


# FCC Radio Test Report

**FCC ID** : PPQ-WCBN3605L  
**Equipment** : 802.11b/g/n 1Tx1R + BT5.0 IOT Combo Module  
**Brand Name** : LITEON  
**Model Name** : RIGEL  
**Applicant** : LITE-ON Technology Corp.  
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City  
23585, Taiwan, R.O.C  
**Manufacturer** : LITE-ON Technology (Changzhou) CO.LTD  
A9 Building, No.88 Yanghu Road, Wujin Hi-Tech  
Industrial Development Zone, Changzhou City,  
Jiangsu Province 213100 China  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Jul. 27, 2023, and testing was started from Aug. 02, 2023 and completed on Aug. 04, 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.



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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History of this test report

Report No.	Version	Description	Issued Date
FR371404AL	01	Initial issue of report	Aug. 28, 2023
FR371404AL	02	Adding description for worst case evaluation. (This report is the latest version replacing for the report issued on Aug. 28, 2023.)	Aug. 29, 2023



### 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: Sam Tsai**  
**Report Producer: Amber Chiu**



# 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(125kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(500kbps)	1.0	1TX
2.4-2.4835GHz	BT-LE(1Mbps)	1.0	1TX

Note:

- ♦ Bluetooth LE uses a GFSK (125kbps/500kbps/1Mbps) modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Bluetooth LE 125k/500k/1Mbps uses the same modulation, and 125kbps was found to be the worst case scenario which was performed full test and recorded in this test report.



1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Cable length	Support
1	LITEON	WCBN3605L	Printed Ant	N/A	N/A	2.4G+BT
2	LITEON	WCBN3605L	Printed Ant	N/A	N/A	2.4G+BT
3	MOLEX	2167990001	PIFA	Fakra	N/A	2.4G+BT
4	MOLEX	1461530050	PIFA	I-PEX	50 mm	2.4G+BT
5	MOLEX	1461530100	PIFA	I-PEX	100 mm	2.4G+BT
6	MOLEX	1461530150	PIFA	I-PEX	150 mm	2.4G+BT
7	MOLEX	1461530200	PIFA	I-PEX	200 mm	2.4G+BT
8	MOLEX	1461530250	PIFA	I-PEX	250 mm	2.4G+BT
9	MOLEX	1461530300	PIFA	I-PEX	300 mm	2.4G+BT

Ant.	Gain (dBi)	
	2.4G	BT
1	2.06	2.06
2	2.1	2.1
3	2.4	2.4
4	3.2	3.2
5	3.0	3.0
6	2.8	2.8
7	2.6	2.6
8	2.4	2.4
9	2.2	2.2

Note 1: The EUT has nine antennas.

Note 2: EUT can match with above antennas for using. Higher gain of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

**For 2.4GHz function:**

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

Ant. 1/Ant. 2/Ant. 3/Ant. 4/Ant. 5/Ant. 6/Ant. 7/Ant. 8/Ant. 9 could transmit/receive.

**For BT function:**

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

Ant. 1/Ant. 2/Ant. 3/Ant. 4/Ant. 5/Ant. 6/Ant. 7/Ant. 8/Ant. 9 could transmit/receive.



### 1.1.3 EUT Information

Operational Condition	
EUT Power Type	From Fixture
EUT Function	<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(125kbps)	0.975	0.11	17.075m	100

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	23.4~24.5°C / 57~62%	03/Aug/2023
RF Conducted	TH07-HY	Yuna Lin	22.4~23.4°C / 45~50%	02/Aug/2023
Radiated (Co-location)	03CH02-HY	Vasari Huang	23.3~23.7°C / 53~55%	04/Aug/2023
<input 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	03CH09-HY	Henry Ho	22.3~23.2°C / 50~52%	02/Aug/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	RTLBTAPP_v5.2.2.59
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Mode	Power Setting
BT-LE(125kbps)	-
2402MHz	Default
2440MHz	Default
2480MHz	Default

## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	CTX
1	Test Fixture mode

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density 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 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	Test Fixture 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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4G PIFA+BT PIFA
2	2.4G Print+BT Print
3	2.4G PIFA+BT Print
4	2.4G Print+BT PIFA

Refer to Sporton Test Report No.: FA371404 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.

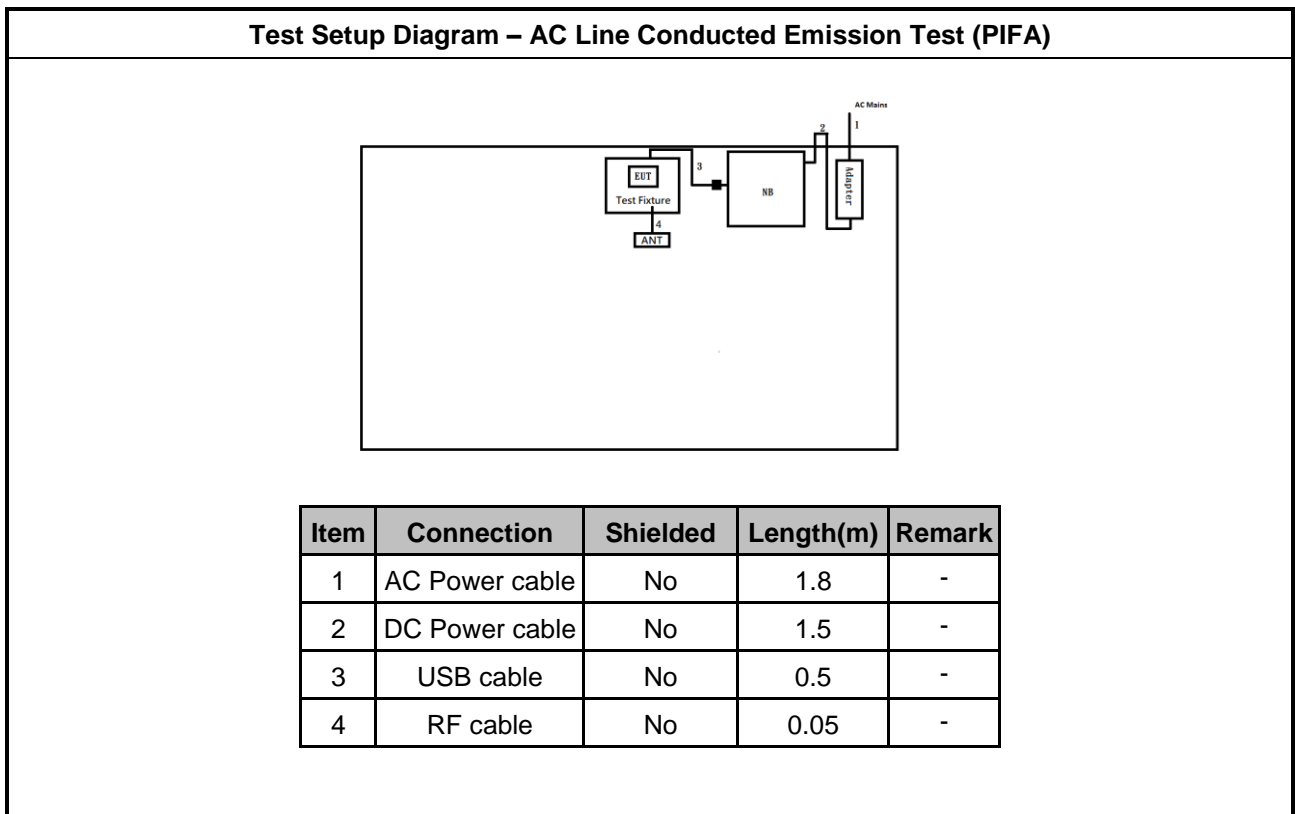
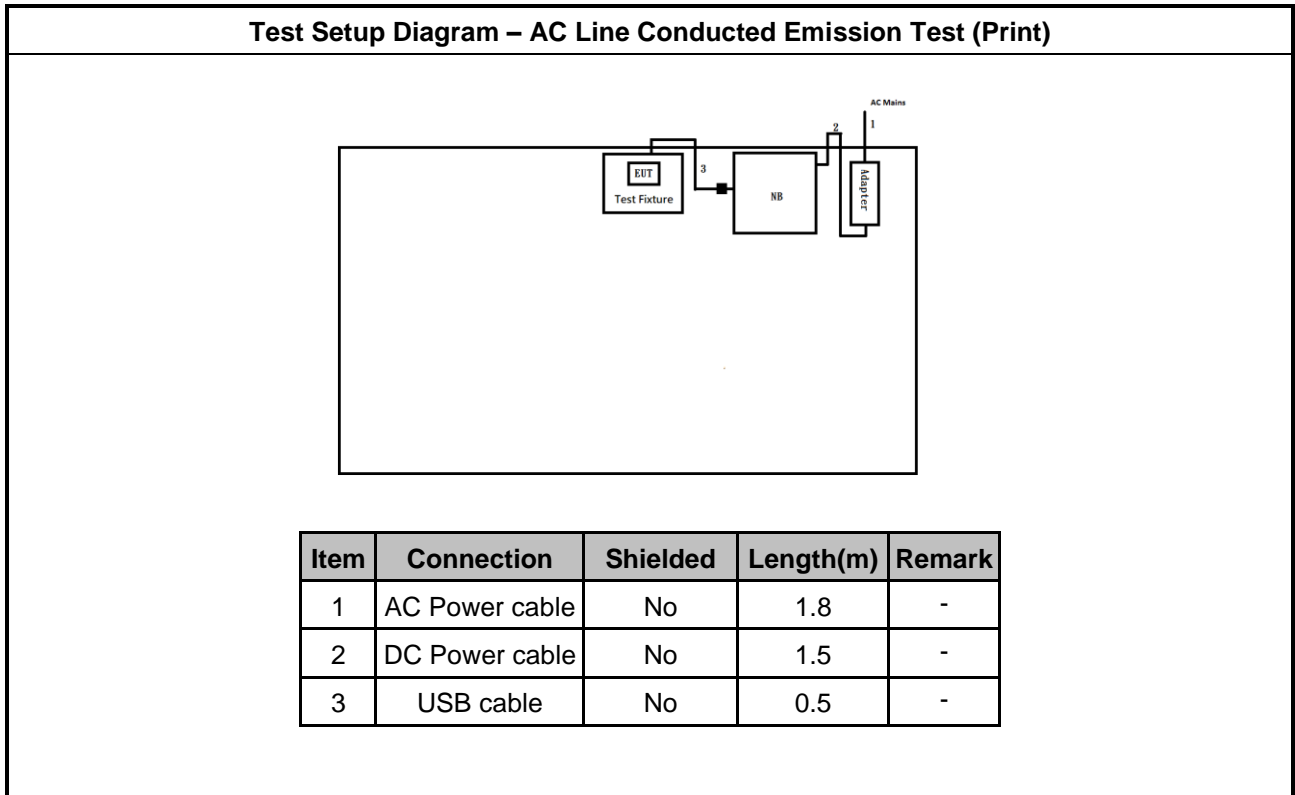
### 2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter (for NB)	HP	HSTNN-CA40	-	-
3	USB cable	CHANG XIN	E344713	-	-
4	Core	Kingcore	KCF-130	-	-
5	Fixture	-	-	-	-

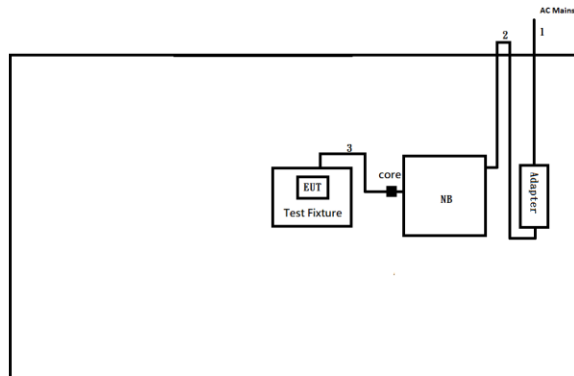
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	USB cable	CHANG XIN	E344713	-	-
4	Fixture	-	-	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	HSTNN-142C	-	-
2	Adapter (for NB)	HP	HSTNN-CA40	-	-
3	USB cable	CHANG XIN	E344713	-	-
4	Core	Kingcore	KCF-130	-	-
5	Fixture	-	-	-	-

## 2.4 Test Setup Diagram

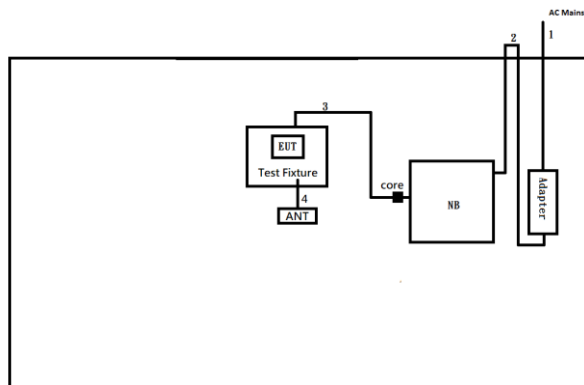


Test Setup Diagram - Radiated Test (Print)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	0.5	-

Test Setup Diagram - Radiated Test (PIFA)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB cable	No	0.5	-
4	RF cable	No	0.05	-

### 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

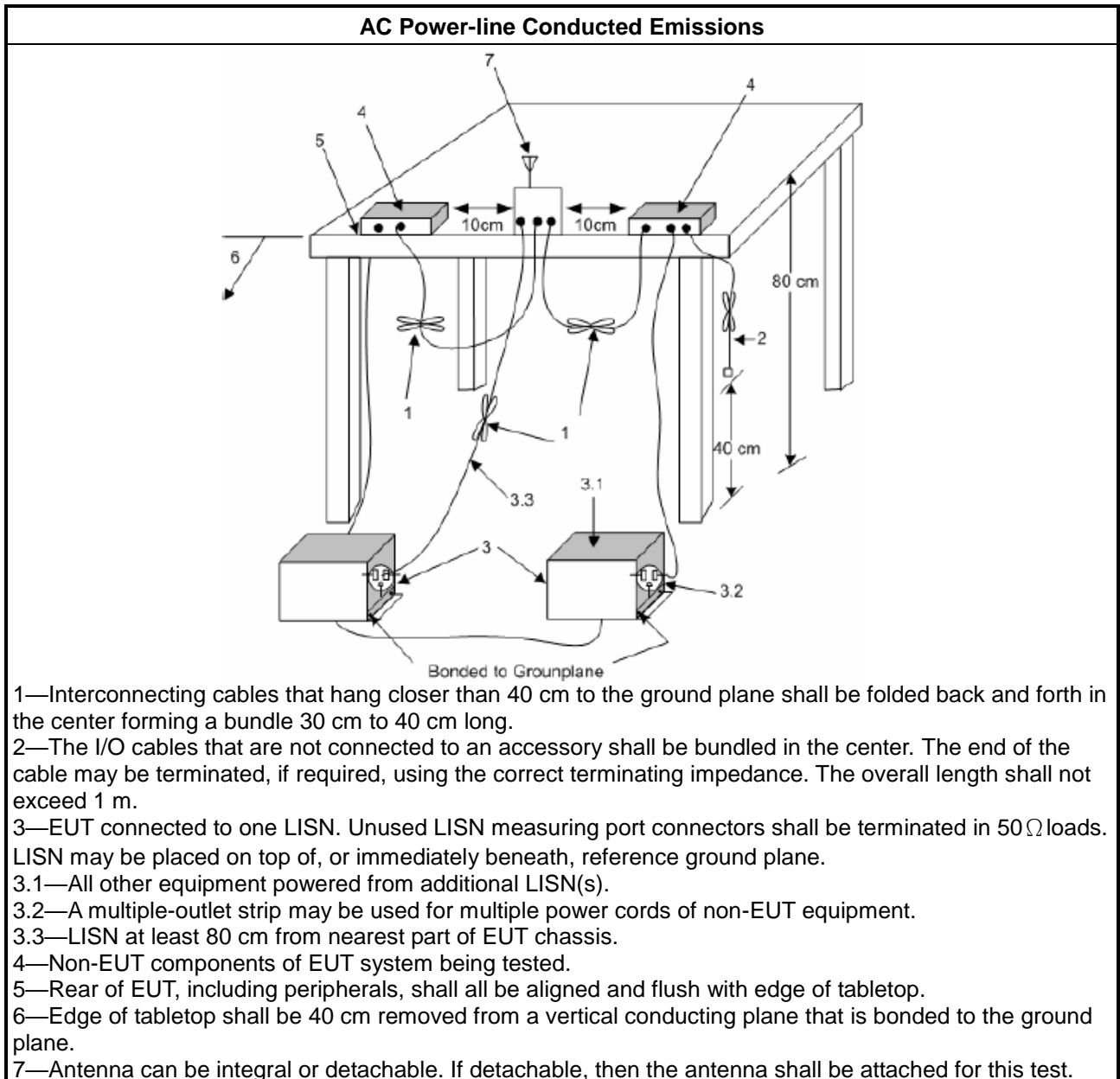
Test Method
<ul style="list-style-type: none"> <li>Refer as ANSI C63.10-2013, clause 6.2 foray power-line conducted emissions.</li> </ul>

##### 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.

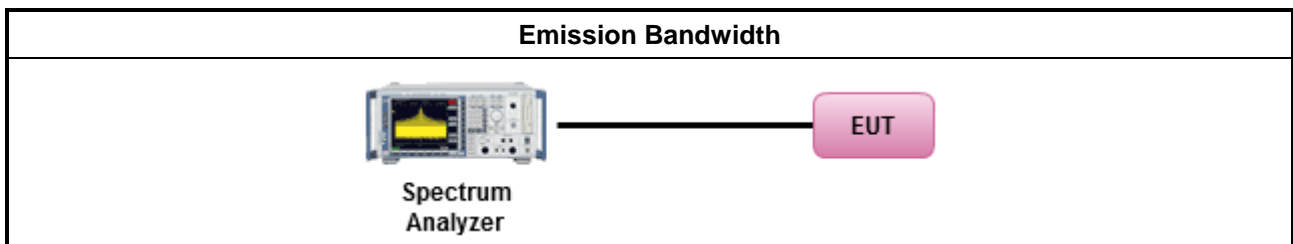
#### 3.2.2 Measuring Instruments

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>	

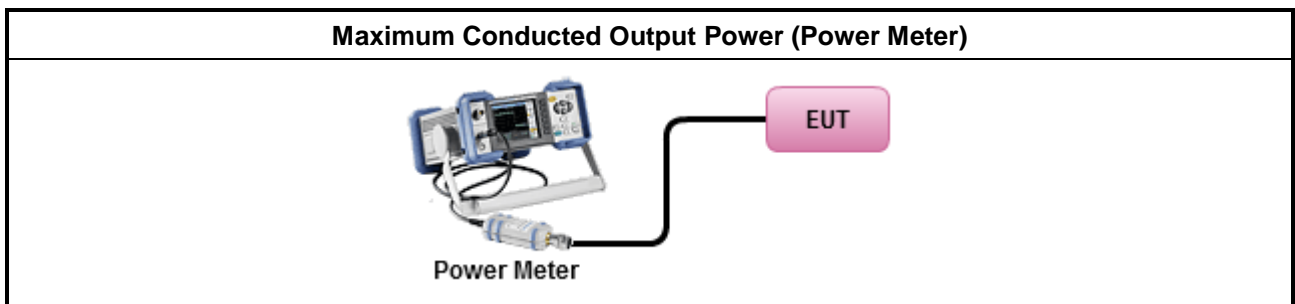
#### 3.3.2 Measuring Instruments

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>

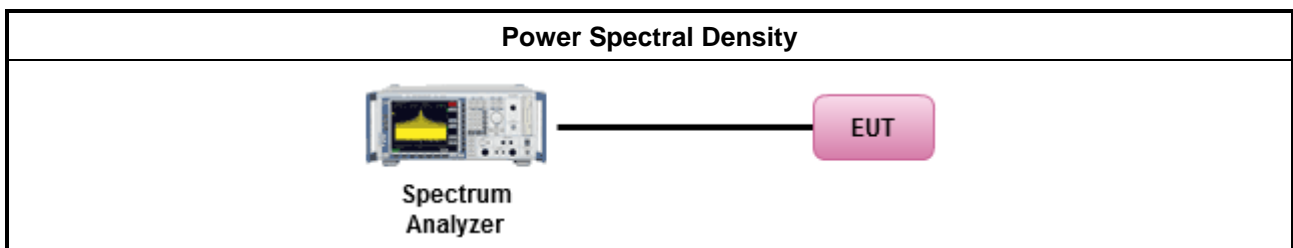
#### 3.4.2 Measuring Instruments

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.               <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:                   <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> </li> </ul> </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.

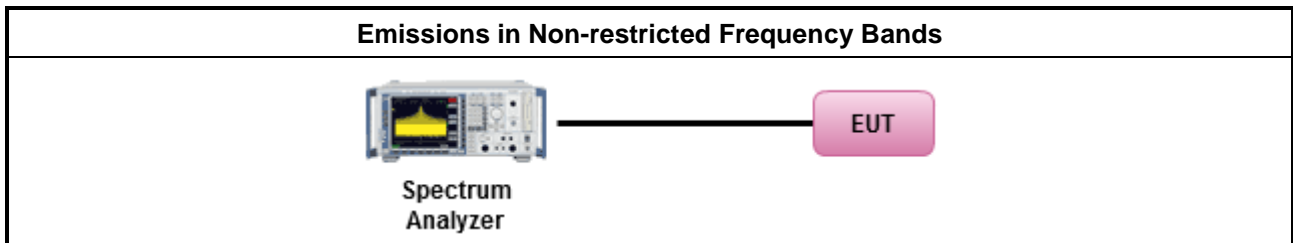
#### 3.5.2 Measuring Instruments

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**

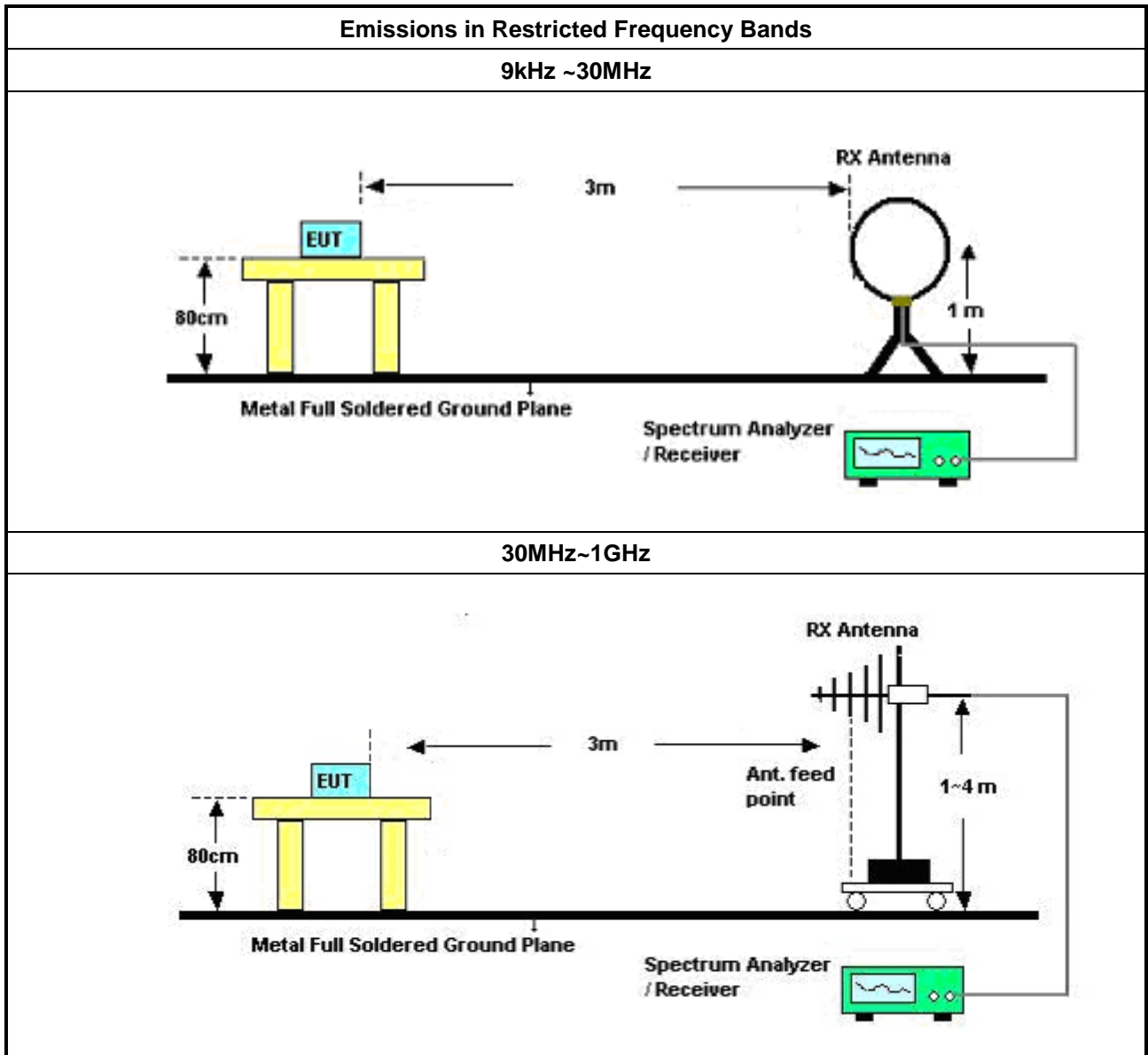
<b>Test Method</b>	
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel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

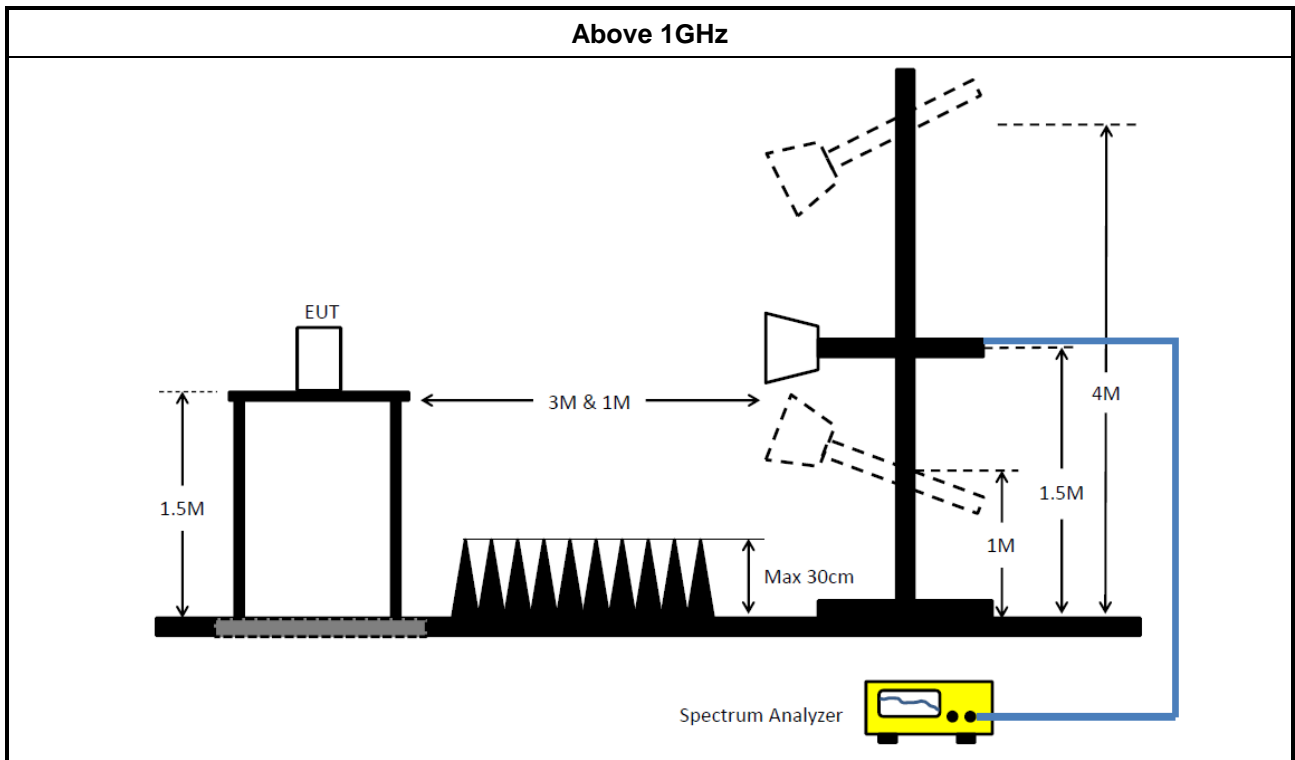
**3.6.4 Measurement Results Calculation**

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)

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	102318	9kHz ~ 3.6GHz	29/Dec/2022	28/Dec/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	16/Feb/2023	15/Feb/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.11.3	-	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	101515	9kHz~40GHz	14/Feb/2023	13/ Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15247_FS	Sporton	V5.11.2	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
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	14/Mar/2023	13/Mar/2024
N.S.A. Measurement	TDK	SAC-3M	03CH09-HY	30 MHz ~ 1 GHz 3m	15/Mar/2023	14/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	21/Jul/2023	20/Jul/2024
Preamplifier	EMCI	EMC9135	980232	9kHz~1GHz	07/Apr/2023	06/Apr/2024
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	30/Dec/2022	29/Dec/2023
RF Cable-low	HUBER+SUHNE R	SUCOFLEX104	03CH09-cable-01	9kHz~1GHz	21/Feb/2023	20/Feb/2024
RF CABLE 5m+3m+1m	HUBER+SUHNE R	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 Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
SENSE-15247_FS	Sporton	Sporton	V5.10.8.9	NA	NA	NA

**Instrument for Radiated Test (Co-loaction)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	29/Jul/2023	28/Jul/2024
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	17/Mar/2023	16/Mar/2024
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
RF Cable-R03m	HUBER+SUHNE R	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	V5.11.3	N/A	N/A	N/A	N/A



**Summary**

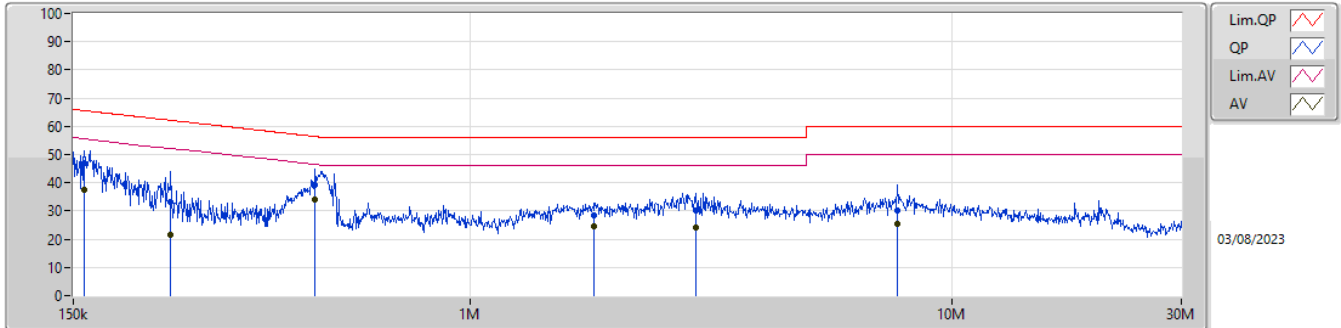
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	492.876k	35.05	46.11	-11.06	Neutral



Result

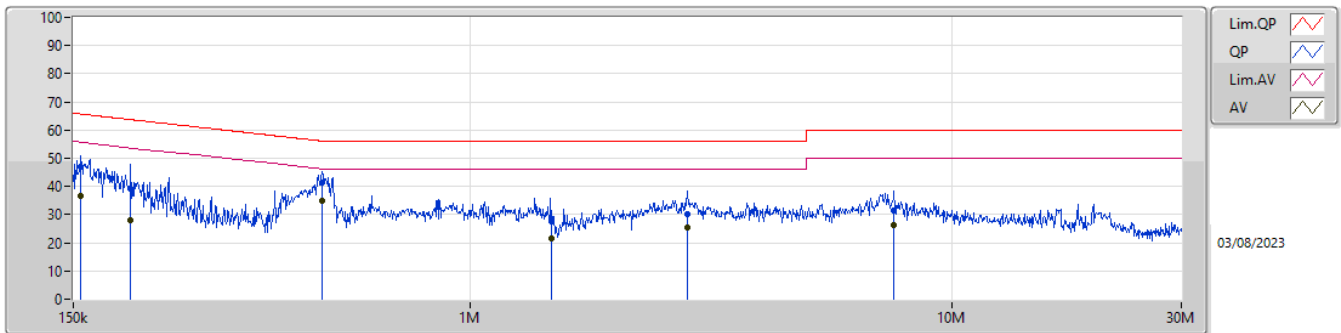
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	157.99k	47.05	65.56	-18.51	Line
Mode 1	Pass	AV	157.99k	37.41	55.56	-18.15	Line
Mode 1	Pass	QP	239.296k	33.32	62.12	-28.80	Line
Mode 1	Pass	AV	239.296k	21.75	52.12	-30.37	Line
Mode 1	Pass	QP	477.384k	39.30	56.38	-17.08	Line
Mode 1	Pass	AV	477.384k	33.87	46.38	-12.51	Line
Mode 1	Pass	QP	1.811M	28.55	56.00	-27.45	Line
Mode 1	Pass	AV	1.811M	24.48	46.00	-21.52	Line
Mode 1	Pass	QP	2.947M	30.08	56.00	-25.92	Line
Mode 1	Pass	AV	2.947M	24.26	46.00	-21.74	Line
Mode 1	Pass	QP	7.714M	30.35	60.00	-29.65	Line
Mode 1	Pass	AV	7.714M	25.52	50.00	-24.48	Line
Mode 1	Pass	QP	155.487k	47.14	65.69	-18.55	Neutral
Mode 1	Pass	AV	155.487k	36.56	55.69	-19.13	Neutral
Mode 1	Pass	QP	197.568k	39.18	63.71	-24.53	Neutral
Mode 1	Pass	AV	197.568k	27.92	53.71	-25.79	Neutral
Mode 1	Pass	QP	492.876k	41.23	56.11	-14.88	Neutral
Mode 1	Pass	AV	492.876k	35.05	46.11	-11.06	Neutral
Mode 1	Pass	QP	1.472M	27.41	56.00	-28.59	Neutral
Mode 1	Pass	AV	1.472M	21.39	46.00	-24.61	Neutral
Mode 1	Pass	QP	2.821M	30.33	56.00	-25.67	Neutral
Mode 1	Pass	AV	2.821M	25.26	46.00	-20.74	Neutral
Mode 1	Pass	QP	7.592M	31.36	60.00	-28.64	Neutral
Mode 1	Pass	AV	7.592M	26.25	50.00	-23.75	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	157.99k	47.05	65.56	-18.51	19.61	Line	-	27.44	9.65	0.03	9.93
AV	157.99k	37.41	55.56	-18.15	19.61	Line	-	17.80	9.65	0.03	9.93
QP	239.296k	33.32	62.12	-28.80	19.62	Line	-	13.70	9.65	0.03	9.94
AV	239.296k	21.75	52.12	-30.37	19.62	Line	-	2.13	9.65	0.03	9.94
QP	477.384k	39.30	56.38	-17.08	19.64	Line	-	19.66	9.64	0.04	9.96
AV	477.384k	33.87	46.38	-12.51	19.64	Line	-	14.23	9.64	0.04	9.96
QP	1.811M	28.55	56.00	-27.45	19.70	Line	-	8.85	9.68	0.08	9.94
AV	1.811M	24.48	46.00	-21.52	19.70	Line	-	4.78	9.68	0.08	9.94
QP	2.947M	30.08	56.00	-25.92	19.73	Line	-	10.35	9.69	0.11	9.93
AV	2.947M	24.26	46.00	-21.74	19.73	Line	-	4.53	9.69	0.11	9.93
QP	7.714M	30.35	60.00	-29.65	19.89	Line	-	10.46	9.77	0.17	9.95
AV	7.714M	25.52	50.00	-24.48	19.89	Line	-	5.63	9.77	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	155.487k	47.14	65.69	-18.55	19.59	Neutral	-	27.55	9.63	0.03	9.93
AV	155.487k	36.56	55.69	-19.13	19.59	Neutral	-	16.97	9.63	0.03	9.93
QP	197.568k	39.18	63.71	-24.53	19.58	Neutral	-	19.60	9.62	0.03	9.93
AV	197.568k	27.92	53.71	-25.79	19.58	Neutral	-	8.34	9.62	0.03	9.93
QP	492.876k	41.23	56.11	-14.88	19.63	Neutral	-	21.60	9.63	0.04	9.96
AV	492.876k	35.05	46.11	-11.06	19.63	Neutral	-	15.42	9.63	0.04	9.96
QP	1.472M	27.41	56.00	-28.59	19.67	Neutral	-	7.74	9.66	0.07	9.94
AV	1.472M	21.39	46.00	-24.61	19.67	Neutral	-	1.72	9.66	0.07	9.94
QP	2.821M	30.33	56.00	-25.67	19.71	Neutral	-	10.62	9.67	0.10	9.94
AV	2.821M	25.26	46.00	-20.74	19.71	Neutral	-	5.55	9.67	0.10	9.94
QP	7.592M	31.36	60.00	-28.64	19.88	Neutral	-	11.48	9.77	0.16	9.95
AV	7.592M	26.25	50.00	-23.75	19.88	Neutral	-	6.37	9.77	0.16	9.95



**Summary**

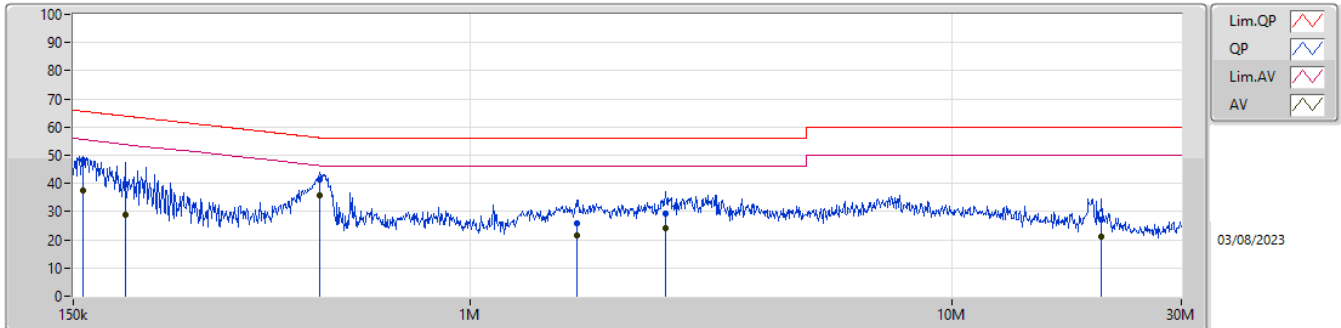
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	487.008k	35.61	46.21	-10.60	Line



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	157.361k	48.21	65.60	-17.39	Line
Mode 1	Pass	AV	157.361k	37.45	55.60	-18.15	Line
Mode 1	Pass	QP	192.124k	39.55	63.93	-24.38	Line
Mode 1	Pass	AV	192.124k	28.92	53.93	-25.01	Line
Mode 1	Pass	QP	487.008k	41.41	56.21	-14.80	Line
Mode 1	Pass	AV	487.008k	35.61	46.21	-10.60	Line
Mode 1	Pass	QP	1.665M	25.92	56.00	-30.08	Line
Mode 1	Pass	AV	1.665M	21.37	46.00	-24.63	Line
Mode 1	Pass	QP	2.543M	29.21	56.00	-26.79	Line
Mode 1	Pass	AV	2.543M	23.99	46.00	-22.01	Line
Mode 1	Pass	QP	20.513M	27.06	60.00	-32.94	Line
Mode 1	Pass	AV	20.513M	21.14	50.00	-28.86	Line
Mode 1	Pass	QP	168.41k	45.20	65.04	-19.84	Neutral
Mode 1	Pass	AV	168.41k	34.06	55.04	-20.98	Neutral
Mode 1	Pass	QP	232.702k	35.78	62.35	-26.57	Neutral
Mode 1	Pass	AV	232.702k	25.83	52.35	-26.52	Neutral
Mode 1	Pass	QP	502.813k	40.12	56.00	-15.88	Neutral
Mode 1	Pass	AV	502.813k	34.58	46.00	-11.42	Neutral
Mode 1	Pass	QP	1.29M	26.70	56.00	-29.30	Neutral
Mode 1	Pass	AV	1.29M	20.90	46.00	-25.10	Neutral
Mode 1	Pass	QP	3.007M	28.79	56.00	-27.21	Neutral
Mode 1	Pass	AV	3.007M	23.33	46.00	-22.67	Neutral
Mode 1	Pass	QP	7.561M	31.72	60.00	-28.28	Neutral
Mode 1	Pass	AV	7.561M	26.24	50.00	-23.76	Neutral

Conducted Emissions at Powerline\_Mode 1

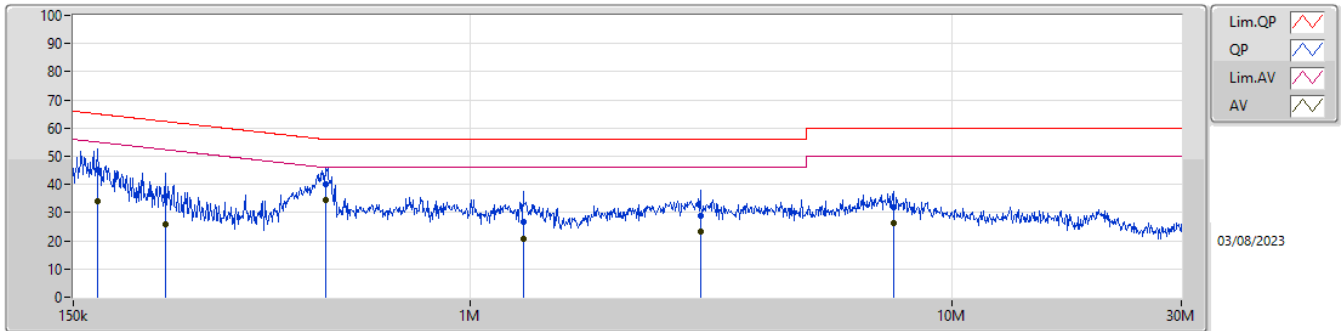


Lim.QP  
QP  
Lim.AV  
AV

03/08/2023

Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	157.361k	48.21	65.60	-17.39	19.61	Line	-	28.60	9.65	0.03	9.93
AV	157.361k	37.45	55.60	-18.15	19.61	Line	-	17.84	9.65	0.03	9.93
QP	192.124k	39.55	63.93	-24.38	19.61	Line	-	19.94	9.65	0.03	9.93
AV	192.124k	28.92	53.93	-25.01	19.61	Line	-	9.31	9.65	0.03	9.93
QP	487.008k	41.41	56.21	-14.80	19.64	Line	-	21.77	9.64	0.04	9.96
AV	487.008k	35.61	46.21	-10.60	19.64	Line	-	15.97	9.64	0.04	9.96
QP	1.665M	25.92	56.00	-30.08	19.68	Line	-	6.24	9.67	0.07	9.94
AV	1.665M	21.37	46.00	-24.63	19.68	Line	-	1.69	9.67	0.07	9.94
QP	2.543M	29.21	56.00	-26.79	19.73	Line	-	9.48	9.69	0.10	9.94
AV	2.543M	23.99	46.00	-22.01	19.73	Line	-	4.26	9.69	0.10	9.94
QP	20.513M	27.06	60.00	-32.94	20.03	Line	-	7.03	9.79	0.27	9.97
AV	20.513M	21.14	50.00	-28.86	20.03	Line	-	1.11	9.79	0.27	9.97

Conducted Emissions at Powerline\_Mode 1



Lim.QP  
QP  
Lim.AV  
AV

03/08/2023

Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	168.41k	45.20	65.04	-19.84	19.59	Neutral	-	25.61	9.63	0.03	9.93
AV	168.41k	34.06	55.04	-20.98	19.59	Neutral	-	14.47	9.63	0.03	9.93
QP	232.702k	35.78	62.35	-26.57	19.59	Neutral	-	16.19	9.62	0.03	9.94
AV	232.702k	25.83	52.35	-26.52	19.59	Neutral	-	6.24	9.62	0.03	9.94
QP	502.813k	40.12	56.00	-15.88	19.63	Neutral	-	20.49	9.63	0.04	9.96
AV	502.813k	34.58	46.00	-11.42	19.63	Neutral	-	14.95	9.63	0.04	9.96
QP	1.29M	26.70	56.00	-29.30	19.65	Neutral	-	7.05	9.65	0.06	9.94
AV	1.29M	20.90	46.00	-25.10	19.65	Neutral	-	1.25	9.65	0.06	9.94
QP	3.007M	28.79	56.00	-27.21	19.71	Neutral	-	9.08	9.67	0.11	9.93
AV	3.007M	23.33	46.00	-22.67	19.71	Neutral	-	3.62	9.67	0.11	9.93
QP	7.561M	31.72	60.00	-28.28	19.88	Neutral	-	11.84	9.77	0.16	9.95
AV	7.561M	26.24	50.00	-23.76	19.88	Neutral	-	6.36	9.77	0.16	9.95





**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
BT-LE(125kbps)	618.75k	1.054M	1M05F1D	596.25k	1.053M

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(125kbps)	-	-	-	-
2402MHz	Pass	500k	618.75k	1.054M
2440MHz	Pass	500k	596.25k	1.053M
2480MHz	Pass	500k	611.25k	1.054M

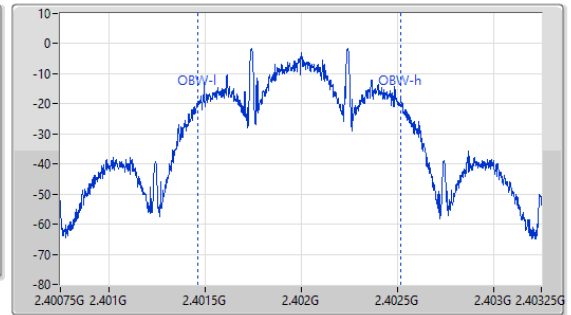
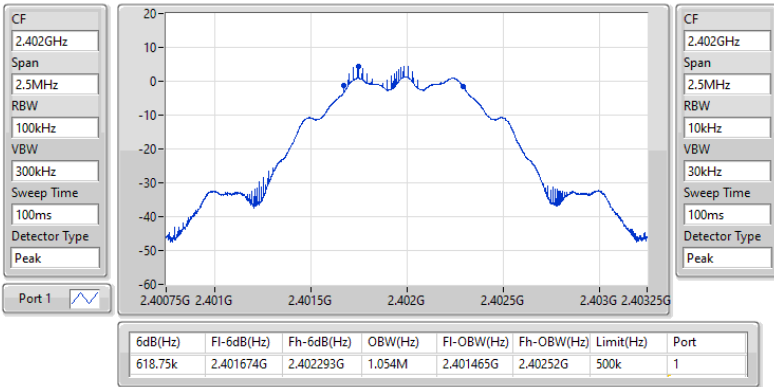
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz\_BT-LE(125kbps)

EBW-DTS

2402MHz

02/08/2023

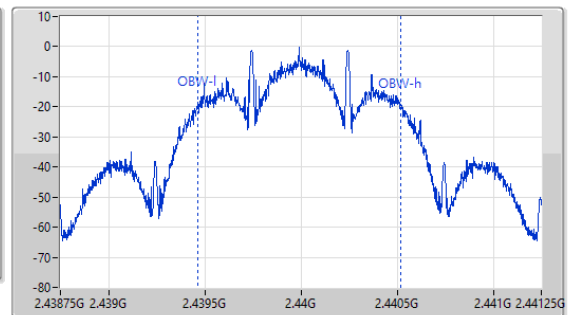
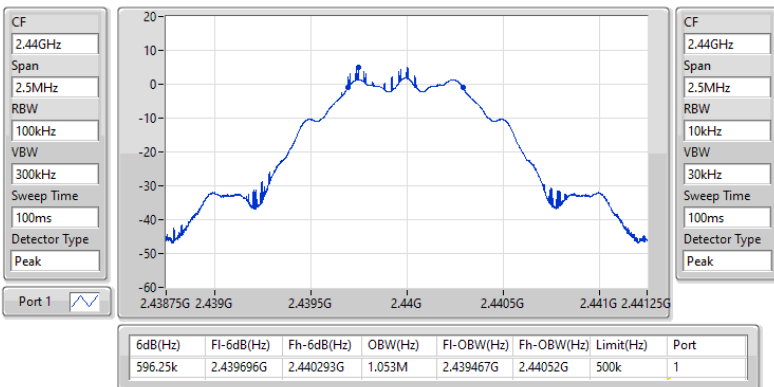


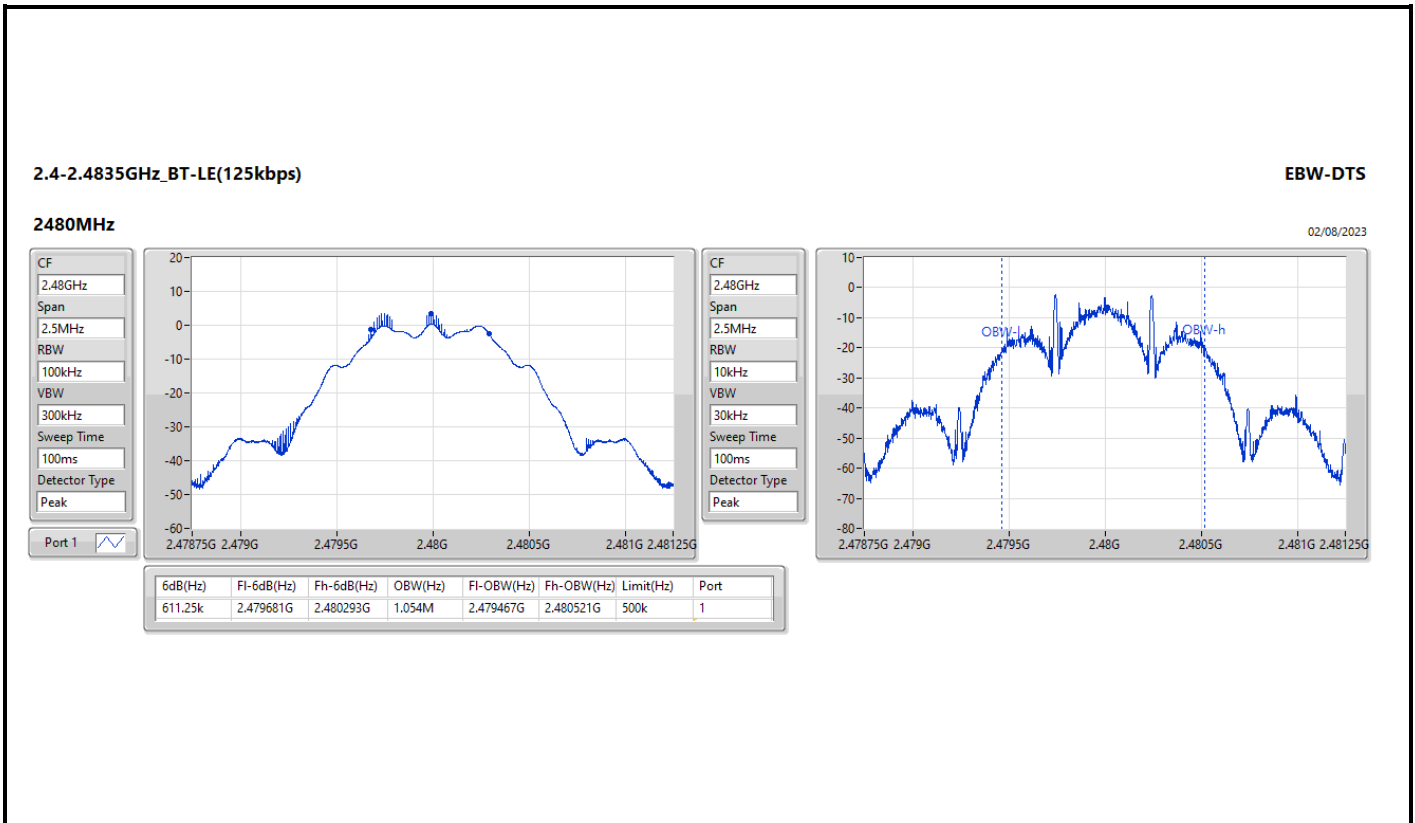
2.4-2.4835GHz\_BT-LE(125kbps)

EBW-DTS

2440MHz

02/08/2023







**Summary**

Mode	Total Power (dBm)	Power (W)
2.4-2.4835GHz	-	-
BT-LE(125kbps)	5.09	0.00323



**Result**

Mode	Result	DG (dBi)	Total Power (dBm)	Power Limit (dBm)
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	3.20	4.65	30.00
2440MHz	Pass	3.20	5.09	30.00
2480MHz	Pass	3.20	3.69	30.00

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



**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
BT-LE(125kbps)	-1.15

RBW = 3kHz;

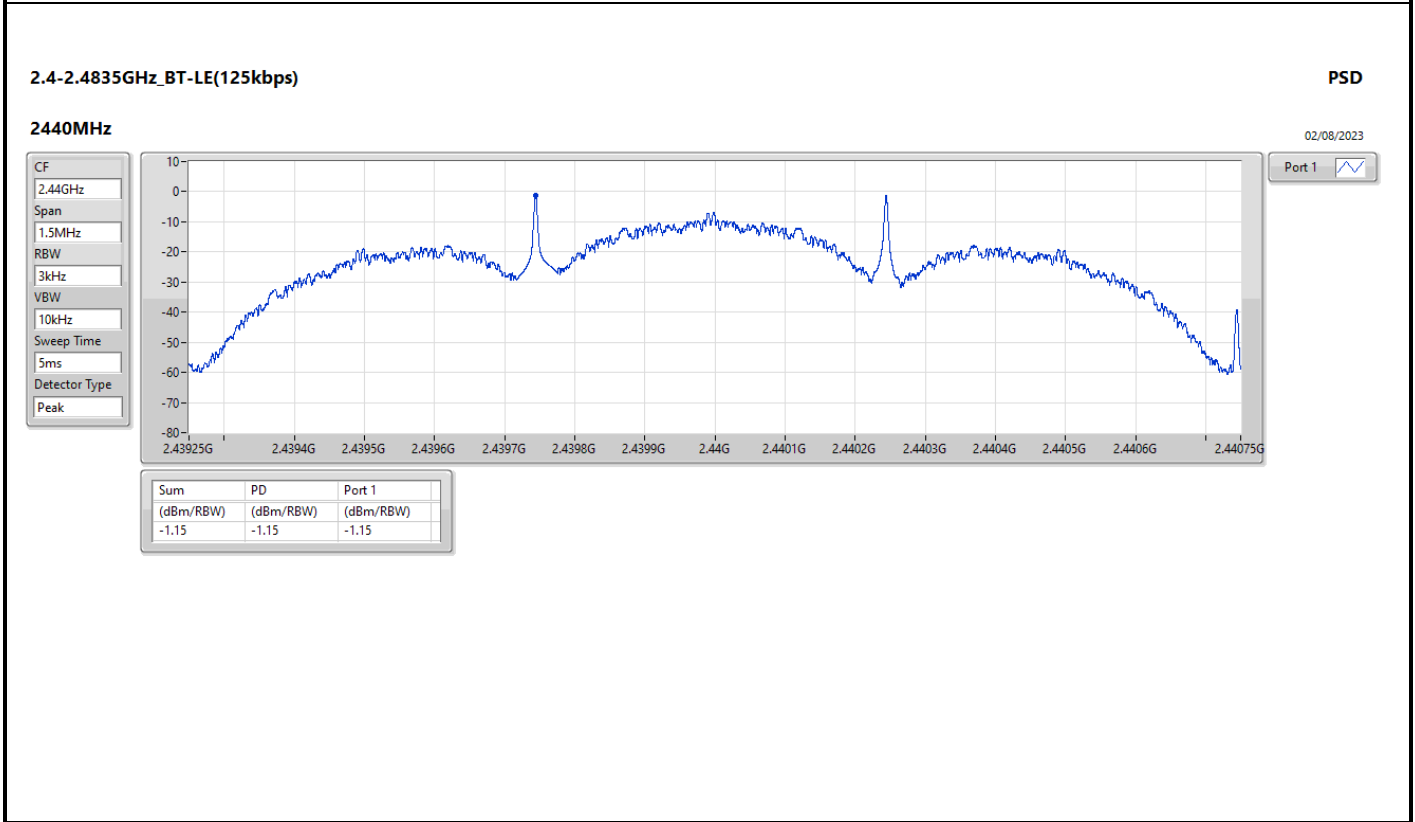
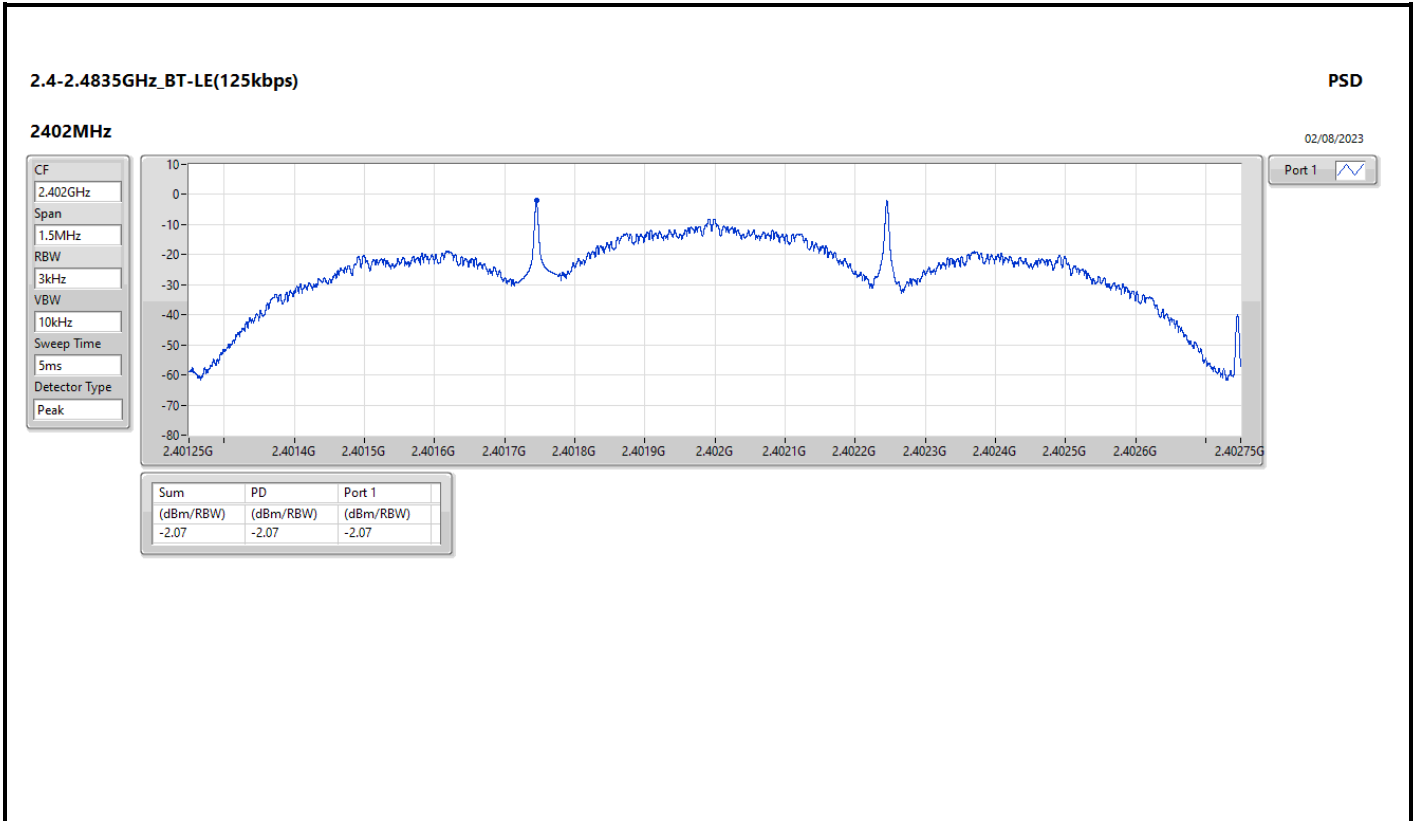


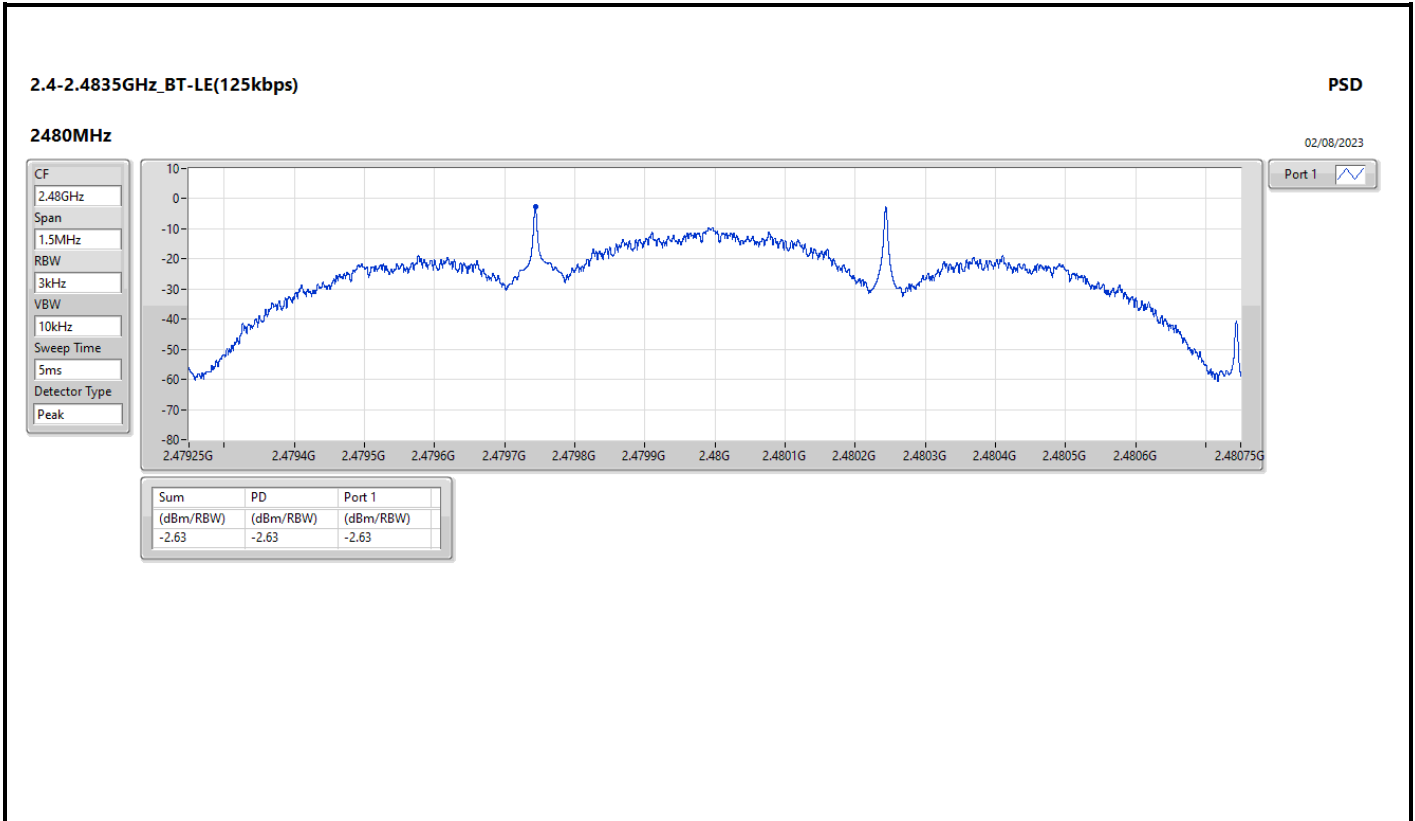
Result

Mode	Result	DG (dBi)	PD (dBm/RBW)	PD Limit (dBm/RBW)
BT-LE(125kbps)	-	-	-	-
2402MHz	Pass	3.20	-2.07	8.00
2440MHz	Pass	3.20	-1.15	8.00
2480MHz	Pass	3.20	-2.63	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;









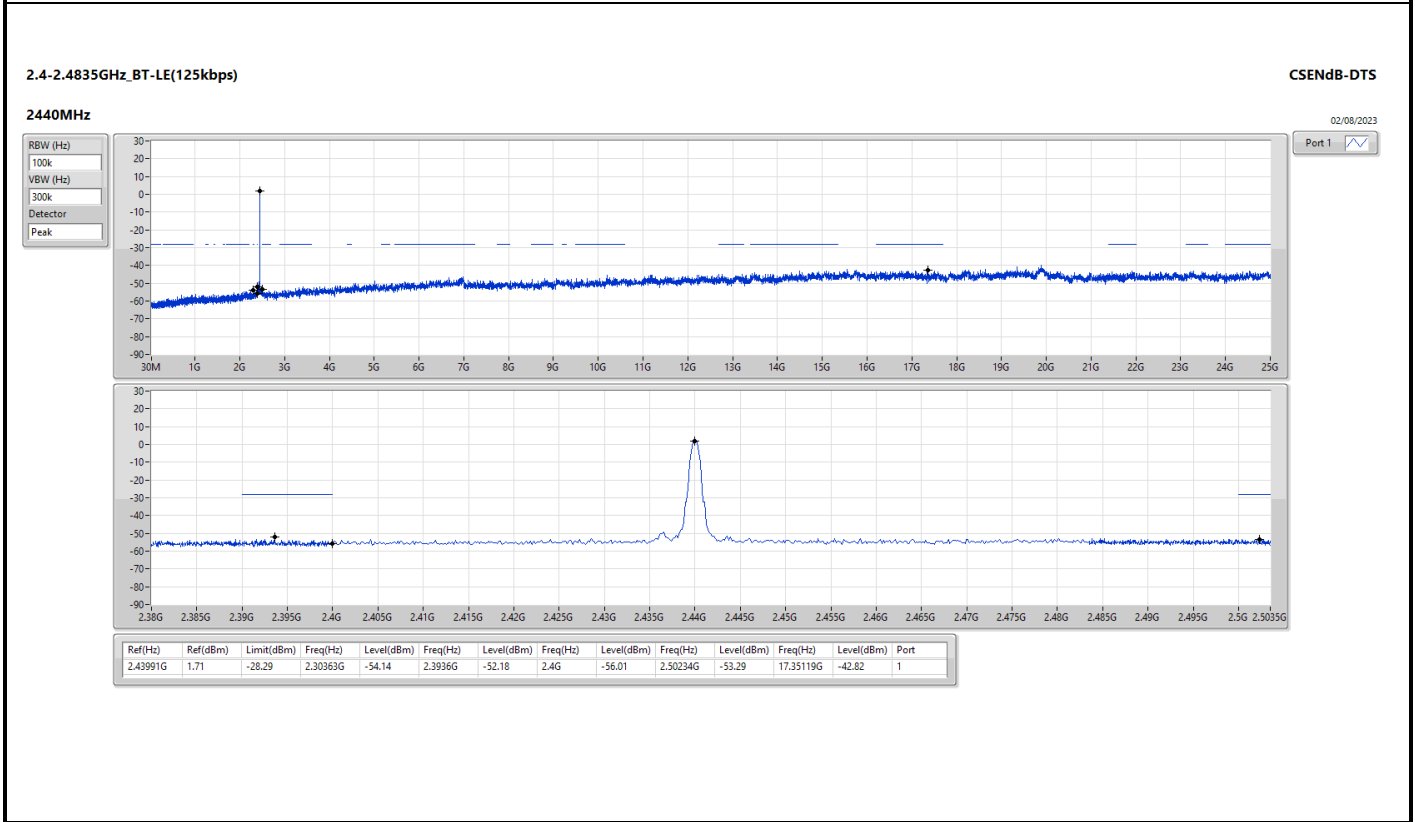
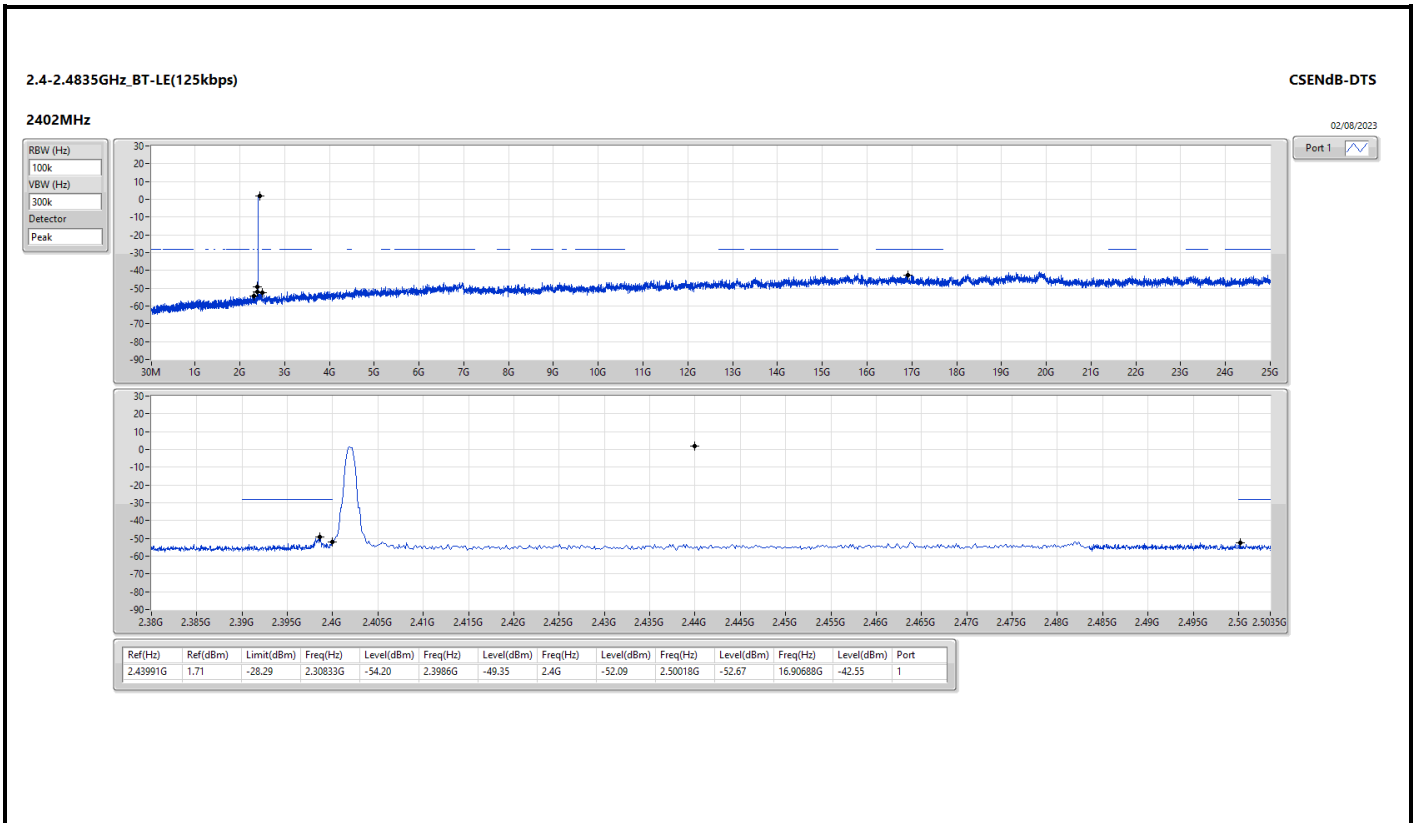
Summary

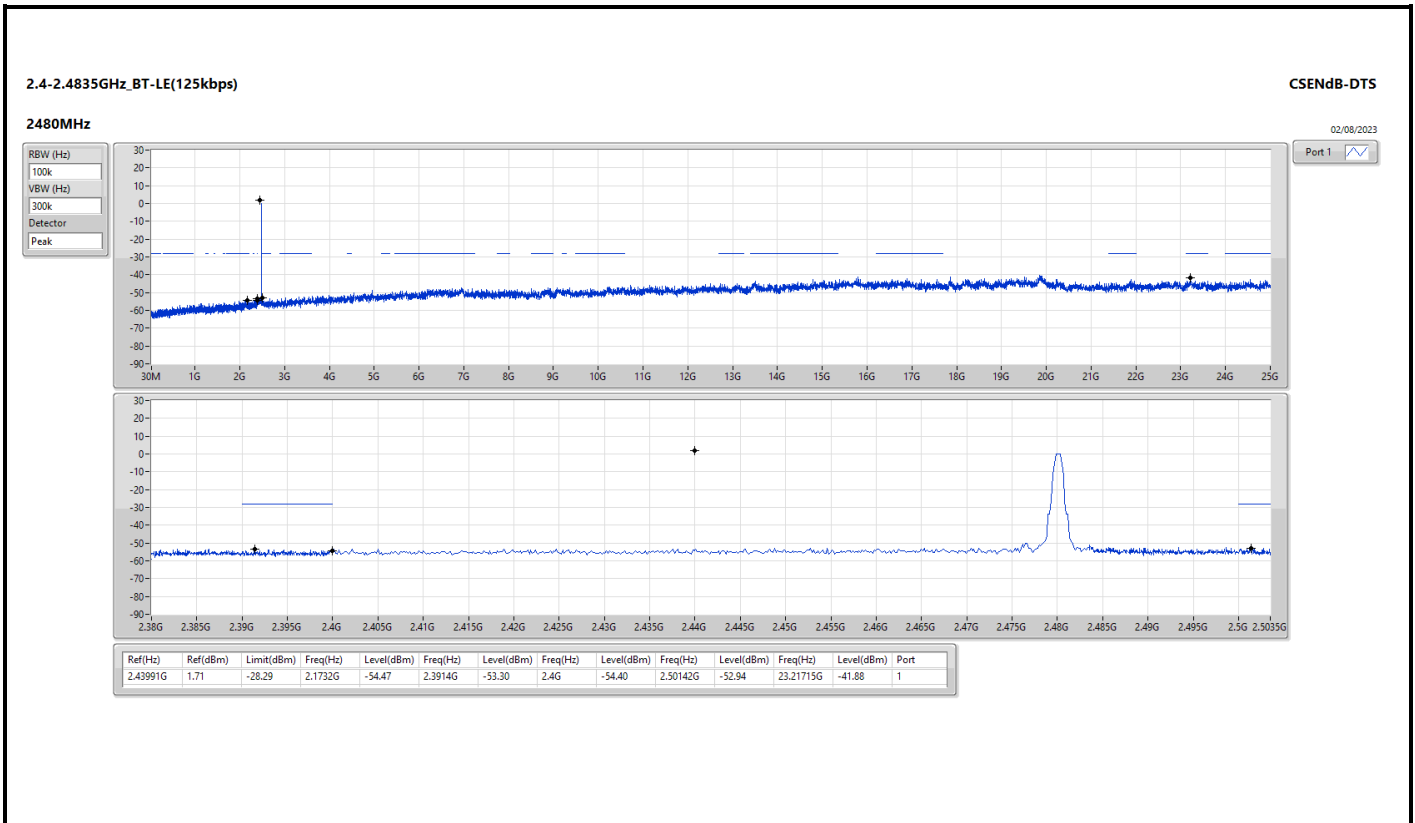
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
BT-LE(125kbps)	Pass	2.43991G	1.71	-28.29	2.30833G	-54.20	2.3986G	-49.35	2.4G	-52.09	2.50018G	-52.67	16.90688G	-42.55	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(125kbps)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	2.43991G	1.71	-28.29	2.30833G	-54.20	2.3986G	-49.35	2.4G	-52.09	2.50018G	-52.67	16.90688G	-42.55	1
2440MHz	Pass	2.43991G	1.71	-28.29	2.30363G	-54.14	2.3936G	-52.18	2.4G	-56.01	2.50234G	-53.29	17.35119G	-42.82	1
2480MHz	Pass	2.43991G	1.71	-28.29	2.1732G	-54.47	2.3914G	-53.30	2.4G	-54.40	2.50142G	-52.94	23.21715G	-41.88	1







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(125kbps)	Pass	PK	373.38M	39.82	46.00	-6.18	3	Horizontal	0	1.00



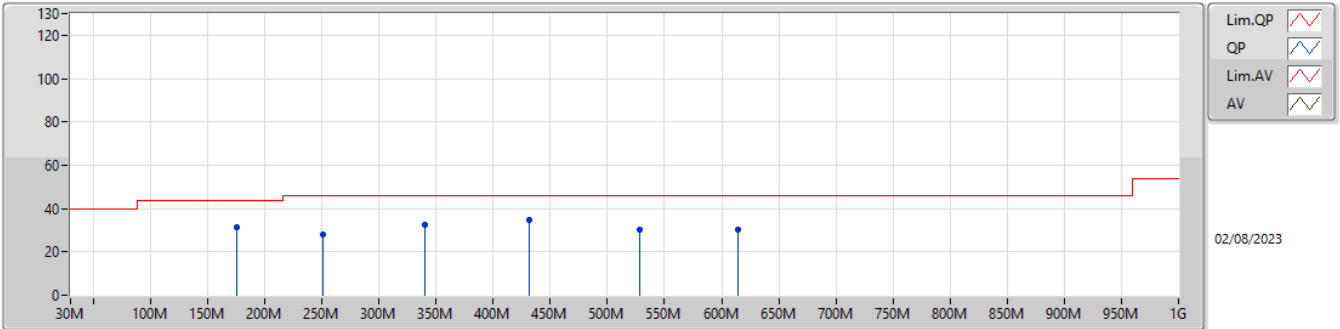
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2440MHz	Pass	PK	175.5M	31.60	43.50	-11.90	3	Vertical	360	1.00
2440MHz	Pass	PK	251.16M	27.98	46.00	-18.02	3	Vertical	360	1.00
2440MHz	Pass	PK	340.4M	32.58	46.00	-13.42	3	Vertical	360	1.00
2440MHz	Pass	PK	431.58M	34.65	46.00	-11.35	3	Vertical	360	1.00
2440MHz	Pass	PK	528.58M	30.11	46.00	-15.89	3	Vertical	360	1.00
2440MHz	Pass	PK	613.94M	30.20	46.00	-15.80	3	Vertical	360	1.00
2440MHz	Pass	PK	107.6M	33.88	43.50	-9.62	3	Horizontal	0	1.00
2440MHz	Pass	PK	167.74M	35.99	43.50	-7.51	3	Horizontal	0	1.00
2440MHz	Pass	PK	262.8M	36.02	46.00	-9.98	3	Horizontal	0	1.00
2440MHz	Pass	PK	373.38M	39.82	46.00	-6.18	3	Horizontal	0	1.00
2440MHz	Pass	PK	443.22M	37.84	46.00	-8.16	3	Horizontal	0	1.00
2440MHz	Pass	PK	503.36M	37.14	46.00	-8.86	3	Horizontal	0	1.00



2.4-2.4835GHz\_BT-LE(125kbps)

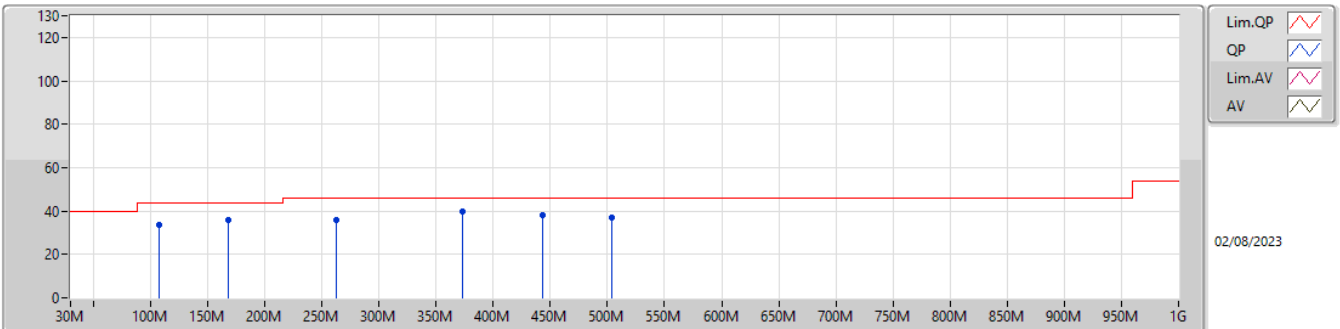
2440MHz\_TX



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	175.5M	31.60	43.50	-11.90	-20.43	3	Vertical	360	1.00	52.03	14.49	1.49	36.41
PK	251.16M	27.98	46.00	-18.02	-16.72	3	Vertical	360	1.00	44.70	17.86	1.84	36.42
PK	340.4M	32.58	46.00	-13.42	-15.08	3	Vertical	360	1.00	47.66	19.19	2.20	36.47
PK	431.58M	34.65	46.00	-11.35	-12.10	3	Vertical	360	1.00	46.75	21.96	2.51	36.57
PK	528.58M	30.11	46.00	-15.89	-11.05	3	Vertical	360	1.00	41.16	23.11	2.83	36.99
PK	613.94M	30.20	46.00	-15.80	-8.98	3	Vertical	360	1.00	39.18	25.03	3.07	37.08

2.4-2.4835GHz\_BT-LE(125kbps)

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	107.6M	33.88	43.50	-9.62	-19.46	3	Horizontal	0	1.00	53.34	15.97	1.14	36.57
PK	167.74M	35.99	43.50	-7.51	-19.84	3	Horizontal	0	1.00	55.83	15.09	1.44	36.37
PK	262.8M	36.02	46.00	-9.98	-15.36	3	Horizontal	0	1.00	51.38	19.16	1.89	36.41
PK	373.38M	39.82	46.00	-6.18	-14.18	3	Horizontal	0	1.00	54.00	19.99	2.31	36.48
PK	443.22M	37.84	46.00	-8.16	-11.99	3	Horizontal	0	1.00	49.83	22.07	2.55	36.61
PK	503.36M	37.14	46.00	-8.86	-11.05	3	Horizontal	0	1.00	48.19	23.11	2.74	36.90



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(125kbps)	Pass	AV	2.4838G	46.40	54.00	-7.60	3	Horizontal	85	1.12

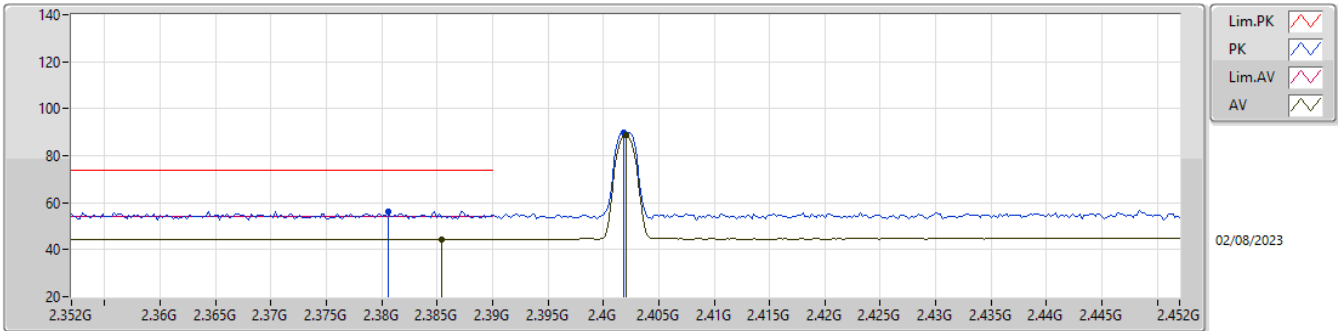


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.3854G	44.50	54.00	-9.50	3	Vertical	98	3.00
2402MHz	Pass	AV	2.402G	88.90	Inf	-Inf	3	Vertical	98	3.00
2402MHz	Pass	PK	2.3806G	56.46	74.00	-17.54	3	Vertical	98	3.00
2402MHz	Pass	PK	2.4018G	90.04	Inf	-Inf	3	Vertical	98	3.00
2402MHz	Pass	AV	2.3892G	44.57	54.00	-9.43	3	Horizontal	81	1.24
2402MHz	Pass	AV	2.402G	100.57	Inf	-Inf	3	Horizontal	81	1.24
2402MHz	Pass	PK	2.3872G	55.82	74.00	-18.18	3	Horizontal	81	1.24
2402MHz	Pass	PK	2.4018G	101.63	Inf	-Inf	3	Horizontal	81	1.24
2402MHz	Pass	AV	4.80434G	37.44	54.00	-16.56	3	Vertical	11	2.91
2402MHz	Pass	PK	4.80371G	48.32	74.00	-25.68	3	Vertical	11	2.91
2402MHz	Pass	AV	4.804G	44.18	54.00	-9.82	3	Horizontal	102	1.01
2402MHz	Pass	PK	4.80347G	52.42	74.00	-21.58	3	Horizontal	102	1.01
2440MHz	Pass	AV	2.3864G	44.56	54.00	-9.44	3	Vertical	36	2.96
2440MHz	Pass	AV	2.44G	91.20	Inf	-Inf	3	Vertical	36	2.96
2440MHz	Pass	AV	2.486G	45.39	54.00	-8.61	3	Vertical	36	2.96
2440MHz	Pass	PK	2.358G	55.90	74.00	-18.10	3	Vertical	36	2.96
2440MHz	Pass	PK	2.4404G	92.34	Inf	-Inf	3	Vertical	36	2.96
2440MHz	Pass	PK	2.5G	57.07	74.00	-16.93	3	Vertical	36	2.96
2440MHz	Pass	AV	2.36G	44.86	54.00	-9.14	3	Horizontal	82	1.16
2440MHz	Pass	AV	2.44G	101.94	Inf	-Inf	3	Horizontal	82	1.16
2440MHz	Pass	AV	2.4968G	45.43	54.00	-8.57	3	Horizontal	82	1.16
2440MHz	Pass	PK	2.3796G	56.24	74.00	-17.76	3	Horizontal	82	1.16
2440MHz	Pass	PK	2.4404G	102.95	Inf	-Inf	3	Horizontal	82	1.16
2440MHz	Pass	PK	2.4948G	56.40	74.00	-17.60	3	Horizontal	82	1.16
2440MHz	Pass	AV	4.88027G	36.04	54.00	-17.96	3	Vertical	236	1.00
2440MHz	Pass	PK	4.87956G	47.42	74.00	-26.58	3	Vertical	236	1.00
2440MHz	Pass	AV	4.87998G	44.40	54.00	-9.60	3	Horizontal	101	1.01
2440MHz	Pass	PK	4.8795G	51.96	74.00	-22.04	3	Horizontal	101	1.01
2480MHz	Pass	AV	2.48G	90.31	Inf	-Inf	3	Vertical	181	2.59
2480MHz	Pass	AV	2.4996G	45.37	54.00	-8.63	3	Vertical	181	2.59
2480MHz	Pass	PK	2.4802G	91.41	Inf	-Inf	3	Vertical	181	2.59
2480MHz	Pass	PK	2.4894G	57.47	74.00	-16.53	3	Vertical	181	2.59
2480MHz	Pass	AV	2.48G	100.30	Inf	-Inf	3	Horizontal	85	1.12
2480MHz	Pass	AV	2.4838G	46.40	54.00	-7.60	3	Horizontal	85	1.12
2480MHz	Pass	PK	2.4798G	101.36	Inf	-Inf	3	Horizontal	85	1.12
2480MHz	Pass	PK	2.4836G	56.88	74.00	-17.12	3	Horizontal	85	1.12
2480MHz	Pass	AV	4.96026G	36.10	54.00	-17.90	3	Vertical	238	1.10
2480MHz	Pass	PK	4.96035G	47.87	74.00	-26.13	3	Vertical	238	1.10
2480MHz	Pass	AV	4.96021G	43.14	54.00	-10.86	3	Horizontal	103	1.05
2480MHz	Pass	PK	4.96055G	51.60	74.00	-22.40	3	Horizontal	103	1.05

2.4-2.4835GHz\_BT-LE(125kbps)

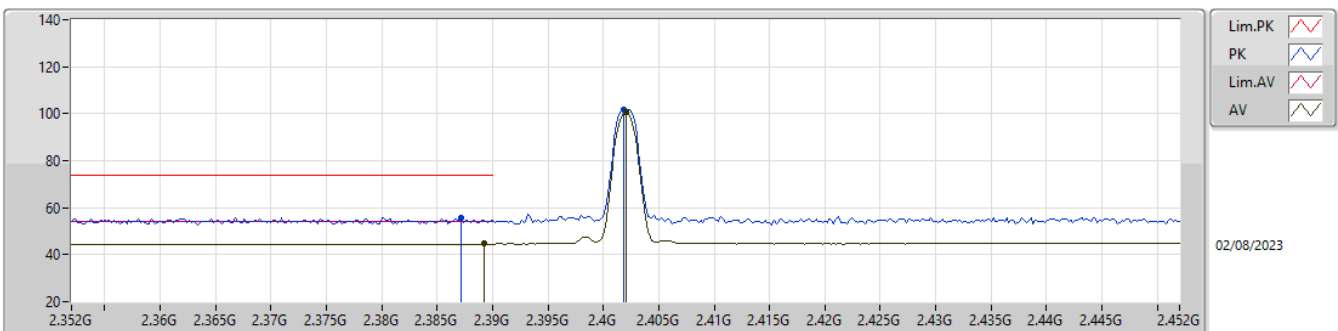
2402MHz\_TX



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	2.3854G	44.50	54.00	-9.50	31.12	3	Vertical	98	3.00	13.38	27.37	3.75	-
AV	2.402G	88.90	Inf	-Inf	31.17	3	Vertical	98	3.00	57.73	27.40	3.77	-
PK	2.3806G	56.46	74.00	-17.54	31.11	3	Vertical	98	3.00	25.35	27.36	3.75	-
PK	2.4018G	90.04	Inf	-Inf	31.17	3	Vertical	98	3.00	58.87	27.40	3.77	-

2.4-2.4835GHz\_BT-LE(125kbps)

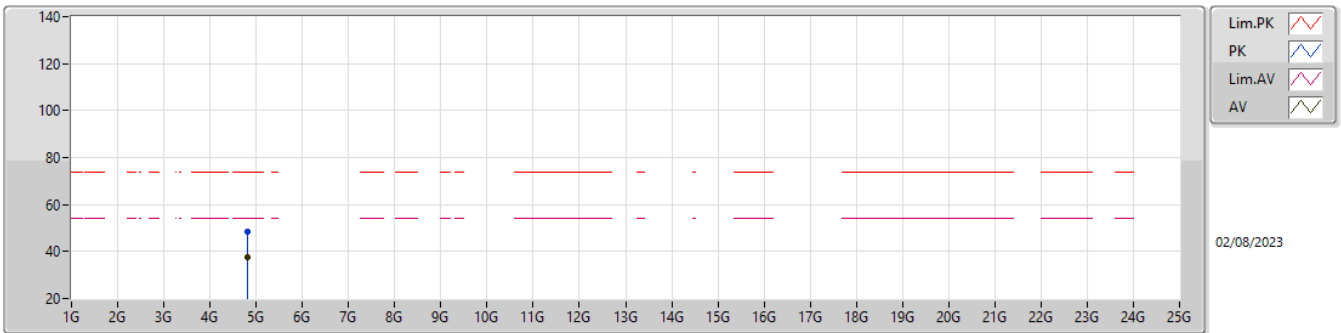
2402MHz\_TX



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	2.3892G	44.57	54.00	-9.43	31.14	3	Horizontal	81	1.24	13.43	27.38	3.76	-
AV	2.402G	100.57	Inf	-Inf	31.17	3	Horizontal	81	1.24	69.40	27.40	3.77	-
PK	2.3872G	55.82	74.00	-18.18	31.13	3	Horizontal	81	1.24	24.69	27.37	3.76	-
PK	2.4018G	101.63	Inf	-Inf	31.17	3	Horizontal	81	1.24	70.46	27.40	3.77	-

2.4-2.4835GHz\_BT-LE(125kbps)

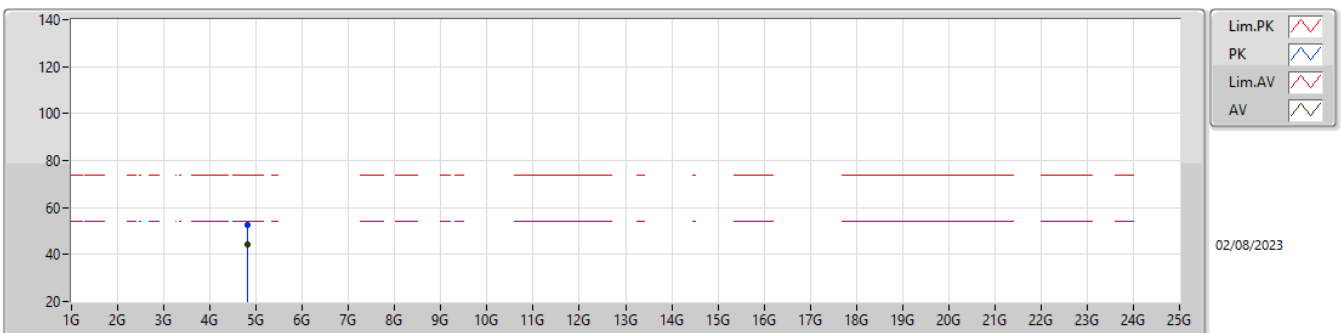
2402MHz\_TX



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	4.80434G	37.44	54.00	-16.56	2.42	3	Vertical	11	2.91	35.02	32.33	5.32	35.23
PK	4.80371G	48.32	74.00	-25.68	2.41	3	Vertical	11	2.91	45.91	32.32	5.32	35.23

2.4-2.4835GHz\_BT-LE(125kbps)

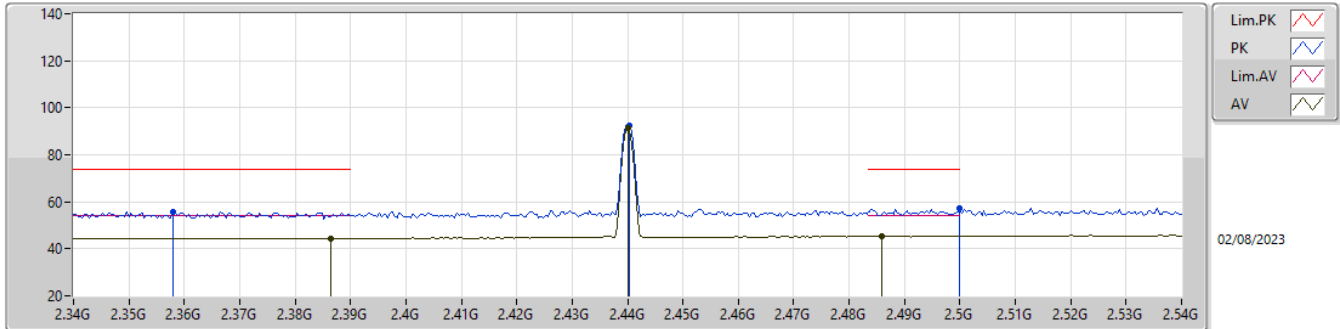
2402MHz\_TX



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	4.804G	44.18	54.00	-9.82	2.41	3	Horizontal	102	1.01	41.77	32.32	5.32	35.23
PK	4.80347G	52.42	74.00	-21.58	2.41	3	Horizontal	102	1.01	50.01	32.32	5.32	35.23

2.4-2.4835GHz\_BT-LE(125kbps)

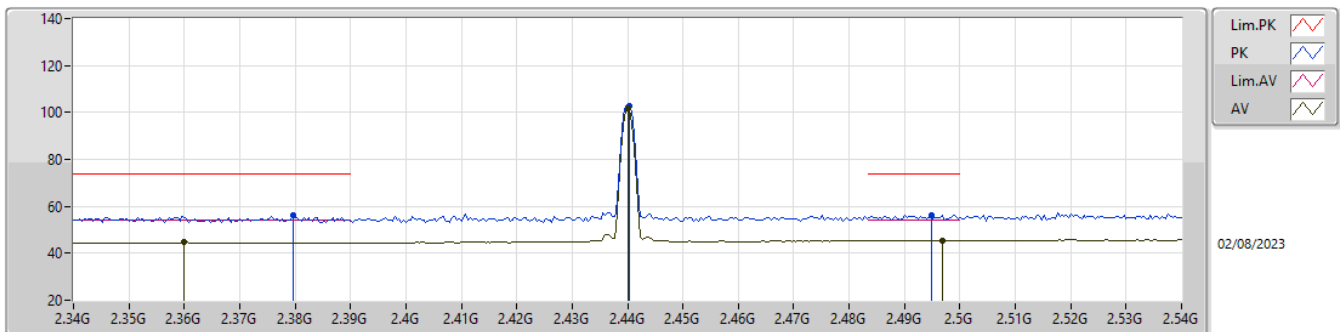
2440MHz\_TX



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	2.3864G	44.56	54.00	-9.44	31.13	3	Vertical	36	2.96	13.43	27.37	3.76	-
AV	2.44G	91.20	Inf	-Inf	31.28	3	Vertical	36	2.96	59.92	27.48	3.80	-
AV	2.486G	45.39	54.00	-8.61	31.56	3	Vertical	36	2.96	13.83	27.72	3.84	-
PK	2.358G	55.90	74.00	-18.10	31.05	3	Vertical	36	2.96	24.85	27.32	3.73	-
PK	2.4404G	92.34	Inf	-Inf	31.28	3	Vertical	36	2.96	61.06	27.48	3.80	-
PK	2.5G	57.07	74.00	-16.93	31.65	3	Vertical	36	2.96	25.42	27.80	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

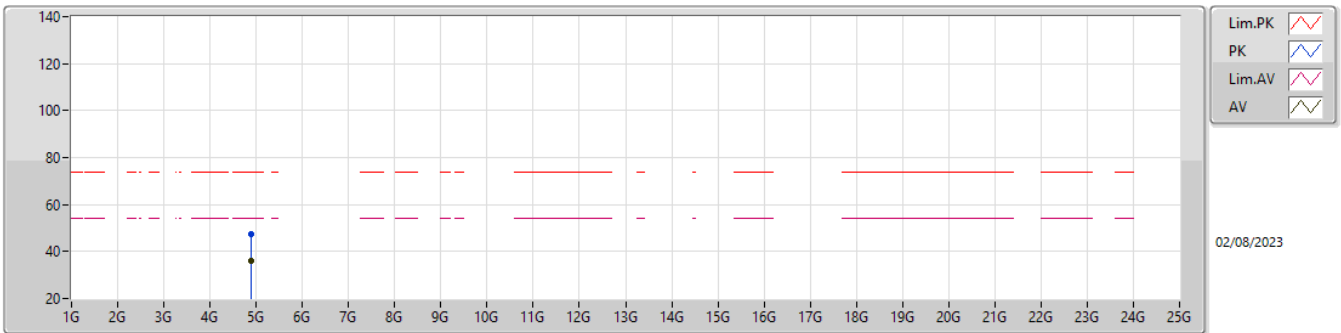
2440MHz\_TX



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	2.36G	44.86	54.00	-9.14	31.05	3	Horizontal	82	1.16	13.81	27.32	3.73	-
AV	2.44G	101.94	Inf	-Inf	31.28	3	Horizontal	82	1.16	70.66	27.48	3.80	-
AV	2.4968G	45.43	54.00	-8.57	31.63	3	Horizontal	82	1.16	13.80	27.78	3.85	-
PK	2.3796G	56.24	74.00	-17.76	31.11	3	Horizontal	82	1.16	25.13	27.36	3.75	-
PK	2.4404G	102.95	Inf	-Inf	31.28	3	Horizontal	82	1.16	71.67	27.48	3.80	-
PK	2.4948G	56.40	74.00	-17.60	31.62	3	Horizontal	82	1.16	24.78	27.77	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

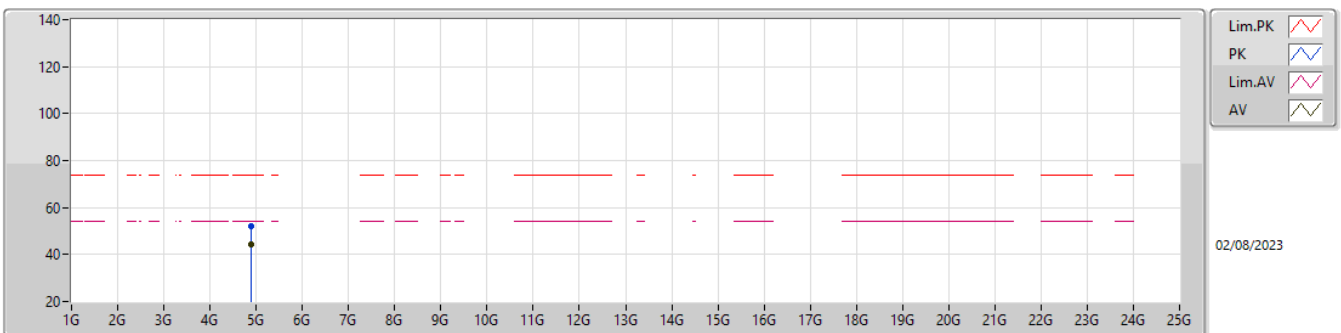
2440MHz\_TX



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	4.88027G	36.04	54.00	-17.96	2.77	3	Vertical	236	1.00	33.27	32.60	5.38	35.21
PK	4.87956G	47.42	74.00	-26.58	2.77	3	Vertical	236	1.00	44.65	32.60	5.38	35.21

2.4-2.4835GHz\_BT-LE(125kbps)

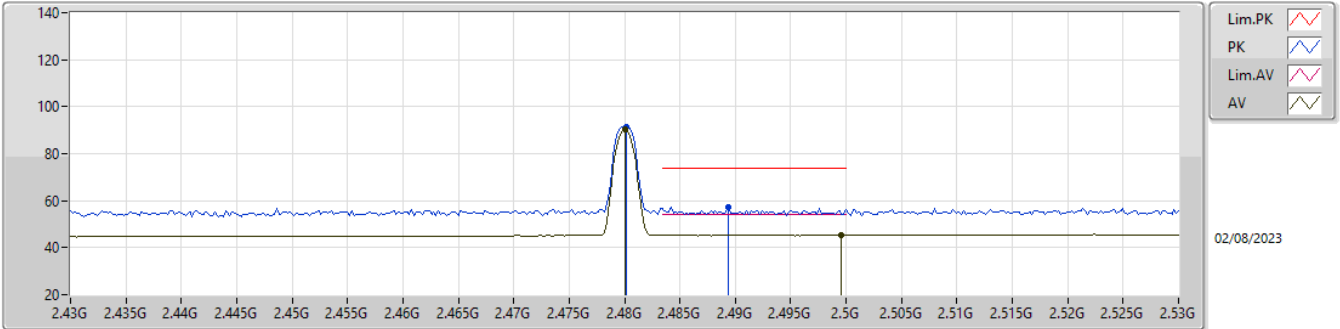
2440MHz\_TX



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	4.87998G	44.40	54.00	-9.60	2.77	3	Horizontal	101	1.01	41.63	32.60	5.38	35.21
PK	4.8795G	51.96	74.00	-22.04	2.77	3	Horizontal	101	1.01	49.19	32.60	5.38	35.21

2.4-2.4835GHz\_BT-LE(125kbps)

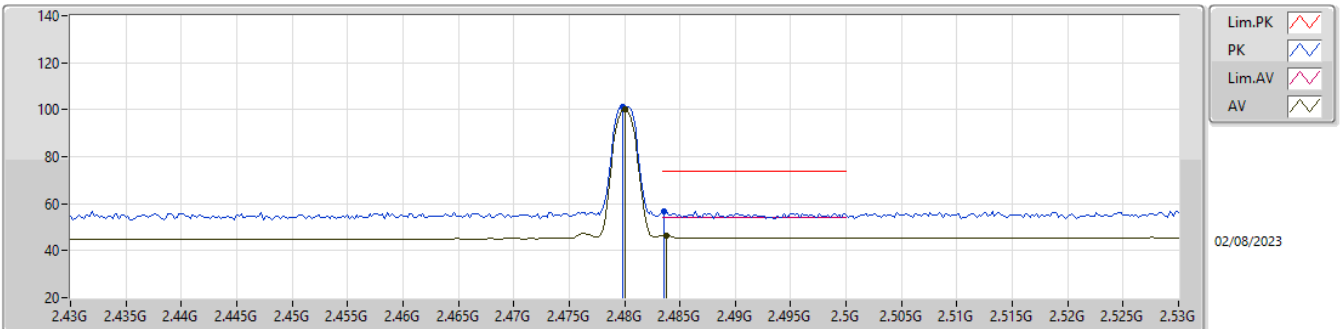
2480MHz\_TX



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	90.31	Inf	-Inf	31.52	3	Vertical	181	2.59	58.79	27.68	3.84	-
AV	2.4996G	45.37	54.00	-8.63	31.65	3	Vertical	181	2.59	13.72	27.80	3.85	-
PK	2.4802G	91.41	Inf	-Inf	31.52	3	Vertical	181	2.59	59.89	27.68	3.84	-
PK	2.4894G	57.47	74.00	-16.53	31.59	3	Vertical	181	2.59	25.88	27.74	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

2480MHz\_TX

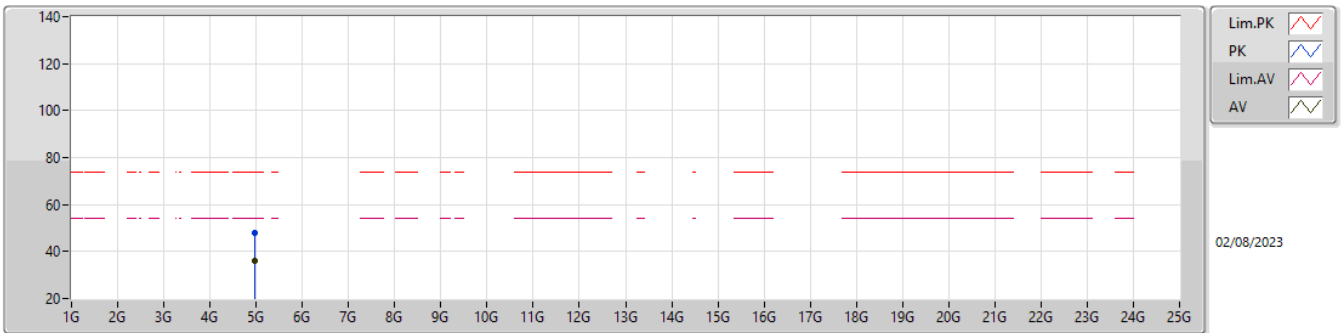


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.48G	100.30	Inf	-Inf	31.52	3	Horizontal	85	1.12	68.78	27.68	3.84	-
AV	2.4838G	46.40	54.00	-7.60	31.54	3	Horizontal	85	1.12	14.86	27.70	3.84	-
PK	2.4798G	101.36	Inf	-Inf	31.52	3	Horizontal	85	1.12	69.84	27.68	3.84	-
PK	2.4836G	56.88	74.00	-17.12	31.54	3	Horizontal	85	1.12	25.34	27.70	3.84	-



2.4-2.4835GHz\_BT-LE(125kbps)

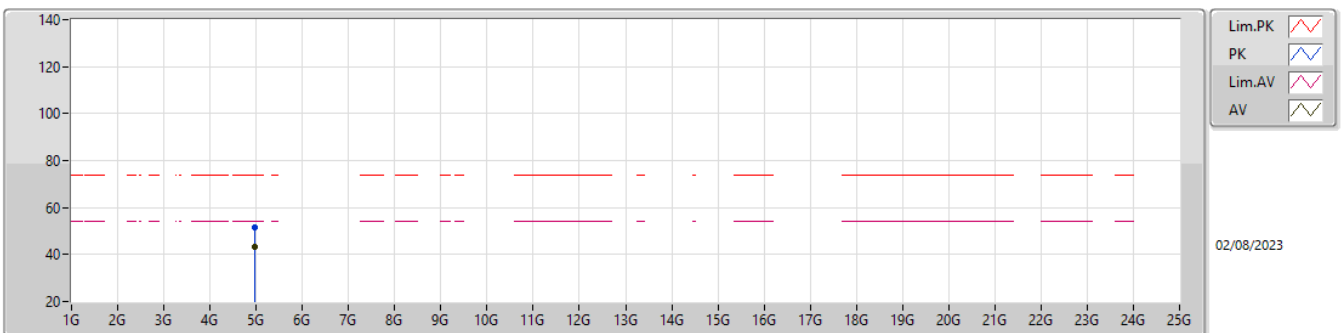
2480MHz\_TX



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	4.96026G	36.10	54.00	-17.90	3.09	3	Vertical	238	1.10	33.01	32.84	5.44	35.19
PK	4.96035G	47.87	74.00	-26.13	3.09	3	Vertical	238	1.10	44.78	32.84	5.44	35.19

2.4-2.4835GHz\_BT-LE(125kbps)

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	4.96021G	43.14	54.00	-10.86	3.09	3	Horizontal	103	1.05	40.05	32.84	5.44	35.19
PK	4.96055G	51.60	74.00	-22.40	3.09	3	Horizontal	103	1.05	48.51	32.84	5.44	35.19



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(125kbps)	Pass	PK	144.46M	39.22	43.50	-4.28	3	Horizontal	0	1.00

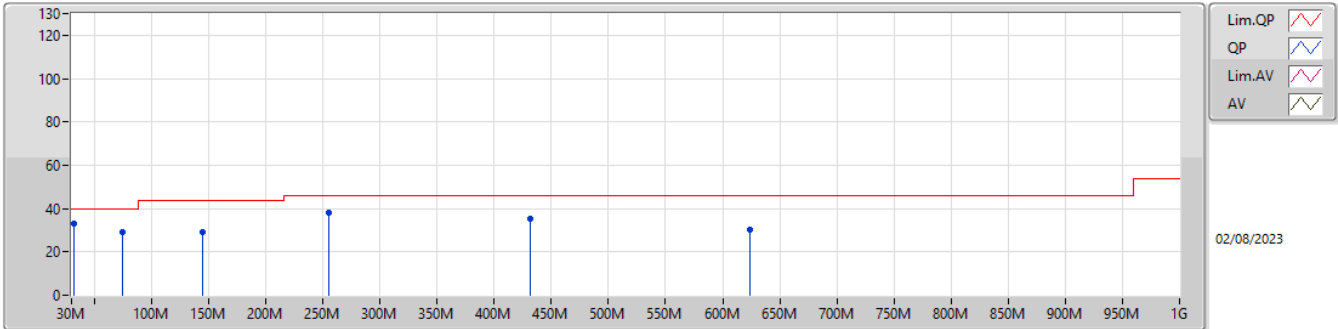


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	PK	31.94M	33.18	40.00	-6.82	3	Vertical	360	1.00
2402MHz	Pass	PK	74.62M	29.04	40.00	-10.96	3	Vertical	360	1.00
2402MHz	Pass	PK	144.46M	29.13	43.50	-14.37	3	Vertical	360	1.00
2402MHz	Pass	PK	255.04M	38.18	46.00	-7.82	3	Vertical	360	1.00
2402MHz	Pass	PK	431.58M	35.33	46.00	-10.67	3	Vertical	360	1.00
2402MHz	Pass	PK	623.64M	30.31	46.00	-15.69	3	Vertical	360	1.00
2402MHz	Pass	PK	119.24M	39.04	43.50	-4.46	3	Horizontal	0	1.00
2402MHz	Pass	PK	144.46M	39.22	43.50	-4.28	3	Horizontal	0	1.00
2402MHz	Pass	PK	253.1M	38.76	46.00	-7.24	3	Horizontal	0	1.00
2402MHz	Pass	PK	419.94M	40.22	46.00	-5.78	3	Horizontal	0	1.00
2402MHz	Pass	PK	456.8M	40.11	46.00	-5.89	3	Horizontal	0	1.00
2402MHz	Pass	PK	516.94M	39.31	46.00	-6.69	3	Horizontal	0	1.00

2.4-2.4835GHz\_BT-LE(125kbps)

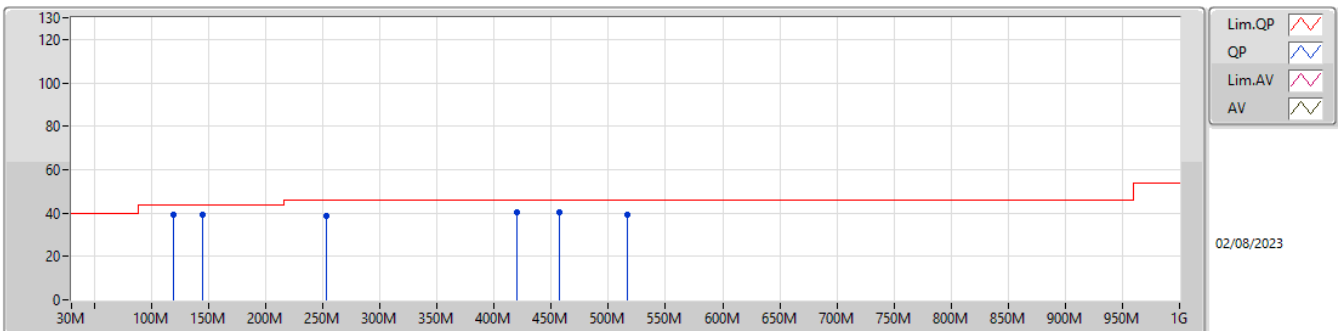
2402MHz\_TX



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	31.94M	33.18	40.00	-6.82	-13.83	3	Vertical	360	1.00	47.01	22.68	0.59	37.10
PK	74.62M	29.04	40.00	-10.96	-23.93	3	Vertical	360	1.00	52.97	11.95	0.94	36.82
PK	144.46M	29.13	43.50	-14.37	-18.57	3	Vertical	360	1.00	47.70	16.45	1.33	36.35
PK	255.04M	38.18	46.00	-7.82	-16.12	3	Vertical	360	1.00	54.30	18.44	1.86	36.42
PK	431.58M	35.33	46.00	-10.67	-12.10	3	Vertical	360	1.00	47.43	21.96	2.51	36.57
PK	623.64M	30.31	46.00	-15.69	-8.61	3	Vertical	360	1.00	38.92	25.37	3.10	37.08

2.4-2.4835GHz\_BT-LE(125kbps)

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	119.24M	39.04	43.50	-4.46	-18.63	3	Horizontal	0	1.00	57.67	16.70	1.20	36.53
PK	144.46M	39.22	43.50	-4.28	-18.57	3	Horizontal	0	1.00	57.79	16.45	1.33	36.35
PK	253.1M	38.76	46.00	-7.24	-16.42	3	Horizontal	0	1.00	55.18	18.15	1.85	36.42
PK	419.94M	40.22	46.00	-5.78	-12.37	3	Horizontal	0	1.00	52.59	21.69	2.47	36.53
PK	456.8M	40.11	46.00	-5.89	-11.71	3	Horizontal	0	1.00	51.82	22.37	2.59	36.67
PK	516.94M	39.31	46.00	-6.69	-11.04	3	Horizontal	0	1.00	50.35	23.12	2.79	36.95



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(125kbps)	Pass	AV	2.4836G	45.76	54.00	-8.24	3	Horizontal	61	1.12

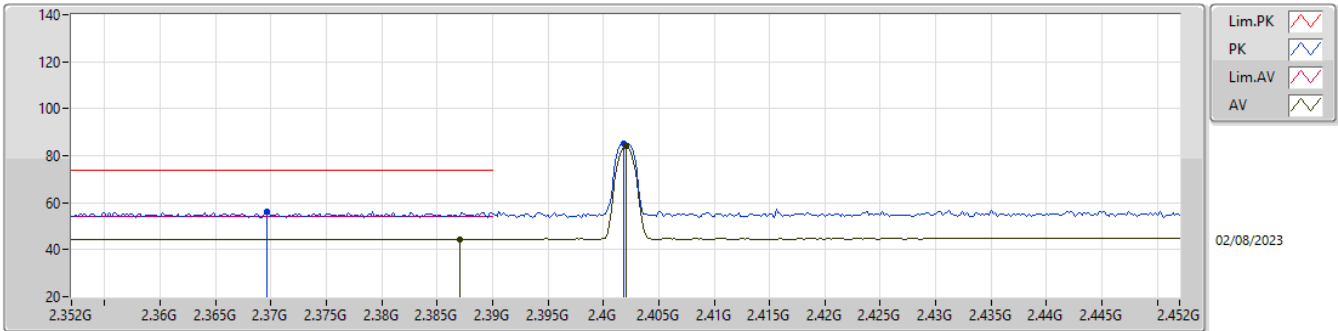


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
BT-LE(125kbps)	-	-	-	-	-	-	-	-	-	-
2402MHz	Pass	AV	2.387G	44.55	54.00	-9.45	3	Vertical	164	1.50
2402MHz	Pass	AV	2.402G	83.96	Inf	-Inf	3	Vertical	164	1.50
2402MHz	Pass	PK	2.3696G	56.07	74.00	-17.93	3	Vertical	164	1.50
2402MHz	Pass	PK	2.4018G	85.12	Inf	-Inf	3	Vertical	164	1.50
2402MHz	Pass	AV	2.3706G	44.51	54.00	-9.49	3	Horizontal	59	1.32
2402MHz	Pass	AV	2.402G	98.52	Inf	-Inf	3	Horizontal	59	1.32
2402MHz	Pass	PK	2.366G	56.41	74.00	-17.59	3	Horizontal	59	1.32
2402MHz	Pass	PK	2.4018G	99.54	Inf	-Inf	3	Horizontal	59	1.32
2402MHz	Pass	AV	4.80359G	36.51	54.00	-17.49	3	Vertical	186	1.90
2402MHz	Pass	PK	4.80348G	47.28	74.00	-26.72	3	Vertical	186	1.90
2402MHz	Pass	AV	4.80399G	45.58	54.00	-8.42	3	Horizontal	99	1.20
2402MHz	Pass	PK	4.80354G	52.86	74.00	-21.14	3	Horizontal	99	1.20
2440MHz	Pass	AV	2.3796G	44.59	54.00	-9.41	3	Vertical	98	2.98
2440MHz	Pass	AV	2.44G	89.95	Inf	-Inf	3	Vertical	98	2.98
2440MHz	Pass	AV	2.4984G	45.47	54.00	-8.53	3	Vertical	98	2.98
2440MHz	Pass	PK	2.3708G	56.52	74.00	-17.48	3	Vertical	98	2.98
2440MHz	Pass	PK	2.44G	90.97	Inf	-Inf	3	Vertical	98	2.98
2440MHz	Pass	PK	2.4892G	56.94	74.00	-17.06	3	Vertical	98	2.98
2440MHz	Pass	AV	2.374G	44.59	54.00	-9.41	3	Horizontal	58	1.14
2440MHz	Pass	AV	2.44G	98.12	Inf	-Inf	3	Horizontal	58	1.14
2440MHz	Pass	AV	2.4924G	45.40	54.00	-8.60	3	Horizontal	58	1.14
2440MHz	Pass	PK	2.36G	55.86	74.00	-18.14	3	Horizontal	58	1.14
2440MHz	Pass	PK	2.4396G	99.19	Inf	-Inf	3	Horizontal	58	1.14
2440MHz	Pass	PK	2.4936G	56.42	74.00	-17.58	3	Horizontal	58	1.14
2440MHz	Pass	AV	4.88039G	34.44	54.00	-19.56	3	Vertical	187	1.50
2440MHz	Pass	PK	4.87954G	45.99	74.00	-28.01	3	Vertical	187	1.50
2440MHz	Pass	AV	4.87998G	45.26	54.00	-8.74	3	Horizontal	103	1.04
2440MHz	Pass	PK	4.88056G	52.44	74.00	-21.56	3	Horizontal	103	1.04
2480MHz	Pass	AV	2.48G	85.98	Inf	-Inf	3	Vertical	146	2.60
2480MHz	Pass	AV	2.4974G	45.41	54.00	-8.59	3	Vertical	146	2.60
2480MHz	Pass	PK	2.4802G	87.14	Inf	-Inf	3	Vertical	146	2.60
2480MHz	Pass	PK	2.4926G	57.34	74.00	-16.66	3	Vertical	146	2.60
2480MHz	Pass	AV	2.48G	96.48	Inf	-Inf	3	Horizontal	61	1.12
2480MHz	Pass	AV	2.4836G	45.76	54.00	-8.24	3	Horizontal	61	1.12
2480MHz	Pass	PK	2.4802G	97.54	Inf	-Inf	3	Horizontal	61	1.12
2480MHz	Pass	PK	2.4838G	57.01	74.00	-16.99	3	Horizontal	61	1.12
2480MHz	Pass	AV	4.96033G	36.12	54.00	-17.88	3	Vertical	42	2.90
2480MHz	Pass	PK	4.95985G	46.99	74.00	-27.01	3	Vertical	42	2.90
2480MHz	Pass	AV	4.96007G	43.05	54.00	-10.95	3	Horizontal	102	1.01
2480MHz	Pass	PK	4.95955G	51.12	74.00	-22.88	3	Horizontal	102	1.01

2.4-2.4835GHz\_BT-LE(125kbps)

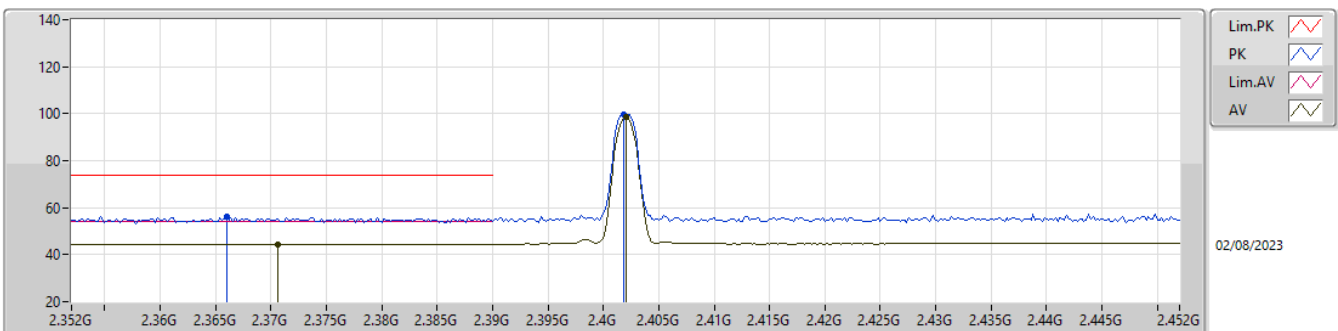
2402MHz\_TX



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	2.387G	44.55	54.00	-9.45	31.13	3	Vertical	164	1.50	13.42	27.37	3.76	-
AV	2.402G	83.96	Inf	-Inf	31.17	3	Vertical	164	1.50	52.79	27.40	3.77	-
PK	2.3696G	56.07	74.00	-17.93	31.08	3	Vertical	164	1.50	24.99	27.34	3.74	-
PK	2.4018G	85.12	Inf	-Inf	31.17	3	Vertical	164	1.50	53.95	27.40	3.77	-

2.4-2.4835GHz\_BT-LE(125kbps)

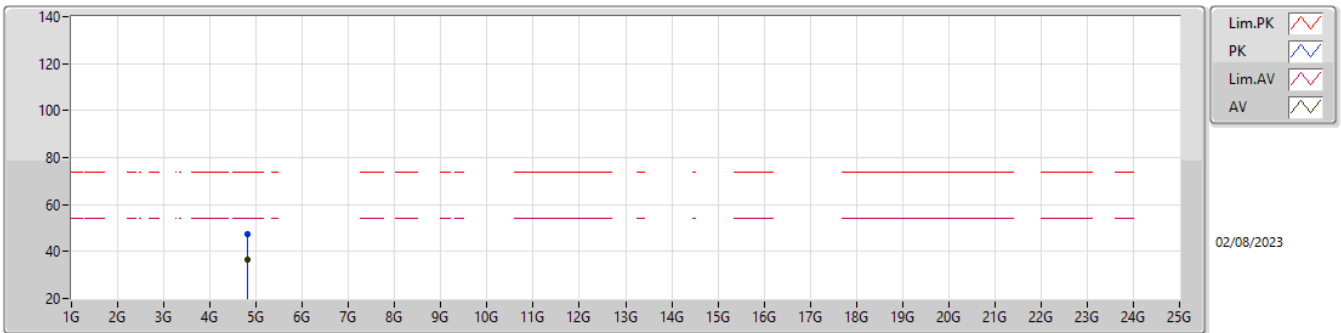
2402MHz\_TX



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	2.3706G	44.51	54.00	-9.49	31.08	3	Horizontal	59	1.32	13.43	27.34	3.74	-
AV	2.402G	98.52	Inf	-Inf	31.17	3	Horizontal	59	1.32	67.35	27.40	3.77	-
PK	2.366G	56.41	74.00	-17.59	31.06	3	Horizontal	59	1.32	25.35	27.33	3.73	-
PK	2.4018G	99.54	Inf	-Inf	31.17	3	Horizontal	59	1.32	68.37	27.40	3.77	-

2.4-2.4835GHz\_BT-LE(125kbps)

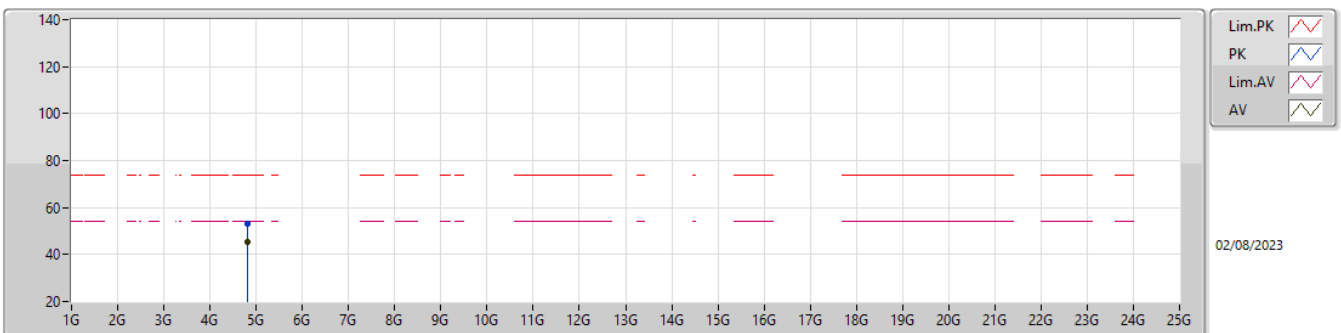
2402MHz\_TX



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	4.80359G	36.51	54.00	-17.49	2.41	3	Vertical	186	1.90	34.10	32.32	5.32	35.23
PK	4.80348G	47.28	74.00	-26.72	2.41	3	Vertical	186	1.90	44.87	32.32	5.32	35.23

2.4-2.4835GHz\_BT-LE(125kbps)

2402MHz\_TX

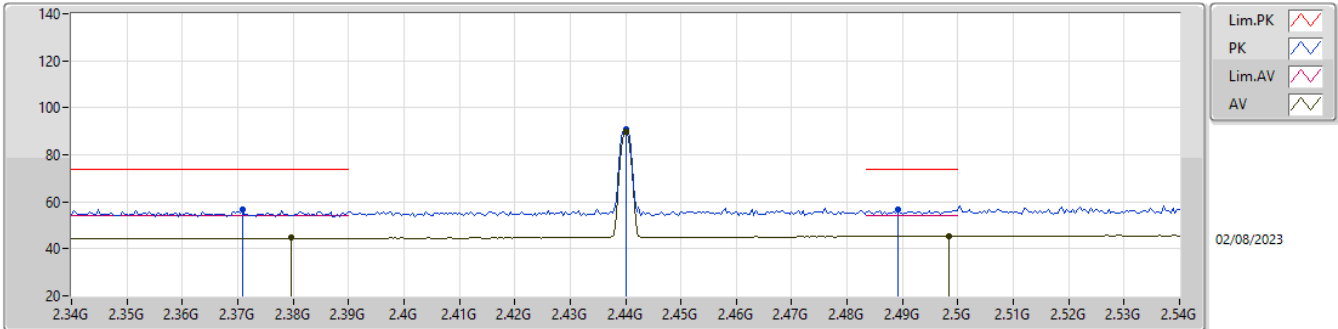


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.80399G	45.58	54.00	-8.42	2.41	3	Horizontal	99	1.20	43.17	32.32	5.32	35.23
PK	4.80354G	52.86	74.00	-21.14	2.41	3	Horizontal	99	1.20	50.45	32.32	5.32	35.23



2.4-2.4835GHz\_BT-LE(125kbps)

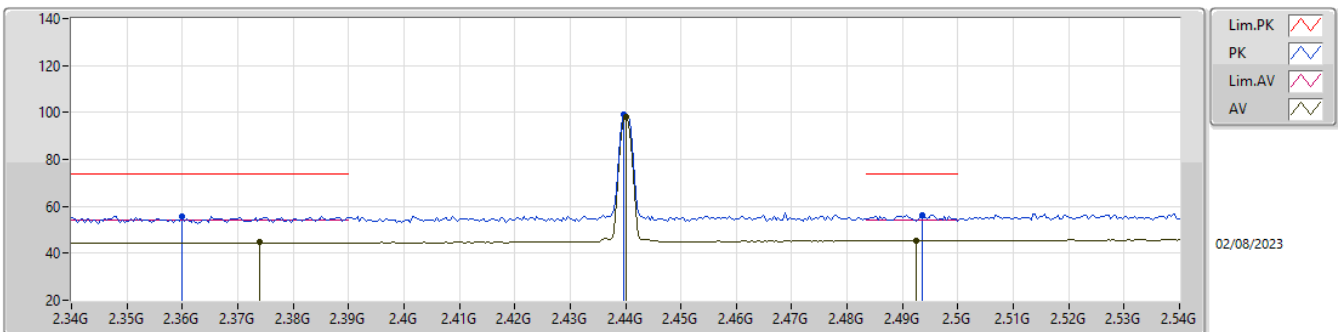
2440MHz\_TX



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	2.3796G	44.59	54.00	-9.41	31.11	3	Vertical	98	2.98	13.48	27.36	3.75	-
AV	2.44G	89.95	Inf	-Inf	31.28	3	Vertical	98	2.98	58.67	27.48	3.80	-
AV	2.4984G	45.47	54.00	-8.53	31.64	3	Vertical	98	2.98	13.83	27.79	3.85	-
PK	2.3708G	56.52	74.00	-17.48	31.08	3	Vertical	98	2.98	25.44	27.34	3.74	-
PK	2.44G	90.97	Inf	-Inf	31.28	3	Vertical	98	2.98	59.69	27.48	3.80	-
PK	2.4892G	56.94	74.00	-17.06	31.59	3	Vertical	98	2.98	25.35	27.74	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

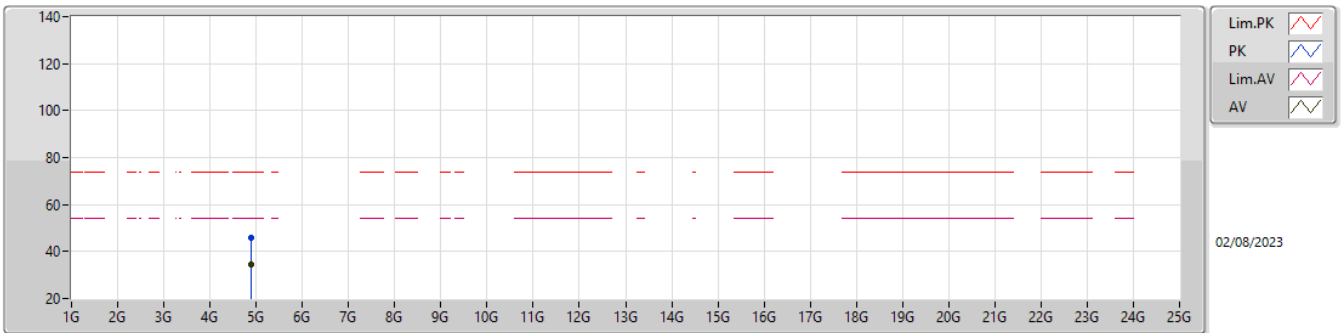
2440MHz\_TX



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	2.374G	44.59	54.00	-9.41	31.09	3	Horizontal	58	1.14	13.50	27.35	3.74	-
AV	2.44G	98.12	Inf	-Inf	31.28	3	Horizontal	58	1.14	66.84	27.48	3.80	-
AV	2.4924G	45.40	54.00	-8.60	31.60	3	Horizontal	58	1.14	13.80	27.75	3.85	-
PK	2.36G	55.86	74.00	-18.14	31.05	3	Horizontal	58	1.14	24.81	27.32	3.73	-
PK	2.4396G	99.19	Inf	-Inf	31.28	3	Horizontal	58	1.14	67.91	27.48	3.80	-
PK	2.4936G	56.42	74.00	-17.58	31.61	3	Horizontal	58	1.14	24.81	27.76	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

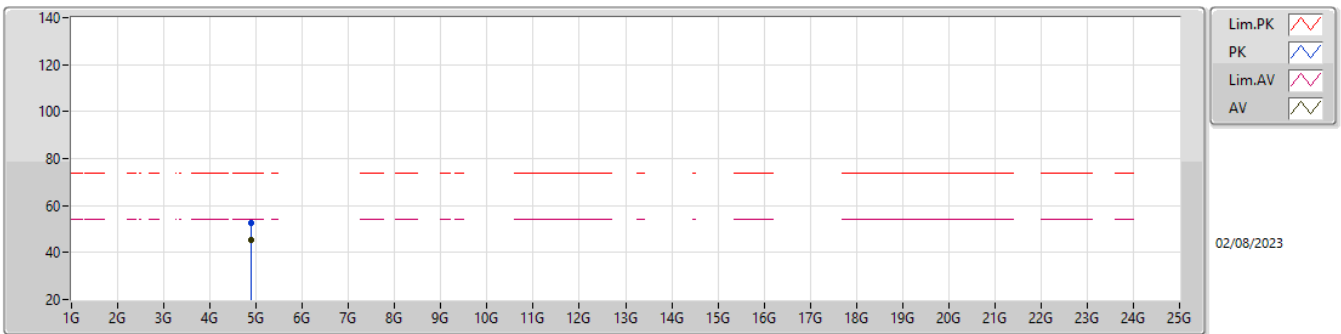
2440MHz\_TX



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	4.88039G	34.44	54.00	-19.56	2.77	3	Vertical	187	1.50	31.67	32.60	5.38	35.21
PK	4.87954G	45.99	74.00	-28.01	2.77	3	Vertical	187	1.50	43.22	32.60	5.38	35.21

2.4-2.4835GHz\_BT-LE(125kbps)

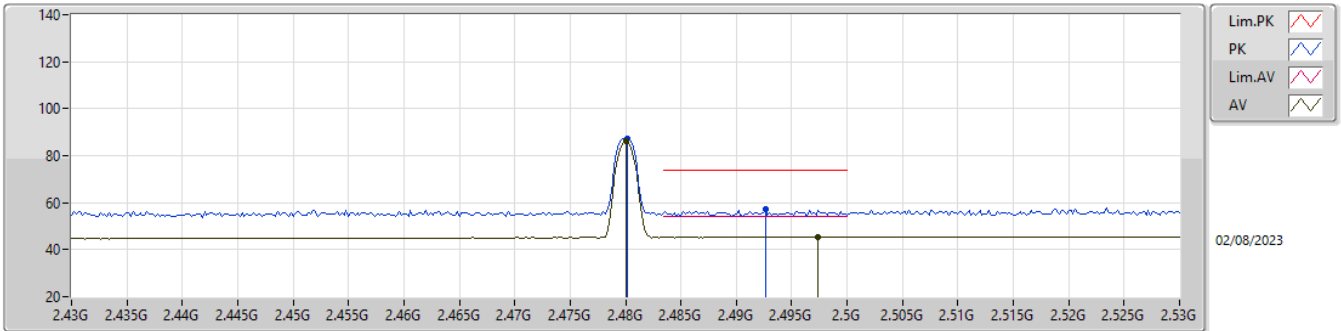
2440MHz\_TX



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	4.87998G	45.26	54.00	-8.74	2.77	3	Horizontal	103	1.04	42.49	32.60	5.38	35.21
PK	4.88056G	52.44	74.00	-21.56	2.77	3	Horizontal	103	1.04	49.67	32.60	5.38	35.21

2.4-2.4835GHz\_BT-LE(125kbps)

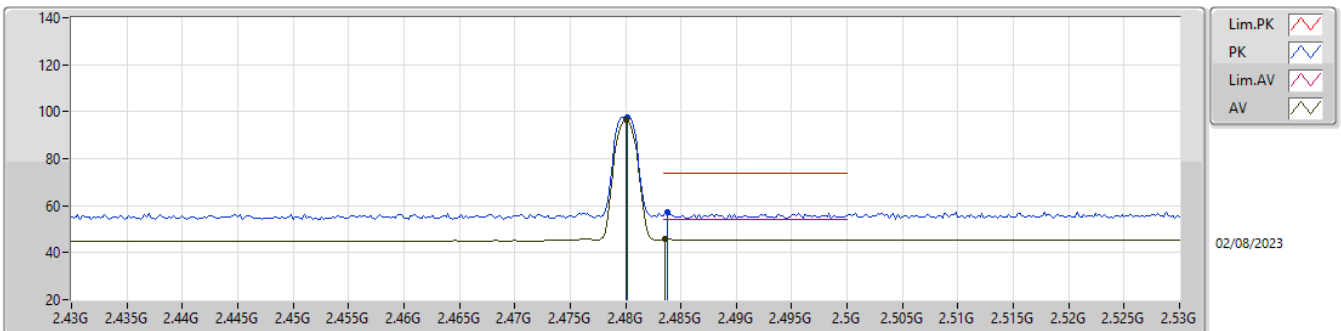
2480MHz\_TX



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	85.98	Inf	-Inf	31.52	3	Vertical	146	2.60	54.46	27.68	3.84	-
AV	2.4974G	45.41	54.00	-8.59	31.63	3	Vertical	146	2.60	13.78	27.78	3.85	-
PK	2.4802G	87.14	Inf	-Inf	31.52	3	Vertical	146	2.60	55.62	27.68	3.84	-
PK	2.4926G	57.34	74.00	-16.66	31.61	3	Vertical	146	2.60	25.73	27.76	3.85	-

2.4-2.4835GHz\_BT-LE(125kbps)

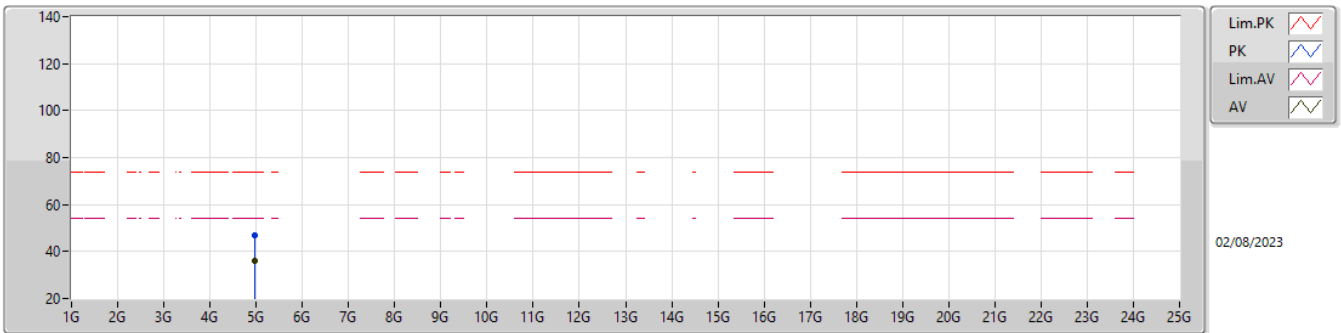
2480MHz\_TX



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	96.48	Inf	-Inf	31.52	3	Horizontal	61	1.12	64.96	27.68	3.84	-
AV	2.4836G	45.76	54.00	-8.24	31.54	3	Horizontal	61	1.12	14.22	27.70	3.84	-
PK	2.4802G	97.54	Inf	-Inf	31.52	3	Horizontal	61	1.12	66.02	27.68	3.84	-
PK	2.4838G	57.01	74.00	-16.99	31.54	3	Horizontal	61	1.12	25.47	27.70	3.84	-

2.4-2.4835GHz\_BT-LE(125kbps)

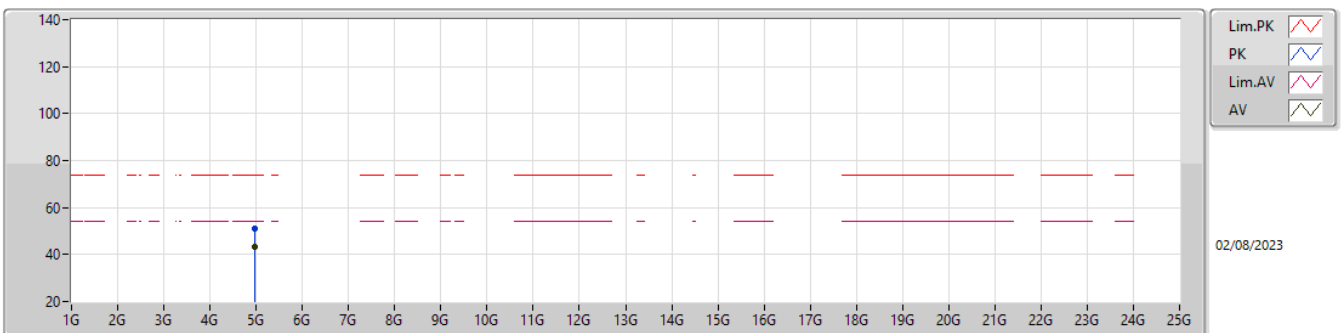
2480MHz\_TX



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	4.96033G	36.12	54.00	-17.88	3.09	3	Vertical	42	2.90	33.03	32.84	5.44	35.19
PK	4.95985G	46.99	74.00	-27.01	3.09	3	Vertical	42	2.90	43.90	32.84	5.44	35.19

2.4-2.4835GHz\_BT-LE(125kbps)

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	4.96007G	43.05	54.00	-10.95	3.09	3	Horizontal	102	1.01	39.96	32.84	5.44	35.19
PK	4.95955G	51.12	74.00	-22.88	3.09	3	Horizontal	102	1.01	48.03	32.84	5.44	35.19



**Summary**

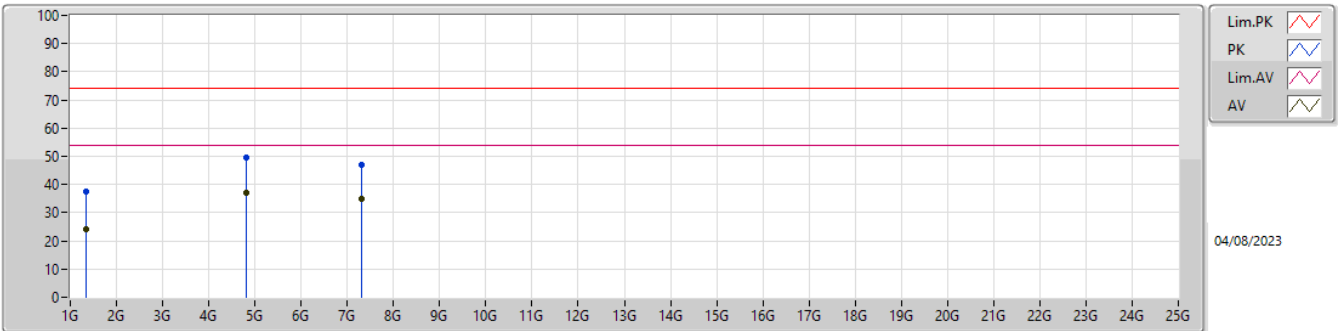
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	AV	4.87508G	46.32	54.00	-7.68	Horizontal
Mode 2	Pass	AV	4.85352G	47.45	54.00	-6.55	Horizontal
Mode 3	Pass	AV	7.86361G	44.74	54.00	-9.26	Horizontal
Mode 4	Pass	AV	4.87508G	37.13	54.00	-16.87	Horizontal



Result

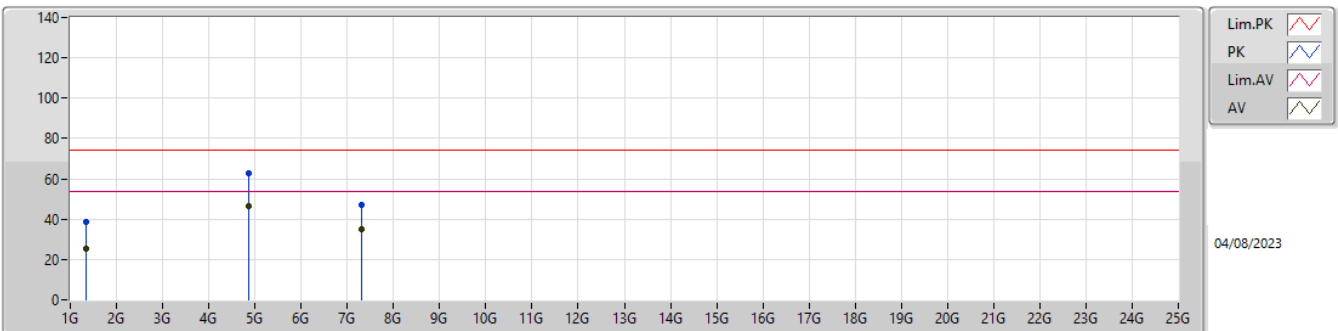
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
Mode 1	Pass	AV	1.34476G	23.96	54.00	-30.04	3	Vertical	210	1.43
Mode 1	Pass	AV	4.82175G	36.96	54.00	-17.04	3	Vertical	156	2.17
Mode 1	Pass	AV	7.30424G	35.04	54.00	-18.96	3	Vertical	182	2.13
Mode 1	Pass	PK	1.34523G	37.54	74.00	-36.46	3	Vertical	210	1.43
Mode 1	Pass	PK	4.82175G	49.78	74.00	-24.22	3	Vertical	156	2.17
Mode 1	Pass	PK	7.30564G	46.96	74.00	-27.04	3	Vertical	182	2.13
Mode 1	Pass	AV	1.34562G	25.54	54.00	-28.46	3	Horizontal	35	1.35
Mode 1	Pass	AV	4.87508G	46.32	54.00	-7.68	3	Horizontal	81	2.43
Mode 1	Pass	AV	7.30424G	35.04	54.00	-18.96	3	Horizontal	168	2.57
Mode 1	Pass	PK	1.34473G	38.63	74.00	-35.37	3	Horizontal	35	1.35
Mode 1	Pass	PK	4.87472G	63.03	74.00	-10.97	3	Horizontal	81	2.43
Mode 1	Pass	PK	7.30564G	46.96	74.00	-27.04	3	Horizontal	168	2.57
Mode 2	Pass	AV	1.1982G	36.98	54.00	-17.02	3	Vertical	128	1.47
Mode 2	Pass	AV	3.18734G	39.93	54.00	-14.07	3	Vertical	193	2.52
Mode 2	Pass	AV	4.84981G	36.37	54.00	-17.63	3	Vertical	243	2.81
Mode 2	Pass	PK	1.19887G	46.96	74.00	-27.04	3	Vertical	128	1.47
Mode 2	Pass	PK	3.18765G	49.89	74.00	-24.11	3	Vertical	193	2.52
Mode 2	Pass	PK	4.84997G	47.49	74.00	-26.51	3	Vertical	243	2.81
Mode 2	Pass	AV	1.1824G	34.65	54.00	-19.35	3	Horizontal	345	2.74
Mode 2	Pass	AV	2.0631G	34.03	54.00	-19.97	3	Horizontal	270	1.49
Mode 2	Pass	AV	4.85352G	47.45	54.00	-6.55	3	Horizontal	195	2.46
Mode 2	Pass	PK	1.18521G	49.02	74.00	-24.98	3	Horizontal	345	2.74
Mode 2	Pass	PK	2.0635G	44.65	74.00	-29.35	3	Horizontal	150	1.49
Mode 2	Pass	PK	4.8537G	61.35	74.00	-12.65	3	Horizontal	195	2.46
Mode 3	Pass	AV	4.95978G	35.21	54.00	-18.79	3	Vertical	325	1.67
Mode 3	Pass	AV	7.86387G	42.84	54.00	-11.16	3	Vertical	320	1.52
Mode 3	Pass	AV	11.70682G	43.08	54.00	-10.92	3	Vertical	28	2.31
Mode 3	Pass	PK	4.95766G	45.14	74.00	-28.86	3	Vertical	325	1.67
Mode 3	Pass	PK	7.86392G	53.00	74.00	-21.00	3	Vertical	320	1.52
Mode 3	Pass	PK	11.7135G	53.43	74.00	-20.57	3	Vertical	28	2.31
Mode 3	Pass	AV	4.95983G	36.87	54.00	-17.13	3	Horizontal	43	2.38
Mode 3	Pass	AV	7.86361G	44.74	54.00	-9.26	3	Horizontal	137	2.08
Mode 3	Pass	AV	11.71469G	42.95	54.00	-11.05	3	Horizontal	257	1.84
Mode 3	Pass	PK	4.96019G	46.22	74.00	-27.78	3	Horizontal	43	2.38
Mode 3	Pass	PK	7.86388G	53.47	74.00	-20.53	3	Horizontal	137	2.08
Mode 3	Pass	PK	11.71474G	53.83	74.00	-20.17	3	Horizontal	257	1.84
Mode 4	Pass	AV	1.34476G	23.96	54.00	-30.04	3	Vertical	210	1.43
Mode 4	Pass	AV	4.82175G	36.96	54.00	-17.04	3	Vertical	156	2.17
Mode 4	Pass	AV	7.30424G	35.04	54.00	-18.96	3	Vertical	182	2.13
Mode 4	Pass	PK	1.34523G	37.54	74.00	-36.46	3	Vertical	210	1.43
Mode 4	Pass	PK	4.82175G	49.78	74.00	-24.22	3	Vertical	156	2.17
Mode 4	Pass	PK	7.30564G	46.96	74.00	-27.04	3	Vertical	182	2.13
Mode 4	Pass	AV	1.34562G	25.54	54.00	-28.46	3	Horizontal	35	1.35
Mode 4	Pass	AV	4.87508G	37.13	54.00	-16.87	3	Horizontal	81	2.43
Mode 4	Pass	AV	7.30424G	35.04	54.00	-18.96	3	Horizontal	168	2.57
Mode 4	Pass	PK	1.34473G	38.63	74.00	-35.37	3	Horizontal	35	1.35
Mode 4	Pass	PK	4.87472G	53.59	74.00	-20.41	3	Horizontal	81	2.43
Mode 4	Pass	PK	7.30564G	46.96	74.00	-27.04	3	Horizontal	168	2.57

Radiated Emissions above 1GHz\_Mode 1



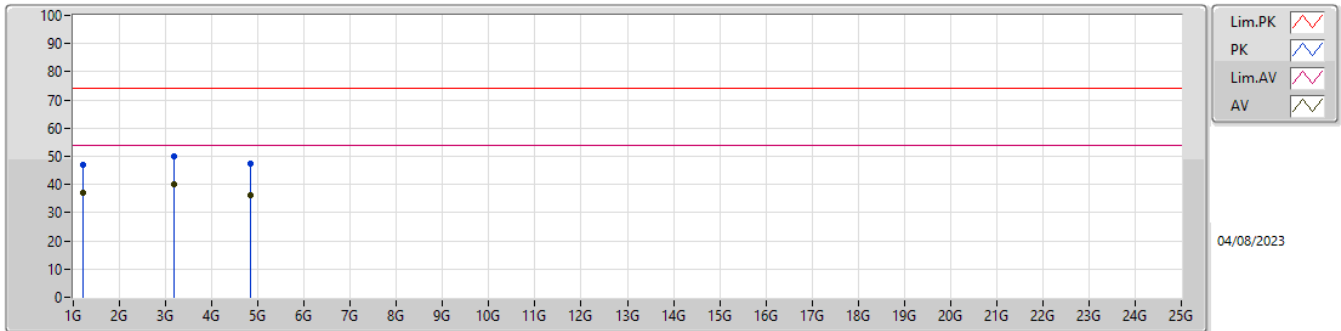
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.34476G	23.96	54.00	-30.04	-5.24	3	Vertical	210	1.43	29.20	26.06	3.16	34.46
AV	4.82175G	36.96	54.00	-17.04	4.33	3	Vertical	156	2.17	32.63	32.33	6.18	34.18
AV	7.30424G	35.04	54.00	-18.96	10.07	3	Vertical	182	2.13	24.97	36.78	7.79	34.50
PK	1.34523G	37.54	74.00	-36.46	-5.24	3	Vertical	210	1.43	42.78	26.06	3.16	34.46
PK	4.82175G	49.78	74.00	-24.22	4.33	3	Vertical	156	2.17	45.45	32.33	6.18	34.18
PK	7.30564G	46.96	74.00	-27.04	10.07	3	Vertical	182	2.13	36.89	36.78	7.79	34.50

Radiated Emissions above 1GHz\_Mode 1



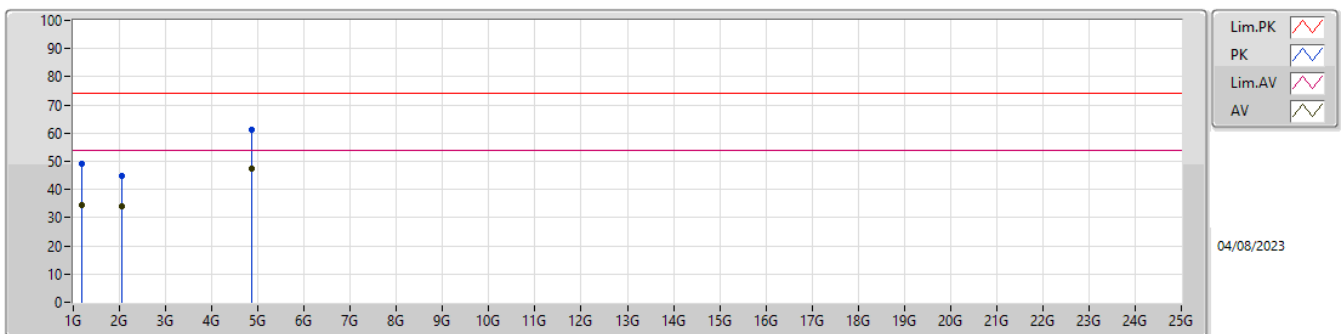
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	1.34562G	25.54	54.00	-28.46	-5.24	3	Horizontal	35	1.35	30.78	26.06	3.16	34.46
AV	4.87508G	46.32	54.00	-7.68	4.65	3	Horizontal	81	2.43	41.67	32.60	6.21	34.16
AV	7.30424G	35.04	54.00	-18.96	10.07	3	Horizontal	168	2.57	24.97	36.78	7.79	34.50
PK	1.34473G	38.63	74.00	-35.37	-5.24	3	Horizontal	35	1.35	43.87	26.06	3.16	34.46
PK	4.87472G	63.03	74.00	-10.97	4.64	3	Horizontal	81	2.43	58.39	32.60	6.21	34.17
PK	7.30564G	46.96	74.00	-27.04	10.07	3	Horizontal	168	2.57	36.89	36.78	7.79	34.50

Radiated Emissions above 1GHz\_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.1982G	36.98	54.00	-17.02	-5.66	3	Vertical	128	1.47	42.64	26.10	2.95	34.71
AV	3.18734G	39.93	54.00	-14.07	0.45	3	Vertical	193	2.52	39.48	29.80	4.93	34.28
AV	4.84981G	36.37	54.00	-17.63	4.52	3	Vertical	243	2.81	31.85	32.50	6.19	34.17
PK	1.19887G	46.96	74.00	-27.04	-5.66	3	Vertical	128	1.47	52.62	26.10	2.95	34.71
PK	3.18765G	49.89	74.00	-24.11	0.46	3	Vertical	193	2.52	49.43	29.80	4.93	34.27
PK	4.84997G	47.49	74.00	-26.51	4.52	3	Vertical	243	2.81	42.97	32.50	6.19	34.17

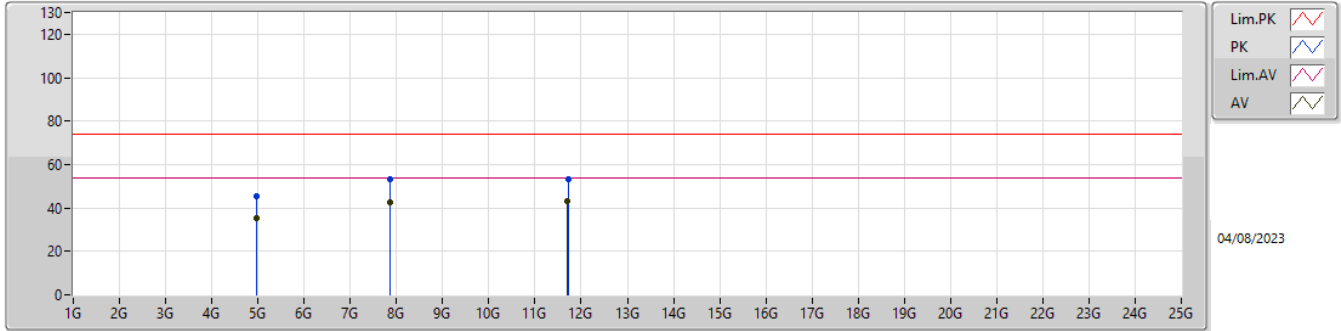
Radiated Emissions above 1GHz\_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	1.1824G	34.65	54.00	-19.35	-5.70	3	Horizontal	345	2.74	40.35	26.10	2.93	34.73
AV	2.0631G	34.03	54.00	-19.97	-2.81	3	Horizontal	270	1.49	36.84	27.35	3.97	34.13
AV	4.85352G	47.45	54.00	-6.55	4.54	3	Horizontal	195	2.46	42.91	32.51	6.20	34.17
PK	1.18521G	49.02	74.00	-24.98	-5.70	3	Horizontal	345	2.74	54.72	26.10	2.93	34.73
PK	2.0635G	44.65	74.00	-29.35	-2.81	3	Horizontal	150	1.49	47.46	27.35	3.97	34.13
PK	4.8537G	61.35	74.00	-12.65	4.54	3	Horizontal	195	2.46	56.81	32.51	6.20	34.17



Radiated Emissions above 1GHz\_Mode 3

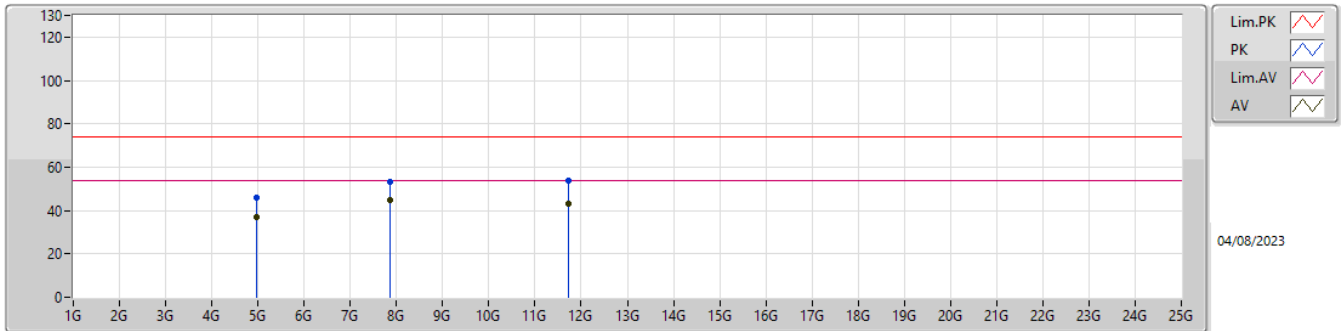


Lim.PK  
PK  
Lim.AV  
AV

04/08/2023

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	5.18	3	Vertical	325	1.67	30.03	33.04	6.27	34.13
AV	7.86387G	42.84	54.00	-11.16	10.66	3	Vertical	320	1.52	32.18	37.03	8.28	34.65
AV	11.70682G	43.08	54.00	-10.92	16.02	3	Vertical	28	2.31	27.06	38.70	11.51	34.19
PK	4.95766G	45.14	74.00	-28.86	5.16	3	Vertical	325	1.67	39.98	33.03	6.27	34.14
PK	7.86392G	53.00	74.00	-21.00	10.66	3	Vertical	320	1.52	42.34	37.03	8.28	34.65
PK	11.7135G	53.43	74.00	-20.57	16.02	3	Vertical	28	2.31	37.41	38.70	11.51	34.19

Radiated Emissions above 1GHz\_Mode 3

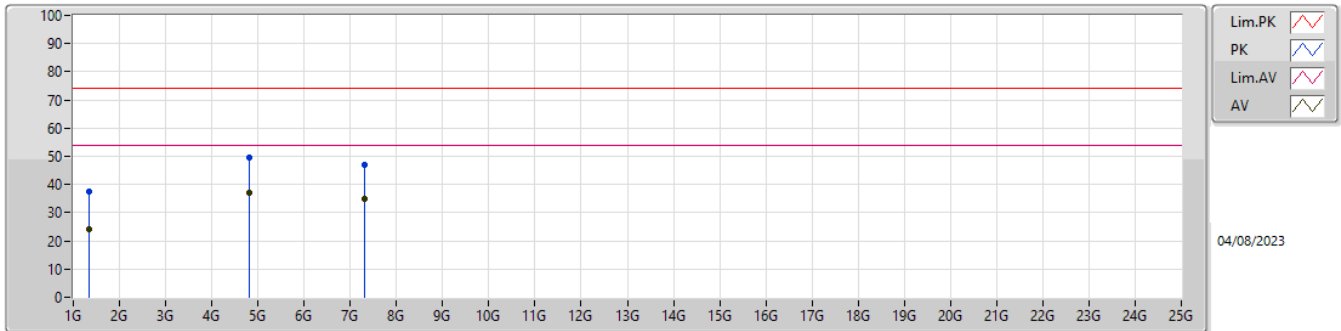


Lim.PK  
PK  
Lim.AV  
AV

04/08/2023

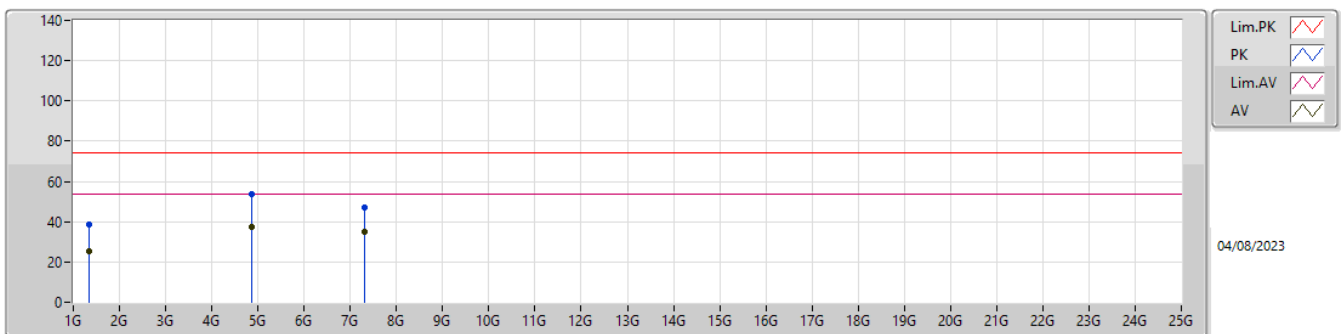
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
AV	4.95983G	36.87	54.00	-17.13	5.18	3	Horizontal	43	2.38	31.69	33.04	6.27	34.13
AV	7.86361G	44.74	54.00	-9.26	10.66	3	Horizontal	137	2.08	34.08	37.03	8.28	34.65
AV	11.71469G	42.95	54.00	-11.05	16.02	3	Horizontal	257	1.84	26.93	38.70	11.51	34.19
PK	4.96019G	46.22	74.00	-27.78	5.18	3	Horizontal	43	2.38	41.04	33.04	6.27	34.13
PK	7.86388G	53.47	74.00	-20.53	10.66	3	Horizontal	137	2.08	42.81	37.03	8.28	34.65
PK	11.71474G	53.83	74.00	-20.17	16.02	3	Horizontal	257	1.84	37.81	38.70	11.51	34.19

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	1.34476G	23.96	54.00	-30.04	-5.24	3	Vertical	210	1.43	29.20	26.06	3.16	34.46
AV	4.82175G	36.96	54.00	-17.04	4.33	3	Vertical	156	2.17	32.63	32.33	6.18	34.18
AV	7.30424G	35.04	54.00	-18.96	10.07	3	Vertical	182	2.13	24.97	36.78	7.79	34.50
PK	1.34523G	37.54	74.00	-36.46	-5.24	3	Vertical	210	1.43	42.78	26.06	3.16	34.46
PK	4.82175G	49.78	74.00	-24.22	4.33	3	Vertical	156	2.17	45.45	32.33	6.18	34.18
PK	7.30564G	46.96	74.00	-27.04	10.07	3	Vertical	182	2.13	36.89	36.78	7.79	34.50

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	1.34562G	25.54	54.00	-28.46	-5.24	3	Horizontal	35	1.35	30.78	26.06	3.16	34.46
AV	4.87508G	37.13	54.00	-16.87	4.65	3	Horizontal	81	2.43	32.48	32.60	6.21	34.16
AV	7.30424G	35.04	54.00	-18.96	10.07	3	Horizontal	168	2.57	24.97	36.78	7.79	34.50
PK	1.34473G	38.63	74.00	-35.37	-5.24	3	Horizontal	35	1.35	43.87	26.06	3.16	34.46
PK	4.87472G	53.59	74.00	-20.41	4.64	3	Horizontal	81	2.43	48.95	32.60	6.21	34.17
PK	7.30564G	46.96	74.00	-27.04	10.07	3	Horizontal	168	2.57	36.89	36.78	7.79	34.50