 109         | 1.17       | -        |
| 2402MHz      | Pass   | PK   | 2.4018G   | 92.72          | Inf            | -Inf        | 3        | Vertical   | 109         | 1.17       | -        |
| 2402MHz      | Pass   | AV   | 2.3546G   | 17.03          | 54.00          | -36.97      | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz      | Pass   | AV   | 2.4018G   | 40.16          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz      | Pass   | PK   | 2.3546G   | 59.04          | 74.00          | -14.96      | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz      | Pass   | PK   | 2.4018G   | 82.17          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz      | Pass   | AV   | 4.80394G  | 20.37          | 54.00          | -33.63      | 3        | Vertical   | 270         | 2.80       | -        |
| 2402MHz      | Pass   | PK   | 4.80394G  | 62.38          | 74.00          | -11.62      | 3        | Vertical   | 270         | 2.80       | -        |
| 2402MHz      | Pass   | AV   | 4.80353G  | 11.87          | 54.00          | -42.13      | 3        | Horizontal | 349         | 3.00       | -        |
| 2402MHz      | Pass   | PK   | 4.80353G  | 53.88          | 74.00          | -20.12      | 3        | Horizontal | 349         | 3.00       | -        |
| 2402MHz      | Pass   | AV   | 2.386G    | 16.69          | 54.00          | -37.31      | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | AV   | 2.4396G   | 55.78          | Inf            | -Inf        | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | AV   | 2.4864G   | 17.51          | 54.00          | -36.49      | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | PK   | 2.386G    | 58.70          | 74.00          | -15.30      | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | PK   | 2.4396G   | 97.79          | Inf            | -Inf        | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | PK   | 2.4864G   | 59.52          | 74.00          | -14.48      | 3        | Vertical   | 87          | 1.00       | -        |
| 2440MHz      | Pass   | AV   | 2.39G     | 16.80          | 54.00          | -37.20      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | AV   | 2.4404G   | 45.28          | Inf            | -Inf        | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | AV   | 2.4964G   | 17.36          | 54.00          | -36.64      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | PK   | 2.39G     | 58.81          | 74.00          | -15.19      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | PK   | 2.4404G   | 87.29          | Inf            | -Inf        | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | PK   | 2.4964G   | 59.37          | 74.00          | -14.63      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz      | Pass   | AV   | 4.88052G  | 19.10          | 54.00          | -34.90      | 3        | Vertical   | 278         | 2.44       | -        |
| 2440MHz      | Pass   | AV   | 7.32068G  | 17.10          | 54.00          | -36.90      | 3        | Vertical   | 360         | 2.55       | -        |
| 2440MHz      | Pass   | PK   | 4.88052G  | 61.11          | 74.00          | -12.89      | 3        | Vertical   | 278         | 2.44       | -        |
| 2440MHz      | Pass   | PK   | 7.32068G  | 59.11          | 74.00          | -14.89      | 3        | Vertical   | 360         | 2.55       | -        |
| 2440MHz      | Pass   | AV   | 4.88056G  | 9.32           | 54.00          | -44.68      | 3        | Horizontal | 229         | 1.60       | -        |
| 2440MHz      | Pass   | AV   | 7.31937G  | 17.06          | 54.00          | -36.94      | 3        | Horizontal | 137         | 1.10       | -        |
| 2440MHz      | Pass   | PK   | 4.88056G  | 51.33          | 74.00          | -22.67      | 3        | Horizontal | 229         | 1.60       | -        |
| 2440MHz      | Pass   | PK   | 7.31937G  | 59.07          | 74.00          | -14.93      | 3        | Horizontal | 137         | 1.10       | -        |
| 2480MHz      | Pass   | AV   | 2.4798G   | 55.64          | Inf            | -Inf        | 3        | Vertical   | 97          | 1.14       | -        |
| 2480MHz      | Pass   | AV   | 2.494G    | 17.60          | 54.00          | -36.40      | 3        | Vertical   | 97          | 1.14       | -        |
| 2480MHz      | Pass   | PK   | 2.4798G   | 97.65          | Inf            | -Inf        | 3        | Vertical   | 97          | 1.14       | -        |
| 2480MHz      | Pass   | PK   | 2.494G    | 59.61          | 74.00          | -14.39      | 3        | Vertical   | 97          | 1.14       | -        |
| 2480MHz      | Pass   | AV   | 2.4802G   | 44.87          | Inf            | -Inf        | 3        | Horizontal | 353         | 2.78       | -        |
| 2480MHz      | Pass   | AV   | 2.4948G   | 17.35          | 54.00          | -36.65      | 3        | Horizontal | 353         | 2.78       | -        |
| 2480MHz      | Pass   | PK   | 2.4802G   | 86.88          | Inf            | -Inf        | 3        | Horizontal | 353         | 2.78       | -        |
| 2480MHz      | Pass   | PK   | 2.4948G   | 59.36          | 74.00          | -14.64      | 3        | Horizontal | 353         | 2.78       | -        |
| 2480MHz      | Pass   | AV   | 4.95992G  | 19.52          | 54.00          | -34.48      | 3        | Vertical   | 308         | 2.97       | -        |
| 2480MHz      | Pass   | AV   | 7.43993G  | 20.30          | 54.00          | -33.70      | 3        | Vertical   | 257         | 1.13       | -        |
| 2480MHz      | Pass   | PK   | 4.95992G  | 61.53          | 74.00          | -12.47      | 3        | Vertical   | 308         | 2.97       | -        |
| 2480MHz      | Pass   | PK   | 7.43993G  | 62.31          | 74.00          | -11.69      | 3        | Vertical   | 257         | 1.13       | -        |
| 2480MHz      | Pass   | AV   | 4.95989G  | 13.96          | 54.00          | -40.04      | 3        | Horizontal | 297         | 1.03       | -        |
| 2480MHz      | Pass   | AV   | 7.44008G  | 14.43          | 54.00          | -39.57      | 3        | Horizontal | 360         | 1.62       | -        |
| 2480MHz      | Pass   | PK   | 4.95989G  | 55.97          | 74.00          | -18.03      | 3        | Horizontal | 297         | 1.03       | -        |
| 2480MHz      | Pass   | PK   | 7.44008G  | 56.44          | 74.00          | -17.56      | 3        | Horizontal | 360         | 1.62       | -        |
| BT-LE(2Mbps) | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 2402MHz      | Pass   | AV   | 2.3716G   | 17.08          | 54.00          | -36.92      | 3        | Vertical   | 119         | 1.00       | -        |
| 2402MHz      | Pass   | AV   | 2.402G    | 50.82          | Inf            | -Inf        | 3        | Vertical   | 119         | 1.00       | -        |
| 2402MHz      | Pass   | PK   | 2.3716G   | 59.09          | 74.00          | -14.91      | 3        | Vertical   | 119         | 1.00       | -        |
| 2402MHz      | Pass   | PK   | 2.402G    | 92.83          | Inf            | -Inf        | 3        | Vertical   | 119         | 1.00       | -        |
| 2402MHz      | Pass   | AV   | 2.384G    | 16.42          | 54.00          | -37.58      | 3        | Horizontal | 0           | 1.32       | -        |
| 2402MHz      | Pass   | AV   | 2.4016G   | 39.94          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.32       | -        |
| 2402MHz      | Pass   | PK   | 2.384G    | 58.43          | 74.00          | -15.57      | 3        | Horizontal | 0           | 1.32       | -        |
| 2402MHz      | Pass   | PK   | 2.4016G   | 81.95          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.32       | -        |
| 2402MHz      | Pass   | AV   | 4.80394G  | 19.78          | 54.00          | -34.22      | 3        | Vertical   | 259         | 3.00       | -        |
| 2402MHz      | Pass   | PK   | 4.80394G  | 61.79          | 74.00          | -12.21      | 3        | Vertical   | 259         | 3.00       | -        |
| 2402MHz      | Pass   | AV   | 4.80493G  | 9.02           | 54.00          | -44.98      | 3        | Horizontal | 330         | 2.10       | -        |

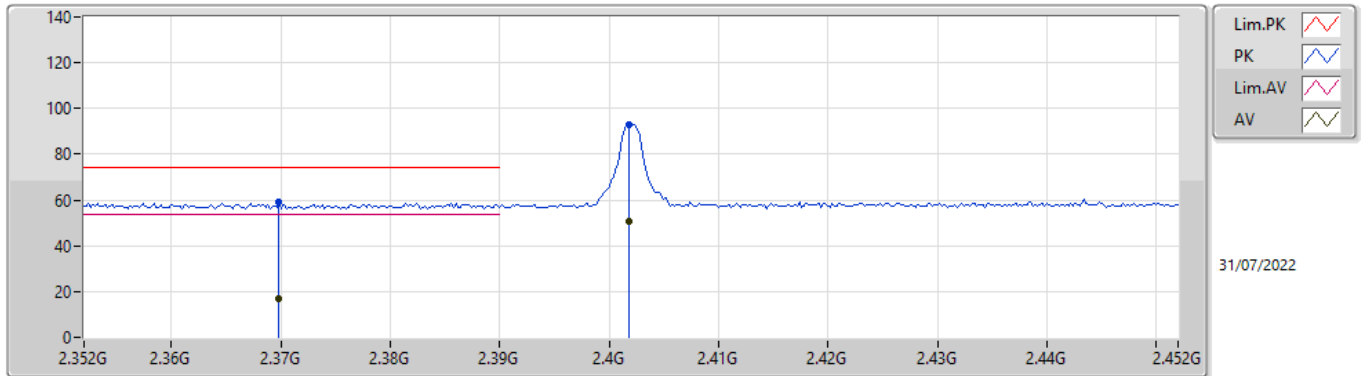
| Mode           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|----------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 2402MHz        | Pass   | PK   | 4.80493G  | 51.03          | 74.00          | -22.97      | 3        | Horizontal | 330         | 2.10       | -        |
| 2440MHz        | Pass   | AV   | 2.39G     | 15.49          | 54.00          | -38.51      | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | AV   | 2.4396G   | 56.16          | Inf            | -Inf        | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | AV   | 2.4894G   | 16.69          | 54.00          | -37.31      | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | PK   | 2.39G     | 57.50          | 74.00          | -16.50      | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | PK   | 2.4396G   | 98.17          | Inf            | -Inf        | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | PK   | 2.4894G   | 58.70          | 74.00          | -15.30      | 3        | Vertical   | 120         | 1.00       | -        |
| 2440MHz        | Pass   | AV   | 2.39G     | 14.72          | 54.00          | -39.28      | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | AV   | 2.4394G   | 45.24          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | AV   | 2.4872G   | 17.09          | 54.00          | -36.91      | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | PK   | 2.39G     | 56.73          | 74.00          | -17.27      | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | PK   | 2.4394G   | 87.25          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | PK   | 2.4872G   | 59.10          | 74.00          | -14.90      | 3        | Horizontal | 0           | 1.33       | -        |
| 2440MHz        | Pass   | AV   | 4.88099G  | 18.14          | 54.00          | -35.86      | 3        | Vertical   | 319         | 2.90       | -        |
| 2440MHz        | Pass   | AV   | 7.31851G  | 20.35          | 54.00          | -33.65      | 3        | Vertical   | 269         | 1.00       | -        |
| 2440MHz        | Pass   | PK   | 4.88099G  | 60.15          | 74.00          | -13.85      | 3        | Vertical   | 319         | 2.90       | -        |
| 2440MHz        | Pass   | PK   | 7.31851G  | 62.36          | 74.00          | -11.64      | 3        | Vertical   | 269         | 1.00       | -        |
| 2440MHz        | Pass   | AV   | 4.87988G  | 12.72          | 54.00          | -41.28      | 3        | Horizontal | 81          | 1.03       | -        |
| 2440MHz        | Pass   | AV   | 7.31988G  | 14.76          | 54.00          | -39.24      | 3        | Horizontal | 0           | 1.80       | -        |
| 2440MHz        | Pass   | PK   | 4.87988G  | 54.73          | 74.00          | -19.27      | 3        | Horizontal | 81          | 1.03       | -        |
| 2440MHz        | Pass   | PK   | 7.31988G  | 56.77          | 74.00          | -17.23      | 3        | Horizontal | 0           | 1.80       | -        |
| 2480MHz        | Pass   | AV   | 2.48G     | 55.83          | Inf            | -Inf        | 3        | Vertical   | 99          | 1.11       | -        |
| 2480MHz        | Pass   | AV   | 2.4838G   | 19.66          | 54.00          | -34.34      | 3        | Vertical   | 99          | 1.11       | -        |
| 2480MHz        | Pass   | PK   | 2.48G     | 97.84          | Inf            | -Inf        | 3        | Vertical   | 99          | 1.11       | -        |
| 2480MHz        | Pass   | PK   | 2.4838G   | 61.67          | 74.00          | -12.33      | 3        | Vertical   | 99          | 1.11       | -        |
| 2480MHz        | Pass   | AV   | 2.4796G   | 44.78          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.78       | -        |
| 2480MHz        | Pass   | AV   | 2.4982G   | 17.26          | 54.00          | -36.74      | 3        | Horizontal | 0           | 2.78       | -        |
| 2480MHz        | Pass   | PK   | 2.4796G   | 86.79          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.78       | -        |
| 2480MHz        | Pass   | PK   | 2.4982G   | 59.32          | 74.00          | -14.68      | 3        | Horizontal | 0           | 2.78       | -        |
| 2480MHz        | Pass   | AV   | 4.95992G  | 19.83          | 54.00          | -34.17      | 3        | Vertical   | 292         | 2.98       | -        |
| 2480MHz        | Pass   | AV   | 7.44161G  | 20.57          | 54.00          | -33.43      | 3        | Vertical   | 265         | 1.14       | -        |
| 2480MHz        | Pass   | PK   | 4.95992G  | 61.84          | 74.00          | -12.16      | 3        | Vertical   | 292         | 2.98       | -        |
| 2480MHz        | Pass   | PK   | 7.44161G  | 62.58          | 74.00          | -11.42      | 3        | Vertical   | 265         | 1.14       | -        |
| 2480MHz        | Pass   | AV   | 4.96007G  | 13.31          | 54.00          | -40.69      | 3        | Horizontal | 305         | 1.10       | -        |
| 2480MHz        | Pass   | AV   | 7.43996G  | 15.35          | 54.00          | -38.65      | 3        | Horizontal | 158         | 1.34       | -        |
| 2480MHz        | Pass   | PK   | 4.96007G  | 55.32          | 74.00          | -18.68      | 3        | Horizontal | 305         | 1.10       | -        |
| 2480MHz        | Pass   | PK   | 7.43996G  | 57.36          | 74.00          | -16.64      | 3        | Horizontal | 158         | 1.34       | -        |
| BT-LE(125kpbs) | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 2402MHz        | Pass   | AV   | 2.3606G   | 16.93          | 54.00          | -37.07      | 3        | Vertical   | 118         | 1.00       | -        |
| 2402MHz        | Pass   | AV   | 2.4022G   | 56.18          | Inf            | -Inf        | 3        | Vertical   | 118         | 1.00       | -        |
| 2402MHz        | Pass   | PK   | 2.3606G   | 58.94          | 74.00          | -15.06      | 3        | Vertical   | 118         | 1.00       | -        |
| 2402MHz        | Pass   | PK   | 2.4022G   | 98.19          | Inf            | -Inf        | 3        | Vertical   | 118         | 1.00       | -        |
| 2402MHz        | Pass   | AV   | 2.3894G   | 16.94          | 54.00          | -37.06      | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz        | Pass   | AV   | 2.4018G   | 44.42          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz        | Pass   | PK   | 2.3894G   | 58.95          | 74.00          | -15.05      | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz        | Pass   | PK   | 2.4018G   | 86.43          | Inf            | -Inf        | 3        | Horizontal | 0           | 2.60       | -        |
| 2402MHz        | Pass   | AV   | 4.80448G  | 18.08          | 54.00          | -35.92      | 3        | Vertical   | 0           | 1.01       | -        |
| 2402MHz        | Pass   | PK   | 4.80448G  | 60.09          | 74.00          | -13.91      | 3        | Vertical   | 0           | 1.01       | -        |
| 2402MHz        | Pass   | AV   | 4.80358G  | 11.82          | 54.00          | -42.18      | 3        | Horizontal | 73          | 1.08       | -        |
| 2402MHz        | Pass   | PK   | 4.80358G  | 53.83          | 74.00          | -20.17      | 3        | Horizontal | 73          | 1.08       | -        |
| 2440MHz        | Pass   | AV   | 2.358G    | 16.96          | 54.00          | -37.04      | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | AV   | 2.4396G   | 55.20          | Inf            | -Inf        | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | AV   | 2.4904G   | 17.23          | 54.00          | -36.77      | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | PK   | 2.358G    | 58.97          | 74.00          | -15.03      | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | PK   | 2.4396G   | 97.21          | Inf            | -Inf        | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | PK   | 2.4904G   | 59.24          | 74.00          | -14.76      | 3        | Vertical   | 88          | 1.22       | -        |
| 2440MHz        | Pass   | AV   | 2.354G    | 17.45          | 54.00          | -36.55      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz        | Pass   | AV   | 2.4404G   | 43.80          | Inf            | -Inf        | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz        | Pass   | AV   | 2.4972G   | 17.88          | 54.00          | -36.12      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz        | Pass   | PK   | 2.354G    | 59.46          | 74.00          | -14.54      | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz        | Pass   | PK   | 2.4404G   | 85.81          | Inf            | -Inf        | 3        | Horizontal | 357         | 1.53       | -        |
| 2440MHz        | Pass   | PK   | 2.4972G   | 59.89          | 74.00          | -14.11      | 3        | Horizontal | 357         | 1.53       | -        |

| Mode           | Result | Type | Freq (Hz) | Level (dBuV/m) | Limit (dBuV/m) | Margin (dB) | Dist (m) | Condition  | Azimuth (°) | Height (m) | Comments |
|----------------|--------|------|-----------|----------------|----------------|-------------|----------|------------|-------------|------------|----------|
| 2440MHz        | Pass   | AV   | 4.88057G  | 18.72          | 54.00          | -35.28      | 3        | Vertical   | 319         | 2.98       | -        |
| 2440MHz        | Pass   | AV   | 7.31922G  | 17.96          | 54.00          | -36.04      | 3        | Vertical   | 249         | 2.54       | -        |
| 2440MHz        | Pass   | PK   | 4.88057G  | 60.73          | 74.00          | -13.27      | 3        | Vertical   | 319         | 2.98       | -        |
| 2440MHz        | Pass   | PK   | 7.31922G  | 59.97          | 74.00          | -14.03      | 3        | Vertical   | 249         | 2.54       | -        |
| 2440MHz        | Pass   | AV   | 4.87958G  | 13.09          | 54.00          | -40.91      | 3        | Horizontal | 67          | 1.19       | -        |
| 2440MHz        | Pass   | AV   | 7.32068G  | 14.80          | 54.00          | -39.20      | 3        | Horizontal | 0           | 1.19       | -        |
| 2440MHz        | Pass   | PK   | 4.87958G  | 55.10          | 74.00          | -18.90      | 3        | Horizontal | 67          | 1.19       | -        |
| 2440MHz        | Pass   | PK   | 7.32068G  | 56.81          | 74.00          | -17.19      | 3        | Horizontal | 0           | 1.19       | -        |
| 2480MHz        | Pass   | AV   | 2.4798G   | 54.37          | Inf            | -Inf        | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | AV   | 2.4966G   | 17.45          | 54.00          | -36.55      | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | PK   | 2.4798G   | 96.38          | Inf            | -Inf        | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | PK   | 2.4966G   | 59.46          | 74.00          | -14.54      | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | AV   | 2.4802G   | 41.72          | Inf            | -Inf        | 3        | Horizontal | 3           | 1.53       | -        |
| 2480MHz        | Pass   | AV   | 2.4944G   | 17.63          | 54.00          | -36.37      | 3        | Horizontal | 3           | 1.53       | -        |
| 2480MHz        | Pass   | PK   | 2.4802G   | 83.73          | Inf            | -Inf        | 3        | Horizontal | 3           | 1.53       | -        |
| 2480MHz        | Pass   | PK   | 2.4944G   | 59.64          | 74.00          | -14.36      | 3        | Horizontal | 3           | 1.53       | -        |
| 2480MHz        | Pass   | AV   | 4.96002G  | 19.75          | 54.00          | -34.25      | 3        | Vertical   | 287         | 2.96       | -        |
| 2480MHz        | Pass   | AV   | 7.44068G  | 17.97          | 54.00          | -36.03      | 3        | Vertical   | 260         | 2.88       | -        |
| 2480MHz        | Pass   | PK   | 4.96002G  | 61.76          | 74.00          | -12.24      | 3        | Vertical   | 287         | 2.96       | -        |
| 2480MHz        | Pass   | PK   | 7.44068G  | 59.98          | 74.00          | -14.02      | 3        | Vertical   | 260         | 2.88       | -        |
| 2480MHz        | Pass   | AV   | 4.95942G  | 13.47          | 54.00          | -40.53      | 3        | Horizontal | 167         | 3.00       | -        |
| 2480MHz        | Pass   | AV   | 7.44071G  | 14.67          | 54.00          | -39.33      | 3        | Horizontal | 35          | 1.13       | -        |
| 2480MHz        | Pass   | PK   | 4.95942G  | 55.48          | 74.00          | -18.52      | 3        | Horizontal | 167         | 3.00       | -        |
| 2480MHz        | Pass   | PK   | 7.44071G  | 56.68          | 74.00          | -17.32      | 3        | Horizontal | 35          | 1.13       | -        |
| BT-LE(500kbps) | -      | -    | -         | -              | -              | -           | -        | -          | -           | -          | -        |
| 2402MHz        | Pass   | AV   | 2.3822G   | 16.97          | 54.00          | -37.03      | 3        | Vertical   | 118         | 1.01       | -        |
| 2402MHz        | Pass   | AV   | 2.4018G   | 54.89          | Inf            | -Inf        | 3        | Vertical   | 118         | 1.01       | -        |
| 2402MHz        | Pass   | PK   | 2.3822G   | 58.98          | 74.00          | -15.02      | 3        | Vertical   | 118         | 1.01       | -        |
| 2402MHz        | Pass   | PK   | 2.4018G   | 96.90          | Inf            | -Inf        | 3        | Vertical   | 118         | 1.01       | -        |
| 2402MHz        | Pass   | AV   | 2.3788G   | 17.15          | 54.00          | -36.85      | 3        | Horizontal | 0           | 1.34       | -        |
| 2402MHz        | Pass   | AV   | 2.4022G   | 42.45          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.34       | -        |
| 2402MHz        | Pass   | PK   | 2.3788G   | 59.16          | 74.00          | -14.84      | 3        | Horizontal | 0           | 1.34       | -        |
| 2402MHz        | Pass   | PK   | 2.4022G   | 84.46          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.34       | -        |
| 2402MHz        | Pass   | AV   | 4.80452G  | 18.50          | 54.00          | -35.50      | 3        | Vertical   | 67          | 1.00       | -        |
| 2402MHz        | Pass   | PK   | 4.80452G  | 60.51          | 74.00          | -13.49      | 3        | Vertical   | 67          | 1.00       | -        |
| 2402MHz        | Pass   | AV   | 4.8044G   | 13.13          | 54.00          | -40.87      | 3        | Horizontal | 68          | 1.10       | -        |
| 2402MHz        | Pass   | PK   | 4.8044G   | 55.14          | 74.00          | -18.86      | 3        | Horizontal | 68          | 1.10       | -        |
| 2440MHz        | Pass   | AV   | 2.39G     | 15.19          | 54.00          | -38.81      | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | AV   | 2.4398G   | 54.79          | Inf            | -Inf        | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | AV   | 2.4848G   | 16.81          | 54.00          | -37.19      | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | PK   | 2.39G     | 57.20          | 74.00          | -16.80      | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | PK   | 2.4398G   | 96.80          | Inf            | -Inf        | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | PK   | 2.4848G   | 58.82          | 74.00          | -15.18      | 3        | Vertical   | 88          | 1.21       | -        |
| 2440MHz        | Pass   | AV   | 2.39G     | 14.64          | 54.00          | -39.36      | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | AV   | 2.4398G   | 43.29          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | AV   | 2.4876G   | 17.23          | 54.00          | -36.77      | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | PK   | 2.39G     | 56.65          | 74.00          | -17.35      | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | PK   | 2.4398G   | 85.30          | Inf            | -Inf        | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | PK   | 2.4876G   | 59.24          | 74.00          | -14.76      | 3        | Horizontal | 0           | 1.32       | -        |
| 2440MHz        | Pass   | AV   | 4.88055G  | 19.02          | 54.00          | -34.98      | 3        | Vertical   | 320         | 2.97       | -        |
| 2440MHz        | Pass   | AV   | 7.32076G  | 17.48          | 54.00          | -36.52      | 3        | Vertical   | 259         | 2.97       | -        |
| 2440MHz        | Pass   | PK   | 4.88055G  | 61.03          | 74.00          | -12.97      | 3        | Vertical   | 320         | 2.97       | -        |
| 2440MHz        | Pass   | PK   | 7.32076G  | 59.49          | 74.00          | -14.51      | 3        | Vertical   | 259         | 2.97       | -        |
| 2440MHz        | Pass   | AV   | 4.87962G  | 13.09          | 54.00          | -40.91      | 3        | Horizontal | 68          | 1.03       | -        |
| 2440MHz        | Pass   | AV   | 7.31927G  | 15.05          | 54.00          | -38.95      | 3        | Horizontal | 246         | 1.19       | -        |
| 2440MHz        | Pass   | PK   | 4.87962G  | 55.10          | 74.00          | -18.90      | 3        | Horizontal | 68          | 1.03       | -        |
| 2440MHz        | Pass   | PK   | 7.31927G  | 57.06          | 74.00          | -16.94      | 3        | Horizontal | 246         | 1.19       | -        |
| 2480MHz        | Pass   | AV   | 2.4798G   | 54.89          | Inf            | -Inf        | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | AV   | 2.4848G   | 17.02          | 54.00          | -36.98      | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | PK   | 2.4798G   | 96.90          | Inf            | -Inf        | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | PK   | 2.4848G   | 59.03          | 74.00          | -14.97      | 3        | Vertical   | 96          | 1.04       | -        |
| 2480MHz        | Pass   | AV   | 2.4802G   | 41.96          | Inf            | -Inf        | 3        | Horizontal | 1           | 1.54       | -        |

| Mode    | Result | Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comments |
|---------|--------|------|--------------|-------------------|-------------------|----------------|-------------|------------|----------------|---------------|----------|
| 2480MHz | Pass   | AV   | 2.4964G      | 17.19             | 54.00             | -36.81         | 3           | Horizontal | 1              | 1.54          | -        |
| 2480MHz | Pass   | PK   | 2.4802G      | 83.97             | Inf               | -Inf           | 3           | Horizontal | 1              | 1.54          | -        |
| 2480MHz | Pass   | PK   | 2.4964G      | 59.20             | 74.00             | -14.80         | 3           | Horizontal | 1              | 1.54          | -        |
| 2480MHz | Pass   | AV   | 4.96051G     | 20.15             | 54.00             | -33.85         | 3           | Vertical   | 283            | 2.97          | -        |
| 2480MHz | Pass   | AV   | 7.43938G     | 17.32             | 54.00             | -36.68         | 3           | Vertical   | 247            | 2.78          | -        |
| 2480MHz | Pass   | PK   | 4.96051G     | 62.16             | 74.00             | -11.84         | 3           | Vertical   | 283            | 2.97          | -        |
| 2480MHz | Pass   | PK   | 7.43938G     | 59.33             | 74.00             | -14.67         | 3           | Vertical   | 247            | 2.78          | -        |
| 2480MHz | Pass   | AV   | 4.96058G     | 12.89             | 54.00             | -41.11         | 3           | Horizontal | 331            | 2.69          | -        |
| 2480MHz | Pass   | AV   | 7.44078G     | 14.84             | 54.00             | -39.16         | 3           | Horizontal | 36             | 1.14          | -        |
| 2480MHz | Pass   | PK   | 4.96058G     | 54.90             | 74.00             | -19.10         | 3           | Horizontal | 331            | 2.69          | -        |
| 2480MHz | Pass   | PK   | 7.44078G     | 56.85             | 74.00             | -17.15         | 3           | Horizontal | 36             | 1.14          | -        |

## BT-LE(1Mbps)

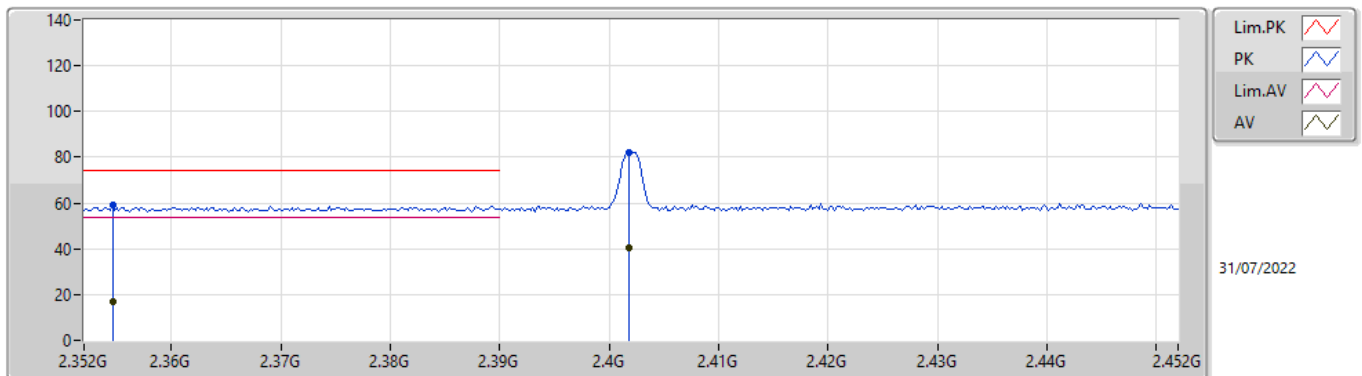
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3698G      | 17.13             | 54.00             | -36.87         | 31.83          | 3           | Vertical  | 109            | 1.17          | -       | -14.70        | 27.34      | 4.49       | -          |
| AV   | 2.4018G      | 50.71             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 109            | 1.17          | -       | 18.83         | 27.41      | 4.47       | -          |
| PK   | 2.3698G      | 59.14             | 74.00             | -14.86         | 31.83          | 3           | Vertical  | 109            | 1.17          | -       | 27.31         | 27.34      | 4.49       | -          |
| PK   | 2.4018G      | 92.72             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 109            | 1.17          | -       | 60.84         | 27.41      | 4.47       | -          |

## BT-LE(1Mbps)

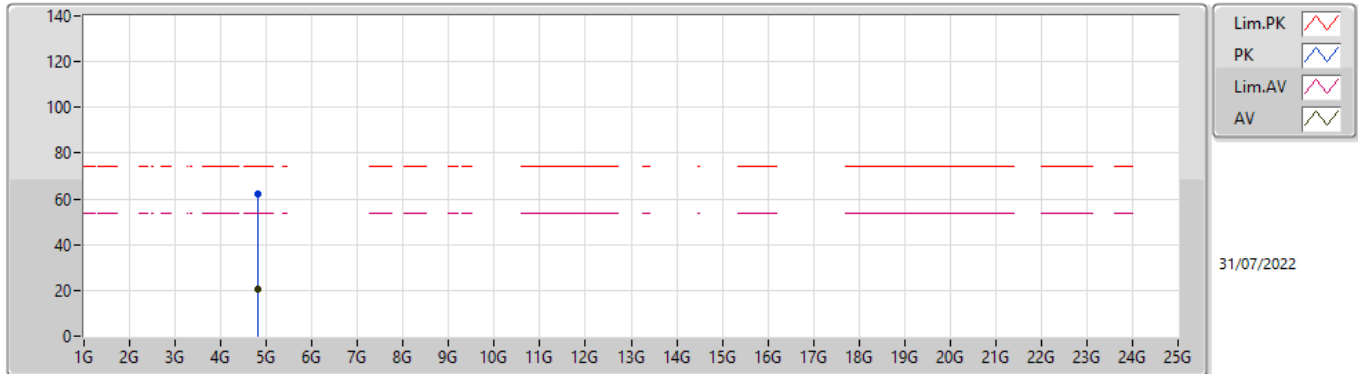
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3546G      | 17.03             | 54.00             | -36.97         | 31.81          | 3           | Horizontal | 0              | 2.60          | -       | -14.78        | 27.31      | 4.50       | -          |
| AV   | 2.4018G      | 40.16             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 2.60          | -       | 8.28          | 27.41      | 4.47       | -          |
| PK   | 2.3546G      | 59.04             | 74.00             | -14.96         | 31.81          | 3           | Horizontal | 0              | 2.60          | -       | 27.23         | 27.31      | 4.50       | -          |
| PK   | 2.4018G      | 82.17             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 2.60          | -       | 50.29         | 27.41      | 4.47       | -          |

## BT-LE(1Mbps)

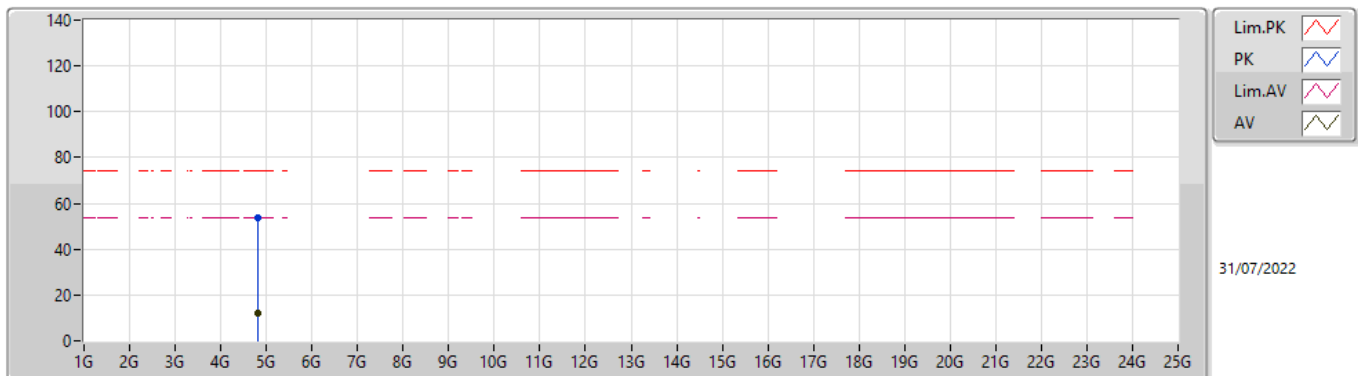
### 2402MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.80394G | 20.37    | 54.00    | -33.63 | 5.13   | 3    | Vertical  | 270     | 2.80   | -       | 15.24  | 32.52 | 6.90 | 34.29 |
| PK   | 4.80394G | 62.38    | 74.00    | -11.62 | 5.13   | 3    | Vertical  | 270     | 2.80   | -       | 57.25  | 32.52 | 6.90 | 34.29 |

## BT-LE(1Mbps)

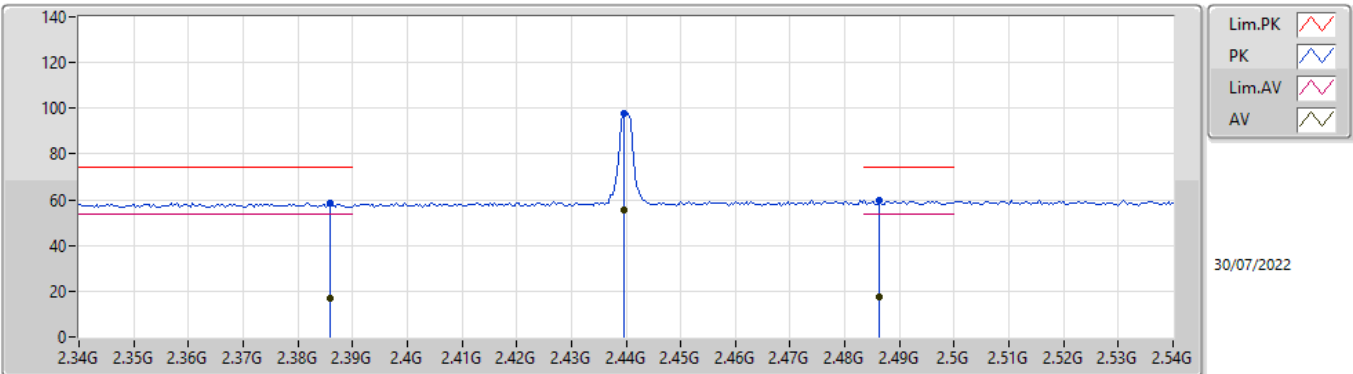
### 2402MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.80353G | 11.87    | 54.00    | -42.13 | 5.12   | 3    | Horizontal | 349     | 3.00   | -       | 6.75   | 32.51 | 6.90 | 34.29 |
| PK   | 4.80353G | 53.88    | 74.00    | -20.12 | 5.12   | 3    | Horizontal | 349     | 3.00   | -       | 48.76  | 32.51 | 6.90 | 34.29 |

## BT-LE(1Mbps)

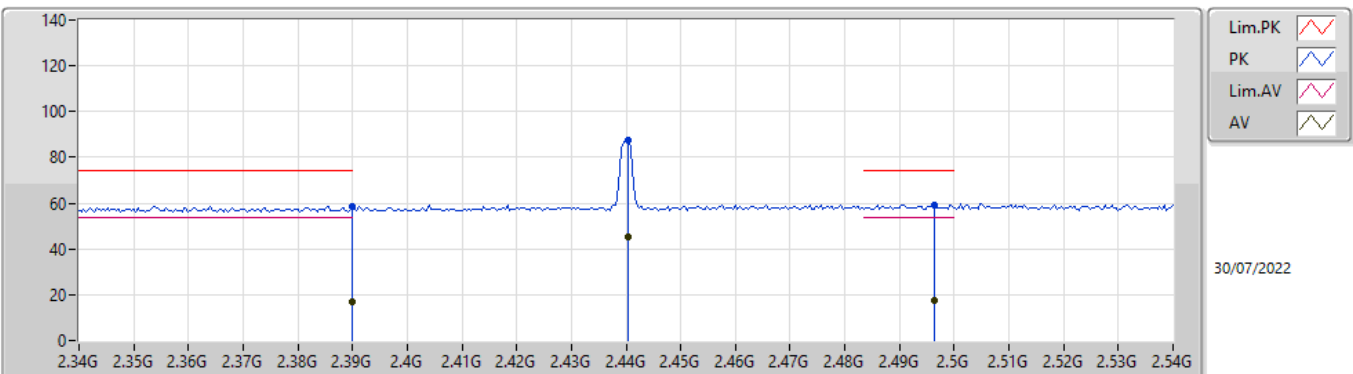
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.386G  | 16.69    | 54.00    | -37.31 | 31.74  | 3    | Vertical  | 87      | 1.00   | -       | -15.05 | 27.37 | 4.37 | -    |
| AV   | 2.4396G | 55.78    | Inf      | -Inf   | 32.01  | 3    | Vertical  | 87      | 1.00   | -       | 23.77  | 27.56 | 4.45 | -    |
| AV   | 2.4864G | 17.51    | 54.00    | -36.49 | 32.33  | 3    | Vertical  | 87      | 1.00   | -       | -14.82 | 27.82 | 4.51 | -    |
| PK   | 2.386G  | 58.70    | 74.00    | -15.30 | 31.74  | 3    | Vertical  | 87      | 1.00   | -       | 26.96  | 27.37 | 4.37 | -    |
| PK   | 2.4396G | 97.79    | Inf      | -Inf   | 32.01  | 3    | Vertical  | 87      | 1.00   | -       | 65.78  | 27.56 | 4.45 | -    |
| PK   | 2.4864G | 59.52    | 74.00    | -14.48 | 32.33  | 3    | Vertical  | 87      | 1.00   | -       | 27.19  | 27.82 | 4.51 | -    |

## BT-LE(1Mbps)

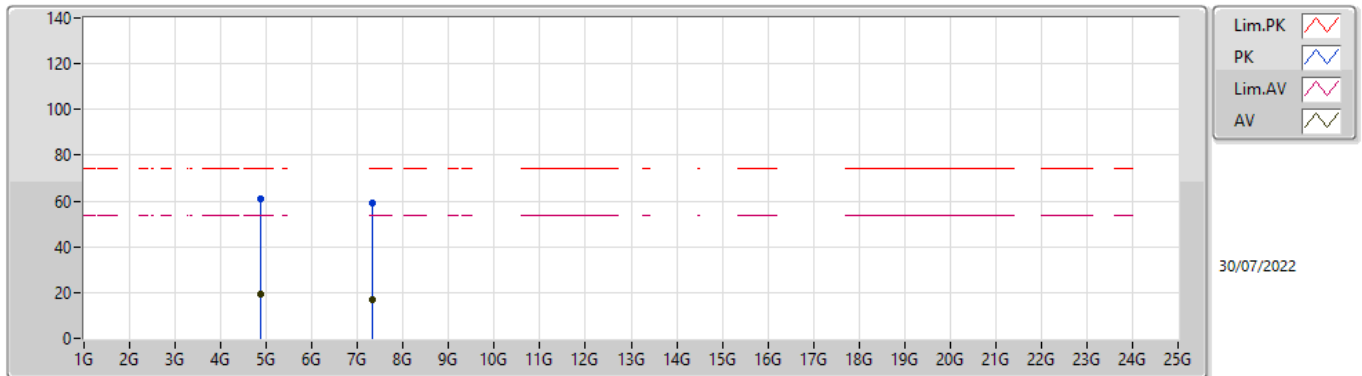
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 16.80    | 54.00    | -37.20 | 31.76  | 3    | Horizontal | 357     | 1.53   | -       | -14.96 | 27.38 | 4.38 | -    |
| AV   | 2.4404G | 45.28    | Inf      | -Inf   | 32.01  | 3    | Horizontal | 357     | 1.53   | -       | 13.27  | 27.56 | 4.45 | -    |
| AV   | 2.4964G | 17.36    | 54.00    | -36.64 | 32.40  | 3    | Horizontal | 357     | 1.53   | -       | -15.04 | 27.88 | 4.52 | -    |
| PK   | 2.39G   | 58.81    | 74.00    | -15.19 | 31.76  | 3    | Horizontal | 357     | 1.53   | -       | 27.05  | 27.38 | 4.38 | -    |
| PK   | 2.4404G | 87.29    | Inf      | -Inf   | 32.01  | 3    | Horizontal | 357     | 1.53   | -       | 55.28  | 27.56 | 4.45 | -    |
| PK   | 2.4964G | 59.37    | 74.00    | -14.63 | 32.40  | 3    | Horizontal | 357     | 1.53   | -       | 26.97  | 27.88 | 4.52 | -    |

## BT-LE(1Mbps)

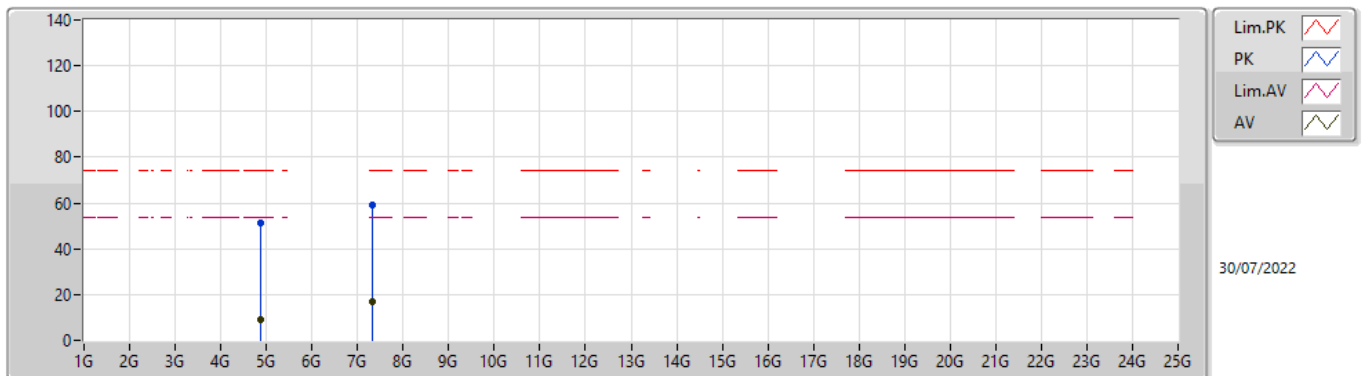
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.88052G     | 19.10             | 54.00             | -34.90         | 4.79           | 3           | Vertical  | 278            | 2.44          | -       | 14.31         | 32.76      | 6.31       | 34.28      |
| AV   | 7.32068G     | 17.10             | 54.00             | -36.90         | 10.12          | 3           | Vertical  | 360            | 2.55          | -       | 6.98          | 36.78      | 8.14       | 34.80      |
| PK   | 4.88052G     | 61.11             | 74.00             | -12.89         | 4.79           | 3           | Vertical  | 278            | 2.44          | -       | 56.32         | 32.76      | 6.31       | 34.28      |
| PK   | 7.32068G     | 59.11             | 74.00             | -14.89         | 10.12          | 3           | Vertical  | 360            | 2.55          | -       | 48.99         | 36.78      | 8.14       | 34.80      |

## BT-LE(1Mbps)

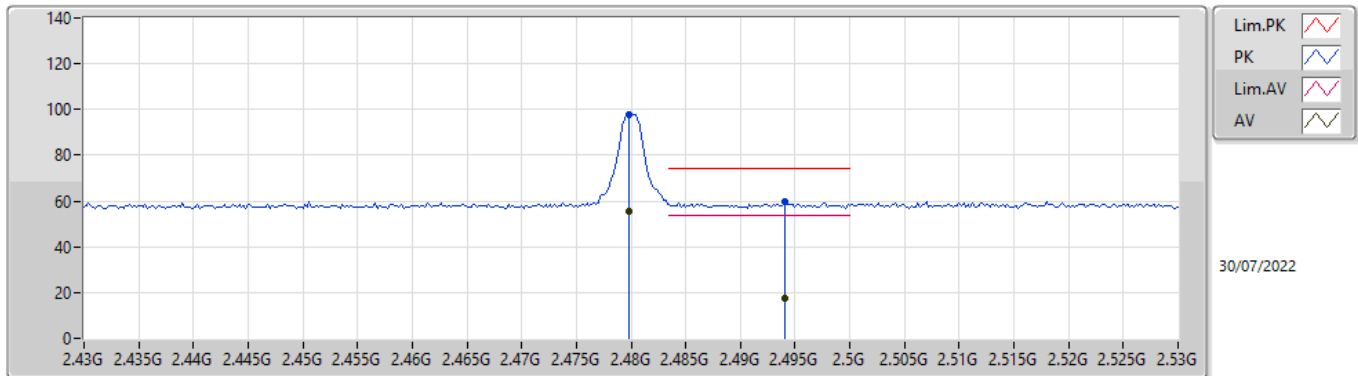
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.88056G     | 9.32              | 54.00             | -44.68         | 4.79           | 3           | Horizontal | 229            | 1.60          | -       | 4.53          | 32.76      | 6.31       | 34.28      |
| AV   | 7.31937G     | 17.06             | 54.00             | -36.94         | 10.12          | 3           | Horizontal | 137            | 1.10          | -       | 6.94          | 36.78      | 8.14       | 34.80      |
| PK   | 4.88056G     | 51.33             | 74.00             | -22.67         | 4.79           | 3           | Horizontal | 229            | 1.60          | -       | 46.54         | 32.76      | 6.31       | 34.28      |
| PK   | 7.31937G     | 59.07             | 74.00             | -14.93         | 10.12          | 3           | Horizontal | 137            | 1.10          | -       | 48.95         | 36.78      | 8.14       | 34.80      |

## BT-LE(1Mbps)

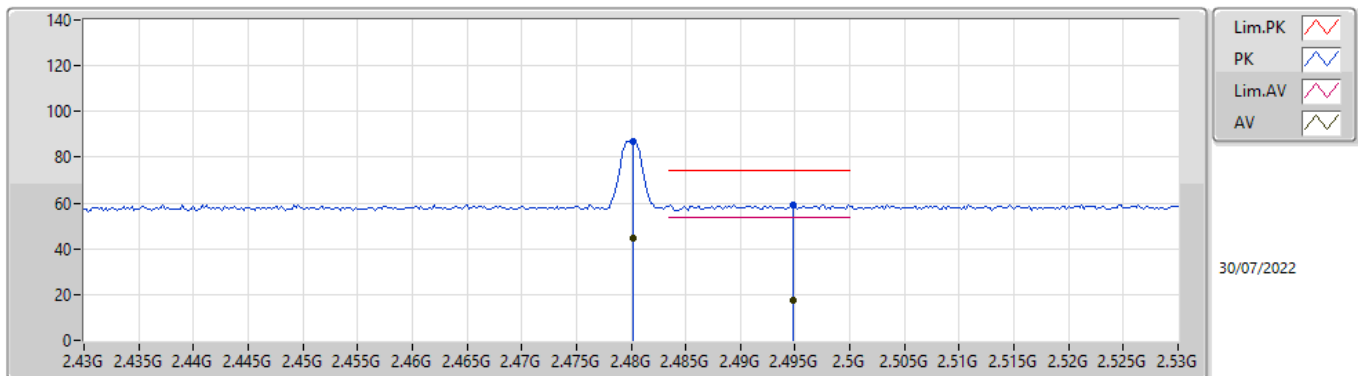
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4798G      | 55.64             | Inf               | -Inf           | 32.28          | 3           | Vertical  | 97             | 1.14          | -       | 23.36         | 27.78      | 4.50       | -          |
| AV   | 2.494G       | 17.60             | 54.00             | -36.40         | 32.38          | 3           | Vertical  | 97             | 1.14          | -       | -14.78        | 27.86      | 4.52       | -          |
| PK   | 2.4798G      | 97.65             | Inf               | -Inf           | 32.28          | 3           | Vertical  | 97             | 1.14          | -       | 65.37         | 27.78      | 4.50       | -          |
| PK   | 2.494G       | 59.61             | 74.00             | -14.39         | 32.38          | 3           | Vertical  | 97             | 1.14          | -       | 27.23         | 27.86      | 4.52       | -          |

## BT-LE(1Mbps)

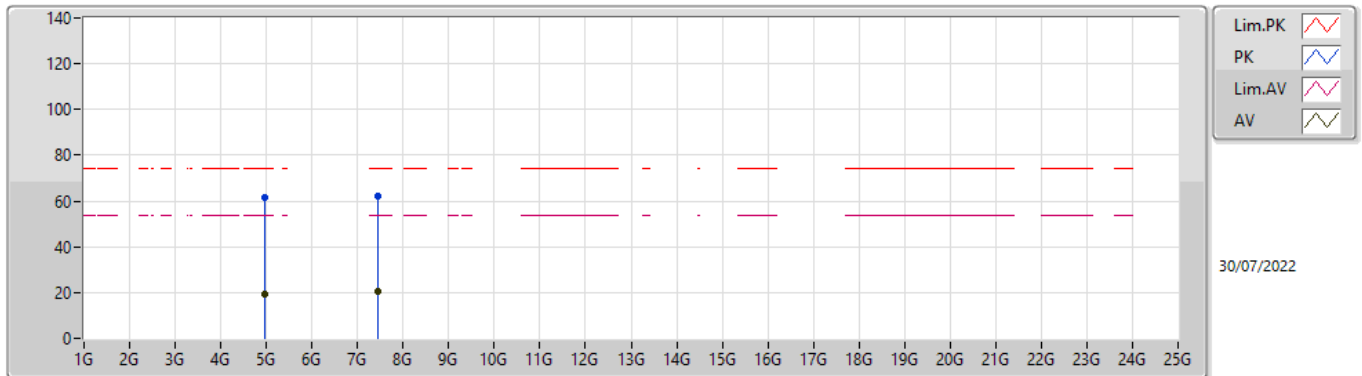
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4802G      | 44.87             | Inf               | -Inf           | 32.28          | 3           | Horizontal | 353            | 2.78          | -       | 12.59         | 27.78      | 4.50       | -          |
| AV   | 2.4948G      | 17.35             | 54.00             | -36.65         | 32.39          | 3           | Horizontal | 353            | 2.78          | -       | -15.04        | 27.87      | 4.52       | -          |
| PK   | 2.4802G      | 86.88             | Inf               | -Inf           | 32.28          | 3           | Horizontal | 353            | 2.78          | -       | 54.60         | 27.78      | 4.50       | -          |
| PK   | 2.4948G      | 59.36             | 74.00             | -14.64         | 32.39          | 3           | Horizontal | 353            | 2.78          | -       | 26.97         | 27.87      | 4.52       | -          |

## BT-LE(1Mbps)

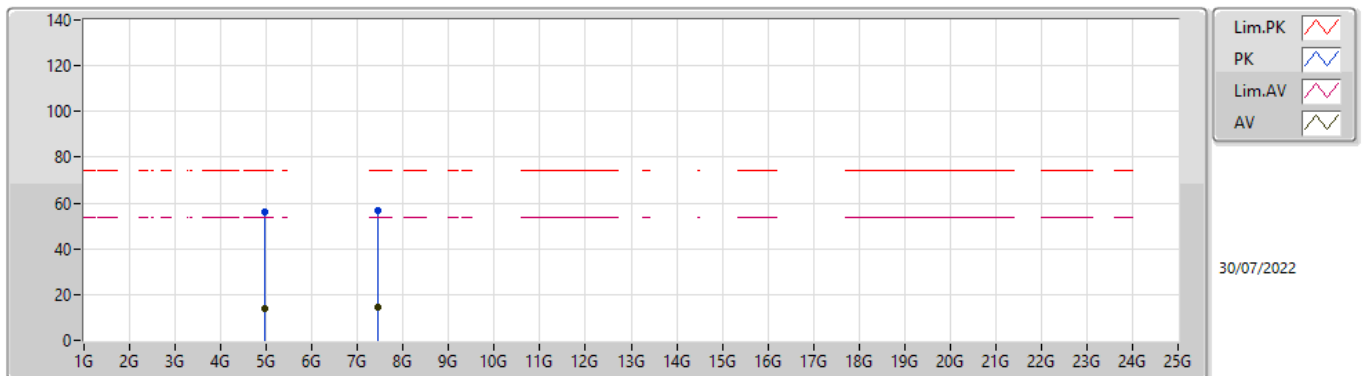
### 2480MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.95992G | 19.52    | 54.00    | -34.48 | 5.23   | 3    | Vertical  | 308     | 2.97   | -       | 14.29  | 33.14 | 6.36 | 34.27 |
| AV   | 7.43993G | 20.30    | 54.00    | -33.70 | 9.95   | 3    | Vertical  | 257     | 1.13   | -       | 10.35  | 36.60 | 8.17 | 34.82 |
| PK   | 4.95992G | 61.53    | 74.00    | -12.47 | 5.23   | 3    | Vertical  | 308     | 2.97   | -       | 56.30  | 33.14 | 6.36 | 34.27 |
| PK   | 7.43993G | 62.31    | 74.00    | -11.69 | 9.95   | 3    | Vertical  | 257     | 1.13   | -       | 52.36  | 36.60 | 8.17 | 34.82 |

## BT-LE(1Mbps)

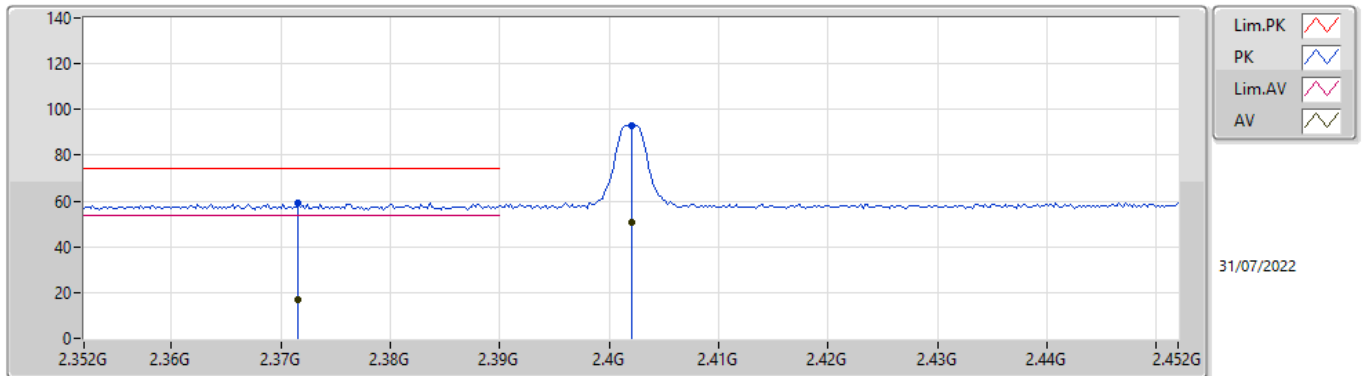
### 2480MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.95989G | 13.96    | 54.00    | -40.04 | 5.23   | 3    | Horizontal | 297     | 1.03   | -       | 8.73   | 33.14 | 6.36 | 34.27 |
| AV   | 7.44008G | 14.43    | 54.00    | -39.57 | 9.95   | 3    | Horizontal | 360     | 1.62   | -       | 4.48   | 36.60 | 8.17 | 34.82 |
| PK   | 4.95989G | 55.97    | 74.00    | -18.03 | 5.23   | 3    | Horizontal | 297     | 1.03   | -       | 50.74  | 33.14 | 6.36 | 34.27 |
| PK   | 7.44008G | 56.44    | 74.00    | -17.56 | 9.95   | 3    | Horizontal | 360     | 1.62   | -       | 46.49  | 36.60 | 8.17 | 34.82 |

## BT-LE(2Mbps)

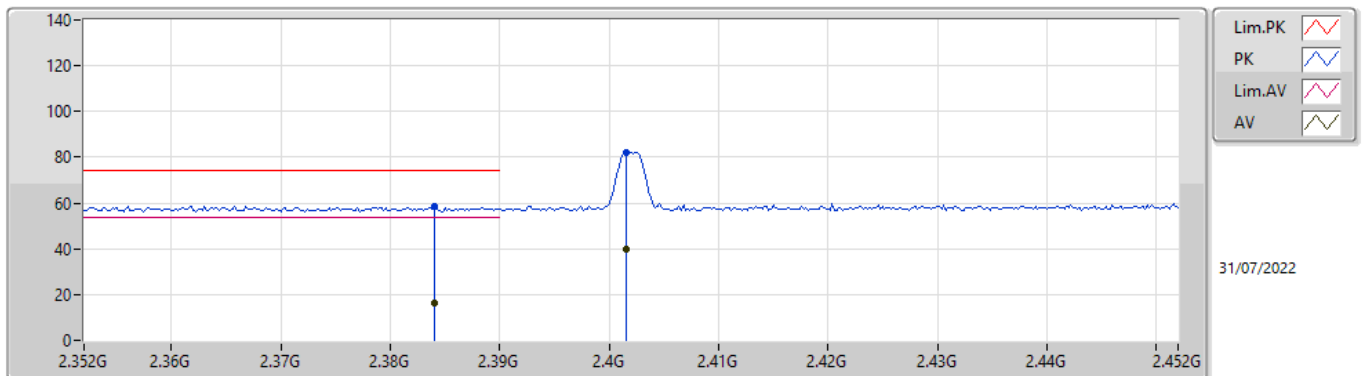
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3716G      | 17.08             | 54.00             | -36.92         | 31.83          | 3           | Vertical  | 119            | 1.00          | -       | -14.75        | 27.34      | 4.49       | -          |
| AV   | 2.402G       | 50.82             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 119            | 1.00          | -       | 18.94         | 27.41      | 4.47       | -          |
| PK   | 2.3716G      | 59.09             | 74.00             | -14.91         | 31.83          | 3           | Vertical  | 119            | 1.00          | -       | 27.26         | 27.34      | 4.49       | -          |
| PK   | 2.402G       | 92.83             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 119            | 1.00          | -       | 60.95         | 27.41      | 4.47       | -          |

## BT-LE(2Mbps)

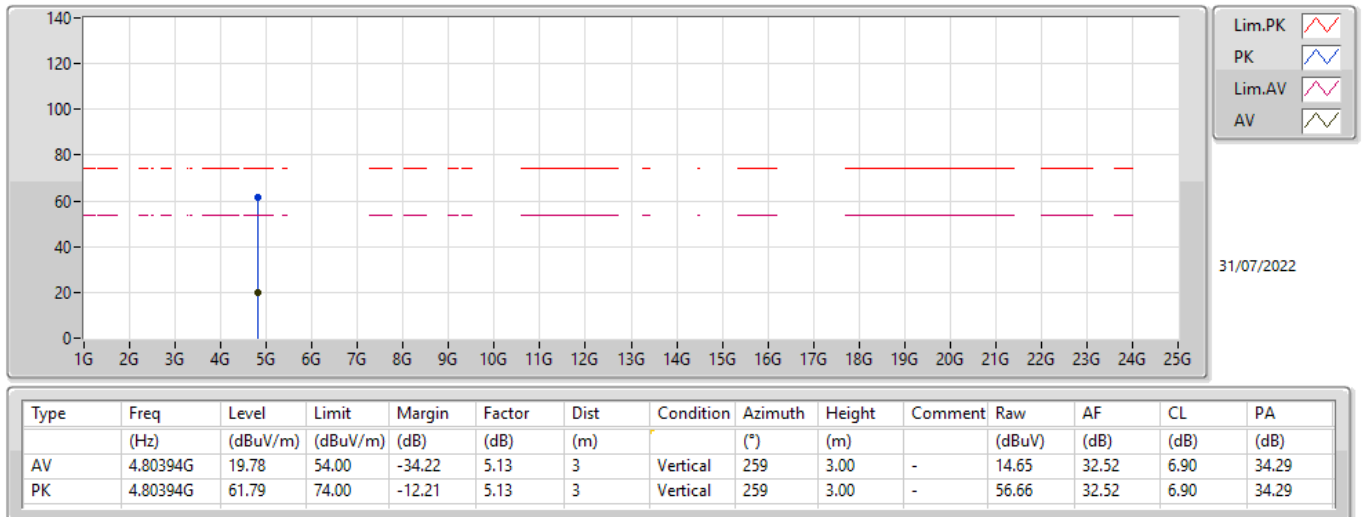
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.384G       | 16.42             | 54.00             | -37.58         | 31.85          | 3           | Horizontal | 0              | 1.32          | -       | -15.43        | 27.37      | 4.48       | -          |
| AV   | 2.4016G      | 39.94             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 1.32          | -       | 8.06          | 27.41      | 4.47       | -          |
| PK   | 2.384G       | 58.43             | 74.00             | -15.57         | 31.85          | 3           | Horizontal | 0              | 1.32          | -       | 26.58         | 27.37      | 4.48       | -          |
| PK   | 2.4016G      | 81.95             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 1.32          | -       | 50.07         | 27.41      | 4.47       | -          |

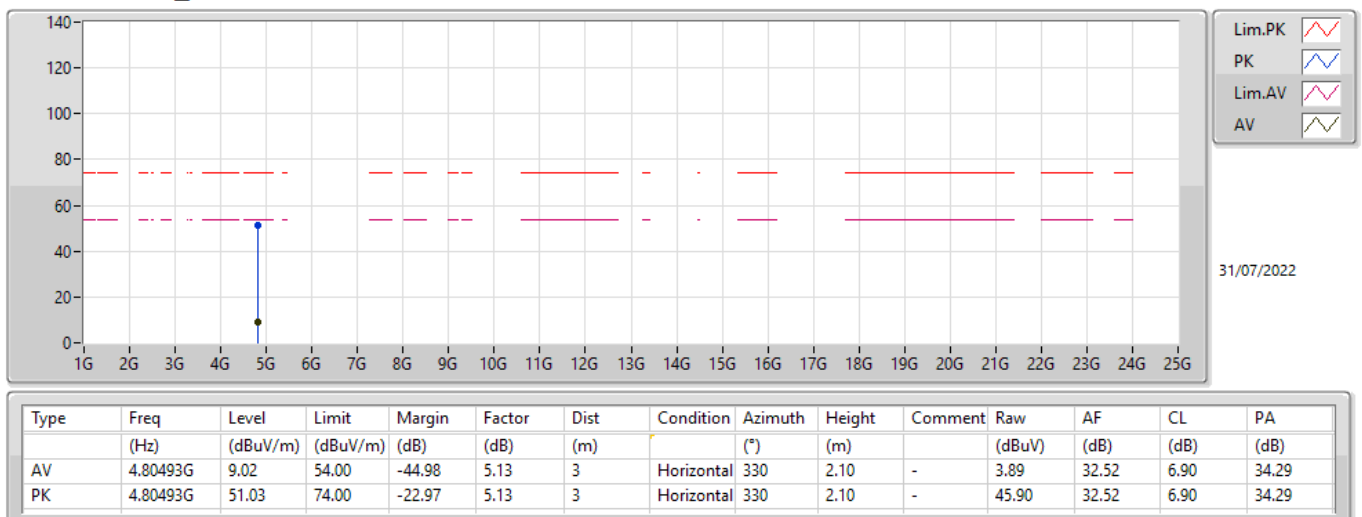
## BT-LE(2Mbps)

### 2402MHz\_TX



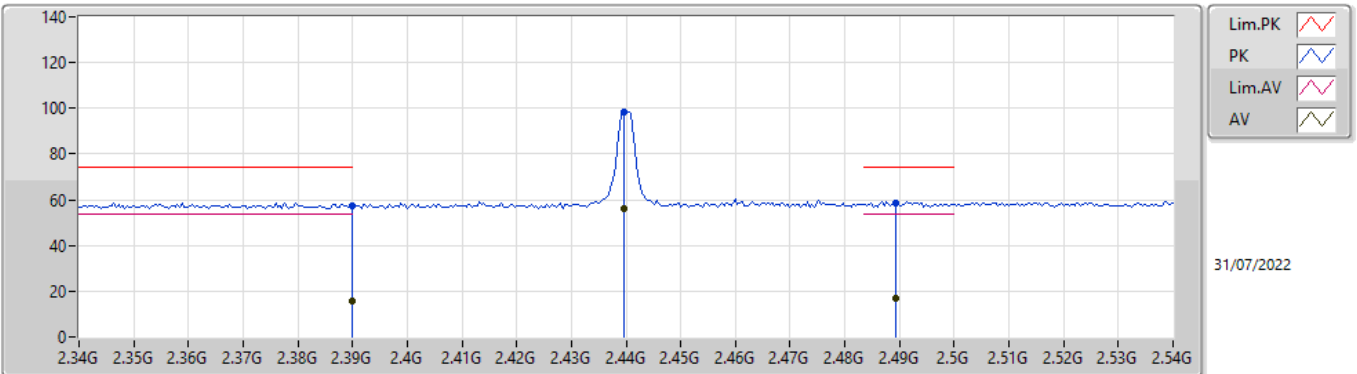
## BT-LE(2Mbps)

### 2402MHz\_TX



## BT-LE(2Mbps)

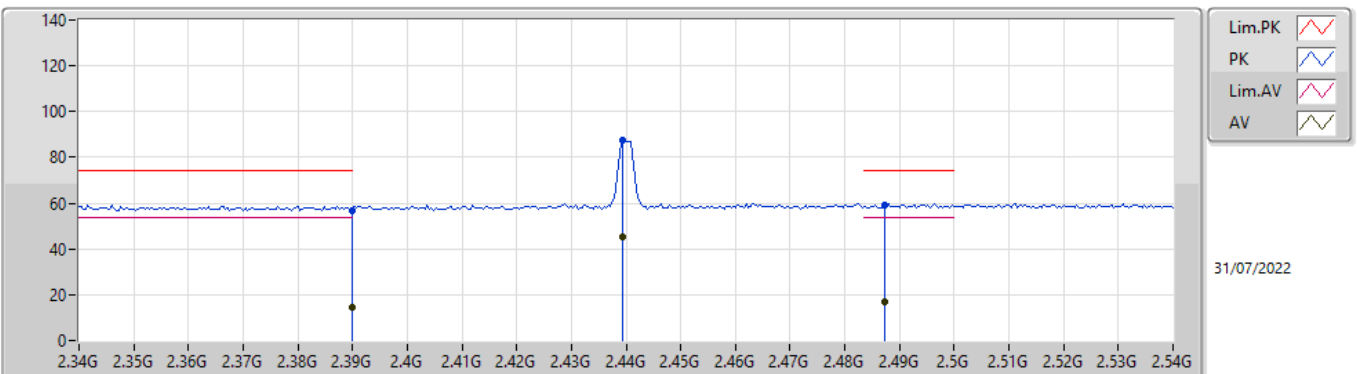
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 15.49    | 54.00    | -38.51 | 31.86  | 3    | Vertical  | 120     | 1.00   | -       | -16.37 | 27.38 | 4.48 | -    |
| AV   | 2.4396G | 56.16    | Inf      | -Inf   | 32.04  | 3    | Vertical  | 120     | 1.00   | -       | 24.12  | 27.56 | 4.48 | -    |
| AV   | 2.4894G | 16.69    | 54.00    | -37.31 | 32.32  | 3    | Vertical  | 120     | 1.00   | -       | -15.63 | 27.84 | 4.48 | -    |
| PK   | 2.39G   | 57.50    | 74.00    | -16.50 | 31.86  | 3    | Vertical  | 120     | 1.00   | -       | 25.64  | 27.38 | 4.48 | -    |
| PK   | 2.4396G | 98.17    | Inf      | -Inf   | 32.04  | 3    | Vertical  | 120     | 1.00   | -       | 66.13  | 27.56 | 4.48 | -    |
| PK   | 2.4894G | 58.70    | 74.00    | -15.30 | 32.32  | 3    | Vertical  | 120     | 1.00   | -       | 26.38  | 27.84 | 4.48 | -    |

## BT-LE(2Mbps)

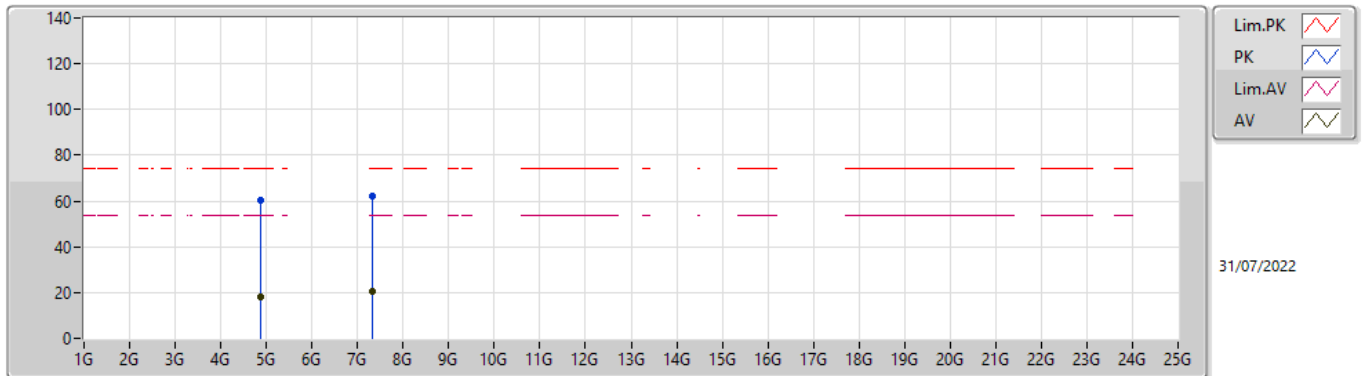
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 14.72    | 54.00    | -39.28 | 31.86  | 3    | Horizontal | 0       | 1.33   | -       | -17.14 | 27.38 | 4.48 | -    |
| AV   | 2.4394G | 45.24    | Inf      | -Inf   | 32.04  | 3    | Horizontal | 0       | 1.33   | -       | 13.20  | 27.56 | 4.48 | -    |
| AV   | 2.4872G | 17.09    | 54.00    | -36.91 | 32.30  | 3    | Horizontal | 0       | 1.33   | -       | -15.21 | 27.82 | 4.48 | -    |
| PK   | 2.39G   | 56.73    | 74.00    | -17.27 | 31.86  | 3    | Horizontal | 0       | 1.33   | -       | 24.87  | 27.38 | 4.48 | -    |
| PK   | 2.4394G | 87.25    | Inf      | -Inf   | 32.04  | 3    | Horizontal | 0       | 1.33   | -       | 55.21  | 27.56 | 4.48 | -    |
| PK   | 2.4872G | 59.10    | 74.00    | -14.90 | 32.30  | 3    | Horizontal | 0       | 1.33   | -       | 26.80  | 27.82 | 4.48 | -    |

## BT-LE(2Mbps)

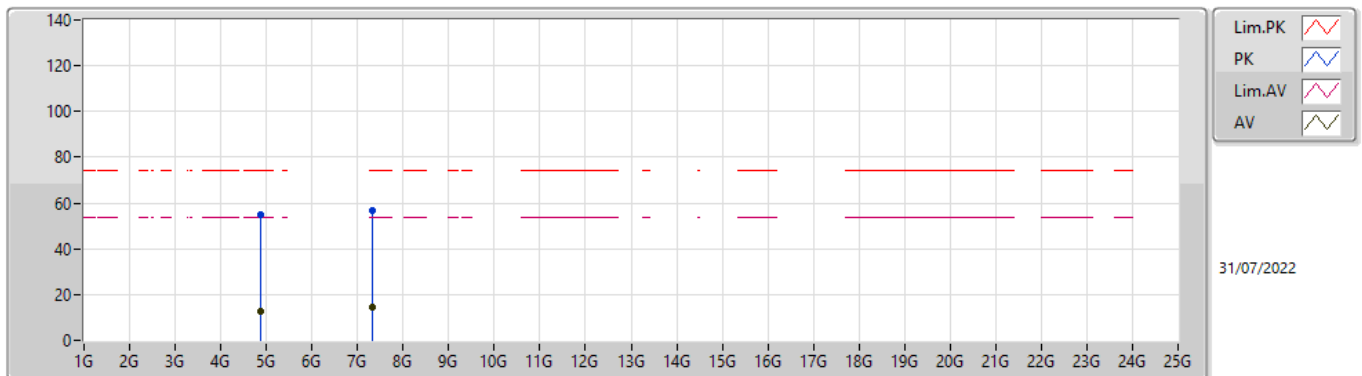
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.88099G     | 18.14             | 54.00             | -35.86         | 5.38           | 3           | Vertical  | 319            | 2.90          | -       | 12.76         | 32.76      | 6.90       | 34.28      |
| AV   | 7.31851G     | 20.35             | 54.00             | -33.65         | 10.51          | 3           | Vertical  | 269            | 1.00          | -       | 9.84          | 36.77      | 8.54       | 34.80      |
| PK   | 4.88099G     | 60.15             | 74.00             | -13.85         | 5.38           | 3           | Vertical  | 319            | 2.90          | -       | 54.77         | 32.76      | 6.90       | 34.28      |
| PK   | 7.31851G     | 62.36             | 74.00             | -11.64         | 10.51          | 3           | Vertical  | 269            | 1.00          | -       | 51.85         | 36.77      | 8.54       | 34.80      |

## BT-LE(2Mbps)

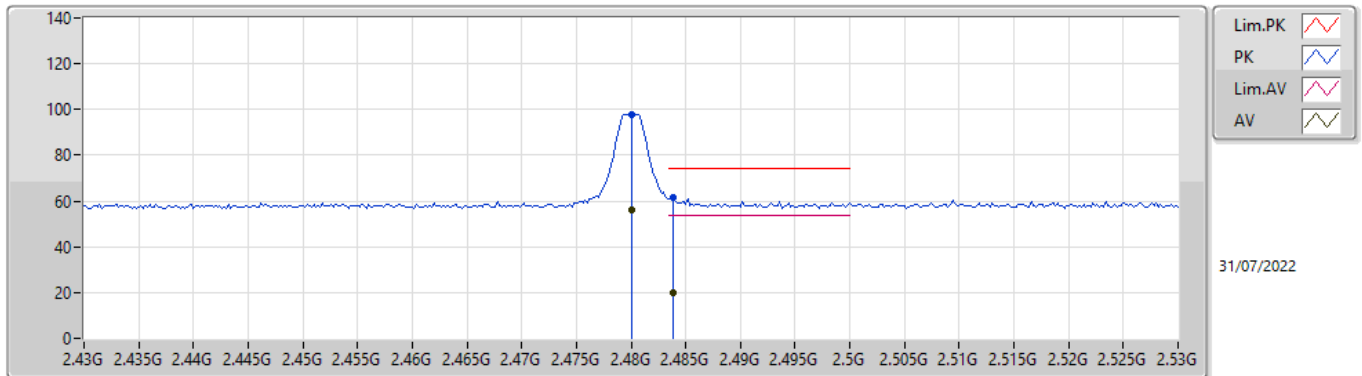
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.87988G     | 12.72             | 54.00             | -41.28         | 5.38           | 3           | Horizontal | 81             | 1.03          | -       | 7.34          | 32.76      | 6.90       | 34.28      |
| AV   | 7.31988G     | 14.76             | 54.00             | -39.24         | 10.52          | 3           | Horizontal | 0              | 1.80          | -       | 4.24          | 36.78      | 8.54       | 34.80      |
| PK   | 4.87988G     | 54.73             | 74.00             | -19.27         | 5.38           | 3           | Horizontal | 81             | 1.03          | -       | 49.35         | 32.76      | 6.90       | 34.28      |
| PK   | 7.31988G     | 56.77             | 74.00             | -17.23         | 10.52          | 3           | Horizontal | 0              | 1.80          | -       | 46.25         | 36.78      | 8.54       | 34.80      |

## BT-LE(2Mbps)

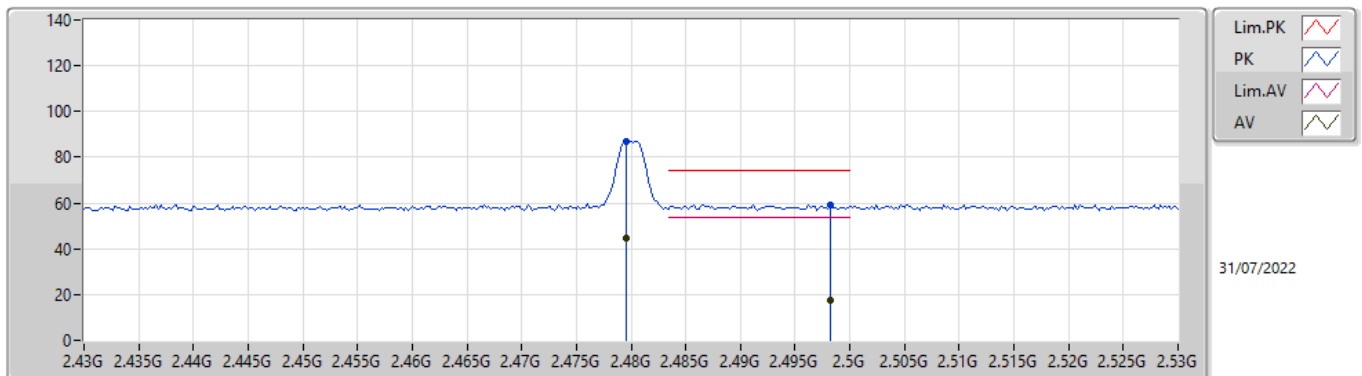
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.48G        | 55.83             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 99             | 1.11          | -       | 23.57         | 27.78      | 4.48       | -          |
| AV   | 2.4838G      | 19.66             | 54.00             | -34.34         | 32.28          | 3           | Vertical  | 99             | 1.11          | -       | -12.62        | 27.80      | 4.48       | -          |
| PK   | 2.48G        | 97.84             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 99             | 1.11          | -       | 65.58         | 27.78      | 4.48       | -          |
| PK   | 2.4838G      | 61.67             | 74.00             | -12.33         | 32.28          | 3           | Vertical  | 99             | 1.11          | -       | 29.39         | 27.80      | 4.48       | -          |

## BT-LE(2Mbps)

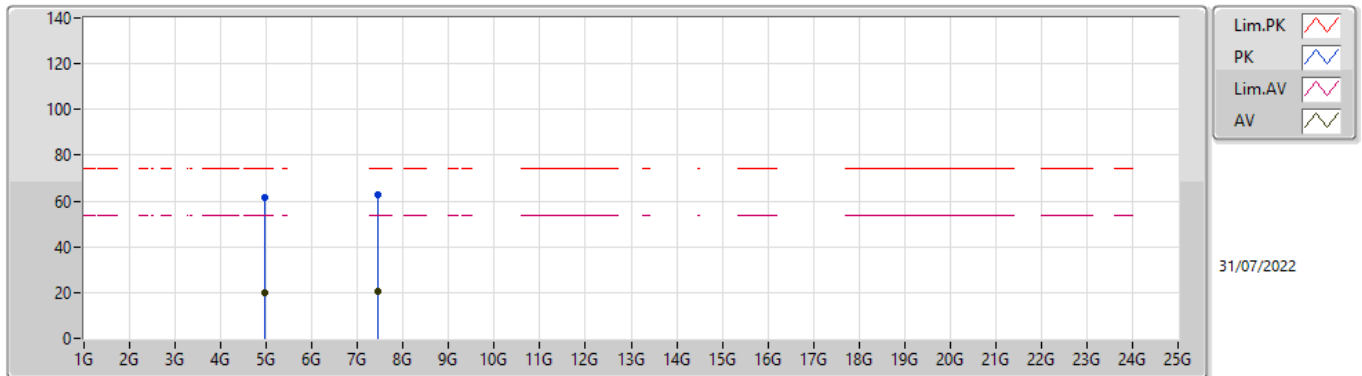
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4796G      | 44.78             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 0              | 2.78          | -       | 12.52         | 27.78      | 4.48       | -          |
| AV   | 2.4982G      | 17.26             | 54.00             | -36.74         | 32.37          | 3           | Horizontal | 0              | 2.78          | -       | -15.11        | 27.89      | 4.48       | -          |
| PK   | 2.4796G      | 86.79             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 0              | 2.78          | -       | 54.53         | 27.78      | 4.48       | -          |
| PK   | 2.4982G      | 59.32             | 74.00             | -14.68         | 32.37          | 3           | Horizontal | 0              | 2.78          | -       | 26.95         | 27.89      | 4.48       | -          |

## BT-LE(2Mbps)

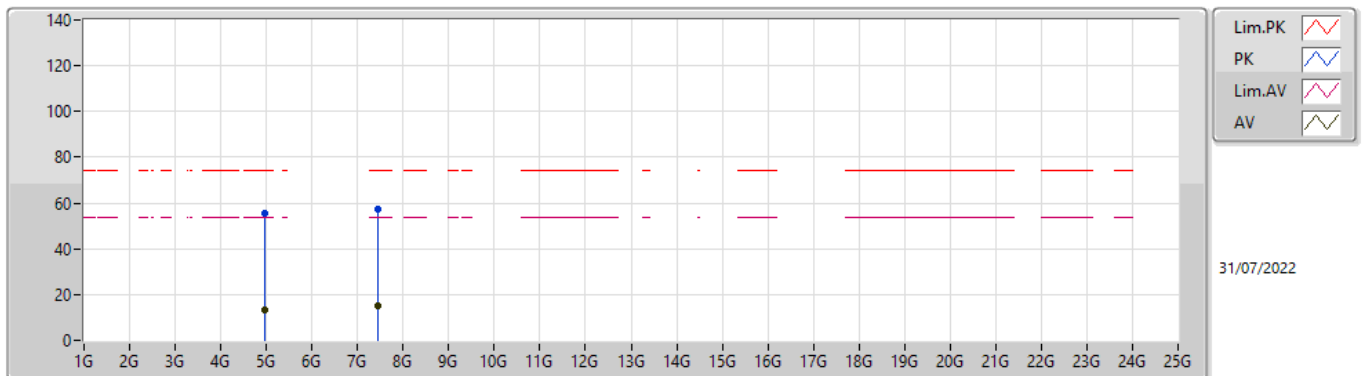
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.95992G     | 19.83             | 54.00             | -34.17         | 5.78           | 3           | Vertical  | 292            | 2.98          | -       | 14.05         | 33.14      | 6.91       | 34.27      |
| AV   | 7.44161G     | 20.57             | 54.00             | -33.43         | 10.43          | 3           | Vertical  | 265            | 1.14          | -       | 10.14         | 36.60      | 8.65       | 34.82      |
| PK   | 4.95992G     | 61.84             | 74.00             | -12.16         | 5.78           | 3           | Vertical  | 292            | 2.98          | -       | 56.06         | 33.14      | 6.91       | 34.27      |
| PK   | 7.44161G     | 62.58             | 74.00             | -11.42         | 10.43          | 3           | Vertical  | 265            | 1.14          | -       | 52.15         | 36.60      | 8.65       | 34.82      |

## BT-LE(2Mbps)

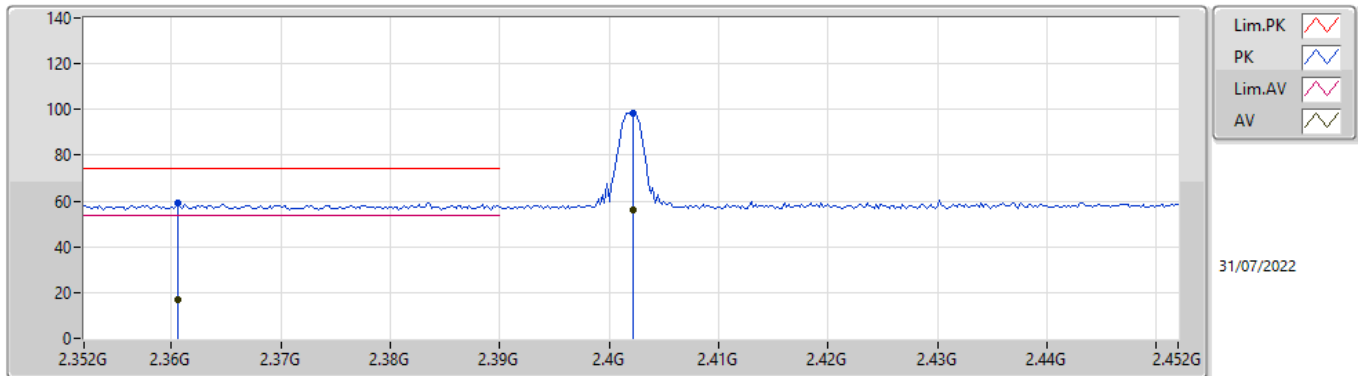
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.96007G     | 13.31             | 54.00             | -40.69         | 5.78           | 3           | Horizontal | 305            | 1.10          | -       | 7.53          | 33.14      | 6.91       | 34.27      |
| AV   | 7.43996G     | 15.35             | 54.00             | -38.65         | 10.43          | 3           | Horizontal | 158            | 1.34          | -       | 4.92          | 36.60      | 8.65       | 34.82      |
| PK   | 4.96007G     | 55.32             | 74.00             | -18.68         | 5.78           | 3           | Horizontal | 305            | 1.10          | -       | 49.54         | 33.14      | 6.91       | 34.27      |
| PK   | 7.43996G     | 57.36             | 74.00             | -16.64         | 10.43          | 3           | Horizontal | 158            | 1.34          | -       | 46.93         | 36.60      | 8.65       | 34.82      |

## BT-LE(125kbps)

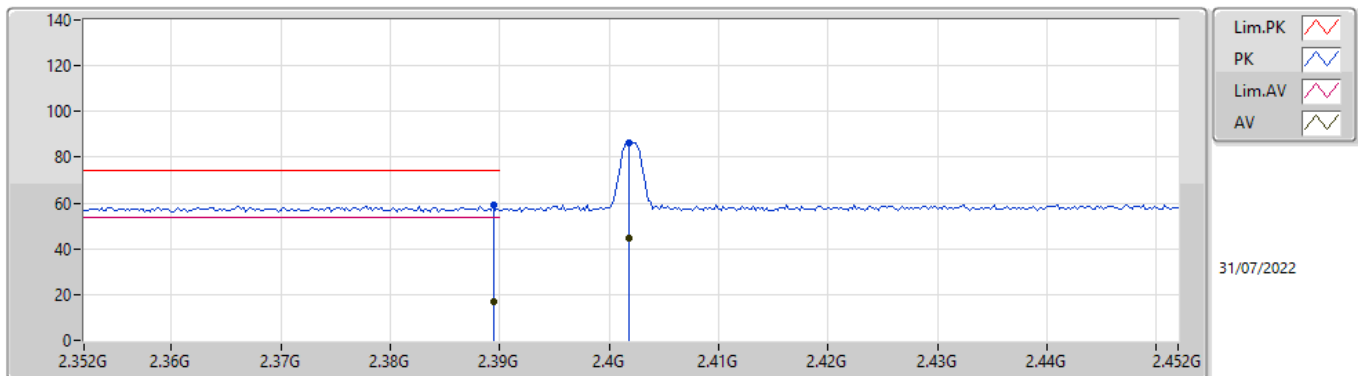
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3606G      | 16.93             | 54.00             | -37.07         | 31.81          | 3           | Vertical  | 118            | 1.00          | -       | -14.88        | 27.32      | 4.49       | -          |
| AV   | 2.4022G      | 56.18             | Inf               | -15.06         | 31.88          | 3           | Vertical  | 118            | 1.00          | -       | 24.30         | 27.41      | 4.47       | -          |
| PK   | 2.3606G      | 58.94             | 74.00             | -15.06         | 31.81          | 3           | Vertical  | 118            | 1.00          | -       | 27.13         | 27.32      | 4.49       | -          |
| PK   | 2.4022G      | 98.19             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 118            | 1.00          | -       | 66.31         | 27.41      | 4.47       | -          |

## BT-LE(125kbps)

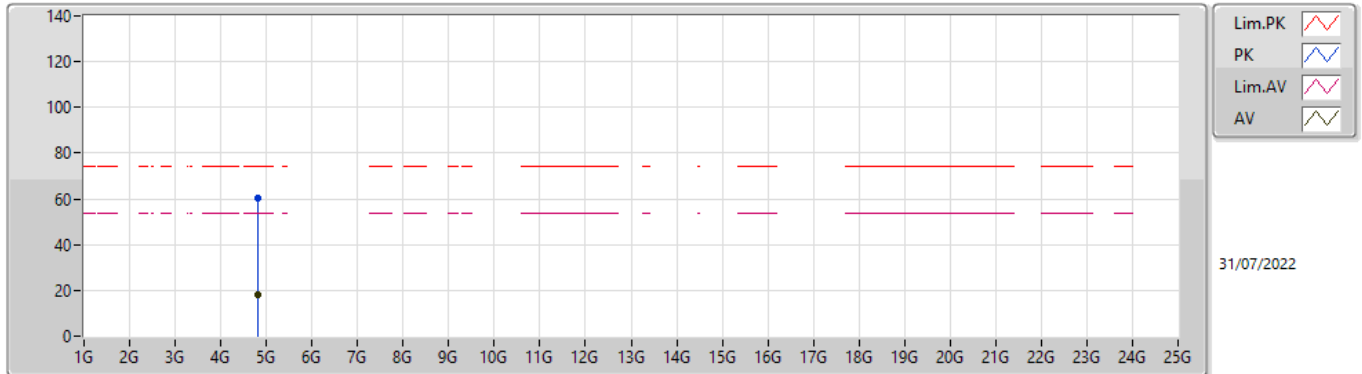
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3894G      | 16.94             | 54.00             | -37.06         | 31.86          | 3           | Horizontal | 0              | 2.60          | -       | -14.92        | 27.38      | 4.48       | -          |
| AV   | 2.4018G      | 44.42             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 2.60          | -       | 12.54         | 27.41      | 4.47       | -          |
| PK   | 2.3894G      | 58.95             | 74.00             | -15.05         | 31.86          | 3           | Horizontal | 0              | 2.60          | -       | 27.09         | 27.38      | 4.48       | -          |
| PK   | 2.4018G      | 86.43             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 2.60          | -       | 54.55         | 27.41      | 4.47       | -          |

# BT-LE(125kbps)

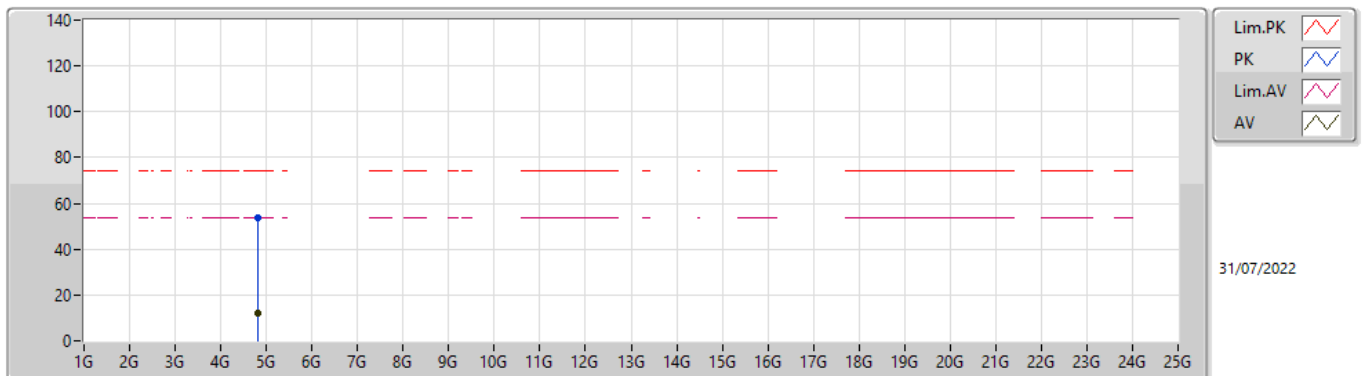
## 2402MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.80448G | 18.08    | 54.00    | -35.92 | 4.49   | 3    | Vertical  | 0       | 1.01   | -       | 13.59  | 32.52 | 6.26 | 34.29 |
| PK   | 4.80448G | 60.09    | 74.00    | -13.91 | 4.49   | 3    | Vertical  | 0       | 1.01   | -       | 55.60  | 32.52 | 6.26 | 34.29 |

# BT-LE(125kbps)

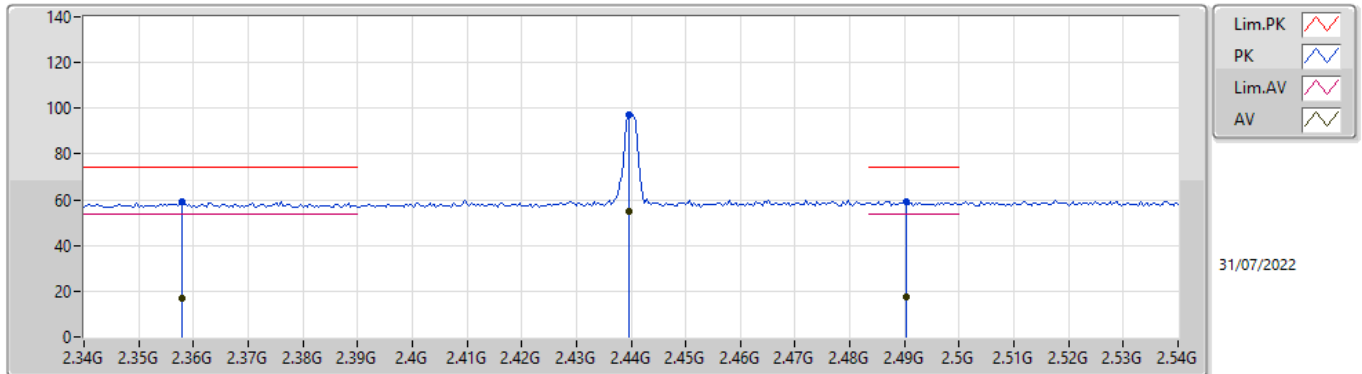
## 2402MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.80358G | 11.82    | 54.00    | -42.18 | 4.48   | 3    | Horizontal | 73      | 1.08   | -       | 7.34   | 32.51 | 6.26 | 34.29 |
| PK   | 4.80358G | 53.83    | 74.00    | -20.17 | 4.48   | 3    | Horizontal | 73      | 1.08   | -       | 49.35  | 32.51 | 6.26 | 34.29 |

## BT-LE(125kbps)

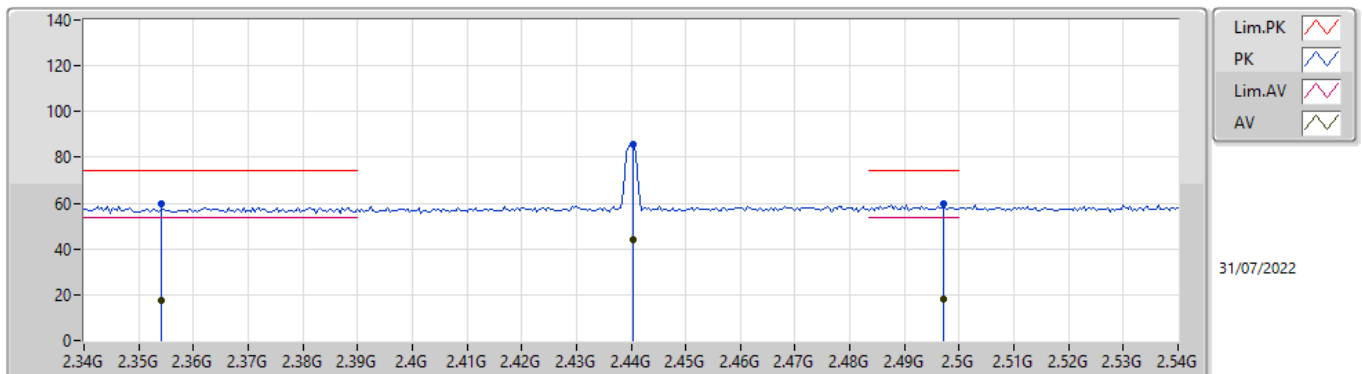
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.358G       | 16.96             | 54.00             | -37.04         | 31.82          | 3           | Vertical  | 88             | 1.22          | -       | -14.86        | 27.32      | 4.50       | -          |
| AV   | 2.4396G      | 55.20             | Inf               | -Inf           | 32.04          | 3           | Vertical  | 88             | 1.22          | -       | 23.16         | 27.56      | 4.48       | -          |
| AV   | 2.4904G      | 17.23             | 54.00             | -36.77         | 32.32          | 3           | Vertical  | 88             | 1.22          | -       | -15.09        | 27.84      | 4.48       | -          |
| PK   | 2.358G       | 58.97             | 74.00             | -15.03         | 31.82          | 3           | Vertical  | 88             | 1.22          | -       | 27.15         | 27.32      | 4.50       | -          |
| PK   | 2.4396G      | 97.21             | Inf               | -Inf           | 32.04          | 3           | Vertical  | 88             | 1.22          | -       | 65.17         | 27.56      | 4.48       | -          |
| PK   | 2.4904G      | 59.24             | 74.00             | -14.76         | 32.32          | 3           | Vertical  | 88             | 1.22          | -       | 26.92         | 27.84      | 4.48       | -          |

## BT-LE(125kbps)

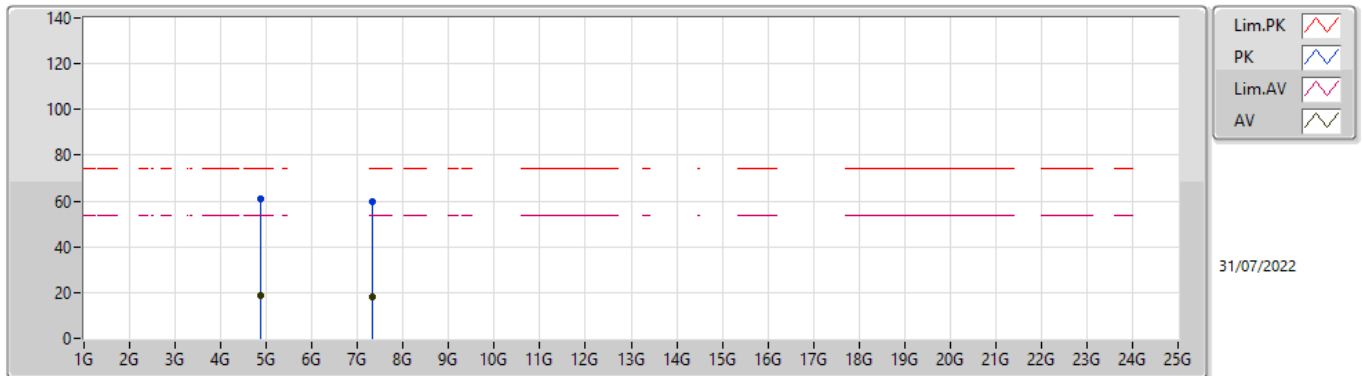
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.354G       | 17.45             | 54.00             | -36.55         | 31.81          | 3           | Horizontal | 357            | 1.53          | -       | -14.36        | 27.31      | 4.50       | -          |
| AV   | 2.4404G      | 43.80             | Inf               | -Inf           | 32.04          | 3           | Horizontal | 357            | 1.53          | -       | 11.76         | 27.56      | 4.48       | -          |
| AV   | 2.4972G      | 17.88             | 54.00             | -36.12         | 32.36          | 3           | Horizontal | 357            | 1.53          | -       | -14.48        | 27.88      | 4.48       | -          |
| PK   | 2.354G       | 59.46             | 74.00             | -14.54         | 31.81          | 3           | Horizontal | 357            | 1.53          | -       | 27.65         | 27.31      | 4.50       | -          |
| PK   | 2.4404G      | 85.81             | Inf               | -Inf           | 32.04          | 3           | Horizontal | 357            | 1.53          | -       | 53.77         | 27.56      | 4.48       | -          |
| PK   | 2.4972G      | 59.89             | 74.00             | -14.11         | 32.36          | 3           | Horizontal | 357            | 1.53          | -       | 27.53         | 27.88      | 4.48       | -          |

## BT-LE(125kbps)

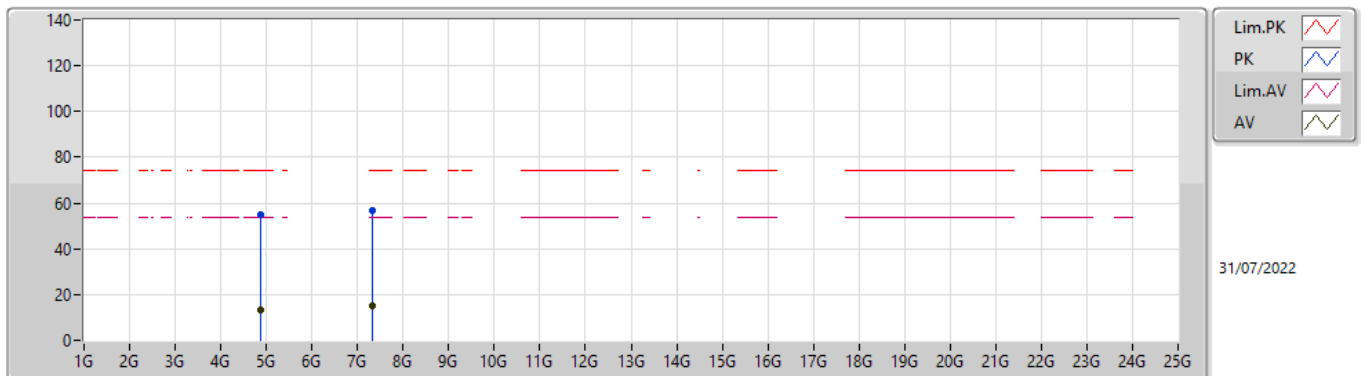
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.88057G     | 18.72             | 54.00             | -35.28         | 5.38           | 3           | Vertical  | 319            | 2.98          | -       | 13.34         | 32.76      | 6.90       | 34.28      |
| AV   | 7.31922G     | 17.96             | 54.00             | -36.04         | 10.52          | 3           | Vertical  | 249            | 2.54          | -       | 7.44          | 36.78      | 8.54       | 34.80      |
| PK   | 4.88057G     | 60.73             | 74.00             | -13.27         | 5.38           | 3           | Vertical  | 319            | 2.98          | -       | 55.35         | 32.76      | 6.90       | 34.28      |
| PK   | 7.31922G     | 59.97             | 74.00             | -14.03         | 10.52          | 3           | Vertical  | 249            | 2.54          | -       | 49.45         | 36.78      | 8.54       | 34.80      |

## BT-LE(125kbps)

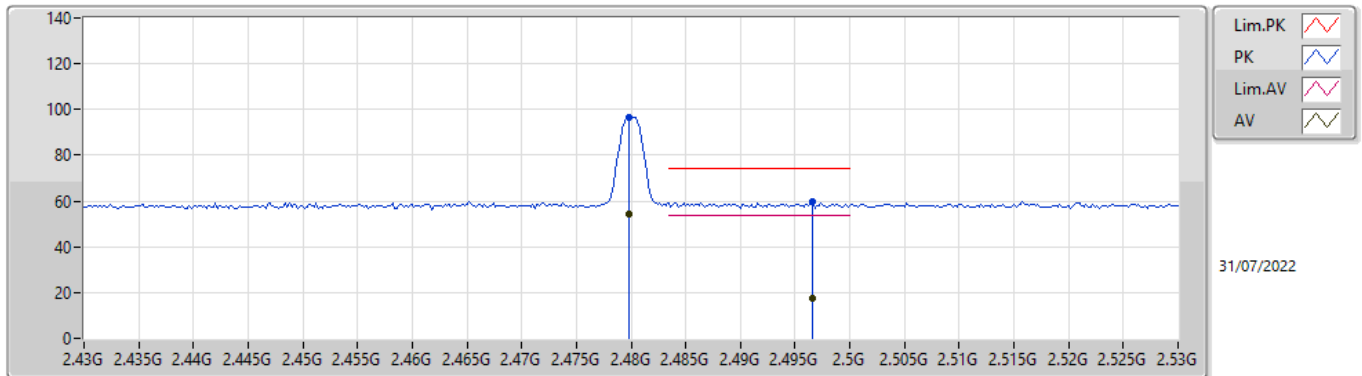
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.87958G     | 13.09             | 54.00             | -40.91         | 5.38           | 3           | Horizontal | 67             | 1.19          | -       | 7.71          | 32.76      | 6.90       | 34.28      |
| AV   | 7.32068G     | 14.80             | 54.00             | -39.20         | 10.52          | 3           | Horizontal | 0              | 1.19          | -       | 4.28          | 36.78      | 8.54       | 34.80      |
| PK   | 4.87958G     | 55.10             | 74.00             | -18.90         | 5.38           | 3           | Horizontal | 67             | 1.19          | -       | 49.72         | 32.76      | 6.90       | 34.28      |
| PK   | 7.32068G     | 56.81             | 74.00             | -17.19         | 10.52          | 3           | Horizontal | 0              | 1.19          | -       | 46.29         | 36.78      | 8.54       | 34.80      |

## BT-LE(125kbps)

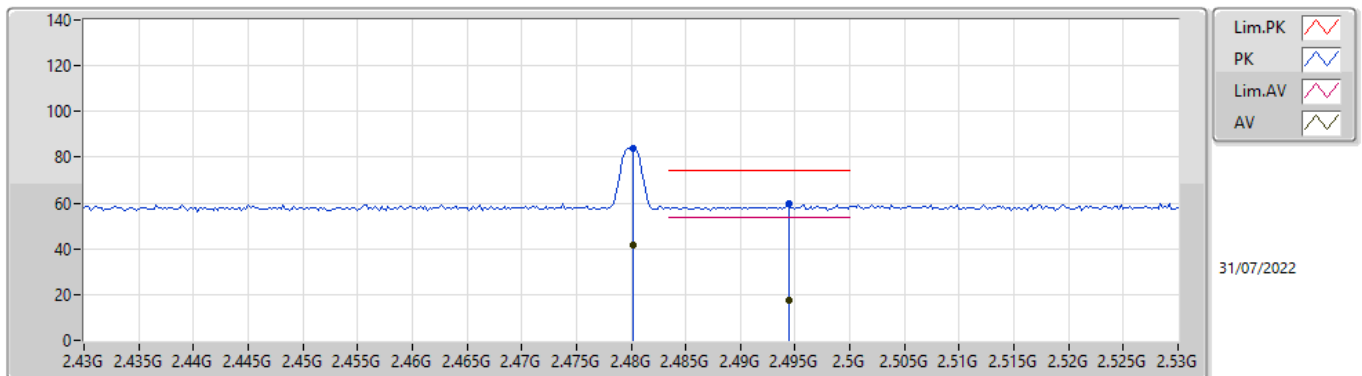
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4798G      | 54.37             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 96             | 1.04          | -       | 22.11         | 27.78      | 4.48       | -          |
| AV   | 2.4966G      | 17.45             | 54.00             | -36.55         | 32.36          | 3           | Vertical  | 96             | 1.04          | -       | -14.91        | 27.88      | 4.48       | -          |
| PK   | 2.4798G      | 96.38             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 96             | 1.04          | -       | 64.12         | 27.78      | 4.48       | -          |
| PK   | 2.4966G      | 59.46             | 74.00             | -14.54         | 32.36          | 3           | Vertical  | 96             | 1.04          | -       | 27.10         | 27.88      | 4.48       | -          |

## BT-LE(125kbps)

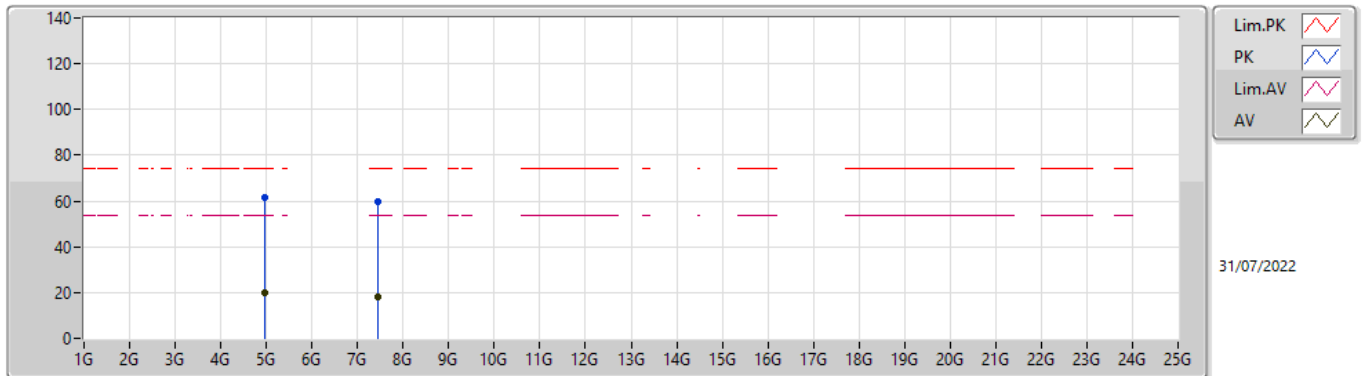
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4802G      | 41.72             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 3              | 1.53          | -       | 9.46          | 27.78      | 4.48       | -          |
| AV   | 2.4944G      | 17.63             | 54.00             | -36.37         | 32.35          | 3           | Horizontal | 3              | 1.53          | -       | -14.72        | 27.87      | 4.48       | -          |
| PK   | 2.4802G      | 83.73             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 3              | 1.53          | -       | 51.47         | 27.78      | 4.48       | -          |
| PK   | 2.4944G      | 59.64             | 74.00             | -14.36         | 32.35          | 3           | Horizontal | 3              | 1.53          | -       | 27.29         | 27.87      | 4.48       | -          |

## BT-LE(125kbps)

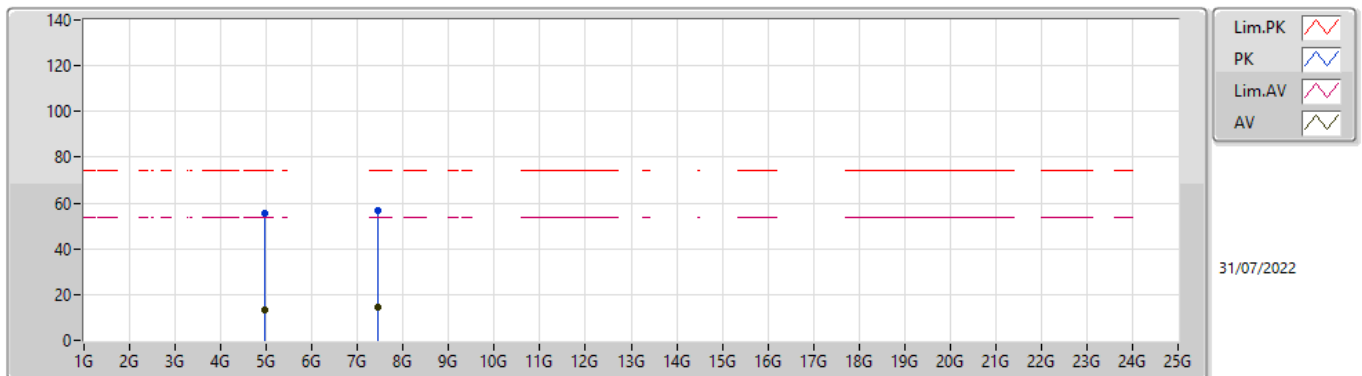
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.96002G     | 19.75             | 54.00             | -34.25         | 5.78           | 3           | Vertical  | 287            | 2.96          | -       | 13.97         | 33.14      | 6.91       | 34.27      |
| AV   | 7.44068G     | 17.97             | 54.00             | -36.03         | 10.43          | 3           | Vertical  | 260            | 2.88          | -       | 7.54          | 36.60      | 8.65       | 34.82      |
| PK   | 4.96002G     | 61.76             | 74.00             | -12.24         | 5.78           | 3           | Vertical  | 287            | 2.96          | -       | 55.98         | 33.14      | 6.91       | 34.27      |
| PK   | 7.44068G     | 59.98             | 74.00             | -14.02         | 10.43          | 3           | Vertical  | 260            | 2.88          | -       | 49.55         | 36.60      | 8.65       | 34.82      |

## BT-LE(125kbps)

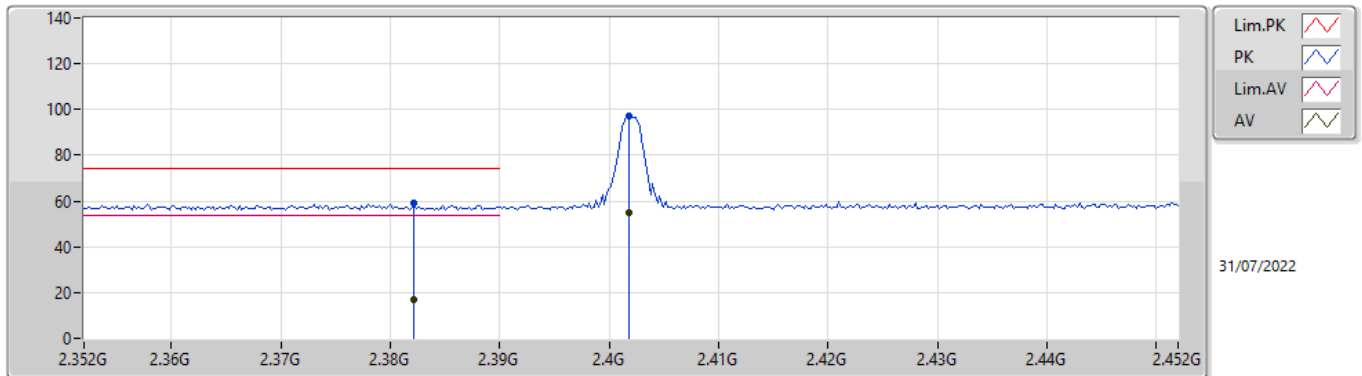
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.95942G     | 13.47             | 54.00             | -40.53         | 5.78           | 3           | Horizontal | 167            | 3.00          | -       | 7.69          | 33.14      | 6.91       | 34.27      |
| AV   | 7.44071G     | 14.67             | 54.00             | -39.33         | 10.43          | 3           | Horizontal | 35             | 1.13          | -       | 4.24          | 36.60      | 8.65       | 34.82      |
| PK   | 4.95942G     | 55.48             | 74.00             | -18.52         | 5.78           | 3           | Horizontal | 167            | 3.00          | -       | 49.70         | 33.14      | 6.91       | 34.27      |
| PK   | 7.44071G     | 56.68             | 74.00             | -17.32         | 10.43          | 3           | Horizontal | 35             | 1.13          | -       | 46.25         | 36.60      | 8.65       | 34.82      |

## BT-LE(500kbps)

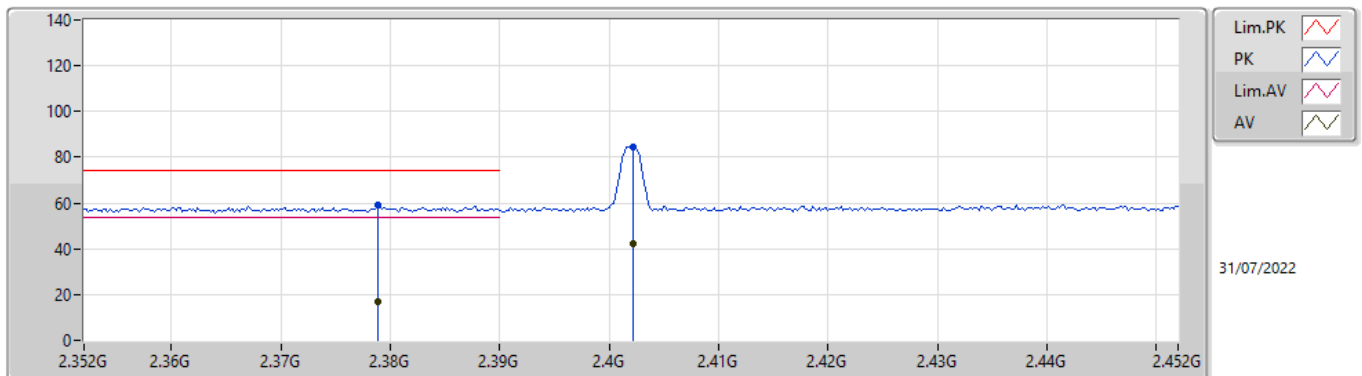
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3822G      | 16.97             | 54.00             | -37.03         | 31.84          | 3           | Vertical  | 118            | 1.01          | -       | -14.87        | 27.36      | 4.48       | -          |
| AV   | 2.4018G      | 54.89             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 118            | 1.01          | -       | 23.01         | 27.41      | 4.47       | -          |
| PK   | 2.3822G      | 58.98             | 74.00             | -15.02         | 31.84          | 3           | Vertical  | 118            | 1.01          | -       | 27.14         | 27.36      | 4.48       | -          |
| PK   | 2.4018G      | 96.90             | Inf               | -Inf           | 31.88          | 3           | Vertical  | 118            | 1.01          | -       | 65.02         | 27.41      | 4.47       | -          |

## BT-LE(500kbps)

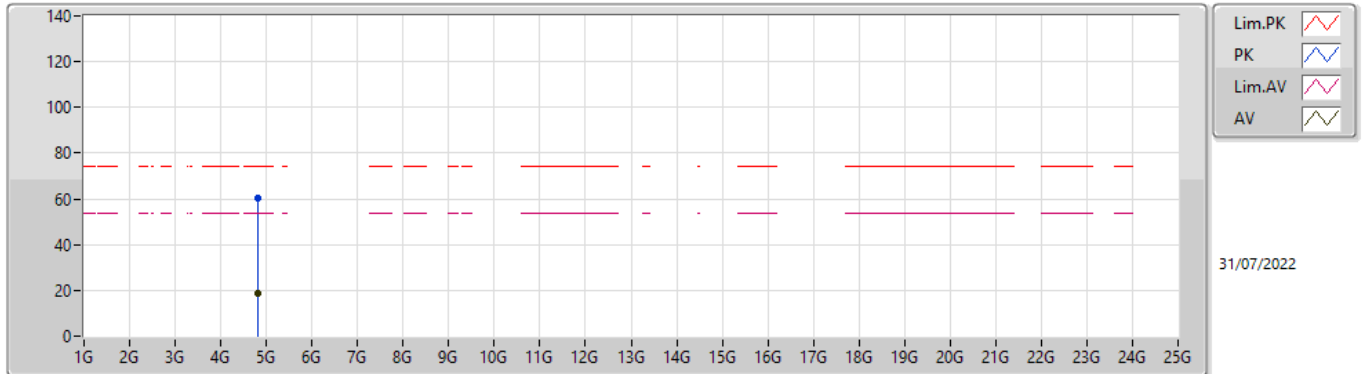
### 2402MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.3788G      | 17.15             | 54.00             | -36.85         | 31.84          | 3           | Horizontal | 0              | 1.34          | -       | -14.69        | 27.36      | 4.48       | -          |
| AV   | 2.4022G      | 42.45             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 1.34          | -       | 10.57         | 27.41      | 4.47       | -          |
| PK   | 2.3788G      | 59.16             | 74.00             | -14.84         | 31.84          | 3           | Horizontal | 0              | 1.34          | -       | 27.32         | 27.36      | 4.48       | -          |
| PK   | 2.4022G      | 84.46             | Inf               | -Inf           | 31.88          | 3           | Horizontal | 0              | 1.34          | -       | 52.58         | 27.41      | 4.47       | -          |

# BT-LE(500kbps)

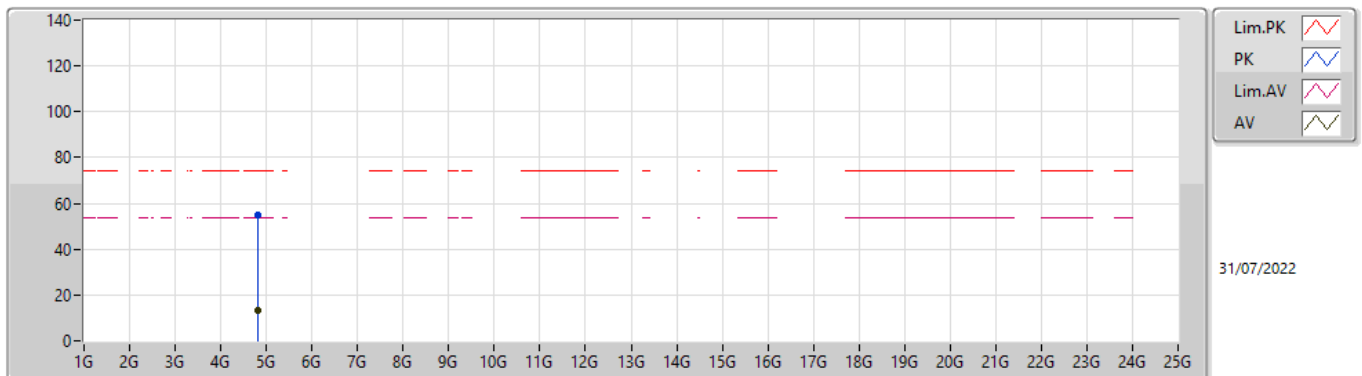
## 2402MHz\_TX



| Type | Freq     | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|----------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)     | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.80452G | 18.50    | 54.00    | -35.50 | 5.13   | 3    | Vertical  | 67      | 1.00   | -       | 13.37  | 32.52 | 6.90 | 34.29 |
| PK   | 4.80452G | 60.51    | 74.00    | -13.49 | 5.13   | 3    | Vertical  | 67      | 1.00   | -       | 55.38  | 32.52 | 6.90 | 34.29 |

# BT-LE(500kbps)

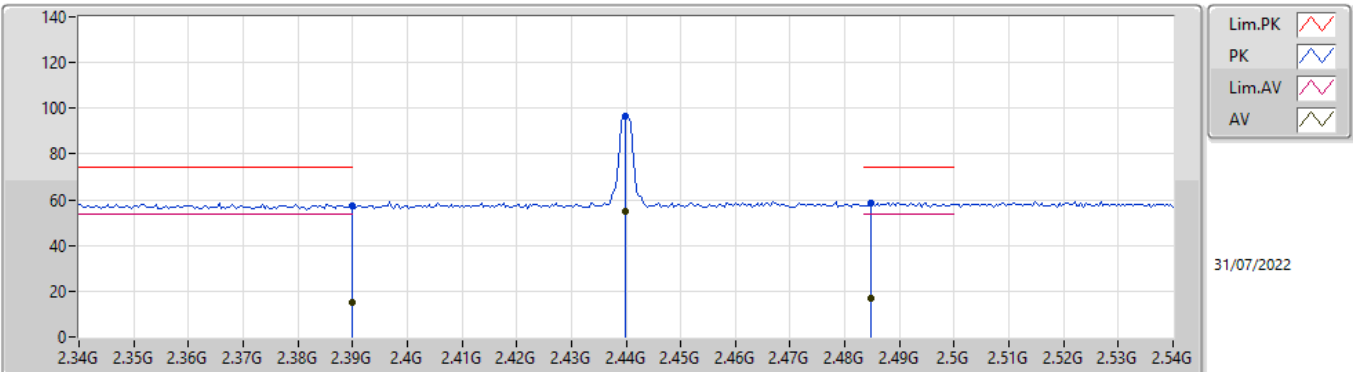
## 2402MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA    |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|-------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB)  |
| AV   | 4.8044G | 13.13    | 54.00    | -40.87 | 5.13   | 3    | Horizontal | 68      | 1.10   | -       | 8.00   | 32.52 | 6.90 | 34.29 |
| PK   | 4.8044G | 55.14    | 74.00    | -18.86 | 5.13   | 3    | Horizontal | 68      | 1.10   | -       | 50.01  | 32.52 | 6.90 | 34.29 |

## BT-LE(500kbps)

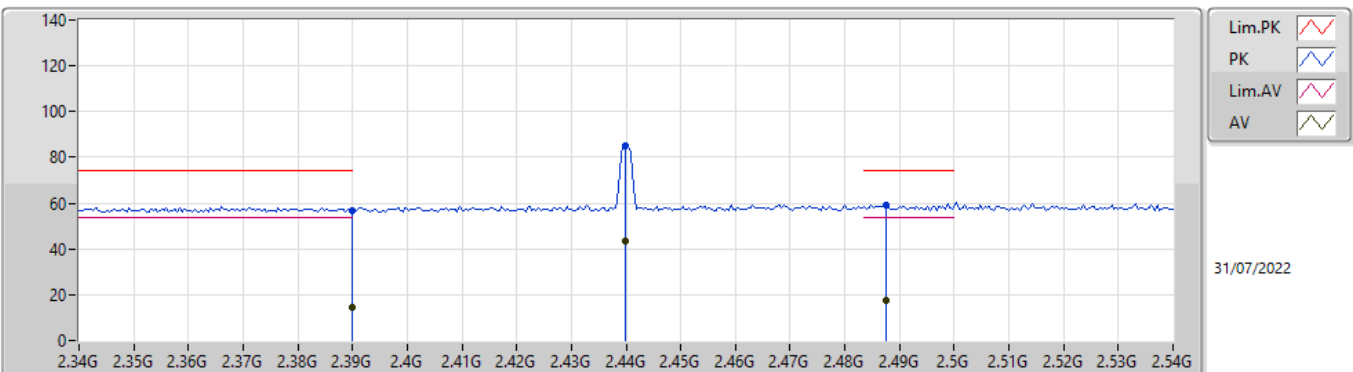
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|-----------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |           | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 15.19    | 54.00    | -38.81 | 31.86  | 3    | Vertical  | 88      | 1.21   | -       | -16.67 | 27.38 | 4.48 | -    |
| AV   | 2.4398G | 54.79    | Inf      | -Inf   | 32.04  | 3    | Vertical  | 88      | 1.21   | -       | 22.75  | 27.56 | 4.48 | -    |
| AV   | 2.4848G | 16.81    | 54.00    | -37.19 | 32.29  | 3    | Vertical  | 88      | 1.21   | -       | -15.48 | 27.81 | 4.48 | -    |
| PK   | 2.39G   | 57.20    | 74.00    | -16.80 | 31.86  | 3    | Vertical  | 88      | 1.21   | -       | 25.34  | 27.38 | 4.48 | -    |
| PK   | 2.4398G | 96.80    | Inf      | -Inf   | 32.04  | 3    | Vertical  | 88      | 1.21   | -       | 64.76  | 27.56 | 4.48 | -    |
| PK   | 2.4848G | 58.82    | 74.00    | -15.18 | 32.29  | 3    | Vertical  | 88      | 1.21   | -       | 26.53  | 27.81 | 4.48 | -    |

## BT-LE(500kbps)

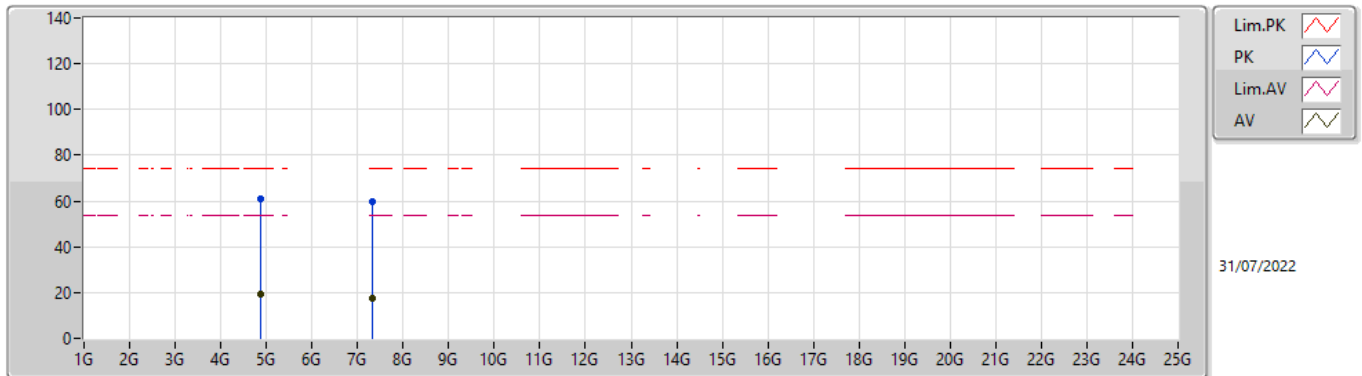
### 2440MHz\_TX



| Type | Freq    | Level    | Limit    | Margin | Factor | Dist | Condition  | Azimuth | Height | Comment | Raw    | AF    | CL   | PA   |
|------|---------|----------|----------|--------|--------|------|------------|---------|--------|---------|--------|-------|------|------|
|      | (Hz)    | (dBuV/m) | (dBuV/m) | (dB)   | (dB)   | (m)  |            | (°)     | (m)    |         | (dBuV) | (dB)  | (dB) | (dB) |
| AV   | 2.39G   | 14.64    | 54.00    | -39.36 | 31.86  | 3    | Horizontal | 0       | 1.32   | -       | -17.22 | 27.38 | 4.48 | -    |
| AV   | 2.4398G | 43.29    | Inf      | -Inf   | 32.04  | 3    | Horizontal | 0       | 1.32   | -       | 11.25  | 27.56 | 4.48 | -    |
| AV   | 2.4876G | 17.23    | 54.00    | -36.77 | 32.31  | 3    | Horizontal | 0       | 1.32   | -       | -15.08 | 27.83 | 4.48 | -    |
| PK   | 2.39G   | 56.65    | 74.00    | -17.35 | 31.86  | 3    | Horizontal | 0       | 1.32   | -       | 24.79  | 27.38 | 4.48 | -    |
| PK   | 2.4398G | 85.30    | Inf      | -Inf   | 32.04  | 3    | Horizontal | 0       | 1.32   | -       | 53.26  | 27.56 | 4.48 | -    |
| PK   | 2.4876G | 59.24    | 74.00    | -14.76 | 32.31  | 3    | Horizontal | 0       | 1.32   | -       | 26.93  | 27.83 | 4.48 | -    |

## BT-LE(500kbps)

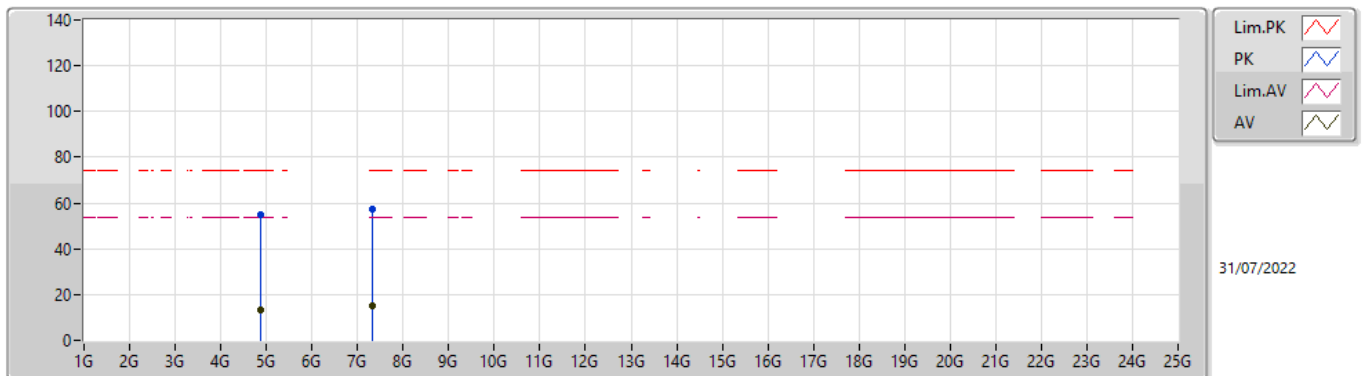
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.88055G     | 19.02             | 54.00             | -34.98         | 5.38           | 3           | Vertical  | 320            | 2.97          | -       | 13.64         | 32.76      | 6.90       | 34.28      |
| AV   | 7.32076G     | 17.48             | 54.00             | -36.52         | 10.52          | 3           | Vertical  | 259            | 2.97          | -       | 6.96          | 36.78      | 8.54       | 34.80      |
| PK   | 4.88055G     | 61.03             | 74.00             | -12.97         | 5.38           | 3           | Vertical  | 320            | 2.97          | -       | 55.65         | 32.76      | 6.90       | 34.28      |
| PK   | 7.32076G     | 59.49             | 74.00             | -14.51         | 10.52          | 3           | Vertical  | 259            | 2.97          | -       | 48.97         | 36.78      | 8.54       | 34.80      |

## BT-LE(500kbps)

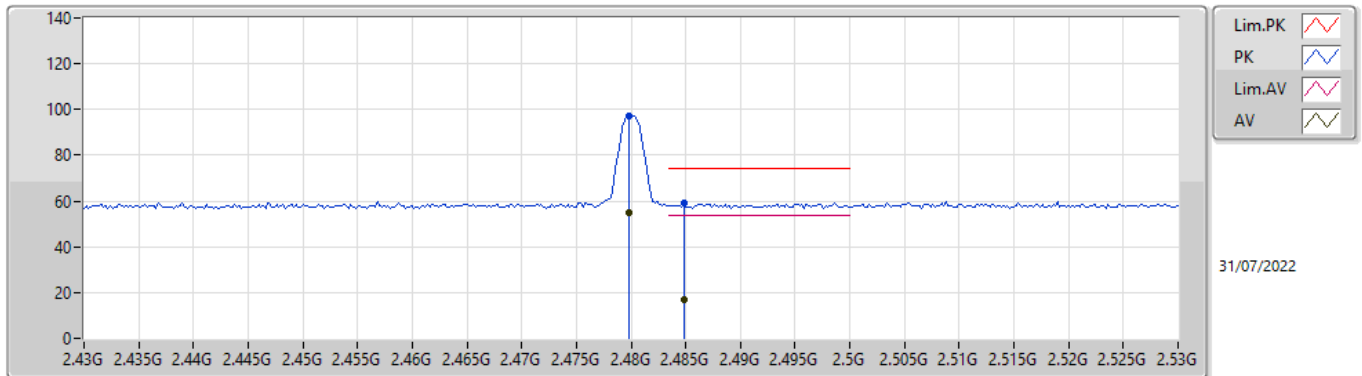
### 2440MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.87962G     | 13.09             | 54.00             | -40.91         | 5.38           | 3           | Horizontal | 68             | 1.03          | -       | 7.71          | 32.76      | 6.90       | 34.28      |
| AV   | 7.31927G     | 15.05             | 54.00             | -38.95         | 10.52          | 3           | Horizontal | 246            | 1.19          | -       | 4.53          | 36.78      | 8.54       | 34.80      |
| PK   | 4.87962G     | 55.10             | 74.00             | -18.90         | 5.38           | 3           | Horizontal | 68             | 1.03          | -       | 49.72         | 32.76      | 6.90       | 34.28      |
| PK   | 7.31927G     | 57.06             | 74.00             | -16.94         | 10.52          | 3           | Horizontal | 246            | 1.19          | -       | 46.54         | 36.78      | 8.54       | 34.80      |

## BT-LE(500kbps)

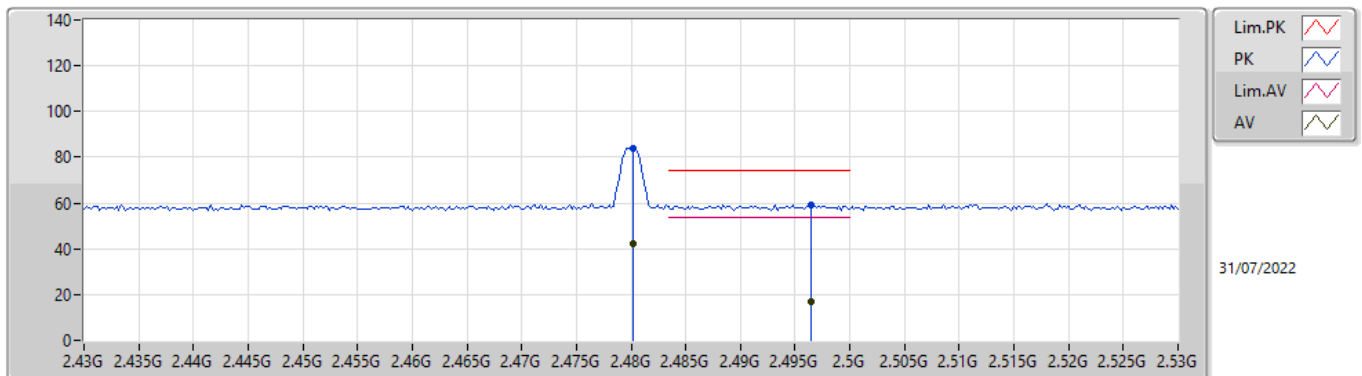
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4798G      | 54.89             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 96             | 1.04          | -       | 22.63         | 27.78      | 4.48       | -          |
| AV   | 2.4848G      | 17.02             | 54.00             | -36.98         | 32.29          | 3           | Vertical  | 96             | 1.04          | -       | -15.27        | 27.81      | 4.48       | -          |
| PK   | 2.4798G      | 96.90             | Inf               | -Inf           | 32.26          | 3           | Vertical  | 96             | 1.04          | -       | 64.64         | 27.78      | 4.48       | -          |
| PK   | 2.4848G      | 59.03             | 74.00             | -14.97         | 32.29          | 3           | Vertical  | 96             | 1.04          | -       | 26.74         | 27.81      | 4.48       | -          |

## BT-LE(500kbps)

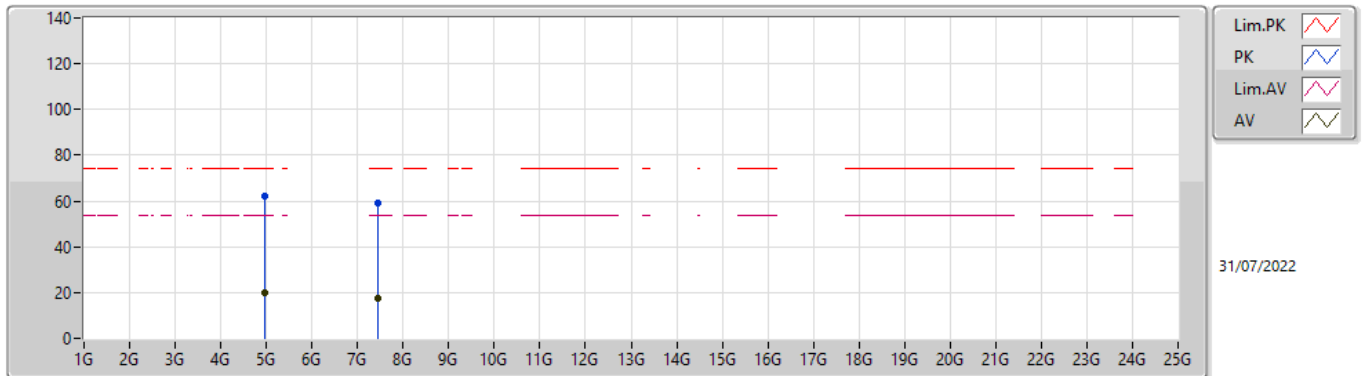
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 2.4802G      | 41.96             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 1              | 1.54          | -       | 9.70          | 27.78      | 4.48       | -          |
| AV   | 2.4964G      | 17.19             | 54.00             | -36.81         | 32.36          | 3           | Horizontal | 1              | 1.54          | -       | -15.17        | 27.88      | 4.48       | -          |
| PK   | 2.4802G      | 83.97             | Inf               | -Inf           | 32.26          | 3           | Horizontal | 1              | 1.54          | -       | 51.71         | 27.78      | 4.48       | -          |
| PK   | 2.4964G      | 59.20             | 74.00             | -14.80         | 32.36          | 3           | Horizontal | 1              | 1.54          | -       | 26.84         | 27.88      | 4.48       | -          |

## BT-LE(500kbps)

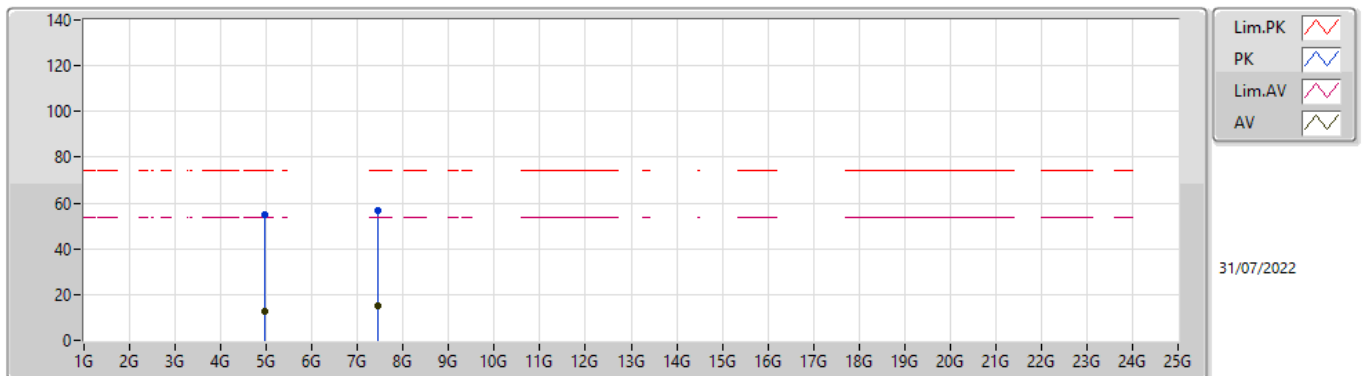
### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|-----------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.96051G     | 20.15             | 54.00             | -33.85         | 5.78           | 3           | Vertical  | 283            | 2.97          | -       | 14.37         | 33.14      | 6.91       | 34.27      |
| AV   | 7.43938G     | 17.32             | 54.00             | -36.68         | 10.43          | 3           | Vertical  | 247            | 2.78          | -       | 6.89          | 36.60      | 8.65       | 34.82      |
| PK   | 4.96051G     | 62.16             | 74.00             | -11.84         | 5.78           | 3           | Vertical  | 283            | 2.97          | -       | 56.38         | 33.14      | 6.91       | 34.27      |
| PK   | 7.43938G     | 59.33             | 74.00             | -14.67         | 10.43          | 3           | Vertical  | 247            | 2.78          | -       | 48.90         | 36.60      | 8.65       | 34.82      |

## BT-LE(500kbps)

### 2480MHz\_TX



| Type | Freq<br>(Hz) | Level<br>(dBuV/m) | Limit<br>(dBuV/m) | Margin<br>(dB) | Factor<br>(dB) | Dist<br>(m) | Condition  | Azimuth<br>(°) | Height<br>(m) | Comment | Raw<br>(dBuV) | AF<br>(dB) | CL<br>(dB) | PA<br>(dB) |
|------|--------------|-------------------|-------------------|----------------|----------------|-------------|------------|----------------|---------------|---------|---------------|------------|------------|------------|
| AV   | 4.96058G     | 12.89             | 54.00             | -41.11         | 5.78           | 3           | Horizontal | 331            | 2.69          | -       | 7.11          | 33.14      | 6.91       | 34.27      |
| AV   | 7.44078G     | 14.84             | 54.00             | -39.16         | 10.43          | 3           | Horizontal | 36             | 1.14          | -       | 4.41          | 36.60      | 8.65       | 34.82      |
| PK   | 4.96058G     | 54.90             | 74.00             | -19.10         | 5.78           | 3           | Horizontal | 331            | 2.69          | -       | 49.12         | 33.14      | 6.91       | 34.27      |
| PK   | 7.44078G     | 56.85             | 74.00             | -17.15         | 10.43          | 3           | Horizontal | 36             | 1.14          | -       | 46.42         | 36.60      | 8.65       | 34.82      |