

# FCC Radio Test Report

**FCC ID** : C3K2029  
**Equipment** : Portable Computing Device  
**Brand Name** : Microsoft  
**Model Name** : 2029  
**Applicant** : Microsoft Corporation  
One Microsoft Way Redmond, WA 98052-6399, U.S.A  
**Manufacturer** : Microsoft Corporation  
One Microsoft Way Redmond, WA 98052-6399, U.S.A  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Jan. 03, 2023, and testing was started from Jan. 12, 2023 and completed on Jun. 05, 2023. 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.



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Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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**APPENDIX G. TEST RESULTS OF RADIATED EMISSION CO-LOCATION**

**PHOTOGRAPHS OF EUT V01**





### Summary of Test Result

Report Clause	Ref.Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and explanations:</b>
None

Reviewed by: Ben Tseng

Report Producer: Michelle Tsai

# 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(2Mbps)	2.0	1TX

Note:

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

### 1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	CNF964-16-000-R	PIFA	I-PEX
2	Amphenol	CNF965-16-000-R	PIFA	I-PEX

Ant.	Port	Gain (dBi)						
		2.4GHz	Bluetooth	5GHz				
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
1(Aux)	1	4.57	4.57	4.83	5.23	5.89	6.02	5.77
2(Main)	2	4.77	-	4.11	5.43	6.16	5.85	5.74

Ant.	Port	Gain (dBi)			
		6GHz			
		U-NII-5	U-NII-6	U-NII-7	U-NII-8
1(Aux)	1	7.02	7.74	7.74	4.59
2(Main)	2	6.92	7.45	7.45	5.10

Note 1: The EUT has two antennas.

Note 2: The transmit signals are completely uncorrelated, the Directional Gain=

$$10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}] \text{ dBi}$$

#### For 2.4GHz function:

For IEEE 802.11 b/g/n/ax mode (1TX/1RX)

Support diversity function and tested on each single chain.

For IEEE 802.11 n/ax mode (2TX/2RX)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.



**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)  
Ant. 1 (port 1) can be used as transmitting/receiving antenna.

**For 5GHz function:**

For IEEE 802.11 a/n/ac/ax mode (1TX/1RX)  
Support diversity function and tested on each single chain.  
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)  
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

**For 6GHz function:**

For IEEE 802.11 ax mode (1TX/1RX)  
Support diversity function and tested on each single chain.  
For IEEE 802.11 ax mode (2TX/2RX)  
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

**1.1.3 EUT Information**

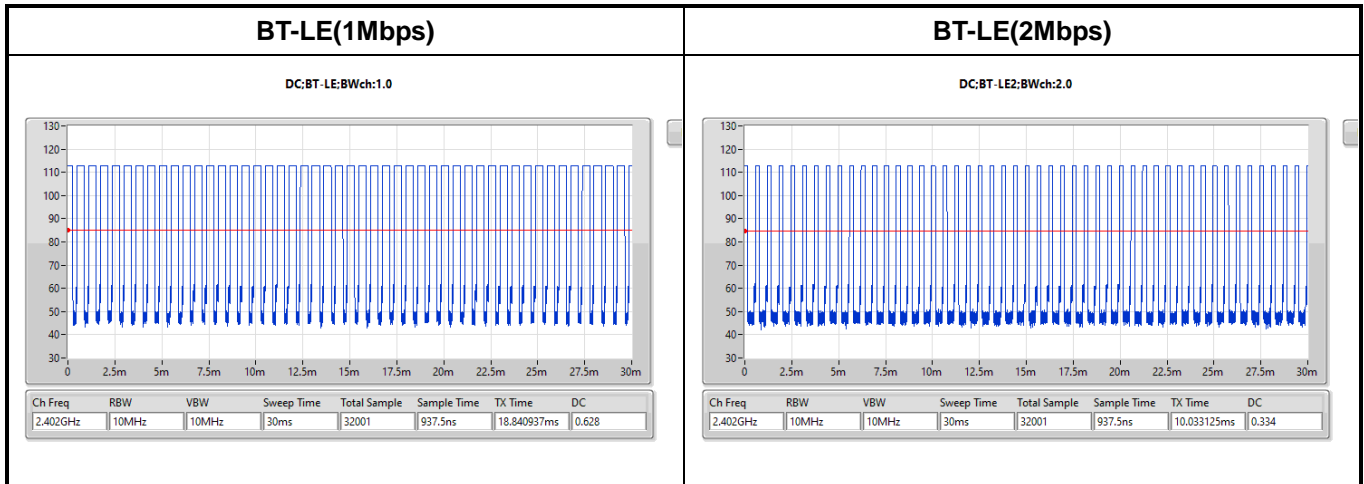
Operational Condition	
<b>EUT Power Type</b>	From AC Adapter / Battery
<b>EUT Function</b>	<input checked="" type="checkbox"/> Point-to-multipoint <input type="checkbox"/> Point-to-point
Type of EUT	
<input checked="" type="checkbox"/>	Stand-alone
<input type="checkbox"/>	Combined (EUT where the radio 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) ≥ 1/T
BT-LE(1Mbps)	0.628	2.02	392.812u	3k
BT-LE(2Mbps)	0.334	4.76	209.062u	10k

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 (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
AC Conduction	CO04-HY	Daniel Lin	21.0~22.1°C / 51~56%	12/Jan/2023
RF Conducted	TH06-HY	Jin Jing	22.3~23.3°C / 55~63%	06/Feb/2023~15/Mar/2023
Radiated	03CH02-HY	Kun Lee	22.2~23.4°C / 50~52%	22/Mar/2023~27/Mar/2023
<input checked="" type="checkbox"/>	Wen 33rd.St. (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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Co-location)	03CH09-HY	Edward Wang	22.2~23.4°C / 50~52%	05/Jun/2023

## 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
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
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%
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	DRTU Version: DRTU.03227.22.190.0
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### 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	Adapter Mode
2	Adapter Mode (Full Port)

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement 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.		
Operating Mode < 1GHz	CTX		
1	Adapter Mode		
2	Adapter Mode (Full Port)		
Operating Mode > 1GHz	CTX		
Three EUT configure modes were pretest, only the worst case was performed and recorded in this test report. EUT configure modes are described in the operational description.			
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V



<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode</b>	CTX
1	2.4GHz WLAN + Bluetooth
2	5GHz WLAN + Bluetooth
3	5.9GHz WLAN + Bluetooth
4	6GHz WLAN + Bluetooth

Refer to Sporton Test Report No.: FA310101 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.

## 2.3 Accessories

<b>Adapter 1</b>	Brand Name	Microsoft	Model Name	1932
	Manufacturer	Chicony	SN	-
	Power Rating	I/P:100-240Vac,1.91A,O/P:15.0Vdc,8.0A,120.0W,5.0Vdc,1.5A,7.5W		
<b>Adapter 2</b>	Brand Name	Microsoft	Model Name	1798
	Manufacturer	Chicony	SN	-
	Power Rating	I/P:100-240Vac,1.5A,O/P:15.0Vdc,6.33A,95.0W,5.0Vdc,1.5A,7.5W		
<b>Power Cord 1</b>	Brand Name	Volex (Asia) Pte Ltd	Model Name	X908885
<b>Power Cord 2</b>	Brand Name	WELL SHIN TECHNOLOGY CO.,LTD	Model Name	X908885
<b>Stylus</b>	Brand Name	Microsoft	Model Name	1962
<b>Battery 1</b>	Brand Name	SMP	Model Name	G3HTA071H
<b>Battery 2</b>	Brand Name	SMP	Model Name	G3HTA072H

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

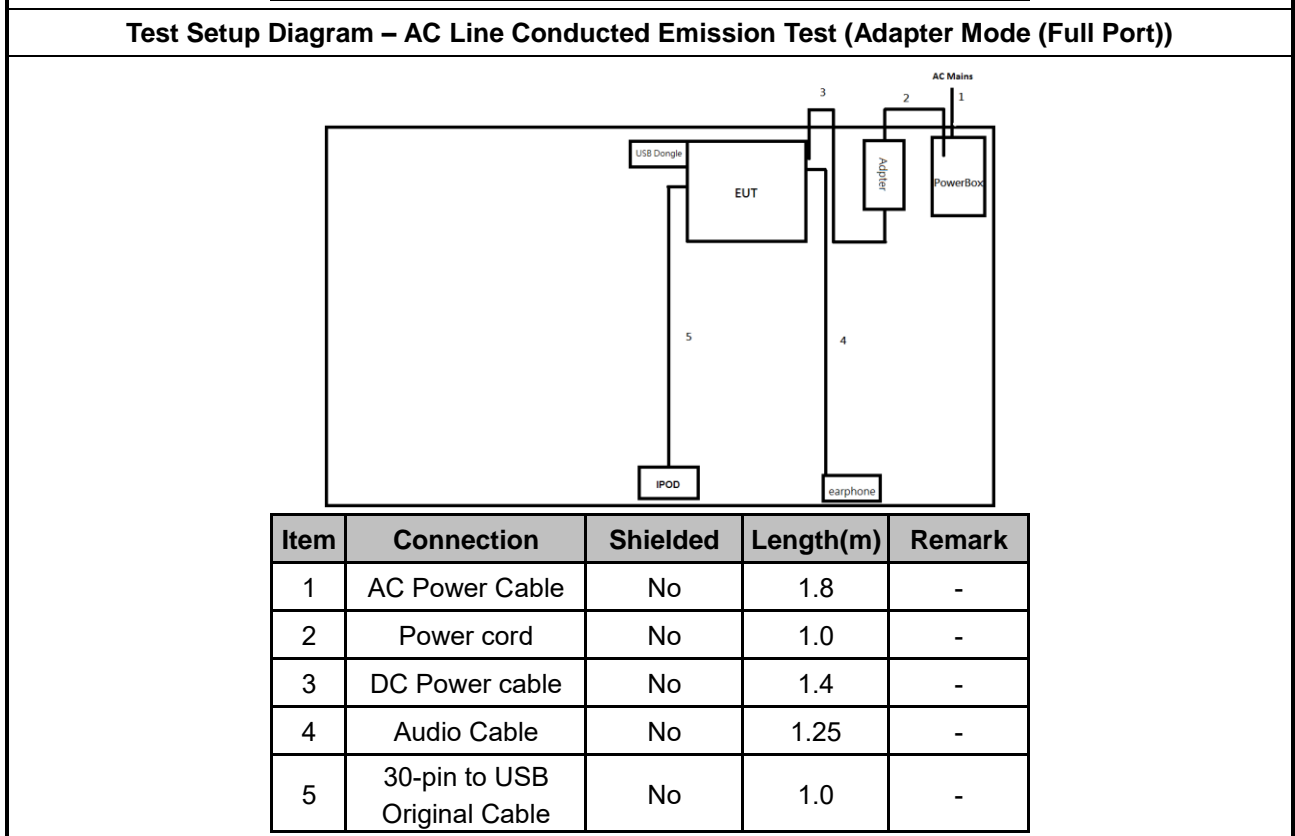
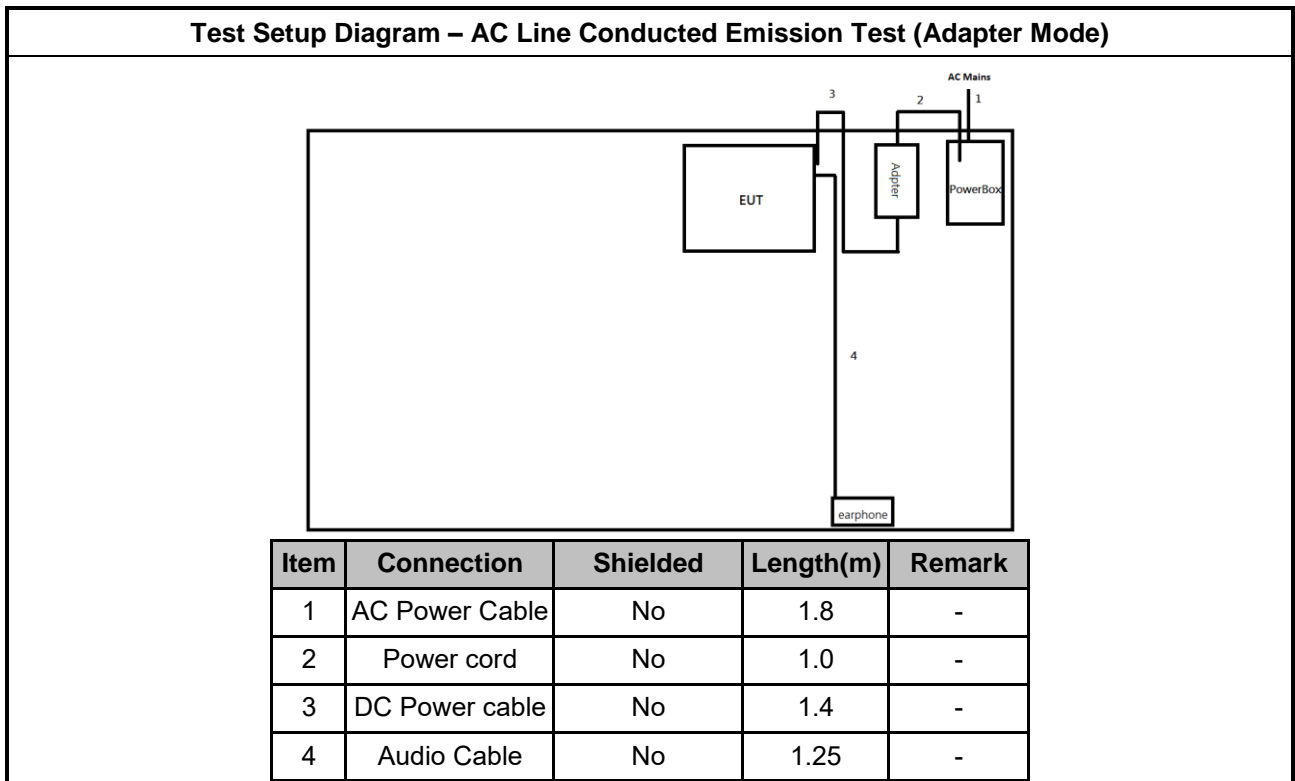
## 2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	iPod	Apple	A1199	-	-
2	30-pin to USB Original cable	Apple	MA591GC	-	-
3	Earphone	Apple	MD827FE/A	-	-
4	USB Dongle*2	SanDisk	SDDDC4	-	-

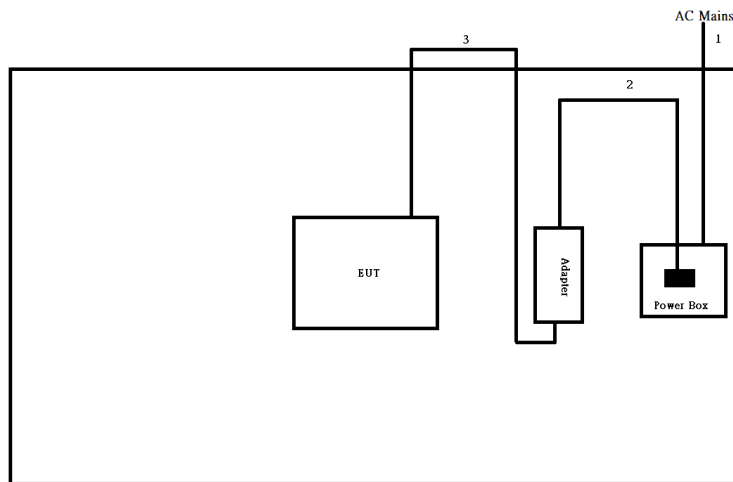
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Mouse	lenovo	MOGOUO	-	-
2	Earphone	EDSDS	EDS-C438	-	-
3	iPod	Apple	A1199	-	-
4	USB Dongle*2	SanDisk	SDDDC4	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	Dell	E5410	-	-
2	Adapter for NB	Dell	HA65NM130	-	-

## 2.5 Test Setup Diagram

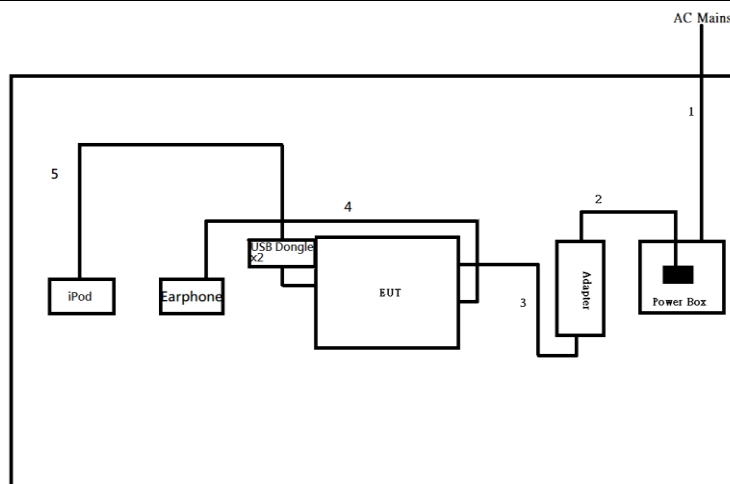


**Test Setup Diagram - Radiated Test (Adapter Mode)**



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	AC Power Cable	No	1.0	-
3	DC Power cable	No	1.4	-

**Test Setup Diagram - Radiated Test(Adapter Mode (Full Port))**



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	AC Power Cable	No	1.0	-
3	DC Power cable	No	1.4	-
4	Audio Cable	No	1.25	-
5	30-pin to USB Original Cable	No	1.25	-

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: \* Decreases with the logarithm of the frequency.

##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

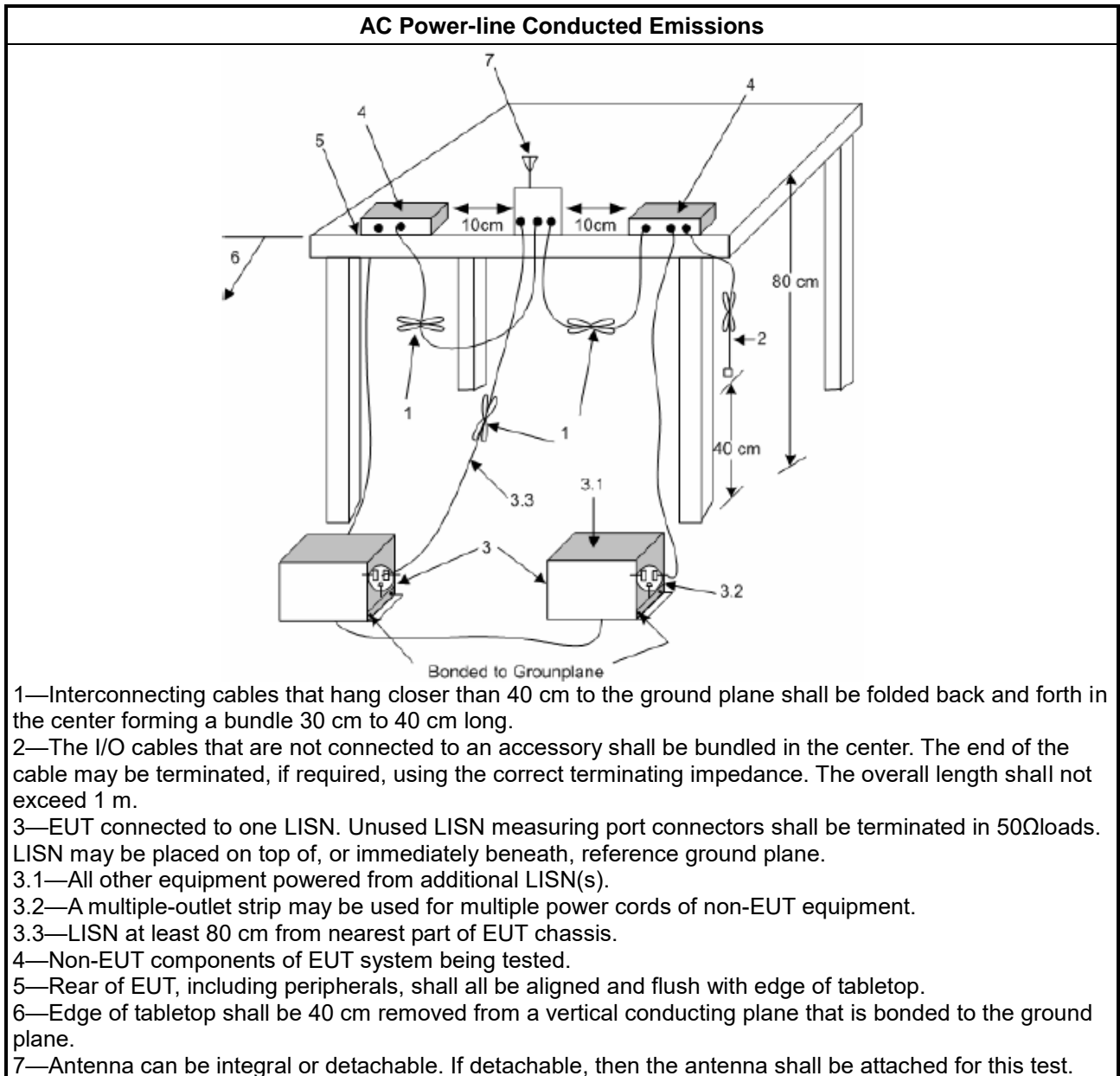
Test Method
<ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.</li> </ul>

##### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

### 3.1.5 Test Setup



### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

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

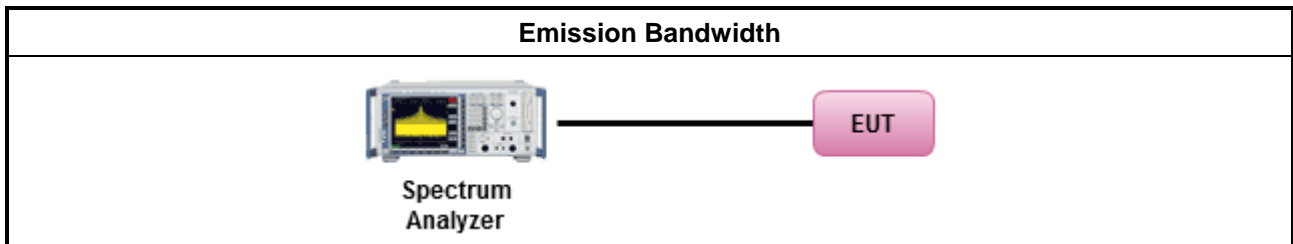
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 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.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Conducted Output Power

#### 3.3.1 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>
e.i.r.p. Power Limit:	
	<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><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

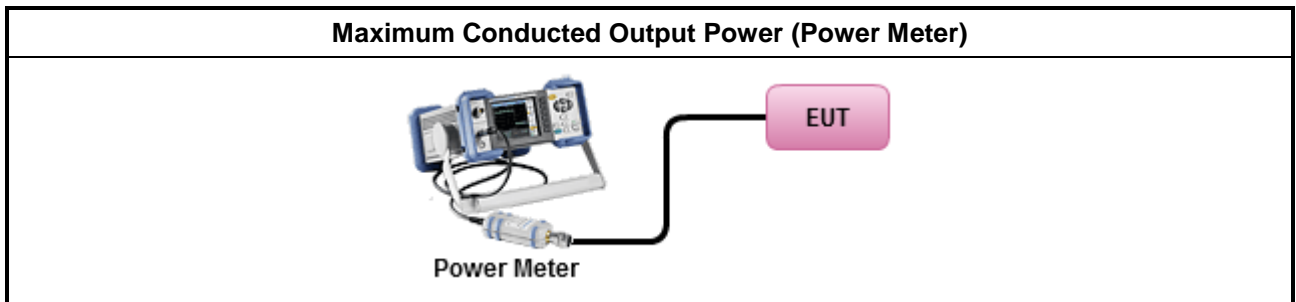
#### 3.3.2 Measuring Instruments

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>▪ 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: 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:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

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

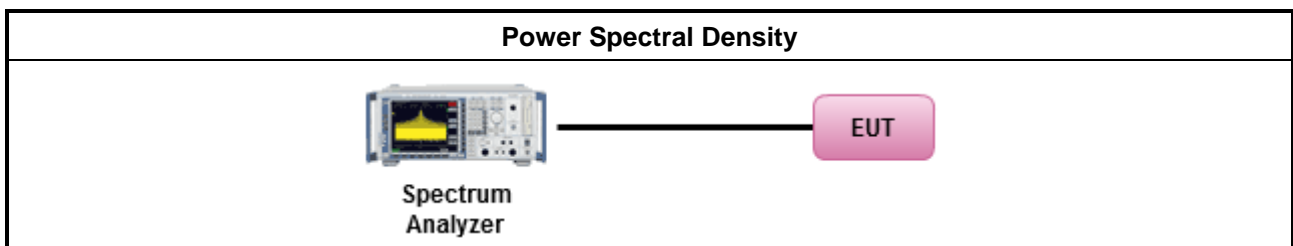
#### 3.4.2 Measuring Instruments

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>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>

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 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

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.

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.

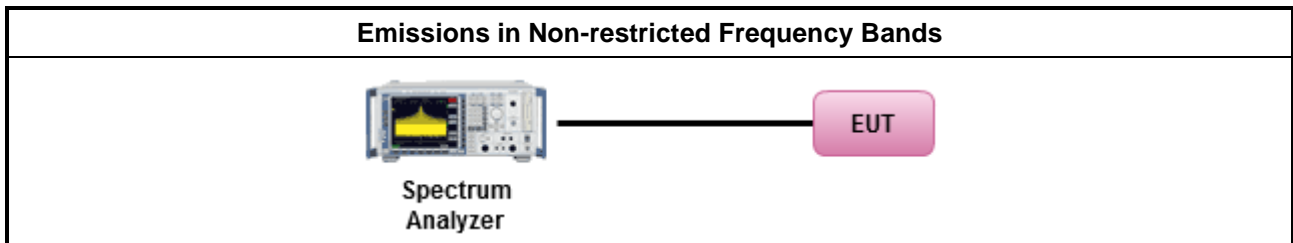
#### 3.5.2 Measuring Instruments

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>Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.</li> </ul>

#### 3.5.4 Test Setup



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

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 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.

#### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

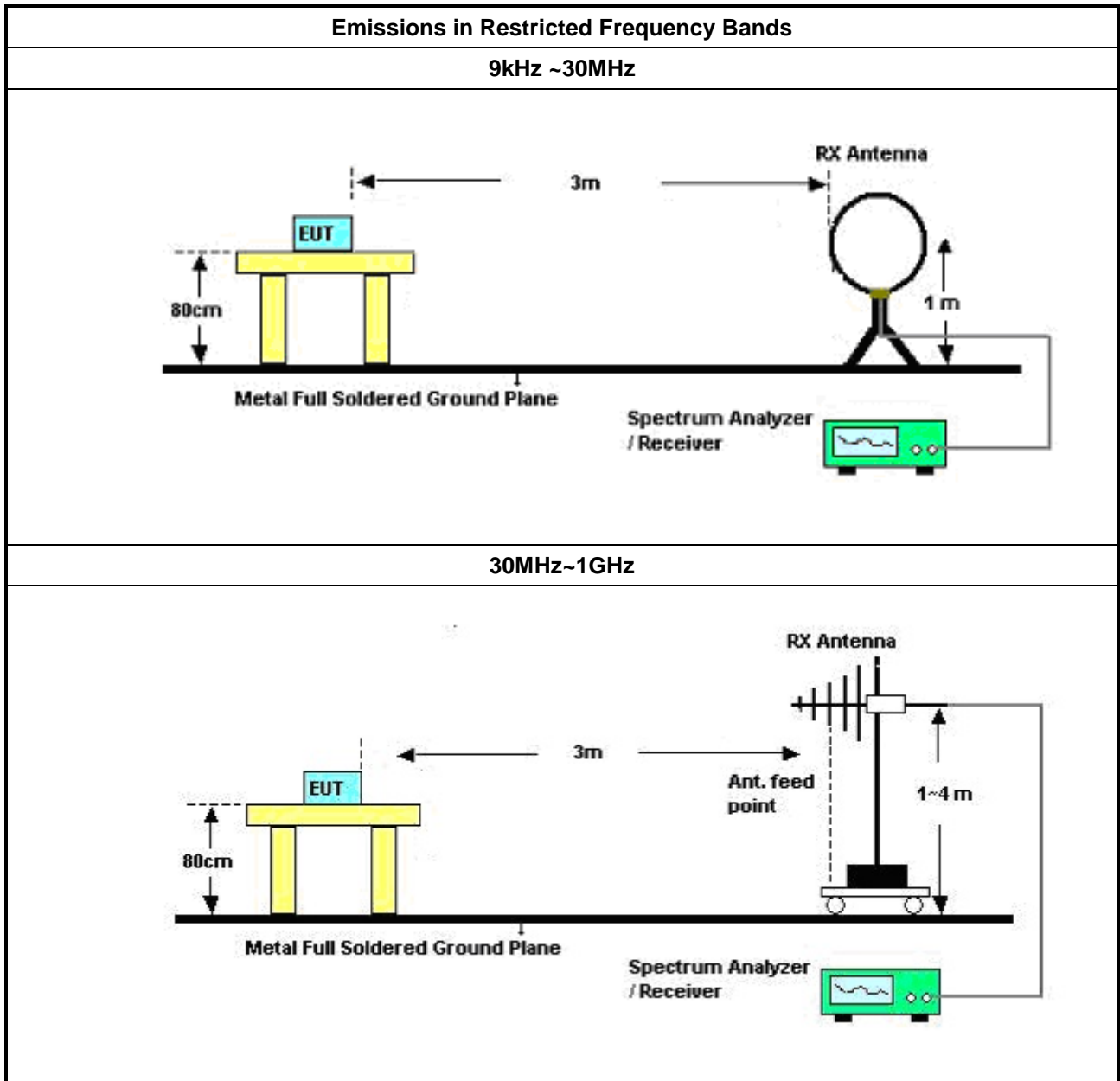
<b>Test Method</b>	
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel 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 f &lt; 1 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 f ≥ 1 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>

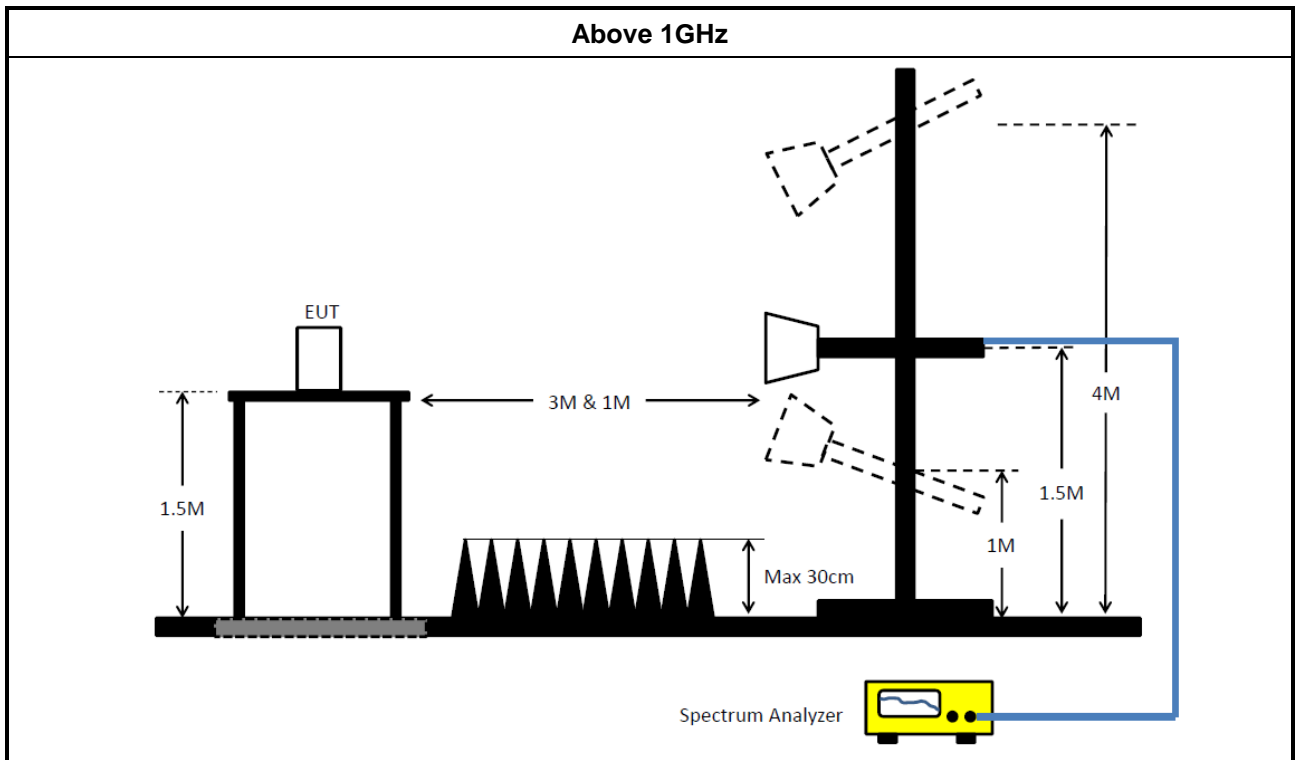
### 3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.6.5 Test Setup





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

Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement. The parallel orientation was found to be the worst case scenario. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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

Refer as Appendix F



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

### 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	10/Nov/2022	09/Nov/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
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	V5.11.1	N/A	N/A	N/A	N/A

### Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	14/Mar/2023	13/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	30/Dec/2022	29/Dec/2023
Microwave Pre-amplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	21/Feb/2023	20/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Pre-amplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	V5.11	NA	NA	NA	NA



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	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	15GHz~40GHz	14/May/2022	13/May/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	Teseq	HLA 6120	24155	9kHz~30MHz	14/May/2022	13/May/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE-15247_FS	Sporton	Sporton	V5.11.1.0	NA	NA	NA



**Summary**

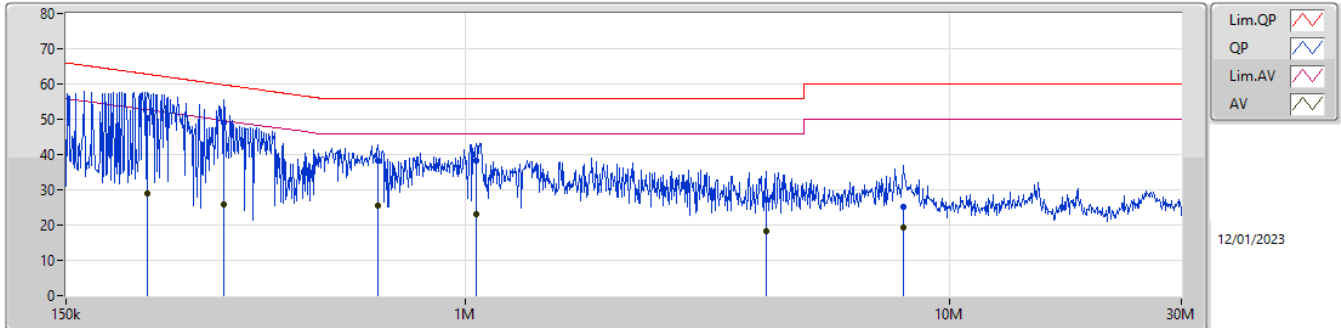
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	311.43k	49.64	59.94	-10.30	Neutral
Mode 2	Pass	QP	298.051k	50.04	60.30	-10.26	Neutral



Result

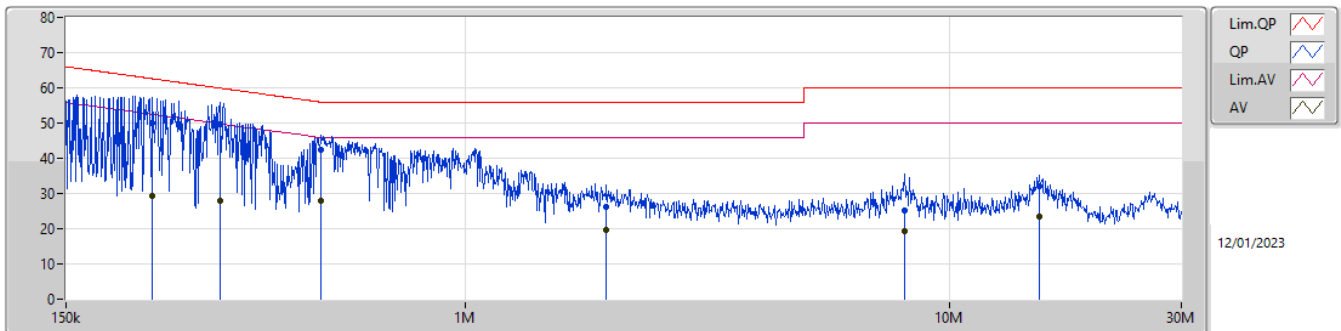
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	220.933k	50.39	62.79	-12.40	Line	-
Mode 1	Pass	AV	220.933k	28.99	52.79	-23.80	Line	-
Mode 1	Pass	QP	317.709k	48.94	59.77	-10.83	Line	-
Mode 1	Pass	AV	317.709k	25.97	49.77	-23.80	Line	-
Mode 1	Pass	QP	659.627k	38.41	56.00	-17.59	Line	-
Mode 1	Pass	AV	659.627k	25.56	46.00	-20.44	Line	-
Mode 1	Pass	QP	1.052M	38.44	56.00	-17.56	Line	-
Mode 1	Pass	AV	1.052M	23.08	46.00	-22.92	Line	-
Mode 1	Pass	QP	4.171M	27.27	56.00	-28.73	Line	-
Mode 1	Pass	AV	4.171M	18.19	46.00	-27.81	Line	-
Mode 1	Pass	QP	7.996M	25.28	60.00	-34.72	Line	-
Mode 1	Pass	AV	7.996M	19.41	50.00	-30.59	Line	-
Mode 1	Pass	QP	226.289k	50.00	62.58	-12.58	Neutral	-
Mode 1	Pass	AV	226.289k	29.41	52.58	-23.17	Neutral	-
Mode 1	Pass	QP	311.43k	49.64	59.94	-10.30	Neutral	-
Mode 1	Pass	AV	311.43k	27.81	49.94	-22.13	Neutral	-
Mode 1	Pass	QP	504.824k	42.56	56.00	-13.44	Neutral	-
Mode 1	Pass	AV	504.824k	27.86	46.00	-18.14	Neutral	-
Mode 1	Pass	QP	1.954M	26.16	56.00	-29.84	Neutral	-
Mode 1	Pass	AV	1.954M	19.50	46.00	-26.50	Neutral	-
Mode 1	Pass	QP	8.06M	25.04	60.00	-34.96	Neutral	-
Mode 1	Pass	AV	8.06M	19.29	50.00	-30.71	Neutral	-
Mode 1	Pass	QP	15.266M	32.00	60.00	-28.00	Neutral	-
Mode 1	Pass	AV	15.266M	23.39	50.00	-26.61	Neutral	-
Mode 2	Pass	QP	199.819k	49.39	63.61	-14.22	Line	-
Mode 2	Pass	AV	199.819k	27.60	53.61	-26.01	Line	-
Mode 2	Pass	QP	276.22k	44.54	60.93	-16.39	Line	-
Mode 2	Pass	AV	276.22k	24.06	50.93	-26.87	Line	-
Mode 2	Pass	QP	581.087k	37.58	56.00	-18.42	Line	-
Mode 2	Pass	AV	581.087k	23.34	46.00	-22.66	Line	-
Mode 2	Pass	QP	1.02M	38.76	56.00	-17.24	Line	-
Mode 2	Pass	AV	1.02M	23.51	46.00	-22.49	Line	-
Mode 2	Pass	QP	3.873M	27.21	56.00	-28.79	Line	-
Mode 2	Pass	AV	3.873M	18.47	46.00	-27.53	Line	-
Mode 2	Pass	QP	7.642M	25.40	60.00	-34.60	Line	-
Mode 2	Pass	AV	7.642M	19.52	50.00	-30.48	Line	-
Mode 2	Pass	QP	233.633k	49.79	62.31	-12.52	Neutral	-
Mode 2	Pass	AV	233.633k	31.22	52.31	-21.09	Neutral	-
Mode 2	Pass	QP	298.051k	50.04	60.30	-10.26	Neutral	-
Mode 2	Pass	AV	298.051k	26.69	50.30	-23.61	Neutral	-
Mode 2	Pass	QP	525.384k	42.52	56.00	-13.48	Neutral	-
Mode 2	Pass	AV	525.384k	29.04	46.00	-16.96	Neutral	-
Mode 2	Pass	QP	995.11k	37.24	56.00	-18.76	Neutral	-
Mode 2	Pass	AV	995.11k	21.79	46.00	-24.21	Neutral	-
Mode 2	Pass	QP	3.472M	19.77	56.00	-36.23	Neutral	-
Mode 2	Pass	AV	3.472M	16.54	46.00	-29.46	Neutral	-
Mode 2	Pass	QP	15.327M	32.20	60.00	-27.80	Neutral	-
Mode 2	Pass	AV	15.327M	23.60	50.00	-26.40	Neutral	-

## Conducted Emissions at Powerline\_Mode 1



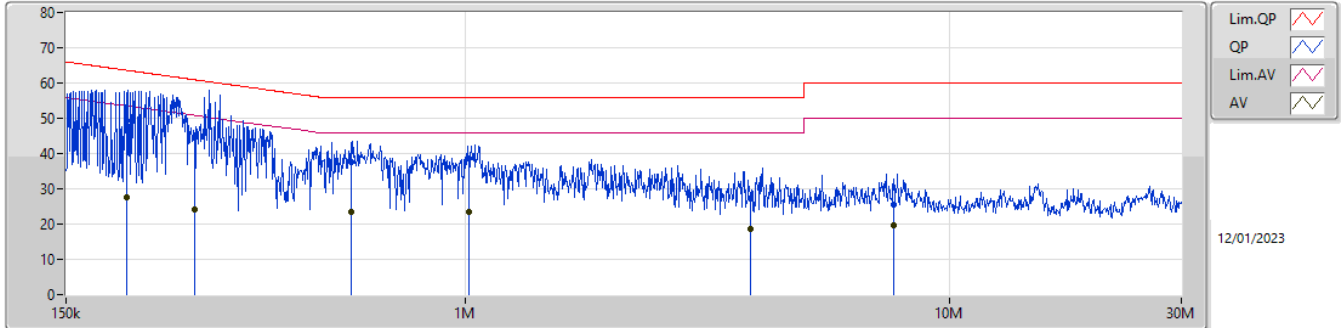
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	220.933k	50.39	62.79	-12.40	19.65	Line	-	30.74	9.69	0.03	9.93
AV	220.933k	28.99	52.79	-23.80	19.65	Line	-	9.34	9.69	0.03	9.93
QP	317.709k	48.94	59.77	-10.83	19.67	Line	-	29.27	9.68	0.04	9.95
AV	317.709k	25.97	49.77	-23.80	19.67	Line	-	6.30	9.68	0.04	9.95
QP	659.627k	38.41	56.00	-17.59	19.68	Line	-	18.73	9.68	0.05	9.95
AV	659.627k	25.56	46.00	-20.44	19.68	Line	-	5.88	9.68	0.05	9.95
QP	1.052M	38.44	56.00	-17.56	19.67	Line	-	18.77	9.68	0.05	9.94
AV	1.052M	23.08	46.00	-22.92	19.67	Line	-	3.41	9.68	0.05	9.94
QP	4.171M	27.27	56.00	-28.73	19.77	Line	-	7.50	9.71	0.13	9.93
AV	4.171M	18.19	46.00	-27.81	19.77	Line	-	-1.58	9.71	0.13	9.93
QP	7.996M	25.28	60.00	-34.72	19.91	Line	-	5.37	9.79	0.17	9.95
AV	7.996M	19.41	50.00	-30.59	19.91	Line	-	-0.50	9.79	0.17	9.95

## Conducted Emissions at Powerline\_Mode 1



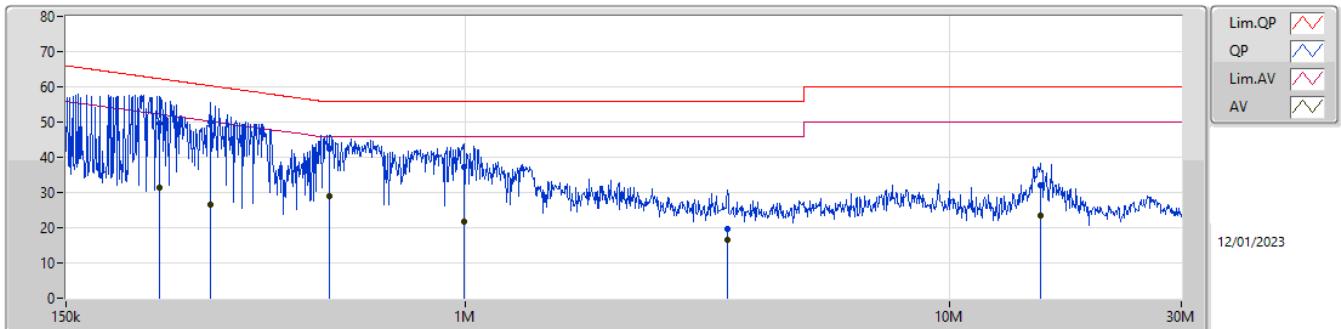
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	226.289k	50.00	62.58	-12.58	19.69	Neutral	-	30.31	9.72	0.03	9.94
AV	226.289k	29.41	52.58	-23.17	19.69	Neutral	-	9.72	9.72	0.03	9.94
QP	311.43k	49.64	59.94	-10.30	19.71	Neutral	-	29.93	9.72	0.04	9.95
AV	311.43k	27.81	49.94	-22.13	19.71	Neutral	-	8.10	9.72	0.04	9.95
QP	504.824k	42.56	56.00	-13.44	19.71	Neutral	-	22.85	9.72	0.04	9.95
AV	504.824k	27.86	46.00	-18.14	19.71	Neutral	-	8.15	9.72	0.04	9.95
QP	1.954M	26.16	56.00	-29.84	19.76	Neutral	-	6.40	9.74	0.08	9.94
AV	1.954M	19.50	46.00	-26.50	19.76	Neutral	-	-0.26	9.74	0.08	9.94
QP	8.06M	25.04	60.00	-34.96	19.98	Neutral	-	5.06	9.86	0.17	9.95
AV	8.06M	19.29	50.00	-30.71	19.98	Neutral	-	-0.69	9.86	0.17	9.95
QP	15.266M	32.00	60.00	-28.00	20.16	Neutral	-	11.84	9.95	0.24	9.97
AV	15.266M	23.39	50.00	-26.61	20.16	Neutral	-	3.23	9.95	0.24	9.97

Conducted Emissions at Powerline\_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	199.819k	49.39	63.61	-14.22	19.65	Line	-	29.74	9.69	0.03	9.93
AV	199.819k	27.60	53.61	-26.01	19.65	Line	-	7.95	9.69	0.03	9.93
QP	276.22k	44.54	60.93	-16.39	19.66	Line	-	24.88	9.69	0.03	9.94
AV	276.22k	24.06	50.93	-26.87	19.66	Line	-	4.40	9.69	0.03	9.94
QP	581.087k	37.58	56.00	-18.42	19.67	Line	-	17.91	9.68	0.04	9.95
AV	581.087k	23.34	46.00	-22.66	19.67	Line	-	3.67	9.68	0.04	9.95
QP	1.02M	38.76	56.00	-17.24	19.67	Line	-	19.09	9.68	0.05	9.94
AV	1.02M	23.51	46.00	-22.49	19.67	Line	-	3.84	9.68	0.05	9.94
QP	3.873M	27.21	56.00	-28.79	19.77	Line	-	7.44	9.71	0.13	9.93
AV	3.873M	18.47	46.00	-27.53	19.77	Line	-	-1.30	9.71	0.13	9.93
QP	7.642M	25.40	60.00	-34.60	19.90	Line	-	5.50	9.78	0.17	9.95
AV	7.642M	19.52	50.00	-30.48	19.90	Line	-	-0.38	9.78	0.17	9.95

Conducted Emissions at Powerline\_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	233.633k	49.79	62.31	-12.52	19.69	Neutral	-	30.10	9.72	0.03	9.94
AV	233.633k	31.22	52.31	-21.09	19.69	Neutral	-	11.53	9.72	0.03	9.94
QP	298.051k	50.04	60.30	-10.26	19.71	Neutral	-	30.33	9.72	0.04	9.95
AV	298.051k	26.69	50.30	-23.61	19.71	Neutral	-	6.98	9.72	0.04	9.95
QP	525.384k	42.52	56.00	-13.48	19.71	Neutral	-	22.81	9.72	0.04	9.95
AV	525.384k	29.04	46.00	-16.96	19.71	Neutral	-	9.33	9.72	0.04	9.95
QP	995.11k	37.24	56.00	-18.76	19.72	Neutral	-	17.52	9.73	0.05	9.94
AV	995.11k	21.79	46.00	-24.21	19.72	Neutral	-	2.07	9.73	0.05	9.94
QP	3.472M	19.77	56.00	-36.23	19.81	Neutral	-	-0.04	9.76	0.12	9.93
AV	3.472M	16.54	46.00	-29.46	19.81	Neutral	-	-3.27	9.76	0.12	9.93
QP	15.327M	32.20	60.00	-27.80	20.16	Neutral	-	12.04	9.95	0.24	9.97
AV	15.327M	23.60	50.00	-26.40	20.16	Neutral	-	3.44	9.95	0.24	9.97



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(1Mbps)	676.25k	1.039M	1M04F1D	660k	1.037M
BT-LE(2Mbps)	1.125M	2.041M	2M04F1D	1.105M	2.036M

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 (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	500k	660k	1.038M
2440MHz	Pass	500k	670k	1.037M
2480MHz	Pass	500k	676.25k	1.039M
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	500k	1.105M	2.039M
2440MHz	Pass	500k	1.113M	2.041M
2480MHz	Pass	500k	1.125M	2.036M

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

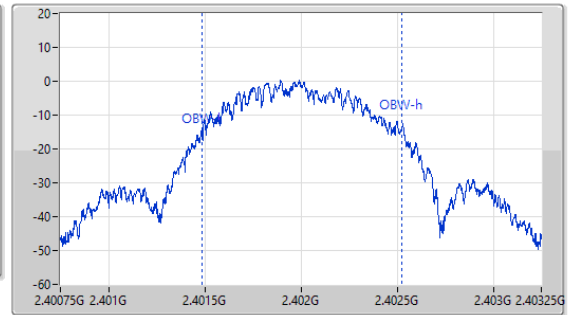
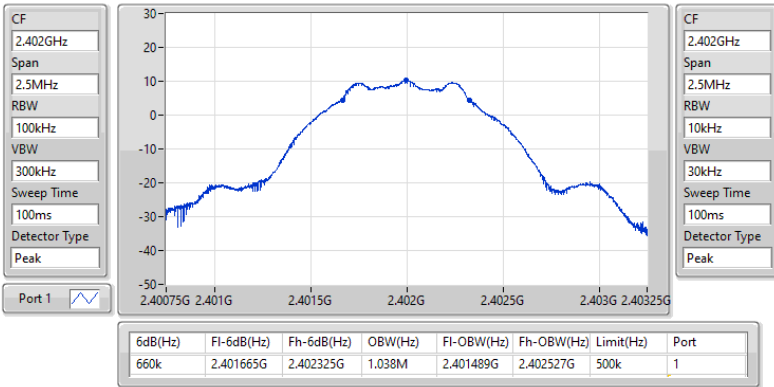


2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2402MHz

14/03/2023

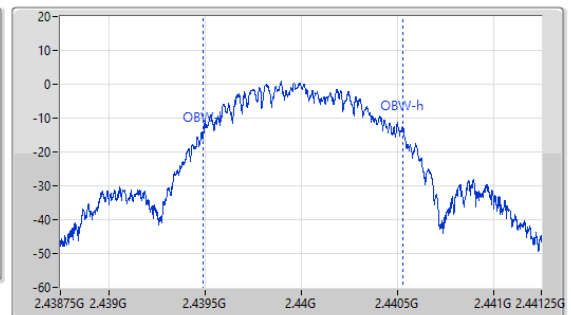
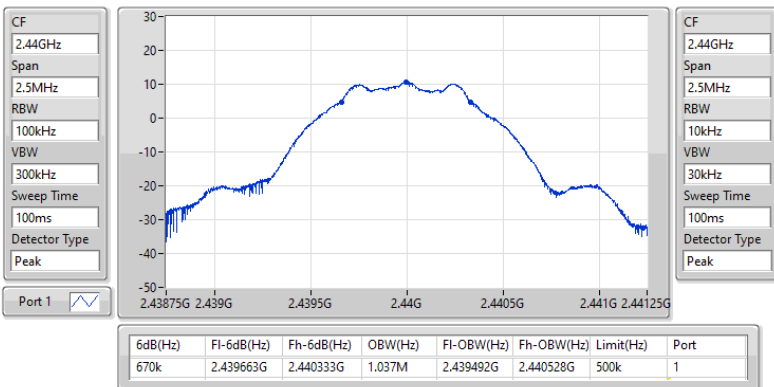


2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2440MHz

14/03/2023

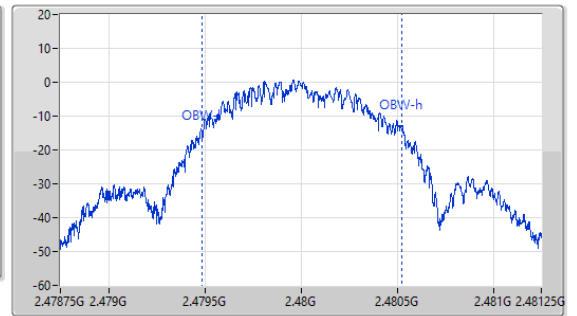
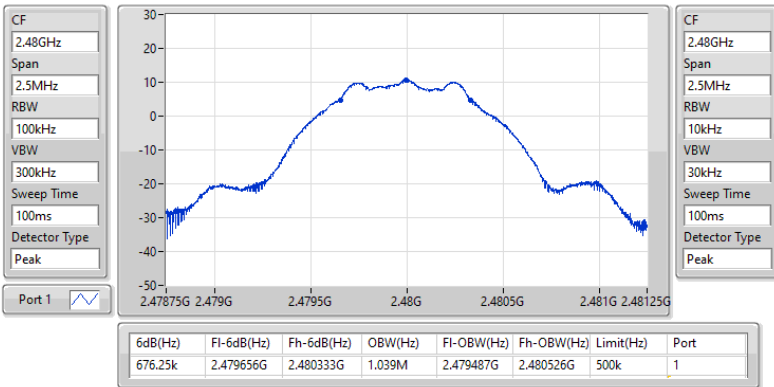


2.4-2.4835GHz\_BT-LE(1Mbps)

EBW-DTS

2480MHz

14/03/2023

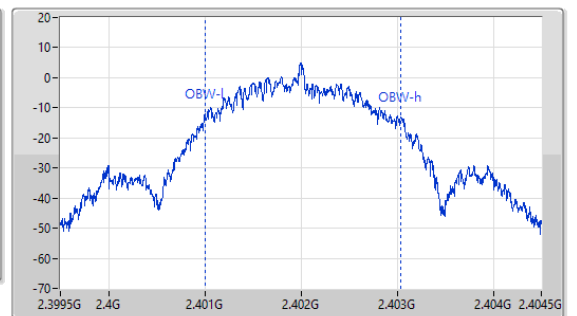
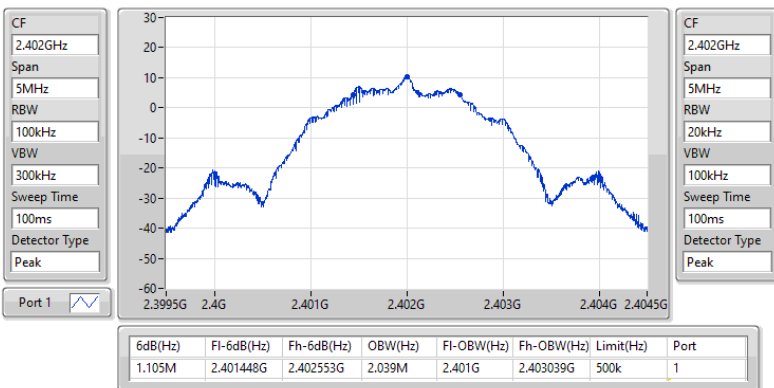


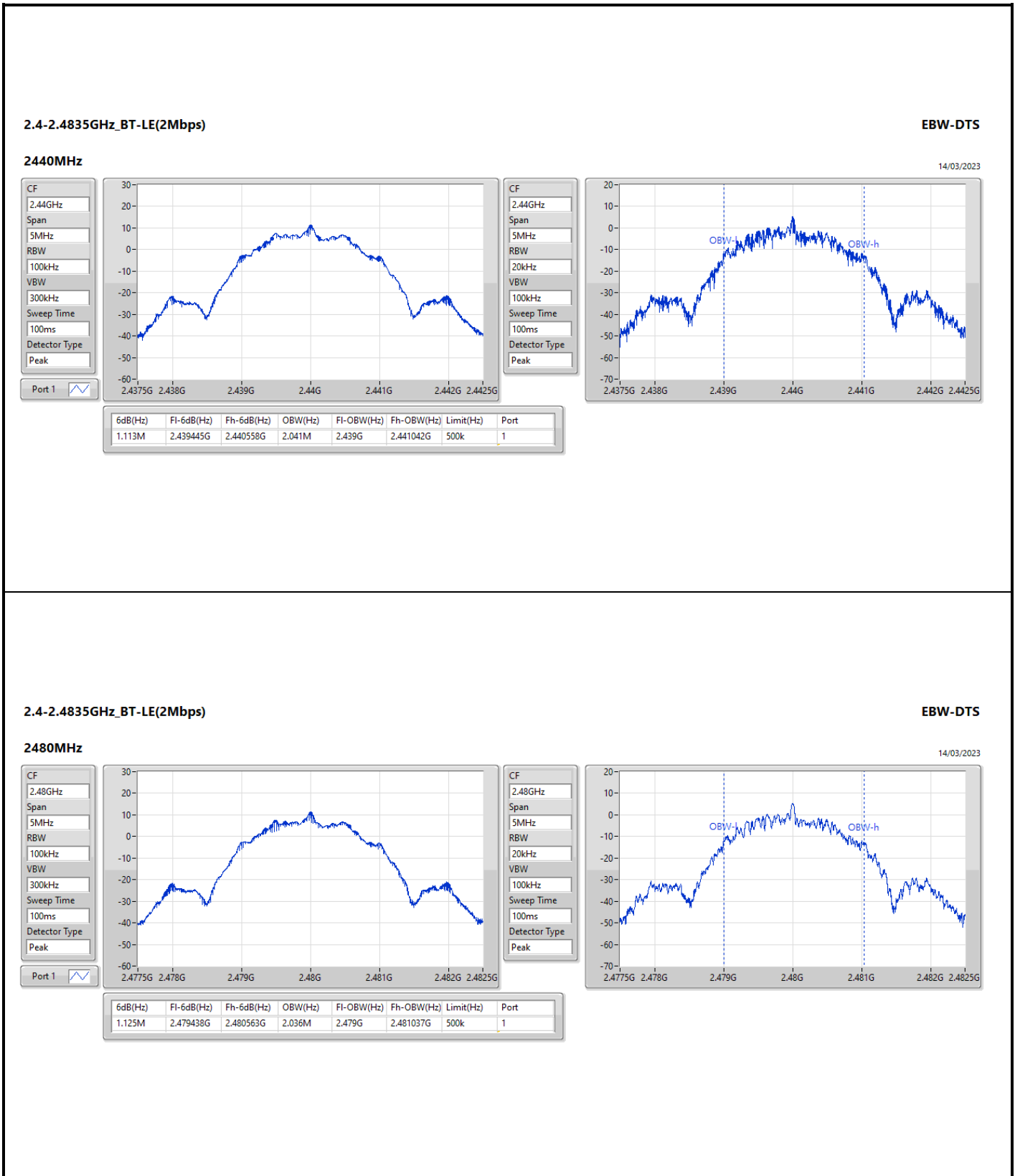
2.4-2.4835GHz\_BT-LE(2Mbps)

EBW-DTS

2402MHz

14/03/2023





Note: Trace mode Max Hold.



**Summary**

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(1Mbps)	10.90	0.01230
BT-LE(2Mbps)	10.82	0.01208



**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.57	10.35	30.00
2440MHz	Pass	4.57	10.82	30.00
2480MHz	Pass	4.57	10.90	30.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.57	10.25	30.00
2440MHz	Pass	4.57	10.69	30.00
2480MHz	Pass	4.57	10.82	30.00

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



**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(1Mbps)	-4.75
BT-LE(2Mbps)	-6.95

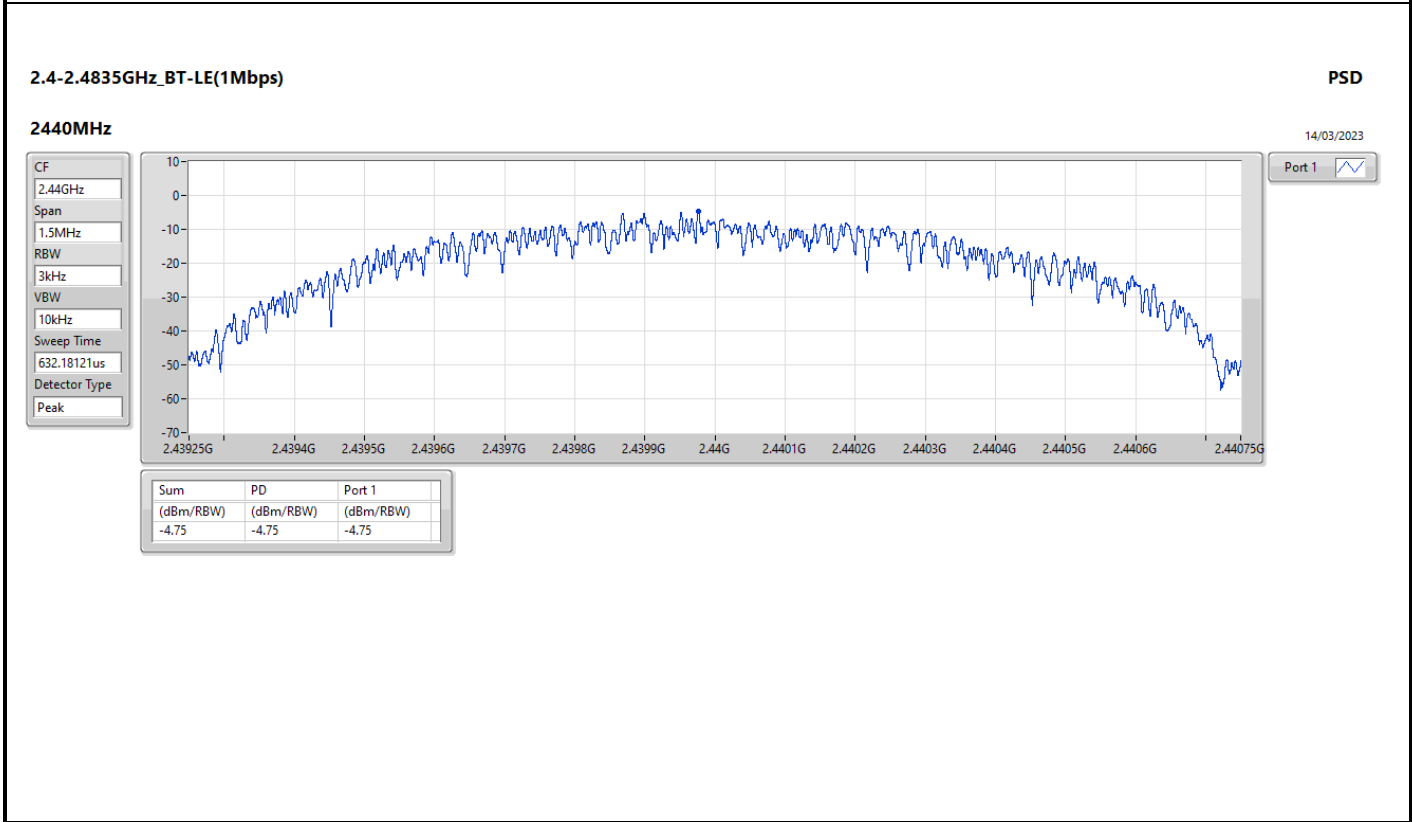
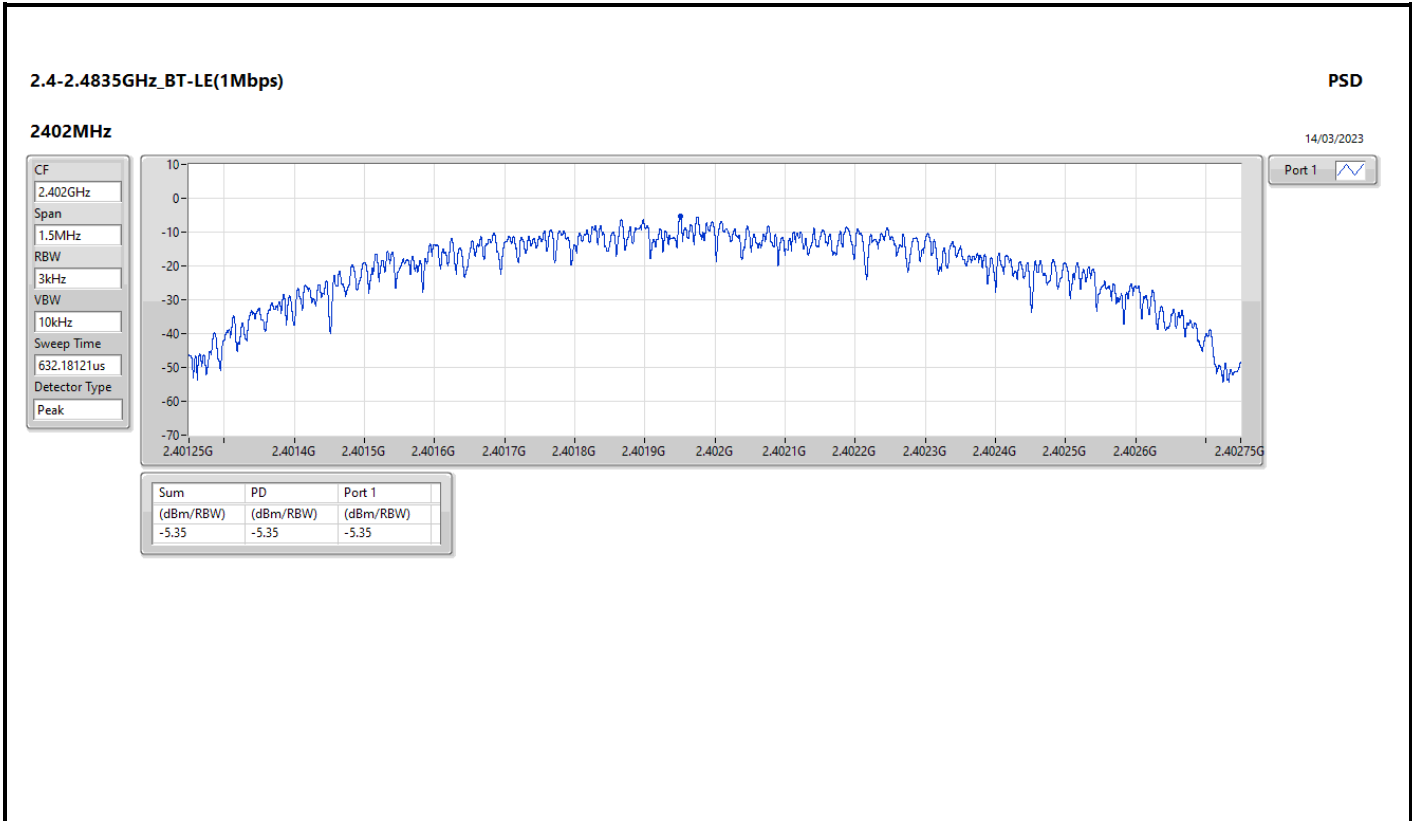
RBW = 3kHz;



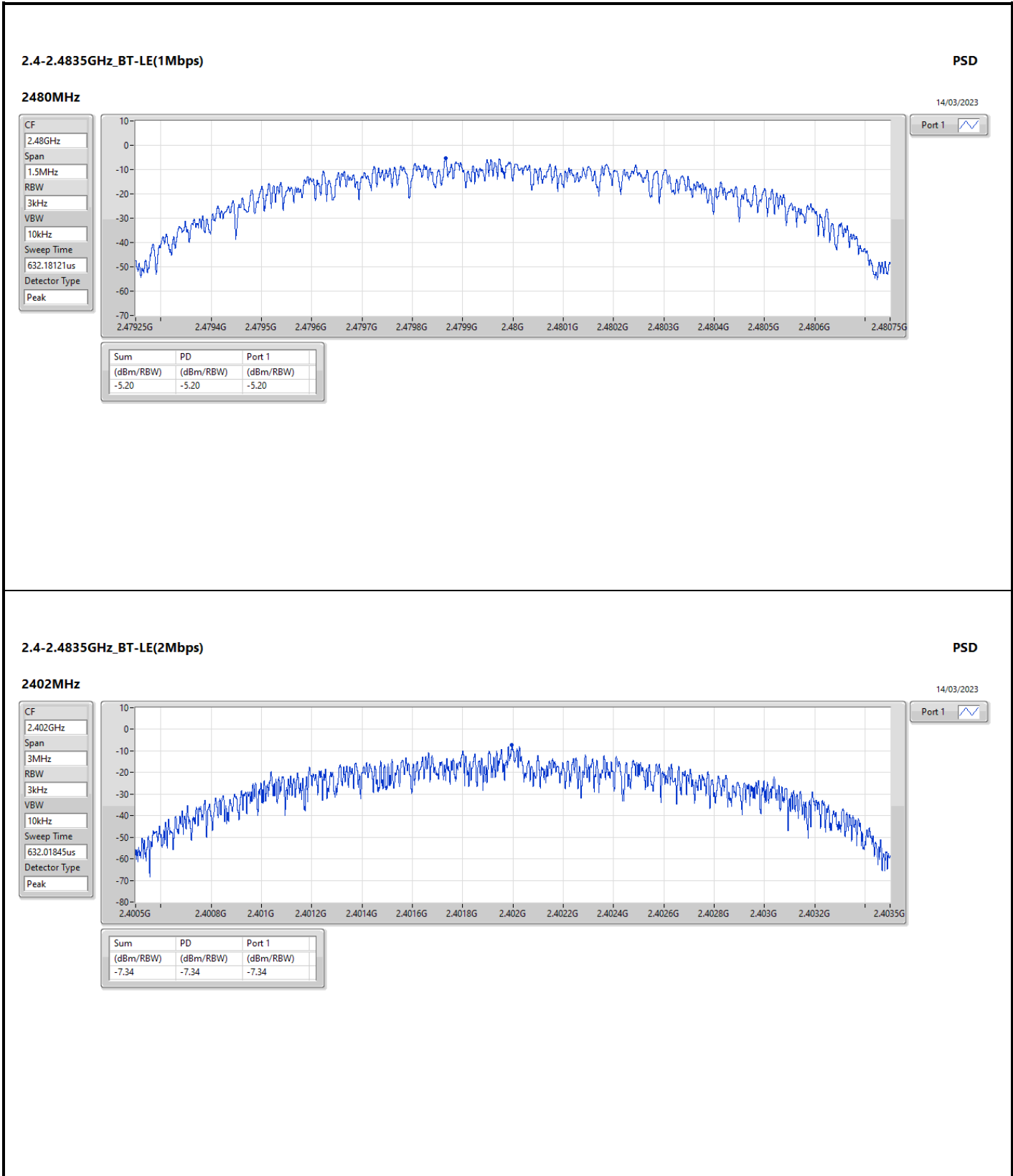
Result

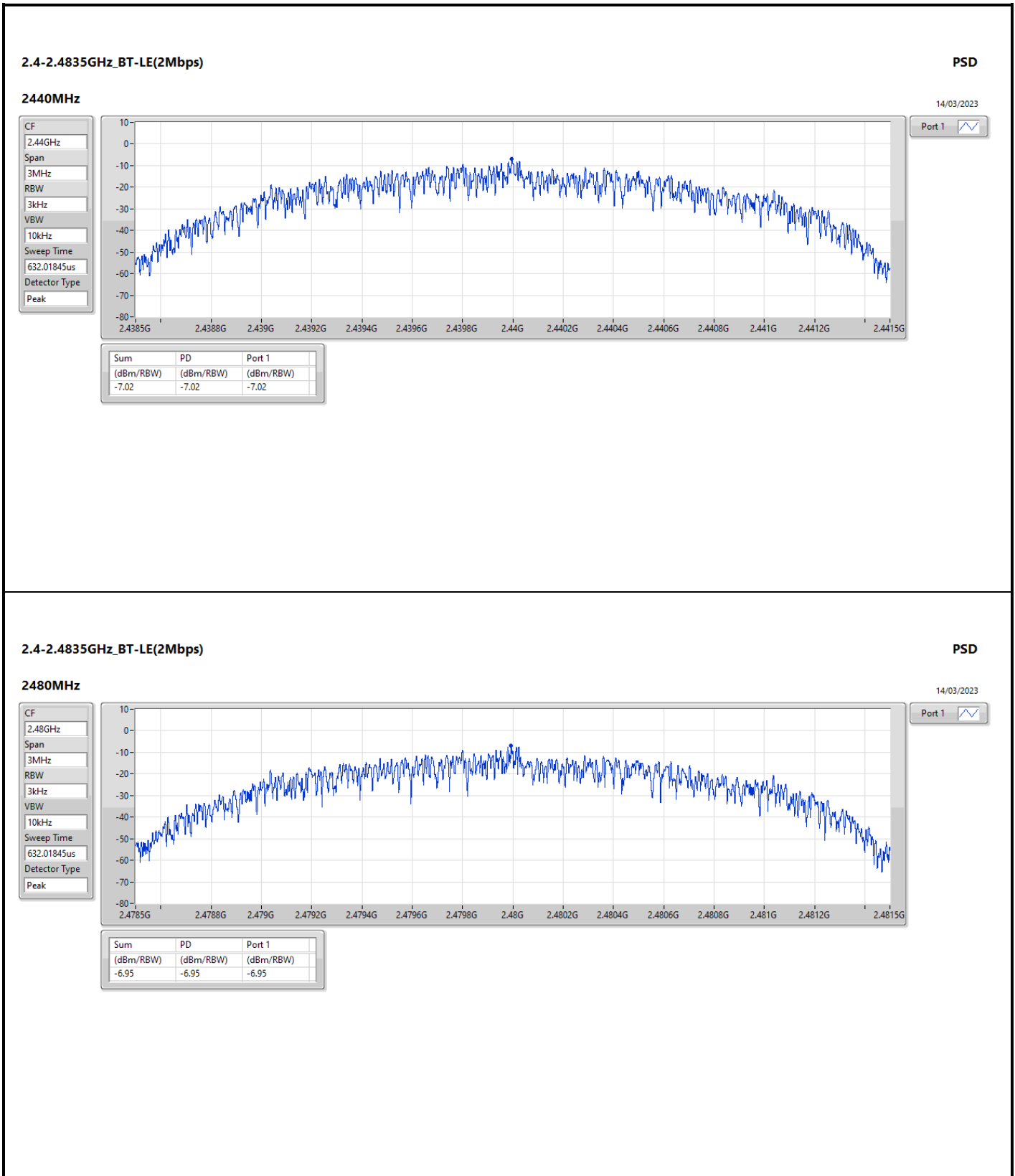
Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(1Mbps)	-	-	-	-
2402MHz	Pass	4.57	-5.35	8.00
2440MHz	Pass	4.57	-4.75	8.00
2480MHz	Pass	4.57	-5.20	8.00
BT-LE(2Mbps)	-	-	-	-
2402MHz	Pass	4.57	-7.34	8.00
2440MHz	Pass	4.57	-7.02	8.00
2480MHz	Pass	4.57	-6.95	8.00

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;









Note: Trace mode Max Hold.



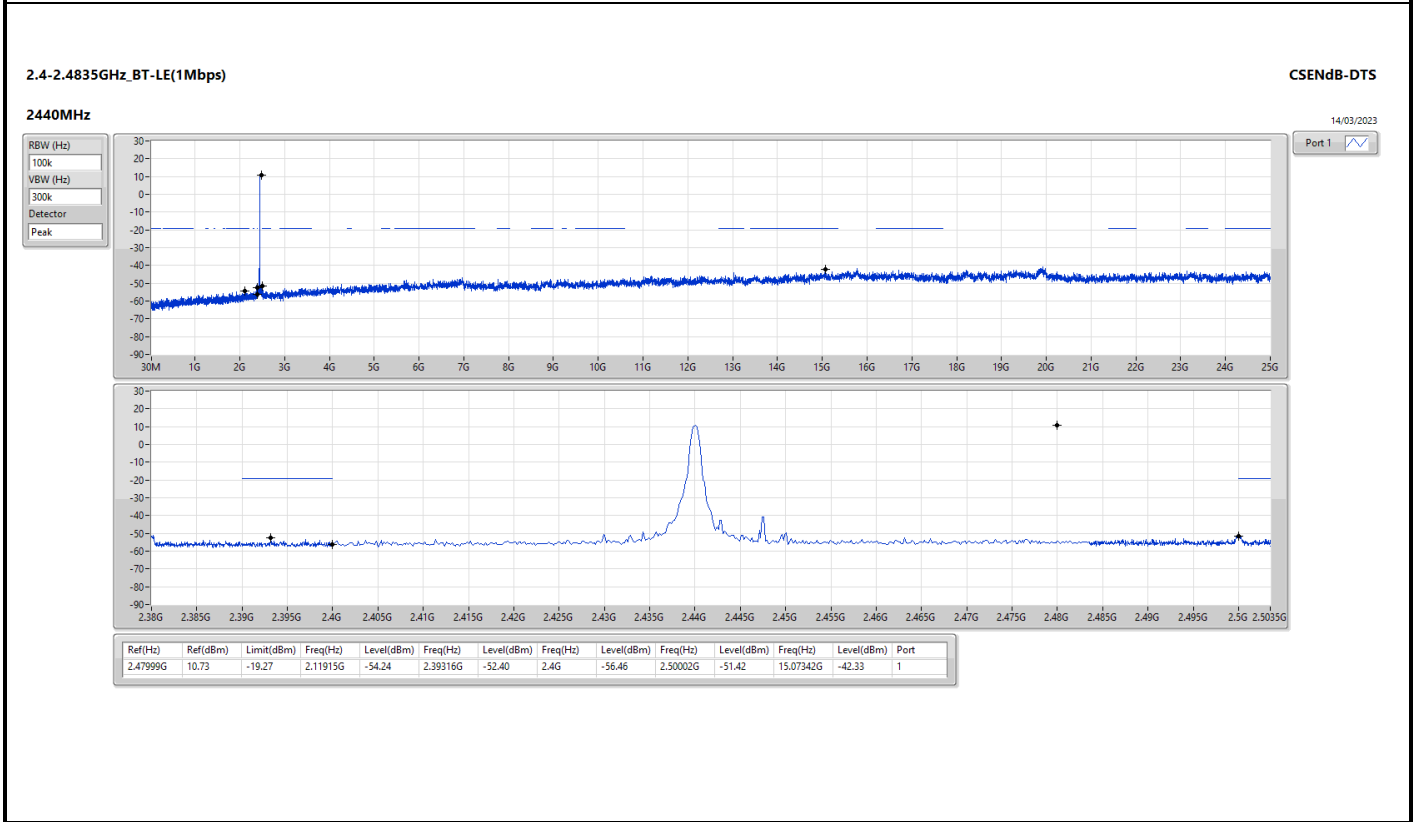
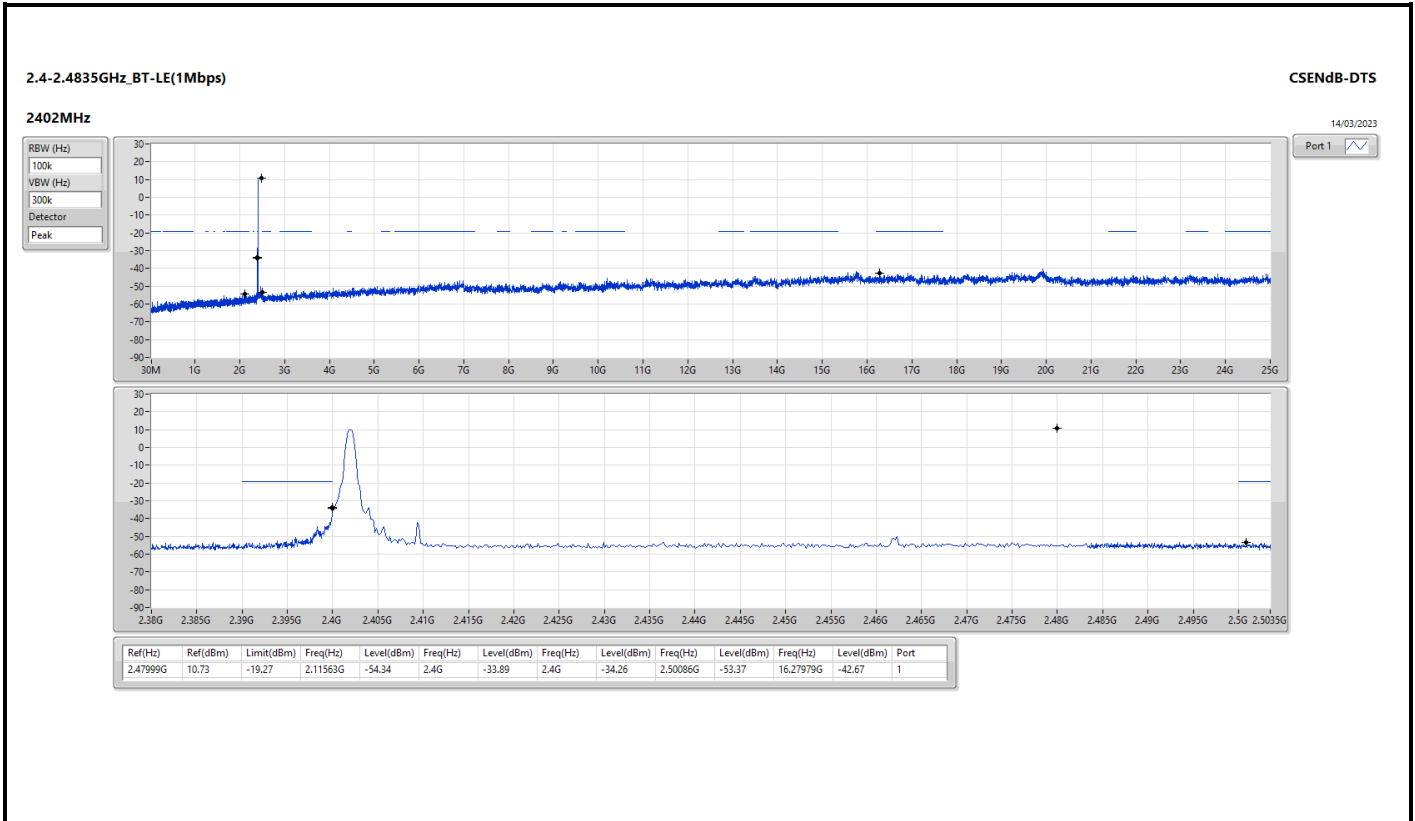
Summary

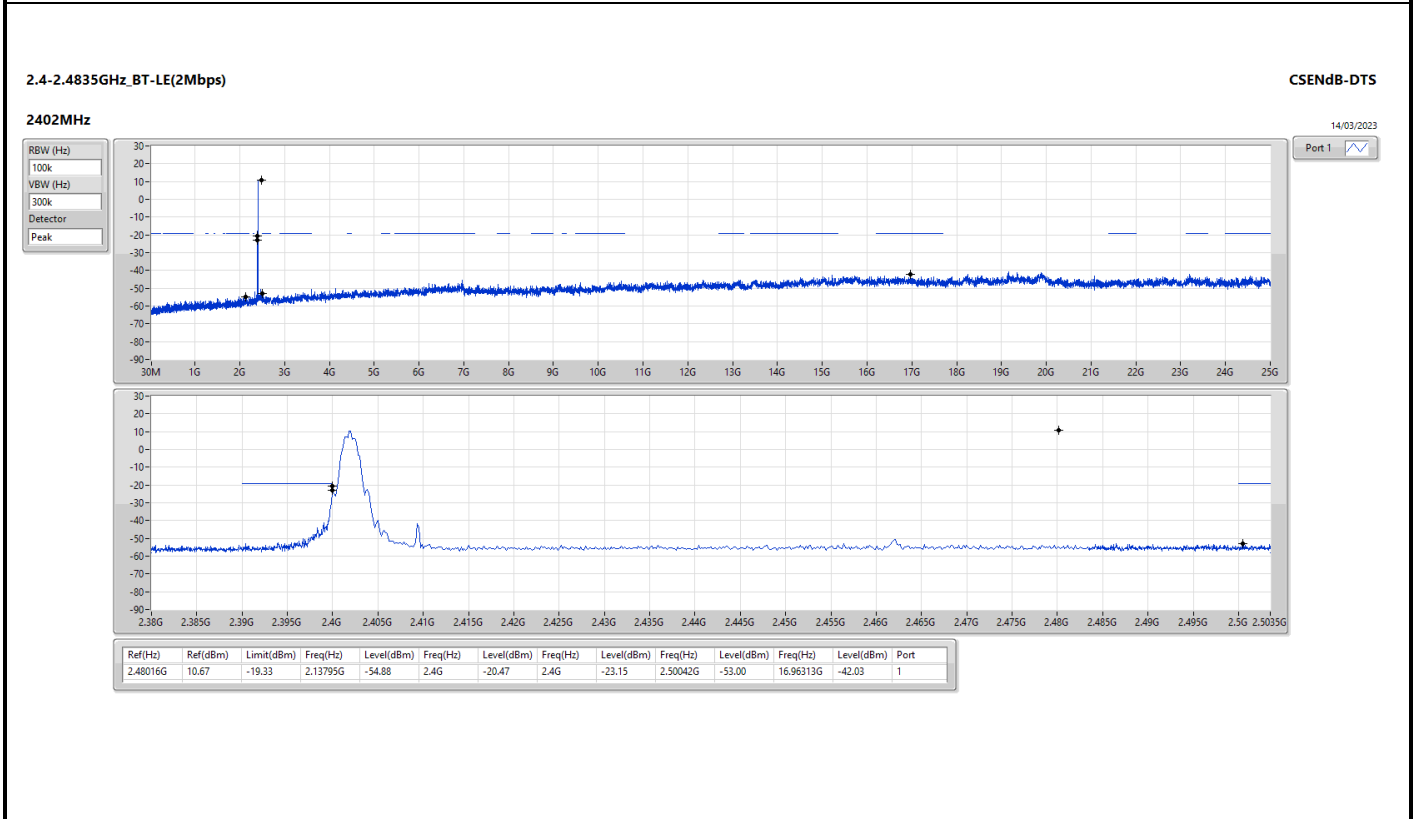
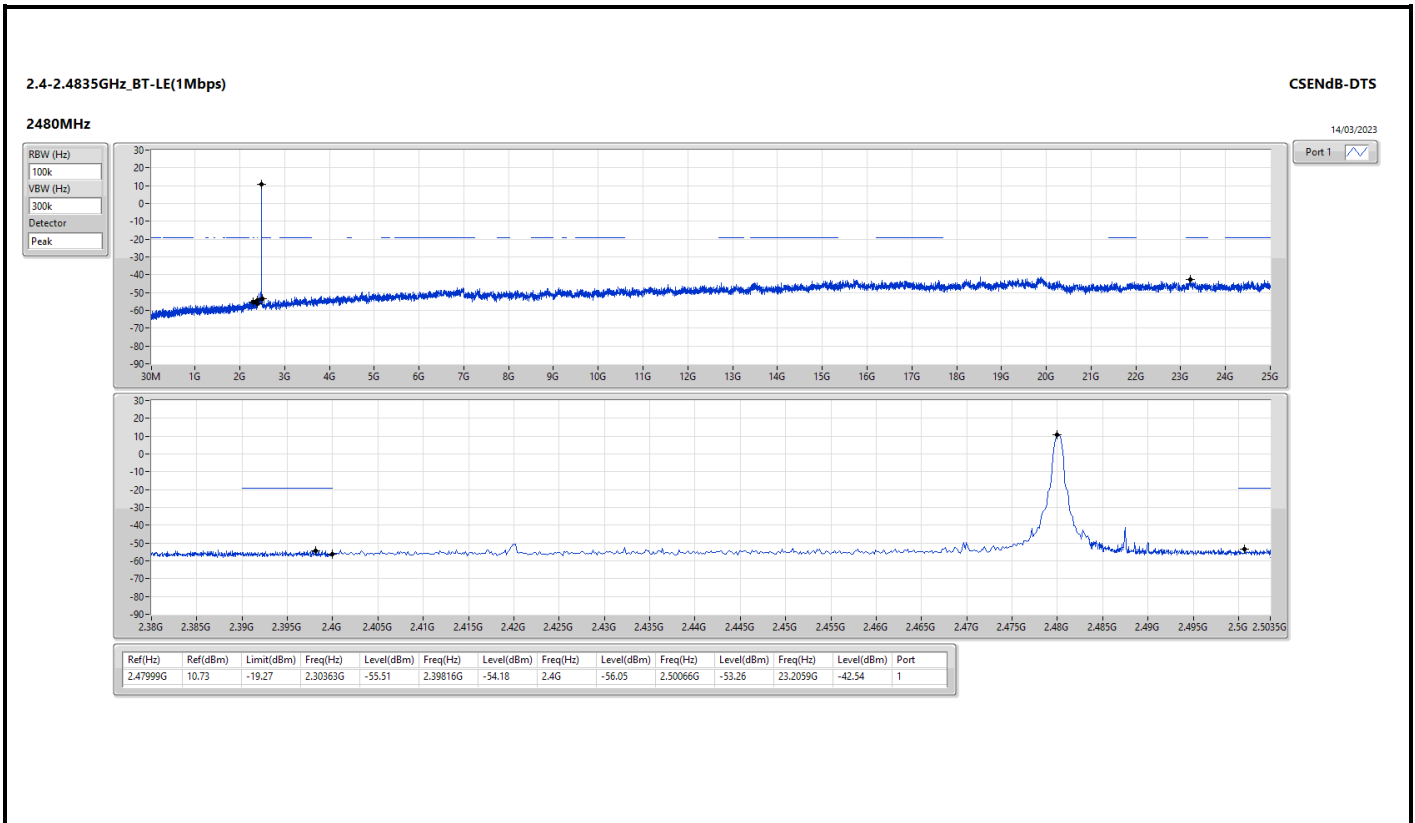
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	2.47999G	10.73	-19.27	2.11563G	-54.34	2.4G	-33.89	2.4G	-34.26	2.50086G	-53.37	16.27979G	-42.67	1
BT-LE(2Mbps)	Pass	2.48016G	10.67	-19.33	2.13795G	-54.88	2.4G	-20.47	2.4G	-23.15	2.50042G	-53.00	16.96313G	-42.03	1

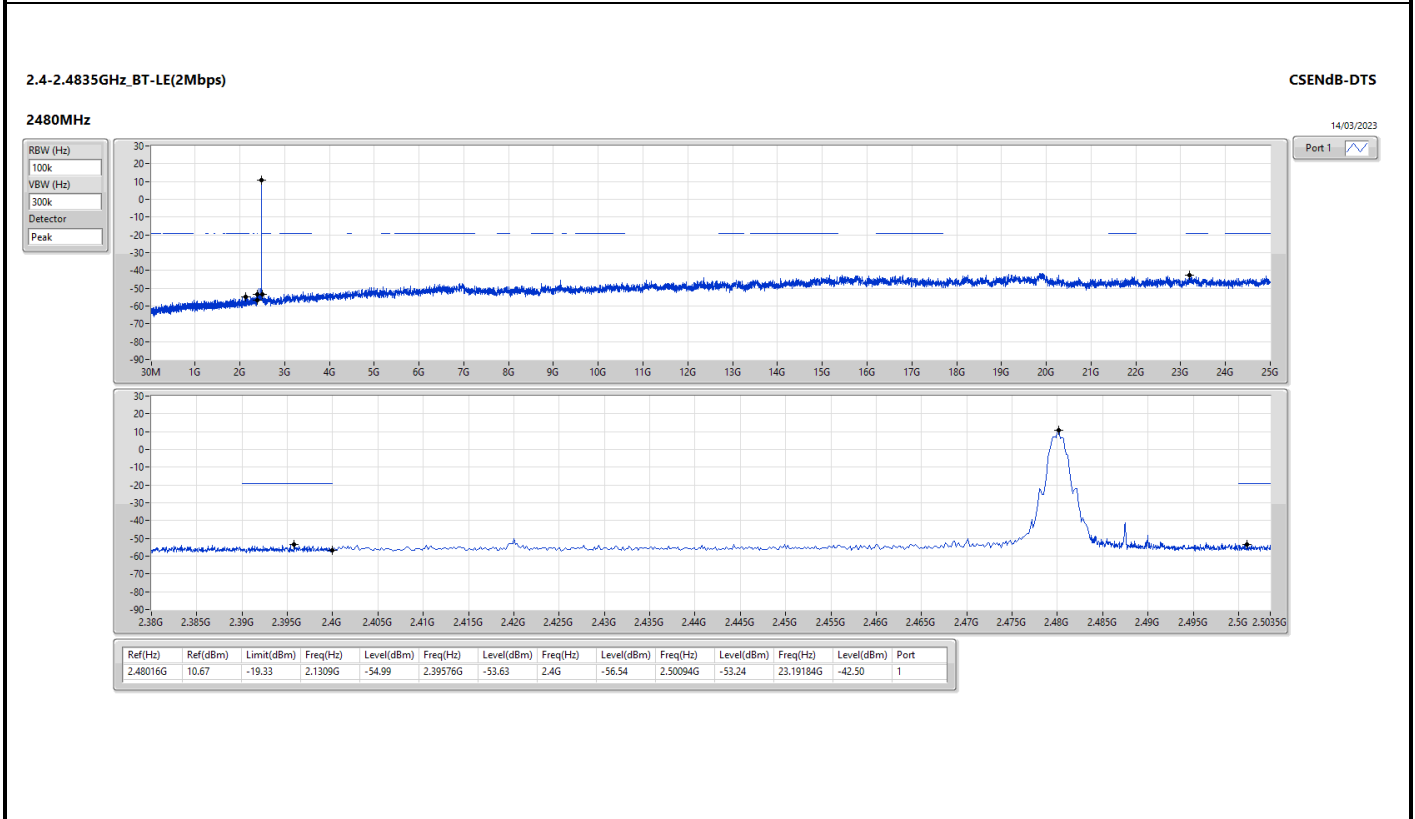
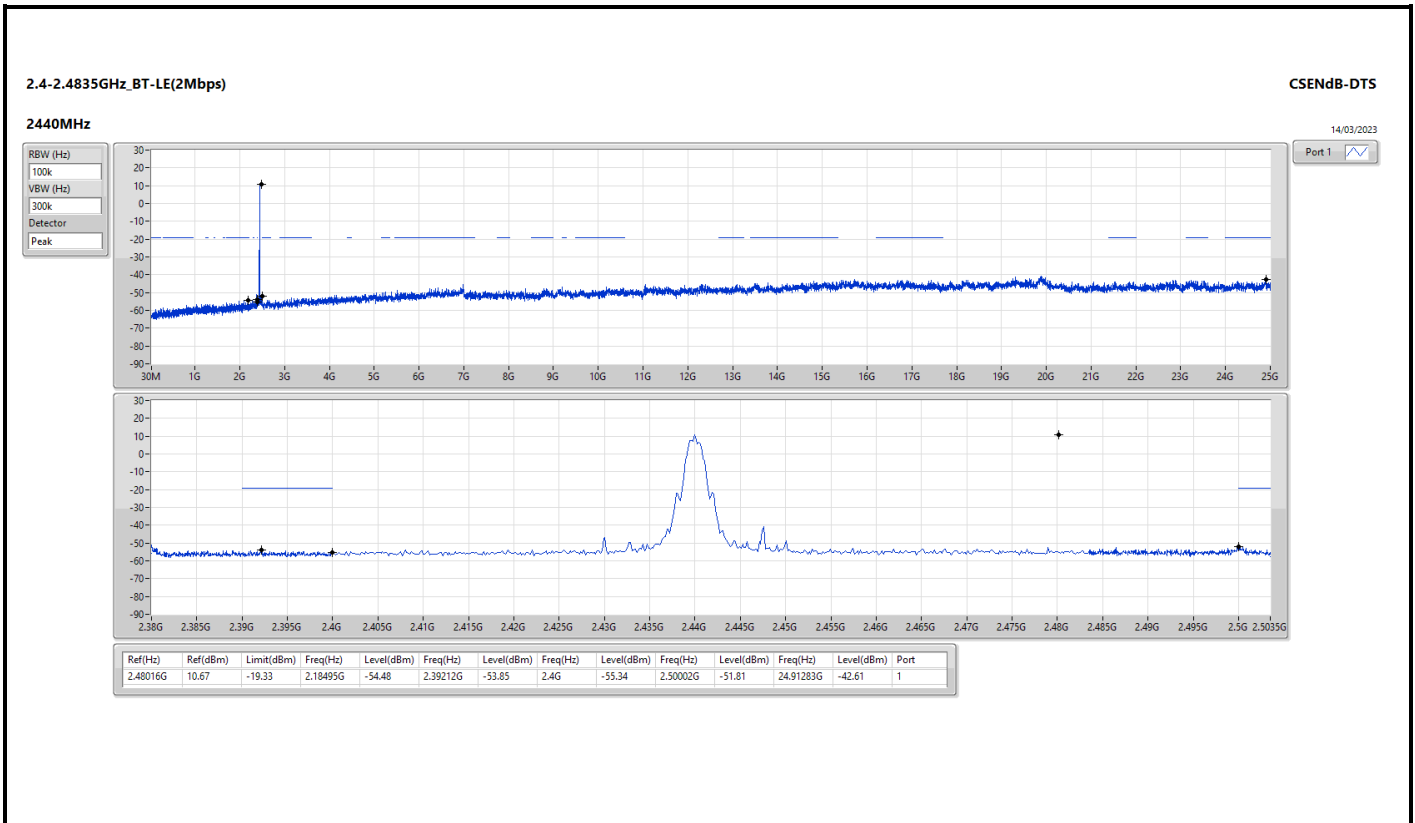


Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.47999G	10.73	-19.27	2.11563G	-54.34	2.4G	-33.89	2.4G	-34.26	2.50086G	-53.37	16.27979G	-42.67	1
2440MHz	Pass	2.47999G	10.73	-19.27	2.11915G	-54.24	2.39316G	-52.40	2.4G	-56.46	2.50002G	-51.42	15.07342G	-42.33	1
2480MHz	Pass	2.47999G	10.73	-19.27	2.30363G	-55.51	2.39816G	-54.18	2.4G	-56.05	2.50066G	-53.26	23.2059G	-42.54	1
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.48016G	10.67	-19.33	2.13795G	-54.88	2.4G	-20.47	2.4G	-23.15	2.50042G	-53.00	16.96313G	-42.03	1
2440MHz	Pass	2.48016G	10.67	-19.33	2.18495G	-54.48	2.39212G	-53.85	2.4G	-55.34	2.50002G	-51.81	24.91283G	-42.61	1
2480MHz	Pass	2.48016G	10.67	-19.33	2.1309G	-54.99	2.39576G	-53.63	2.4G	-56.54	2.50094G	-53.24	23.19184G	-42.50	1







Note: Trace mode Max Hold.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	47.46M	33.64	40.00	-6.36	3	Vertical	0	1.00



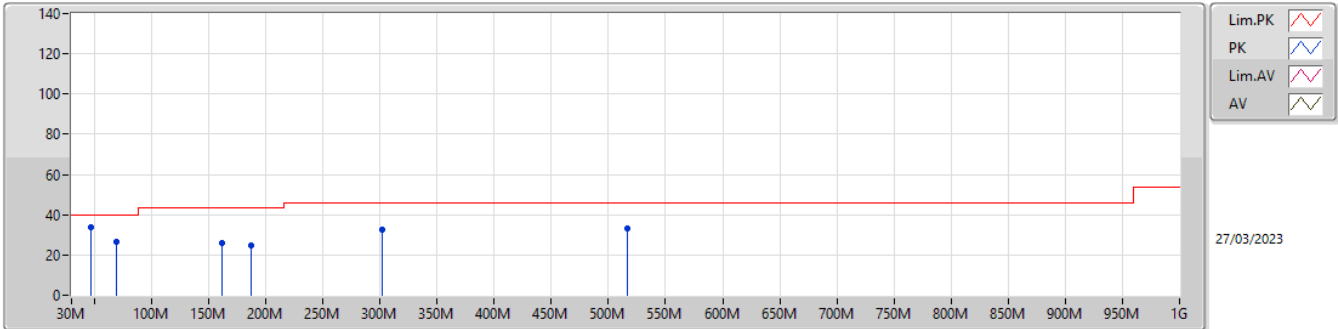


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	PK	47.46M	33.64	40.00	-6.36	-11.87	3	Vertical	0	1.00
2480MHz	Pass	PK	68.8M	26.48	40.00	-13.52	-14.99	3	Vertical	0	1.00
2480MHz	Pass	PK	161.92M	26.10	43.50	-17.40	-10.79	3	Vertical	0	1.00
2480MHz	Pass	PK	187.14M	24.86	43.50	-18.64	-11.25	3	Vertical	0	1.00
2480MHz	Pass	PK	301.6M	32.65	46.00	-13.35	-6.25	3	Vertical	0	1.00
2480MHz	Pass	PK	516.94M	32.92	46.00	-13.08	-2.43	3	Vertical	0	1.00
2480MHz	Pass	PK	30M	33.31	40.00	-6.69	-2.80	3	Horizontal	360	1.00
2480MHz	Pass	PK	132.82M	24.94	43.50	-18.56	-9.23	3	Horizontal	360	1.00
2480MHz	Pass	PK	161.92M	27.81	43.50	-15.69	-10.79	3	Horizontal	360	1.00
2480MHz	Pass	PK	185.2M	28.24	43.50	-15.26	-11.24	3	Horizontal	360	1.00
2480MHz	Pass	PK	303.54M	34.98	46.00	-11.02	-6.18	3	Horizontal	360	1.00
2480MHz	Pass	PK	491.72M	28.96	46.00	-17.04	-2.37	3	Horizontal	360	1.00

2.4-2.4835GHz\_BT-LE(2Mbps)

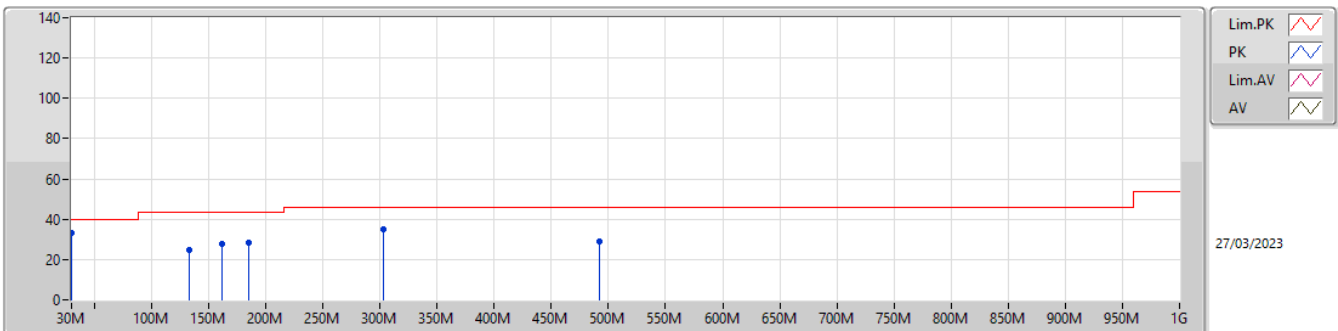
2480MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	33.64	40.00	-6.36	-11.87	3	Vertical	0	1.00	45.51	14.39	1.03	27.29
PK	68.8M	26.48	40.00	-13.52	-14.99	3	Vertical	0	1.00	41.47	11.59	1.20	27.78
PK	161.92M	26.10	43.50	-17.40	-10.79	3	Vertical	0	1.00	36.89	15.04	1.79	27.62
PK	187.14M	24.86	43.50	-18.64	-11.25	3	Vertical	0	1.00	36.11	14.26	1.96	27.47
PK	301.6M	32.65	46.00	-13.35	-6.25	3	Vertical	0	1.00	38.90	18.43	2.52	27.20
PK	516.94M	32.92	46.00	-13.08	-2.43	3	Vertical	0	1.00	35.35	22.67	3.34	28.44

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	33.31	40.00	-6.69	-2.80	3	Horizontal	360	1.00	36.11	23.14	1.02	26.96
PK	132.82M	24.94	43.50	-18.56	-9.23	3	Horizontal	360	1.00	34.17	16.89	1.62	27.74
PK	161.92M	27.81	43.50	-15.69	-10.79	3	Horizontal	360	1.00	38.60	15.04	1.79	27.62
PK	185.2M	28.24	43.50	-15.26	-11.24	3	Horizontal	360	1.00	39.48	14.29	1.95	27.48
PK	303.54M	34.98	46.00	-11.02	-6.18	3	Horizontal	360	1.00	41.16	18.51	2.52	27.21
PK	491.72M	28.96	46.00	-17.04	-2.37	3	Horizontal	360	1.00	31.33	22.69	3.27	28.33



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
BT-LE(2Mbps)	Pass	PK	51.34M	30.12	40.00	-9.88	3	Vertical	360	1.00

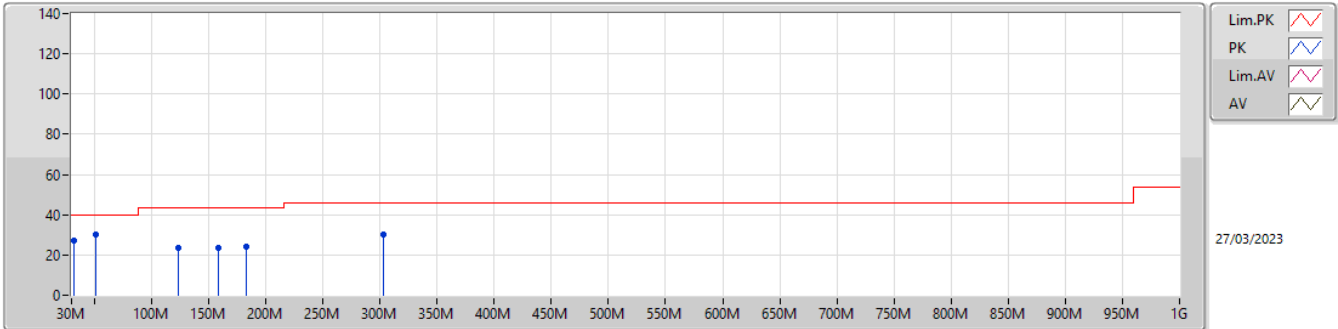


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-	-
2480MHz	Pass	PK	31.94M	27.09	40.00	-12.91	-3.75	3	Vertical	360	1.00
2480MHz	Pass	PK	51.34M	30.12	40.00	-9.88	-13.47	3	Vertical	360	1.00
2480MHz	Pass	PK	123.12M	23.64	43.50	-19.86	-8.86	3	Vertical	360	1.00
2480MHz	Pass	PK	158.04M	23.32	43.50	-20.18	-10.56	3	Vertical	360	1.00
2480MHz	Pass	PK	183.26M	24.26	43.50	-19.24	-11.18	3	Vertical	360	1.00
2480MHz	Pass	PK	303.54M	30.37	46.00	-15.63	-6.18	3	Vertical	360	1.00
2480MHz	Pass	PK	31.94M	29.70	40.00	-10.30	-3.75	3	Horizontal	0	1.00
2480MHz	Pass	PK	41.64M	24.02	40.00	-15.98	-8.86	3	Horizontal	0	1.00
2480MHz	Pass	PK	49.4M	23.05	40.00	-16.95	-12.59	3	Horizontal	0	1.00
2480MHz	Pass	PK	161.92M	28.31	43.50	-15.19	-10.79	3	Horizontal	0	1.00
2480MHz	Pass	PK	299.66M	32.11	46.00	-13.89	-6.33	3	Horizontal	0	1.00
2480MHz	Pass	PK	352.04M	23.27	46.00	-22.73	-5.14	3	Horizontal	0	1.00

2.4-2.4835GHz\_BT-LE(2Mbps)

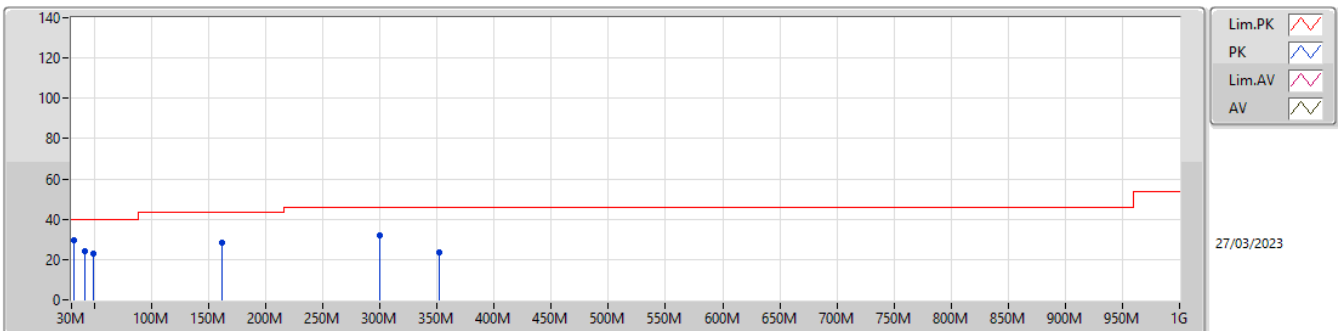
2480MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	27.09	40.00	-12.91	-3.75	3	Vertical	360	1.00	30.84	22.06	1.02	26.83
PK	51.34M	30.12	40.00	-9.88	-13.47	3	Vertical	360	1.00	43.59	12.94	1.05	27.46
PK	123.12M	23.64	43.50	-19.86	-8.86	3	Vertical	360	1.00	32.50	17.34	1.56	27.76
PK	158.04M	23.32	43.50	-20.18	-10.56	3	Vertical	360	1.00	33.88	15.31	1.77	27.64
PK	183.26M	24.26	43.50	-19.24	-11.18	3	Vertical	360	1.00	35.44	14.37	1.94	27.49
PK	303.54M	30.37	46.00	-15.63	-6.18	3	Vertical	360	1.00	36.55	18.51	2.52	27.21

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	31.94M	29.70	40.00	-10.30	-3.75	3	Horizontal	0	1.00	33.45	22.06	1.02	26.83
PK	41.64M	24.02	40.00	-15.98	-8.86	3	Horizontal	0	1.00	32.88	17.03	1.03	26.92
PK	49.4M	23.05	40.00	-16.95	-12.59	3	Horizontal	0	1.00	35.64	13.76	1.04	27.39
PK	161.92M	28.31	43.50	-15.19	-10.79	3	Horizontal	0	1.00	39.10	15.04	1.79	27.62
PK	299.66M	32.11	46.00	-13.89	-6.33	3	Horizontal	0	1.00	38.44	18.35	2.51	27.19
PK	352.04M	23.27	46.00	-22.73	-5.14	3	Horizontal	0	1.00	28.41	19.65	2.72	27.51



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
BT-LE(1Mbps)	Pass	AV	2.4835G	47.82	54.00	-6.18	32.14	3	Horizontal	69	1.00
BT-LE(2Mbps)	Pass	AV	2.4874G	51.67	54.00	-2.33	32.16	3	Horizontal	69	1.00



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Height (m)
BT-LE(1Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3736G	45.68	54.00	-8.32	31.63	3	Vertical	2.84
2402MHz	Pass	AV	2.402G	101.77	Inf	-Inf	31.86	3	Vertical	2.84
2402MHz	Pass	PK	2.3764G	57.65	74.00	-16.35	31.65	3	Vertical	2.84
2402MHz	Pass	PK	2.402G	102.92	Inf	-Inf	31.86	3	Vertical	2.84
2402MHz	Pass	AV	2.3866G	45.46	54.00	-8.54	31.74	3	Horizontal	1.36
2402MHz	Pass	AV	2.402G	103.89	Inf	-Inf	31.86	3	Horizontal	1.36
2402MHz	Pass	PK	2.3526G	58.46	74.00	-15.54	31.44	3	Horizontal	1.36
2402MHz	Pass	PK	2.402G	105.02	Inf	-Inf	31.86	3	Horizontal	1.36
2402MHz	Pass	PK	4.80394G	42.42	74.00	-31.58	4.19	3	Vertical	2.04
2402MHz	Pass	AV	4.80446G	29.19	54.00	-24.81	4.20	3	Vertical	2.04
2402MHz	Pass	PK	4.80409G	41.94	74.00	-32.06	4.19	3	Horizontal	1.01
2402MHz	Pass	AV	4.80352G	29.34	54.00	-24.66	4.19	3	Horizontal	1.01
2440MHz	Pass	AV	2.344G	45.54	54.00	-8.46	31.41	3	Vertical	3.00
2440MHz	Pass	AV	2.44G	102.22	Inf	-Inf	31.96	3	Vertical	3.00
2440MHz	Pass	AV	2.5G	46.44	54.00	-7.56	32.22	3	Vertical	3.00
2440MHz	Pass	PK	2.38G	57.60	74.00	-16.40	31.68	3	Vertical	3.00
2440MHz	Pass	PK	2.44G	103.43	Inf	-Inf	31.96	3	Vertical	3.00
2440MHz	Pass	PK	2.49G	57.95	74.00	-16.05	32.17	3	Vertical	3.00
2440MHz	Pass	AV	2.38G	45.65	54.00	-8.35	31.68	3	Horizontal	1.21
2440MHz	Pass	AV	2.44G	105.21	Inf	-Inf	31.96	3	Horizontal	1.21
2440MHz	Pass	AV	2.5G	47.36	54.00	-6.64	32.22	3	Horizontal	1.21
2440MHz	Pass	PK	2.3828G	58.02	74.00	-15.98	31.71	3	Horizontal	1.21
2440MHz	Pass	PK	2.44G	106.39	Inf	-Inf	31.96	3	Horizontal	1.21
2440MHz	Pass	PK	2.4988G	57.35	74.00	-16.65	32.22	3	Horizontal	1.21
2440MHz	Pass	PK	4.88014G	41.51	74.00	-32.49	4.68	3	Vertical	2.76
2440MHz	Pass	AV	4.88014G	29.22	54.00	-24.78	4.68	3	Vertical	2.76
2440MHz	Pass	PK	4.87901G	41.44	74.00	-32.56	4.68	3	Horizontal	1.89
2440MHz	Pass	AV	4.87901G	29.15	54.00	-24.85	4.68	3	Horizontal	1.89
2480MHz	Pass	AV	2.48G	103.21	Inf	-Inf	32.13	3	Vertical	2.67
2480MHz	Pass	AV	2.4876G	46.74	54.00	-7.26	32.16	3	Vertical	2.67
2480MHz	Pass	PK	2.48G	104.36	Inf	-Inf	32.13	3	Vertical	2.67
2480MHz	Pass	PK	2.4876G	60.47	74.00	-13.53	32.16	3	Vertical	2.67
2480MHz	Pass	AV	2.48G	106.25	Inf	-Inf	32.13	3	Horizontal	1.00
2480MHz	Pass	AV	2.4835G	47.82	54.00	-6.18	32.14	3	Horizontal	1.00
2480MHz	Pass	PK	2.48G	107.38	Inf	-Inf	32.13	3	Horizontal	1.00
2480MHz	Pass	PK	2.4874G	60.81	74.00	-13.19	32.16	3	Horizontal	1.00
2480MHz	Pass	PK	4.95964G	42.93	74.00	-31.07	5.18	3	Vertical	1.82
2480MHz	Pass	AV	4.96012G	31.15	54.00	-22.85	5.18	3	Vertical	1.82
2480MHz	Pass	PK	4.96022G	43.31	74.00	-30.69	5.18	3	Horizontal	2.55
2480MHz	Pass	AV	4.96026G	30.91	54.00	-23.09	5.18	3	Horizontal	2.55
BT-LE(2Mbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3632G	47.32	54.00	-6.68	31.54	3	Vertical	2.82
2402MHz	Pass	AV	2.402G	99.88	Inf	-Inf	31.86	3	Vertical	2.82
2402MHz	Pass	PK	2.3548G	57.70	74.00	-16.30	31.46	3	Vertical	2.82
2402MHz	Pass	PK	2.402G	102.21	Inf	-Inf	31.86	3	Vertical	2.82
2402MHz	Pass	AV	2.3832G	47.04	54.00	-6.96	31.72	3	Horizontal	1.40
2402MHz	Pass	AV	2.4018G	101.69	Inf	-Inf	31.86	3	Horizontal	1.40
2402MHz	Pass	PK	2.3566G	57.91	74.00	-16.09	31.47	3	Horizontal	1.40
2402MHz	Pass	PK	2.402G	104.11	Inf	-Inf	31.86	3	Horizontal	1.40
2402MHz	Pass	AV	4.80425G	30.71	54.00	-23.29	4.20	3	Vertical	1.24
2402MHz	Pass	PK	4.80432G	41.30	74.00	-32.70	4.20	3	Vertical	1.24
2402MHz	Pass	AV	4.80415G	31.52	54.00	-22.48	4.19	3	Horizontal	1.23
2402MHz	Pass	PK	4.80415G	42.18	74.00	-31.82	4.19	3	Horizontal	1.23
2440MHz	Pass	AV	2.3452G	46.82	54.00	-7.18	31.41	3	Vertical	2.80
2440MHz	Pass	AV	2.44G	100.74	Inf	-Inf	31.96	3	Vertical	2.80
2440MHz	Pass	AV	2.4884G	47.61	54.00	-6.39	32.16	3	Vertical	2.80
2440MHz	Pass	PK	2.3848G	57.55	74.00	-16.45	31.73	3	Vertical	2.80
2440MHz	Pass	PK	2.4396G	103.22	Inf	-Inf	31.96	3	Vertical	2.80
2440MHz	Pass	PK	2.4996G	58.25	74.00	-15.75	32.22	3	Vertical	2.80
2440MHz	Pass	AV	2.3528G	46.94	54.00	-7.06	31.44	3	Horizontal	1.54

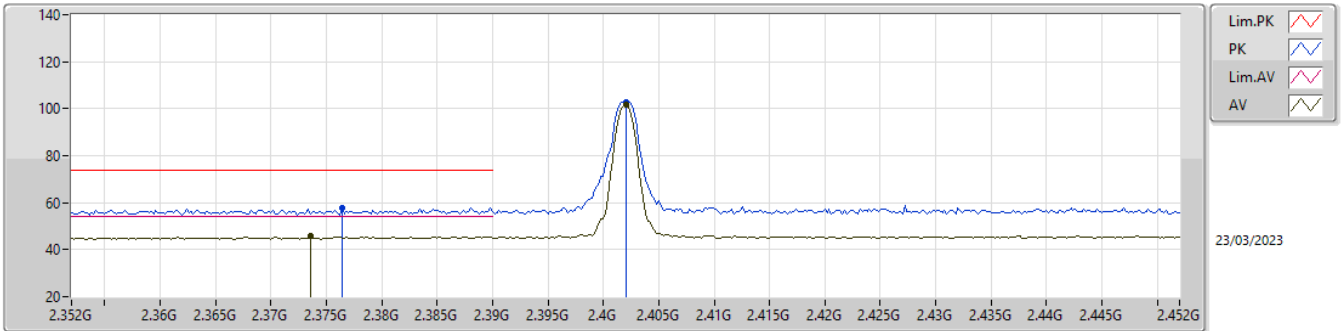


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Height (m)
2440MHz	Pass	AV	2.44G	103.46	Inf	-Inf	31.96	3	Horizontal	1.54
2440MHz	Pass	AV	2.5G	47.62	54.00	-6.38	32.22	3	Horizontal	1.54
2440MHz	Pass	PK	2.3732G	57.93	74.00	-16.07	31.63	3	Horizontal	1.54
2440MHz	Pass	PK	2.44G	105.80	Inf	-Inf	31.96	3	Horizontal	1.54
2440MHz	Pass	PK	2.4956G	57.98	74.00	-16.02	32.20	3	Horizontal	1.54
2440MHz	Pass	AV	4.88056G	31.36	54.00	-22.64	4.68	3	Vertical	1.50
2440MHz	Pass	PK	4.88056G	42.23	74.00	-31.77	4.68	3	Vertical	1.50
2440MHz	Pass	PK	4.88087G	42.36	74.00	-31.64	4.68	3	Horizontal	1.51
2440MHz	Pass	AV	4.88087G	32.52	54.00	-21.48	4.68	3	Horizontal	1.51
2480MHz	Pass	AV	2.48G	101.68	Inf	-Inf	32.13	3	Vertical	2.65
2480MHz	Pass	AV	2.4874G	49.64	54.00	-4.36	32.16	3	Vertical	2.65
2480MHz	Pass	PK	2.48G	104.09	Inf	-Inf	32.13	3	Vertical	2.65
2480MHz	Pass	PK	2.4838G	59.21	74.00	-14.79	32.15	3	Vertical	2.65
2480MHz	Pass	AV	2.48G	104.98	Inf	-Inf	32.13	3	Horizontal	1.00
2480MHz	Pass	AV	2.4874G	51.67	54.00	-2.33	32.16	3	Horizontal	1.00
2480MHz	Pass	PK	2.48G	107.38	Inf	-Inf	32.13	3	Horizontal	1.00
2480MHz	Pass	PK	2.4835G	61.22	74.00	-12.78	32.14	3	Horizontal	1.00
2480MHz	Pass	AV	4.95919G	33.43	54.00	-20.57	5.18	3	Vertical	2.83
2480MHz	Pass	PK	4.95919G	43.67	74.00	-30.33	5.18	3	Vertical	2.83
2480MHz	Pass	AV	4.96067G	36.18	54.00	-17.82	5.18	3	Horizontal	2.55
2480MHz	Pass	PK	4.96067G	45.38	74.00	-28.62	5.18	3	Horizontal	2.55



2.4-2.4835GHz\_BT-LE(1Mbps)

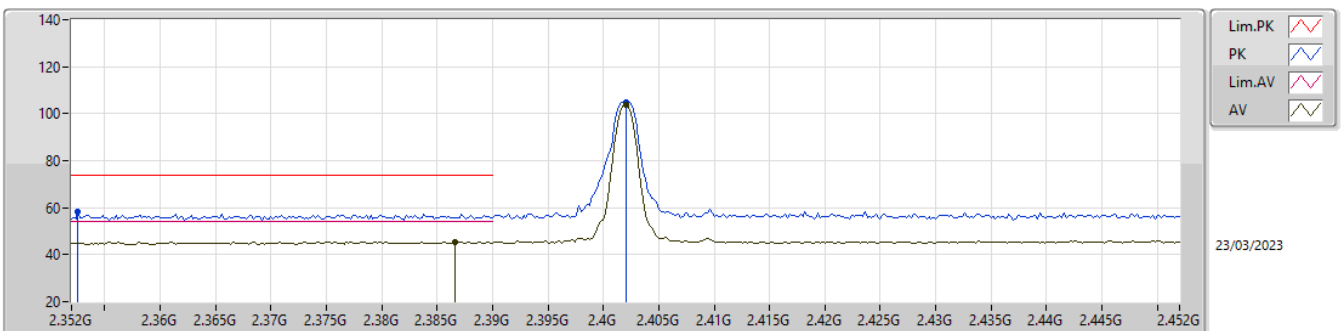
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3736G	45.68	54.00	-8.32	31.63	3	Vertical	95	2.84	14.05	27.39	4.24	-
AV	2.402G	101.77	Inf	-Inf	31.86	3	Vertical	95	2.84	69.91	27.60	4.26	-
PK	2.3764G	57.65	74.00	-16.35	31.65	3	Vertical	95	2.84	26.00	27.41	4.24	-
PK	2.402G	102.92	Inf	-Inf	31.86	3	Vertical	95	2.84	71.06	27.60	4.26	-

2.4-2.4835GHz\_BT-LE(1Mbps)

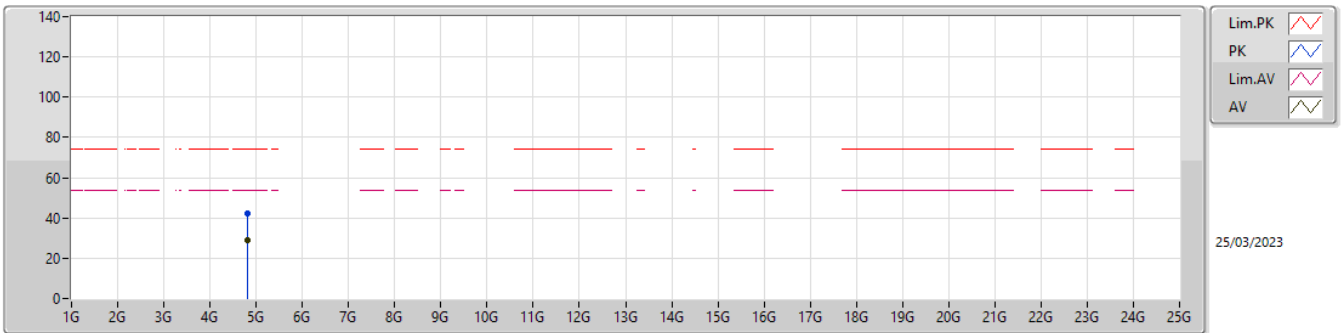
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3866G	45.46	54.00	-8.54	31.74	3	Horizontal	65	1.36	13.72	27.49	4.25	-
AV	2.402G	103.89	Inf	-Inf	31.86	3	Horizontal	65	1.36	72.03	27.60	4.26	-
PK	2.3526G	58.46	74.00	-15.54	31.44	3	Horizontal	65	1.36	27.02	27.22	4.22	-
PK	2.402G	105.02	Inf	-Inf	31.86	3	Horizontal	65	1.36	73.16	27.60	4.26	-

2.4-2.4835GHz\_BT-LE(1Mbps)

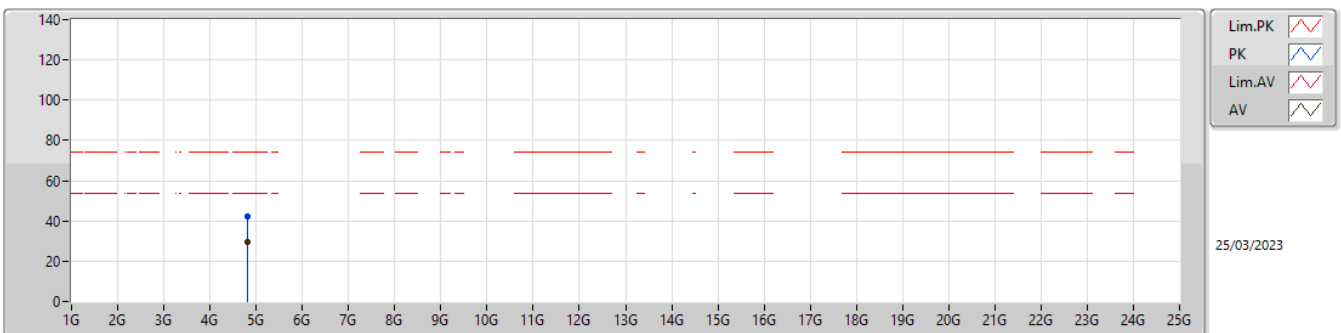
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.80394G	42.42	74.00	-31.58	4.19	3	Vertical	267	2.04	38.23	32.22	6.16	34.19
AV	4.80446G	29.19	54.00	-24.81	4.20	3	Vertical	267	2.04	24.99	32.23	6.16	34.19

2.4-2.4835GHz\_BT-LE(1Mbps)

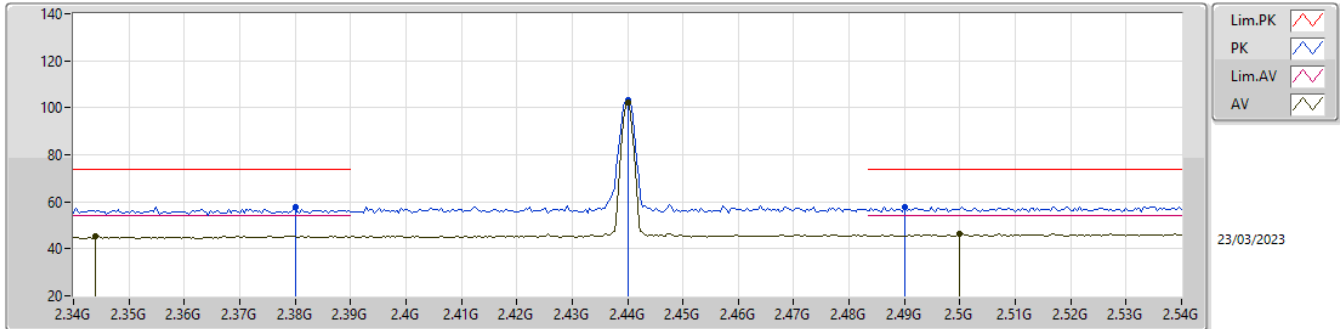
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.80409G	41.94	74.00	-32.06	4.19	3	Horizontal	185	1.01	37.75	32.22	6.16	34.19
AV	4.80352G	29.34	54.00	-24.66	4.19	3	Horizontal	185	1.01	25.15	32.22	6.16	34.19

2.4-2.4835GHz\_BT-LE(1Mbps)

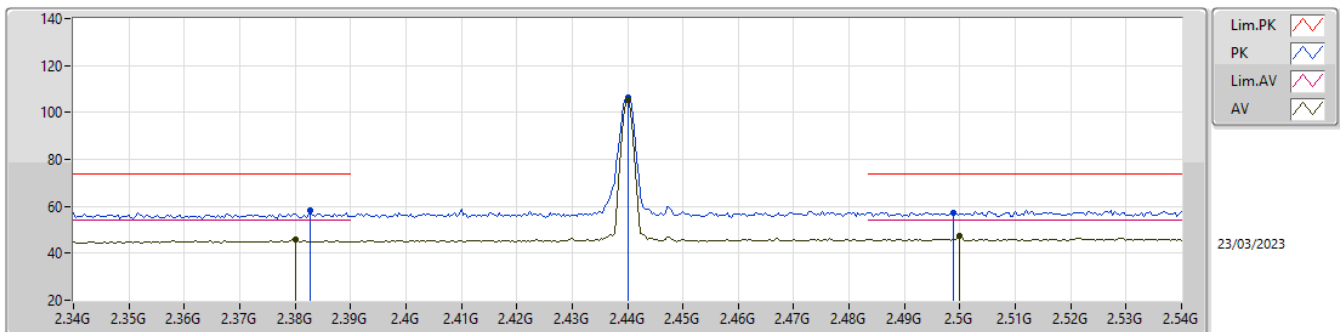
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.344G	45.54	54.00	-8.46	31.41	3	Vertical	92	3.00	14.13	27.20	4.21	-
AV	2.44G	102.22	Inf	-Inf	31.96	3	Vertical	92	3.00	70.26	27.68	4.28	-
AV	2.5G	46.44	54.00	-7.56	32.22	3	Vertical	92	3.00	14.22	27.90	4.32	-
PK	2.38G	57.60	74.00	-16.40	31.68	3	Vertical	92	3.00	25.92	27.44	4.24	-
PK	2.44G	103.43	Inf	-Inf	31.96	3	Vertical	92	3.00	71.47	27.68	4.28	-
PK	2.49G	57.95	74.00	-16.05	32.17	3	Vertical	92	3.00	25.78	27.86	4.31	-

2.4-2.4835GHz\_BT-LE(1Mbps)

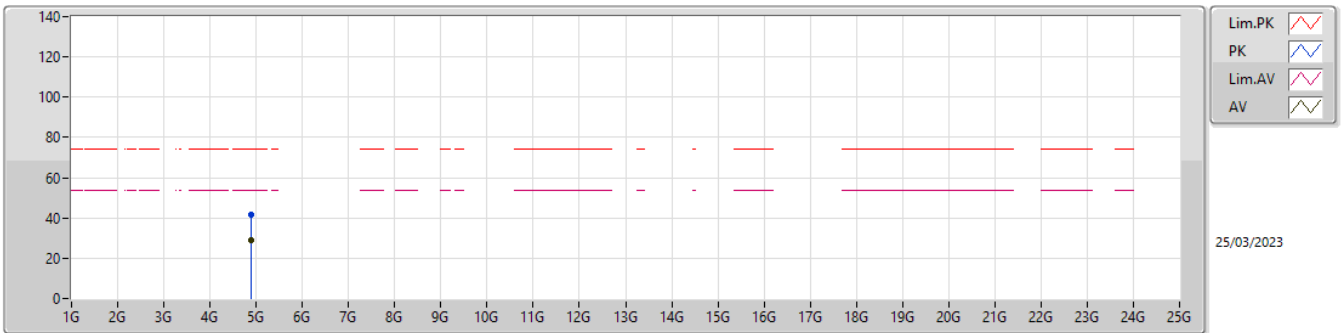
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.38G	45.65	54.00	-8.35	31.68	3	Horizontal	69	1.21	13.97	27.44	4.24	-
AV	2.44G	105.21	Inf	-Inf	31.96	3	Horizontal	69	1.21	73.25	27.68	4.28	-
AV	2.5G	47.36	54.00	-6.64	32.22	3	Horizontal	69	1.21	15.14	27.90	4.32	-
PK	2.3828G	58.02	74.00	-15.98	31.71	3	Horizontal	69	1.21	26.31	27.46	4.25	-
PK	2.44G	106.39	Inf	-Inf	31.96	3	Horizontal	69	1.21	74.43	27.68	4.28	-
PK	2.4988G	57.35	74.00	-16.65	32.22	3	Horizontal	69	1.21	25.13	27.90	4.32	-

2.4-2.4835GHz\_BT-LE(1Mbps)

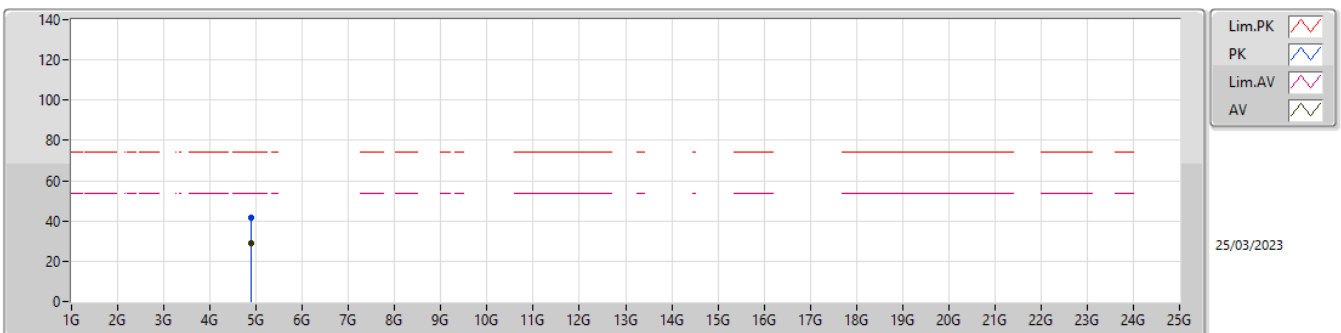
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.88014G	41.51	74.00	-32.49	4.68	3	Vertical	8	2.76	36.83	32.62	6.22	34.16
AV	4.88014G	29.22	54.00	-24.78	4.68	3	Vertical	8	2.76	24.54	32.62	6.22	34.16

2.4-2.4835GHz\_BT-LE(1Mbps)

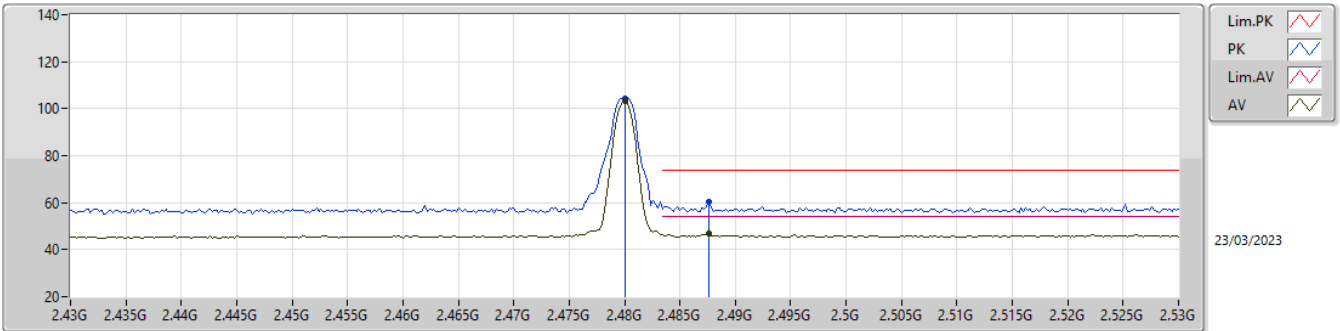
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.87901G	41.44	74.00	-32.56	4.68	3	Horizontal	163	1.89	36.76	32.62	6.22	34.16
AV	4.87901G	29.15	54.00	-24.85	4.68	3	Horizontal	163	1.89	24.47	32.62	6.22	34.16

2.4-2.4835GHz\_BT-LE(1Mbps)

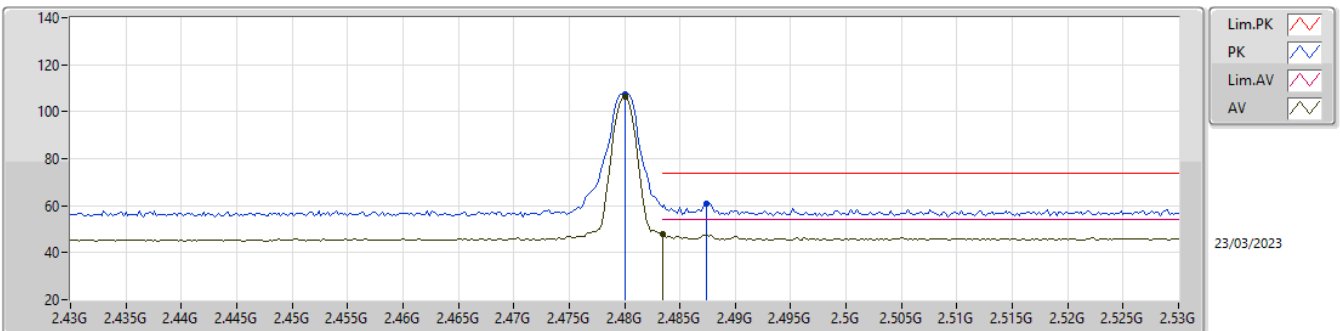
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	103.21	Inf	-Inf	32.13	3	Vertical	94	2.67	71.08	27.82	4.31	-
AV	2.4876G	46.74	54.00	-7.26	32.16	3	Vertical	94	2.67	14.58	27.85	4.31	-
PK	2.48G	104.36	Inf	-Inf	32.13	3	Vertical	94	2.67	72.23	27.82	4.31	-
PK	2.4876G	60.47	74.00	-13.53	32.16	3	Vertical	94	2.67	28.31	27.85	4.31	-

2.4-2.4835GHz\_BT-LE(1Mbps)

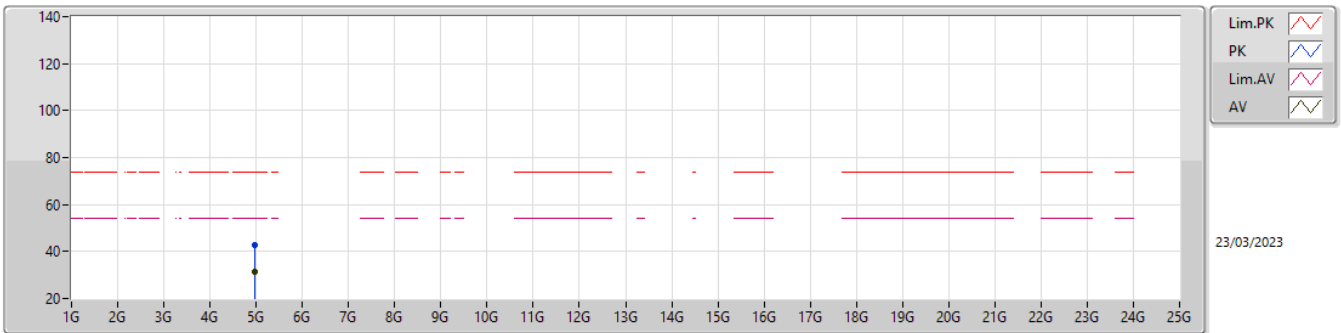
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	106.25	Inf	-Inf	32.13	3	Horizontal	69	1.00	74.12	27.82	4.31	-
AV	2.4835G	47.82	54.00	-6.18	32.14	3	Horizontal	69	1.00	15.68	27.83	4.31	-
PK	2.48G	107.38	Inf	-Inf	32.13	3	Horizontal	69	1.00	75.25	27.82	4.31	-
PK	2.4874G	60.81	74.00	-13.19	32.16	3	Horizontal	69	1.00	28.65	27.85	4.31	-

2.4-2.4835GHz\_BT-LE(1Mbps)

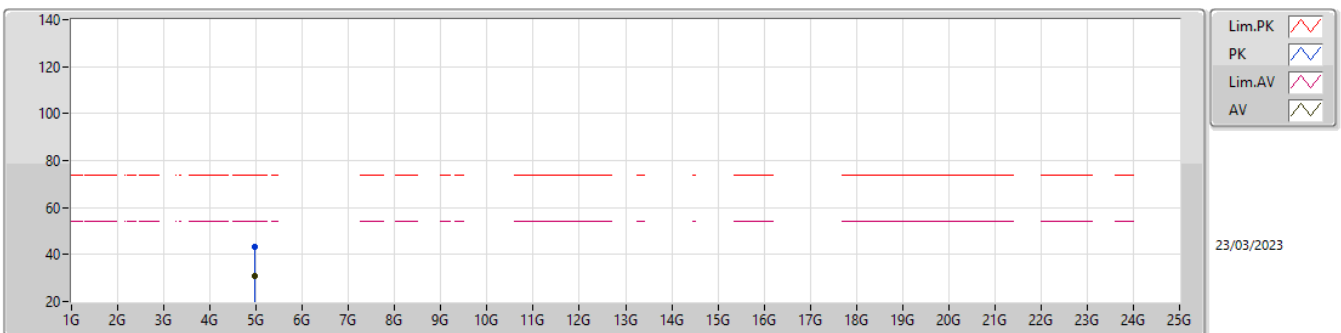
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.95964G	42.93	74.00	-31.07	5.18	3	Vertical	258	1.82	37.75	33.04	6.27	34.13
AV	4.96012G	31.15	54.00	-22.85	5.18	3	Vertical	258	1.82	25.97	33.04	6.27	34.13

2.4-2.4835GHz\_BT-LE(1Mbps)

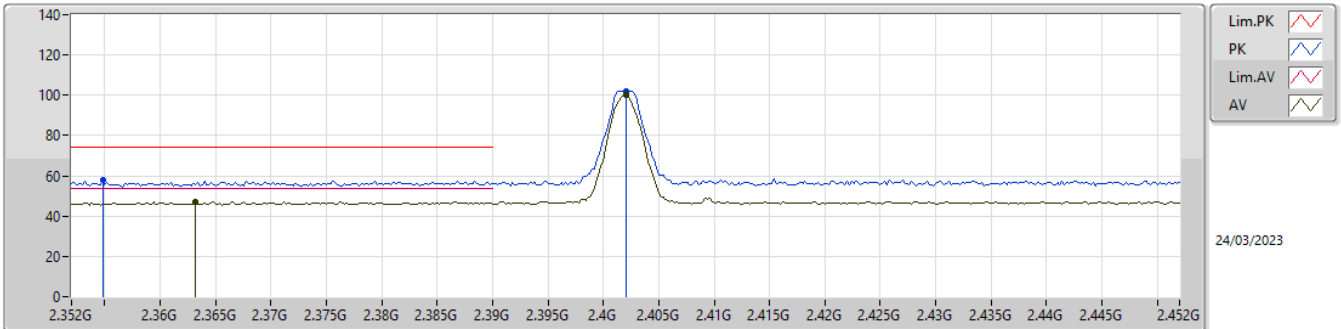
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.96022G	43.31	74.00	-30.69	5.18	3	Horizontal	299	2.55	38.13	33.04	6.27	34.13
AV	4.96026G	30.91	54.00	-23.09	5.18	3	Horizontal	299	2.55	25.73	33.04	6.27	34.13

2.4-2.4835GHz\_BT-LE(2Mbps)

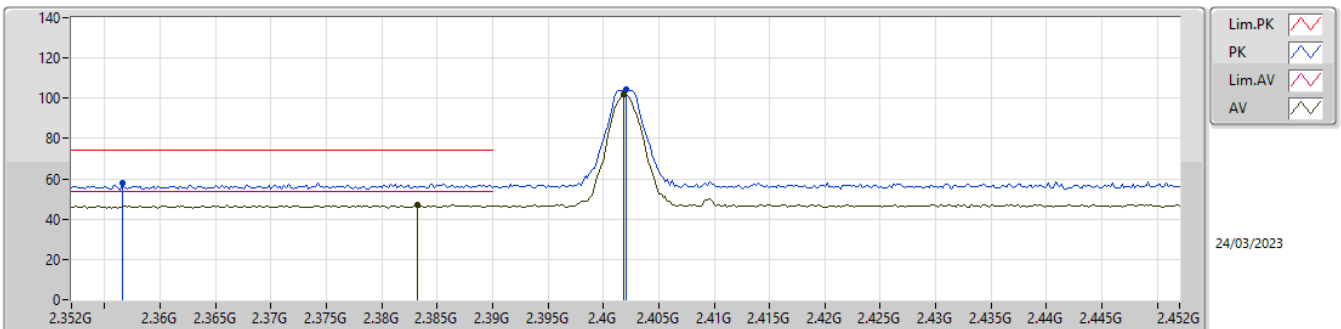
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3632G	47.32	54.00	-6.68	31.54	3	Vertical	96	2.82	15.78	27.31	4.23	-
AV	2.402G	99.88	Inf	-Inf	31.86	3	Vertical	96	2.82	68.02	27.60	4.26	-
PK	2.3548G	57.70	74.00	-16.30	31.46	3	Vertical	96	2.82	26.24	27.24	4.22	-
PK	2.402G	102.21	Inf	-Inf	31.86	3	Vertical	96	2.82	70.35	27.60	4.26	-

2.4-2.4835GHz\_BT-LE(2Mbps)

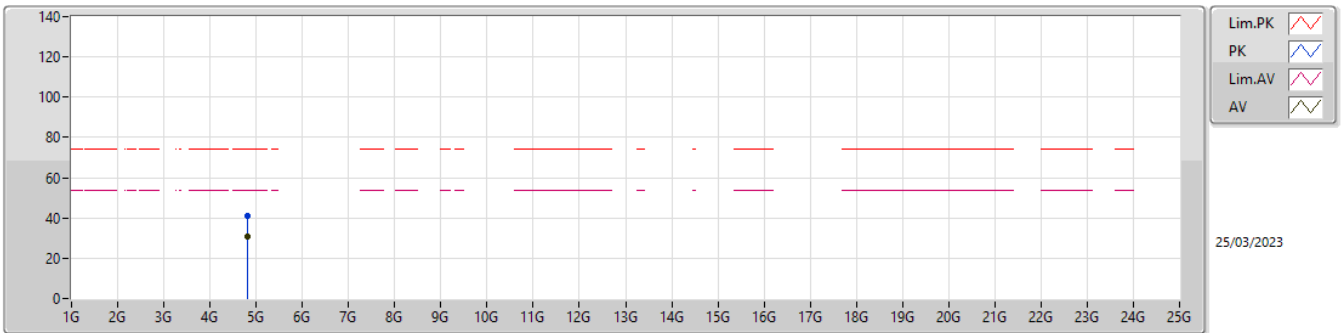
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3832G	47.04	54.00	-6.96	31.72	3	Horizontal	65	1.40	15.32	27.47	4.25	-
AV	2.4018G	101.69	Inf	-Inf	31.86	3	Horizontal	65	1.40	69.83	27.60	4.26	-
PK	2.3566G	57.91	74.00	-16.09	31.47	3	Horizontal	65	1.40	26.44	27.25	4.22	-
PK	2.402G	104.11	Inf	-Inf	31.86	3	Horizontal	65	1.40	72.25	27.60	4.26	-

2.4-2.4835GHz\_BT-LE(2Mbps)

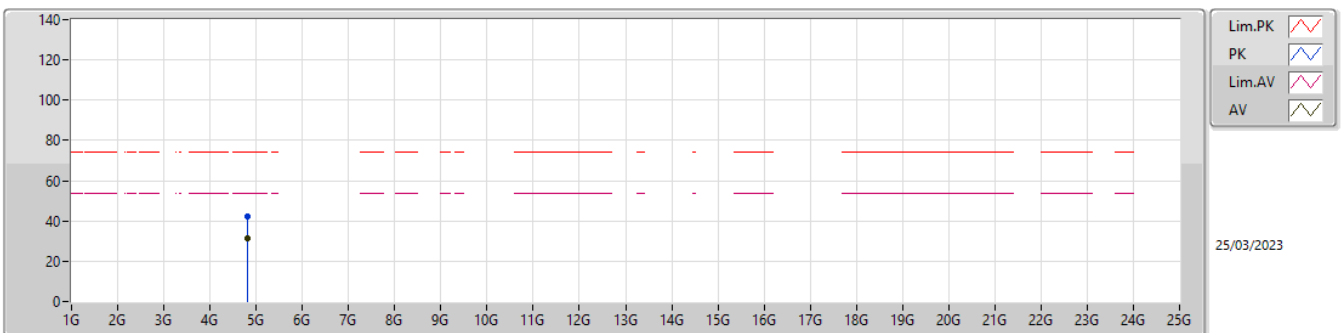
2402MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80425G	30.71	54.00	-23.29	4.20	3	Vertical	125	1.24	26.51	32.23	6.16	34.19
PK	4.80432G	41.30	74.00	-32.70	4.20	3	Vertical	125	1.24	37.10	32.23	6.16	34.19

2.4-2.4835GHz\_BT-LE(2Mbps)

2402MHz\_TX

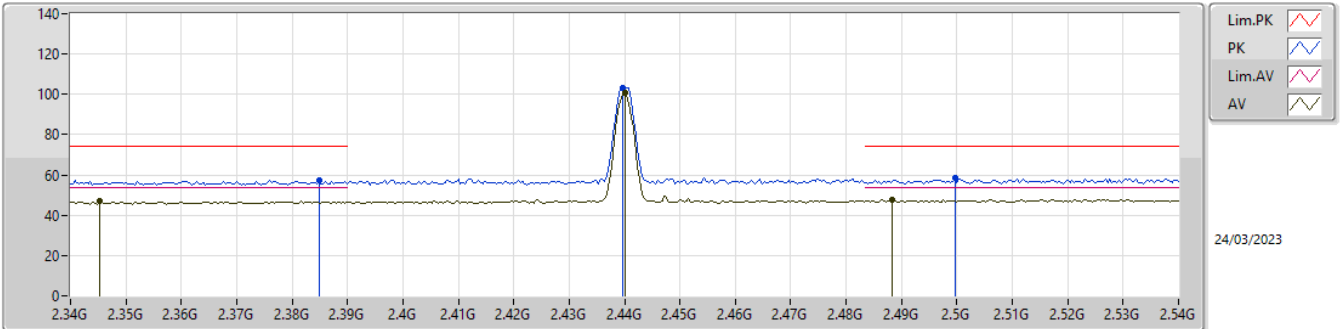


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80415G	31.52	54.00	-22.48	4.19	3	Horizontal	350	1.23	27.33	32.22	6.16	34.19
PK	4.80415G	42.18	74.00	-31.82	4.19	3	Horizontal	350	1.23	37.99	32.22	6.16	34.19



2.4-2.4835GHz\_BT-LE(2Mbps)

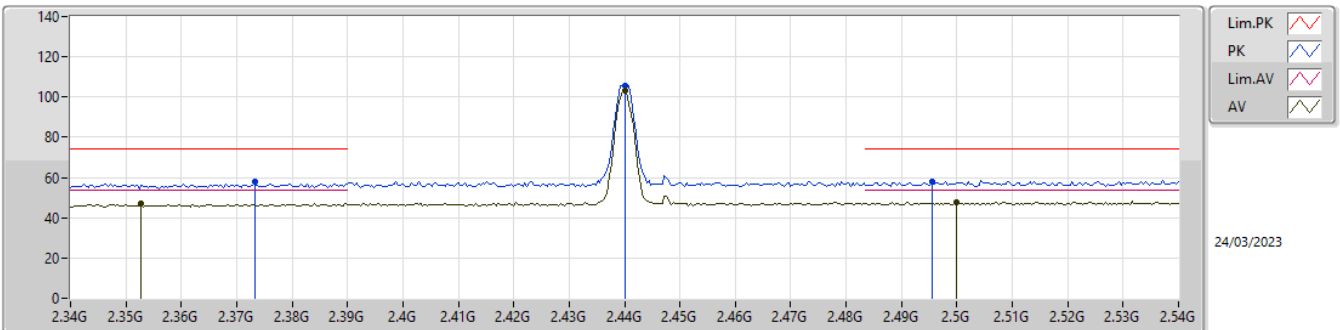
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3452G	46.82	54.00	-7.18	31.41	3	Vertical	96	2.80	15.41	27.20	4.21	-
AV	2.44G	100.74	Inf	-Inf	31.96	3	Vertical	96	2.80	68.78	27.68	4.28	-
AV	2.4884G	47.61	54.00	-6.39	32.16	3	Vertical	96	2.80	15.45	27.85	4.31	-
PK	2.3848G	57.55	74.00	-16.45	31.73	3	Vertical	96	2.80	25.82	27.48	4.25	-
PK	2.4396G	103.22	Inf	-Inf	31.96	3	Vertical	96	2.80	71.26	27.68	4.28	-
PK	2.4996G	58.25	74.00	-15.75	32.22	3	Vertical	96	2.80	26.03	27.90	4.32	-

2.4-2.4835GHz\_BT-LE(2Mbps)

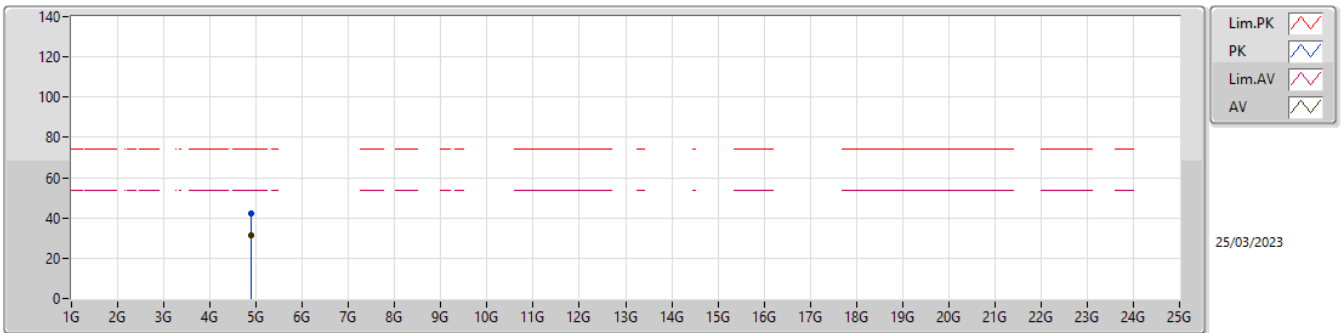
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3528G	46.94	54.00	-7.06	31.44	3	Horizontal	63	1.54	15.50	27.22	4.22	-
AV	2.44G	103.46	Inf	-Inf	31.96	3	Horizontal	63	1.54	71.50	27.68	4.28	-
AV	2.5G	47.62	54.00	-6.38	32.22	3	Horizontal	63	1.54	15.40	27.90	4.32	-
PK	2.3732G	57.93	74.00	-16.07	31.63	3	Horizontal	63	1.54	26.30	27.39	4.24	-
PK	2.44G	105.80	Inf	-Inf	31.96	3	Horizontal	63	1.54	73.84	27.68	4.28	-
PK	2.4956G	57.98	74.00	-16.02	32.20	3	Horizontal	63	1.54	25.78	27.88	4.32	-

2.4-2.4835GHz\_BT-LE(2Mbps)

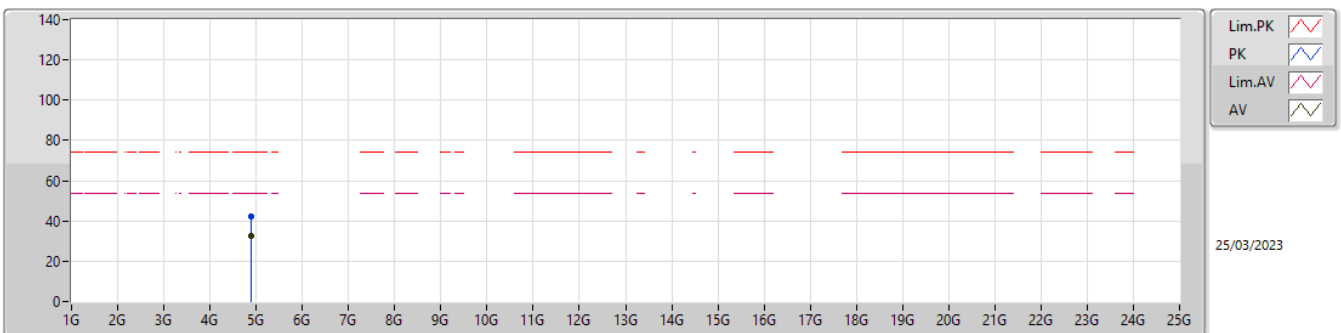
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.88056G	31.36	54.00	-22.64	4.68	3	Vertical	340	1.50	26.68	32.62	6.22	34.16
PK	4.88056G	42.23	74.00	-31.77	4.68	3	Vertical	340	1.50	37.55	32.62	6.22	34.16

2.4-2.4835GHz\_BT-LE(2Mbps)

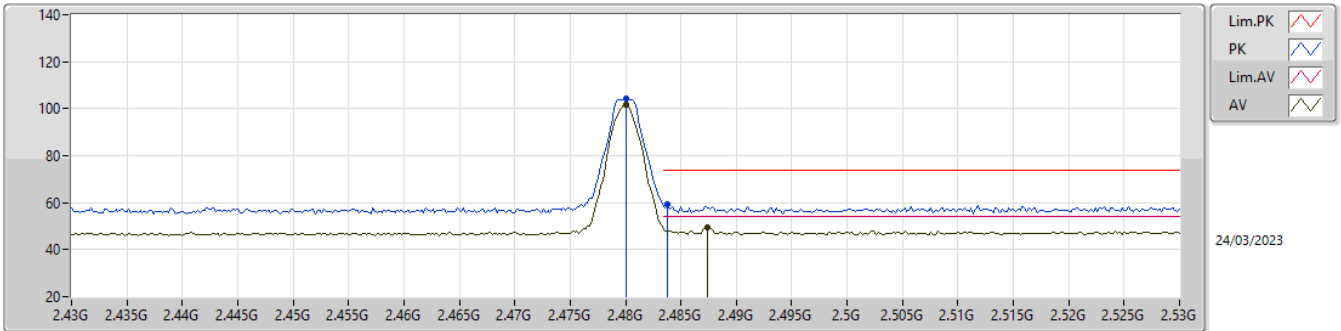
2440MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.88087G	42.36	74.00	-31.64	4.68	3	Horizontal	225	1.51	37.68	32.62	6.22	34.16
AV	4.88087G	32.52	54.00	-21.48	4.68	3	Horizontal	225	1.51	27.84	32.62	6.22	34.16

2.4-2.4835GHz\_BT-LE(2Mbps)

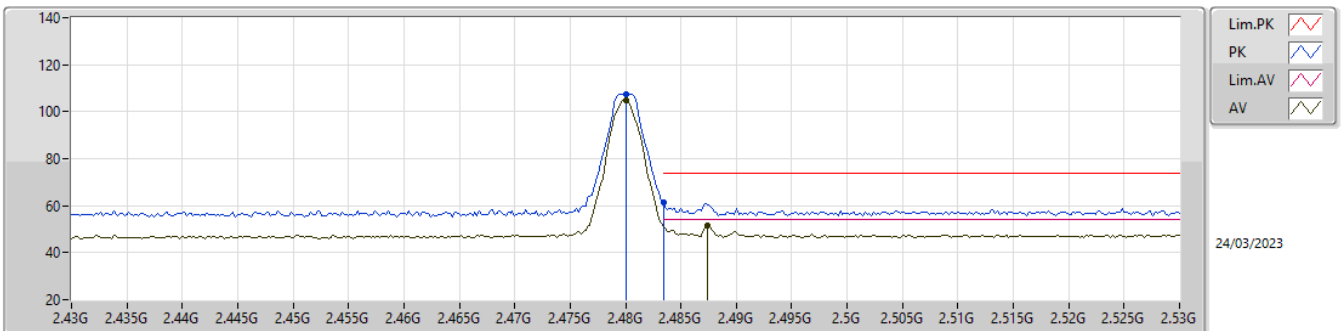
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	101.68	Inf	-Inf	32.13	3	Vertical	95	2.65	69.55	27.82	4.31	-
AV	2.4874G	49.64	54.00	-4.36	32.16	3	Vertical	95	2.65	17.48	27.85	4.31	-
PK	2.48G	104.09	Inf	-Inf	32.13	3	Vertical	95	2.65	71.96	27.82	4.31	-
PK	2.4838G	59.21	74.00	-14.79	32.15	3	Vertical	95	2.65	27.06	27.84	4.31	-

2.4-2.4835GHz\_BT-LE(2Mbps)

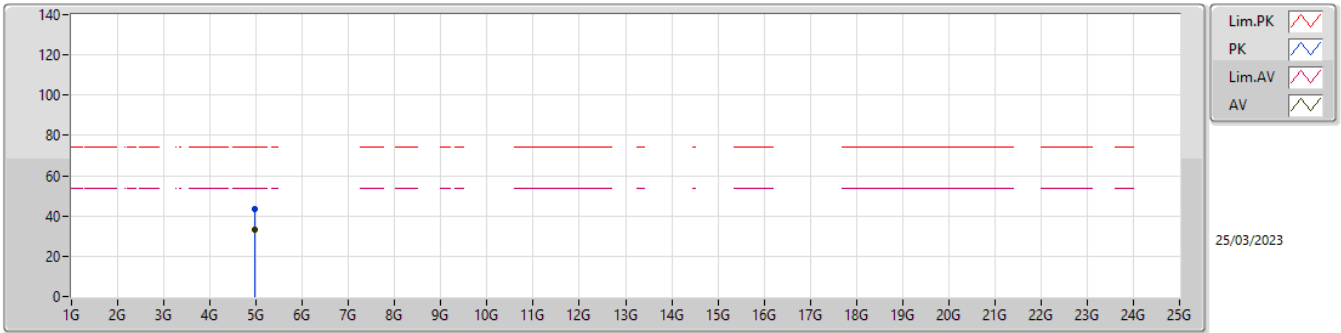
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	104.98	Inf	-Inf	32.13	3	Horizontal	69	1.00	72.85	27.82	4.31	-
AV	2.4874G	51.67	54.00	-2.33	32.16	3	Horizontal	69	1.00	19.51	27.85	4.31	-
PK	2.48G	107.38	Inf	-Inf	32.13	3	Horizontal	69	1.00	75.25	27.82	4.31	-
PK	2.4835G	61.22	74.00	-12.78	32.14	3	Horizontal	69	1.00	29.08	27.83	4.31	-

2.4-2.4835GHz\_BT-LE(2Mbps)

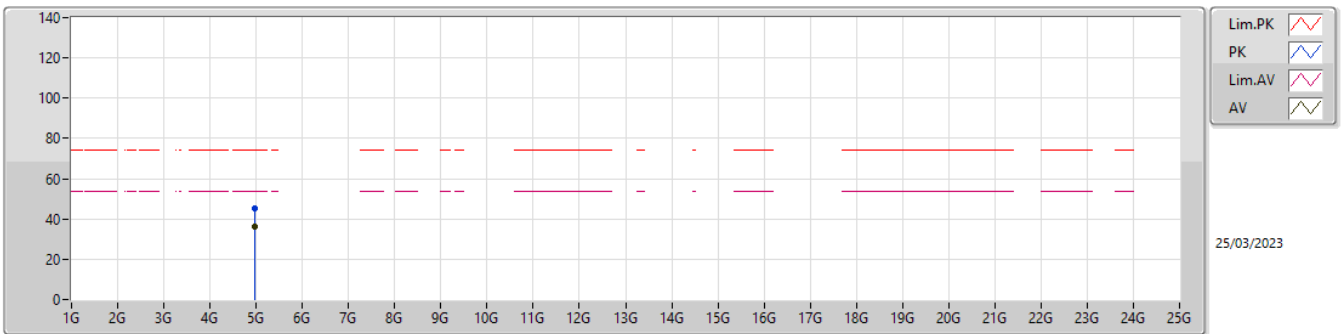
2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.95919G	33.43	54.00	-20.57	5.18	3	Vertical	4	2.83	28.25	33.04	6.27	34.13
PK	4.95919G	43.67	74.00	-30.33	5.18	3	Vertical	4	2.83	38.49	33.04	6.27	34.13

2.4-2.4835GHz\_BT-LE(2Mbps)

2480MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.96067G	36.18	54.00	-17.82	5.18	3	Horizontal	22	2.55	31.00	33.04	6.27	34.13
PK	4.96067G	45.38	74.00	-28.62	5.18	3	Horizontal	22	2.55	40.20	33.04	6.27	34.13



**Summary**

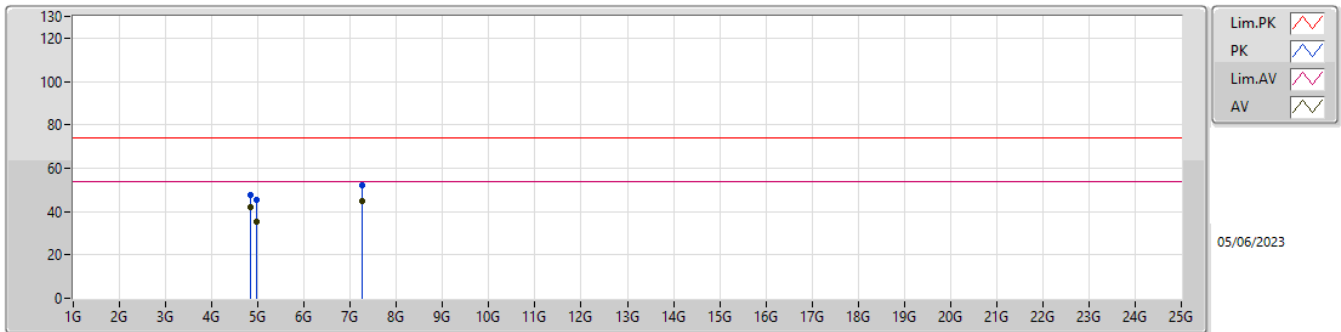
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.834G	45.82	54.00	-8.18	3	Horizontal	351	1.87
Mode 2	Pass	AV	11.53008G	42.83	54.00	-11.17	3	Horizontal	83	1.50
Mode 3	Pass	PK	17.56728G	57.49	68.20	-10.71	3	Vertical	323	2.08
Mode 4	Pass	AV	12.68773G	44.27	54.00	-9.73	3	Vertical	173	2.32



Result

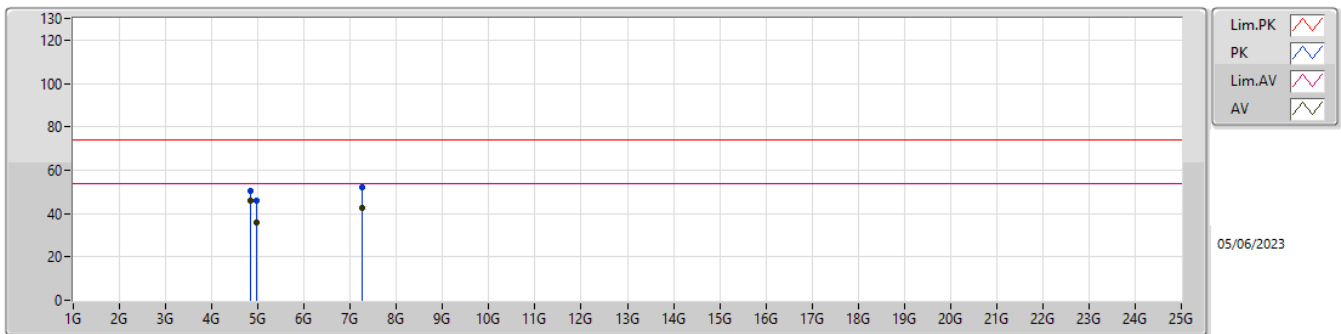
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	4.83392G	41.83	54.00	-12.17	3	Vertical	267	3.00
Mode 1	Pass	AV	4.96211G	35.08	54.00	-18.92	3	Vertical	350	1.50
Mode 1	Pass	AV	7.25183G	44.79	54.00	-9.21	3	Vertical	346	2.24
Mode 1	Pass	PK	4.83398G	47.46	74.00	-26.54	3	Vertical	267	3.00
Mode 1	Pass	PK	4.96363G	45.24	74.00	-28.76	3	Vertical	350	1.50
Mode 1	Pass	PK	7.25217G	52.39	74.00	-21.61	3	Vertical	346	2.24
Mode 1	Pass	AV	4.834G	45.82	54.00	-8.18	3	Horizontal	351	1.87
Mode 1	Pass	AV	4.96042G	35.74	54.00	-18.26	3	Horizontal	356	2.69
Mode 1	Pass	AV	7.25181G	42.45	54.00	-11.55	3	Horizontal	281	1.50
Mode 1	Pass	PK	4.834G	50.50	74.00	-23.50	3	Horizontal	351	1.87
Mode 1	Pass	PK	4.96228G	45.94	74.00	-28.06	3	Horizontal	356	2.69
Mode 1	Pass	PK	7.25456G	52.06	74.00	-21.94	3	Horizontal	281	1.50
Mode 2	Pass	AV	4.96207G	35.09	54.00	-18.91	3	Vertical	231	1.50
Mode 2	Pass	AV	11.51488G	42.82	54.00	-11.18	3	Vertical	318	1.50
Mode 2	Pass	AV	17.36468G	46.35	68.20	-21.85	3	Vertical	16	1.50
Mode 2	Pass	PK	4.96463G	45.38	74.00	-28.62	3	Vertical	231	1.50
Mode 2	Pass	PK	11.55848G	53.21	74.00	-20.79	3	Vertical	318	1.50
Mode 2	Pass	PK	17.36188G	56.44	68.20	-11.76	3	Vertical	16	1.50
Mode 2	Pass	AV	4.96023G	37.16	54.00	-16.84	3	Horizontal	9	2.66
Mode 2	Pass	AV	11.53008G	42.83	54.00	-11.17	3	Horizontal	83	1.50
Mode 2	Pass	AV	17.3054G	46.31	68.20	-21.89	3	Horizontal	41	1.50
Mode 2	Pass	PK	4.9597G	46.34	74.00	-27.66	3	Horizontal	9	2.66
Mode 2	Pass	PK	11.52856G	53.14	74.00	-20.86	3	Horizontal	83	1.50
Mode 2	Pass	PK	17.30164G	56.97	68.20	-11.23	3	Horizontal	41	1.50
Mode 3	Pass	AV	4.95978G	35.21	54.00	-18.79	3	Vertical	357	1.91
Mode 3	Pass	AV	11.70682G	43.08	54.00	-10.92	3	Vertical	21	1.65
Mode 3	Pass	AV	17.56871G	46.36	68.20	-21.84	3	Vertical	323	2.08
Mode 3	Pass	PK	4.95766G	45.14	74.00	-28.86	3	Vertical	357	1.91
Mode 3	Pass	PK	11.7135G	53.43	74.00	-20.57	3	Vertical	21	1.65
Mode 3	Pass	PK	17.56728G	57.49	68.20	-10.71	3	Vertical	323	2.08
Mode 3	Pass	AV	4.95983G	36.87	54.00	-17.13	3	Horizontal	11	2.72
Mode 3	Pass	AV	11.71469G	42.95	54.00	-11.05	3	Horizontal	151	2.35
Mode 3	Pass	AV	17.56619G	46.33	68.20	-21.87	3	Horizontal	50	2.13
Mode 3	Pass	PK	4.96019G	46.22	74.00	-27.78	3	Horizontal	11	2.72
Mode 3	Pass	PK	11.71474G	53.83	74.00	-20.17	3	Horizontal	151	2.35
Mode 3	Pass	PK	17.56895G	56.65	68.20	-11.55	3	Horizontal	50	2.13
Mode 4	Pass	AV	4.95954G	34.77	54.00	-19.23	3	Vertical	0	1.50
Mode 4	Pass	AV	12.68773G	44.27	54.00	-9.73	3	Vertical	173	2.32
Mode 4	Pass	PK	4.9586G	45.63	74.00	-28.37	3	Vertical	0	1.50
Mode 4	Pass	PK	12.69035G	54.41	74.00	-19.59	3	Vertical	173	2.32
Mode 4	Pass	AV	4.96397G	34.99	54.00	-19.01	3	Horizontal	32	1.84
Mode 4	Pass	AV	12.69461G	44.20	54.00	-9.80	3	Horizontal	66	1.65
Mode 4	Pass	PK	4.96115G	45.05	74.00	-28.95	3	Horizontal	32	1.84
Mode 4	Pass	PK	12.68741G	54.43	74.00	-19.57	3	Horizontal	66	1.65

Radiated Emissions above 1GHz\_Mode 1



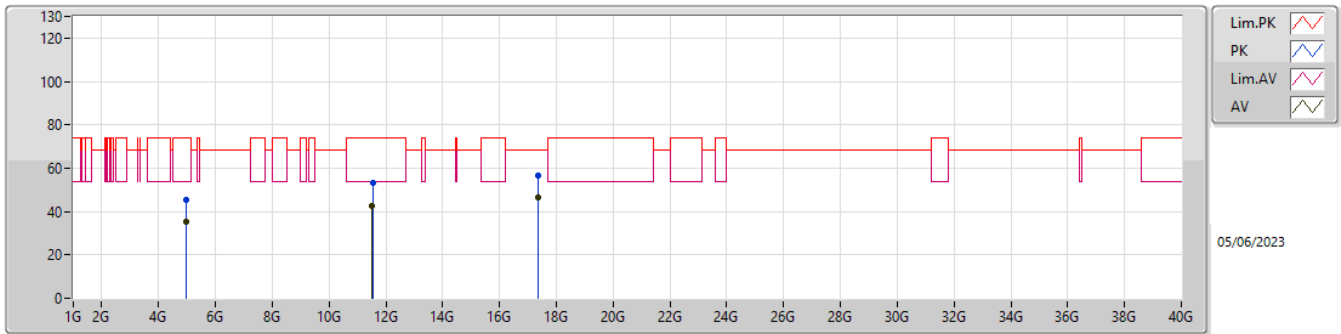
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.83392G	41.83	54.00	-12.17	3.20	3	Vertical	267	3.00	38.63	32.50	5.35	34.65
AV	4.96211G	35.08	54.00	-18.92	3.65	3	Vertical	350	1.50	31.43	32.85	5.44	34.64
AV	7.25183G	44.79	54.00	-9.21	8.64	3	Vertical	346	2.24	36.15	36.80	6.61	34.77
PK	4.83398G	47.46	74.00	-26.54	3.20	3	Vertical	267	3.00	44.26	32.50	5.35	34.65
PK	4.96363G	45.24	74.00	-28.76	3.65	3	Vertical	350	1.50	41.59	32.85	5.44	34.64
PK	7.25217G	52.39	74.00	-21.61	8.64	3	Vertical	346	2.24	43.75	36.80	6.61	34.77

Radiated Emissions above 1GHz\_Mode 1



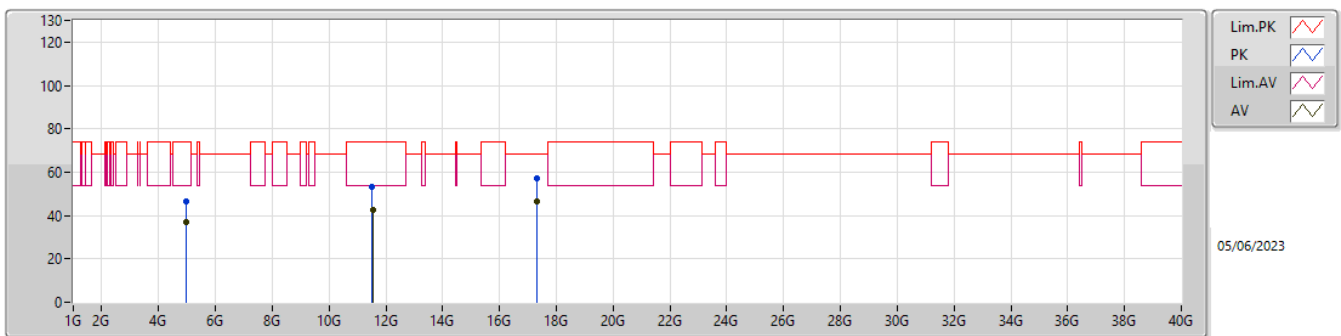
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.834G	45.82	54.00	-8.18	3.20	3	Horizontal	351	1.87	42.62	32.50	5.35	34.65
AV	4.96042G	35.74	54.00	-18.26	3.64	3	Horizontal	356	2.69	32.10	32.84	5.44	34.64
AV	7.25181G	42.45	54.00	-11.55	8.64	3	Horizontal	281	1.50	33.81	36.80	6.61	34.77
PK	4.834G	50.50	74.00	-23.50	3.20	3	Horizontal	351	1.87	47.30	32.50	5.35	34.65
PK	4.96228G	45.94	74.00	-28.06	3.65	3	Horizontal	356	2.69	42.29	32.85	5.44	34.64
PK	7.25456G	52.06	74.00	-21.94	8.63	3	Horizontal	281	1.50	43.43	36.79	6.61	34.77

## Radiated Emissions above 1GHz\_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.96207G	35.09	54.00	-18.91	3.65	3	Vertical	231	1.50	31.44	32.85	5.44	34.64
AV	11.51488G	42.82	54.00	-11.18	12.42	3	Vertical	318	1.50	30.40	38.66	8.33	34.57
AV	17.36468G	46.35	68.20	-21.85	14.25	3	Vertical	16	1.50	32.10	38.39	10.20	34.34
PK	4.96463G	45.38	74.00	-28.62	3.66	3	Vertical	231	1.50	41.72	32.86	5.44	34.64
PK	11.55848G	53.21	74.00	-20.79	12.27	3	Vertical	318	1.50	40.94	38.52	8.34	34.59
PK	17.36188G	56.44	68.20	-11.76	14.25	3	Vertical	16	1.50	42.19	38.39	10.20	34.34

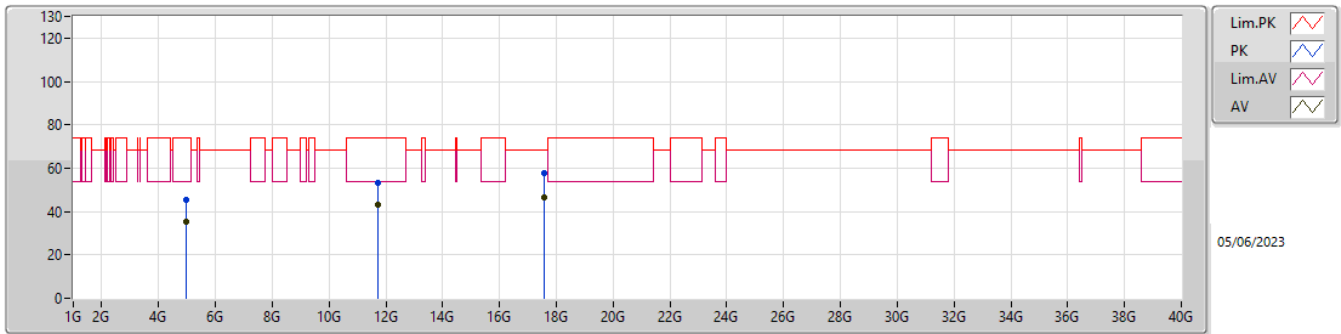
## Radiated Emissions above 1GHz\_Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.96023G	37.16	54.00	-16.84	3.64	3	Horizontal	9	2.66	33.52	32.84	5.44	34.64
AV	11.53008G	42.83	54.00	-11.17	12.36	3	Horizontal	83	1.50	30.47	38.61	8.33	34.58
AV	17.3054G	46.31	68.20	-21.89	14.10	3	Horizontal	41	1.50	32.21	38.22	10.18	34.30
PK	4.9597G	46.34	74.00	-27.66	3.64	3	Horizontal	9	2.66	42.70	32.84	5.44	34.64
PK	11.52856G	53.14	74.00	-20.86	12.36	3	Horizontal	83	1.50	40.78	38.61	8.33	34.58
PK	17.30164G	56.97	68.20	-11.23	14.07	3	Horizontal	41	1.50	42.90	38.20	10.17	34.30

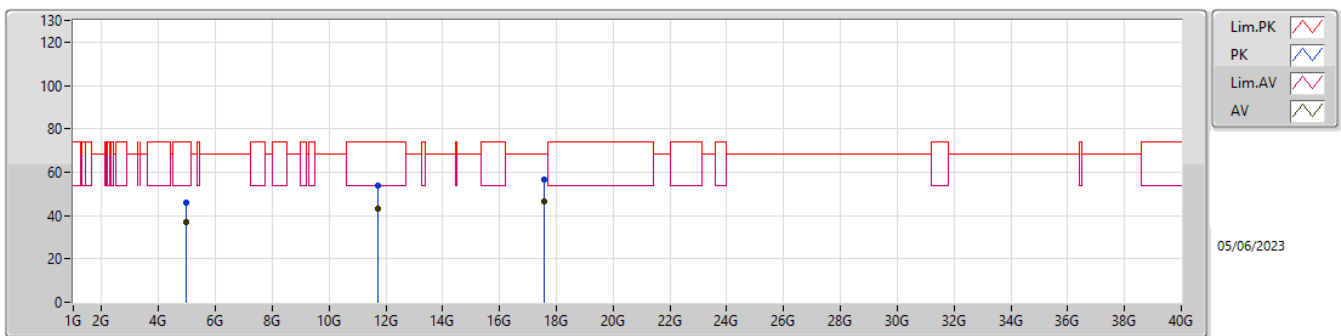


Radiated Emissions above 1GHz\_Mode 3



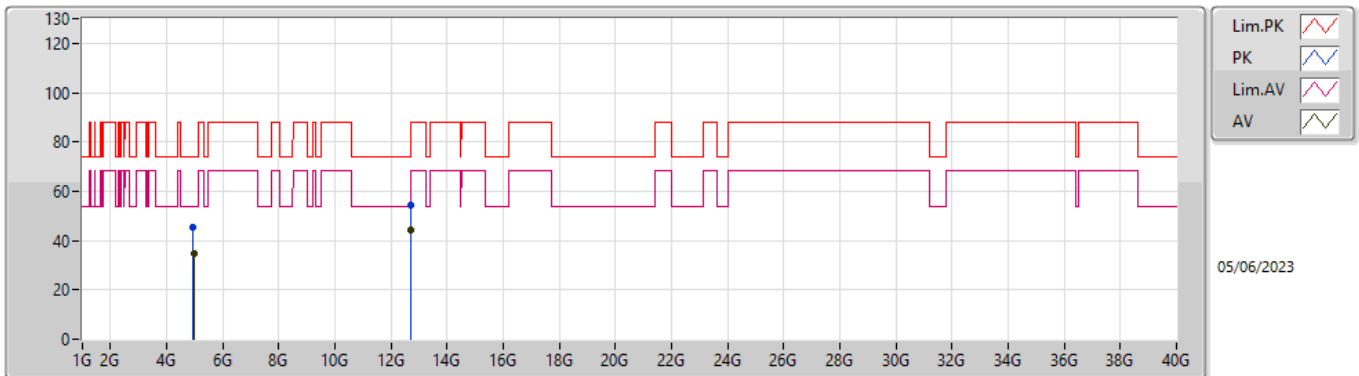
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95978G	35.21	54.00	-18.79	3.64	3	Vertical	357	1.91	31.57	32.84	5.44	34.64
AV	11.70682G	43.08	54.00	-10.92	12.16	3	Vertical	21	1.65	30.92	38.41	8.39	34.64
AV	17.56871G	46.36	68.20	-21.84	14.68	3	Vertical	323	2.08	31.68	38.84	10.28	34.44
PK	4.95766G	45.14	74.00	-28.86	3.63	3	Vertical	357	1.91	41.51	32.83	5.44	34.64
PK	11.7135G	53.43	74.00	-20.57	12.18	3	Vertical	21	1.65	41.25	38.43	8.39	34.64
PK	17.56728G	57.49	68.20	-10.71	14.68	3	Vertical	323	2.08	42.81	38.84	10.28	34.44

Radiated Emissions above 1GHz\_Mode 3



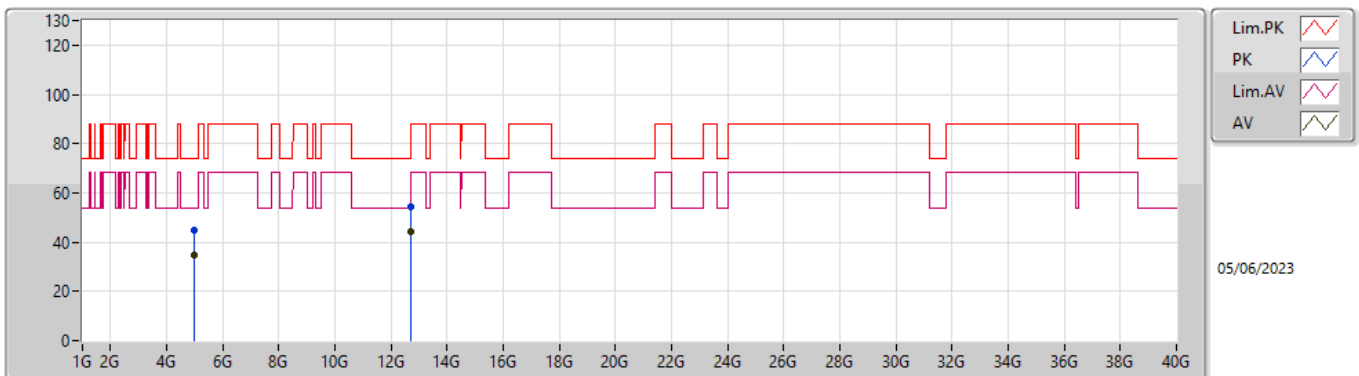
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95983G	36.87	54.00	-17.13	3.64	3	Horizontal	11	2.72	33.23	32.84	5.44	34.64
AV	11.71469G	42.95	54.00	-11.05	12.18	3	Horizontal	151	2.35	30.77	38.43	8.39	34.64
AV	17.56619G	46.33	68.20	-21.87	14.67	3	Horizontal	50	2.13	31.66	38.83	10.28	34.44
PK	4.96019G	46.22	74.00	-27.78	3.64	3	Horizontal	11	2.72	42.58	32.84	5.44	34.64
PK	11.71474G	53.83	74.00	-20.17	12.18	3	Horizontal	151	2.35	41.65	38.43	8.39	34.64
PK	17.56895G	56.65	68.20	-11.55	14.68	3	Horizontal	50	2.13	41.97	38.84	10.28	34.44

### Radiated Emissions above 1GHz\_Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95954G	34.77	54.00	-19.23	NaN	3	Vertical	0	1.50	NaN	NaN	5.44	34.64
AV	12.68773G	44.27	54.00	-9.73	NaN	3	Vertical	173	2.32	NaN	NaN	8.66	34.05
PK	4.9586G	45.63	74.00	-28.37	NaN	3	Vertical	0	1.50	NaN	NaN	5.44	34.64
PK	12.69035G	54.41	74.00	-19.59	NaN	3	Vertical	173	2.32	NaN	NaN	8.66	34.05

### Radiated Emissions above 1GHz\_Mode 4



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.96397G	34.99	54.00	-19.01	NaN	3	Horizontal	32	1.84	NaN	NaN	5.44	34.64
AV	12.69461G	44.20	54.00	-9.80	NaN	3	Horizontal	66	1.65	NaN	NaN	8.66	34.04
PK	4.96115G	45.05	74.00	-28.95	NaN	3	Horizontal	32	1.84	NaN	NaN	5.44	34.64
PK	12.68741G	54.43	74.00	-19.57	NaN	3	Horizontal	66	1.65	NaN	NaN	8.66	34.05

————THE END————