

# FCC Radio Test Report

**FCC ID** : PPQ-WCBN3610L  
**Equipment** : 802.11 b/g/n, 1T1R 2.4G Wireless IoT Module  
**Brand Name** : LITEON  
**Model Name** : WCBN3610L  
**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 May 09, 2023, and testing was started from May 11, 2023 and completed on May 29, 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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### Summary of Test Result

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

<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: Ryan Hsiao

Report Producer: Debby Hung

# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX

Note:

- ◆ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ◆ 11g, HT20 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	LITEON	WCBN3610L	Printed antenna	Murata	0.5

Note 1: The EUT has one antenna.

**For 2.4GHz function:**

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

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



1.1.3 EUT Information

Operational Condition			
EUT Power Type	From DC Power supply		
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point	
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming	
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
802.11b_Nss1,(1Mbps)_1TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	0.942	0.26	2.069m	1k
802.11n HT20_Nss1,(MCS0)_1TX	0.94	0.27	1.925m	1k

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



### 1.2 Testing Applied Standards

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

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

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

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

### 1.3 Testing Location Information

<b>Test Lab. : Sporton International Inc. Hsinhua Laboratory</b>				
<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.				
<b>Test Condition</b>	<b>Test Site No.</b>	<b>Test Engineer</b>	<b>Test Environment</b>	<b>Test Date</b>
RF Conducted	TH06-HY	Jin Jing	23.6~25.1°C / 53~59%	29/May/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.				
<b>Test Condition</b>	<b>Test Site No.</b>	<b>Test Engineer</b>	<b>Test Environment</b>	<b>Test Date</b>
Radiated	03CH09-HY	Lego Lin	22.8~23.4°C / 50~55%	11/May/2023~26/May/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	AmebaZ2_mptool_1V3
-----------------------	--------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	114
2417MHz	117
2437MHz	127
2457MHz	106
2462MHz	105
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	113
2417MHz	106
2437MHz	127
2457MHz	106
2462MHz	98
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	110
2417MHz	120
2437MHz	127
2457MHz	104
2462MHz	97



## 2.2 The Worst Case Measurement Configuration

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	DC Power Supply mode		
<b>Operating Mode &gt; 1GHz</b>	CTX		
<b>Orthogonal Planes of EUT</b>	<b>X Plane</b>	<b>Y Plane</b>	<b>Z Plane</b>
			
<b>Worst Planes of EUT</b>		V	

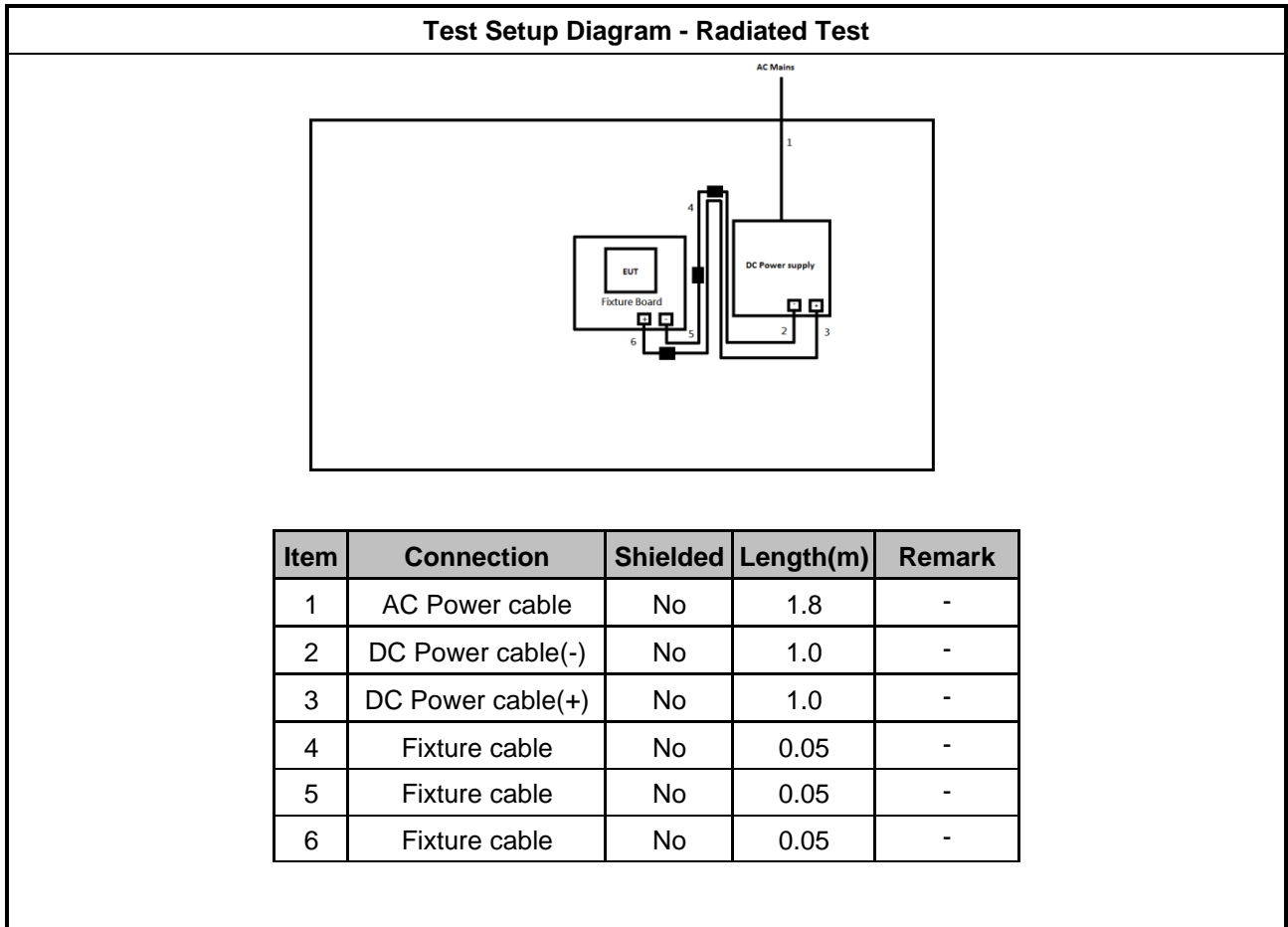


### 2.3 Support Equipment

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	DC Power Supply	GW	GPS-3030DD	-	-
2	AC power cable	Power Sync	PW-GPC180-3	-	-
3	DC power cable (+)	MiSUMi	WTN1229-BLACK	-	-
4	DC power cable (-)	MiSUMi	WTN1229-RED	-	-
5	Fixture Board	LITEON	WN6422L-JCH	-	-

## 2.4 Test Setup Diagram



### 3 Transmitter Test Result

#### 3.1 DTS Bandwidth

##### 3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

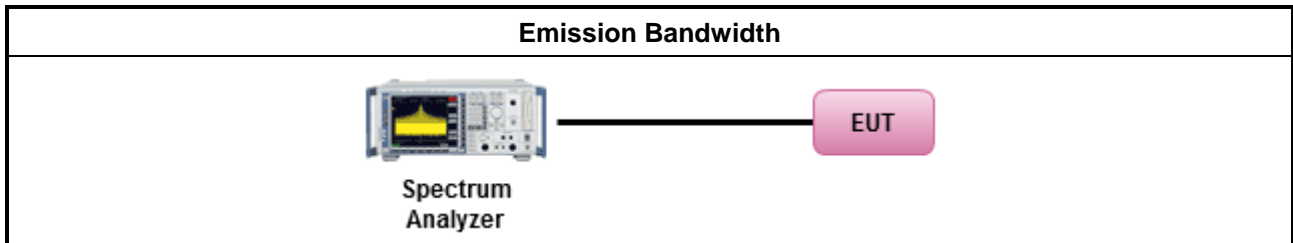
##### 3.1.2 Measuring Instruments

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

##### 3.1.4 Test Setup



##### 3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



### 3.2 Maximum Conducted Output Power

#### 3.2.1 Maximum Conducted Output Power Limit

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

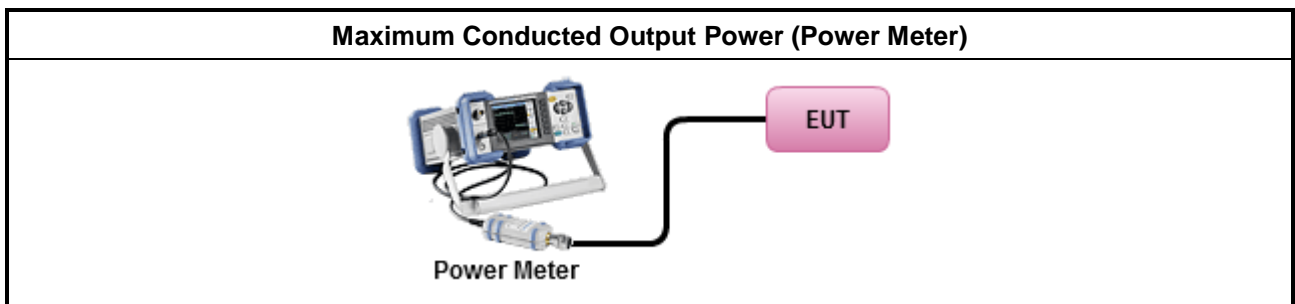
#### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> <li>▪ Maximum Average Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
<ul style="list-style-type: none"> <li>▪ For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below: 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>	

### 3.2.4 Test Setup



### 3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

### 3.3 Power Spectral Density

#### 3.3.1 Power Spectral Density Limit

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

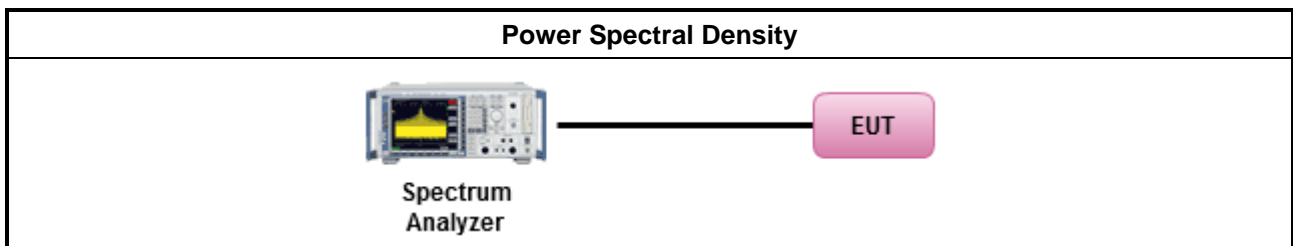
#### 3.3.2 Measuring Instruments

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

#### 3.3.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).</li> </ul>
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
	<ul style="list-style-type: none"> <li>For conducted measurement.               <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>

#### 3.3.4 Test Setup



#### 3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

### 3.4 Emissions in Non-restricted Frequency Bands

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

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

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.

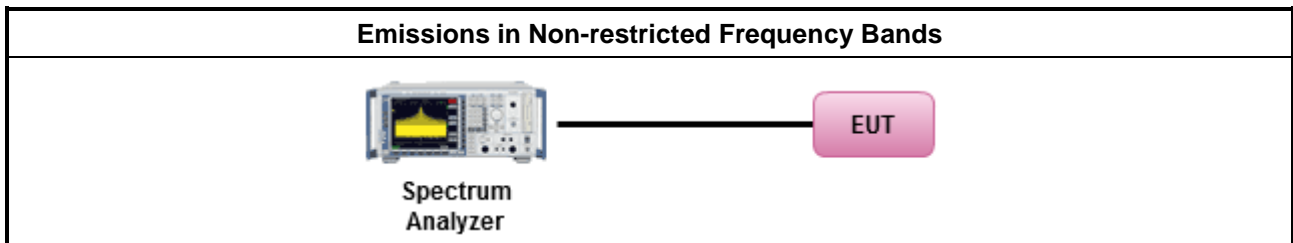
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

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

#### 3.4.4 Test Setup



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

Refer as Appendix D





### 3.5 Emissions in Restricted Frequency Bands

#### 3.5.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

#### 3.5.2 Measuring Instruments

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



### 3.5.3 Test Procedures

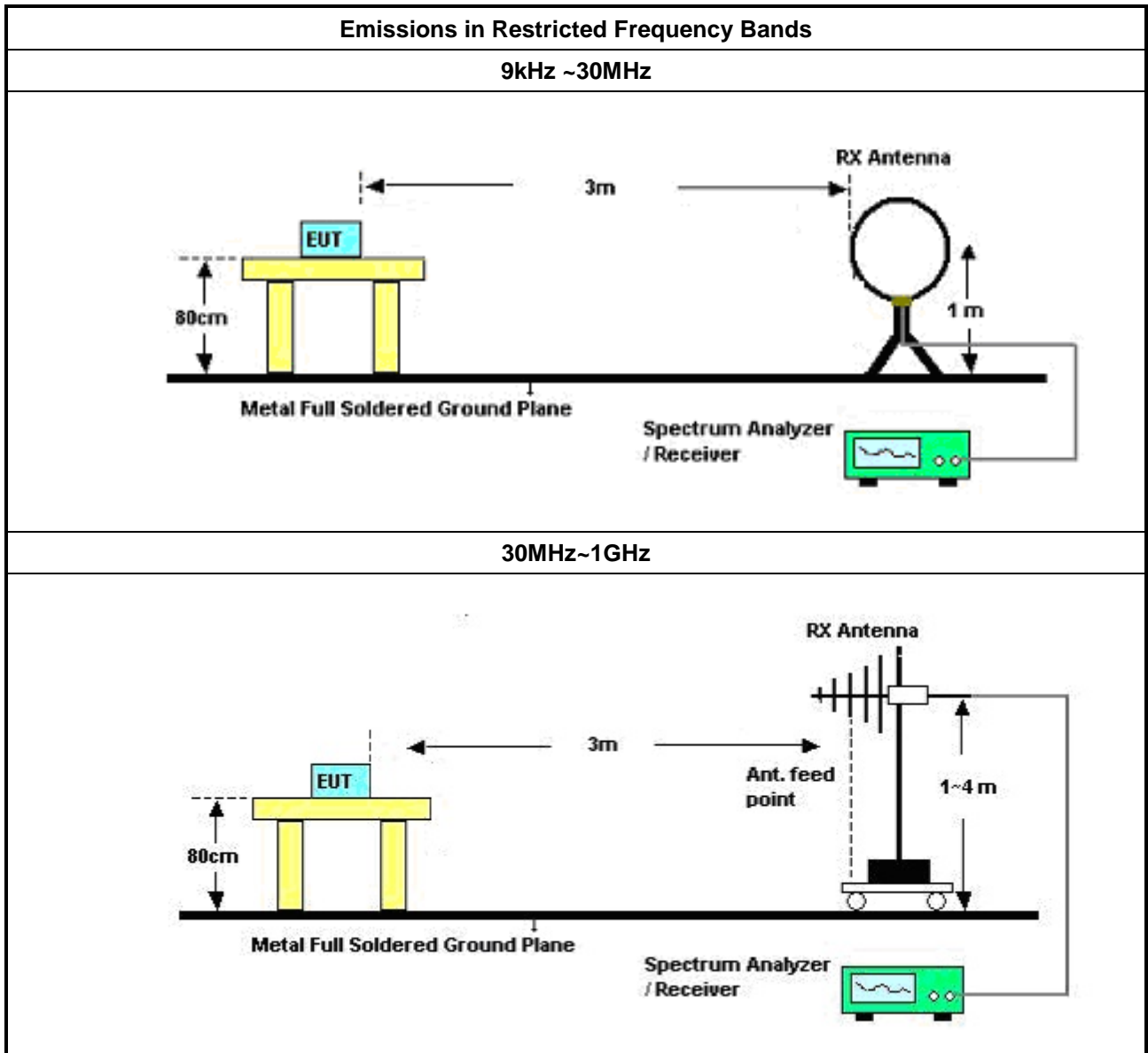
Test Method	
	<ul style="list-style-type: none"> <li>The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>
	<ul style="list-style-type: none"> <li>For the transmitter unwanted emissions shall be measured using following options below:               <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> </li> </ul>
	<ul style="list-style-type: none"> <li>For the transmitter band-edge emissions shall be measured using following options below:               <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> <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> <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> </li> </ul>
	<ul style="list-style-type: none"> <li>Use the following spectrum analyzer settings:               <ul style="list-style-type: none"> <li>Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> <li>Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement. For average measurement, refer as 1.1.4.</li> </ul> </li> </ul>
	<ul style="list-style-type: none"> <li>KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.               <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> <li>Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul> </li> </ul>

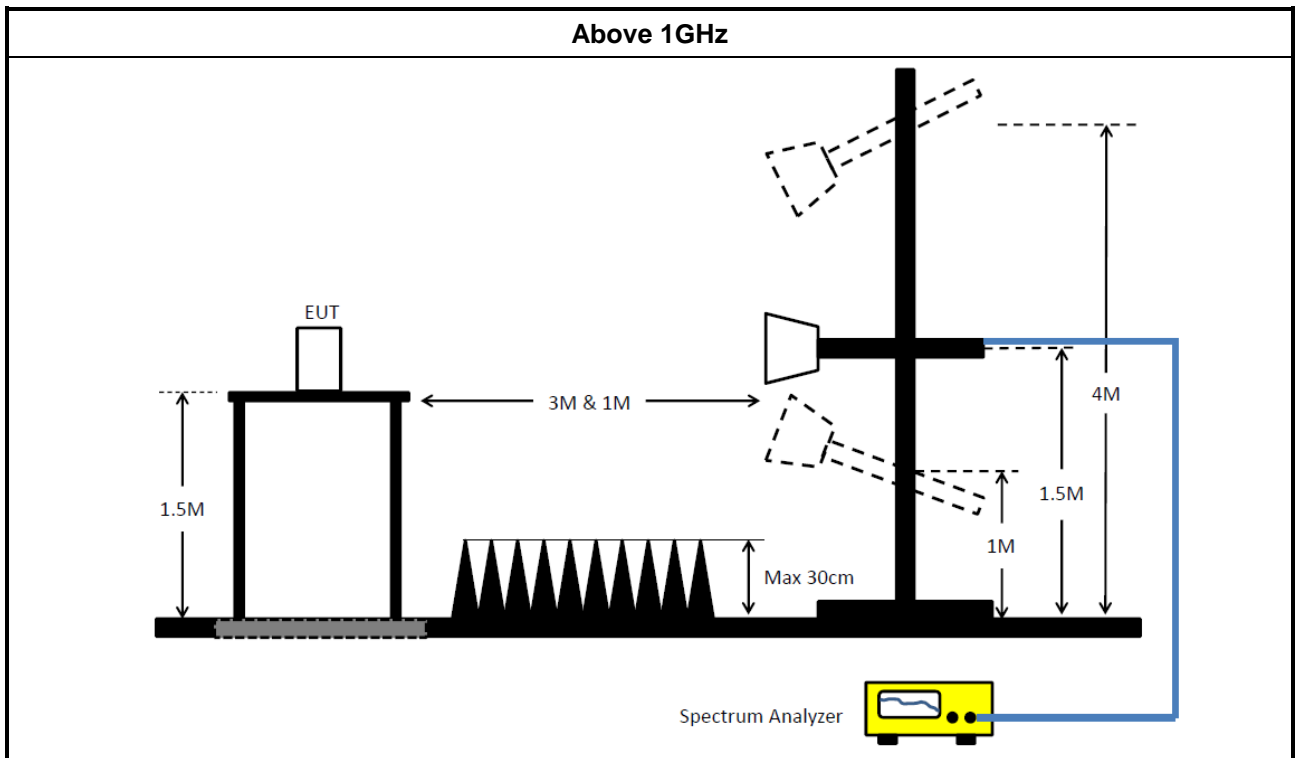
### 3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.5.5 Test Setup





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

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

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

Refer as Appendix E



## 4 Test Equipment and Calibration Data

### Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	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	29/Mar/2023	28/Mar/2024
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	29/Mar/2023	28/Mar/2024
SENSE-15247_DTS	Sporton	V5.11.6	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	22/Jul/2022	21/Jul/2023
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	01248	18GHz~40GHz	22/Aug/2022	21/Aug/2023
Microwave Preamplifier	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	30/May/2022	29/May/2023
SENSE-15247_DTS	Sporton	Sporton	V5.11.6	NA	NA	NA



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.075M	16.612M	16M6G1D	9.525M	14.363M
802.11g_Nss1,(6Mbps)_1TX	16.325M	22.363M	22M4D1D	16.3M	16.8M
802.11n HT20_Nss1,(MCS0)_1TX	17.575M	24.163M	24M2D1D	17.525M	17.891M

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)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.525M	14.828M
2437MHz	Pass	500k	10.075M	16.612M
2462MHz	Pass	500k	10.025M	14.363M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.3M	16.998M
2437MHz	Pass	500k	16.3M	22.363M
2462MHz	Pass	500k	16.325M	16.8M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.575M	17.891M
2437MHz	Pass	500k	17.525M	24.163M
2462MHz	Pass	500k	17.55M	17.916M

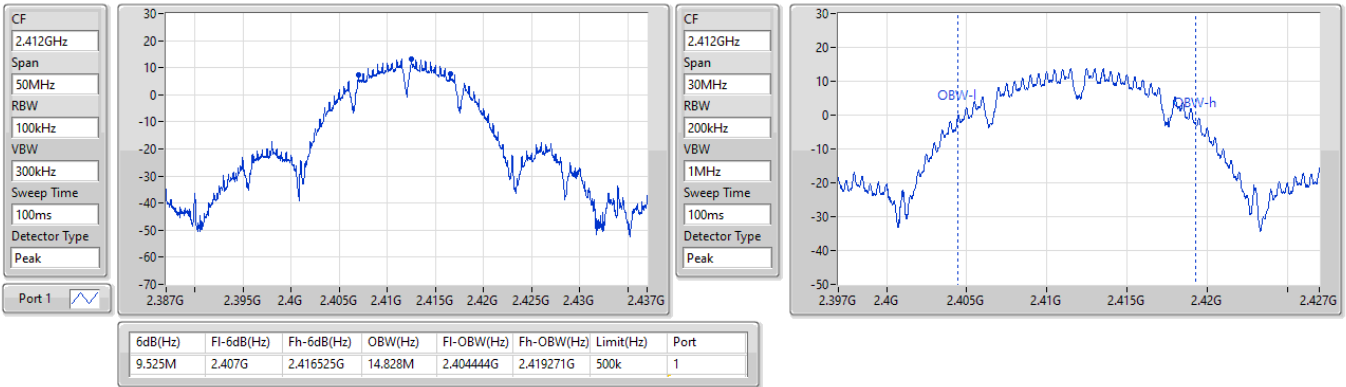
Port X-N dB = Port X 6dB down bandwidth;  
Port X-OBW = Port X 99% occupied bandwidth

**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX**

**EBW**

**2412MHz**

29/05/2023

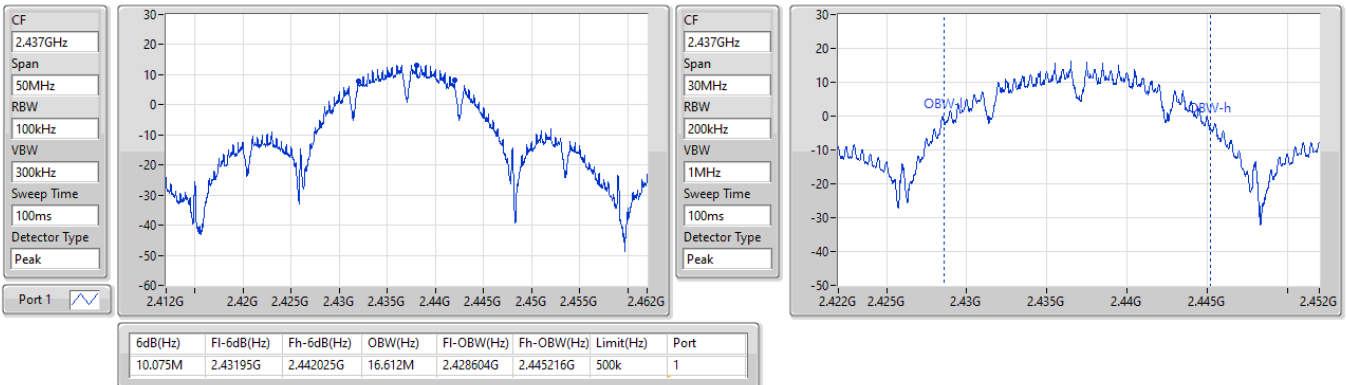


**2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX**

**EBW**

**2437MHz**

29/05/2023



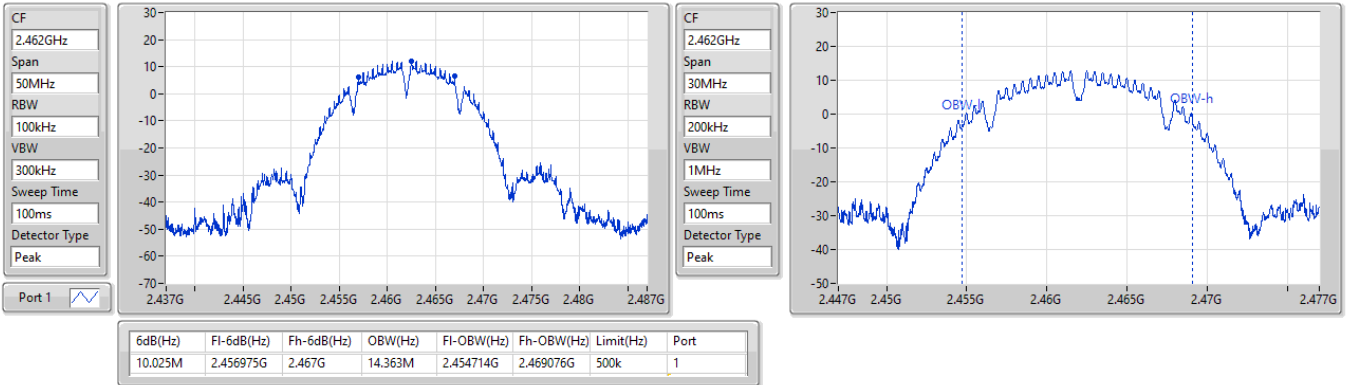


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

EBW

2462MHz

29/05/2023

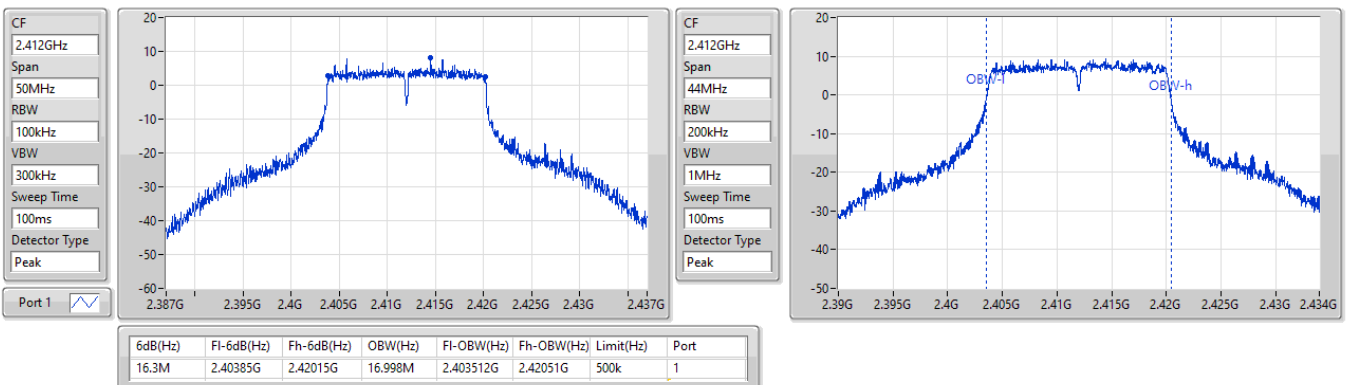


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

EBW

2412MHz

29/05/2023

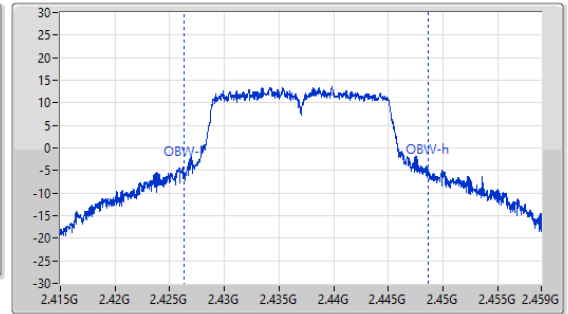
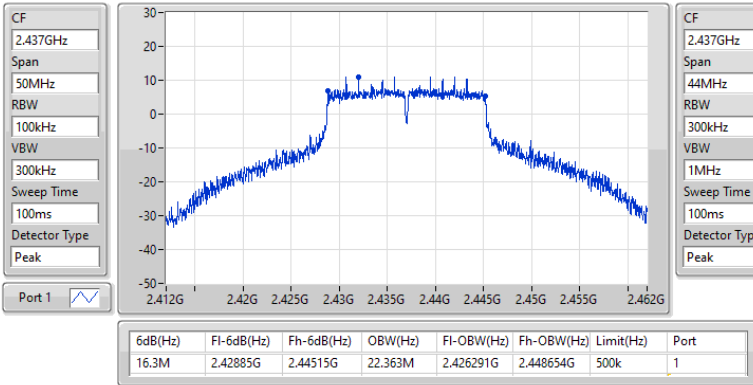


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

EBW

2437MHz

29/05/2023

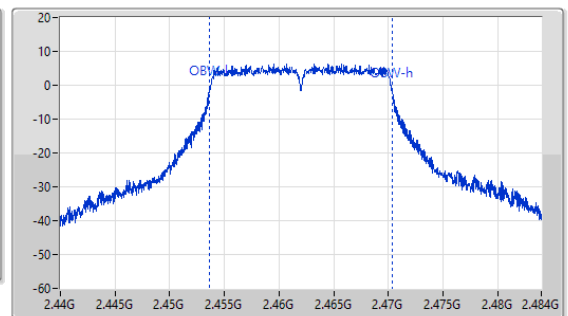
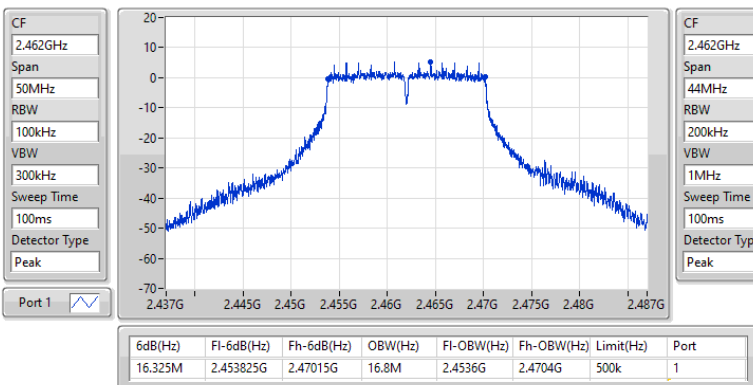


2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

EBW

2462MHz

29/05/2023

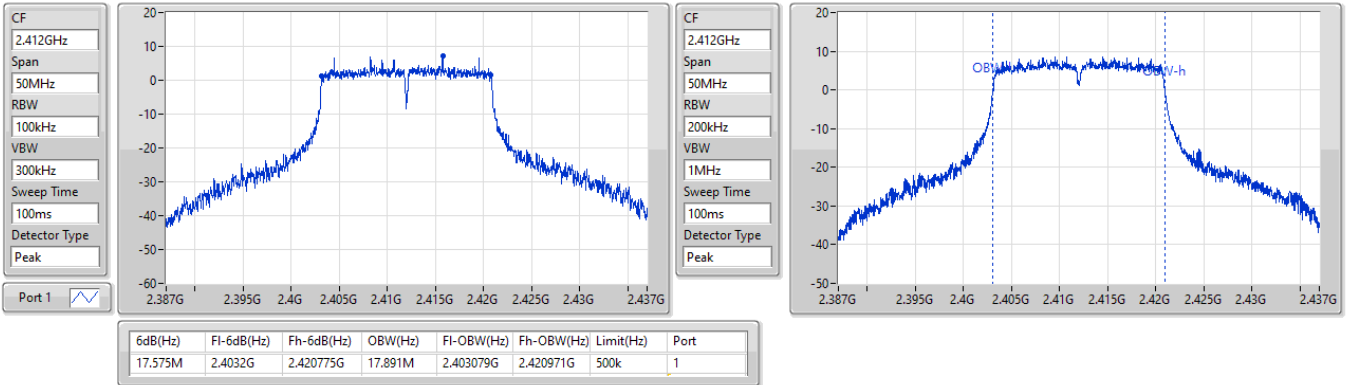


2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_1TX

EBW

2412MHz

29/05/2023

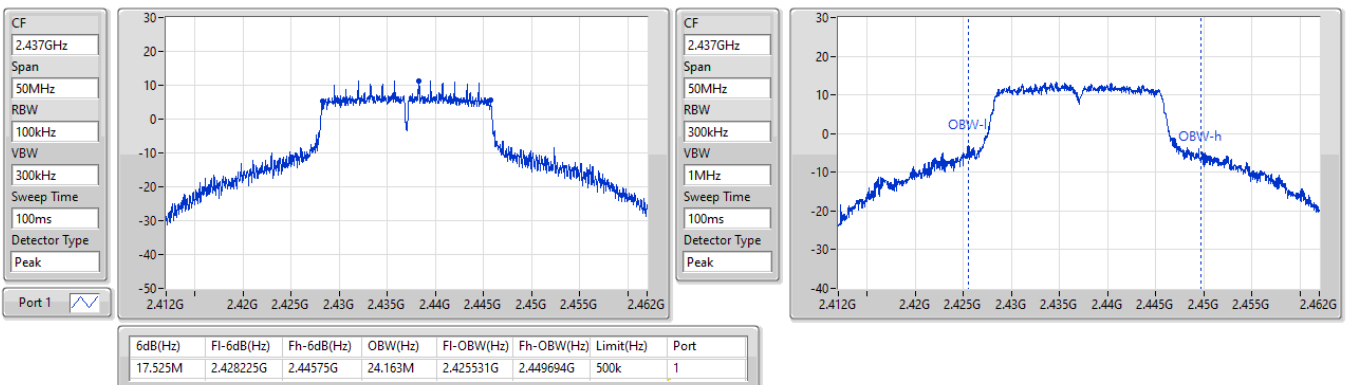


2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_1TX

EBW

2437MHz

29/05/2023

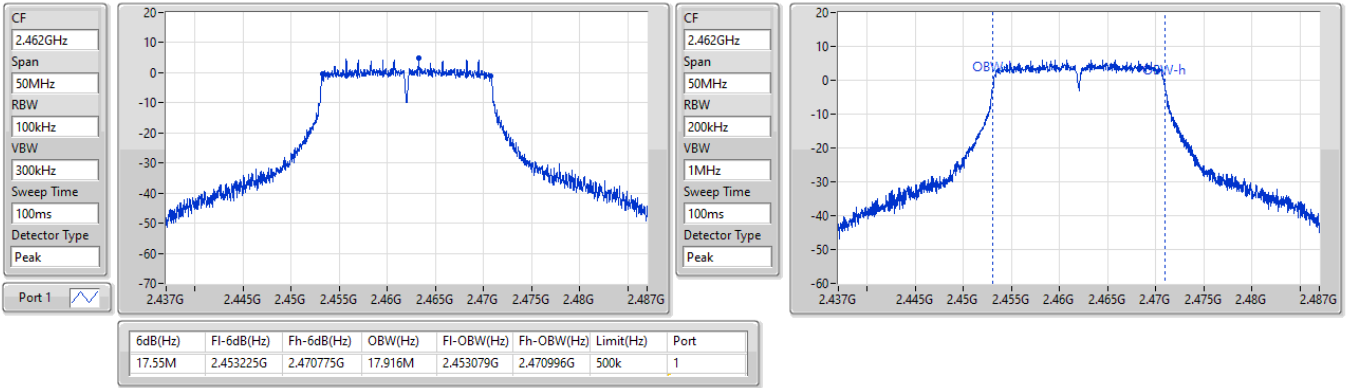


2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

EBW

2462MHz

29/05/2023





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.90	0.19498
802.11g_Nss1,(6Mbps)_1TX	21.68	0.14723
802.11n HT20_Nss1,(MCS0)_1TX	21.76	0.14997



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	21.98	21.98	30.00
2417MHz	Pass	0.50	22.35	22.35	30.00
2437MHz	Pass	0.50	22.90	22.90	30.00
2457MHz	Pass	0.50	21.23	21.23	30.00
2462MHz	Pass	0.50	21.01	21.01	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	19.25	19.25	30.00
2417MHz	Pass	0.50	17.92	17.92	30.00
2437MHz	Pass	0.50	21.68	21.68	30.00
2457MHz	Pass	0.50	18.26	18.26	30.00
2462MHz	Pass	0.50	16.49	16.49	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	18.56	18.56	30.00
2417MHz	Pass	0.50	20.41	20.41	30.00
2437MHz	Pass	0.50	21.76	21.76	30.00
2457MHz	Pass	0.50	17.69	17.69	30.00
2462MHz	Pass	0.50	16.14	16.14	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-1.02
802.11g_Nss1,(6Mbps)_1TX	-4.03
802.11n_HT20_Nss1,(MCS0)_1TX	-3.16

RBW = 3kHz;

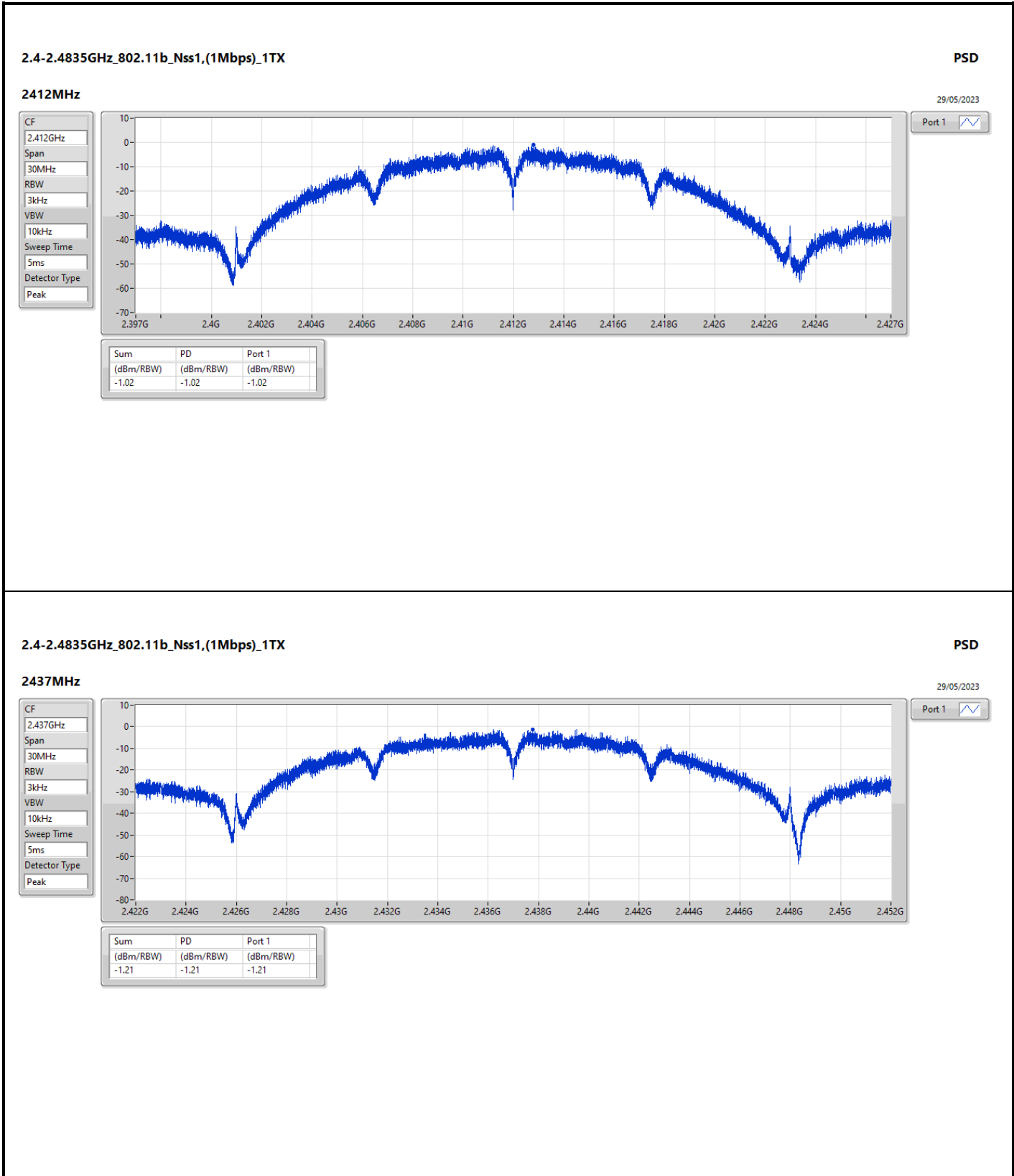


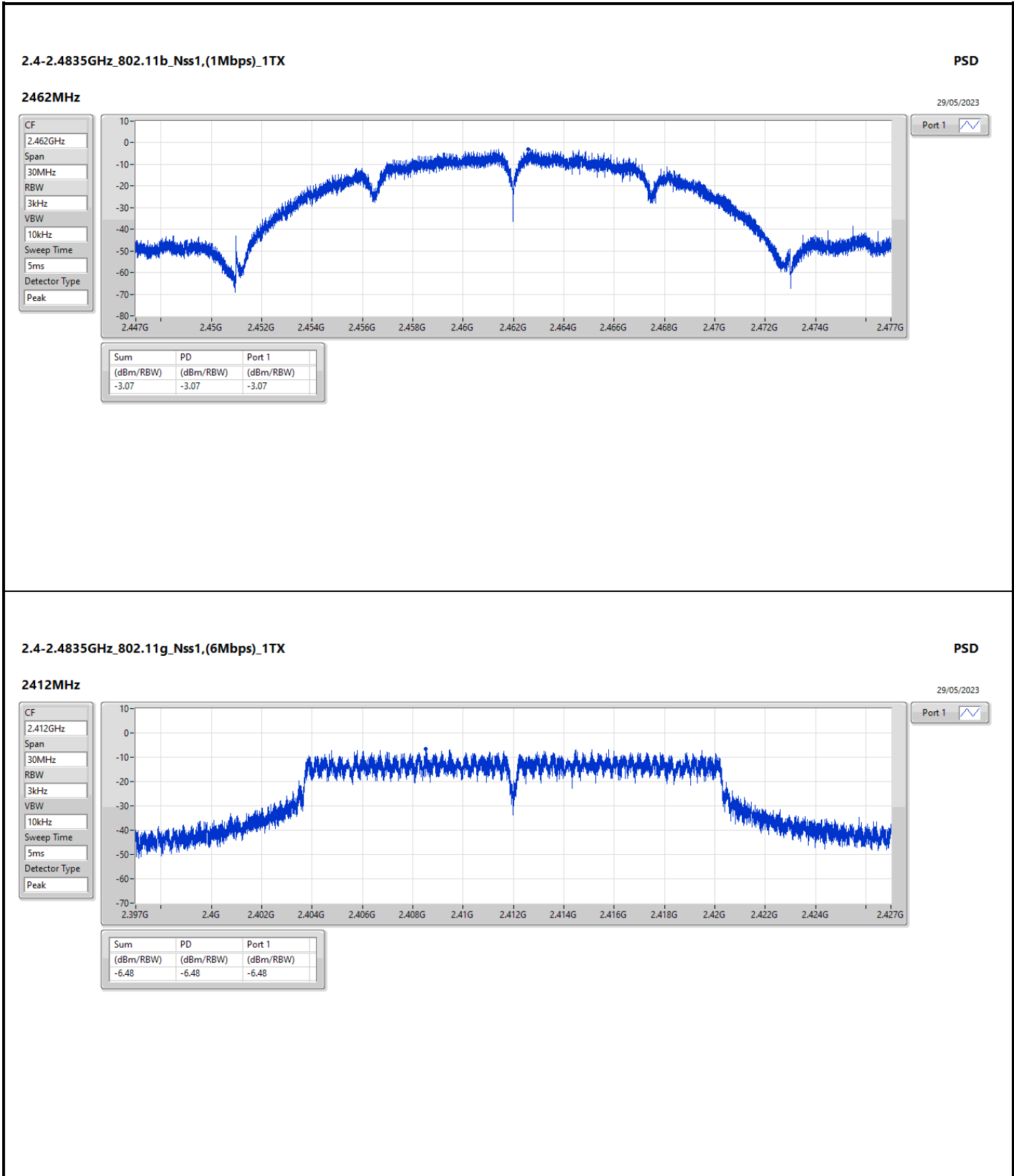
Result

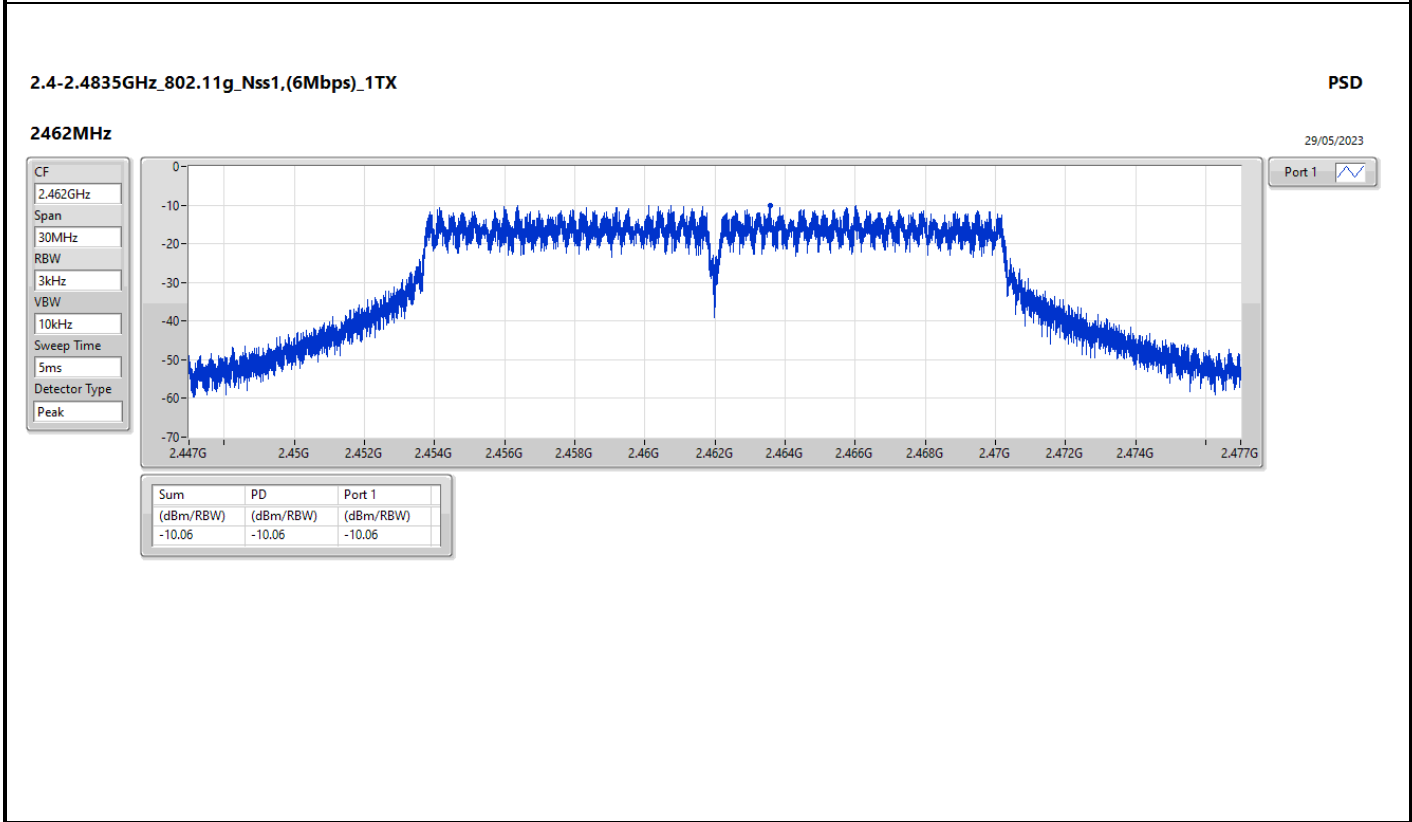
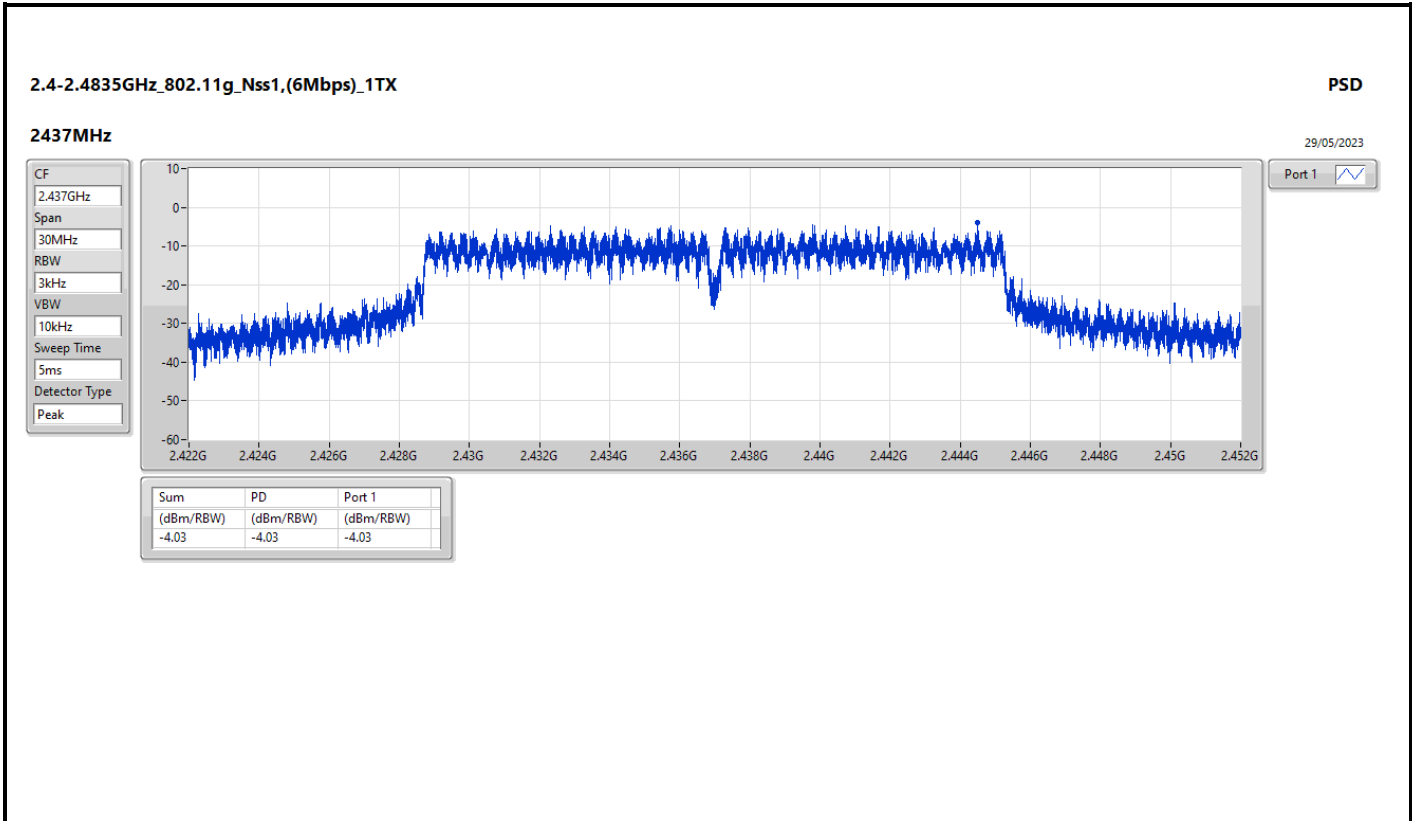
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	-1.02	-1.02	8.00
2437MHz	Pass	0.50	-1.21	-1.21	8.00
2462MHz	Pass	0.50	-3.07	-3.07	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	-6.48	-6.48	8.00
2437MHz	Pass	0.50	-4.03	-4.03	8.00
2462MHz	Pass	0.50	-10.06	-10.06	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	0.50	-6.34	-6.34	8.00
2437MHz	Pass	0.50	-3.16	-3.16	8.00
2462MHz	Pass	0.50	-9.40	-9.40	8.00

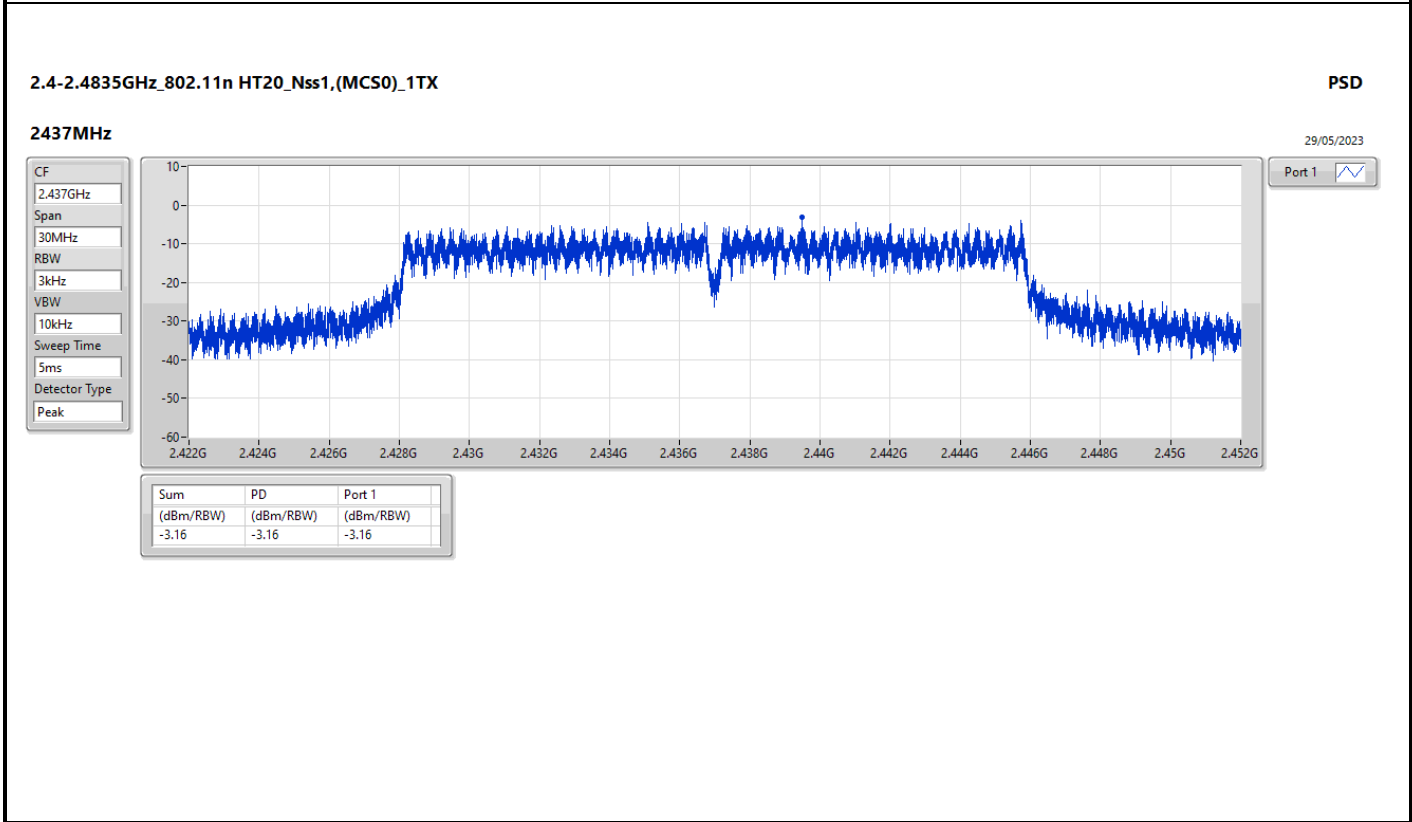
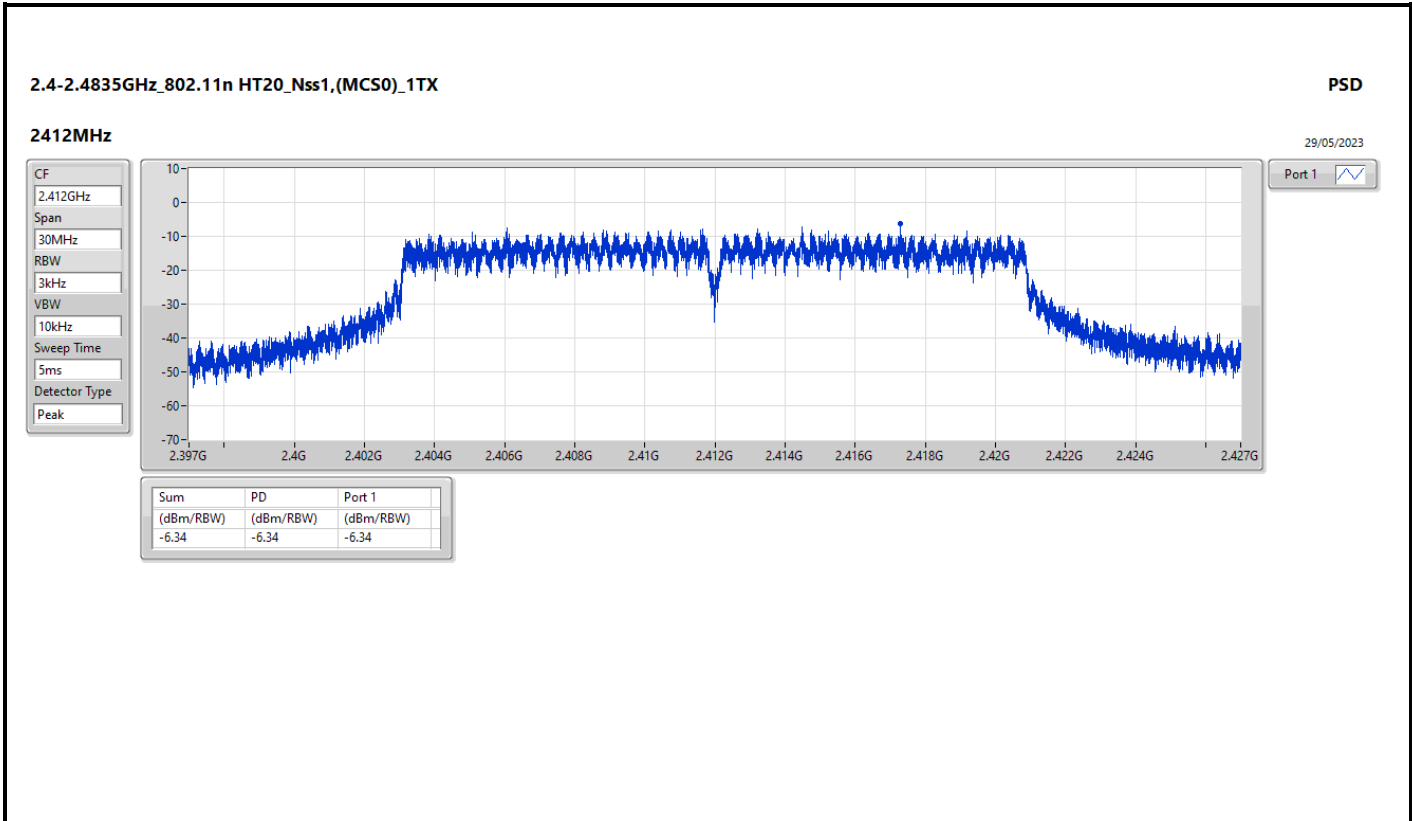
DG = Directional Gain; RBW = 3kHz;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

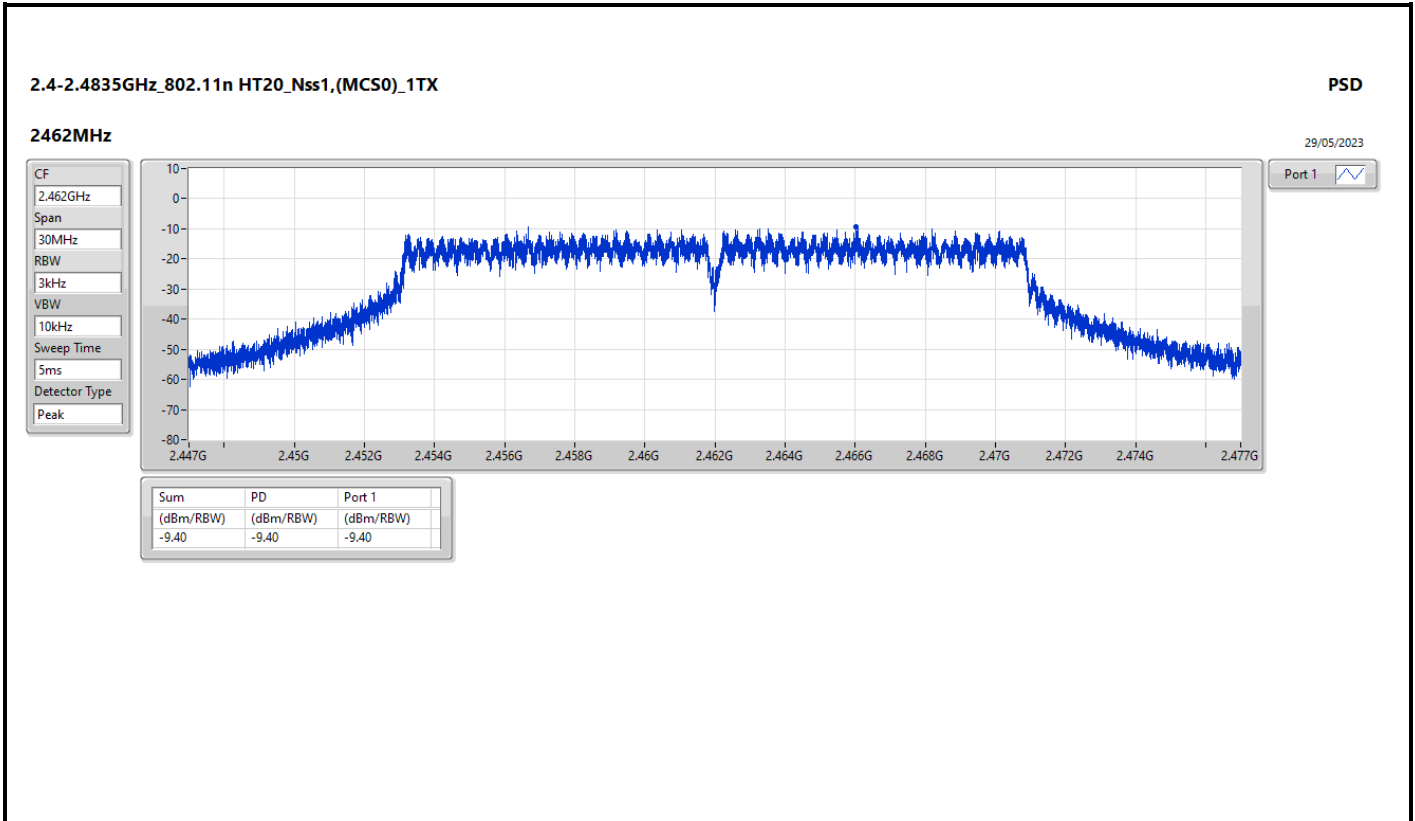














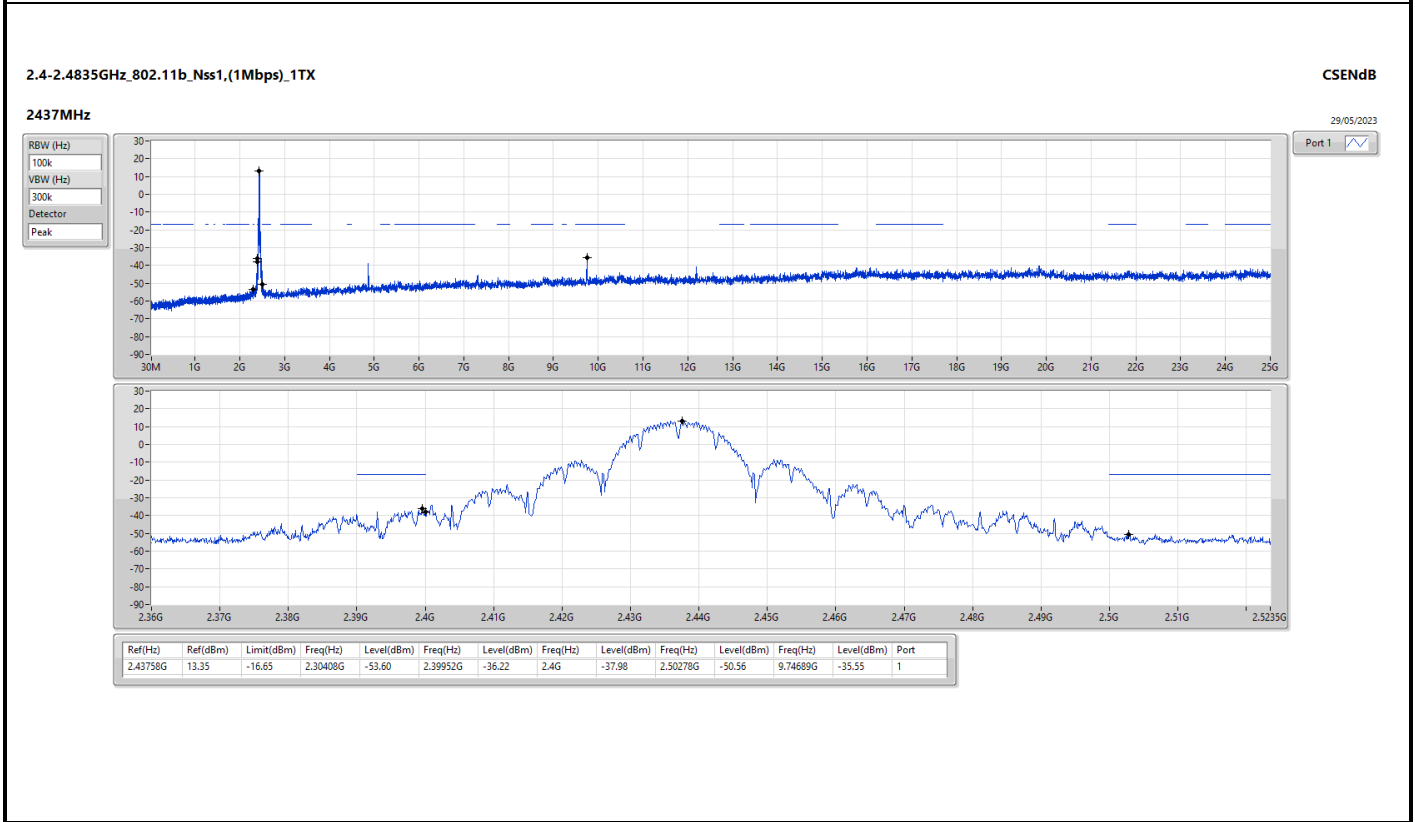
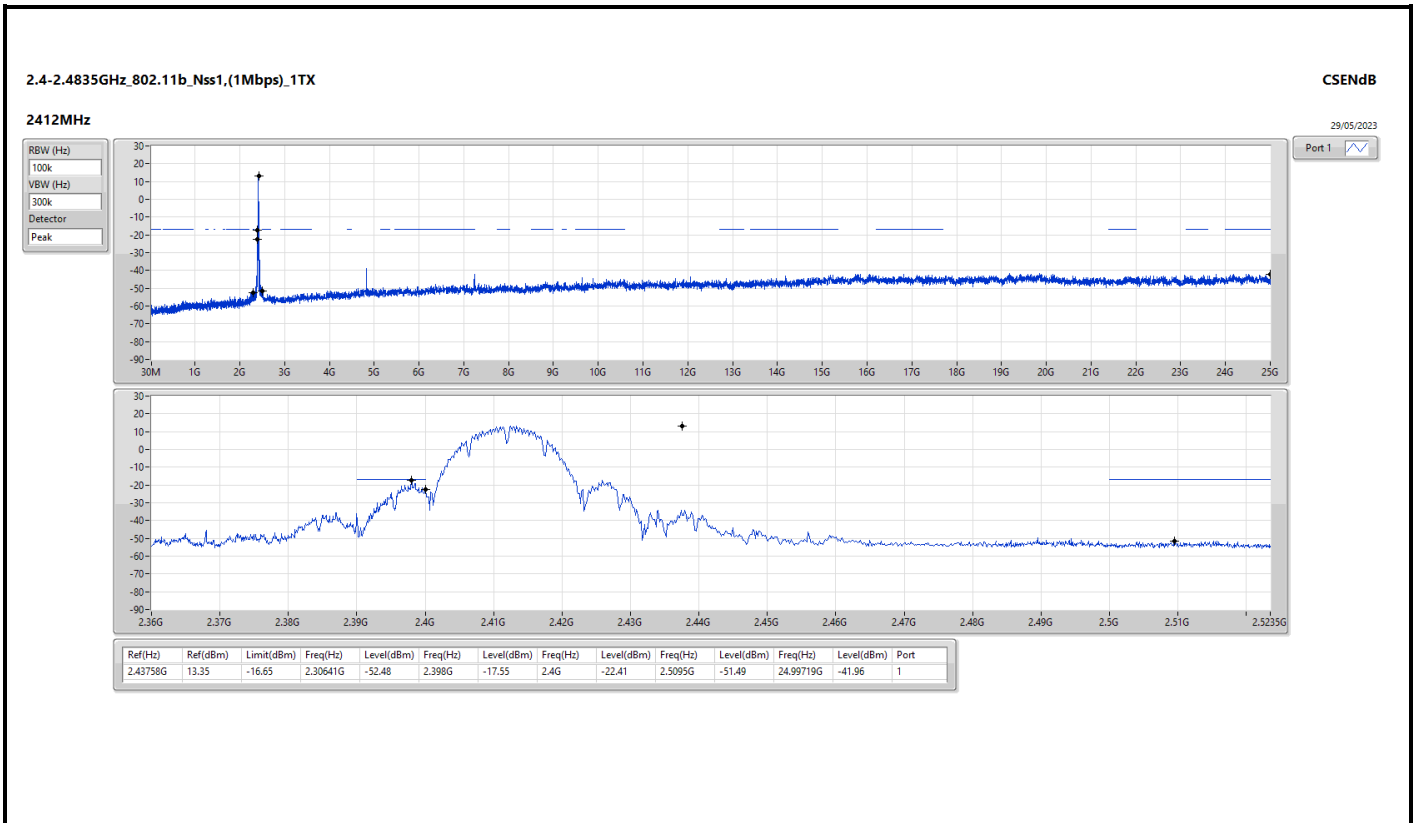
Summary

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43758G	13.35	-16.65	2.30641G	-52.48	2.398G	-17.55	2.4G	-22.41	2.5095G	-51.49	24.99719G	-41.96	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.44192G	11.27	-18.73	1.86954G	-54.84	2.39992G	-19.47	2.4G	-19.17	2.50974G	-50.90	17.52094G	-40.57	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.4319G	11.23	-18.77	2.30641G	-54.38	2.4G	-22.15	2.4G	-22.24	2.50326G	-50.33	24.48304G	-42.17	1

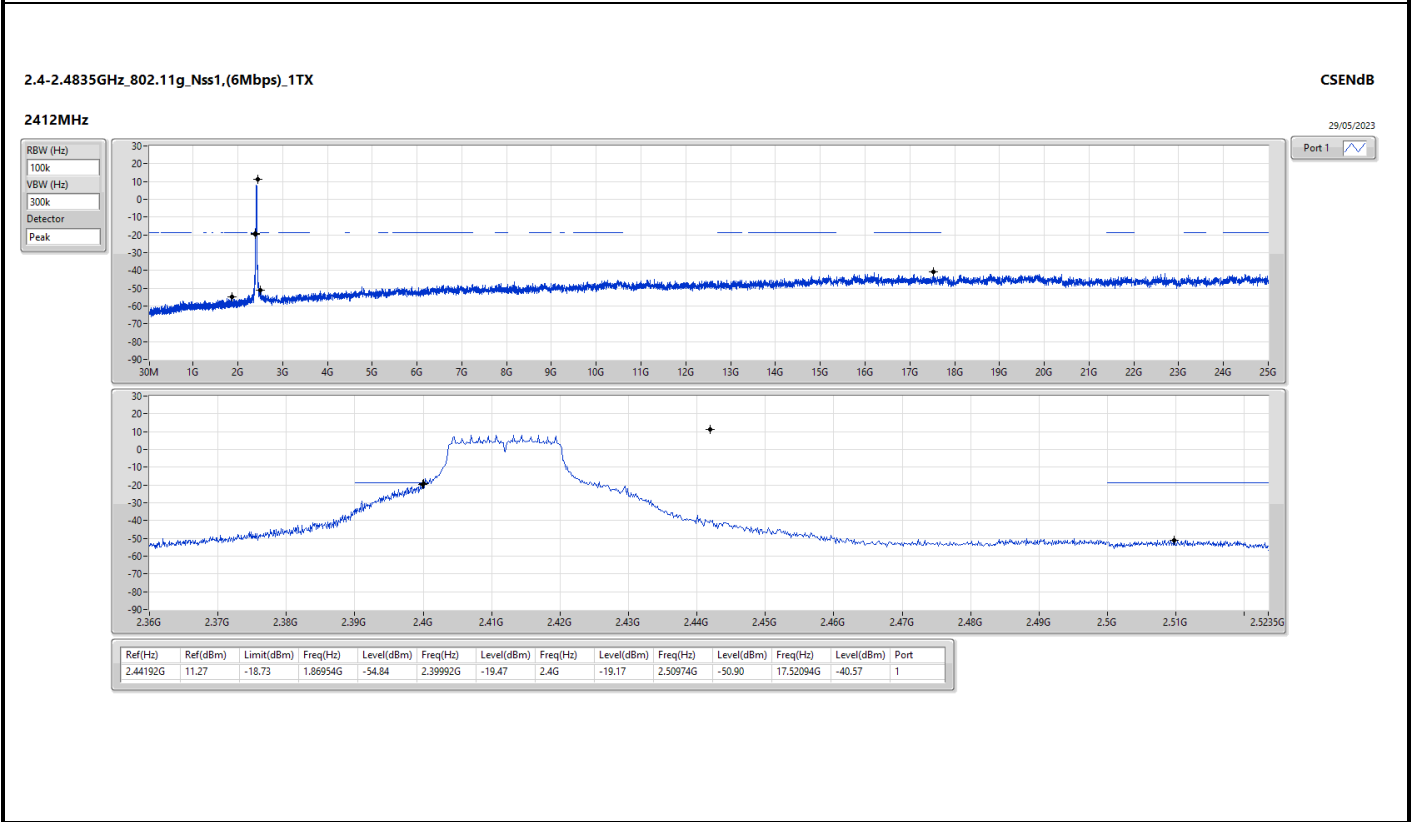
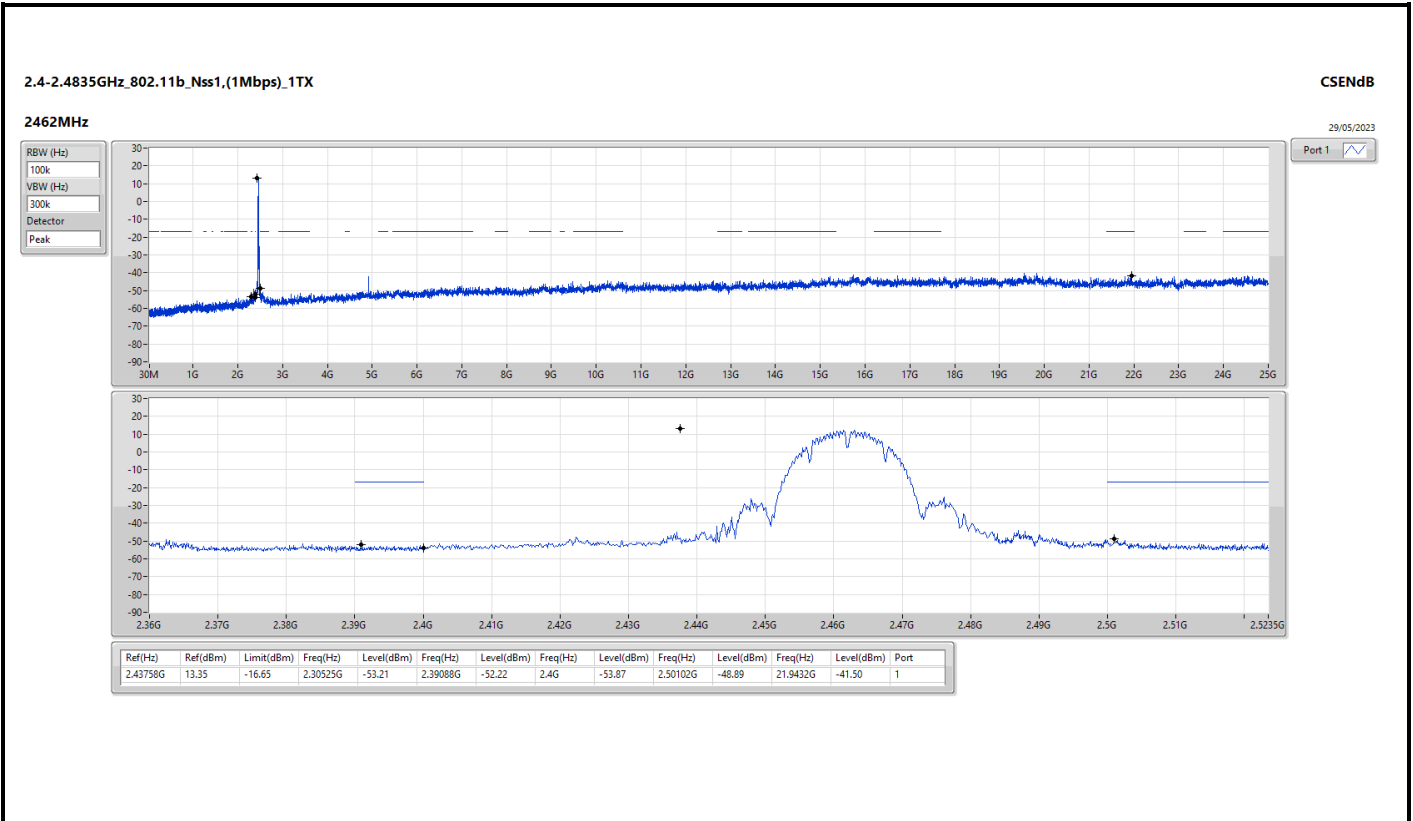


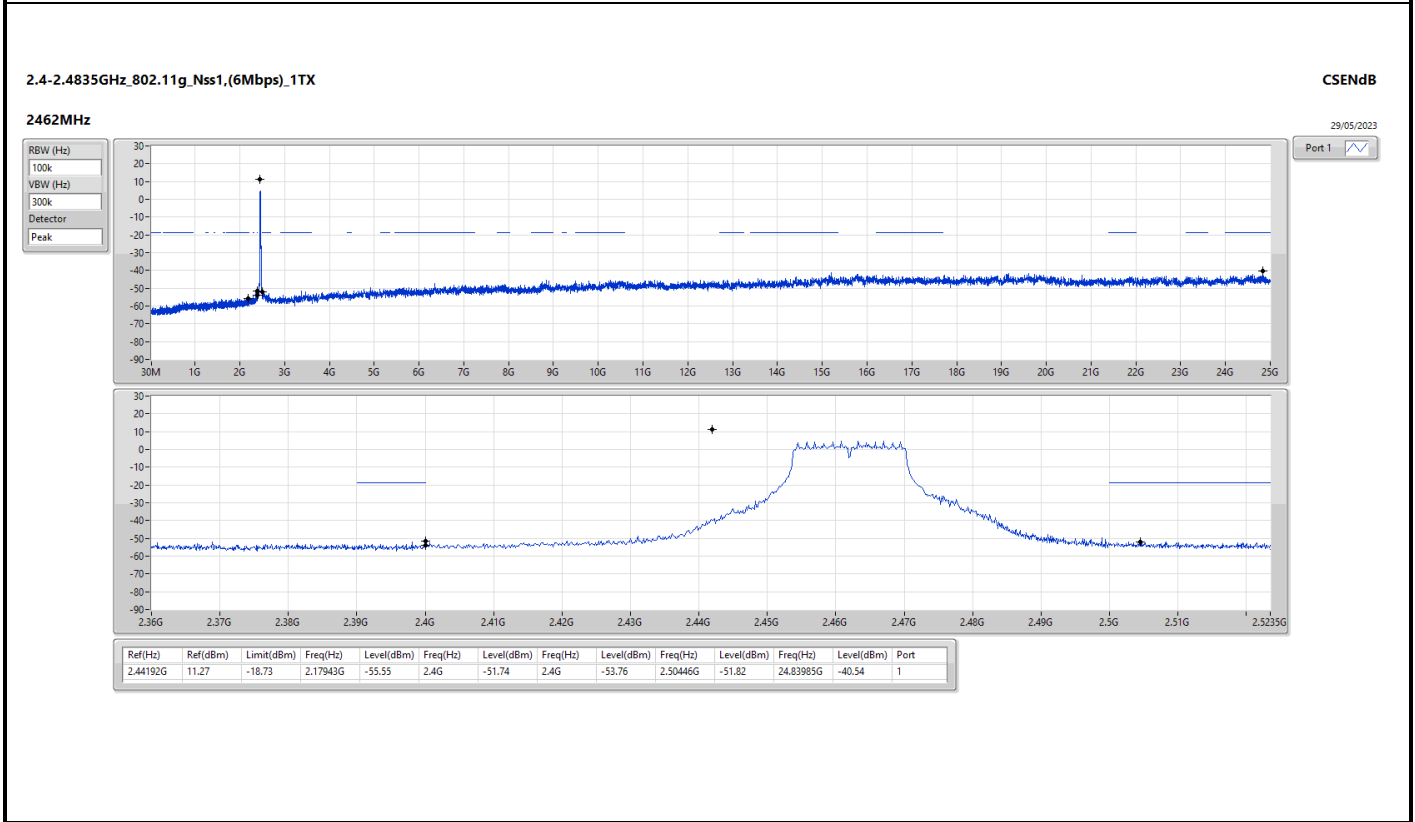
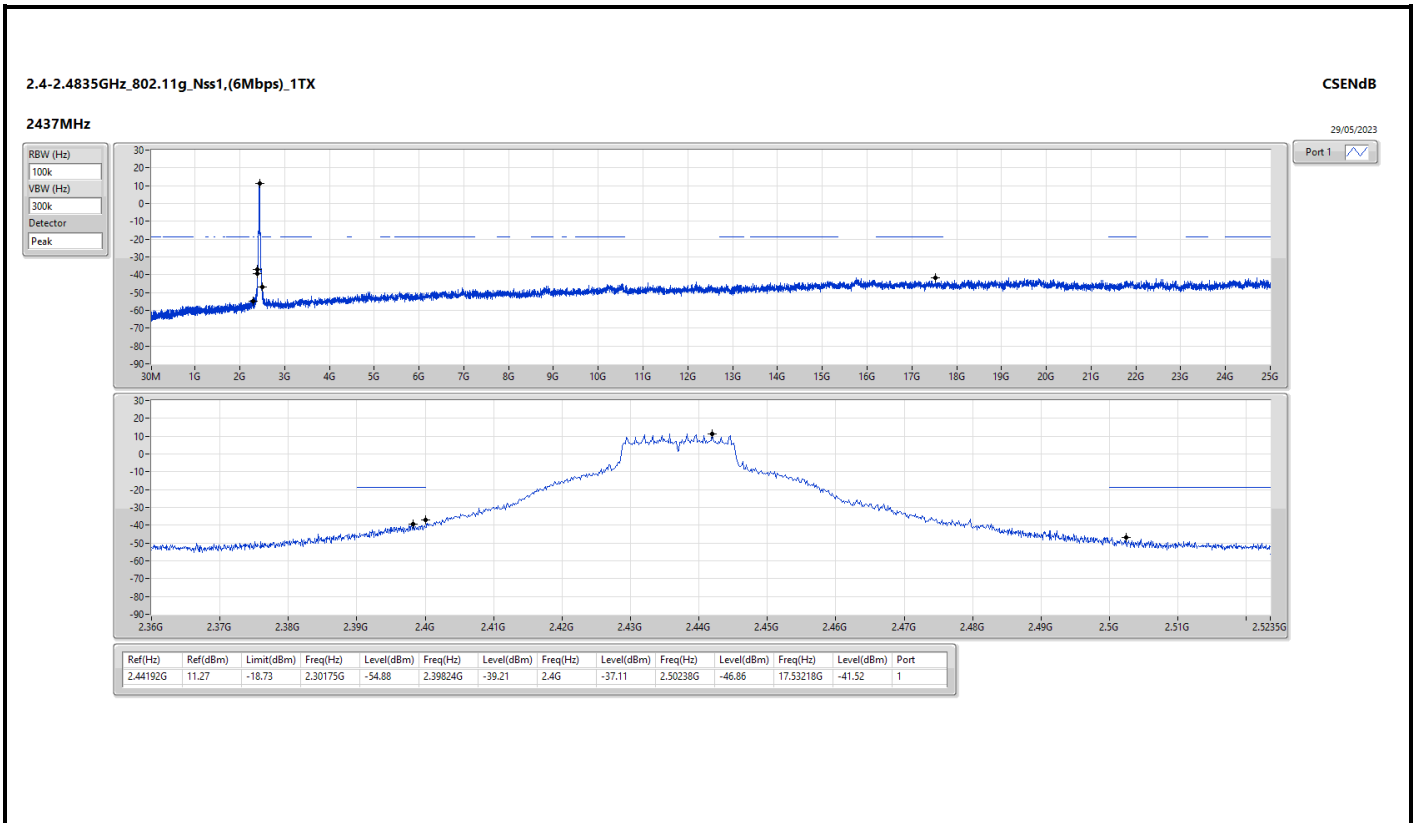
Result

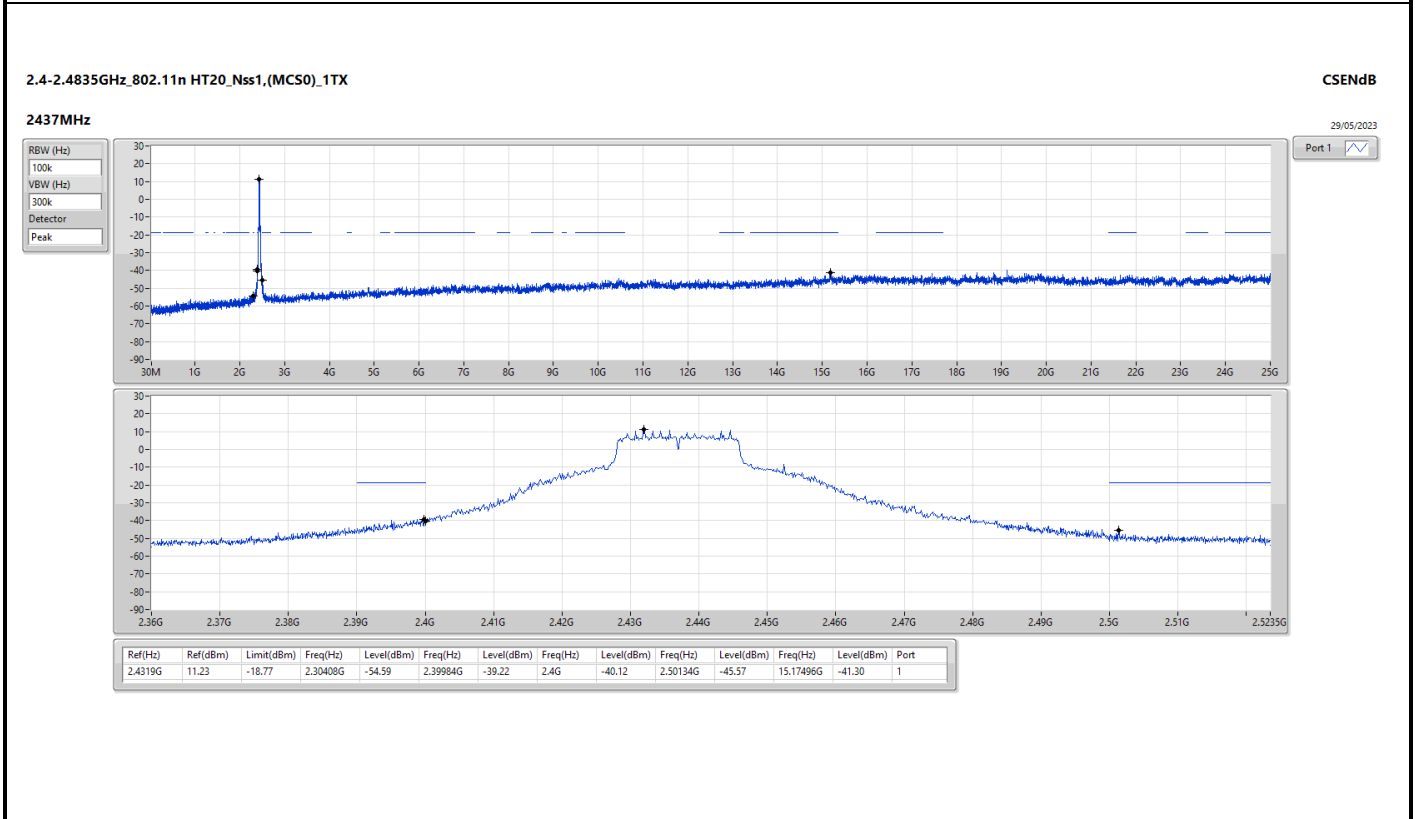
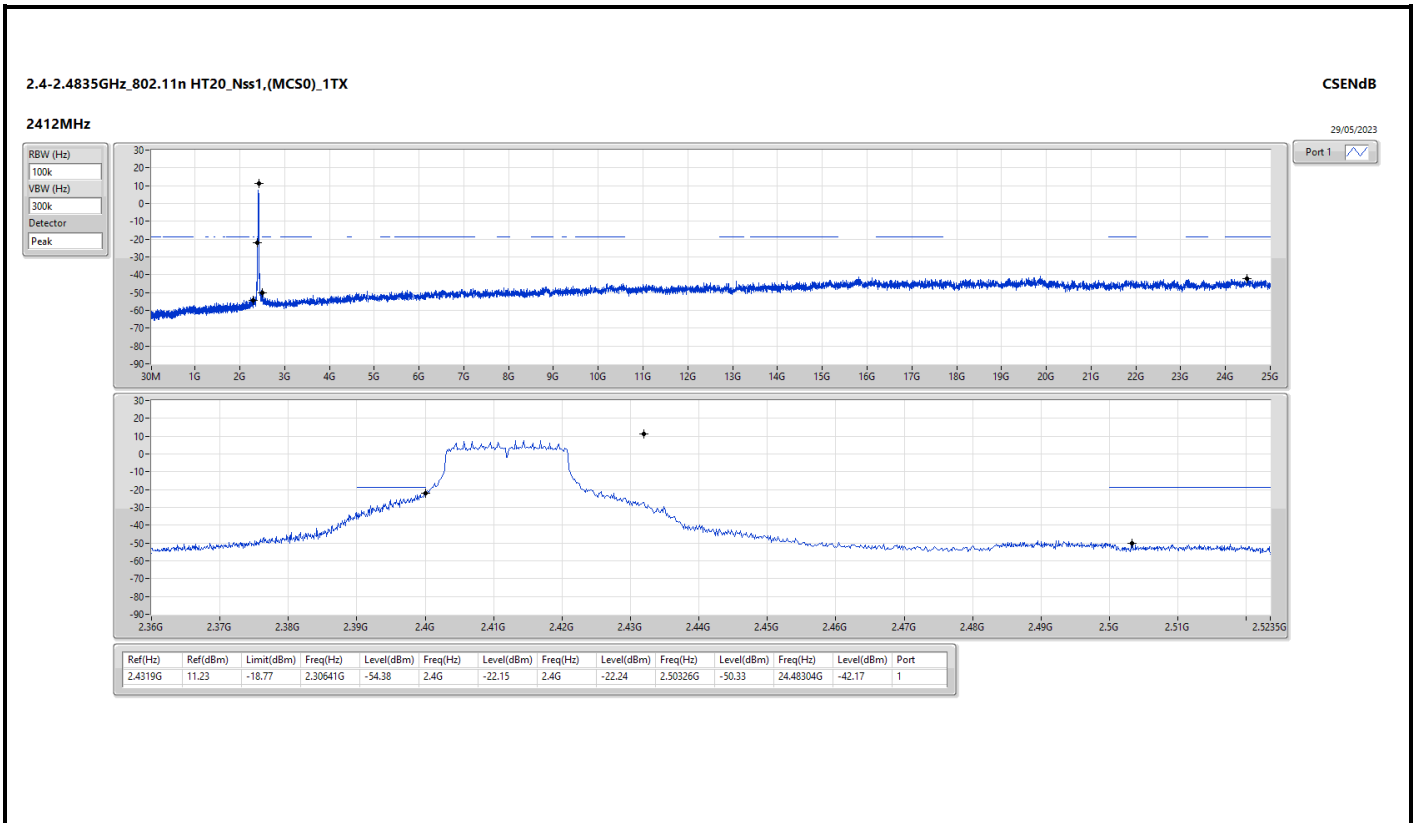
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1.(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43758G	13.35	-16.65	2.30641G	-52.48	2.398G	-17.55	2.4G	-22.41	2.5095G	-51.49	24.99719G	-41.96	1
2437MHz	Pass	2.43758G	13.35	-16.65	2.30408G	-53.60	2.39952G	-36.22	2.4G	-37.98	2.50278G	-50.56	9.74689G	-35.55	1
2462MHz	Pass	2.43758G	13.35	-16.65	2.30525G	-53.21	2.39088G	-52.22	2.4G	-53.87	2.50102G	-48.89	21.9432G	-41.50	1
802.11g_Nss1.(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	11.27	-18.73	1.86954G	-54.84	2.39992G	-19.47	2.4G	-19.17	2.50974G	-50.90	17.52094G	-40.57	1
2437MHz	Pass	2.44192G	11.27	-18.73	2.30175G	-54.88	2.39824G	-39.21	2.4G	-37.11	2.50238G	-46.86	17.53218G	-41.52	1
2462MHz	Pass	2.44192G	11.27	-18.73	2.17943G	-55.55	2.4G	-51.74	2.4G	-53.76	2.50446G	-51.82	24.83985G	-40.54	1
802.11n HT20_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	11.23	-18.77	2.30641G	-54.38	2.4G	-22.15	2.4G	-22.24	2.50326G	-50.33	24.48304G	-42.17	1
2437MHz	Pass	2.4319G	11.23	-18.77	2.30408G	-54.59	2.39984G	-39.22	2.4G	-40.12	2.50134G	-45.57	15.17496G	-41.30	1
2462MHz	Pass	2.4319G	11.23	-18.77	2.13982G	-54.61	2.3972G	-53.08	2.4G	-53.93	2.52254G	-51.48	24.62352G	-42.02	1

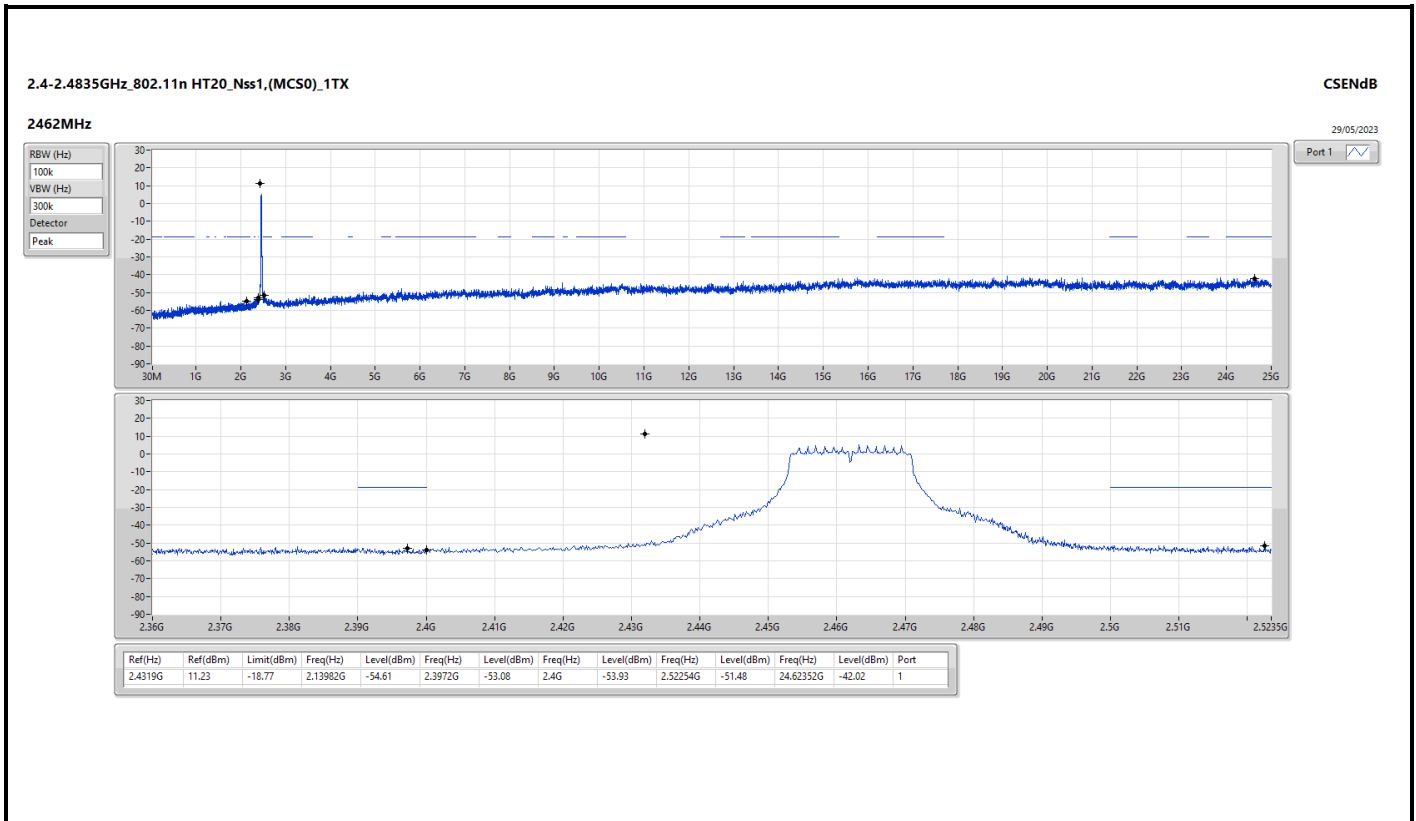














Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11g_Nss1,(6Mbps)_1TX	Pass	PK	313.24M	39.86	46.00	-6.14	3	Vertical	0	1.00

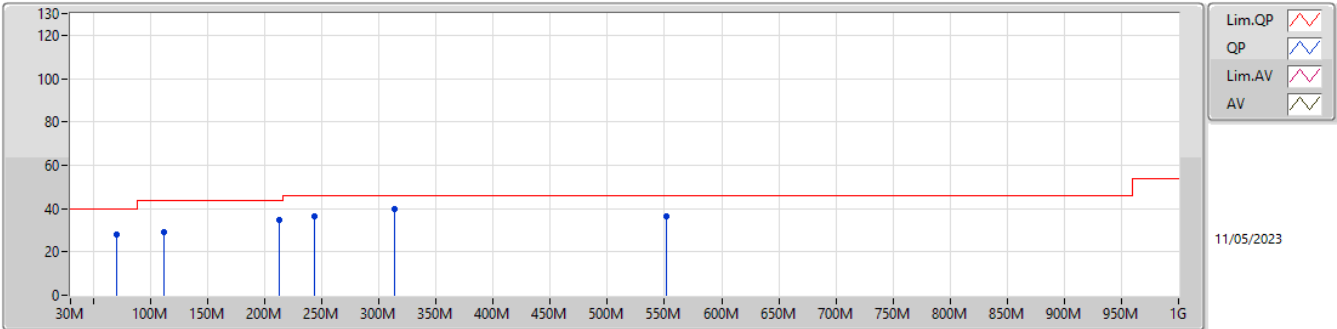


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	70.74M	27.86	40.00	-12.14	3	Vertical	0	1.00
2437MHz	Pass	PK	111.48M	29.20	43.50	-14.30	3	Vertical	0	1.00
2437MHz	Pass	PK	212.36M	34.87	43.50	-8.63	3	Vertical	0	1.00
2437MHz	Pass	PK	243.4M	36.64	46.00	-9.36	3	Vertical	0	1.00
2437MHz	Pass	PK	313.24M	39.86	46.00	-6.14	3	Vertical	0	1.00
2437MHz	Pass	PK	551.86M	36.26	46.00	-9.74	3	Vertical	0	1.00
2437MHz	Pass	PK	57.16M	22.80	40.00	-17.20	3	Horizontal	360	1.00
2437MHz	Pass	PK	99.84M	24.35	43.50	-19.15	3	Horizontal	360	1.00
2437MHz	Pass	PK	297.72M	36.24	46.00	-9.76	3	Horizontal	360	1.00
2437MHz	Pass	PK	559.62M	33.58	46.00	-12.42	3	Horizontal	360	1.00
2437MHz	Pass	PK	639.16M	32.12	46.00	-13.88	3	Horizontal	360	1.00
2437MHz	Pass	PK	838.98M	30.06	46.00	-15.94	3	Horizontal	360	1.00

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

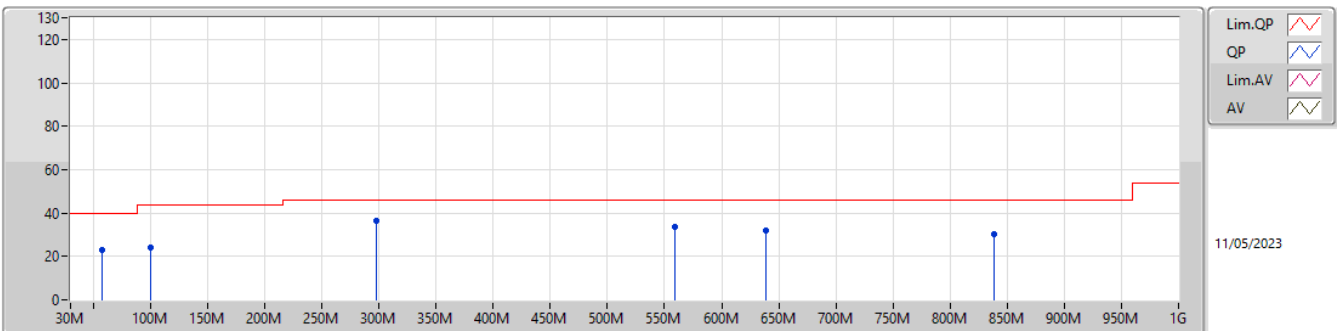
2437MHz\_TX



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	70.74M	27.86	40.00	-12.14	-24.43	3	Vertical	0	1.00	52.29	11.53	0.91	36.87
PK	111.48M	29.20	43.50	-14.30	-19.25	3	Vertical	0	1.00	48.45	16.15	1.16	36.56
PK	212.36M	34.87	43.50	-8.63	-20.44	3	Vertical	0	1.00	55.31	14.14	1.67	36.25
PK	243.4M	36.64	46.00	-9.36	-17.74	3	Vertical	0	1.00	54.38	16.84	1.81	36.39
PK	313.24M	39.86	46.00	-6.14	-15.82	3	Vertical	0	1.00	55.68	18.49	2.10	36.41
PK	551.86M	36.26	46.00	-9.74	-9.48	3	Vertical	0	1.00	45.74	24.67	2.91	37.06

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

2437MHz\_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	57.16M	22.80	40.00	-17.20	-25.00	3	Horizontal	360	1.00	47.80	11.19	0.80	36.99
PK	99.84M	24.35	43.50	-19.15	-20.27	3	Horizontal	360	1.00	44.62	15.21	1.11	36.59
PK	297.72M	36.24	46.00	-9.76	-16.00	3	Horizontal	360	1.00	52.24	18.34	2.04	36.38
PK	559.62M	33.58	46.00	-12.42	-8.88	3	Horizontal	360	1.00	42.46	25.25	2.93	37.06
PK	639.16M	32.12	46.00	-13.88	-8.30	3	Horizontal	360	1.00	40.42	25.63	3.14	37.07
PK	838.98M	30.06	46.00	-15.94	-5.69	3	Horizontal	360	1.00	35.75	28.18	3.65	37.52



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.4846G	53.89	54.00	-0.11	3	Vertical	264	1.00
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	53.75	54.00	-0.25	3	Vertical	253	2.30
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4836G	53.66	54.00	-0.34	3	Vertical	238	1.12





Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386G	53.50	54.00	-0.50	3	Vertical	293	1.45
2412MHz	Pass	AV	2.4128G	105.58	Inf	-Inf	3	Vertical	293	1.45
2412MHz	Pass	PK	2.3898G	62.06	74.00	-11.94	3	Vertical	293	1.45
2412MHz	Pass	PK	2.4122G	108.12	Inf	-Inf	3	Vertical	293	1.45
2412MHz	Pass	AV	2.3872G	47.85	54.00	-6.15	3	Horizontal	206	1.47
2412MHz	Pass	AV	2.4112G	100.34	Inf	-Inf	3	Horizontal	206	1.47
2412MHz	Pass	PK	2.3872G	57.75	74.00	-16.25	3	Horizontal	206	1.47
2412MHz	Pass	PK	2.4124G	102.79	Inf	-Inf	3	Horizontal	206	1.47
2412MHz	Pass	AV	4.82399G	45.97	54.00	-8.03	3	Vertical	236	1.09
2412MHz	Pass	PK	4.82393G	50.85	74.00	-23.15	3	Vertical	236	1.09
2412MHz	Pass	AV	4.824G	49.41	54.00	-4.59	3	Horizontal	180	2.76
2412MHz	Pass	PK	4.82397G	53.03	74.00	-20.97	3	Horizontal	180	2.76
2417MHz	Pass	AV	2.39G	53.67	54.00	-0.33	3	Vertical	242	1.09
2417MHz	Pass	AV	2.4162G	105.44	Inf	-Inf	3	Vertical	242	1.09
2417MHz	Pass	PK	2.3898G	60.33	74.00	-13.67	3	Vertical	242	1.09
2417MHz	Pass	PK	2.4174G	107.74	Inf	-Inf	3	Vertical	242	1.09
2417MHz	Pass	AV	2.39G	48.98	54.00	-5.02	3	Horizontal	206	2.38
2417MHz	Pass	AV	2.4162G	100.18	Inf	-Inf	3	Horizontal	206	2.38
2417MHz	Pass	PK	2.3894G	57.96	74.00	-16.04	3	Horizontal	206	2.38
2417MHz	Pass	PK	2.416G	102.61	Inf	-Inf	3	Horizontal	206	2.38
2437MHz	Pass	AV	2.3754G	46.31	54.00	-7.69	3	Vertical	264	1.00
2437MHz	Pass	AV	2.4378G	107.56	Inf	-Inf	3	Vertical	264	1.00
2437MHz	Pass	AV	2.4846G	53.89	54.00	-0.11	3	Vertical	264	1.00
2437MHz	Pass	PK	2.3742G	57.06	74.00	-16.94	3	Vertical	264	1.00
2437MHz	Pass	PK	2.4378G	109.60	Inf	-Inf	3	Vertical	264	1.00
2437MHz	Pass	PK	2.4838G	60.46	74.00	-13.54	3	Vertical	264	1.00
2437MHz	Pass	AV	2.3862G	44.86	54.00	-9.14	3	Horizontal	205	2.08
2437MHz	Pass	AV	2.4378G	103.51	Inf	-Inf	3	Horizontal	205	2.08
2437MHz	Pass	AV	2.4846G	49.38	54.00	-4.62	3	Horizontal	205	2.08
2437MHz	Pass	PK	2.383G	56.02	74.00	-17.98	3	Horizontal	205	2.08
2437MHz	Pass	PK	2.4378G	105.63	Inf	-Inf	3	Horizontal	205	2.08
2437MHz	Pass	PK	2.4962G	57.97	74.00	-16.03	3	Horizontal	205	2.08
2437MHz	Pass	AV	4.87402G	46.82	54.00	-7.18	3	Vertical	236	1.14
2437MHz	Pass	AV	7.31182G	45.42	54.00	-8.58	3	Vertical	80	1.50
2437MHz	Pass	PK	4.87412G	51.39	74.00	-22.61	3	Vertical	236	1.14
2437MHz	Pass	PK	7.31198G	53.16	74.00	-20.84	3	Vertical	80	1.50
2437MHz	Pass	AV	4.87403G	51.20	54.00	-2.80	3	Horizontal	179	2.74
2437MHz	Pass	AV	7.31184G	49.97	54.00	-4.03	3	Horizontal	183	2.11
2437MHz	Pass	PK	4.87405G	54.20	74.00	-19.80	3	Horizontal	179	2.74
2437MHz	Pass	PK	7.31198G	55.81	74.00	-18.19	3	Horizontal	183	2.11
2457MHz	Pass	AV	2.4562G	106.85	Inf	-Inf	3	Vertical	252	2.53
2457MHz	Pass	AV	2.4835G	53.25	54.00	-0.75	3	Vertical	252	2.53
2457MHz	Pass	PK	2.457G	109.29	Inf	-Inf	3	Vertical	252	2.53
2457MHz	Pass	PK	2.4836G	59.89	74.00	-14.11	3	Vertical	252	2.53
2457MHz	Pass	AV	2.4562G	100.89	Inf	-Inf	3	Horizontal	164	1.86
2457MHz	Pass	AV	2.4835G	48.81	54.00	-5.19	3	Horizontal	164	1.86
2457MHz	Pass	PK	2.457G	103.21	Inf	-Inf	3	Horizontal	164	1.86
2457MHz	Pass	PK	2.4836G	57.85	74.00	-16.15	3	Horizontal	164	1.86
2462MHz	Pass	AV	2.4612G	103.81	Inf	-Inf	3	Vertical	241	1.24
2462MHz	Pass	AV	2.4878G	53.52	54.00	-0.48	3	Vertical	241	1.24
2462MHz	Pass	PK	2.4618G	106.32	Inf	-Inf	3	Vertical	241	1.24
2462MHz	Pass	PK	2.4842G	61.89	74.00	-12.11	3	Vertical	241	1.24
2462MHz	Pass	AV	2.4628G	99.51	Inf	-Inf	3	Horizontal	337	1.84
2462MHz	Pass	AV	2.4835G	48.49	54.00	-5.51	3	Horizontal	337	1.84
2462MHz	Pass	PK	2.4624G	101.80	Inf	-Inf	3	Horizontal	337	1.84
2462MHz	Pass	PK	2.4842G	59.57	74.00	-14.43	3	Horizontal	337	1.84
2462MHz	Pass	AV	4.924G	43.33	54.00	-10.67	3	Vertical	232	1.37
2462MHz	Pass	AV	7.38678G	39.76	54.00	-14.24	3	Vertical	138	2.10
2462MHz	Pass	PK	4.92393G	49.24	74.00	-24.76	3	Vertical	232	1.37
2462MHz	Pass	PK	7.38652G	50.32	74.00	-23.68	3	Vertical	138	2.10



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	4.92399G	48.51	54.00	-5.49	3	Horizontal	175	2.52
2462MHz	Pass	AV	7.38678G	41.65	54.00	-12.35	3	Horizontal	180	2.19
2462MHz	Pass	PK	4.92401G	52.53	74.00	-21.47	3	Horizontal	175	2.52
2462MHz	Pass	PK	7.38682G	50.57	74.00	-23.43	3	Horizontal	180	2.19
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	53.63	54.00	-0.37	3	Vertical	276	1.62
2412MHz	Pass	AV	2.4136G	98.55	Inf	-Inf	3	Vertical	276	1.62
2412MHz	Pass	PK	2.39G	69.17	74.00	-4.83	3	Vertical	276	1.62
2412MHz	Pass	PK	2.4136G	106.65	Inf	-Inf	3	Vertical	276	1.62
2412MHz	Pass	AV	2.39G	50.54	54.00	-3.46	3	Horizontal	206	2.38
2412MHz	Pass	AV	2.4138G	93.38	Inf	-Inf	3	Horizontal	206	2.38
2412MHz	Pass	PK	2.39G	62.73	74.00	-11.27	3	Horizontal	206	2.38
2412MHz	Pass	PK	2.4102G	101.90	Inf	-Inf	3	Horizontal	206	2.38
2412MHz	Pass	AV	4.8245G	35.03	54.00	-18.97	3	Vertical	236	1.08
2412MHz	Pass	PK	4.82294G	46.46	74.00	-27.54	3	Vertical	236	1.08
2412MHz	Pass	AV	4.82416G	36.37	54.00	-17.63	3	Horizontal	178	2.92
2412MHz	Pass	PK	4.82516G	47.92	74.00	-26.08	3	Horizontal	178	2.92
2417MHz	Pass	AV	2.39G	53.75	54.00	-0.25	3	Vertical	253	2.30
2417MHz	Pass	AV	2.4188G	101.12	Inf	-Inf	3	Vertical	253	2.30
2417MHz	Pass	PK	2.389G	69.49	74.00	-4.51	3	Vertical	253	2.30
2417MHz	Pass	PK	2.4196G	108.91	Inf	-Inf	3	Vertical	253	2.30
2417MHz	Pass	AV	2.3892G	45.65	54.00	-8.35	3	Horizontal	206	2.38
2417MHz	Pass	AV	2.4134G	91.80	Inf	-Inf	3	Horizontal	206	2.38
2417MHz	Pass	PK	2.3894G	57.13	74.00	-16.87	3	Horizontal	206	2.38
2417MHz	Pass	PK	2.4138G	99.93	Inf	-Inf	3	Horizontal	206	2.38
2437MHz	Pass	AV	2.3898G	47.78	54.00	-6.22	3	Vertical	286	1.00
2437MHz	Pass	AV	2.4394G	102.65	Inf	-Inf	3	Vertical	286	1.00
2437MHz	Pass	AV	2.4838G	53.04	54.00	-0.96	3	Vertical	286	1.00
2437MHz	Pass	PK	2.3878G	60.25	74.00	-13.75	3	Vertical	286	1.00
2437MHz	Pass	PK	2.4406G	110.63	Inf	-Inf	3	Vertical	286	1.00
2437MHz	Pass	PK	2.4854G	68.60	74.00	-5.40	3	Vertical	286	1.00
2437MHz	Pass	AV	2.3898G	45.77	54.00	-8.23	3	Horizontal	204	2.08
2437MHz	Pass	AV	2.4394G	98.63	Inf	-Inf	3	Horizontal	204	2.08
2437MHz	Pass	AV	2.4835G	49.43	54.00	-4.57	3	Horizontal	204	2.08
2437MHz	Pass	PK	2.3886G	57.24	74.00	-16.76	3	Horizontal	204	2.08
2437MHz	Pass	PK	2.4406G	106.60	Inf	-Inf	3	Horizontal	204	2.08
2437MHz	Pass	PK	2.4835G	62.57	74.00	-11.43	3	Horizontal	204	2.08
2437MHz	Pass	AV	4.87412G	34.97	54.00	-19.03	3	Vertical	232	1.37
2437MHz	Pass	AV	7.30698G	40.50	54.00	-13.50	3	Vertical	76	1.50
2437MHz	Pass	PK	4.87196G	45.98	74.00	-28.02	3	Vertical	232	1.37
2437MHz	Pass	PK	7.31496G	52.53	74.00	-21.47	3	Vertical	76	1.50
2437MHz	Pass	AV	4.8716G	38.11	54.00	-15.89	3	Horizontal	173	2.74
2437MHz	Pass	AV	7.31034G	42.40	54.00	-11.60	3	Horizontal	180	2.12
2437MHz	Pass	PK	4.87346G	49.31	74.00	-24.69	3	Horizontal	173	2.74
2437MHz	Pass	PK	7.30518G	54.09	74.00	-19.91	3	Horizontal	180	2.12
2457MHz	Pass	AV	2.4554G	98.07	Inf	-Inf	3	Vertical	241	1.27
2457MHz	Pass	AV	2.484G	53.24	54.00	-0.76	3	Vertical	241	1.27
2457MHz	Pass	PK	2.456G	105.75	Inf	-Inf	3	Vertical	241	1.27
2457MHz	Pass	PK	2.4835G	66.22	74.00	-7.78	3	Vertical	241	1.27
2457MHz	Pass	AV	2.4554G	94.30	Inf	-Inf	3	Horizontal	194	2.66
2457MHz	Pass	AV	2.4835G	50.07	54.00	-3.93	3	Horizontal	194	2.66
2457MHz	Pass	PK	2.4518G	101.98	Inf	-Inf	3	Horizontal	194	2.66
2457MHz	Pass	PK	2.484G	62.32	74.00	-11.68	3	Horizontal	194	2.66
2462MHz	Pass	AV	2.4686G	96.17	Inf	-Inf	3	Vertical	241	1.12
2462MHz	Pass	AV	2.4836G	53.15	54.00	-0.85	3	Vertical	241	1.12
2462MHz	Pass	PK	2.4684G	104.18	Inf	-Inf	3	Vertical	241	1.12
2462MHz	Pass	PK	2.4838G	69.62	74.00	-4.38	3	Vertical	241	1.12
2462MHz	Pass	AV	2.4686G	92.09	Inf	-Inf	3	Horizontal	194	2.34
2462MHz	Pass	AV	2.4836G	50.20	54.00	-3.80	3	Horizontal	194	2.34
2462MHz	Pass	PK	2.4684G	100.91	Inf	-Inf	3	Horizontal	194	2.34
2462MHz	Pass	PK	2.4838G	67.05	74.00	-6.95	3	Horizontal	194	2.34
2462MHz	Pass	AV	4.92244G	33.90	54.00	-20.10	3	Vertical	283	1.91



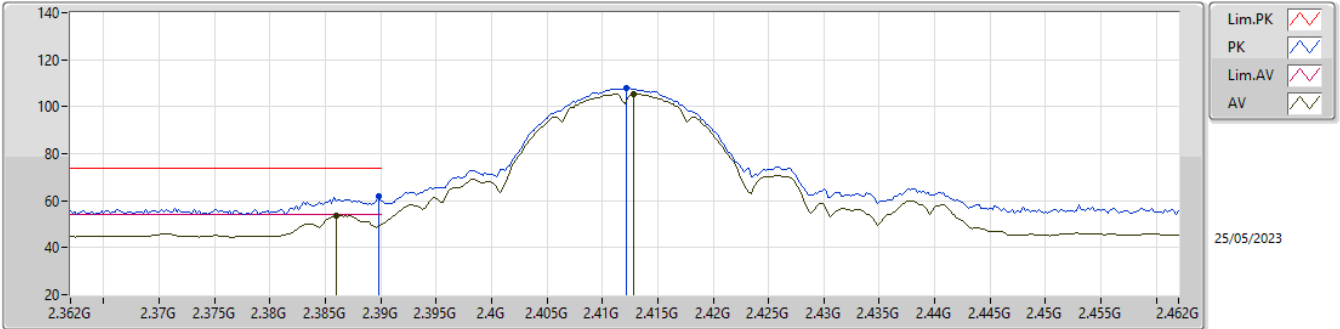
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	AV	7.37394G	37.99	54.00	-16.01	3	Vertical	359	1.50
2462MHz	Pass	PK	4.93798G	45.25	74.00	-28.75	3	Vertical	283	1.91
2462MHz	Pass	PK	7.37424G	49.56	74.00	-24.44	3	Vertical	359	1.50
2462MHz	Pass	AV	4.9228G	35.67	54.00	-18.33	3	Horizontal	177	3.00
2462MHz	Pass	AV	7.37442G	38.09	54.00	-15.91	3	Horizontal	172	2.39
2462MHz	Pass	PK	4.92256G	47.89	74.00	-26.11	3	Horizontal	177	3.00
2462MHz	Pass	PK	7.37706G	49.45	74.00	-24.55	3	Horizontal	172	2.39
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	53.02	54.00	-0.98	3	Vertical	276	1.63
2412MHz	Pass	AV	2.413G	97.58	Inf	-Inf	3	Vertical	276	1.63
2412MHz	Pass	PK	2.3894G	67.40	74.00	-6.60	3	Vertical	276	1.63
2412MHz	Pass	PK	2.4112G	105.38	Inf	-Inf	3	Vertical	276	1.63
2412MHz	Pass	AV	2.3898G	48.92	54.00	-5.08	3	Horizontal	205	1.48
2412MHz	Pass	AV	2.4102G	92.33	Inf	-Inf	3	Horizontal	205	1.48
2412MHz	Pass	PK	2.3892G	62.41	74.00	-11.59	3	Horizontal	205	1.48
2412MHz	Pass	PK	2.4082G	100.44	Inf	-Inf	3	Horizontal	205	1.48
2412MHz	Pass	AV	4.82588G	35.14	54.00	-18.86	3	Vertical	235	1.12
2412MHz	Pass	PK	4.82716G	45.72	74.00	-28.28	3	Vertical	235	1.12
2412MHz	Pass	AV	4.8242G	36.12	54.00	-17.88	3	Horizontal	178	2.91
2412MHz	Pass	PK	4.82616G	47.63	74.00	-26.37	3	Horizontal	178	2.91
2417MHz	Pass	AV	2.39G	53.51	54.00	-0.49	3	Vertical	275	1.62
2417MHz	Pass	AV	2.4142G	99.34	Inf	-Inf	3	Vertical	275	1.62
2417MHz	Pass	PK	2.3888G	68.25	74.00	-5.75	3	Vertical	275	1.62
2417MHz	Pass	PK	2.4152G	107.77	Inf	-Inf	3	Vertical	275	1.62
2417MHz	Pass	AV	2.39G	50.54	54.00	-3.46	3	Horizontal	205	2.38
2417MHz	Pass	AV	2.4148G	94.30	Inf	-Inf	3	Horizontal	205	2.38
2417MHz	Pass	PK	2.39G	62.79	74.00	-11.21	3	Horizontal	205	2.38
2417MHz	Pass	PK	2.4124G	102.99	Inf	-Inf	3	Horizontal	205	2.38
2437MHz	Pass	AV	2.3898G	47.98	54.00	-6.02	3	Vertical	285	1.00
2437MHz	Pass	AV	2.4406G	101.95	Inf	-Inf	3	Vertical	285	1.00
2437MHz	Pass	AV	2.4838G	53.21	54.00	-0.79	3	Vertical	285	1.00
2437MHz	Pass	PK	2.3898G	63.72	74.00	-10.28	3	Vertical	285	1.00
2437MHz	Pass	PK	2.439G	110.88	Inf	-Inf	3	Vertical	285	1.00
2437MHz	Pass	PK	2.4835G	67.54	74.00	-6.46	3	Vertical	285	1.00
2437MHz	Pass	AV	2.3898G	46.15	54.00	-7.85	3	Horizontal	203	2.07
2437MHz	Pass	AV	2.439G	98.15	Inf	-Inf	3	Horizontal	203	2.07
2437MHz	Pass	AV	2.4838G	50.03	54.00	-3.97	3	Horizontal	203	2.07
2437MHz	Pass	PK	2.3898G	58.27	74.00	-15.73	3	Horizontal	203	2.07
2437MHz	Pass	PK	2.4394G	106.82	Inf	-Inf	3	Horizontal	203	2.07
2437MHz	Pass	PK	2.4874G	63.02	74.00	-10.98	3	Horizontal	203	2.07
2437MHz	Pass	AV	4.87408G	35.37	54.00	-18.63	3	Vertical	234	1.00
2437MHz	Pass	AV	7.30812G	40.00	54.00	-14.00	3	Vertical	78	1.50
2437MHz	Pass	PK	4.8688G	46.01	74.00	-27.99	3	Vertical	234	1.00
2437MHz	Pass	PK	7.31064G	51.36	74.00	-22.64	3	Vertical	78	1.50
2437MHz	Pass	AV	4.872G	37.77	54.00	-16.23	3	Horizontal	177	2.74
2437MHz	Pass	AV	7.31168G	41.80	54.00	-12.20	3	Horizontal	187	2.14
2437MHz	Pass	PK	4.8746G	48.55	74.00	-25.45	3	Horizontal	177	2.74
2437MHz	Pass	PK	7.31172G	53.46	74.00	-20.54	3	Horizontal	187	2.14
2457MHz	Pass	AV	2.4562G	97.29	Inf	-Inf	3	Vertical	240	1.26
2457MHz	Pass	AV	2.4836G	53.18	54.00	-0.82	3	Vertical	240	1.26
2457MHz	Pass	PK	2.4526G	104.71	Inf	-Inf	3	Vertical	240	1.26
2457MHz	Pass	PK	2.4842G	68.10	74.00	-5.90	3	Vertical	240	1.26
2457MHz	Pass	AV	2.4548G	92.91	Inf	-Inf	3	Horizontal	197	2.64
2457MHz	Pass	AV	2.4835G	49.95	54.00	-4.05	3	Horizontal	197	2.64
2457MHz	Pass	PK	2.4528G	101.40	Inf	-Inf	3	Horizontal	197	2.64
2457MHz	Pass	PK	2.4838G	64.77	74.00	-9.23	3	Horizontal	197	2.64
2462MHz	Pass	AV	2.4696G	95.88	Inf	-Inf	3	Vertical	238	1.12
2462MHz	Pass	AV	2.4836G	53.66	54.00	-0.34	3	Vertical	238	1.12
2462MHz	Pass	PK	2.4692G	104.17	Inf	-Inf	3	Vertical	238	1.12
2462MHz	Pass	PK	2.4835G	70.57	74.00	-3.43	3	Vertical	238	1.12
2462MHz	Pass	AV	2.4684G	91.68	Inf	-Inf	3	Horizontal	193	2.33
2462MHz	Pass	AV	2.4835G	50.45	54.00	-3.55	3	Horizontal	193	2.33



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2462MHz	Pass	PK	2.4646G	99.95	Inf	-Inf	3	Horizontal	193	2.33
2462MHz	Pass	PK	2.4835G	67.51	74.00	-6.49	3	Horizontal	193	2.33
2462MHz	Pass	AV	4.92384G	34.07	54.00	-19.93	3	Vertical	230	1.50
2462MHz	Pass	AV	7.3848G	37.86	54.00	-16.14	3	Vertical	4	1.50
2462MHz	Pass	PK	4.91836G	45.62	74.00	-28.38	3	Vertical	230	1.50
2462MHz	Pass	PK	7.39024G	49.11	74.00	-24.89	3	Vertical	4	1.50
2462MHz	Pass	AV	4.92256G	35.29	54.00	-18.71	3	Horizontal	176	3.00
2462MHz	Pass	AV	7.38096G	38.16	54.00	-15.84	3	Horizontal	196	1.50
2462MHz	Pass	PK	4.92256G	46.67	74.00	-27.33	3	Horizontal	176	3.00
2462MHz	Pass	PK	7.3762G	50.08	74.00	-23.92	3	Horizontal	196	1.50

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

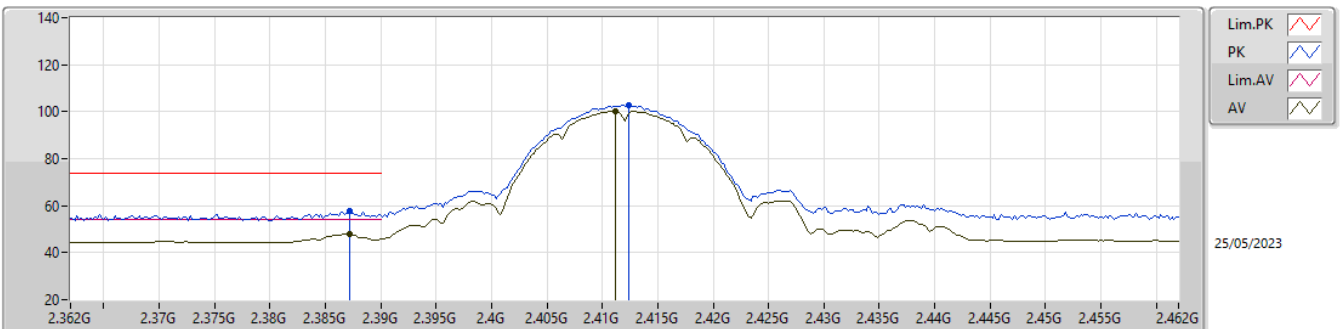
2412MHz\_TX



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	2.386G	53.50	54.00	-0.50	31.13	3	Vertical	293	1.45	22.37	27.37	3.76	-
AV	2.4128G	105.58	Inf	-Inf	31.21	3	Vertical	293	1.45	74.37	27.43	3.78	-
PK	2.3898G	62.06	74.00	-11.94	31.14	3	Vertical	293	1.45	30.92	27.38	3.76	-
PK	2.4122G	108.12	Inf	-Inf	31.20	3	Vertical	293	1.45	76.92	27.42	3.78	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

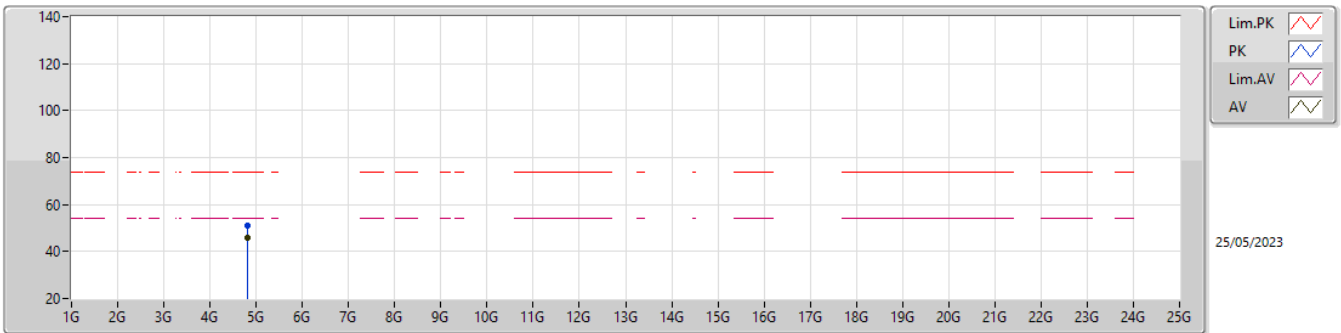
2412MHz\_TX



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	2.3872G	47.85	54.00	-6.15	31.13	3	Horizontal	206	1.47	16.72	27.37	3.76	-
AV	2.4112G	100.34	Inf	-Inf	31.20	3	Horizontal	206	1.47	69.14	27.42	3.78	-
PK	2.3872G	57.75	74.00	-16.25	31.13	3	Horizontal	206	1.47	26.62	27.37	3.76	-
PK	2.4124G	102.79	Inf	-Inf	31.20	3	Horizontal	206	1.47	71.59	27.42	3.78	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

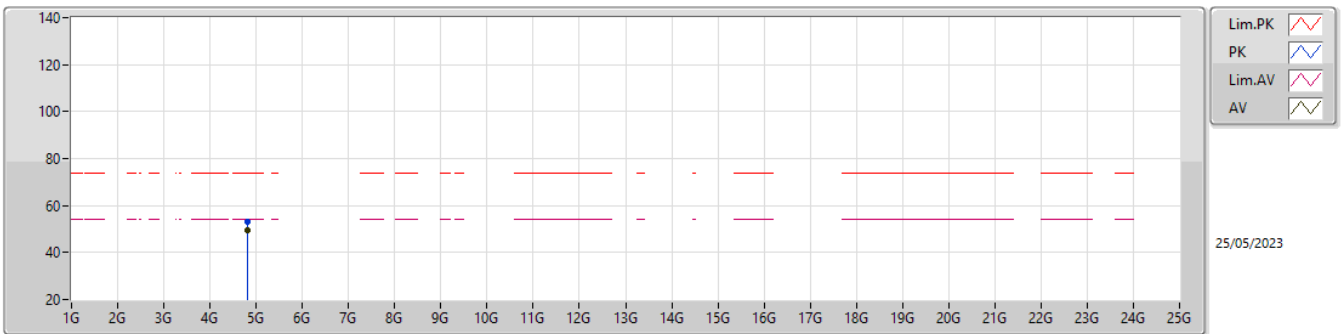
2412MHz\_TX



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	4.82399G	45.97	54.00	-8.03	3.13	3	Vertical	236	1.09	42.84	32.44	5.34	34.65
PK	4.82393G	50.85	74.00	-23.15	3.13	3	Vertical	236	1.09	47.72	32.44	5.34	34.65

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

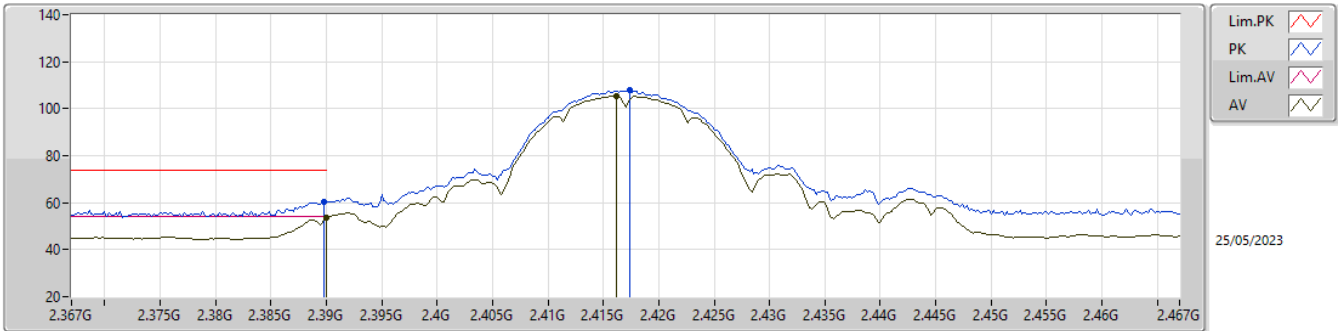
2412MHz\_TX



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	4.824G	49.41	54.00	-4.59	3.13	3	Horizontal	180	2.76	46.28	32.44	5.34	34.65
PK	4.82397G	53.03	74.00	-20.97	3.13	3	Horizontal	180	2.76	49.90	32.44	5.34	34.65

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

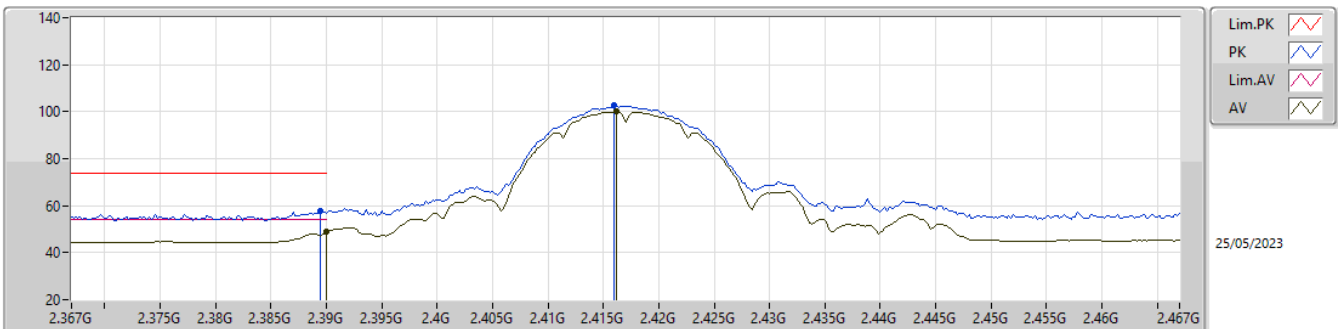
2417MHz\_TX



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	2.39G	53.67	54.00	-0.33	31.14	3	Vertical	242	1.09	22.53	27.38	3.76	-
AV	2.4162G	105.44	Inf	-Inf	31.21	3	Vertical	242	1.09	74.23	27.43	3.78	-
PK	2.3898G	60.33	74.00	-13.67	31.14	3	Vertical	242	1.09	29.19	27.38	3.76	-
PK	2.4174G	107.74	Inf	-Inf	31.21	3	Vertical	242	1.09	76.53	27.43	3.78	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

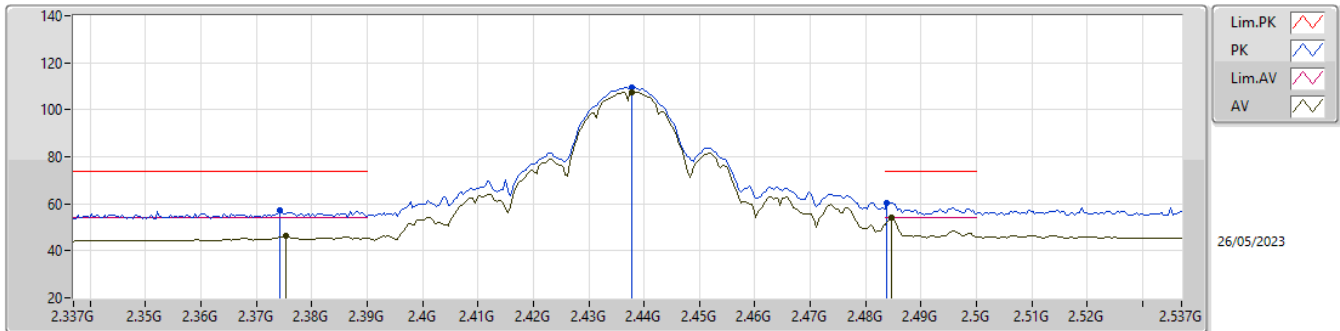
2417MHz\_TX



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	2.39G	48.98	54.00	-5.02	31.14	3	Horizontal	206	2.38	17.84	27.38	3.76	-
AV	2.4162G	100.18	Inf	-Inf	31.21	3	Horizontal	206	2.38	68.97	27.43	3.78	-
PK	2.3894G	57.96	74.00	-16.04	31.14	3	Horizontal	206	2.38	26.82	27.38	3.76	-
PK	2.416G	102.61	Inf	-Inf	31.21	3	Horizontal	206	2.38	71.40	27.43	3.78	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

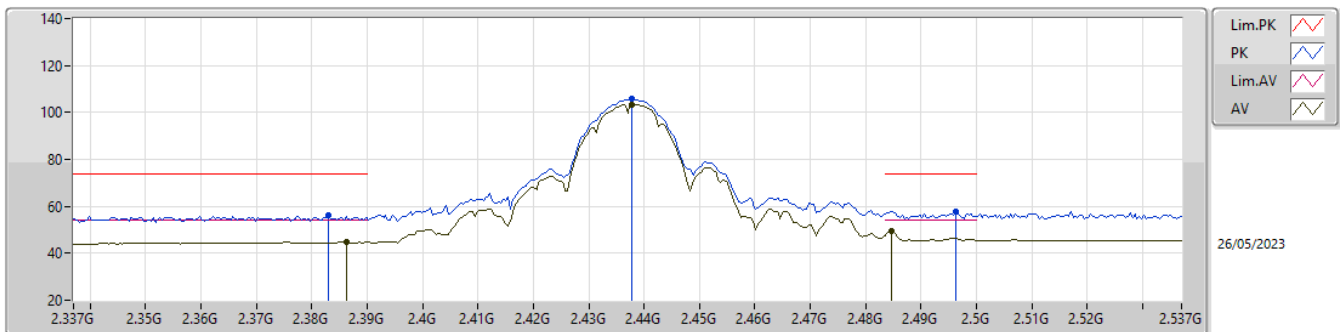
2437MHz\_TX



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	2.3754G	46.31	54.00	-7.69	31.09	3	Vertical	264	1.00	15.22	27.35	3.74	-
AV	2.4378G	107.56	Inf	-Inf	31.28	3	Vertical	264	1.00	76.28	27.48	3.80	-
AV	2.4846G	53.89	54.00	-0.11	31.55	3	Vertical	264	1.00	22.34	27.71	3.84	-
PK	2.3742G	57.06	74.00	-16.94	31.09	3	Vertical	264	1.00	25.97	27.35	3.74	-
PK	2.4378G	109.60	Inf	-Inf	31.28	3	Vertical	264	1.00	78.32	27.48	3.80	-
PK	2.4838G	60.46	74.00	-13.54	31.54	3	Vertical	264	1.00	28.92	27.70	3.84	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

2437MHz\_TX

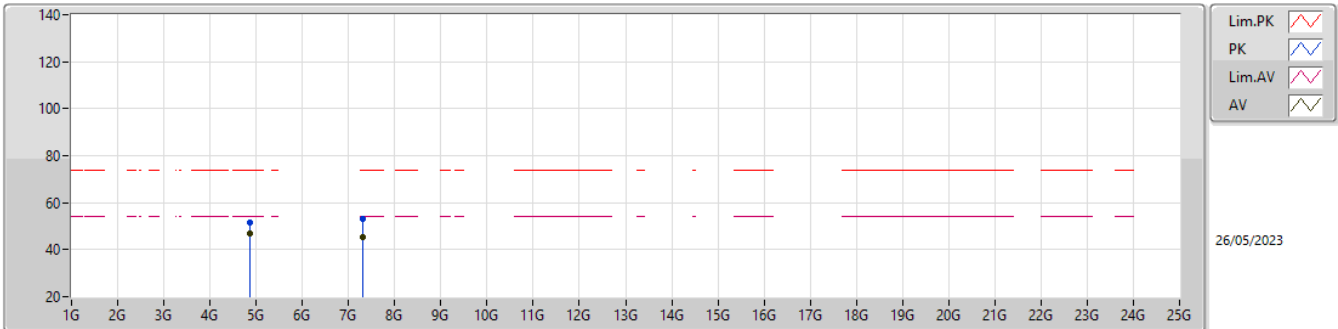


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3862G	44.86	54.00	-9.14	31.13	3	Horizontal	205	2.08	13.73	27.37	3.76	-
AV	2.4378G	103.51	Inf	-Inf	31.28	3	Horizontal	205	2.08	72.23	27.48	3.80	-
AV	2.4846G	49.38	54.00	-4.62	31.55	3	Horizontal	205	2.08	17.83	27.71	3.84	-
PK	2.383G	56.02	74.00	-17.98	31.12	3	Horizontal	205	2.08	24.90	27.37	3.75	-
PK	2.4378G	105.63	Inf	-Inf	31.28	3	Horizontal	205	2.08	74.35	27.48	3.80	-
PK	2.4962G	57.97	74.00	-16.03	31.63	3	Horizontal	205	2.08	26.34	27.78	3.85	-



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

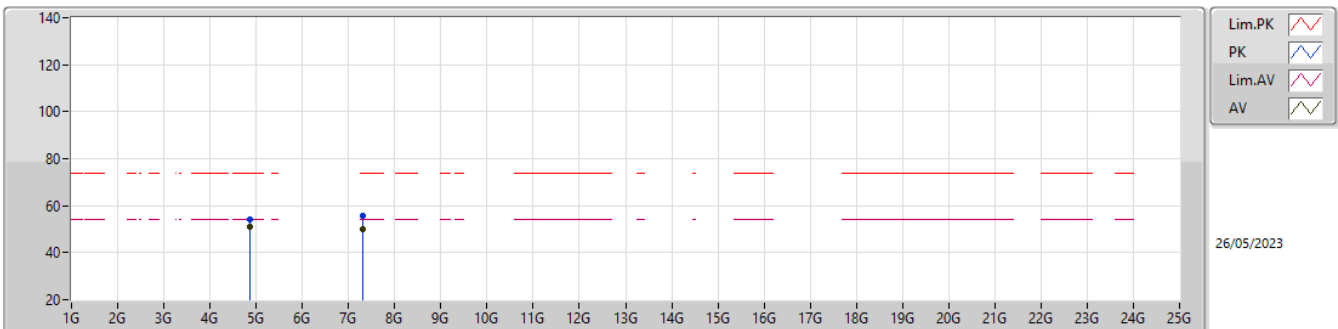
2437MHz\_TX



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	4.87402G	46.82	54.00	-7.18	3.33	3	Vertical	236	1.14	43.49	32.60	5.38	34.65
AV	7.31182G	45.42	54.00	-8.58	8.54	3	Vertical	80	1.50	36.88	36.68	6.64	34.78
PK	4.87412G	51.39	74.00	-22.61	3.33	3	Vertical	236	1.14	48.06	32.60	5.38	34.65
PK	7.31198G	53.16	74.00	-20.84	8.54	3	Vertical	80	1.50	44.62	36.68	6.64	34.78

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

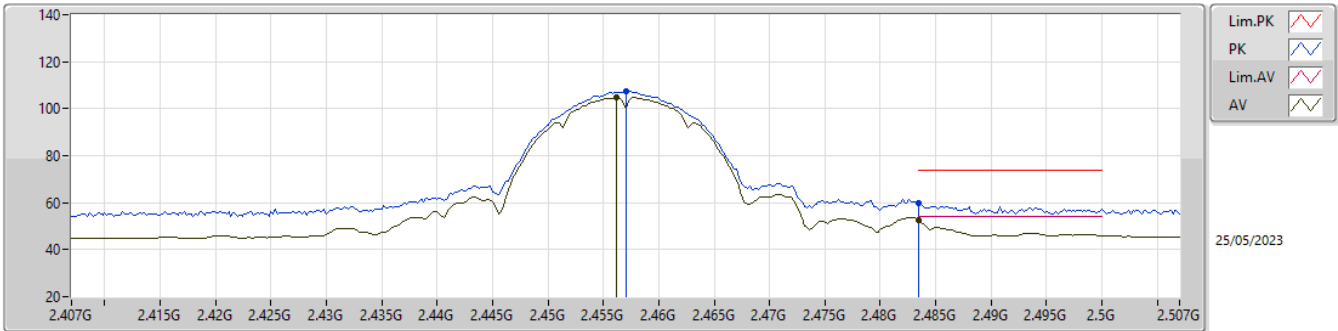
2437MHz\_TX



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	4.87403G	51.20	54.00	-2.80	3.33	3	Horizontal	179	2.74	47.87	32.60	5.38	34.65
AV	7.31184G	49.97	54.00	-4.03	8.54	3	Horizontal	183	2.11	41.43	36.68	6.64	34.78
PK	4.87405G	54.20	74.00	-19.80	3.33	3	Horizontal	179	2.74	50.87	32.60	5.38	34.65
PK	7.31198G	55.81	74.00	-18.19	8.54	3	Horizontal	183	2.11	47.27	36.68	6.64	34.78

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

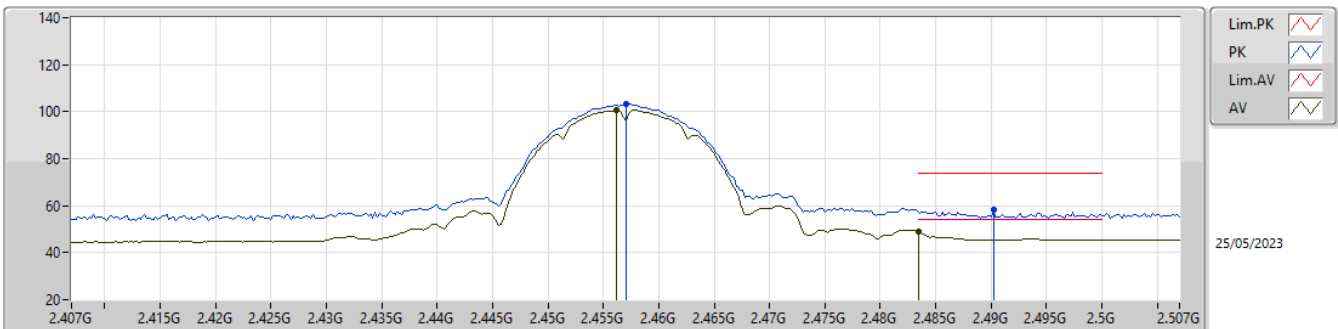
2457MHz\_TX



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	2.4562G	104.82	Inf	-Inf	31.36	3	Vertical	241	1.26	73.46	27.54	3.82	-
AV	2.4835G	52.57	54.00	-1.43	31.54	3	Vertical	241	1.26	21.03	27.70	3.84	-
PK	2.457G	107.31	Inf	-Inf	31.36	3	Vertical	241	1.26	75.95	27.54	3.82	-
PK	2.4835G	59.59	74.00	-14.41	31.54	3	Vertical	241	1.26	28.05	27.70	3.84	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

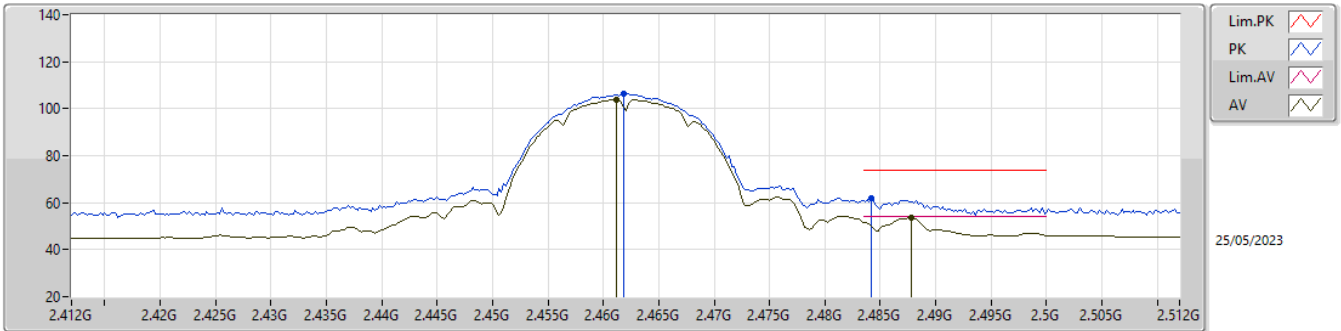
2457MHz\_TX



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	2.4562G	100.76	Inf	-Inf	31.36	3	Horizontal	197	1.82	69.40	27.54	3.82	-
AV	2.4835G	48.84	54.00	-5.16	31.54	3	Horizontal	197	1.82	17.30	27.70	3.84	-
PK	2.457G	103.42	Inf	-Inf	31.36	3	Horizontal	197	1.82	72.06	27.54	3.82	-
PK	2.4902G	58.02	74.00	-15.98	31.59	3	Horizontal	197	1.82	26.43	27.74	3.85	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

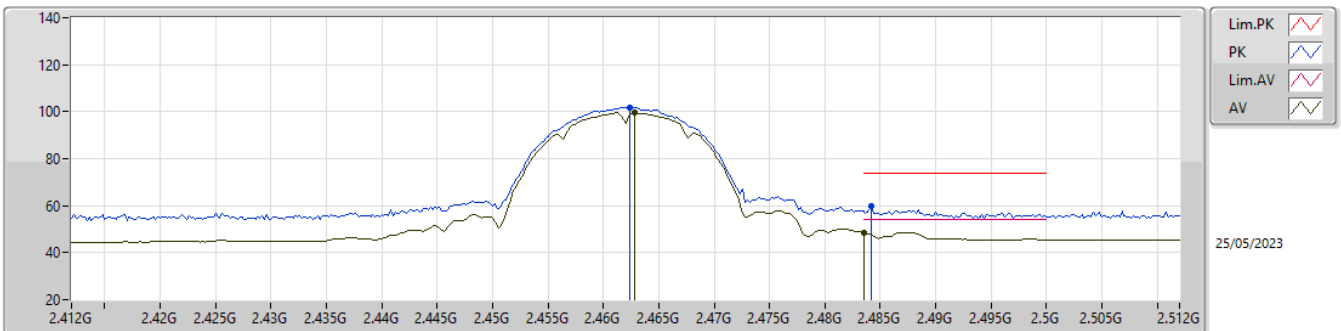
2462MHz\_TX



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	2.4612G	103.81	Inf	-Inf	31.39	3	Vertical	241	1.24	72.42	27.57	3.82	-
AV	2.4878G	53.52	54.00	-0.48	31.57	3	Vertical	241	1.24	21.95	27.73	3.84	-
PK	2.4618G	106.32	Inf	-Inf	31.39	3	Vertical	241	1.24	74.93	27.57	3.82	-
PK	2.4842G	61.89	74.00	-12.11	31.55	3	Vertical	241	1.24	30.34	27.71	3.84	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

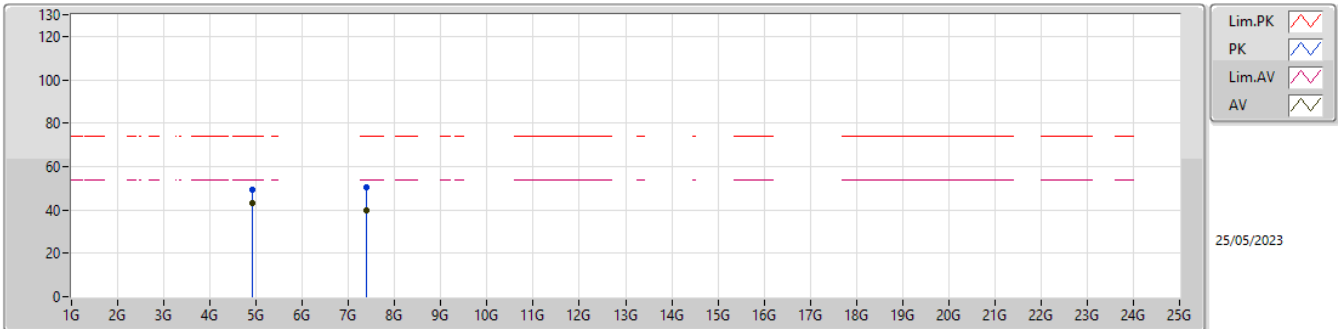
2462MHz\_TX



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	2.4628G	99.51	Inf	-Inf	31.40	3	Horizontal	337	1.84	68.11	27.58	3.82	-
AV	2.4835G	48.49	54.00	-5.51	31.54	3	Horizontal	337	1.84	16.95	27.70	3.84	-
PK	2.4624G	101.80	Inf	-Inf	31.39	3	Horizontal	337	1.84	70.41	27.57	3.82	-
PK	2.4842G	59.57	74.00	-14.43	31.55	3	Horizontal	337	1.84	28.02	27.71	3.84	-

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

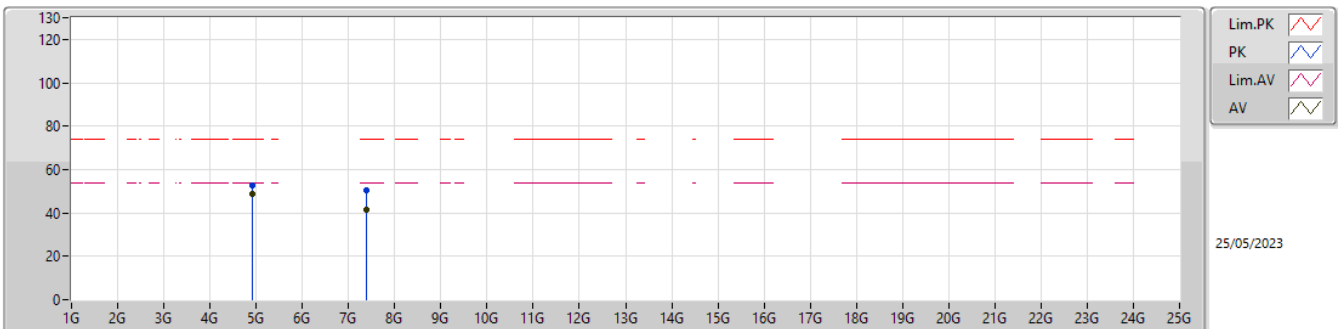
2462MHz\_TX



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	4.924G	43.33	54.00	-10.67	3.46	3	Vertical	232	1.37	39.87	32.70	5.41	34.65
AV	7.38678G	39.76	54.00	-14.24	8.33	3	Vertical	138	2.10	31.43	36.45	6.67	34.79
PK	4.92393G	49.24	74.00	-24.76	3.46	3	Vertical	232	1.37	45.78	32.70	5.41	34.65
PK	7.38652G	50.32	74.00	-23.68	8.33	3	Vertical	138	2.10	41.99	36.45	6.67	34.79

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_1TX

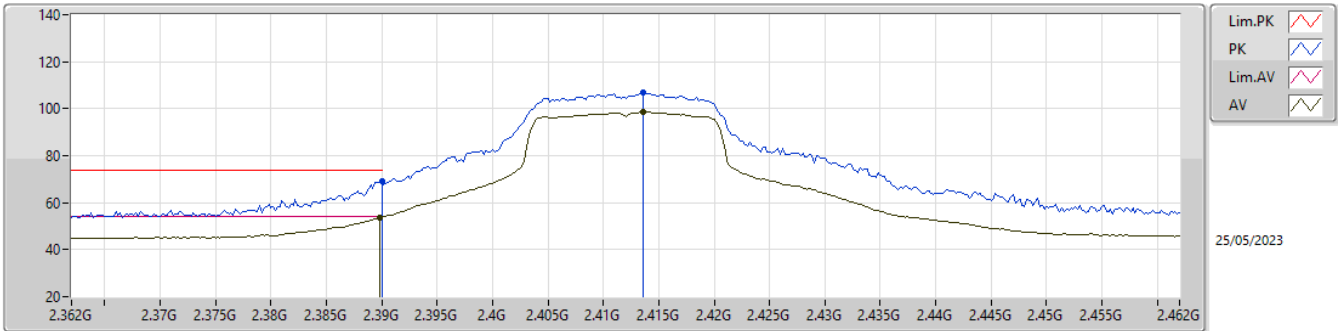
2462MHz\_TX



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	4.92399G	48.51	54.00	-5.49	3.46	3	Horizontal	175	2.52	45.05	32.70	5.41	34.65
AV	7.38678G	41.65	54.00	-12.35	8.33	3	Horizontal	180	2.19	33.32	36.45	6.67	34.79
PK	4.92401G	52.53	74.00	-21.47	3.46	3	Horizontal	175	2.52	49.07	32.70	5.41	34.65
PK	7.38682G	50.57	74.00	-23.43	8.33	3	Horizontal	180	2.19	42.24	36.45	6.67	34.79

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

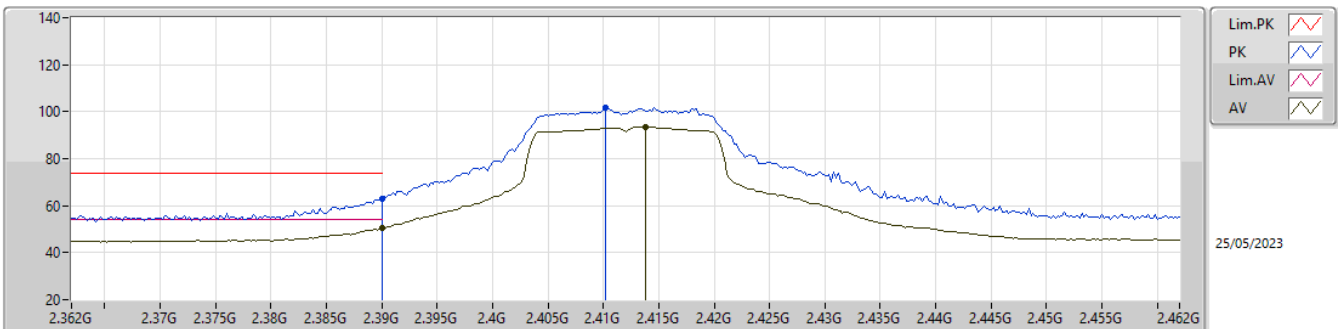
2412MHz\_TX



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	2.3898G	53.63	54.00	-0.37	31.14	3	Vertical	276	1.62	22.49	27.38	3.76	-
AV	2.4136G	98.55	Inf	-Inf	31.21	3	Vertical	276	1.62	67.34	27.43	3.78	-
PK	2.39G	69.17	74.00	-4.83	31.14	3	Vertical	276	1.62	38.03	27.38	3.76	-
PK	2.4136G	106.65	Inf	-Inf	31.21	3	Vertical	276	1.62	75.44	27.43	3.78	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

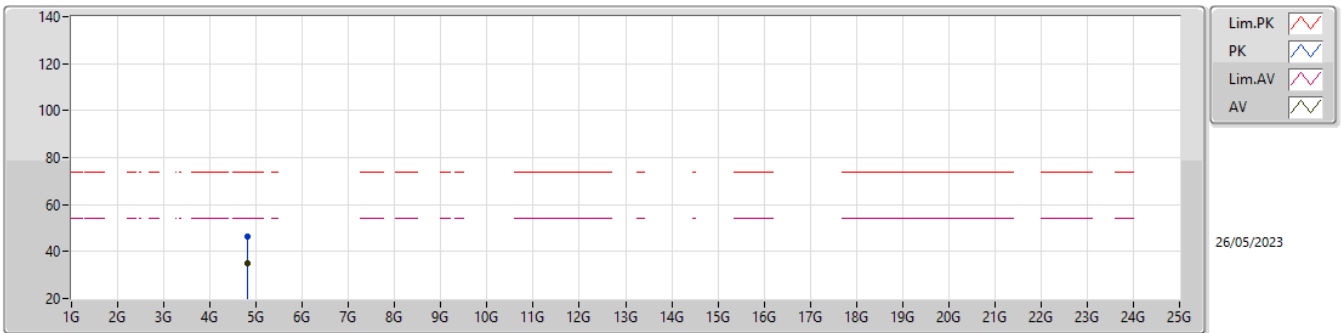
2412MHz\_TX



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	2.39G	50.54	54.00	-3.46	31.14	3	Horizontal	206	2.38	19.40	27.38	3.76	-
AV	2.4138G	93.38	Inf	-Inf	31.21	3	Horizontal	206	2.38	62.17	27.43	3.78	-
PK	2.39G	62.73	74.00	-11.27	31.14	3	Horizontal	206	2.38	31.59	27.38	3.76	-
PK	2.4102G	101.90	Inf	-Inf	31.20	3	Horizontal	206	2.38	70.70	27.42	3.78	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

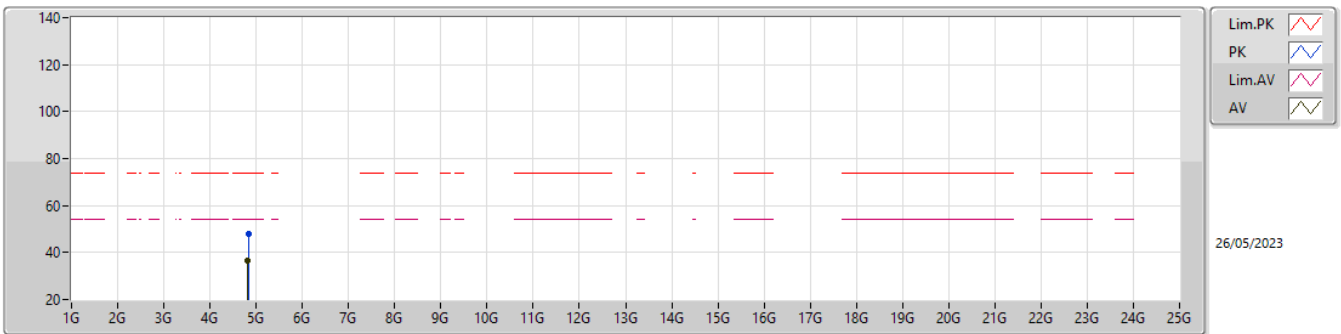
2412MHz\_TX



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	4.8245G	35.03	54.00	-18.97	3.14	3	Vertical	236	1.08	31.89	32.45	5.34	34.65
PK	4.82294G	46.46	74.00	-27.54	3.13	3	Vertical	236	1.08	43.33	32.44	5.34	34.65

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

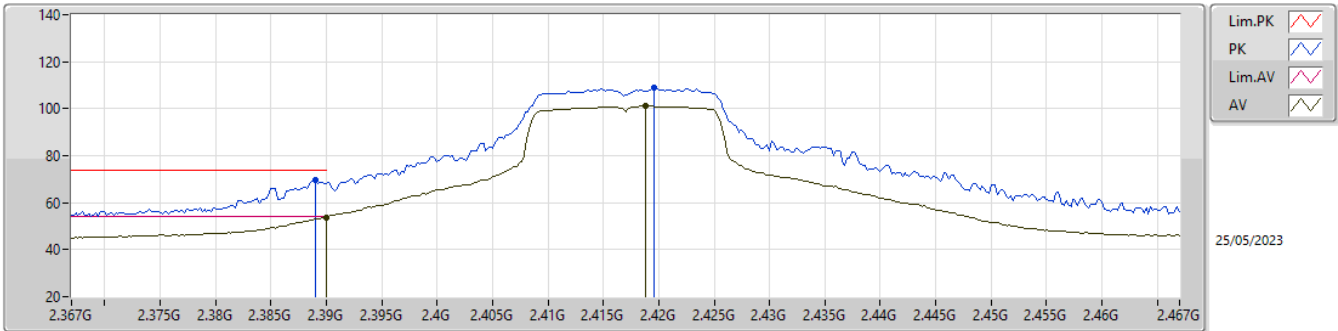
2412MHz\_TX



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	4.82416G	36.37	54.00	-17.63	3.13	3	Horizontal	178	2.92	33.24	32.44	5.34	34.65
PK	4.82516G	47.92	74.00	-26.08	3.14	3	Horizontal	178	2.92	44.78	32.45	5.34	34.65

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

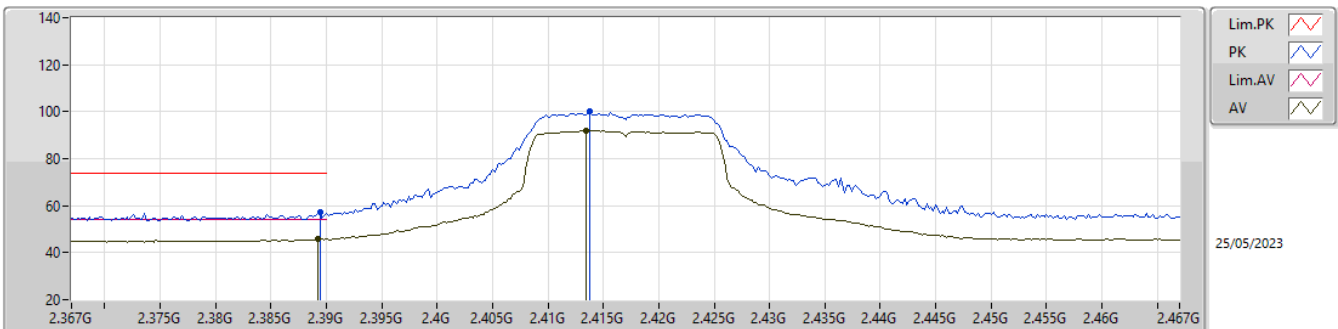
2417MHz\_TX



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	2.39G	53.75	54.00	-0.25	31.14	3	Vertical	253	2.30	22.61	27.38	3.76	-
AV	2.4188G	101.12	Inf	-Inf	31.23	3	Vertical	253	2.30	69.89	27.44	3.79	-
PK	2.389G	69.49	74.00	-4.51	31.14	3	Vertical	253	2.30	38.35	27.38	3.76	-
PK	2.4196G	108.91	Inf	-Inf	31.23	3	Vertical	253	2.30	77.68	27.44	3.79	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

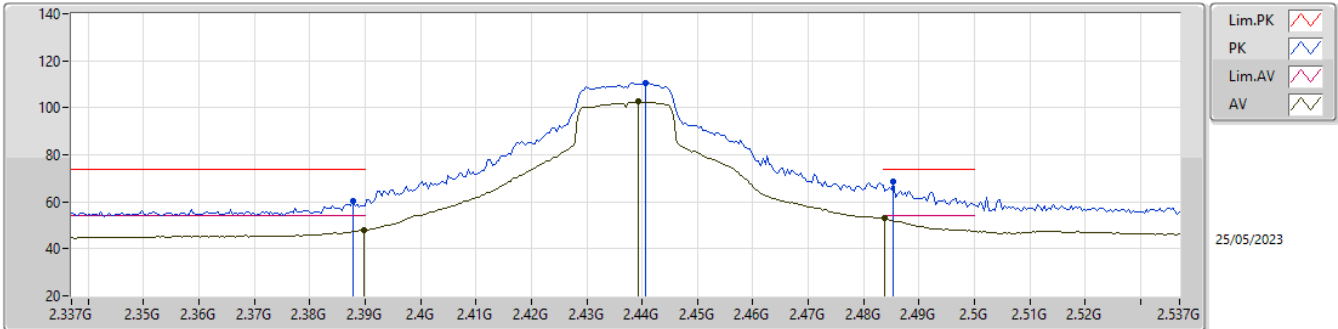
2417MHz\_TX



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	45.65	54.00	-8.35	31.14	3	Horizontal	206	2.38	14.51	27.38	3.76	-
AV	2.4134G	91.80	Inf	-Inf	31.21	3	Horizontal	206	2.38	60.59	27.43	3.78	-
PK	2.3894G	57.13	74.00	-16.87	31.14	3	Horizontal	206	2.38	25.99	27.38	3.76	-
PK	2.4138G	99.93	Inf	-Inf	31.21	3	Horizontal	206	2.38	68.72	27.43	3.78	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

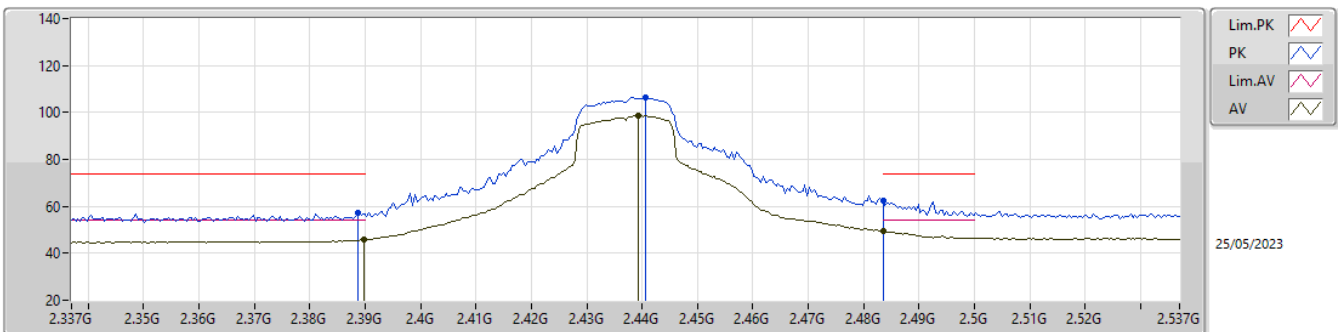
2437MHz\_TX



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	2.3898G	47.78	54.00	-6.22	31.14	3	Vertical	286	1.00	16.64	27.38	3.76	-
AV	2.4394G	102.65	Inf	-Inf	31.28	3	Vertical	286	1.00	71.37	27.48	3.80	-
AV	2.4838G	53.04	54.00	-0.96	31.54	3	Vertical	286	1.00	21.50	27.70	3.84	-
PK	2.3878G	60.25	74.00	-13.75	31.14	3	Vertical	286	1.00	29.11	27.38	3.76	-
PK	2.4406G	110.63	Inf	-Inf	31.28	3	Vertical	286	1.00	79.35	27.48	3.80	-
PK	2.4854G	68.60	74.00	-5.40	31.55	3	Vertical	286	1.00	37.05	27.71	3.84	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

2437MHz\_TX

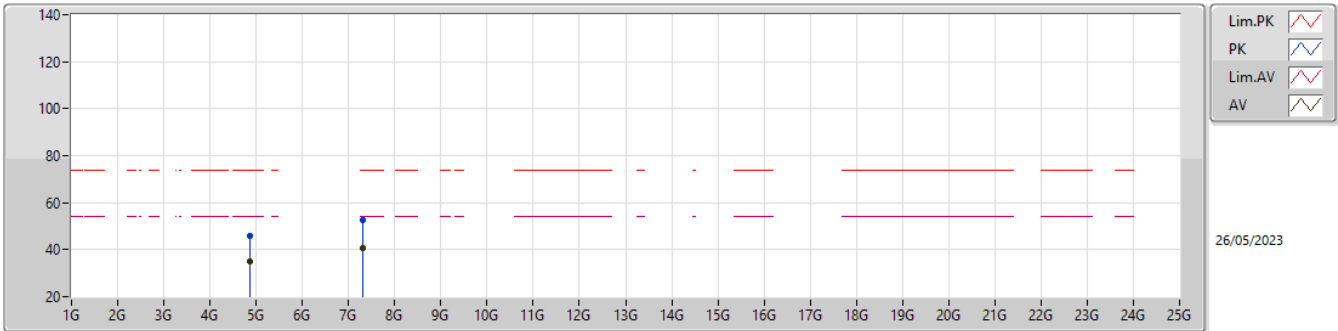


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	45.77	54.00	-8.23	31.14	3	Horizontal	204	2.08	14.63	27.38	3.76	-
AV	2.4394G	98.63	Inf	-Inf	31.28	3	Horizontal	204	2.08	67.35	27.48	3.80	-
AV	2.4835G	49.43	54.00	-4.57	31.54	3	Horizontal	204	2.08	17.89	27.70	3.84	-
PK	2.3886G	57.24	74.00	-16.76	31.14	3	Horizontal	204	2.08	26.10	27.38	3.76	-
PK	2.4406G	106.60	Inf	-Inf	31.28	3	Horizontal	204	2.08	75.32	27.48	3.80	-
PK	2.4835G	62.57	74.00	-11.43	31.54	3	Horizontal	204	2.08	31.03	27.70	3.84	-



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

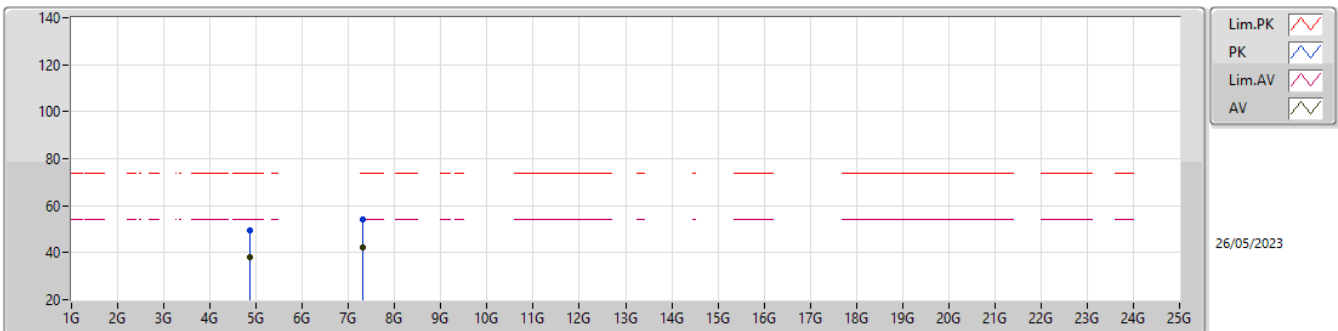
2437MHz\_TX



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	4.87412G	34.97	54.00	-19.03	3.33	3	Vertical	232	1.37	31.64	32.60	5.38	34.65
AV	7.30698G	40.50	54.00	-13.50	8.55	3	Vertical	76	1.50	31.95	36.69	6.64	34.78
PK	4.87196G	45.98	74.00	-28.02	3.32	3	Vertical	232	1.37	42.66	32.60	5.37	34.65
PK	7.31496G	52.53	74.00	-21.47	8.53	3	Vertical	76	1.50	44.00	36.67	6.64	34.78

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

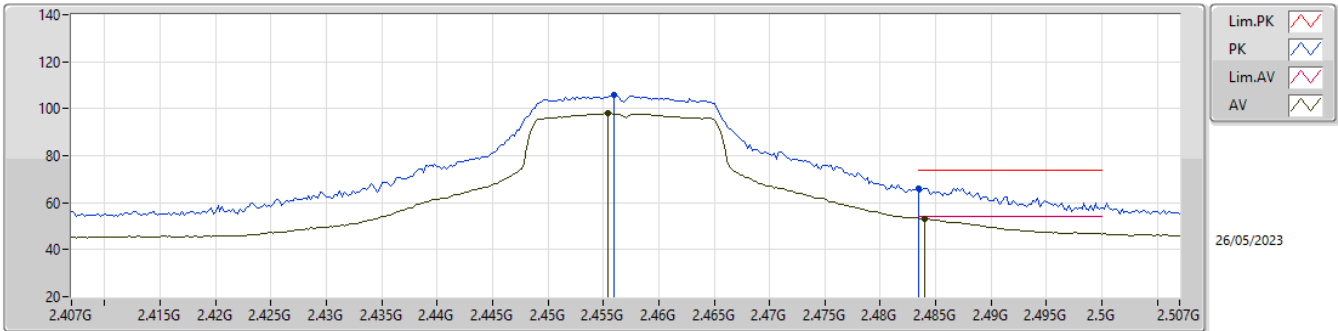
2437MHz\_TX



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	4.8716G	38.11	54.00	-15.89	3.32	3	Horizontal	173	2.74	34.79	32.60	5.37	34.65
AV	7.31034G	42.40	54.00	-11.60	8.54	3	Horizontal	180	2.12	33.86	36.68	6.64	34.78
PK	4.87346G	49.31	74.00	-24.69	3.33	3	Horizontal	173	2.74	45.98	32.60	5.38	34.65
PK	7.30518G	54.09	74.00	-19.91	8.55	3	Horizontal	180	2.12	45.54	36.69	6.64	34.78

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

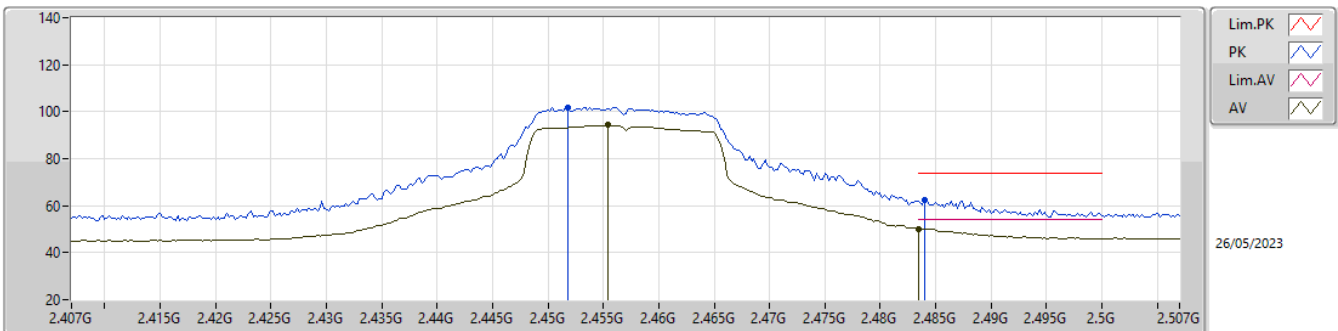
2457MHz\_TX



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	2.4554G	98.07	Inf	-Inf	31.35	3	Vertical	241	1.27	66.72	27.53	3.82	-
AV	2.484G	53.24	54.00	-0.76	31.54	3	Vertical	241	1.27	21.70	27.70	3.84	-
PK	2.456G	105.75	Inf	-Inf	31.36	3	Vertical	241	1.27	74.39	27.54	3.82	-
PK	2.4835G	66.22	74.00	-7.78	31.54	3	Vertical	241	1.27	34.68	27.70	3.84	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

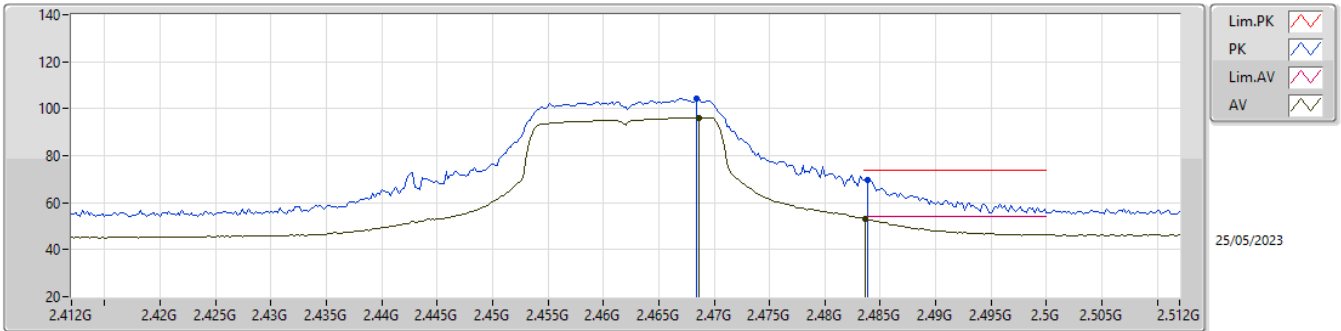
2457MHz\_TX



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	2.4554G	94.30	Inf	-Inf	31.35	3	Horizontal	194	2.66	62.95	27.53	3.82	-
AV	2.4835G	50.07	54.00	-3.93	31.54	3	Horizontal	194	2.66	18.53	27.70	3.84	-
PK	2.4518G	101.98	Inf	-Inf	31.32	3	Horizontal	194	2.66	70.66	27.51	3.81	-
PK	2.484G	62.32	74.00	-11.68	31.54	3	Horizontal	194	2.66	30.78	27.70	3.84	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

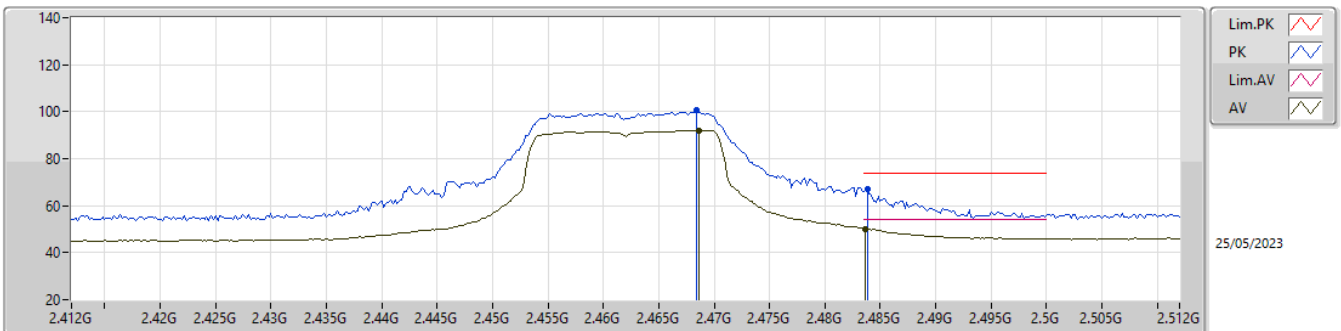
2462MHz\_TX



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	2.4686G	96.17	Inf	-Inf	31.44	3	Vertical	241	1.12	64.73	27.61	3.83	-
AV	2.4836G	53.15	54.00	-0.85	31.54	3	Vertical	241	1.12	21.61	27.70	3.84	-
PK	2.4684G	104.18	Inf	-Inf	31.44	3	Vertical	241	1.12	72.74	27.61	3.83	-
PK	2.4838G	69.62	74.00	-4.38	31.54	3	Vertical	241	1.12	38.08	27.70	3.84	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

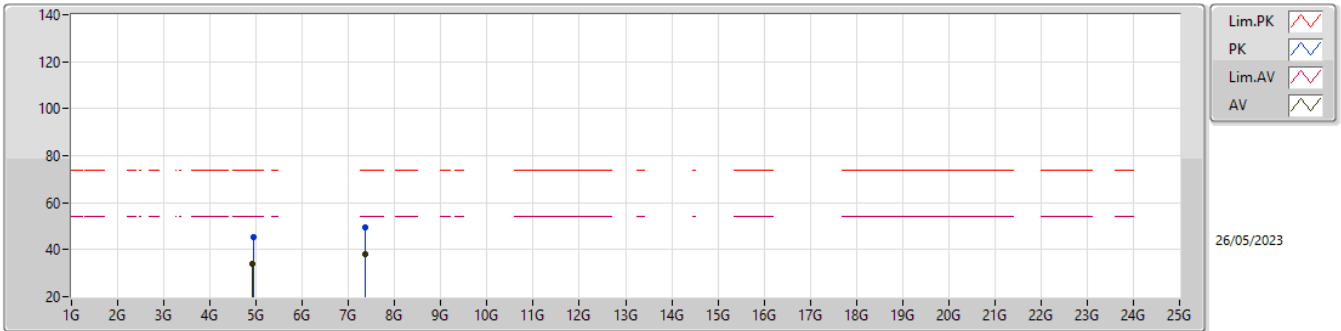
2462MHz\_TX



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	2.4686G	92.09	Inf	-Inf	31.44	3	Horizontal	194	2.34	60.65	27.61	3.83	-
AV	2.4836G	50.20	54.00	-3.80	31.54	3	Horizontal	194	2.34	18.66	27.70	3.84	-
PK	2.4684G	100.91	Inf	-Inf	31.44	3	Horizontal	194	2.34	69.47	27.61	3.83	-
PK	2.4838G	67.05	74.00	-6.95	31.54	3	Horizontal	194	2.34	35.51	27.70	3.84	-

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

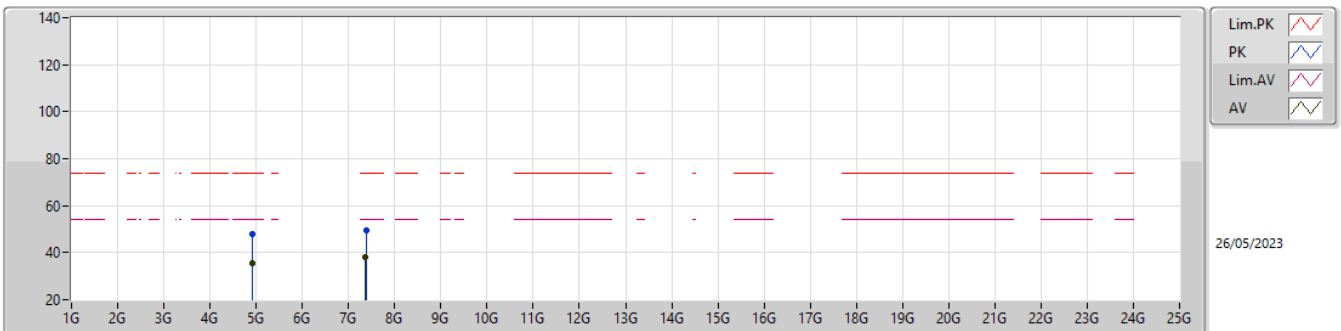
2462MHz\_TX



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	4.92244G	33.90	54.00	-20.10	3.45	3	Vertical	283	1.91	30.45	32.69	5.41	34.65
AV	7.37394G	37.99	54.00	-16.01	8.39	3	Vertical	359	1.50	29.60	36.50	6.67	34.78
PK	4.93798G	45.25	74.00	-28.75	3.53	3	Vertical	283	1.91	41.72	32.75	5.42	34.64
PK	7.37424G	49.56	74.00	-24.44	8.39	3	Vertical	359	1.50	41.17	36.50	6.67	34.78

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_1TX

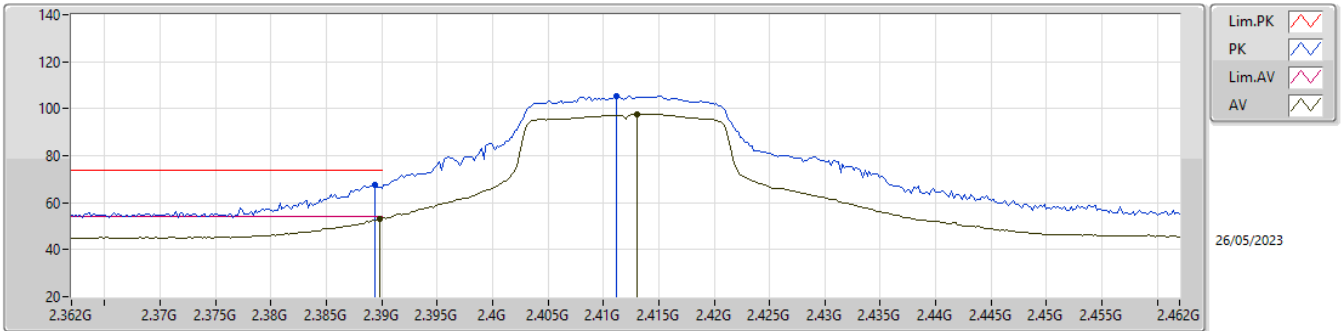
2462MHz\_TX



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	4.92228G	35.67	54.00	-18.33	3.45	3	Horizontal	177	3.00	32.22	32.69	5.41	34.65
AV	7.37442G	38.09	54.00	-15.91	8.39	3	Horizontal	172	2.39	29.70	36.50	6.67	34.78
PK	4.92256G	47.89	74.00	-26.11	3.45	3	Horizontal	177	3.00	44.44	32.69	5.41	34.65
PK	7.37706G	49.45	74.00	-24.55	8.37	3	Horizontal	172	2.39	41.08	36.49	6.67	34.79

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

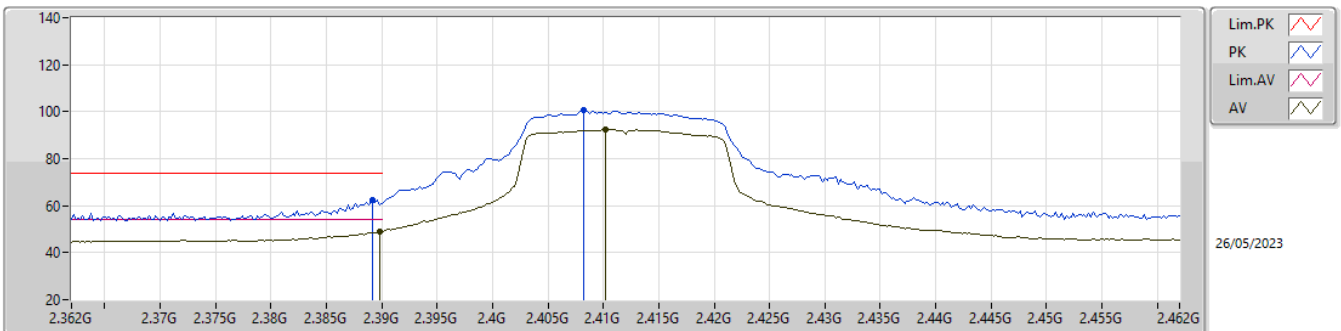
2412MHz\_TX



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	2.3898G	53.02	54.00	-0.98	31.14	3	Vertical	276	1.63	21.88	27.38	3.76	-
AV	2.413G	97.58	Inf	-Inf	31.21	3	Vertical	276	1.63	66.37	27.43	3.78	-
PK	2.3894G	67.40	74.00	-6.60	31.14	3	Vertical	276	1.63	36.26	27.38	3.76	-
PK	2.4112G	105.38	Inf	-Inf	31.20	3	Vertical	276	1.63	74.18	27.42	3.78	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

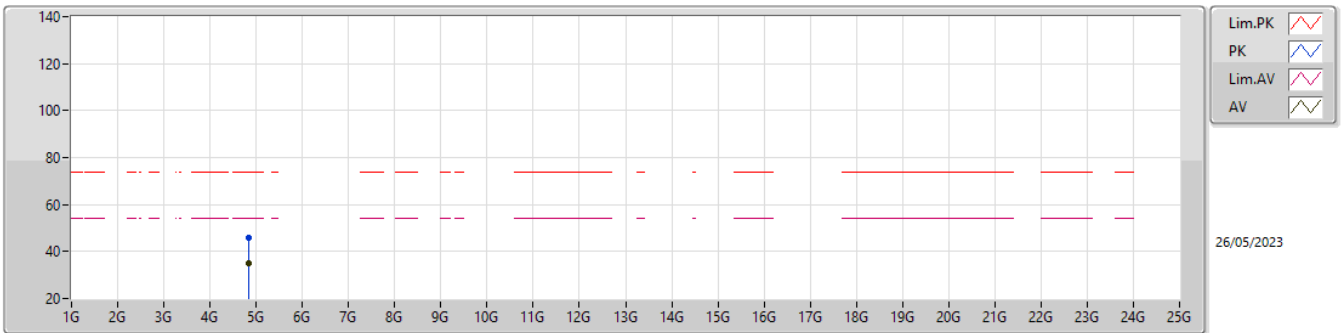
2412MHz\_TX



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	2.3898G	48.92	54.00	-5.08	31.14	3	Horizontal	205	1.48	17.78	27.38	3.76	-
AV	2.4102G	92.33	Inf	-Inf	31.20	3	Horizontal	205	1.48	61.13	27.42	3.78	-
PK	2.3892G	62.41	74.00	-11.59	31.14	3	Horizontal	205	1.48	31.27	27.38	3.76	-
PK	2.4082G	100.44	Inf	-Inf	31.20	3	Horizontal	205	1.48	69.24	27.42	3.78	-

2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_1TX

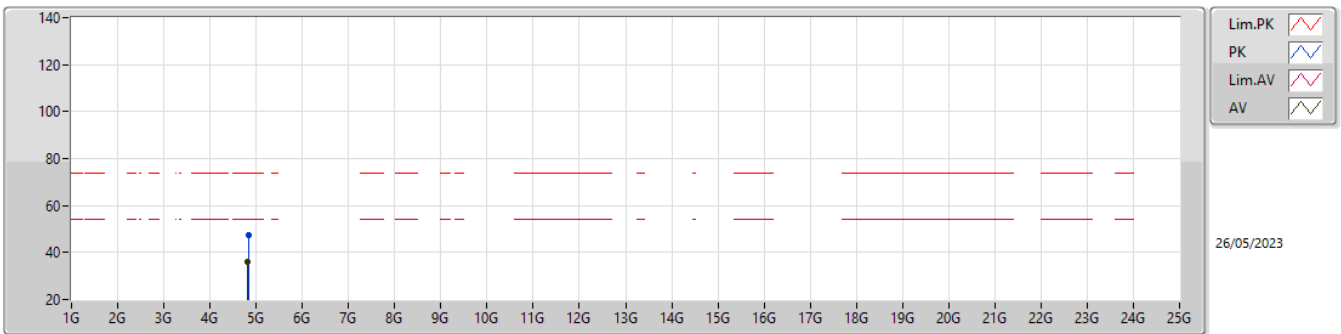
2412MHz\_TX



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	4.82588G	35.14	54.00	-18.86	3.15	3	Vertical	235	1.12	31.99	32.46	5.34	34.65
PK	4.82716G	45.72	74.00	-28.28	3.15	3	Vertical	235	1.12	42.57	32.46	5.34	34.65

2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_1TX

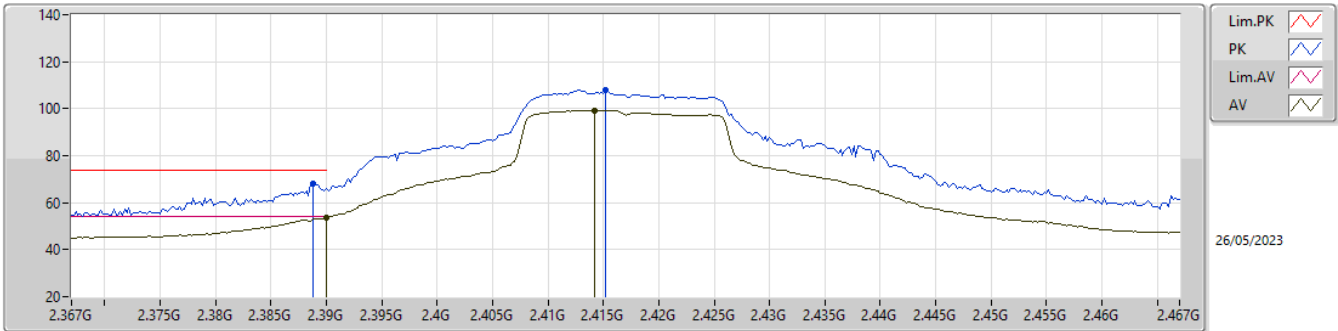
2412MHz\_TX



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	4.8242G	36.12	54.00	-17.88	3.14	3	Horizontal	178	2.91	32.98	32.45	5.34	34.65
PK	4.82616G	47.63	74.00	-26.37	3.15	3	Horizontal	178	2.91	44.48	32.46	5.34	34.65

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

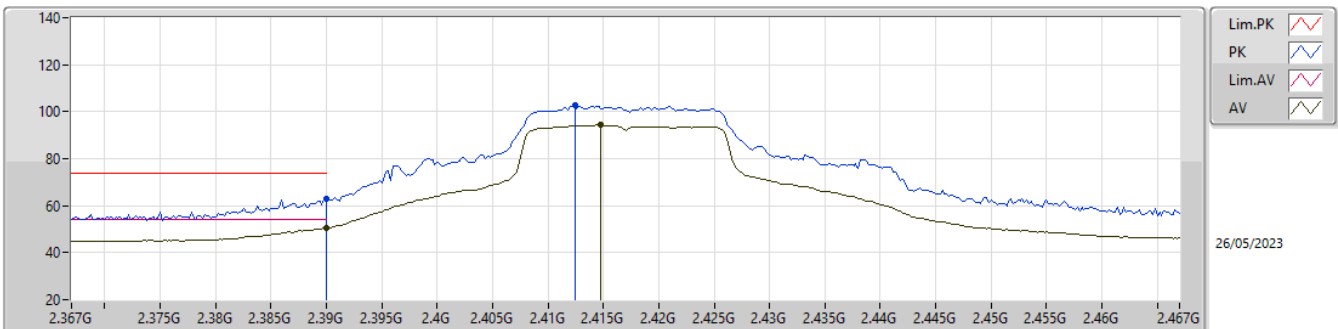
2417MHz\_TX



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	2.39G	53.51	54.00	-0.49	31.14	3	Vertical	275	1.62	22.37	27.38	3.76	-
AV	2.4142G	99.34	Inf	-Inf	31.21	3	Vertical	275	1.62	68.13	27.43	3.78	-
PK	2.3888G	68.25	74.00	-5.75	31.14	3	Vertical	275	1.62	37.11	27.38	3.76	-
PK	2.4152G	107.77	Inf	-Inf	31.21	3	Vertical	275	1.62	76.56	27.43	3.78	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

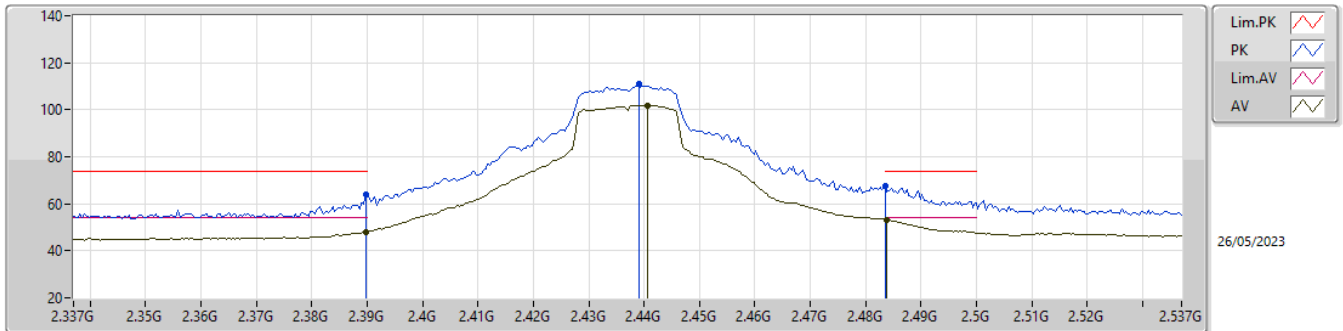
2417MHz\_TX



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	2.39G	50.54	54.00	-3.46	31.14	3	Horizontal	205	2.38	19.40	27.38	3.76	-
AV	2.4148G	94.30	Inf	-Inf	31.21	3	Horizontal	205	2.38	63.09	27.43	3.78	-
PK	2.39G	62.79	74.00	-11.21	31.14	3	Horizontal	205	2.38	31.65	27.38	3.76	-
PK	2.4124G	102.99	Inf	-Inf	31.20	3	Horizontal	205	2.38	71.79	27.42	3.78	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

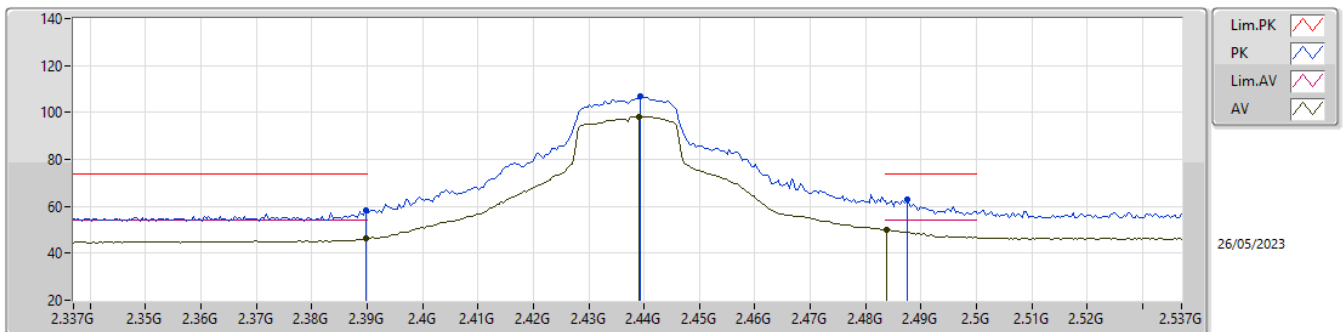
2437MHz\_TX



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	2.3898G	47.98	54.00	-6.02	31.14	3	Vertical	285	1.00	16.84	27.38	3.76	-
AV	2.4406G	101.95	Inf	-Inf	31.28	3	Vertical	285	1.00	70.67	27.48	3.80	-
AV	2.4838G	53.21	54.00	-0.79	31.54	3	Vertical	285	1.00	21.67	27.70	3.84	-
PK	2.3898G	63.72	74.00	-10.28	31.14	3	Vertical	285	1.00	32.58	27.38	3.76	-
PK	2.439G	110.88	Inf	-Inf	31.28	3	Vertical	285	1.00	79.60	27.48	3.80	-
PK	2.4835G	67.54	74.00	-6.46	31.54	3	Vertical	285	1.00	36.00	27.70	3.84	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

2437MHz\_TX

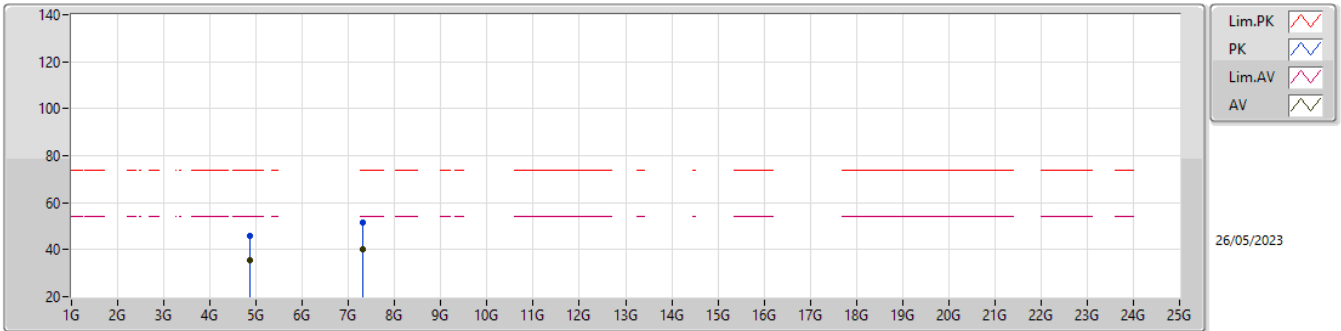


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3898G	46.15	54.00	-7.85	31.14	3	Horizontal	203	2.07	15.01	27.38	3.76	-
AV	2.439G	98.15	Inf	-Inf	31.28	3	Horizontal	203	2.07	66.87	27.48	3.80	-
AV	2.4838G	50.03	54.00	-3.97	31.54	3	Horizontal	203	2.07	18.49	27.70	3.84	-
PK	2.3898G	58.27	74.00	-15.73	31.14	3	Horizontal	203	2.07	27.13	27.38	3.76	-
PK	2.4394G	106.82	Inf	-Inf	31.28	3	Horizontal	203	2.07	75.54	27.48	3.80	-
PK	2.4874G	63.02	74.00	-10.98	31.56	3	Horizontal	203	2.07	31.46	27.72	3.84	-



2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

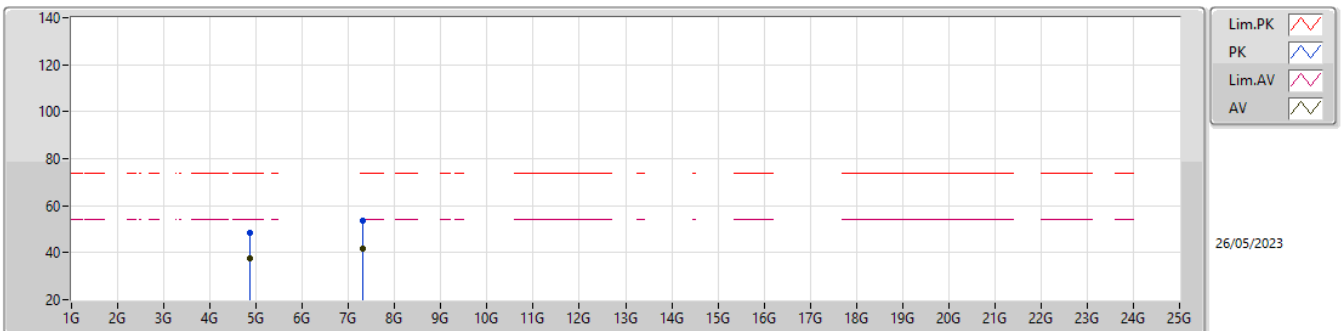
2437MHz\_TX



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	4.87408G	35.37	54.00	-18.63	3.33	3	Vertical	234	1.00	32.04	32.60	5.38	34.65
AV	7.30812G	40.00	54.00	-14.00	8.54	3	Vertical	78	1.50	31.46	36.68	6.64	34.78
PK	4.8688G	46.01	74.00	-27.99	3.32	3	Vertical	234	1.00	42.69	32.60	5.37	34.65
PK	7.31064G	51.36	74.00	-22.64	8.54	3	Vertical	78	1.50	42.82	36.68	6.64	34.78

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

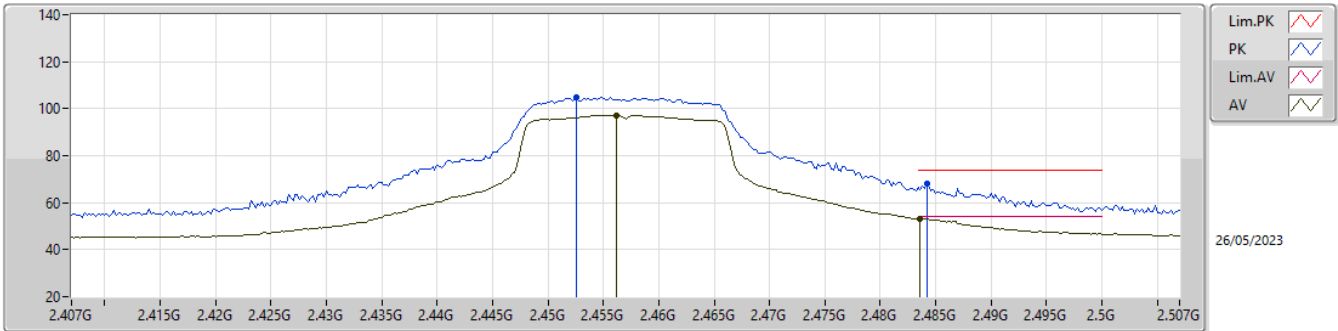
2437MHz\_TX



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	4.872G	37.77	54.00	-16.23	3.32	3	Horizontal	177	2.74	34.45	32.60	5.37	34.65
AV	7.31168G	41.80	54.00	-12.20	8.54	3	Horizontal	187	2.14	33.26	36.68	6.64	34.78
PK	4.8746G	48.55	74.00	-25.45	3.33	3	Horizontal	177	2.74	45.22	32.60	5.38	34.65
PK	7.31172G	53.46	74.00	-20.54	8.54	3	Horizontal	187	2.14	44.92	36.68	6.64	34.78

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

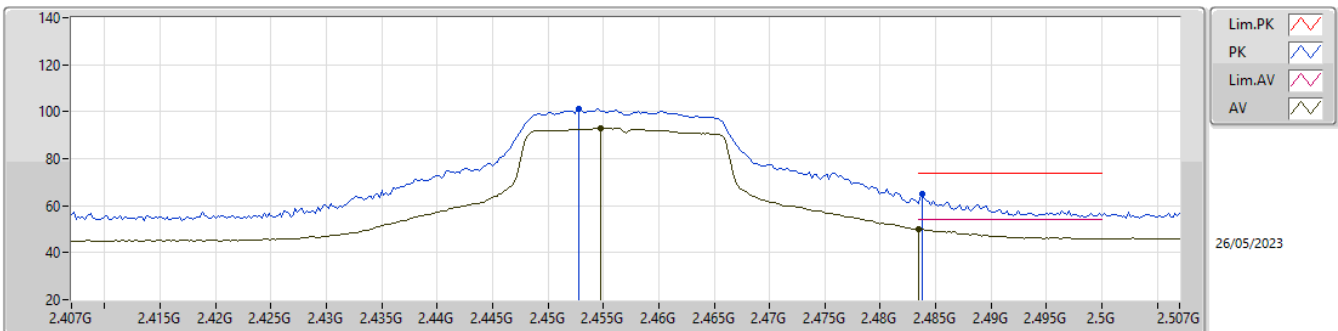
2457MHz\_TX



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	2.4562G	97.29	Inf	-Inf	31.36	3	Vertical	240	1.26	65.93	27.54	3.82	-
AV	2.4836G	53.18	54.00	-0.82	31.54	3	Vertical	240	1.26	21.64	27.70	3.84	-
PK	2.4526G	104.71	Inf	-Inf	31.33	3	Vertical	240	1.26	73.38	27.52	3.81	-
PK	2.4842G	68.10	74.00	-5.90	31.55	3	Vertical	240	1.26	36.55	27.71	3.84	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

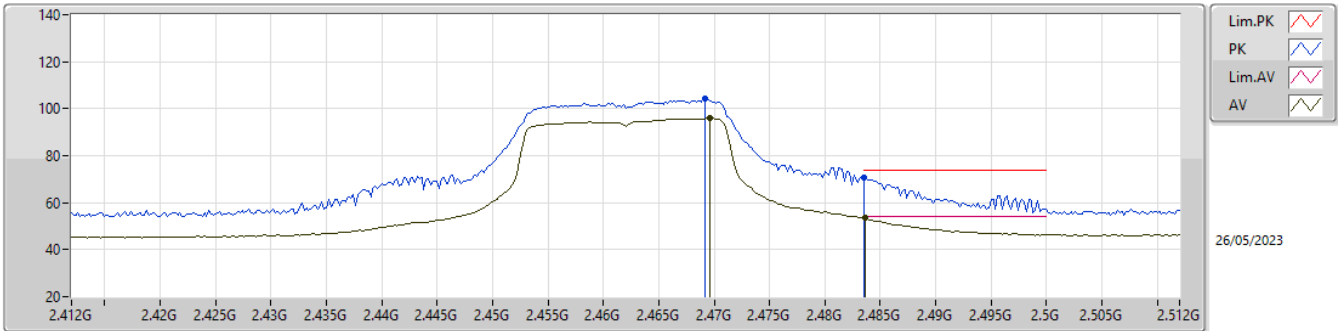
2457MHz\_TX



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	2.4548G	92.91	Inf	-Inf	31.35	3	Horizontal	197	2.64	61.56	27.53	3.82	-
AV	2.4835G	49.95	54.00	-4.05	31.54	3	Horizontal	197	2.64	18.41	27.70	3.84	-
PK	2.4528G	101.40	Inf	-Inf	31.33	3	Horizontal	197	2.64	70.07	27.52	3.81	-
PK	2.4838G	64.77	74.00	-9.23	31.54	3	Horizontal	197	2.64	33.23	27.70	3.84	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

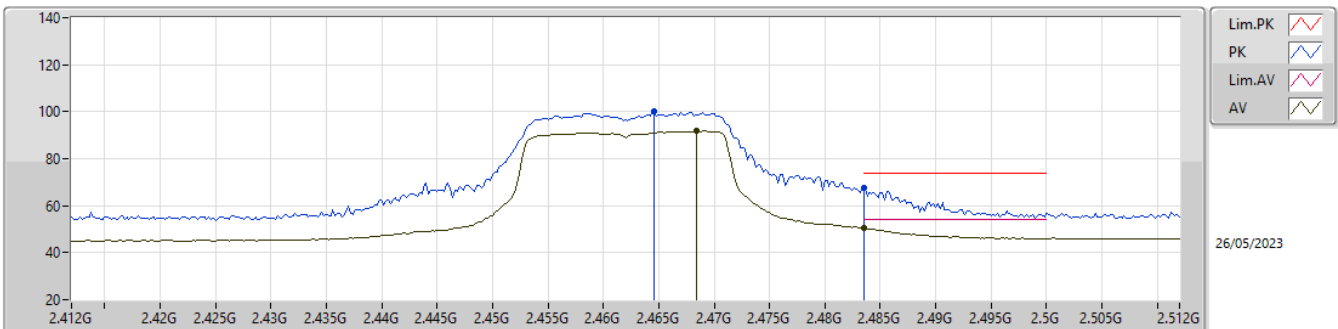
2462MHz\_TX



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	2.4696G	95.88	Inf	-Inf	31.45	3	Vertical	238	1.12	64.43	27.62	3.83	-
AV	2.4836G	53.66	54.00	-0.34	31.54	3	Vertical	238	1.12	22.12	27.70	3.84	-
PK	2.4692G	104.17	Inf	-Inf	31.45	3	Vertical	238	1.12	72.72	27.62	3.83	-
PK	2.4835G	70.57	74.00	-3.43	31.54	3	Vertical	238	1.12	39.03	27.70	3.84	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

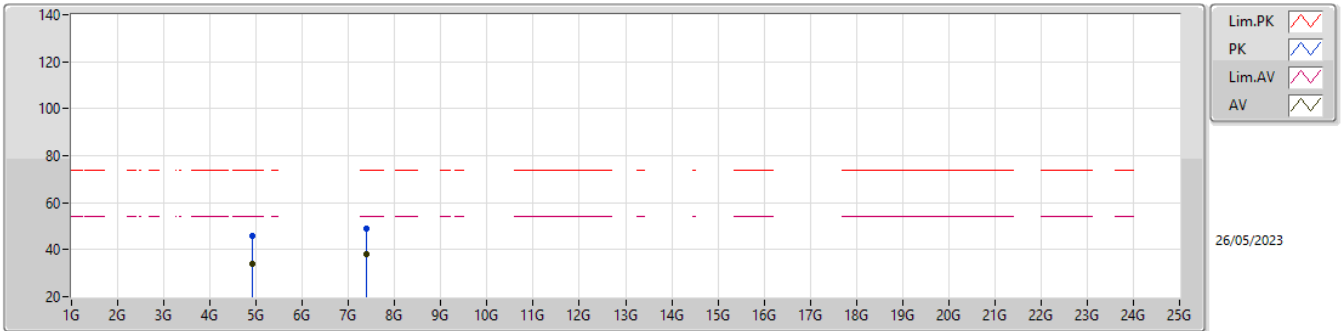
2462MHz\_TX



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	2.4684G	91.68	Inf	-Inf	31.44	3	Horizontal	193	2.33	60.24	27.61	3.83	-
AV	2.4835G	50.45	54.00	-3.55	31.54	3	Horizontal	193	2.33	18.91	27.70	3.84	-
PK	2.4646G	99.95	Inf	-Inf	31.41	3	Horizontal	193	2.33	68.54	27.59	3.82	-
PK	2.4835G	67.51	74.00	-6.49	31.54	3	Horizontal	193	2.33	35.97	27.70	3.84	-

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

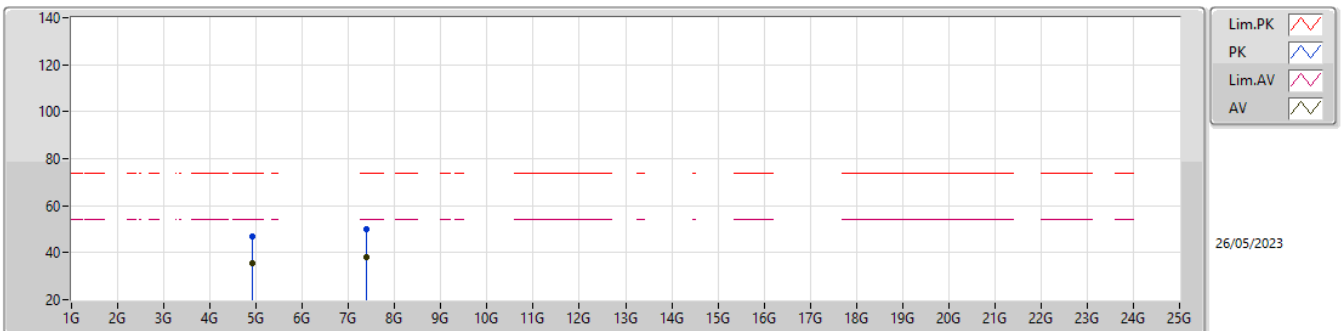
2462MHz\_TX



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	4.92384G	34.07	54.00	-19.93	3.46	3	Vertical	230	1.50	30.61	32.70	5.41	34.65
AV	7.3848G	37.86	54.00	-16.14	8.34	3	Vertical	4	1.50	29.52	36.46	6.67	34.79
PK	4.91836G	45.62	74.00	-28.38	3.43	3	Vertical	230	1.50	42.19	32.67	5.41	34.65
PK	7.39024G	49.11	74.00	-24.89	8.33	3	Vertical	4	1.50	40.78	36.44	6.68	34.79

2.4-2.4835GHz\_802.11n\_HT20\_Nss1,(MCS0)\_1TX

2462MHz\_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	4.92256G	35.29	54.00	-18.71	3.45	3	Horizontal	176	3.00	31.84	32.69	5.41	34.65
AV	7.38096G	38.16	54.00	-15.84	8.36	3	Horizontal	196	1.50	29.80	36.48	6.67	34.79
PK	4.92256G	46.67	74.00	-27.33	3.45	3	Horizontal	176	3.00	43.22	32.69	5.41	34.65
PK	7.3762G	50.08	74.00	-23.92	8.38	3	Horizontal	196	1.50	41.70	36.50	6.67	34.79