

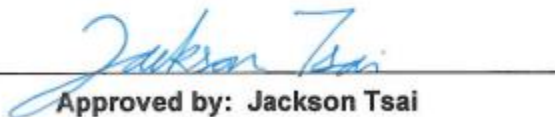


FCC Radio Test Report

FCC ID : 2AAAS-CM07
Equipment : Vivint Indoor Camera Pro
Brand Name : Vivint
Model Name : CM07
Applicant : Vivint, Inc.
4931 N. 300W., Provo, UT 84604 USA
Manufacturer : Chicony Electronics Co., Ltd
No.69, Sec. 2, Guangfu Rd., Sanchong Dist., New Taipei City
241, Taiwan (R.O.C.)
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 24, 2022, and testing was started from Dec. 11, 2022 and completed on Dec. 21, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR2N2223AC	01	Initial issue of report	Jan. 05, 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	-

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

Reviewed by: Ryan Hsiao

Report Producer: Amber Chiu

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), VHT20, ax(HEW20)	2412-2462	1-11 [11]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	2TX

Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Cable loss
1	Amphenol	CY5922-11-001-C	PIFA antenna	N/A	N/A
2	Amphenol	CY5922-11-002-C	PIFA antenna	I-PEX	2.4G: 0.1 dB 5G: 0.41 dB

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT LE
1	1	1.33	3.32	1.33
2	2	1.77	4.09	-

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

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

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



1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
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	
Resource Unit(802.11ax)	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU	
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)_2TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_2TX	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss1,(MCS0)_2TX	0.891	0.5	836.875u	3k

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 662911 D01 v02r01
- ♦ 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	Wayne Chiu	22.5~23.3°C / 52~57%	12/Dec/2022
RF Conducted	TH01-HY	Johnny Yu	19.8~20.6°C / 47~53%	12/Dec/2022~21/Dec/2022
Radiated (Above 1GHz)	03CH03-HY	Edward Wang	21.3~22.6°C / 63~68%	11/Dec/2022~12/Dec/2022
<input checked="" type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Below 1GHz)	03CH09-HY	Edward Wang	21.5~21.8°C / 62~66%	14/Dec/2022

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%
Receiver Radiated Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode




Test Software Version	Putty Release 0.62
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Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	46
2417MHz	48
2437MHz	54
2462MHz	54
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	62
2417MHz	70
2437MHz	74
2457MHz	66
2462MHz	57
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	56
2417MHz	67
2437MHz	72
2457MHz	59
2462MHz	52

2.2 The Worst Case Measurement Configuration

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

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

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



2.3 Accessories

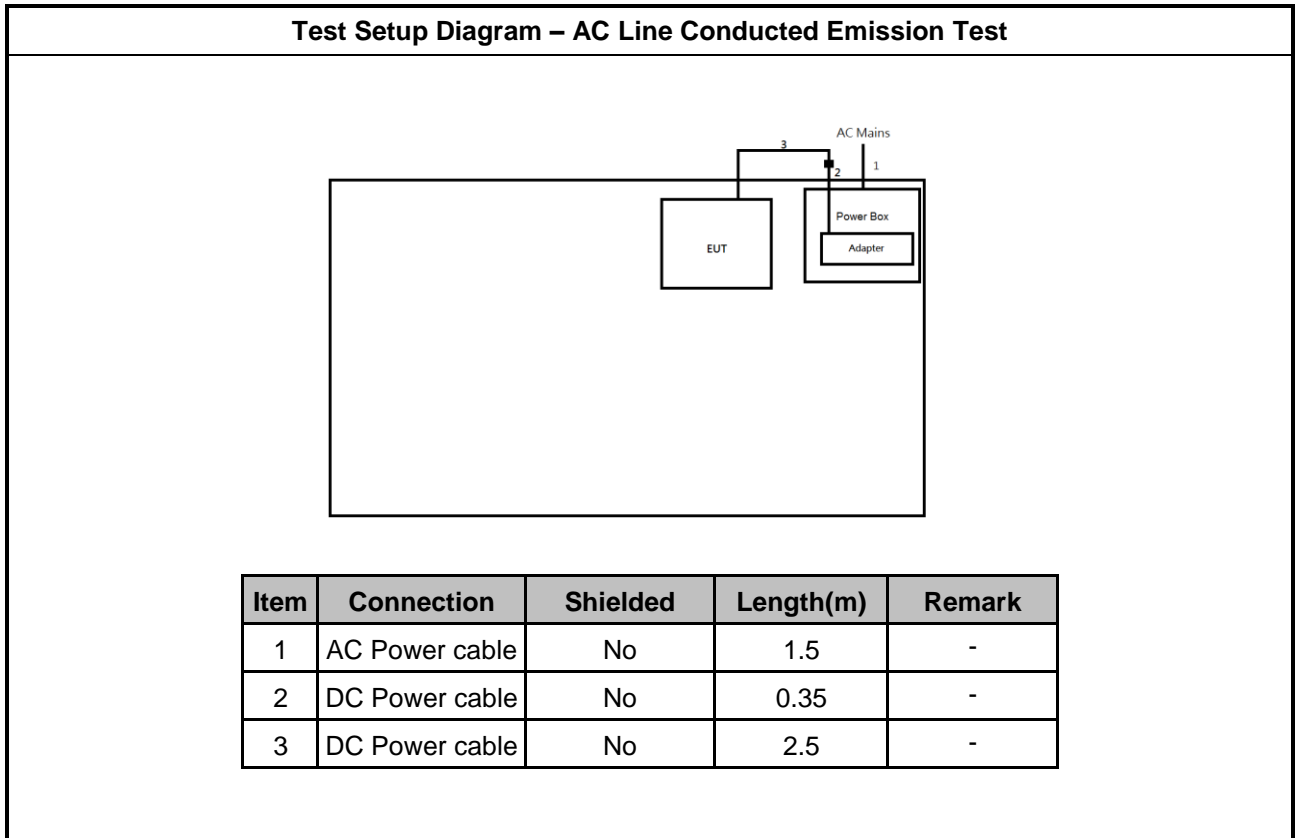
Accessories				
AC Adapter	Brand Name	HONOTO	Model Name	ADS-26DR-12 12018EPCU
	Power Rating	I/P: 100 - 240 Vac, 0.7A, O/P: 12 Vdc, 1.5 A		
	Power Cord	0.35 meter, non-shielded cable, w/o ferrite core		

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

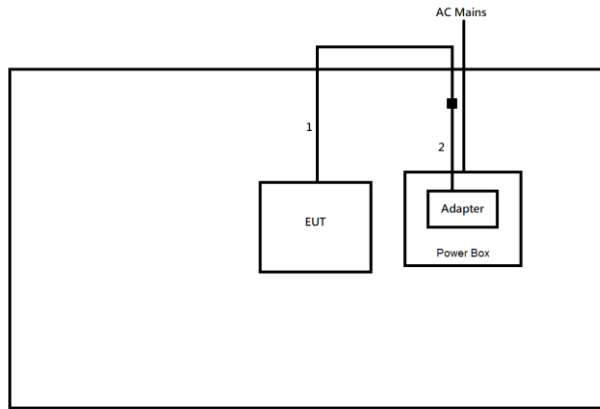
2.4 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture Board	-	B444022-1D0	-	Provided by Customer

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power cable	No	2.50	-
2	DC Power cable	No	0.35	-

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

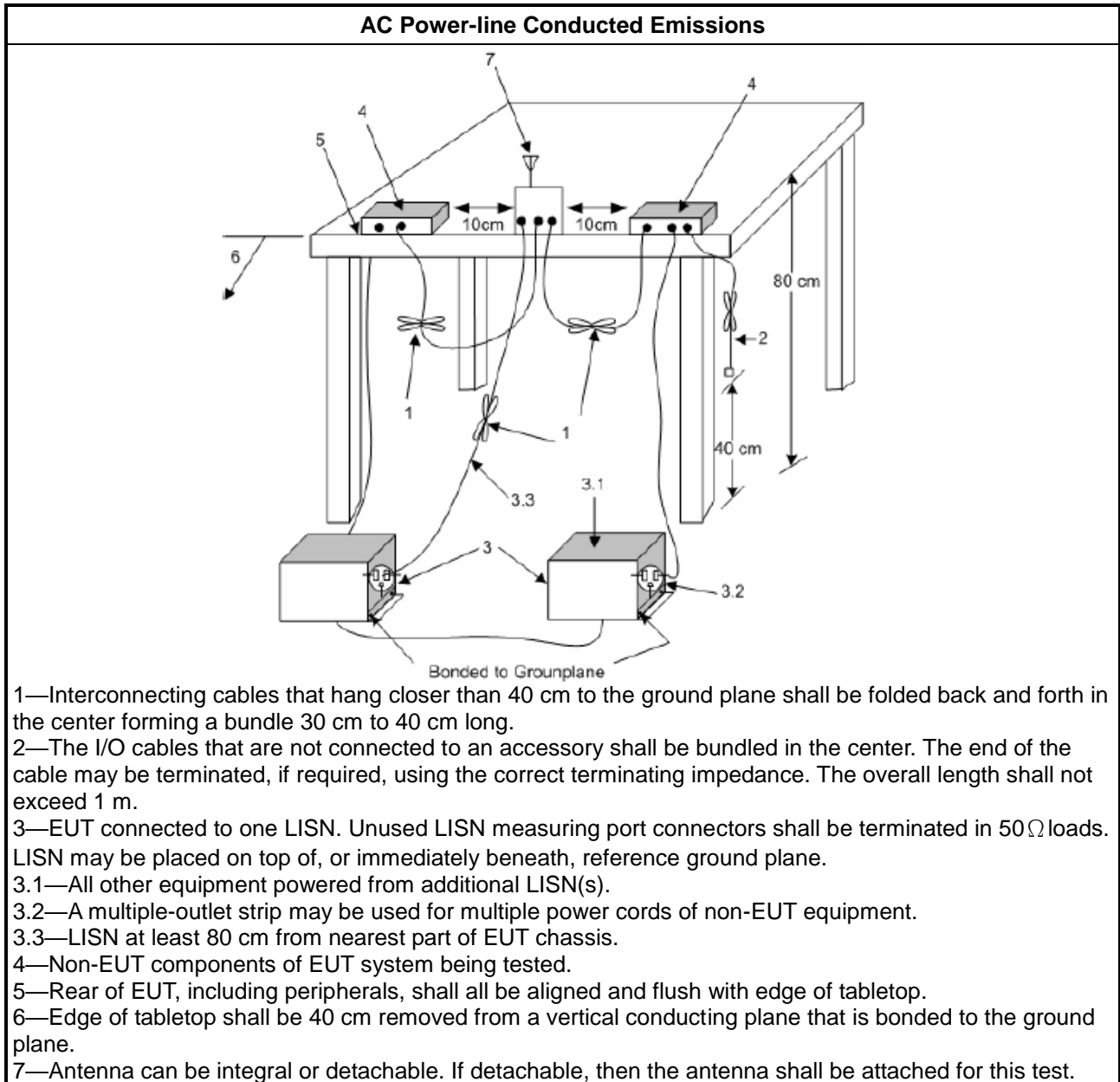
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

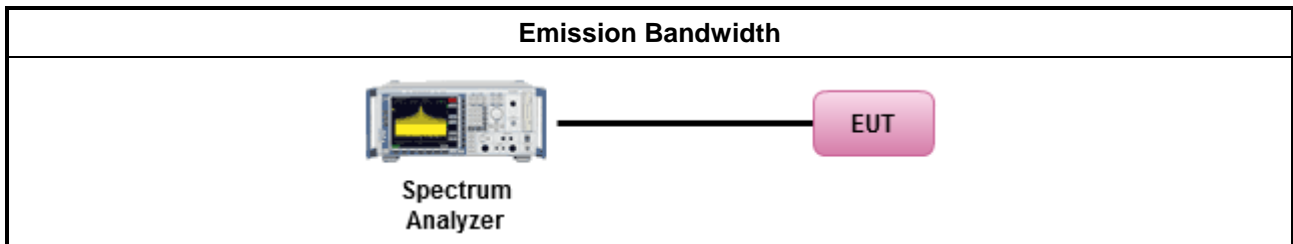
3.2.2 Measuring Instruments

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

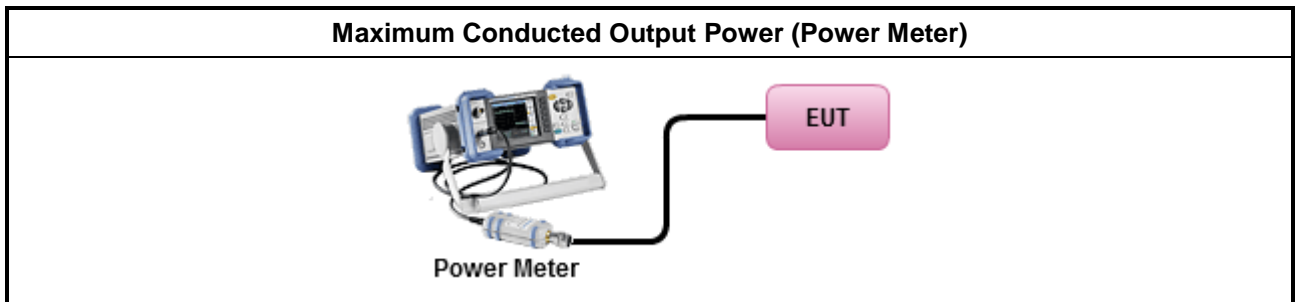
3.3.2 Measuring Instruments

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"> ▪ Maximum Peak Conducted Output Power 	
<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"> ▪ Maximum Average Conducted Output Power 	
<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"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$ 	

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"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

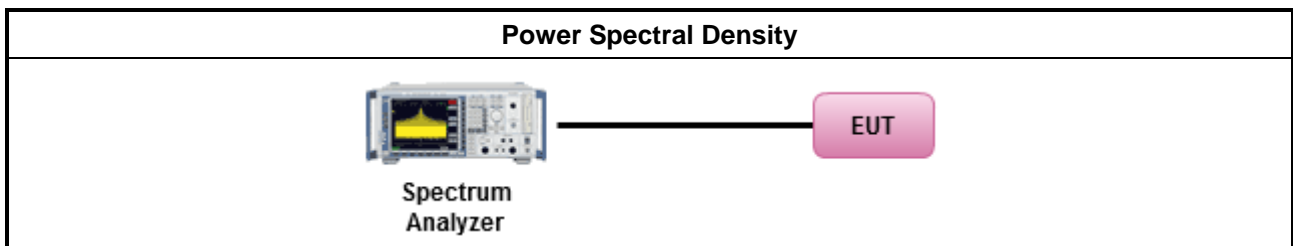
3.4.2 Measuring Instruments

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"> 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).
<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"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> 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.

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.

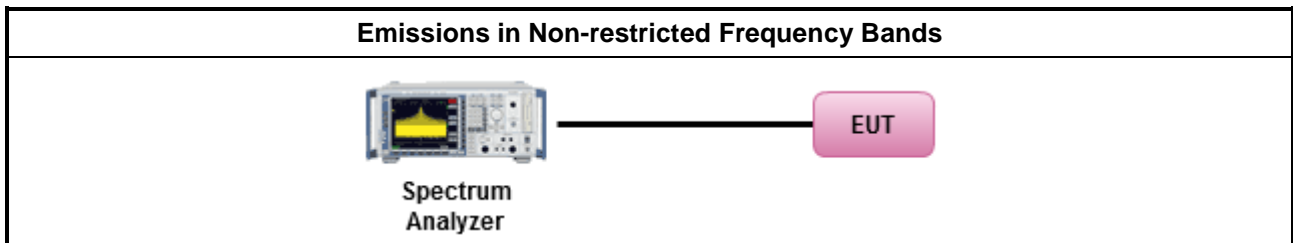
3.5.2 Measuring Instruments

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

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

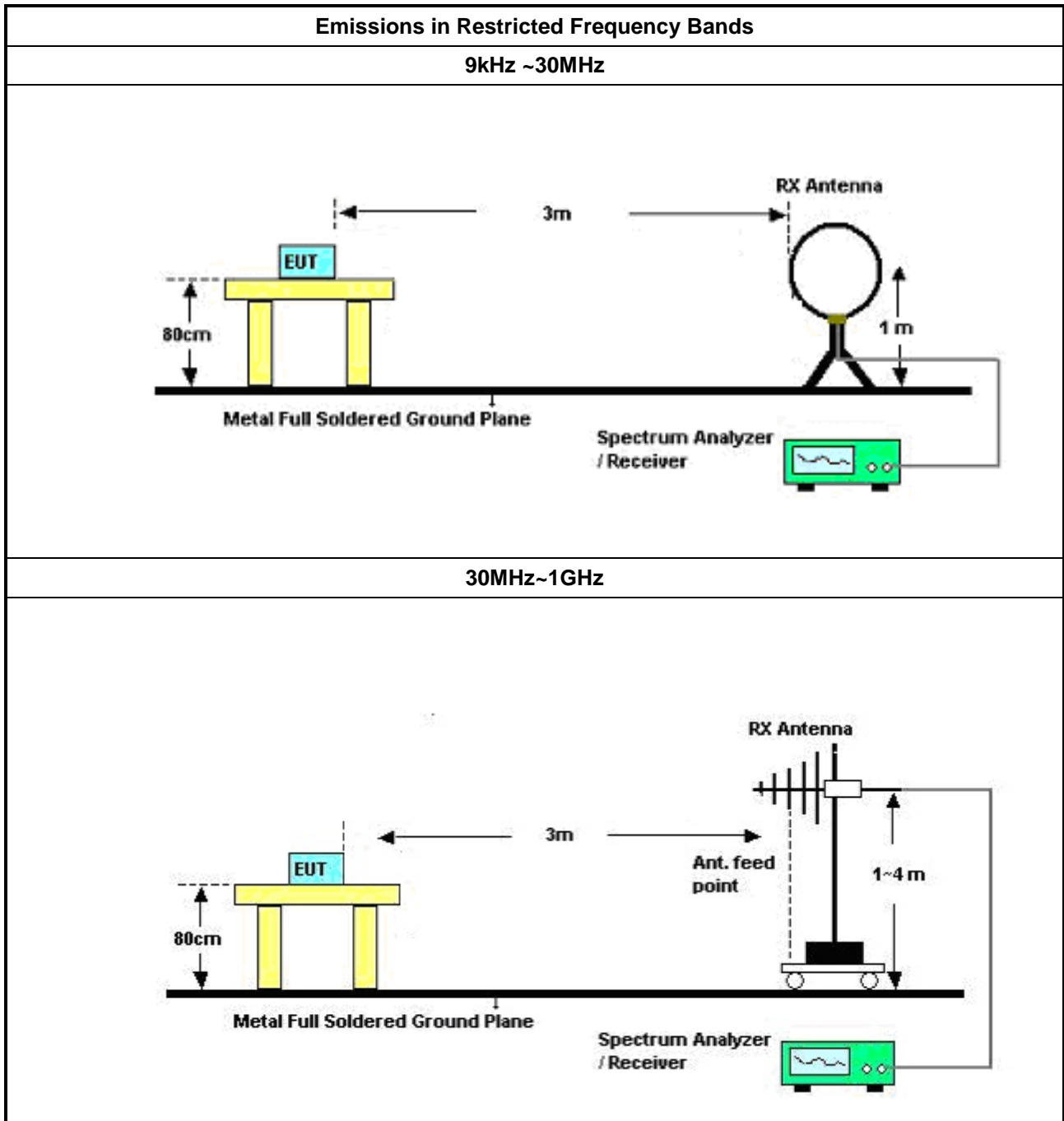
Test Method	
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor].
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
	<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below:
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
	<ul style="list-style-type: none"> ▪ Use the following spectrum analyzer settings:
	<ul style="list-style-type: none"> ▪ Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> ▪ Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
	<ul style="list-style-type: none"> ▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

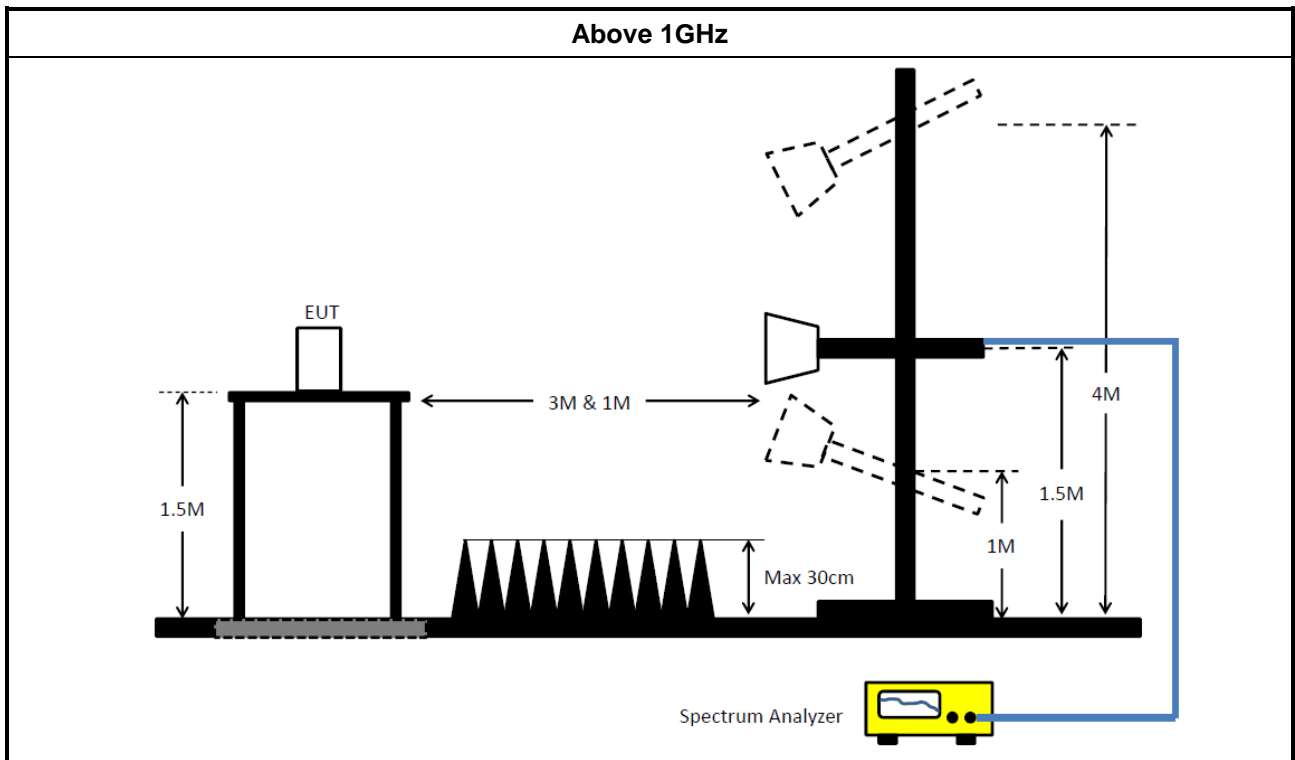
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 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	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	12/Jan/2022	11/Jan/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15247_DTS	Sporton	5.10.8.8	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	9kHz~30MHz	09/Dec/2022	08/Dec/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	30MHz~1GHz	09/Dec/2022	08/Dec/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Nov/2022	01/Nov/2023
SENSE-15247-DTS	Sporton	NA	5.10.8.8	NA	NA	NA



Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-15247-DTS	Sporton	NA	5.10.8.8	NA	NA	NA



Summary

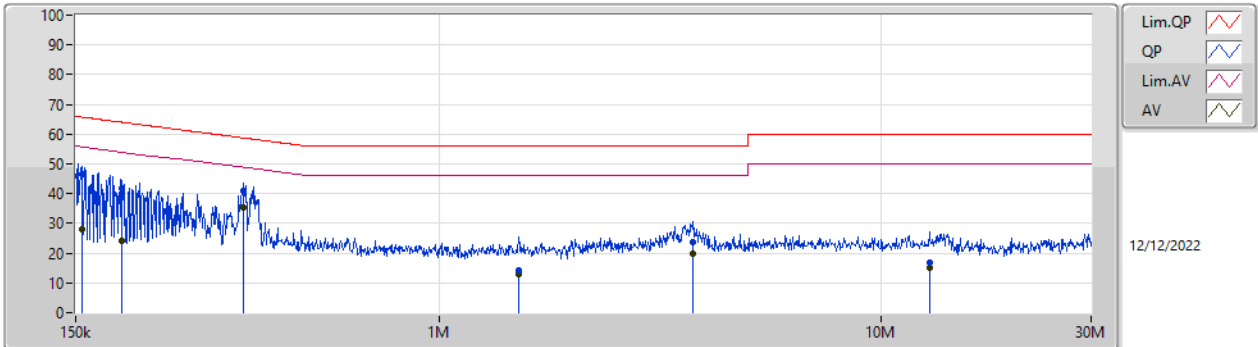
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	359.562k	35.52	48.73	-13.21	Line



Result

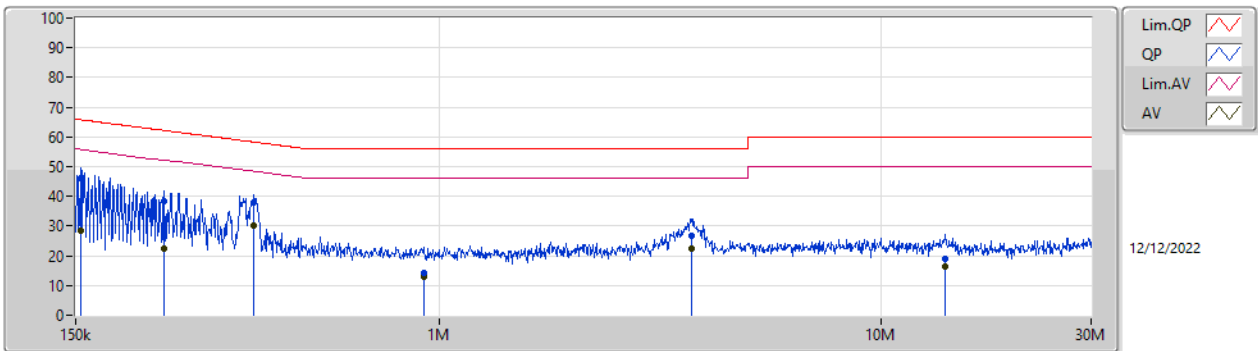
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	155.487k	46.63	65.69	-19.06	Line	-
Mode 1	Pass	AV	155.487k	27.94	55.69	-27.75	Line	-
Mode 1	Pass	QP	191.358k	41.78	63.97	-22.19	Line	-
Mode 1	Pass	AV	191.358k	23.99	53.97	-29.98	Line	-
Mode 1	Pass	QP	359.562k	41.10	58.73	-17.63	Line	-
Mode 1	Pass	AV	359.562k	35.52	48.73	-13.21	Line	-
Mode 1	Pass	QP	1.513M	14.25	56.00	-41.75	Line	-
Mode 1	Pass	AV	1.513M	13.07	46.00	-32.93	Line	-
Mode 1	Pass	QP	3.76M	23.78	56.00	-32.22	Line	-
Mode 1	Pass	AV	3.76M	19.94	46.00	-26.06	Line	-
Mode 1	Pass	QP	12.91M	16.63	60.00	-43.37	Line	-
Mode 1	Pass	AV	12.91M	15.20	50.00	-34.80	Line	-
Mode 1	Pass	QP	154.251k	46.25	65.77	-19.52	Neutral	-
Mode 1	Pass	AV	154.251k	28.44	55.77	-27.33	Neutral	-
Mode 1	Pass	QP	238.343k	38.32	62.16	-23.84	Neutral	-
Mode 1	Pass	AV	238.343k	22.29	52.16	-29.87	Neutral	-
Mode 1	Pass	QP	378.715k	38.05	58.31	-20.26	Neutral	-
Mode 1	Pass	AV	378.715k	30.14	48.31	-18.17	Neutral	-
Mode 1	Pass	QP	922.424k	14.30	56.00	-41.70	Neutral	-
Mode 1	Pass	AV	922.424k	12.80	46.00	-33.20	Neutral	-
Mode 1	Pass	QP	3.73M	26.51	56.00	-29.49	Neutral	-
Mode 1	Pass	AV	3.73M	22.56	46.00	-23.44	Neutral	-
Mode 1	Pass	QP	14.039M	19.11	60.00	-40.89	Neutral	-
Mode 1	Pass	AV	14.039M	16.47	50.00	-33.53	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	155.487k	46.63	65.69	-19.06	19.65	Line	-	26.98	9.69	0.03	9.93
AV	155.487k	27.94	55.69	-27.75	19.65	Line	-	8.29	9.69	0.03	9.93
QP	191.358k	41.78	63.97	-22.19	19.65	Line	-	22.13	9.69	0.03	9.93
AV	191.358k	23.99	53.97	-29.98	19.65	Line	-	4.34	9.69	0.03	9.93
QP	359.562k	41.10	58.73	-17.63	19.68	Line	-	21.42	9.68	0.04	9.96
AV	359.562k	35.52	48.73	-13.21	19.68	Line	-	15.84	9.68	0.04	9.96
QP	1.513M	14.25	56.00	-41.75	19.70	Line	-	-5.45	9.69	0.07	9.94
AV	1.513M	13.07	46.00	-32.93	19.70	Line	-	-6.63	9.69	0.07	9.94
QP	3.76M	23.78	56.00	-32.22	19.77	Line	-	4.01	9.71	0.13	9.93
AV	3.76M	19.94	46.00	-26.06	19.77	Line	-	0.17	9.71	0.13	9.93
QP	12.91M	16.63	60.00	-43.37	19.99	Line	-	-3.36	9.80	0.22	9.97
AV	12.91M	15.20	50.00	-34.80	19.99	Line	-	-4.79	9.80	0.22	9.97

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	154.251k	46.25	65.77	-19.52	19.69	Neutral	-	26.56	9.73	0.03	9.93
AV	154.251k	28.44	55.77	-27.33	19.69	Neutral	-	8.75	9.73	0.03	9.93
QP	238.343k	38.32	62.16	-23.84	19.69	Neutral	-	18.63	9.72	0.03	9.94
AV	238.343k	22.29	52.16	-29.87	19.69	Neutral	-	2.60	9.72	0.03	9.94
QP	378.715k	38.05	58.31	-20.26	19.72	Neutral	-	18.33	9.72	0.04	9.96
AV	378.715k	30.14	48.31	-18.17	19.72	Neutral	-	10.42	9.72	0.04	9.96
QP	922.424k	14.30	56.00	-41.70	19.72	Neutral	-	-5.42	9.73	0.05	9.94
AV	922.424k	12.80	46.00	-33.20	19.72	Neutral	-	-6.92	9.73	0.05	9.94
QP	3.73M	26.51	56.00	-29.49	19.82	Neutral	-	6.69	9.76	0.13	9.93
AV	3.73M	22.56	46.00	-23.44	19.82	Neutral	-	2.74	9.76	0.13	9.93
QP	14.039M	19.11	60.00	-40.89	20.14	Neutral	-	-1.03	9.94	0.23	9.97
AV	14.039M	16.47	50.00	-33.53	20.14	Neutral	-	-3.67	9.94	0.23	9.97



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)_2TX	8.025M	11.928M	11M9G1D	7.075M	11.87M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.183M	17M2D1D	16.325M	16.524M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.825M	18.929M	18M9D1D	17.375M	18.856M

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)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	11.87M	7.55M	11.87M
2437MHz	Pass	500k	7.075M	11.899M	7.5M	11.899M
2462MHz	Pass	500k	7.525M	11.928M	7.525M	11.899M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.545M	16.35M	16.524M
2437MHz	Pass	500k	16.325M	17.183M	16.325M	17.119M
2462MHz	Pass	500k	16.325M	16.524M	16.325M	16.524M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.575M	18.88M	18.675M	18.856M
2437MHz	Pass	500k	17.375M	18.929M	18.425M	18.929M
2462MHz	Pass	500k	18.825M	18.856M	18.225M	18.856M

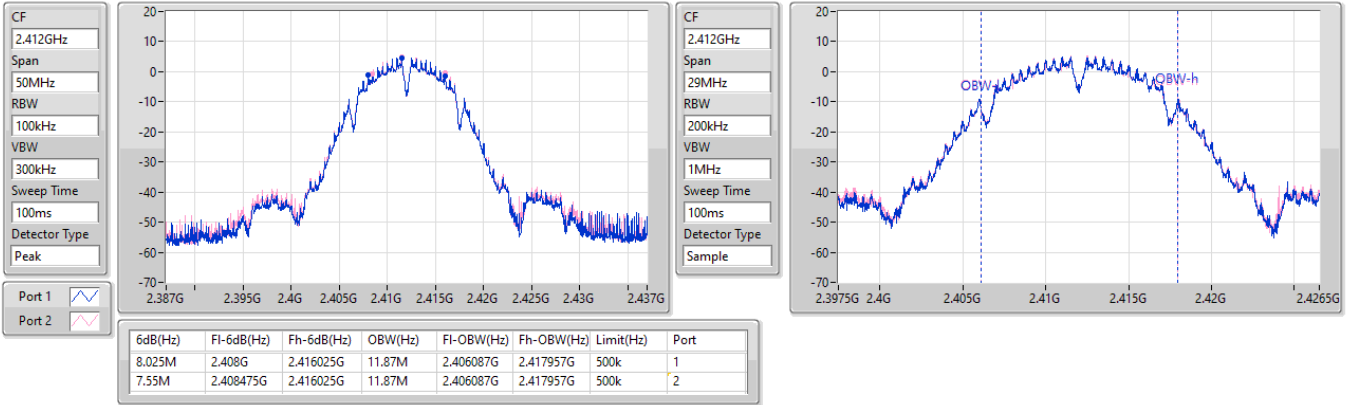
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2412MHz

13/12/2022

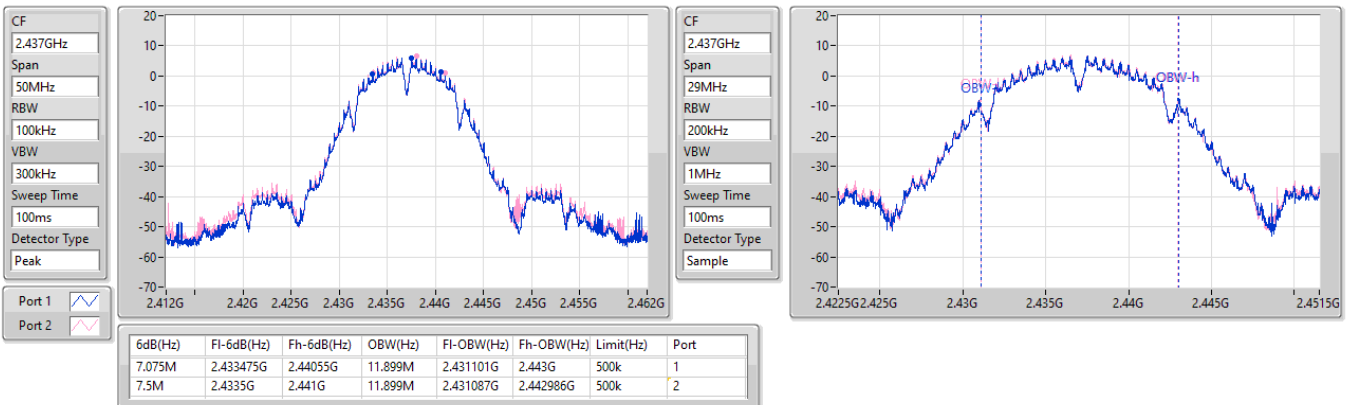


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2437MHz

13/12/2022

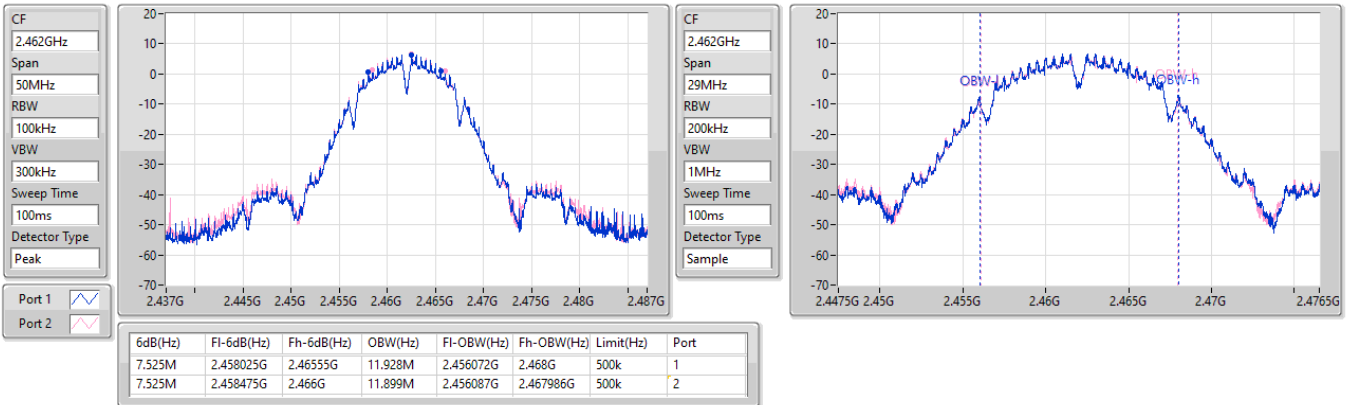


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

13/12/2022

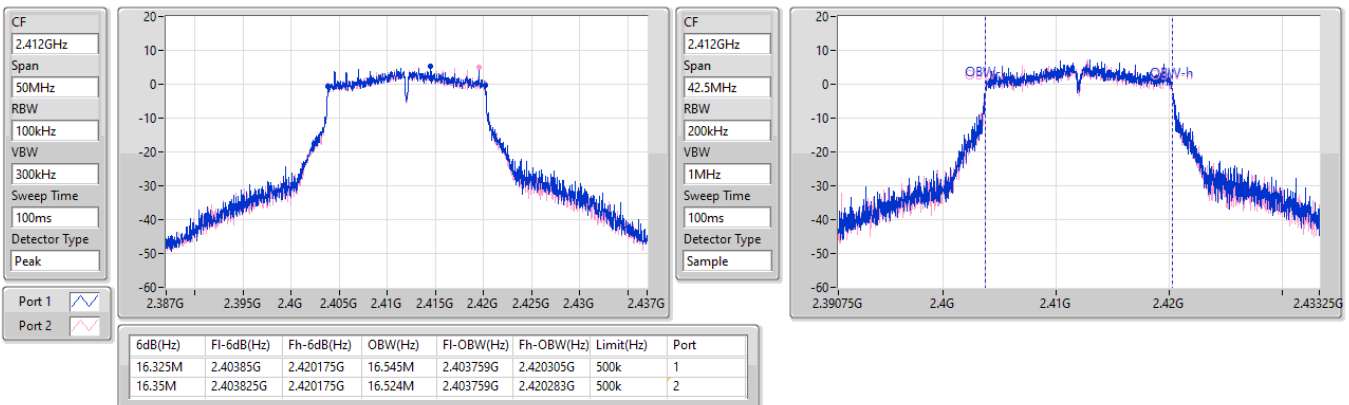


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

13/12/2022

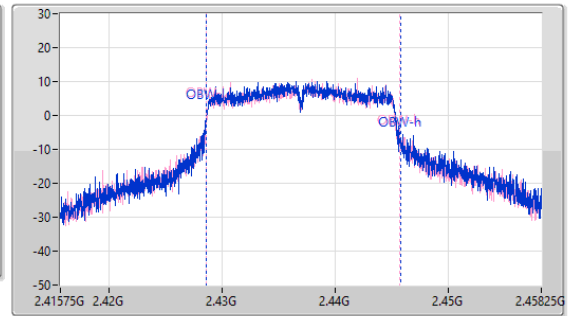
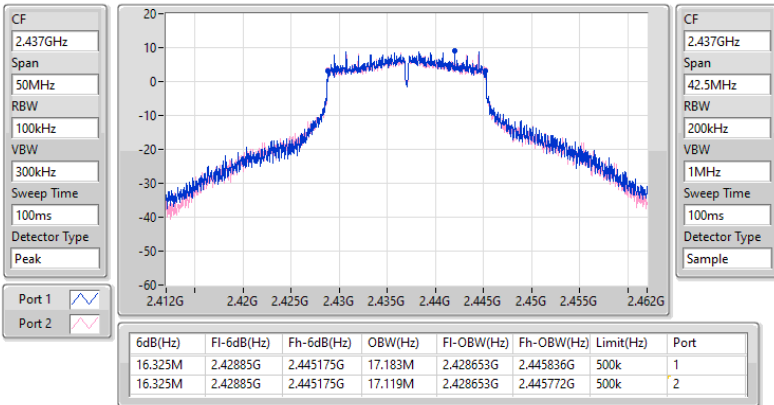


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2437MHz

13/12/2022

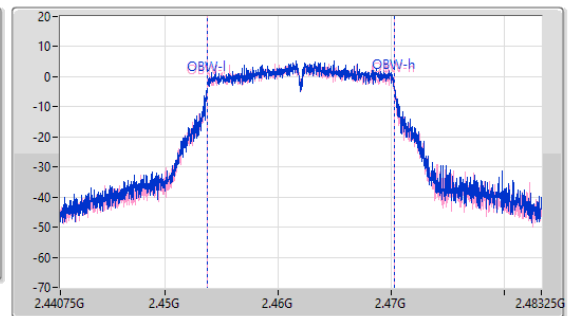
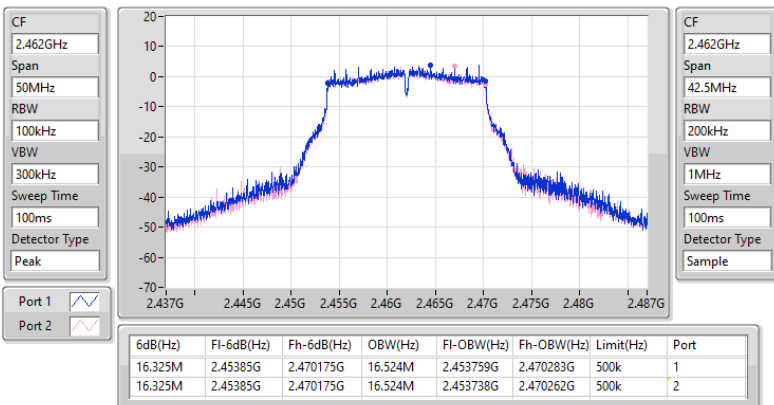


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

EBW

2462MHz

13/12/2022

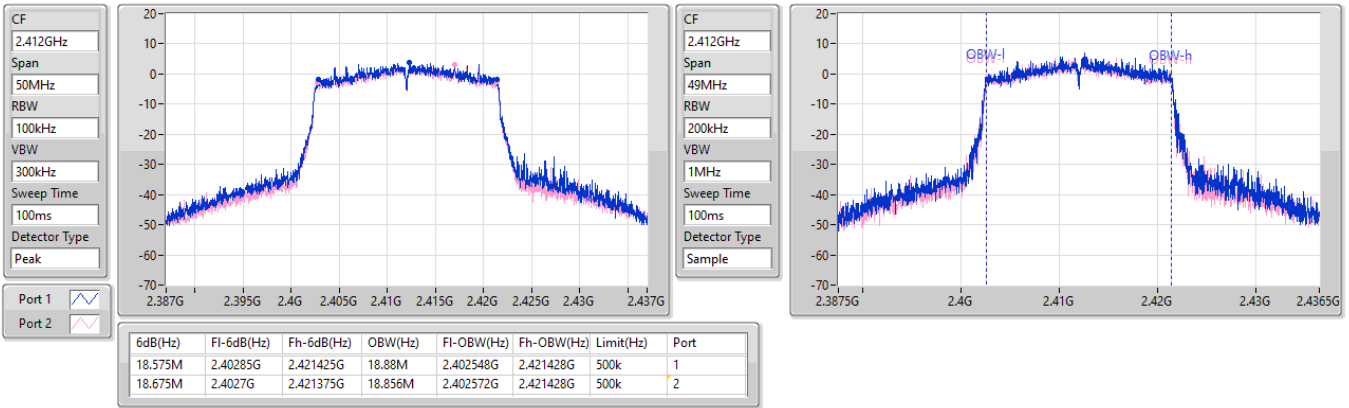


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

13/12/2022

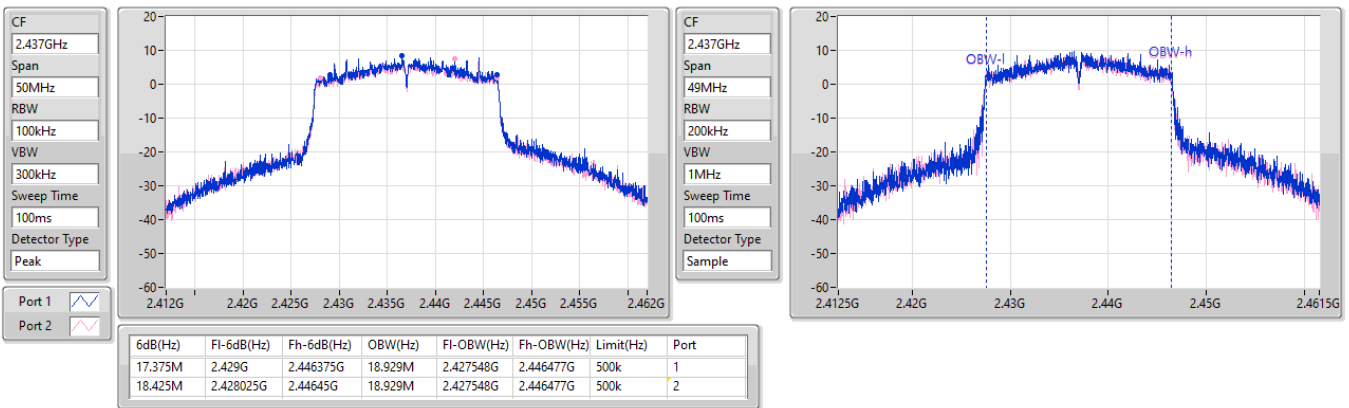


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

13/12/2022

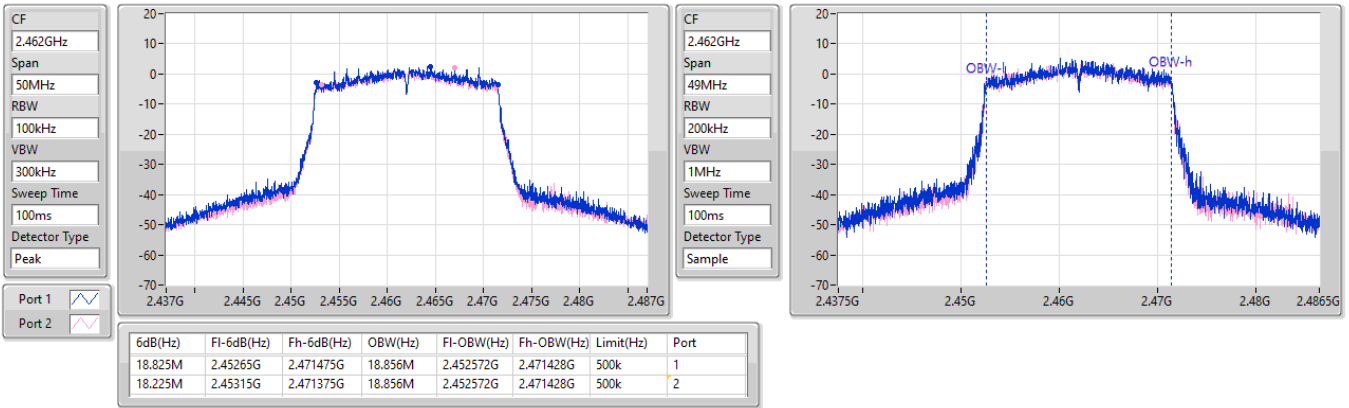


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

13/12/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	17.59	0.05741
802.11g_Nss1,(6Mbps)_2TX	23.96	0.24889
802.11ax HEW20_Nss1,(MCS0)_2TX	22.63	0.18323



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.67	12.64	12.95	15.81	30.00
2417MHz	Pass	1.67	13.16	13.33	16.26	30.00
2437MHz	Pass	1.67	14.26	14.49	17.39	30.00
2462MHz	Pass	1.67	14.50	14.65	17.59	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.67	17.10	16.69	19.91	30.00
2417MHz	Pass	1.67	19.13	19.09	22.12	30.00
2437MHz	Pass	1.67	21.02	20.88	23.96	30.00
2457MHz	Pass	1.67	17.84	17.68	20.77	30.00
2462MHz	Pass	1.67	15.64	15.41	18.54	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.67	15.58	15.38	18.49	30.00
2417MHz	Pass	1.67	18.44	17.96	21.22	30.00
2437MHz	Pass	1.67	19.82	19.42	22.63	30.00
2457MHz	Pass	1.67	16.26	16.00	19.14	30.00
2462MHz	Pass	1.67	14.63	14.16	17.41	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-5.45
802.11g_Nss1,(6Mbps)_2TX	-1.65
802.11ax HEW20_Nss1,(MCS0)_2TX	-3.85

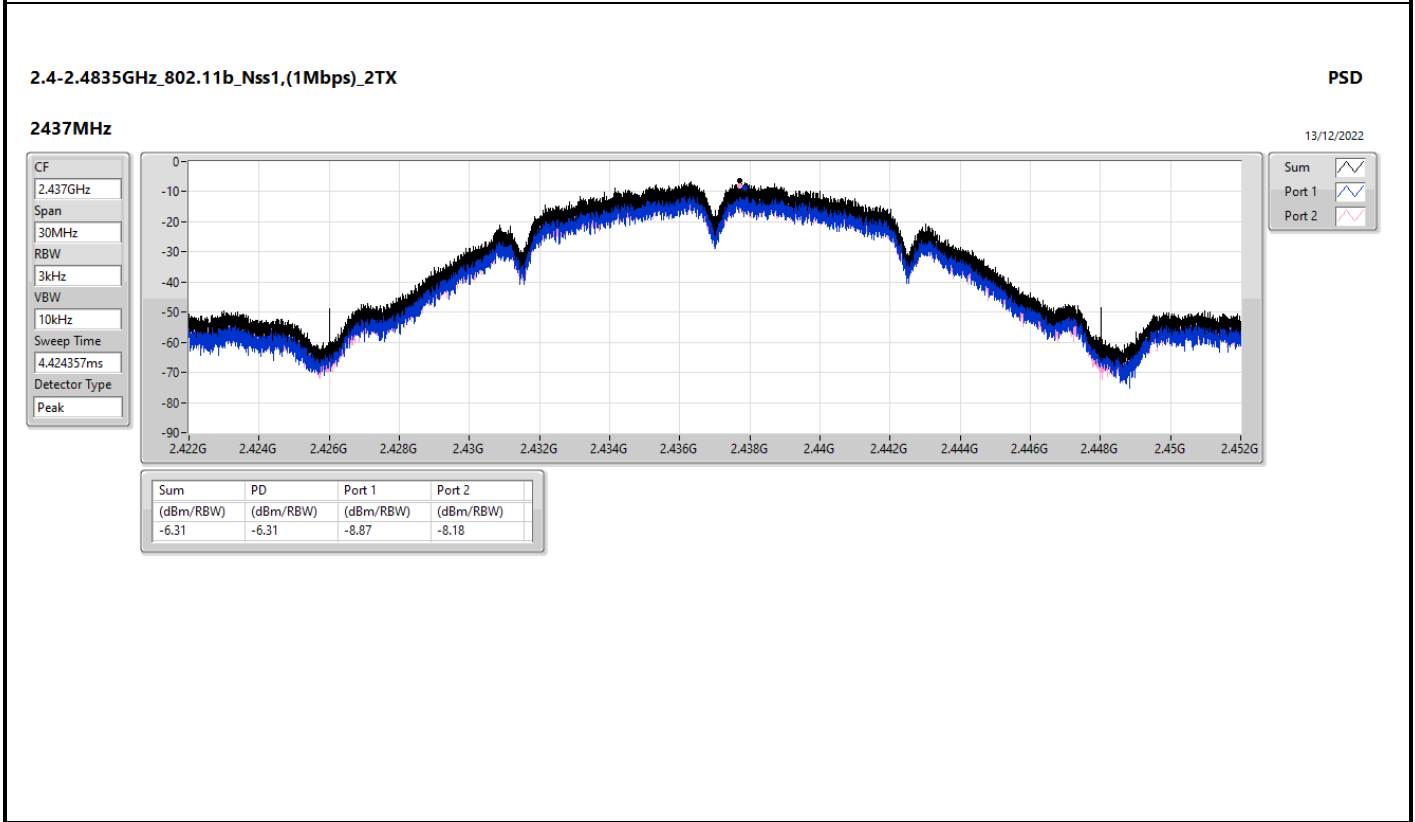
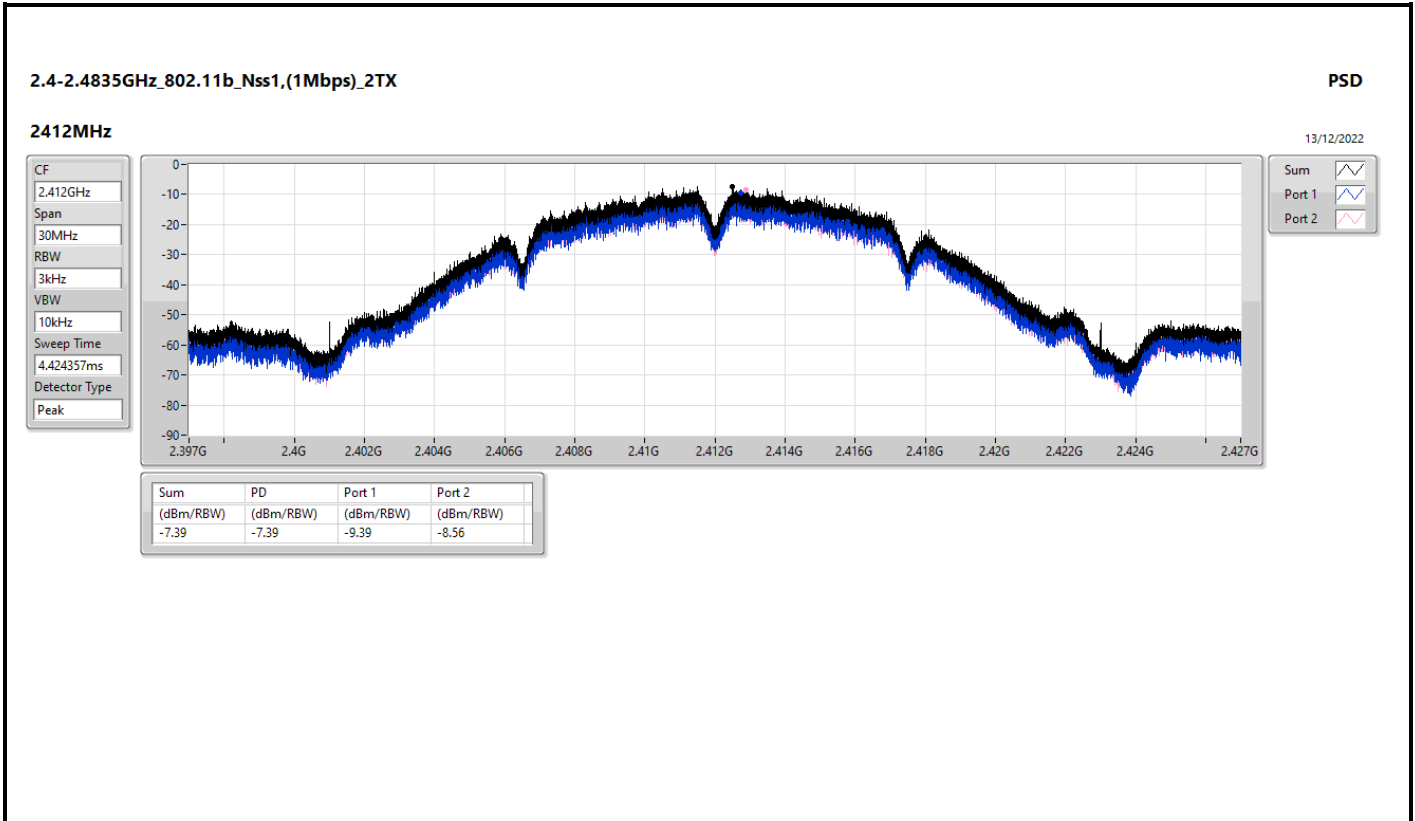
RBW = 3kHz;

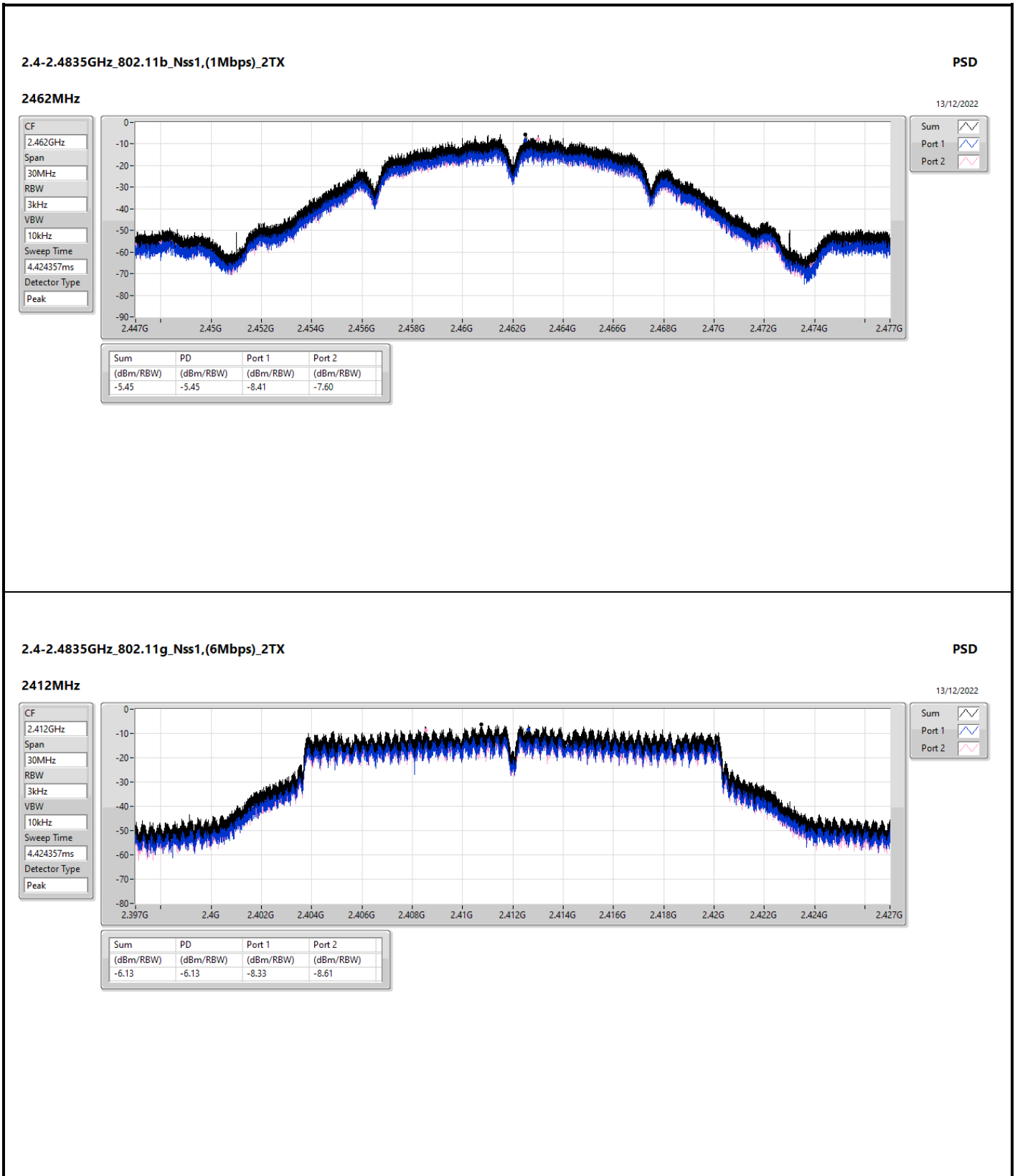


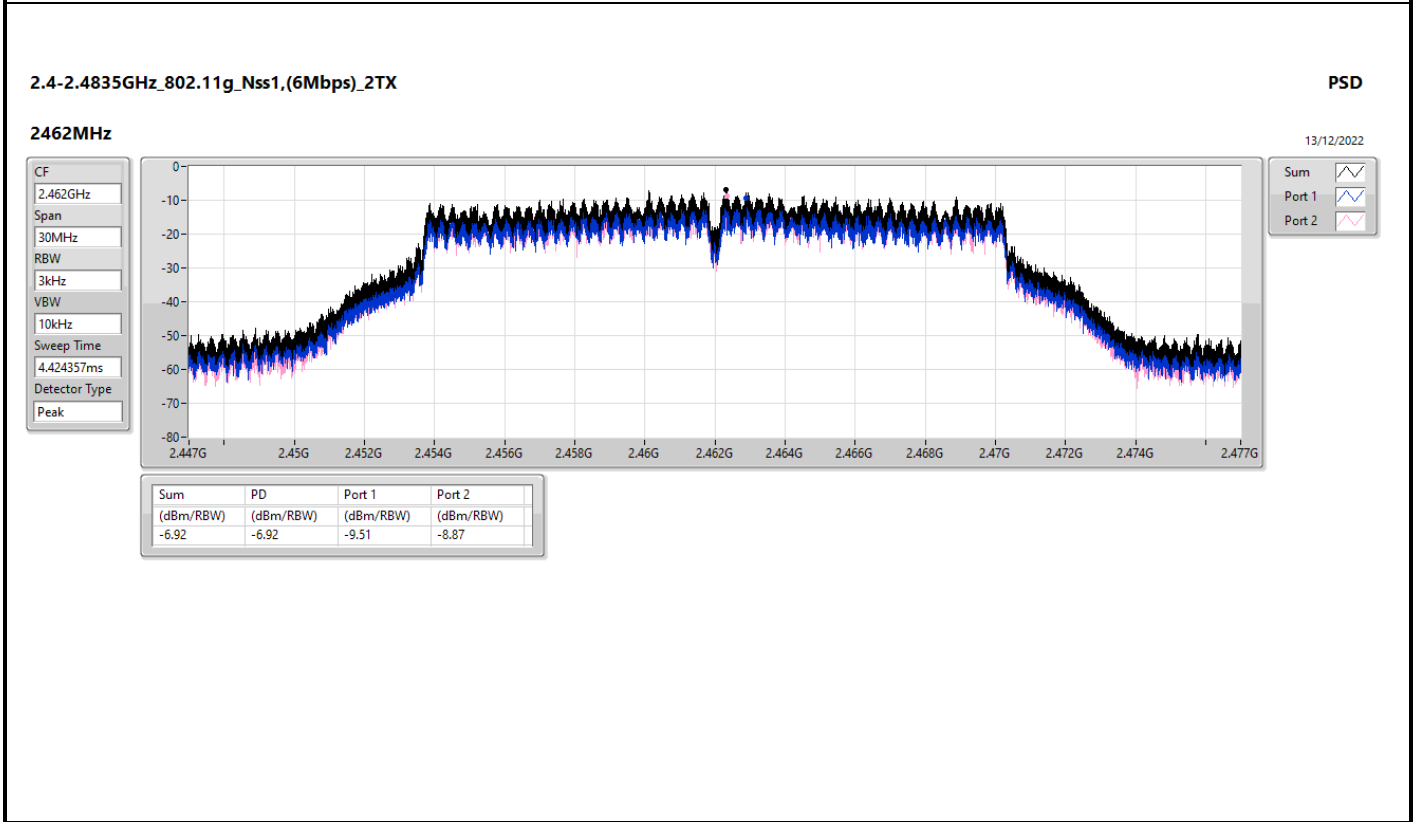
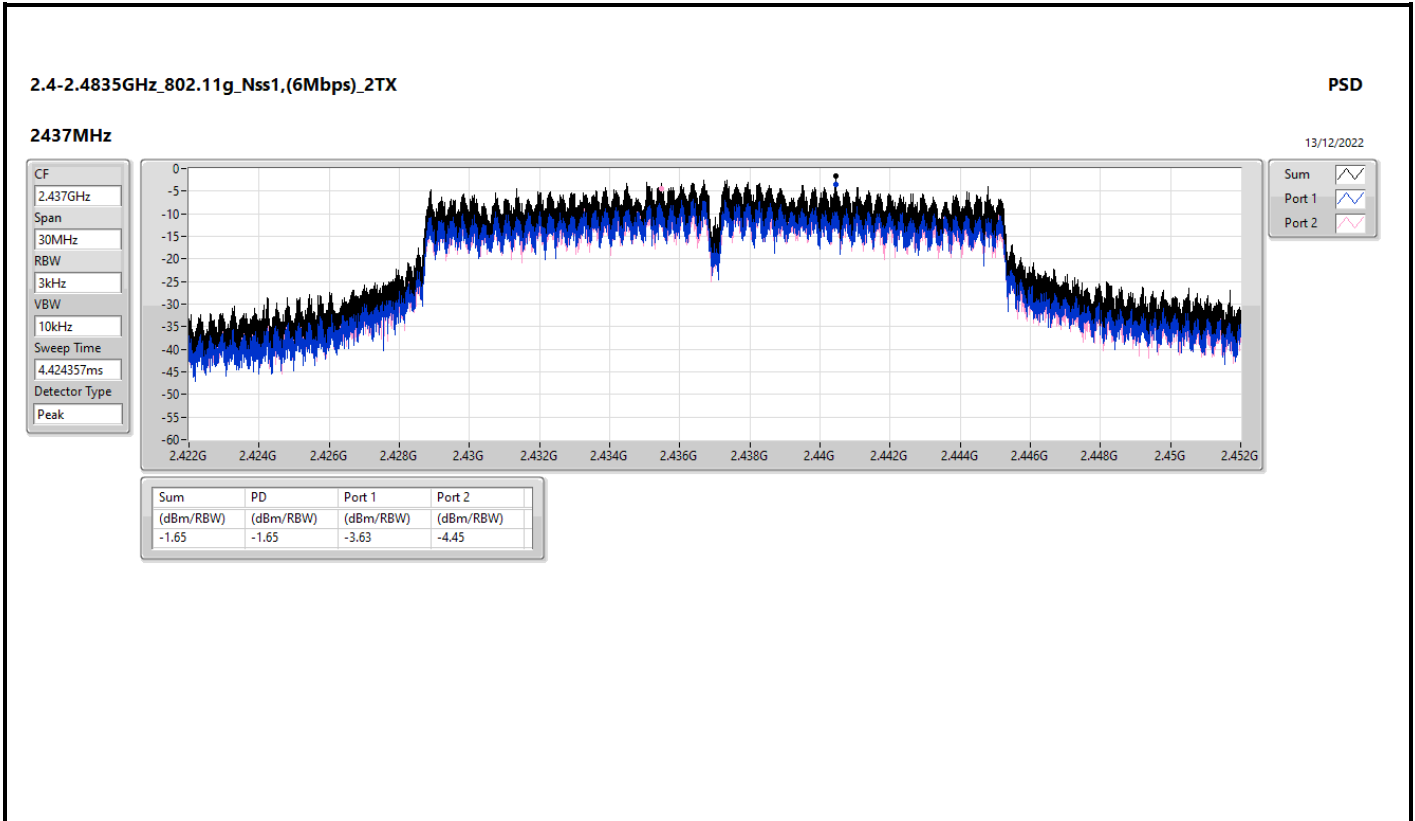
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-9.39	-8.56	-7.39	8.00
2437MHz	Pass	4.68	-8.87	-8.18	-6.31	8.00
2462MHz	Pass	4.68	-8.41	-7.60	-5.45	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-8.33	-8.61	-6.13	8.00
2437MHz	Pass	4.68	-3.63	-4.45	-1.65	8.00
2462MHz	Pass	4.68	-9.51	-8.87	-6.92	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.68	-8.42	-10.50	-7.92	8.00
2437MHz	Pass	4.68	-4.62	-6.12	-3.85	8.00
2462MHz	Pass	4.68	-10.34	-11.67	-8.89	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;







2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

13/12/2022

CF
2.412GHz

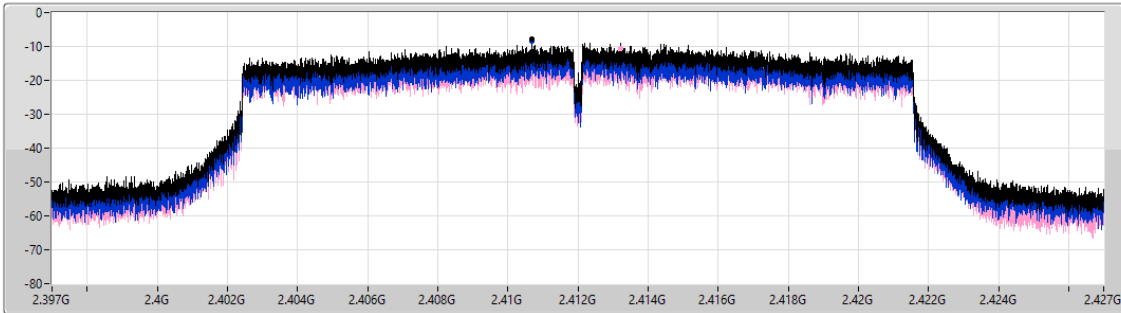
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.92	-7.92	-8.42	-10.50

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

13/12/2022

CF
2.437GHz

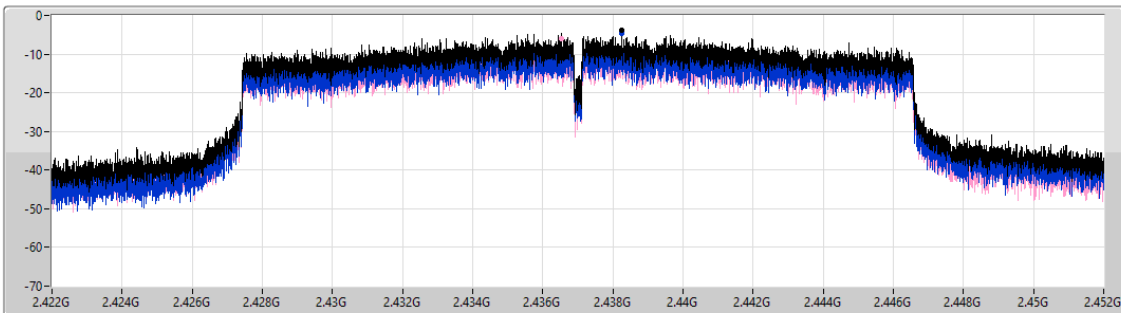
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak

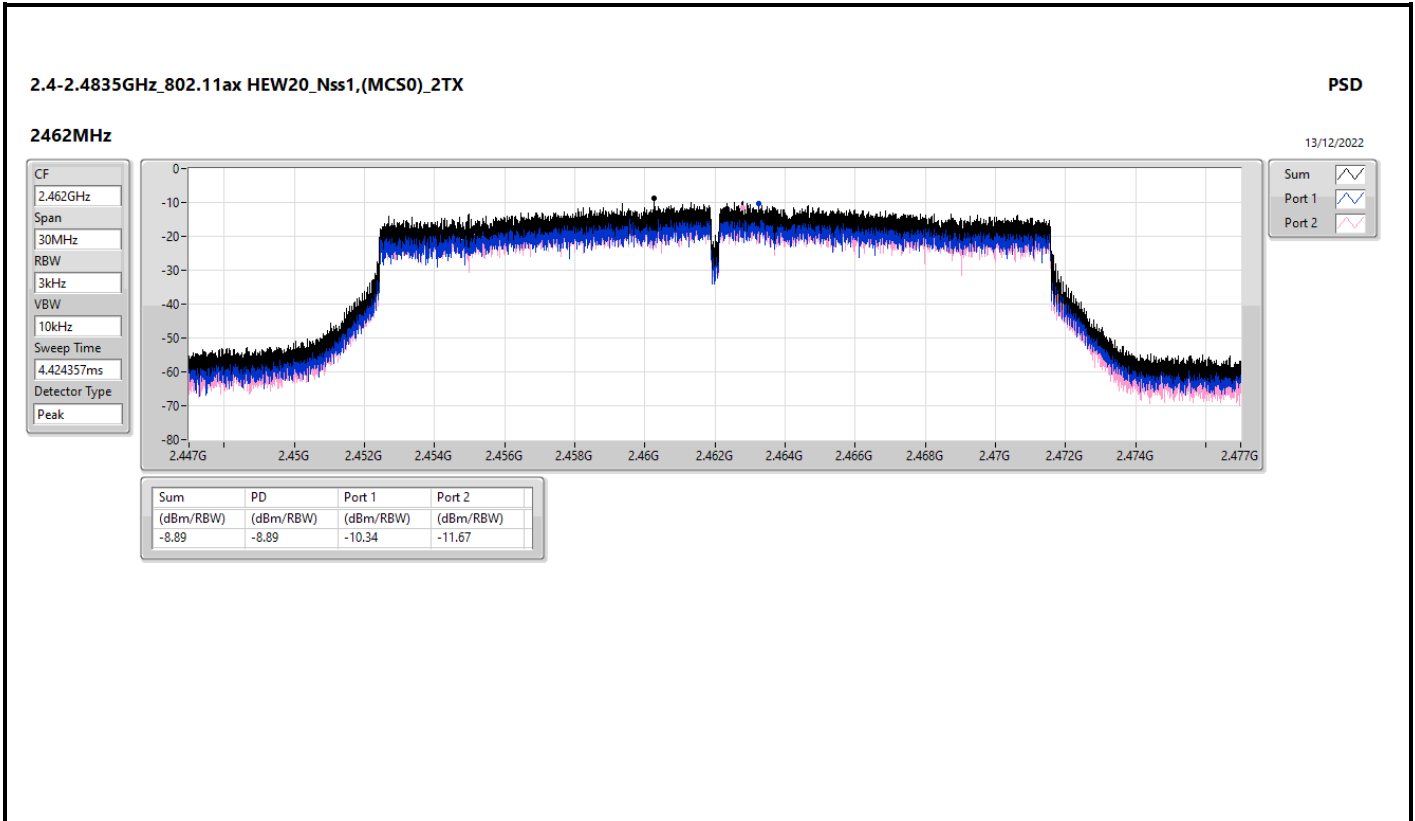


Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.85	-3.85	-4.62	-6.12





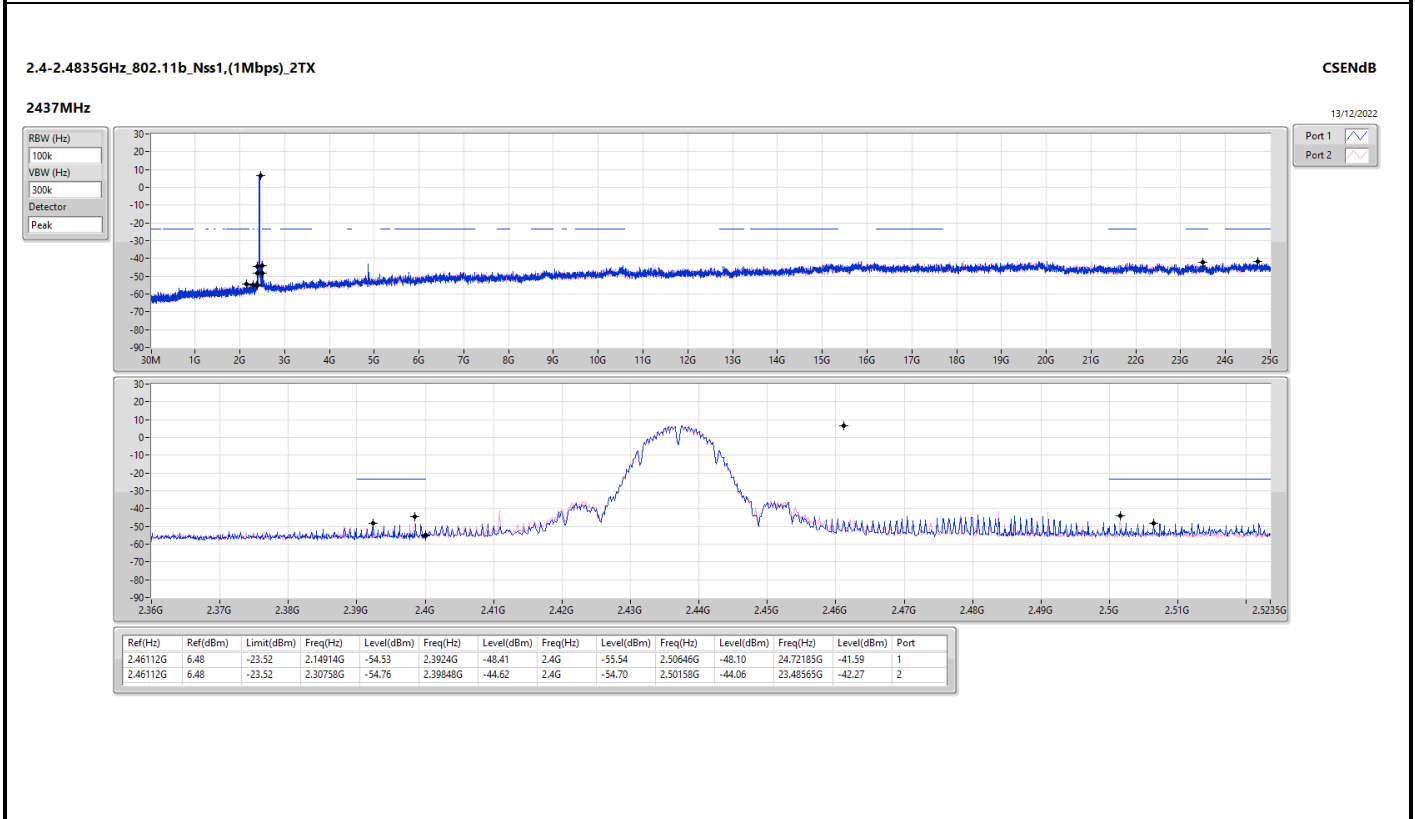
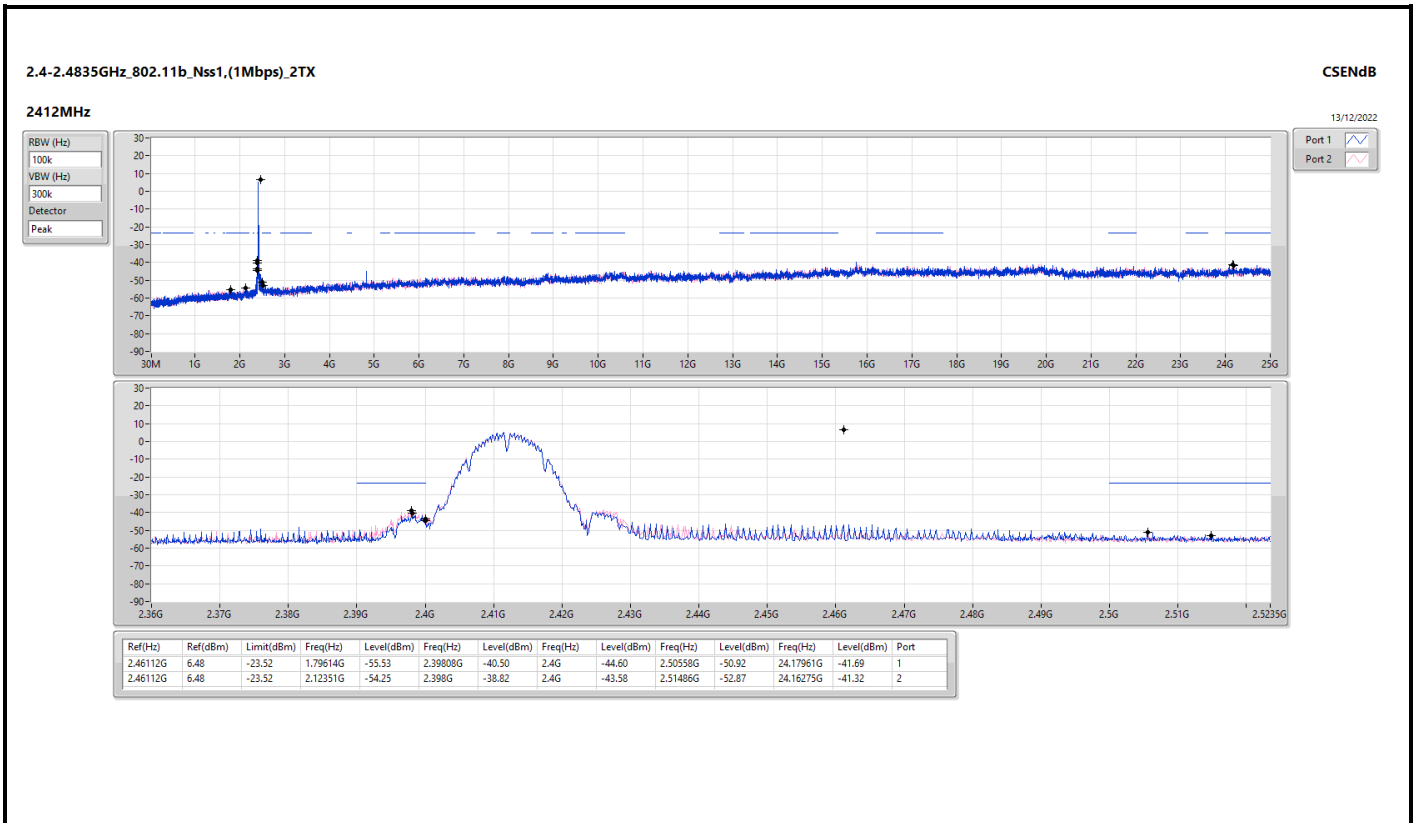
Summary

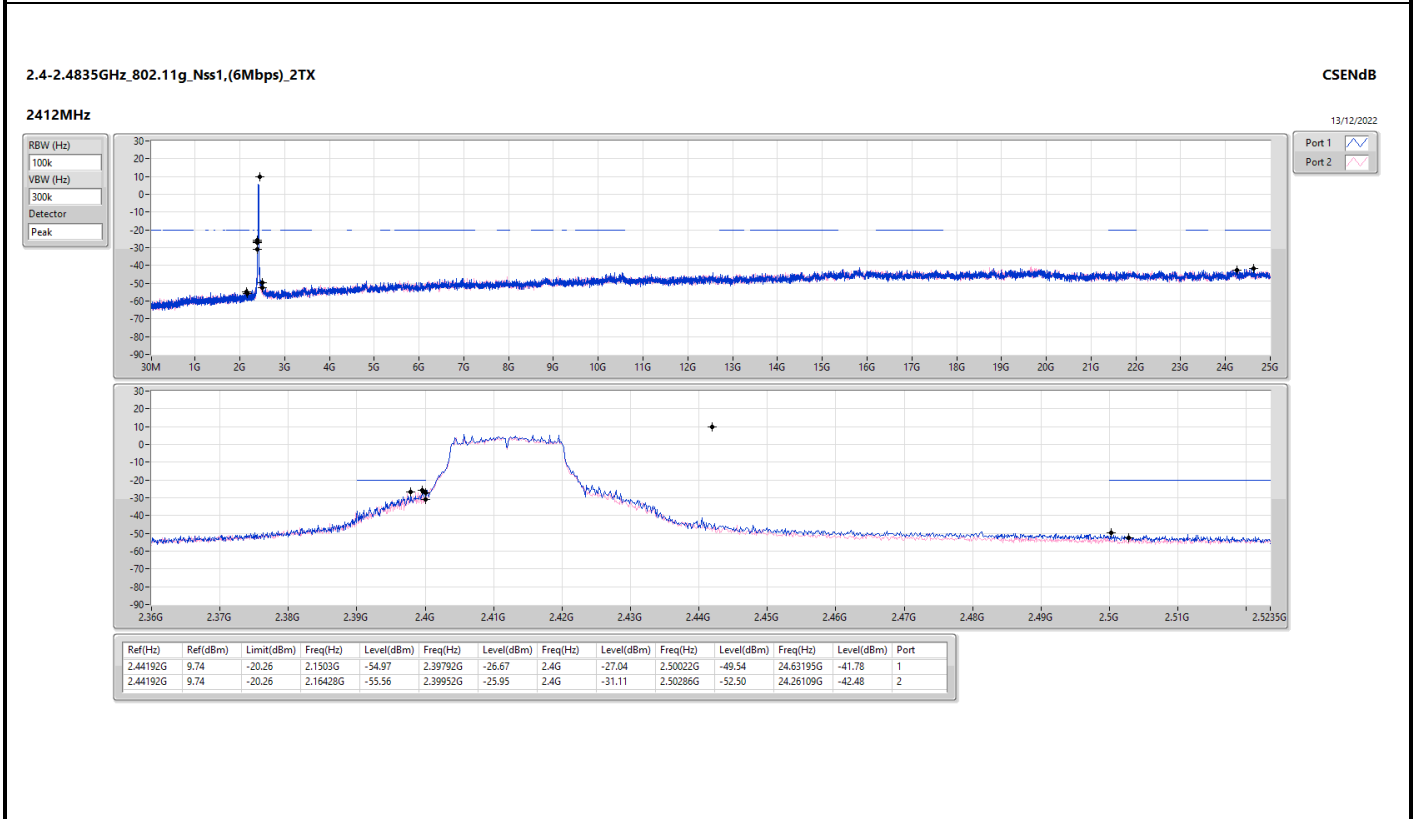
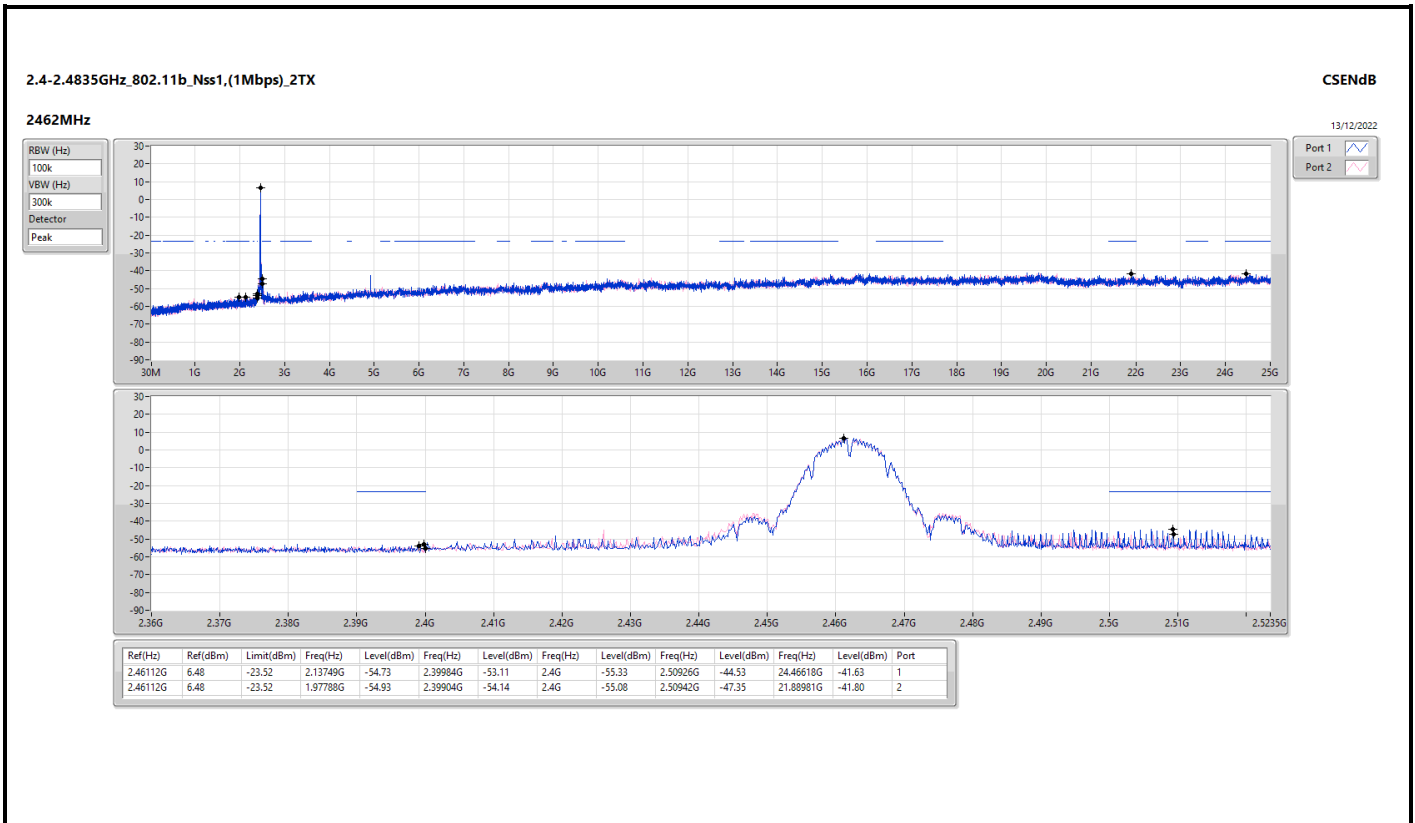
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.46112G	6.48	-23.52	2.12351G	-54.25	2.398G	-38.82	2.4G	-43.58	2.51486G	-52.87	24.16275G	-41.32	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	9.74	-20.26	2.16428G	-55.56	2.39952G	-25.95	2.4G	-31.11	2.50286G	-52.50	24.26109G	-42.48	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44192G	8.01	-21.99	2.00584G	-54.67	2.39952G	-31.60	2.4G	-31.73	2.50542G	-50.30	24.10937G	-41.76	1

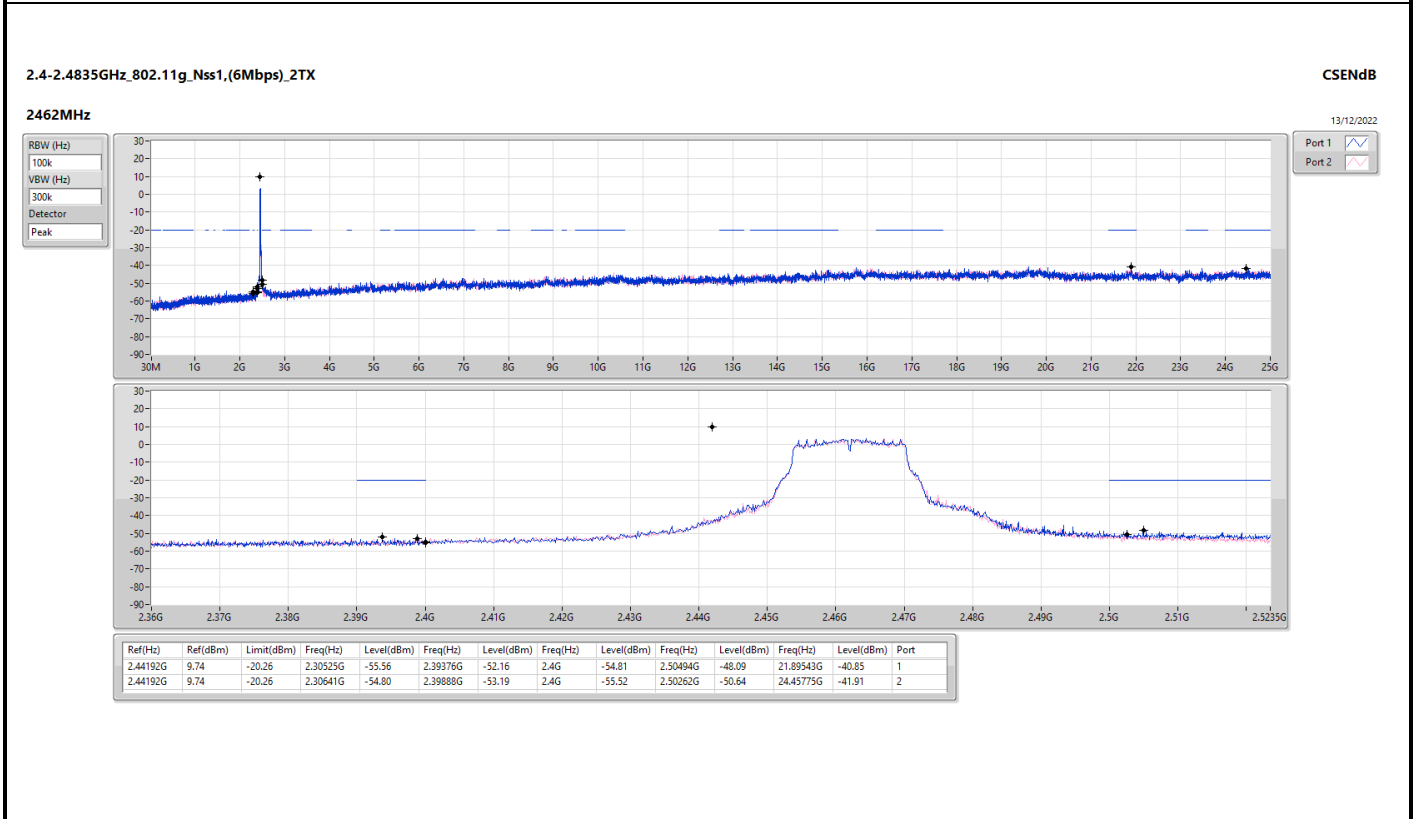
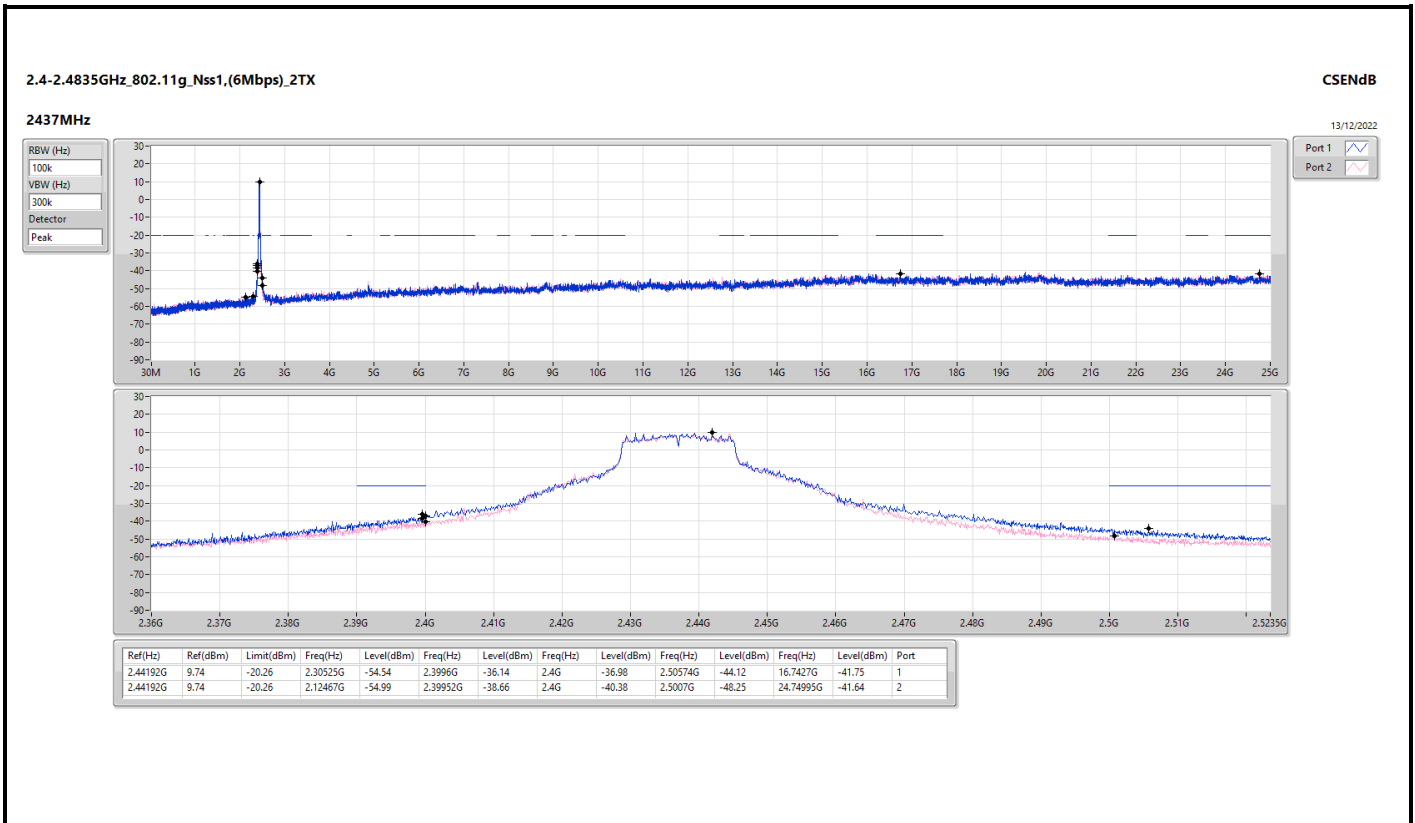


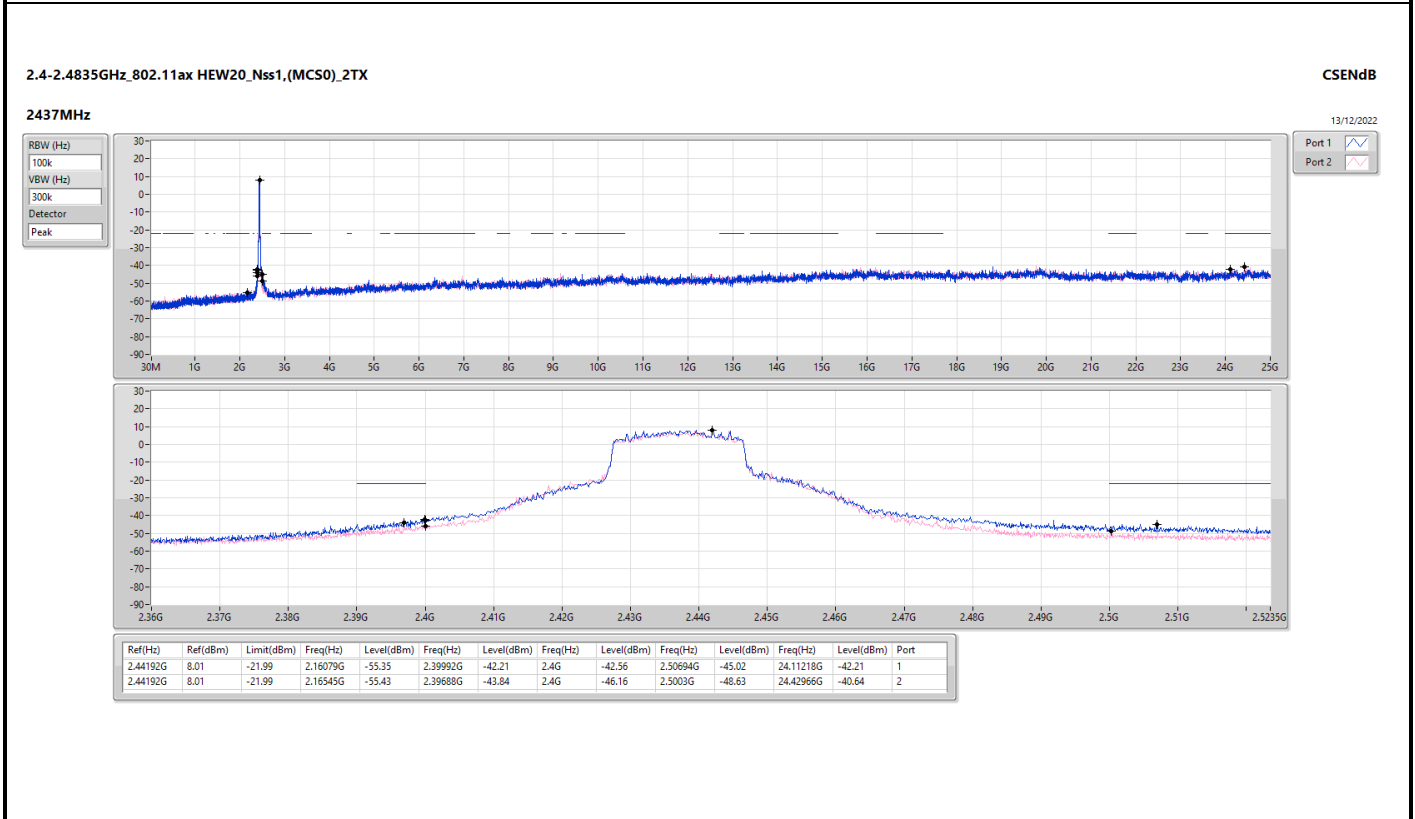
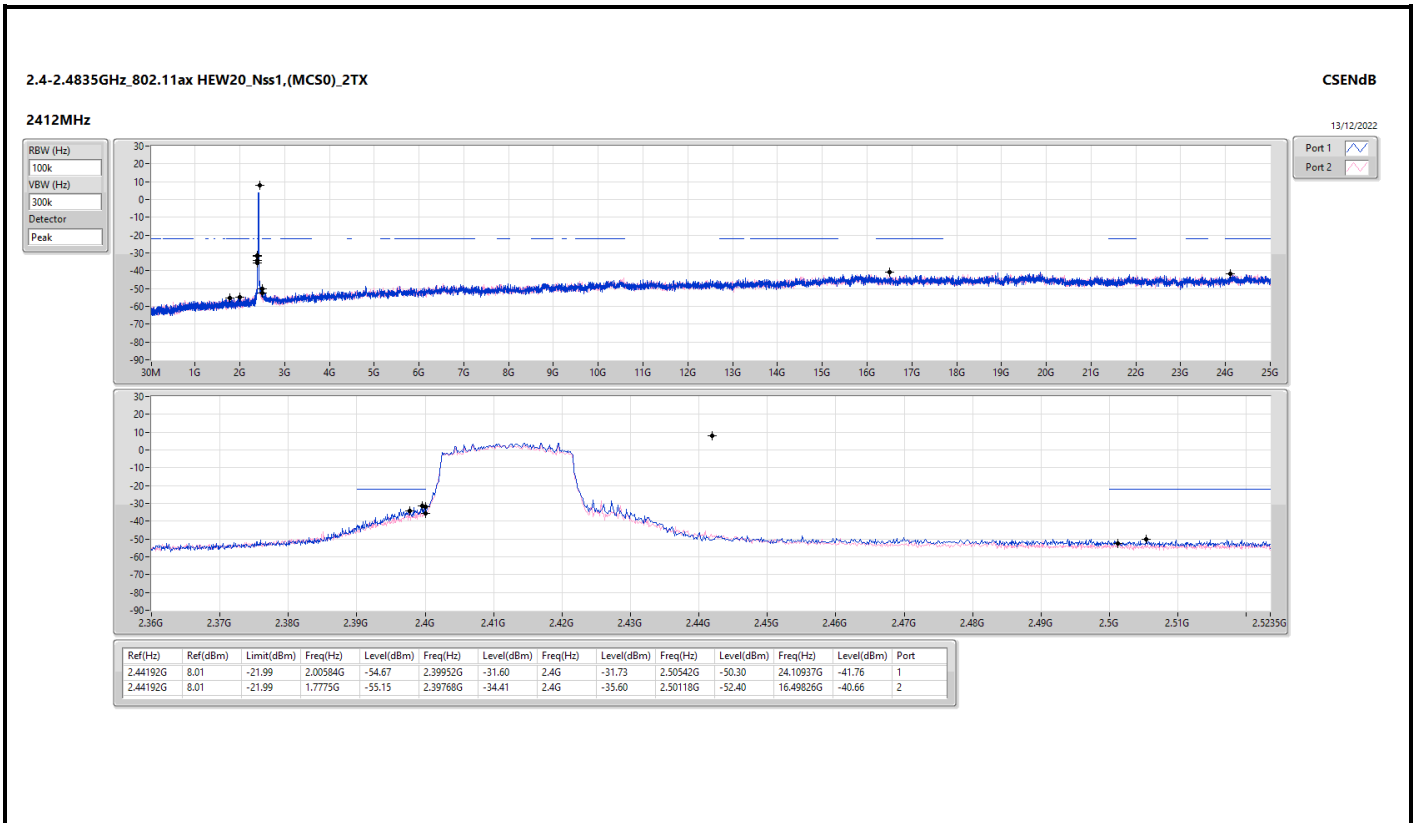
Result

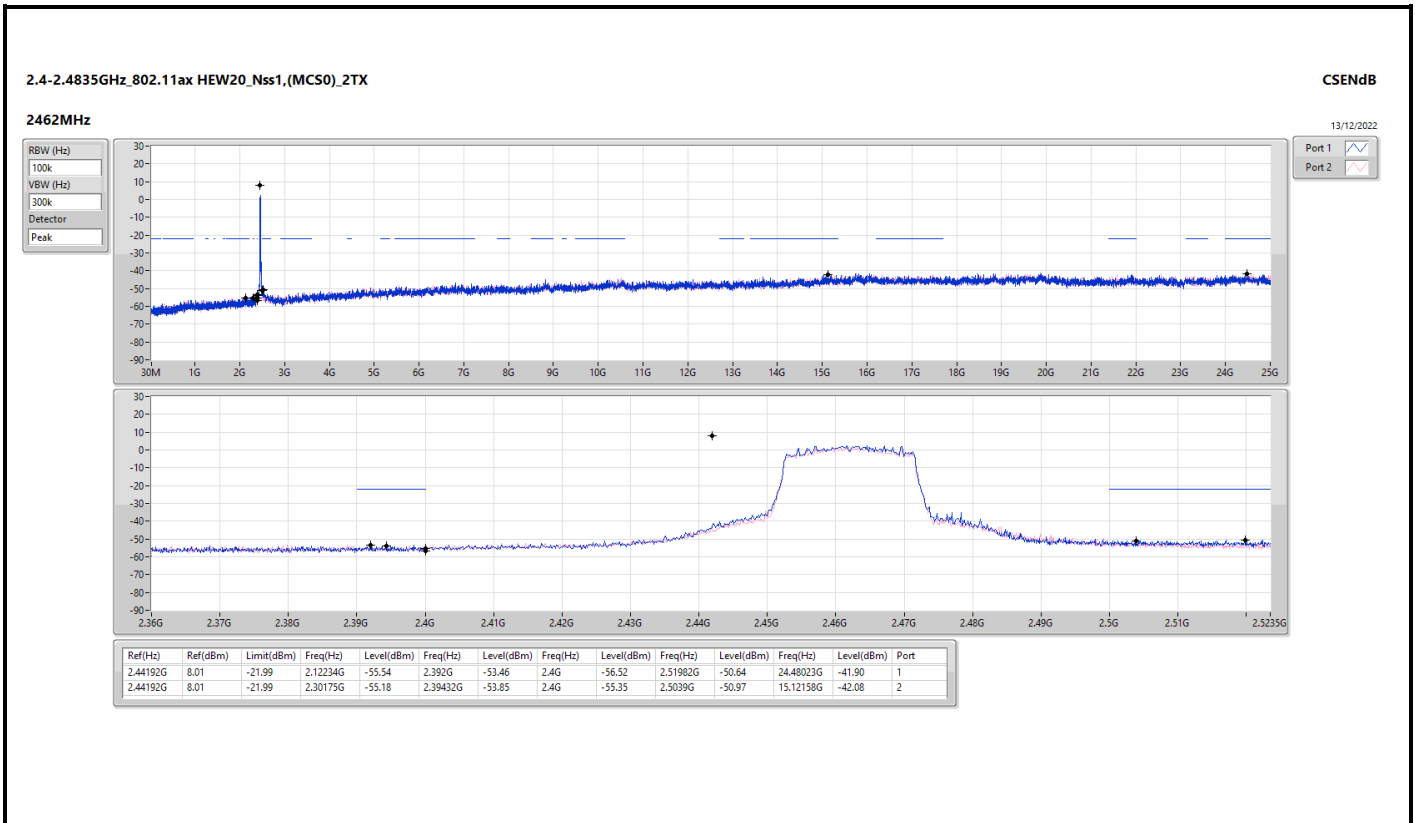
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46112G	6.48	-23.52	1.79614G	-55.53	2.39808G	-40.50	2.4G	-44.60	2.50558G	-50.92	24.17961G	-41.69	1
2412MHz	Pass	2.46112G	6.48	-23.52	2.12351G	-54.25	2.398G	-38.82	2.4G	-43.58	2.51486G	-52.87	24.16275G	-41.32	2
2437MHz	Pass	2.46112G	6.48	-23.52	2.14914G	-54.53	2.3924G	-48.41	2.4G	-55.54	2.50646G	-48.10	24.72185G	-41.59	1
2437MHz	Pass	2.46112G	6.48	-23.52	2.30758G	-54.76	2.39848G	-44.62	2.4G	-54.70	2.50158G	-44.06	23.48565G	-42.27	2
2462MHz	Pass	2.46112G	6.48	-23.52	2.13749G	-54.73	2.39984G	-53.11	2.4G	-55.33	2.50926G	-44.53	24.46618G	-41.63	1
2462MHz	Pass	2.46112G	6.48	-23.52	1.97788G	-54.93	2.39904G	-54.14	2.4G	-55.08	2.50942G	-47.35	21.88981G	-41.80	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	9.74	-20.26	2.1503G	-54.97	2.39792G	-26.67	2.4G	-27.04	2.50022G	-49.54	24.63195G	-41.78	1
2412MHz	Pass	2.44192G	9.74	-20.26	2.16428G	-55.56	2.39952G	-25.95	2.4G	-31.11	2.50286G	-52.50	24.26109G	-42.48	2
2437MHz	Pass	2.44192G	9.74	-20.26	2.30525G	-54.54	2.3996G	-36.14	2.4G	-36.98	2.50574G	-44.12	16.7427G	-41.75	1
2437MHz	Pass	2.44192G	9.74	-20.26	2.12467G	-54.99	2.39952G	-38.66	2.4G	-40.38	2.5007G	-48.25	24.74995G	-41.64	2
2462MHz	Pass	2.44192G	9.74	-20.26	2.30525G	-55.56	2.39376G	-52.16	2.4G	-54.81	2.50494G	-48.09	21.89543G	-40.85	1
2462MHz	Pass	2.44192G	9.74	-20.26	2.30641G	-54.80	2.39888G	-53.19	2.4G	-55.52	2.50262G	-50.64	24.45775G	-41.91	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	8.01	-21.99	2.00584G	-54.67	2.39952G	-31.60	2.4G	-31.73	2.50542G	-50.30	24.10937G	-41.76	1
2412MHz	Pass	2.44192G	8.01	-21.99	1.7775G	-55.15	2.39768G	-34.41	2.4G	-35.60	2.50118G	-52.40	16.49826G	-40.66	2
2437MHz	Pass	2.44192G	8.01	-21.99	2.16079G	-55.35	2.39992G	-42.21	2.4G	-42.56	2.50694G	-45.02	24.11218G	-42.21	1
2437MHz	Pass	2.44192G	8.01	-21.99	2.16545G	-55.43	2.39688G	-43.84	2.4G	-46.16	2.5003G	-48.63	24.42966G	-40.64	2
2462MHz	Pass	2.44192G	8.01	-21.99	2.12234G	-55.54	2.392G	-53.46	2.4G	-56.52	2.51982G	-50.64	24.48023G	-41.90	1
2462MHz	Pass	2.44192G	8.01	-21.99	2.30175G	-55.18	2.39432G	-53.85	2.4G	-55.35	2.5039G	-50.97	15.12158G	-42.08	2













Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	PK	295.78M	40.19	46.00	-5.81	3	Horizontal	0	1.00

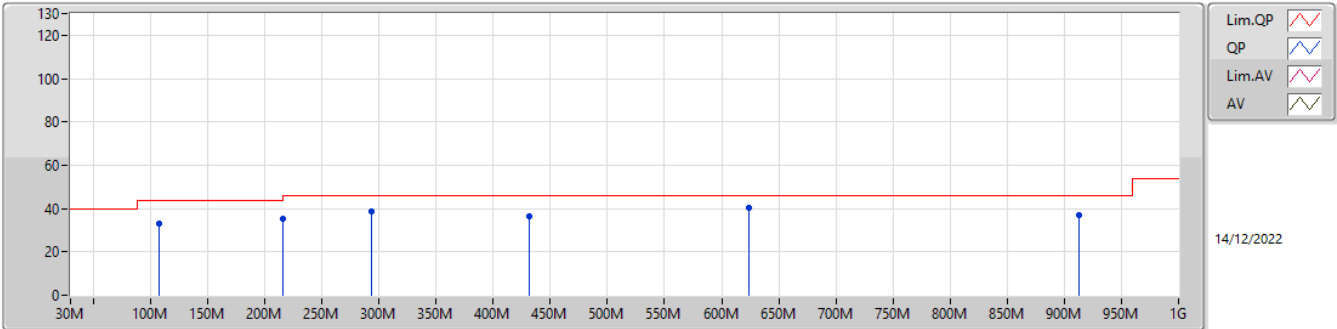


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	107.6M	32.82	43.50	-10.68	3	Vertical	360	1.00
2437MHz	Pass	PK	216.24M	35.43	46.00	-10.57	3	Vertical	360	1.00
2437MHz	Pass	PK	293.84M	38.86	46.00	-7.14	3	Vertical	360	1.00
2437MHz	Pass	PK	431.58M	36.65	46.00	-9.35	3	Vertical	360	1.00
2437MHz	Pass	PK	623.64M	40.12	46.00	-5.88	3	Vertical	360	1.00
2437MHz	Pass	PK	912.7M	37.12	46.00	-8.88	3	Vertical	360	1.00
2437MHz	Pass	PK	99.84M	35.96	43.50	-7.54	3	Horizontal	0	1.00
2437MHz	Pass	PK	295.78M	40.19	46.00	-5.81	3	Horizontal	0	1.00
2437MHz	Pass	PK	431.58M	40.17	46.00	-5.83	3	Horizontal	0	1.00
2437MHz	Pass	PK	553.8M	33.29	46.00	-12.71	3	Horizontal	0	1.00
2437MHz	Pass	PK	623.64M	38.51	46.00	-7.49	3	Horizontal	0	1.00
2437MHz	Pass	PK	815.7M	35.39	46.00	-10.61	3	Horizontal	0	1.00

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

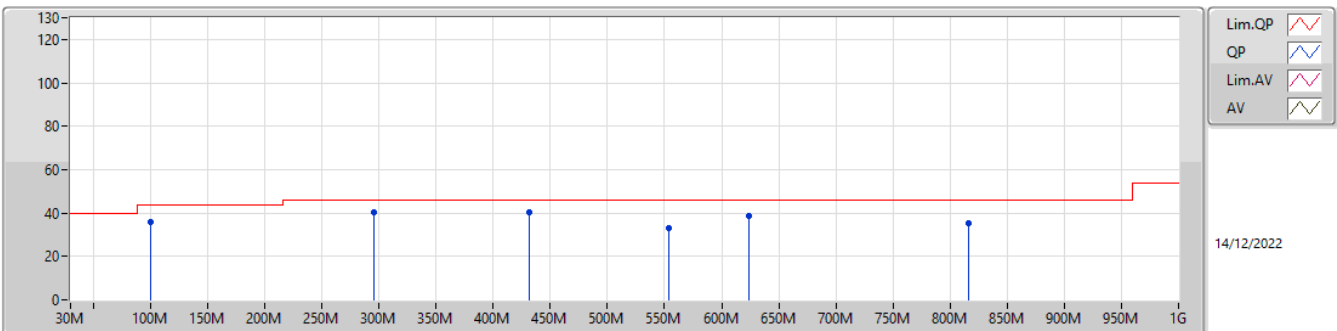
2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	107.6M	32.82	43.50	-10.68	-19.54	3	Vertical	360	1.00	52.36	15.97	1.12	36.63
PK	216.24M	35.43	46.00	-10.57	-20.54	3	Vertical	360	1.00	55.97	14.08	1.72	36.34
PK	293.84M	38.86	46.00	-7.14	-16.08	3	Vertical	360	1.00	54.94	18.29	2.05	36.42
PK	431.58M	36.65	46.00	-9.35	-12.29	3	Vertical	360	1.00	48.94	21.96	2.35	36.60
PK	623.64M	40.12	46.00	-5.88	-8.83	3	Vertical	360	1.00	48.95	25.37	2.93	37.13
PK	912.7M	37.12	46.00	-8.88	-5.51	3	Vertical	360	1.00	42.63	28.51	3.52	37.54

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

2437MHz_Adapter



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	99.84M	35.96	43.50	-7.54	-20.32	3	Horizontal	0	1.00	56.28	15.21	1.11	36.64
PK	295.78M	40.19	46.00	-5.81	-16.03	3	Horizontal	0	1.00	56.22	18.33	2.06	36.42
PK	431.58M	40.17	46.00	-5.83	-12.29	3	Horizontal	0	1.00	52.46	21.96	2.35	36.60
PK	553.8M	33.29	46.00	-12.71	-9.59	3	Horizontal	0	1.00	42.88	24.90	2.64	37.13
PK	623.64M	38.51	46.00	-7.49	-8.83	3	Horizontal	0	1.00	47.34	25.37	2.93	37.13
PK	815.7M	35.39	46.00	-10.61	-6.92	3	Horizontal	0	1.00	42.31	27.22	3.38	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)_2TX	Pass	AV	4.874G	50.91	54.00	-3.09	3	Horizontal	22	1.85
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.39G	50.89	54.00	-3.11	3	Vertical	305	1.38
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	AV	2.4836G	50.89	54.00	-3.11	3	Vertical	301	1.50



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3872G	46.79	54.00	-7.21	3	Vertical	41	3.00
2412MHz	Pass	AV	2.4128G	97.36	Inf	-Inf	3	Vertical	41	3.00
2412MHz	Pass	PK	2.39G	60.39	74.00	-13.61	3	Vertical	41	3.00
2412MHz	Pass	PK	2.413G	99.84	Inf	-Inf	3	Vertical	41	3.00
2412MHz	Pass	AV	2.3892G	46.59	54.00	-7.41	3	Horizontal	33	1.48
2412MHz	Pass	AV	2.4128G	96.43	Inf	-Inf	3	Horizontal	33	1.48
2412MHz	Pass	PK	2.3858G	59.39	74.00	-14.61	3	Horizontal	33	1.48
2412MHz	Pass	PK	2.4128G	99.52	Inf	-Inf	3	Horizontal	33	1.48
2412MHz	Pass	AV	4.824G	47.55	54.00	-6.45	3	Vertical	231	2.00
2412MHz	Pass	PK	4.82404G	51.54	74.00	-22.46	3	Vertical	231	2.00
2412MHz	Pass	AV	4.824G	50.61	54.00	-3.39	3	Horizontal	12	1.46
2412MHz	Pass	PK	4.824G	53.99	74.00	-20.01	3	Horizontal	12	1.46
2417MHz	Pass	AV	2.3892G	46.59	54.00	-7.41	3	Vertical	42	2.98
2417MHz	Pass	AV	2.4178G	98.05	Inf	-Inf	3	Vertical	42	2.98
2417MHz	Pass	PK	2.3788G	59.76	74.00	-14.24	3	Vertical	42	2.98
2417MHz	Pass	PK	2.4178G	100.61	Inf	-Inf	3	Vertical	42	2.98
2417MHz	Pass	AV	2.3892G	46.59	54.00	-7.41	3	Horizontal	33	1.47
2417MHz	Pass	AV	2.4178G	96.96	Inf	-Inf	3	Horizontal	33	1.47
2417MHz	Pass	PK	2.389G	59.39	74.00	-14.61	3	Horizontal	33	1.47
2417MHz	Pass	PK	2.4162G	100.19	Inf	-Inf	3	Horizontal	33	1.47
2417MHz	Pass	AV	4.83398G	46.97	54.00	-7.03	3	Vertical	233	2.32
2417MHz	Pass	PK	4.83402G	51.36	74.00	-22.64	3	Vertical	233	2.32
2417MHz	Pass	AV	4.834G	50.85	54.00	-3.15	3	Horizontal	11	1.50
2417MHz	Pass	PK	4.83402G	53.94	74.00	-20.06	3	Horizontal	11	1.50
2437MHz	Pass	AV	2.3894G	46.59	54.00	-7.41	3	Vertical	42	2.62
2437MHz	Pass	AV	2.4378G	99.49	Inf	-Inf	3	Vertical	42	2.62
2437MHz	Pass	AV	2.4994G	47.67	54.00	-6.33	3	Vertical	42	2.62
2437MHz	Pass	PK	2.3898G	61.41	74.00	-12.59	3	Vertical	42	2.62
2437MHz	Pass	PK	2.4378G	101.92	Inf	-Inf	3	Vertical	42	2.62
2437MHz	Pass	PK	2.4882G	64.30	74.00	-9.70	3	Vertical	42	2.62
2437MHz	Pass	AV	2.3894G	46.59	54.00	-7.41	3	Horizontal	49	1.22
2437MHz	Pass	AV	2.4378G	99.81	Inf	-Inf	3	Horizontal	49	1.22
2437MHz	Pass	AV	2.4922G	47.84	54.00	-6.16	3	Horizontal	49	1.22
2437MHz	Pass	PK	2.3406G	59.21	74.00	-14.79	3	Horizontal	49	1.22
2437MHz	Pass	PK	2.437G	102.55	Inf	-Inf	3	Horizontal	49	1.22
2437MHz	Pass	PK	2.495G	65.50	74.00	-8.50	3	Horizontal	49	1.22
2437MHz	Pass	AV	4.87402G	48.65	54.00	-5.35	3	Vertical	231	2.26
2437MHz	Pass	PK	4.87402G	52.72	74.00	-21.28	3	Vertical	231	2.26
2437MHz	Pass	AV	4.874G	50.91	54.00	-3.09	3	Horizontal	22	1.85
2437MHz	Pass	PK	4.87406G	54.18	74.00	-19.82	3	Horizontal	22	1.85
2462MHz	Pass	AV	2.4628G	99.85	Inf	-Inf	3	Vertical	85	2.65
2462MHz	Pass	AV	2.4835G	48.23	54.00	-5.77	3	Vertical	85	2.65
2462MHz	Pass	PK	2.4628G	102.25	Inf	-Inf	3	Vertical	85	2.65
2462MHz	Pass	PK	2.4994G	63.74	74.00	-10.26	3	Vertical	85	2.65
2462MHz	Pass	AV	2.4628G	101.10	Inf	-Inf	3	Horizontal	60	1.32
2462MHz	Pass	AV	2.4835G	48.23	54.00	-5.77	3	Horizontal	60	1.32
2462MHz	Pass	PK	2.4628G	104.10	Inf	-Inf	3	Horizontal	60	1.32
2462MHz	Pass	PK	2.4906G	67.38	74.00	-6.62	3	Horizontal	60	1.32
2462MHz	Pass	AV	4.92402G	44.78	54.00	-9.22	3	Vertical	35	1.60
2462MHz	Pass	PK	4.92418G	50.14	74.00	-23.86	3	Vertical	35	1.60
2462MHz	Pass	AV	4.924G	50.75	54.00	-3.25	3	Horizontal	16	1.18
2462MHz	Pass	PK	4.92406G	54.03	74.00	-19.97	3	Horizontal	16	1.18
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.74	54.00	-3.26	3	Vertical	306	1.36
2412MHz	Pass	AV	2.4144G	99.15	Inf	-Inf	3	Vertical	306	1.36
2412MHz	Pass	PK	2.3892G	66.31	74.00	-7.69	3	Vertical	306	1.36
2412MHz	Pass	PK	2.4148G	108.39	Inf	-Inf	3	Vertical	306	1.36
2412MHz	Pass	AV	2.3898G	49.95	54.00	-4.05	3	Horizontal	33	1.89
2412MHz	Pass	AV	2.4134G	98.36	Inf	-Inf	3	Horizontal	33	1.89
2412MHz	Pass	PK	2.39G	65.15	74.00	-8.85	3	Horizontal	33	1.89



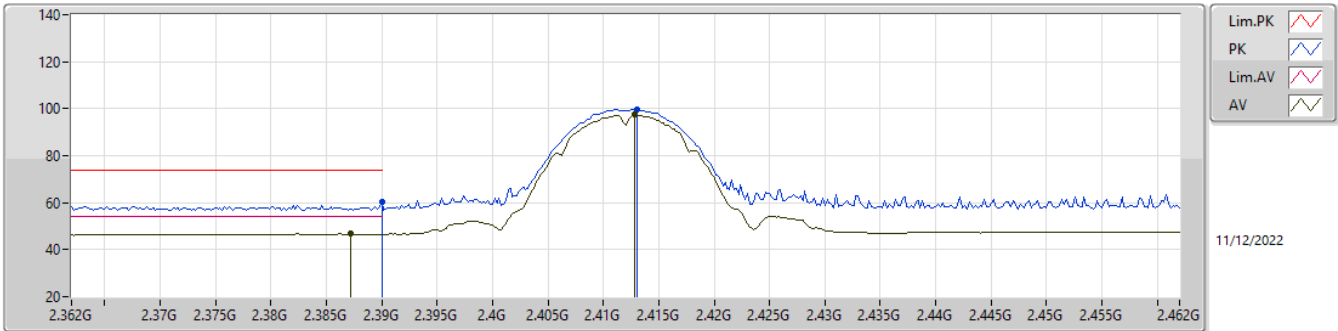
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2412MHz	Pass	PK	2.4132G	106.83	Inf	-Inf	3	Horizontal	33	1.89
2412MHz	Pass	AV	4.82652G	38.93	54.00	-15.07	3	Vertical	56	1.99
2412MHz	Pass	PK	4.82612G	52.34	74.00	-21.66	3	Vertical	56	1.99
2412MHz	Pass	AV	4.8248G	43.82	54.00	-10.18	3	Horizontal	11	1.51
2412MHz	Pass	PK	4.82492G	56.55	74.00	-17.45	3	Horizontal	11	1.51
2417MHz	Pass	AV	2.39G	50.89	54.00	-3.11	3	Vertical	305	1.38
2417MHz	Pass	AV	2.4194G	101.69	Inf	-Inf	3	Vertical	305	1.38
2417MHz	Pass	PK	2.3898G	69.16	74.00	-4.84	3	Vertical	305	1.38
2417MHz	Pass	PK	2.4202G	110.48	Inf	-Inf	3	Vertical	305	1.38
2417MHz	Pass	AV	2.3892G	49.78	54.00	-4.22	3	Horizontal	34	2.74
2417MHz	Pass	AV	2.4164G	100.93	Inf	-Inf	3	Horizontal	34	2.74
2417MHz	Pass	PK	2.3892G	64.15	74.00	-9.85	3	Horizontal	34	2.74
2417MHz	Pass	PK	2.4164G	109.37	Inf	-Inf	3	Horizontal	34	2.74
2437MHz	Pass	AV	2.3886G	48.89	54.00	-5.11	3	Vertical	303	1.58
2437MHz	Pass	AV	2.4374G	104.30	Inf	-Inf	3	Vertical	303	1.58
2437MHz	Pass	AV	2.4842G	50.57	54.00	-3.43	3	Vertical	303	1.58
2437MHz	Pass	PK	2.3882G	60.93	74.00	-13.07	3	Vertical	303	1.58
2437MHz	Pass	PK	2.4382G	113.13	Inf	-Inf	3	Vertical	303	1.58
2437MHz	Pass	PK	2.4838G	62.48	74.00	-11.52	3	Vertical	303	1.58
2437MHz	Pass	AV	2.3898G	48.91	54.00	-5.09	3	Horizontal	33	2.21
2437MHz	Pass	AV	2.4362G	102.48	Inf	-Inf	3	Horizontal	33	2.21
2437MHz	Pass	AV	2.4846G	50.57	54.00	-3.43	3	Horizontal	33	2.21
2437MHz	Pass	PK	2.3882G	60.61	74.00	-13.39	3	Horizontal	33	2.21
2437MHz	Pass	PK	2.4362G	110.67	Inf	-Inf	3	Horizontal	33	2.21
2437MHz	Pass	PK	2.4866G	62.46	74.00	-11.54	3	Horizontal	33	2.21
2437MHz	Pass	AV	4.87598G	45.58	54.00	-8.42	3	Vertical	70	2.06
2437MHz	Pass	PK	4.87556G	59.82	74.00	-14.18	3	Vertical	70	2.06
2437MHz	Pass	AV	4.87112G	44.92	54.00	-9.08	3	Horizontal	10	1.69
2437MHz	Pass	PK	4.87442G	57.07	74.00	-16.93	3	Horizontal	10	1.69
2457MHz	Pass	AV	2.46G	100.71	Inf	-Inf	3	Vertical	319	1.50
2457MHz	Pass	AV	2.4835G	50.56	54.00	-3.44	3	Vertical	319	1.50
2457MHz	Pass	PK	2.4552G	109.51	Inf	-Inf	3	Vertical	319	1.50
2457MHz	Pass	PK	2.4842G	65.39	74.00	-8.61	3	Vertical	319	1.50
2457MHz	Pass	AV	2.4576G	100.18	Inf	-Inf	3	Horizontal	34	1.50
2457MHz	Pass	AV	2.4835G	49.85	54.00	-4.15	3	Horizontal	34	1.50
2457MHz	Pass	PK	2.4572G	108.87	Inf	-Inf	3	Horizontal	34	1.50
2457MHz	Pass	PK	2.4844G	64.55	74.00	-9.45	3	Horizontal	34	1.50
2462MHz	Pass	AV	2.4628G	99.56	Inf	-Inf	3	Vertical	301	1.50
2462MHz	Pass	AV	2.4835G	50.89	54.00	-3.11	3	Vertical	301	1.50
2462MHz	Pass	PK	2.4628G	107.71	Inf	-Inf	3	Vertical	301	1.50
2462MHz	Pass	PK	2.4835G	67.59	74.00	-6.41	3	Vertical	301	1.50
2462MHz	Pass	AV	2.4638G	98.63	Inf	-Inf	3	Horizontal	61	1.10
2462MHz	Pass	AV	2.4835G	50.89	54.00	-3.11	3	Horizontal	61	1.10
2462MHz	Pass	PK	2.464G	107.14	Inf	-Inf	3	Horizontal	61	1.10
2462MHz	Pass	PK	2.4836G	69.34	74.00	-4.66	3	Horizontal	61	1.10
2462MHz	Pass	AV	4.92172G	38.89	54.00	-15.11	3	Vertical	85	1.06
2462MHz	Pass	PK	4.9219G	51.54	74.00	-22.46	3	Vertical	85	1.06
2462MHz	Pass	AV	4.92124G	38.85	54.00	-15.15	3	Horizontal	360	2.23
2462MHz	Pass	PK	4.92112G	51.78	74.00	-22.22	3	Horizontal	360	2.23
802.11ax HEW20_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3884G	50.86	54.00	-3.14	3	Vertical	312	1.37
2412MHz	Pass	AV	2.4134G	98.88	Inf	-Inf	3	Vertical	312	1.37
2412MHz	Pass	PK	2.3888G	62.98	74.00	-11.02	3	Vertical	312	1.37
2412MHz	Pass	PK	2.4134G	109.91	Inf	-Inf	3	Vertical	312	1.37
2412MHz	Pass	AV	2.39G	50.28	54.00	-3.72	3	Horizontal	33	1.90
2412MHz	Pass	AV	2.4128G	97.40	Inf	-Inf	3	Horizontal	33	1.90
2412MHz	Pass	PK	2.3892G	63.31	74.00	-10.69	3	Horizontal	33	1.90
2412MHz	Pass	PK	2.413G	108.68	Inf	-Inf	3	Horizontal	33	1.90
2412MHz	Pass	AV	4.82496G	41.46	54.00	-12.54	3	Vertical	245	1.98
2412MHz	Pass	PK	4.82502G	52.25	74.00	-21.75	3	Vertical	245	1.98
2412MHz	Pass	AV	4.82442G	43.58	54.00	-10.42	3	Horizontal	12	1.69
2412MHz	Pass	PK	4.8195G	54.50	74.00	-19.50	3	Horizontal	12	1.69



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
2417MHz	Pass	AV	2.3884G	50.56	54.00	-3.44	3	Vertical	307	1.37
2417MHz	Pass	AV	2.4182G	101.51	Inf	-Inf	3	Vertical	307	1.37
2417MHz	Pass	PK	2.39G	63.39	74.00	-10.61	3	Vertical	307	1.37
2417MHz	Pass	PK	2.4182G	113.21	Inf	-Inf	3	Vertical	307	1.37
2417MHz	Pass	AV	2.39G	50.28	54.00	-3.72	3	Horizontal	35	2.74
2417MHz	Pass	AV	2.418G	100.43	Inf	-Inf	3	Horizontal	35	2.74
2417MHz	Pass	PK	2.3892G	61.83	74.00	-12.17	3	Horizontal	35	2.74
2417MHz	Pass	PK	2.4176G	110.83	Inf	-Inf	3	Horizontal	35	2.74
2437MHz	Pass	AV	2.3882G	48.70	54.00	-5.30	3	Vertical	304	1.28
2437MHz	Pass	AV	2.4358G	102.96	Inf	-Inf	3	Vertical	304	1.28
2437MHz	Pass	AV	2.4862G	50.75	54.00	-3.25	3	Vertical	304	1.28
2437MHz	Pass	PK	2.3886G	60.75	74.00	-13.25	3	Vertical	304	1.28
2437MHz	Pass	PK	2.4358G	113.19	Inf	-Inf	3	Vertical	304	1.28
2437MHz	Pass	PK	2.4835G	62.17	74.00	-11.83	3	Vertical	304	1.28
2437MHz	Pass	AV	2.3894G	48.72	54.00	-5.28	3	Horizontal	34	2.19
2437MHz	Pass	AV	2.4378G	101.34	Inf	-Inf	3	Horizontal	34	2.19
2437MHz	Pass	AV	2.4838G	50.39	54.00	-3.61	3	Horizontal	34	2.19
2437MHz	Pass	PK	2.3798G	60.28	74.00	-13.72	3	Horizontal	34	2.19
2437MHz	Pass	PK	2.4382G	111.94	Inf	-Inf	3	Horizontal	34	2.19
2437MHz	Pass	PK	2.4842G	61.39	74.00	-12.61	3	Horizontal	34	2.19
2437MHz	Pass	AV	4.87514G	43.25	54.00	-10.75	3	Vertical	66	2.08
2437MHz	Pass	PK	4.87982G	56.08	74.00	-17.92	3	Vertical	66	2.08
2437MHz	Pass	AV	4.8746G	43.52	54.00	-10.48	3	Horizontal	0	1.43
2437MHz	Pass	PK	4.87706G	53.66	74.00	-20.34	3	Horizontal	0	1.43
2457MHz	Pass	AV	2.456G	99.47	Inf	-Inf	3	Vertical	303	1.50
2457MHz	Pass	AV	2.4878G	50.07	54.00	-3.93	3	Vertical	303	1.50
2457MHz	Pass	PK	2.4612G	110.40	Inf	-Inf	3	Vertical	303	1.50
2457MHz	Pass	PK	2.4836G	63.57	74.00	-10.43	3	Vertical	303	1.50
2457MHz	Pass	AV	2.4566G	99.16	Inf	-Inf	3	Horizontal	60	1.07
2457MHz	Pass	AV	2.4835G	50.73	54.00	-3.27	3	Horizontal	60	1.07
2457MHz	Pass	PK	2.4562G	109.81	Inf	-Inf	3	Horizontal	60	1.07
2457MHz	Pass	PK	2.4836G	63.61	74.00	-10.39	3	Horizontal	60	1.07
2462MHz	Pass	AV	2.461G	98.15	Inf	-Inf	3	Vertical	301	1.50
2462MHz	Pass	AV	2.4836G	50.89	54.00	-3.11	3	Vertical	301	1.50
2462MHz	Pass	PK	2.4638G	108.68	Inf	-Inf	3	Vertical	301	1.50
2462MHz	Pass	PK	2.4835G	67.76	74.00	-6.24	3	Vertical	301	1.50
2462MHz	Pass	AV	2.4616G	97.72	Inf	-Inf	3	Horizontal	61	1.09
2462MHz	Pass	AV	2.4835G	50.89	54.00	-3.11	3	Horizontal	61	1.09
2462MHz	Pass	PK	2.4614G	108.93	Inf	-Inf	3	Horizontal	61	1.09
2462MHz	Pass	PK	2.4842G	68.27	74.00	-5.73	3	Horizontal	61	1.09
2462MHz	Pass	AV	4.92382G	38.80	54.00	-15.20	3	Vertical	279	2.19
2462MHz	Pass	PK	4.9261G	49.85	74.00	-24.15	3	Vertical	279	2.19
2462MHz	Pass	AV	4.92202G	38.73	54.00	-15.27	3	Horizontal	360	1.50
2462MHz	Pass	PK	4.92034G	49.57	74.00	-24.43	3	Horizontal	360	1.50

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

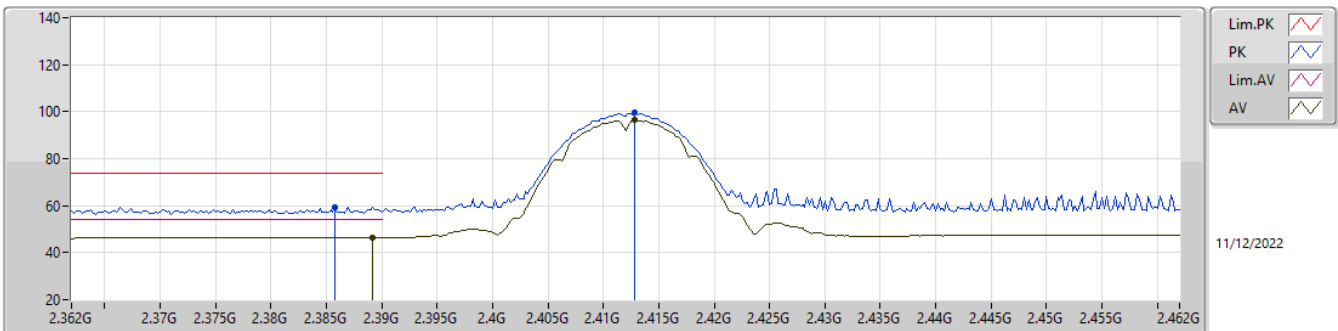
2412MHz_TX



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	46.79	54.00	-7.21	32.00	3	Vertical	41	3.00	14.79	27.52	4.48	-
AV	2.4128G	97.36	Inf	-Inf	32.10	3	Vertical	41	3.00	65.26	27.63	4.47	-
PK	2.39G	60.39	74.00	-13.61	32.02	3	Vertical	41	3.00	28.37	27.54	4.48	-
PK	2.413G	99.84	Inf	-Inf	32.10	3	Vertical	41	3.00	67.74	27.63	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

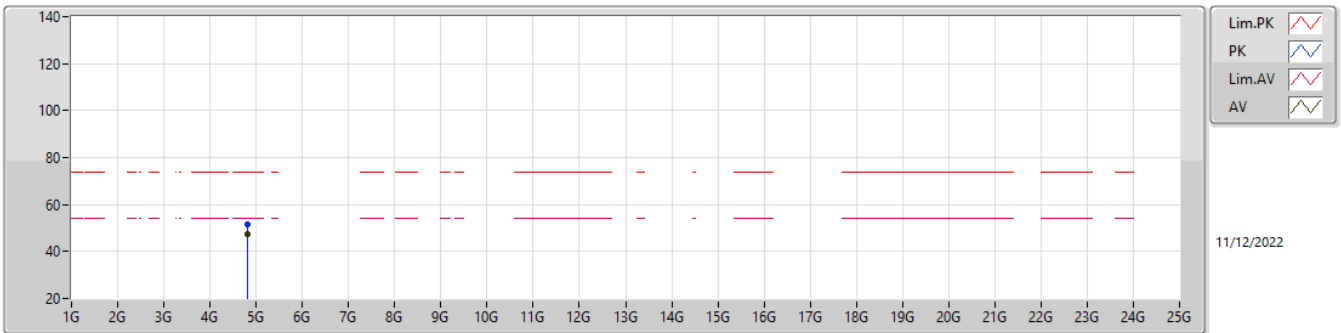
2412MHz_TX



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	2.3892G	46.59	54.00	-7.41	32.02	3	Horizontal	33	1.48	14.57	27.54	4.48	-
AV	2.4128G	96.43	Inf	-Inf	32.10	3	Horizontal	33	1.48	64.33	27.63	4.47	-
PK	2.3858G	59.39	74.00	-14.61	31.99	3	Horizontal	33	1.48	27.40	27.51	4.48	-
PK	2.4128G	99.52	Inf	-Inf	32.10	3	Horizontal	33	1.48	67.42	27.63	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

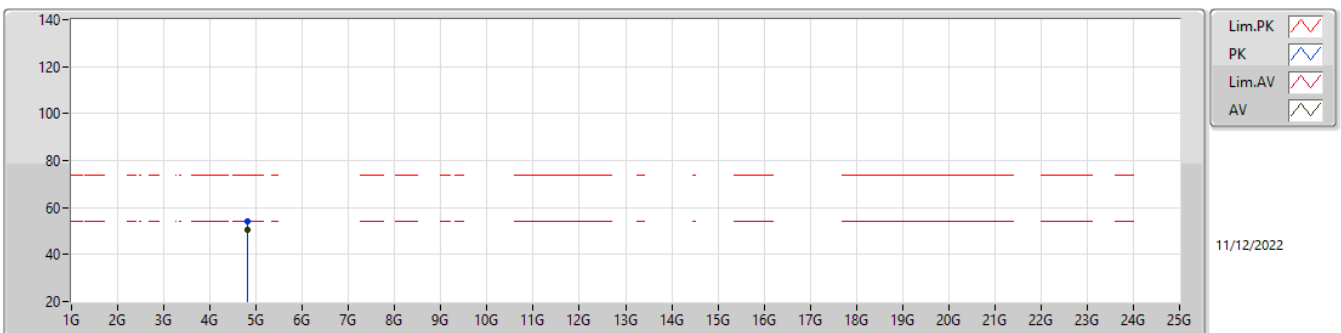
2412MHz_TX



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	47.55	54.00	-6.45	5.05	3	Vertical	231	2.00	42.50	32.44	6.90	34.29
PK	4.82404G	51.54	74.00	-22.46	5.05	3	Vertical	231	2.00	46.49	32.44	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

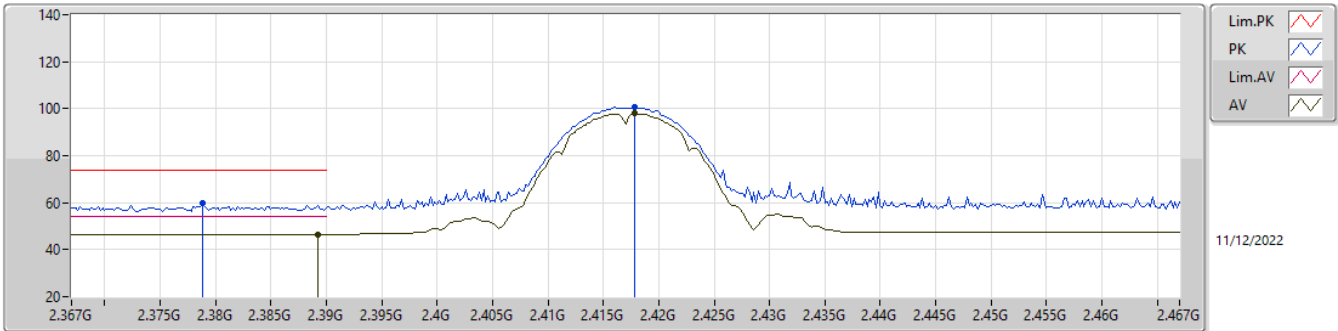
2412MHz_TX



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	50.61	54.00	-3.39	5.05	3	Horizontal	12	1.46	45.56	32.44	6.90	34.29
PK	4.824G	53.99	74.00	-20.01	5.05	3	Horizontal	12	1.46	48.94	32.44	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

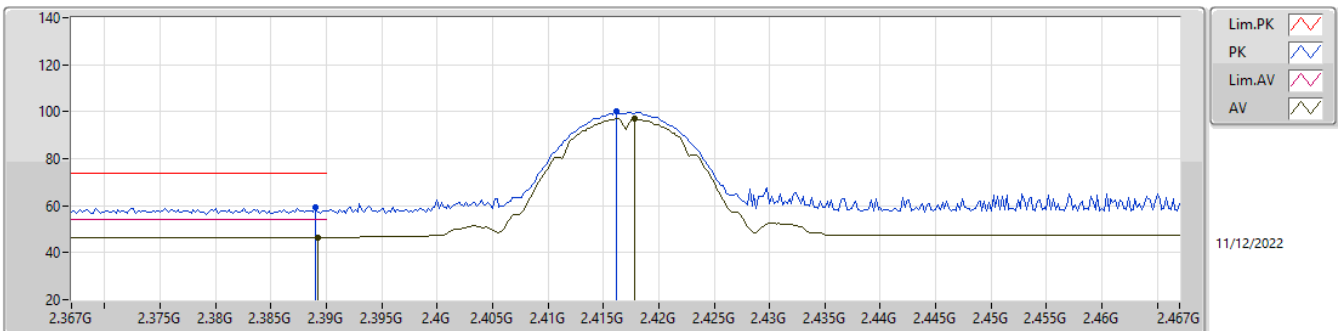
2417MHz_TX



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	46.59	54.00	-7.41	32.02	3	Vertical	42	2.98	14.57	27.54	4.48	-
AV	2.4178G	98.05	Inf	-Inf	32.11	3	Vertical	42	2.98	65.94	27.64	4.47	-
PK	2.3788G	59.76	74.00	-14.24	31.95	3	Vertical	42	2.98	27.81	27.47	4.48	-
PK	2.4178G	100.61	Inf	-Inf	32.11	3	Vertical	42	2.98	68.50	27.64	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

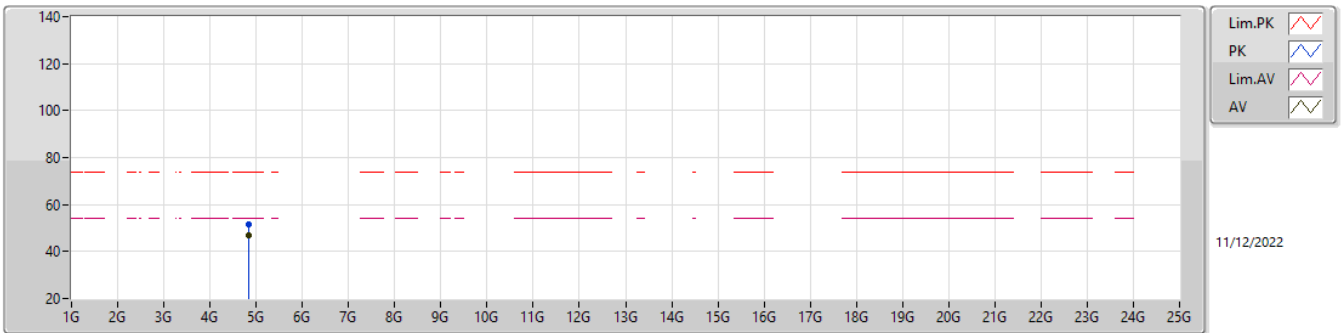
2417MHz_TX



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	46.59	54.00	-7.41	32.02	3	Horizontal	33	1.47	14.57	27.54	4.48	-
AV	2.4178G	96.96	Inf	-Inf	32.11	3	Horizontal	33	1.47	64.85	27.64	4.47	-
PK	2.389G	59.39	74.00	-14.61	32.01	3	Horizontal	33	1.47	27.38	27.53	4.48	-
PK	2.4162G	100.19	Inf	-Inf	32.10	3	Horizontal	33	1.47	68.09	27.63	4.47	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

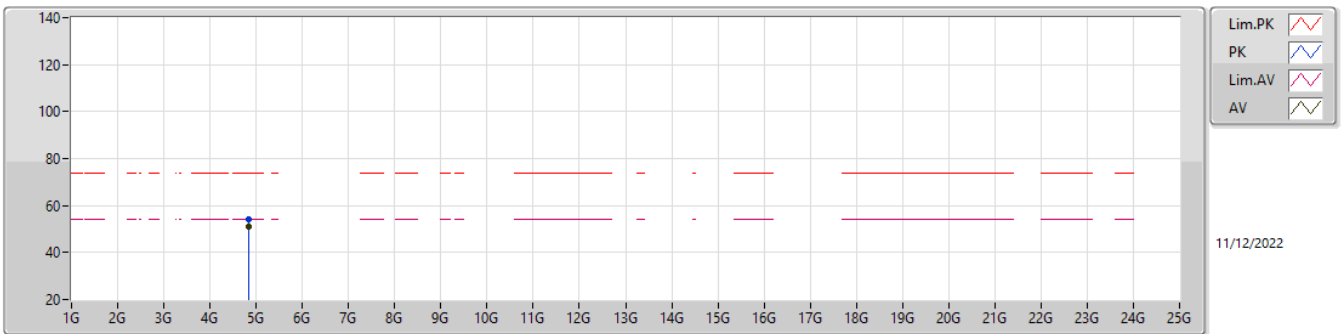
2417MHz_TX



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	4.83398G	46.97	54.00	-7.03	5.11	3	Vertical	233	2.32	41.86	32.50	6.90	34.29
PK	4.83402G	51.36	74.00	-22.64	5.11	3	Vertical	233	2.32	46.25	32.50	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

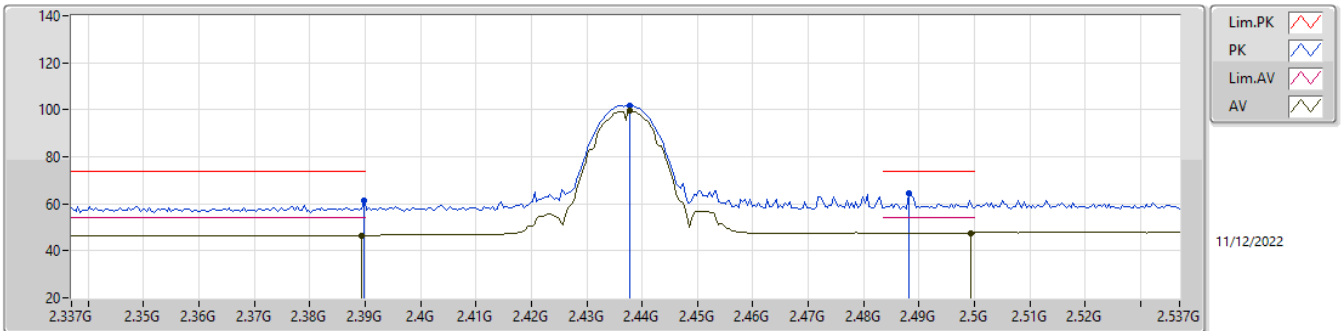
2417MHz_TX



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	4.834G	50.85	54.00	-3.15	5.11	3	Horizontal	11	1.50	45.74	32.50	6.90	34.29
PK	4.83402G	53.94	74.00	-20.06	5.11	3	Horizontal	11	1.50	48.83	32.50	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

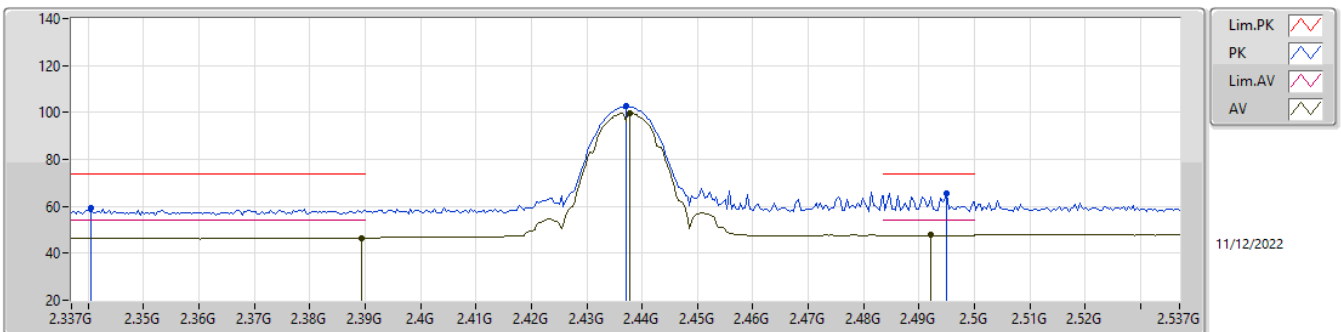
2437MHz_TX



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	2.3894G	46.59	54.00	-7.41	32.02	3	Vertical	42	2.62	14.57	27.54	4.48	-
AV	2.4378G	99.49	Inf	-Inf	32.16	3	Vertical	42	2.62	67.33	27.68	4.48	-
AV	2.4994G	47.67	54.00	-6.33	32.48	3	Vertical	42	2.62	15.19	28.00	4.48	-
PK	2.3898G	61.41	74.00	-12.59	32.02	3	Vertical	42	2.62	29.39	27.54	4.48	-
PK	2.4378G	101.92	Inf	-Inf	32.16	3	Vertical	42	2.62	69.76	27.68	4.48	-
PK	2.4882G	64.30	74.00	-9.70	32.41	3	Vertical	42	2.62	31.89	27.93	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

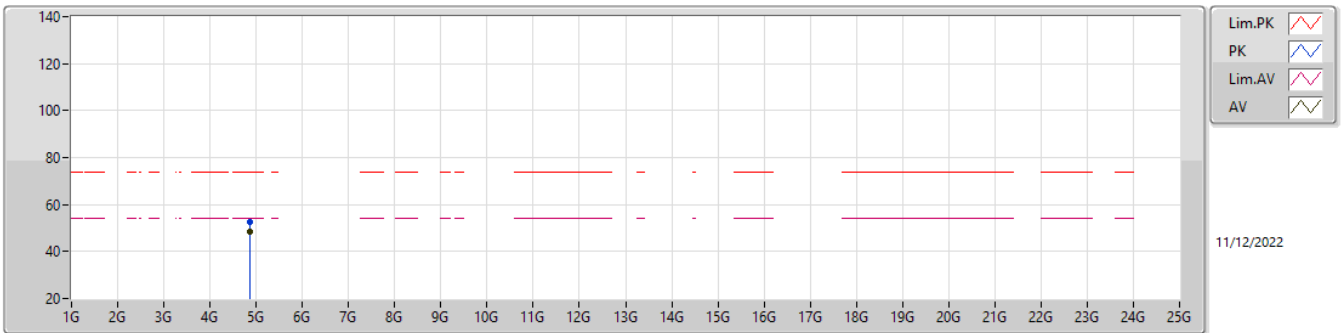
2437MHz_TX



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	2.3894G	46.59	54.00	-7.41	32.02	3	Horizontal	49	1.22	14.57	27.54	4.48	-
AV	2.4378G	99.81	Inf	-Inf	32.16	3	Horizontal	49	1.22	67.65	27.68	4.48	-
AV	2.4922G	47.84	54.00	-6.16	32.43	3	Horizontal	49	1.22	15.41	27.95	4.48	-
PK	2.3406G	59.21	74.00	-14.79	31.79	3	Horizontal	49	1.22	27.42	27.28	4.51	-
PK	2.437G	102.55	Inf	-Inf	32.15	3	Horizontal	49	1.22	70.40	27.67	4.48	-
PK	2.495G	65.50	74.00	-8.50	32.45	3	Horizontal	49	1.22	33.05	27.97	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

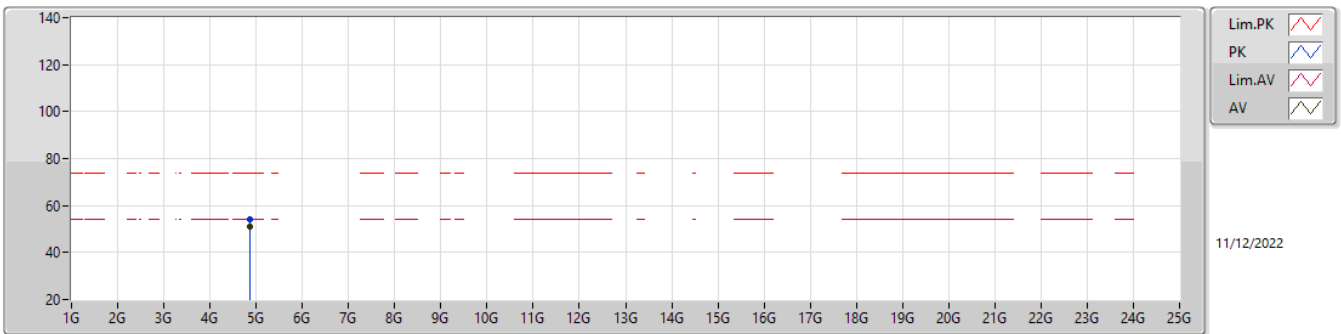
2437MHz_TX



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	48.65	54.00	-5.35	5.31	3	Vertical	231	2.26	43.34	32.70	6.90	34.29
PK	4.87402G	52.72	74.00	-21.28	5.31	3	Vertical	231	2.26	47.41	32.70	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

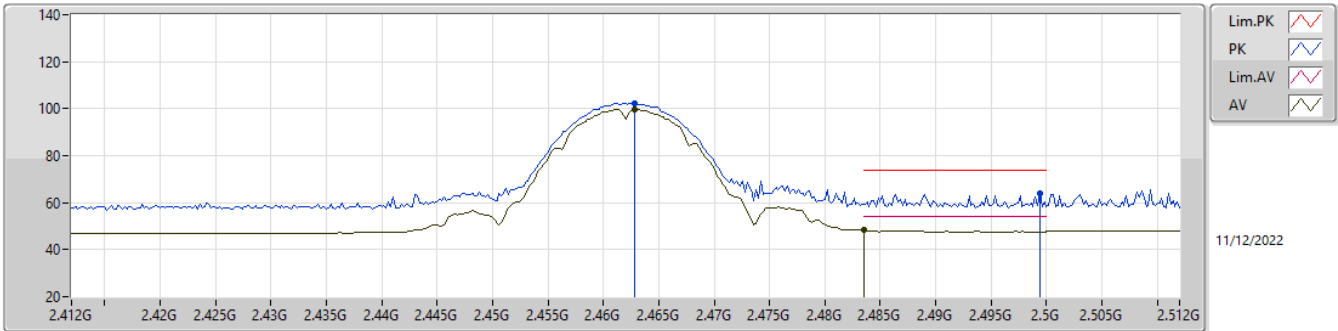
2437MHz_TX



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	4.874G	50.91	54.00	-3.09	5.31	3	Horizontal	22	1.85	45.60	32.70	6.90	34.29
PK	4.87406G	54.18	74.00	-19.82	5.31	3	Horizontal	22	1.85	48.87	32.70	6.90	34.29

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

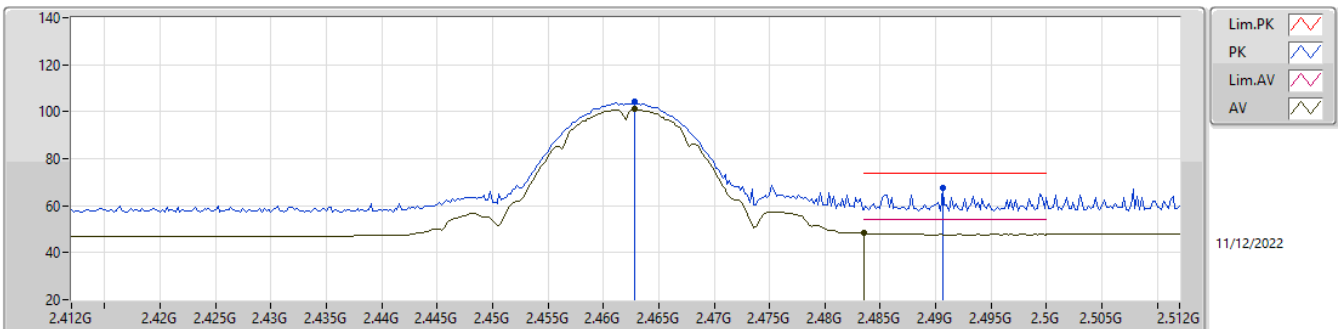
2462MHz_TX



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	99.85	Inf	-Inf	32.26	3	Vertical	85	2.65	67.59	27.78	4.48	-
AV	2.4835G	48.23	54.00	-5.77	32.38	3	Vertical	85	2.65	15.85	27.90	4.48	-
PK	2.4628G	102.25	Inf	-Inf	32.26	3	Vertical	85	2.65	69.99	27.78	4.48	-
PK	2.4994G	63.74	74.00	-10.26	32.48	3	Vertical	85	2.65	31.26	28.00	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

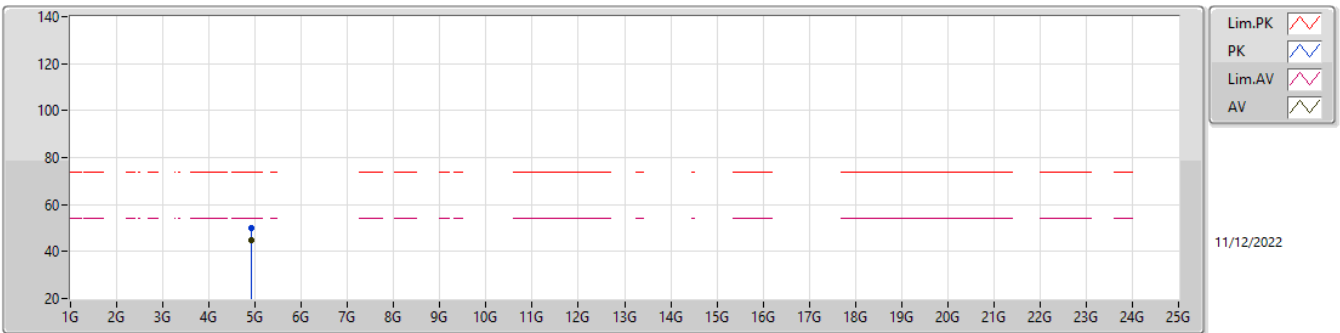
2462MHz_TX



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	101.10	Inf	-Inf	32.26	3	Horizontal	60	1.32	68.84	27.78	4.48	-
AV	2.4835G	48.23	54.00	-5.77	32.38	3	Horizontal	60	1.32	15.85	27.90	4.48	-
PK	2.4628G	104.10	Inf	-Inf	32.26	3	Horizontal	60	1.32	71.84	27.78	4.48	-
PK	2.4906G	67.38	74.00	-6.62	32.42	3	Horizontal	60	1.32	34.96	27.94	4.48	-

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

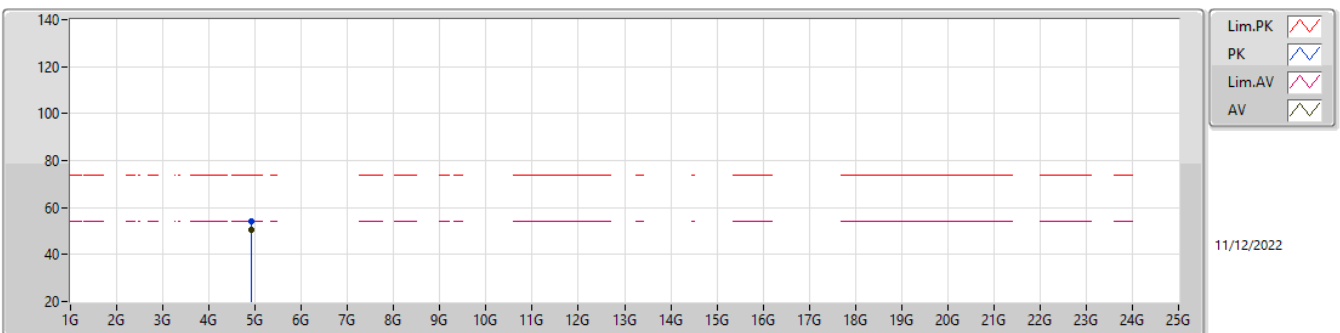
2462MHz_TX



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	4.92402G	44.78	54.00	-9.22	5.57	3	Vertical	35	1.60	39.21	32.94	6.91	34.28
PK	4.92418G	50.14	74.00	-23.86	5.58	3	Vertical	35	1.60	44.56	32.95	6.91	34.28

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX

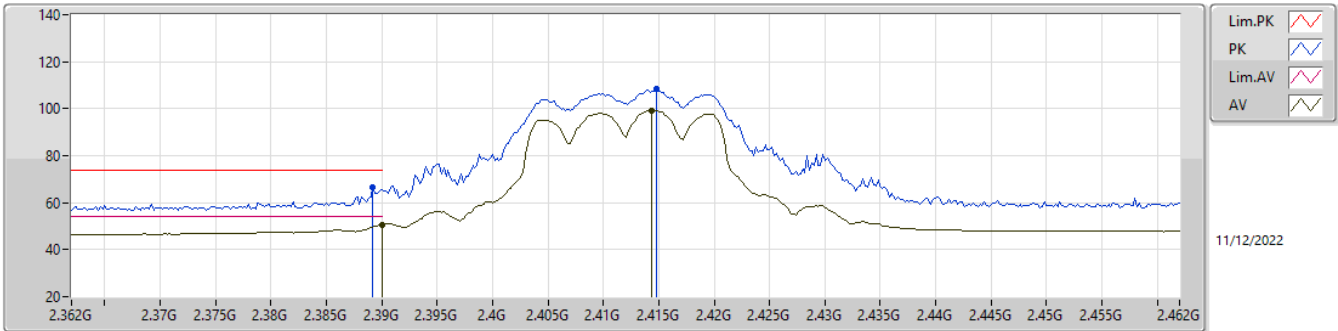
2462MHz_TX



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	50.75	54.00	-3.25	5.57	3	Horizontal	16	1.18	45.18	32.94	6.91	34.28
PK	4.92406G	54.03	74.00	-19.97	5.57	3	Horizontal	16	1.18	48.46	32.94	6.91	34.28

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

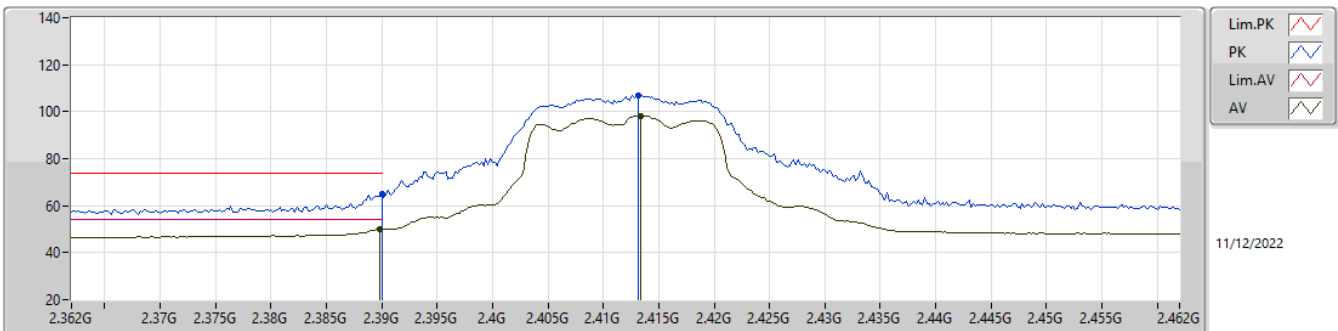
2412MHz_TX



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	50.74	54.00	-3.26	32.02	3	Vertical	306	1.36	18.72	27.54	4.48	-
AV	2.4144G	99.15	Inf	-Inf	32.10	3	Vertical	306	1.36	67.05	27.63	4.47	-
PK	2.3892G	66.31	74.00	-7.69	32.02	3	Vertical	306	1.36	34.29	27.54	4.48	-
PK	2.4148G	108.39	Inf	-Inf	32.10	3	Vertical	306	1.36	76.29	27.63	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

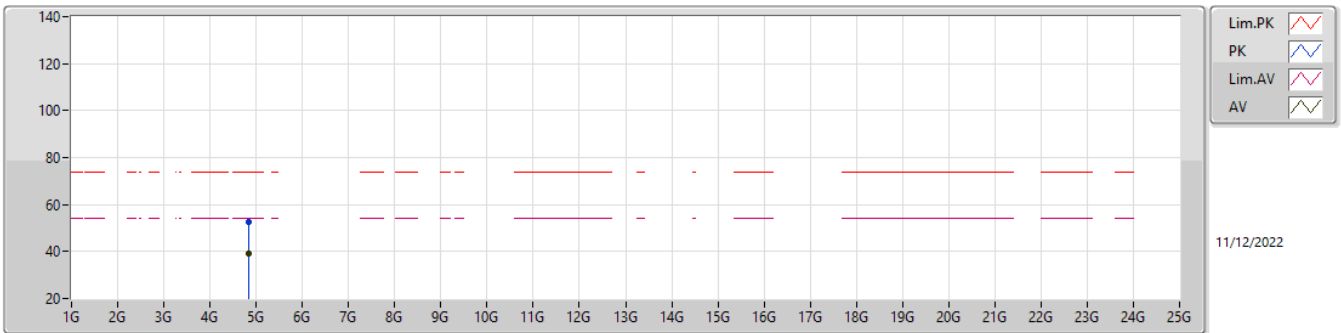
2412MHz_TX



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	49.95	54.00	-4.05	32.02	3	Horizontal	33	1.89	17.93	27.54	4.48	-
AV	2.4134G	98.36	Inf	-Inf	32.10	3	Horizontal	33	1.89	66.26	27.63	4.47	-
PK	2.39G	65.15	74.00	-8.85	32.02	3	Horizontal	33	1.89	33.13	27.54	4.48	-
PK	2.4132G	106.83	Inf	-Inf	32.10	3	Horizontal	33	1.89	74.73	27.63	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

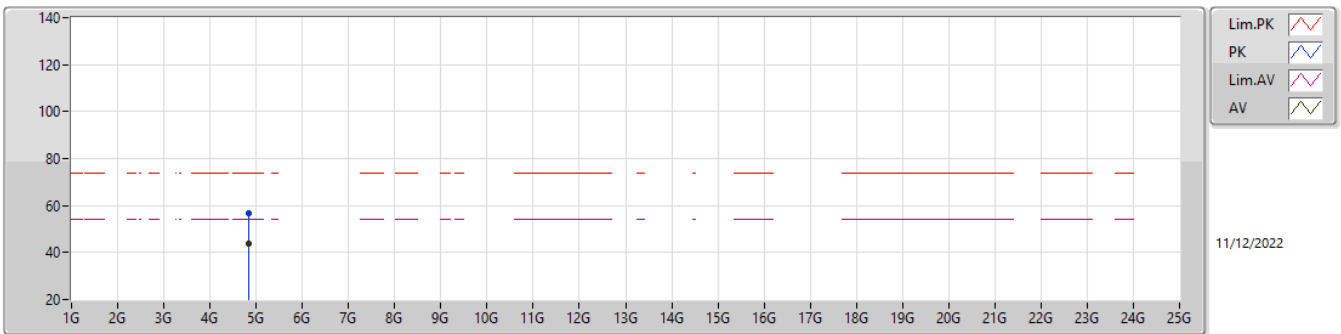
2412MHz_TX



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	4.82652G	38.93	54.00	-15.07	5.07	3	Vertical	56	1.99	33.86	32.46	6.90	34.29
PK	4.82612G	52.34	74.00	-21.66	5.07	3	Vertical	56	1.99	47.27	32.46	6.90	34.29

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

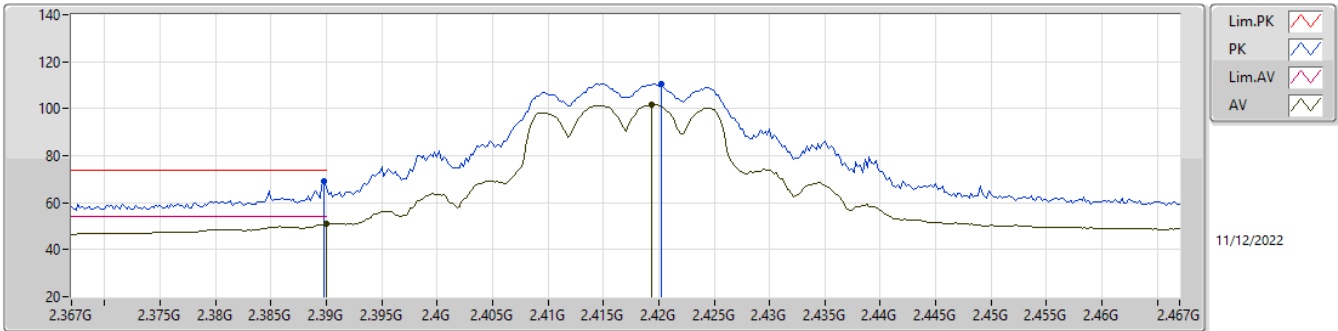
2412MHz_TX



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	4.8248G	43.82	54.00	-10.18	5.06	3	Horizontal	11	1.51	38.76	32.45	6.90	34.29
PK	4.82492G	56.55	74.00	-17.45	5.06	3	Horizontal	11	1.51	51.49	32.45	6.90	34.29

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

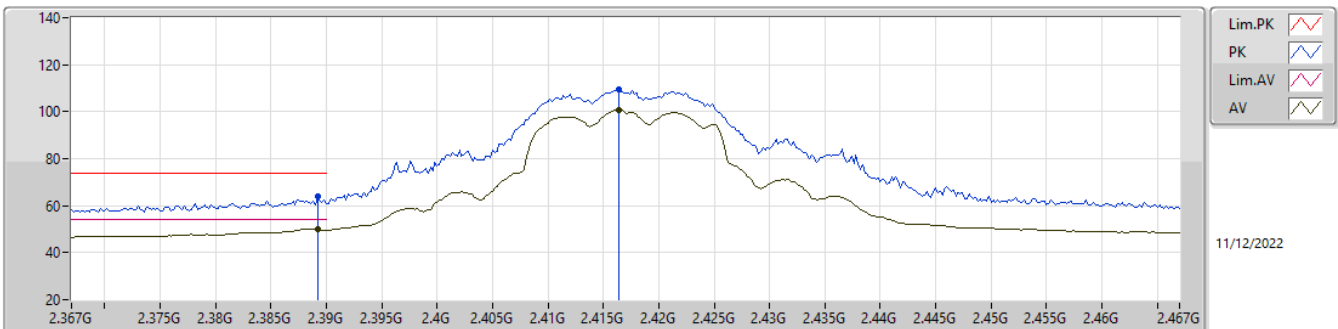
2417MHz_TX



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	50.89	54.00	-3.11	32.02	3	Vertical	305	1.38	18.87	27.54	4.48	-
AV	2.4194G	101.69	Inf	-Inf	32.11	3	Vertical	305	1.38	69.58	27.64	4.47	-
PK	2.3898G	69.16	74.00	-4.84	32.02	3	Vertical	305	1.38	37.14	27.54	4.48	-
PK	2.4202G	110.48	Inf	-Inf	32.11	3	Vertical	305	1.38	78.37	27.64	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

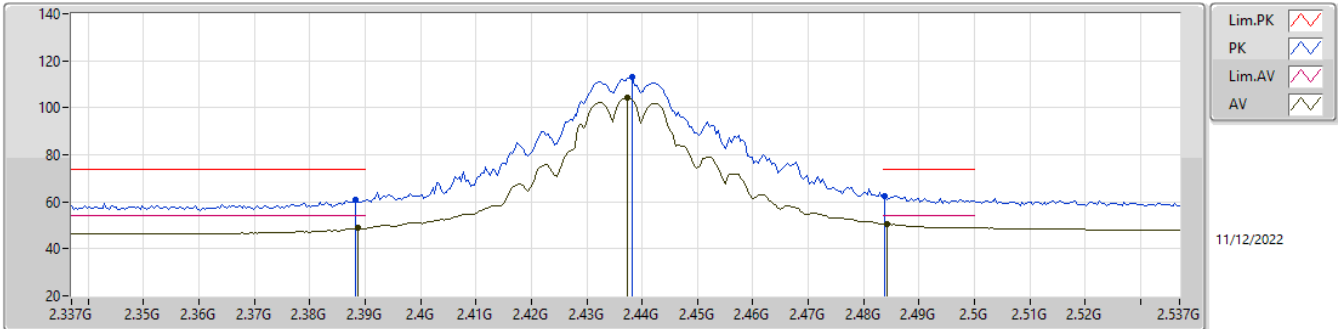
2417MHz_TX



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	49.78	54.00	-4.22	32.02	3	Horizontal	34	2.74	17.76	27.54	4.48	-
AV	2.4164G	100.93	Inf	-Inf	32.10	3	Horizontal	34	2.74	68.83	27.63	4.47	-
PK	2.3892G	64.15	74.00	-9.85	32.02	3	Horizontal	34	2.74	32.13	27.54	4.48	-
PK	2.4164G	109.37	Inf	-Inf	32.10	3	Horizontal	34	2.74	77.27	27.63	4.47	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

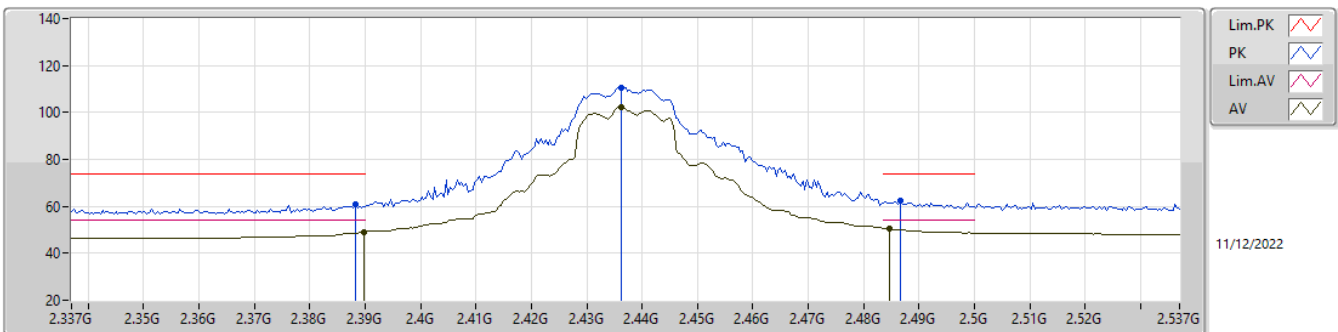
2437MHz_TX



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	2.3886G	48.89	54.00	-5.11	32.01	3	Vertical	303	1.58	16.88	27.53	4.48	-
AV	2.4374G	104.30	Inf	-Inf	32.15	3	Vertical	303	1.58	72.15	27.67	4.48	-
AV	2.4842G	50.57	54.00	-3.43	32.39	3	Vertical	303	1.58	18.18	27.91	4.48	-
PK	2.3882G	60.93	74.00	-13.07	32.01	3	Vertical	303	1.58	28.92	27.53	4.48	-
PK	2.4382G	113.13	Inf	-Inf	32.16	3	Vertical	303	1.58	80.97	27.68	4.48	-
PK	2.4838G	62.48	74.00	-11.52	32.38	3	Vertical	303	1.58	30.10	27.90	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

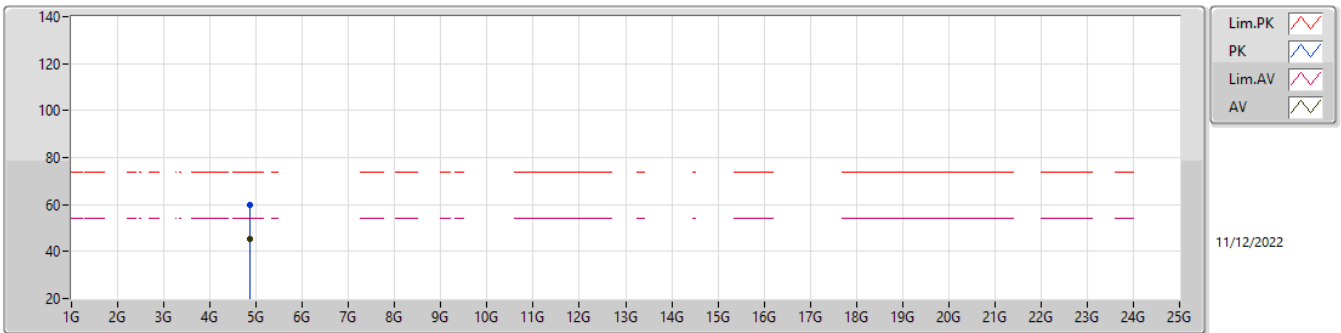
2437MHz_TX



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	48.91	54.00	-5.09	32.02	3	Horizontal	33	2.21	16.89	27.54	4.48	-
AV	2.4362G	102.48	Inf	-Inf	32.15	3	Horizontal	33	2.21	70.33	27.67	4.48	-
AV	2.4846G	50.57	54.00	-3.43	32.39	3	Horizontal	33	2.21	18.18	27.91	4.48	-
PK	2.3882G	60.61	74.00	-13.39	32.01	3	Horizontal	33	2.21	28.60	27.53	4.48	-
PK	2.4362G	110.67	Inf	-Inf	32.15	3	Horizontal	33	2.21	78.52	27.67	4.48	-
PK	2.4866G	62.46	74.00	-11.54	32.40	3	Horizontal	33	2.21	30.06	27.92	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

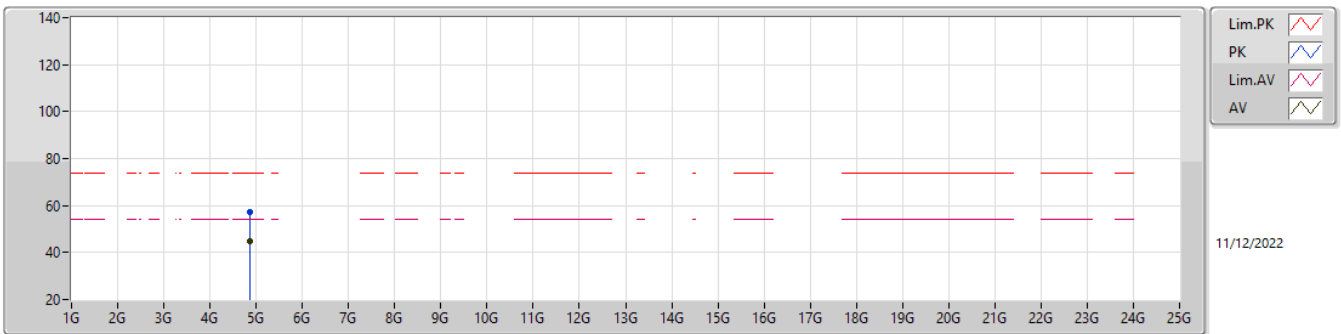
2437MHz_TX



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	4.87598G	45.58	54.00	-8.42	5.32	3	Vertical	70	2.06	40.26	32.70	6.90	34.28
PK	4.87556G	59.82	74.00	-14.18	5.32	3	Vertical	70	2.06	54.50	32.70	6.90	34.28

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

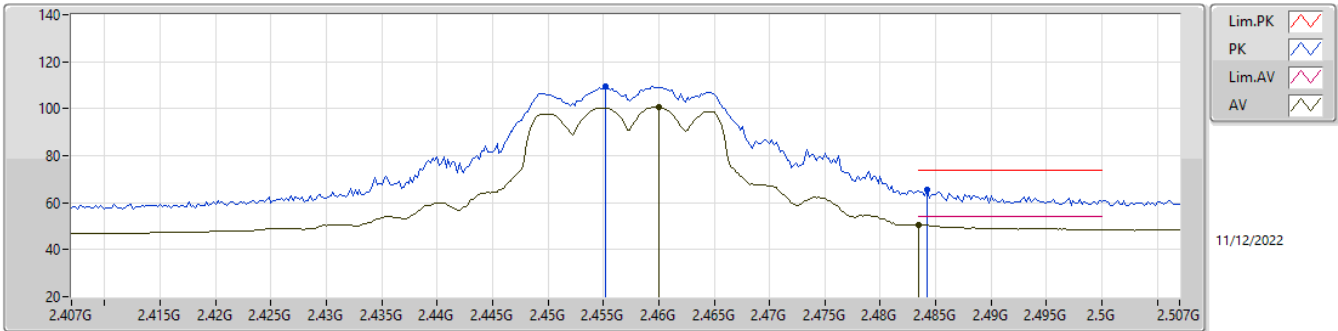
2437MHz_TX



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	4.87112G	44.92	54.00	-9.08	5.29	3	Horizontal	10	1.69	39.63	32.68	6.90	34.29
PK	4.87442G	57.07	74.00	-16.93	5.31	3	Horizontal	10	1.69	51.76	32.70	6.90	34.29

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

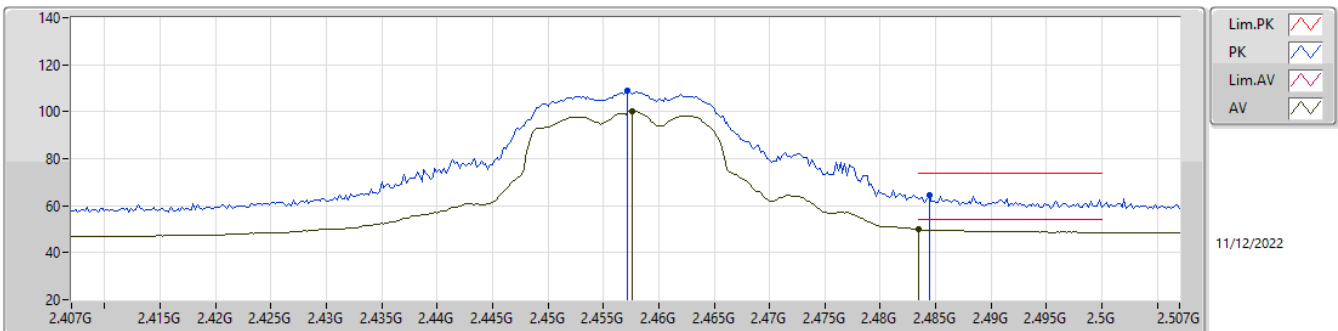
2457MHz_TX



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	2.46G	100.71	Inf	-Inf	32.24	3	Vertical	319	1.50	68.47	27.76	4.48	-
AV	2.4835G	50.56	54.00	-3.44	32.38	3	Vertical	319	1.50	18.18	27.90	4.48	-
PK	2.4552G	109.51	Inf	-Inf	32.21	3	Vertical	319	1.50	77.30	27.73	4.48	-
PK	2.4842G	65.39	74.00	-8.61	32.39	3	Vertical	319	1.50	33.00	27.91	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

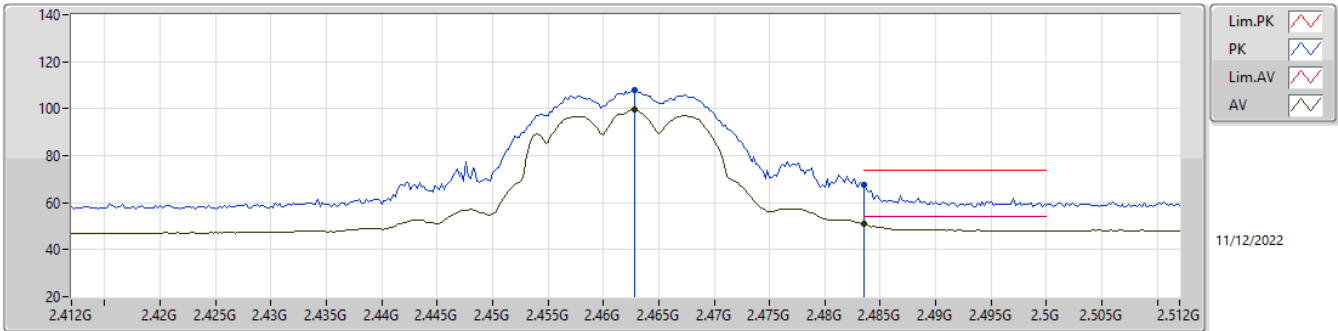
2457MHz_TX



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	2.4576G	100.18	Inf	-Inf	32.23	3	Horizontal	34	1.50	67.95	27.75	4.48	-
AV	2.4835G	49.85	54.00	-4.15	32.38	3	Horizontal	34	1.50	17.47	27.90	4.48	-
PK	2.4572G	108.87	Inf	-Inf	32.22	3	Horizontal	34	1.50	76.65	27.74	4.48	-
PK	2.4844G	64.55	74.00	-9.45	32.39	3	Horizontal	34	1.50	32.16	27.91	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

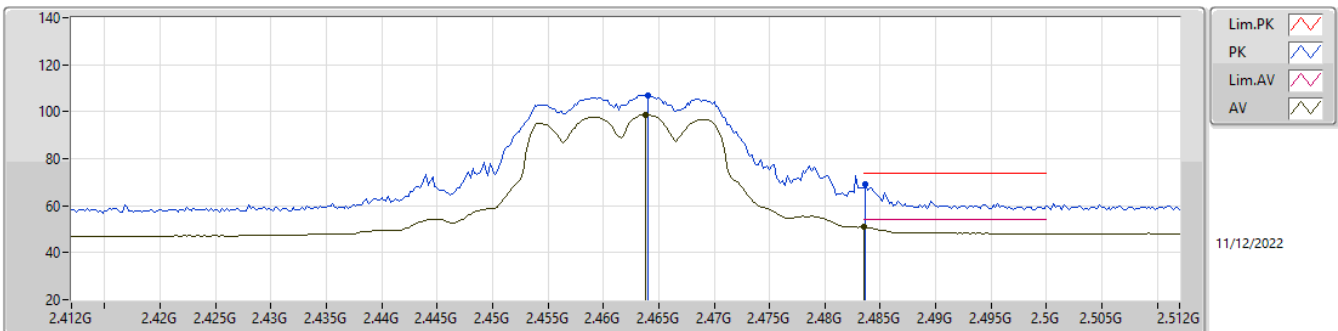
2462MHz_TX



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	99.56	Inf	-Inf	32.26	3	Vertical	301	1.50	67.30	27.78	4.48	-
AV	2.4835G	50.89	54.00	-3.11	32.38	3	Vertical	301	1.50	18.51	27.90	4.48	-
PK	2.4628G	107.71	Inf	-Inf	32.26	3	Vertical	301	1.50	75.45	27.78	4.48	-
PK	2.4835G	67.59	74.00	-6.41	32.38	3	Vertical	301	1.50	35.21	27.90	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

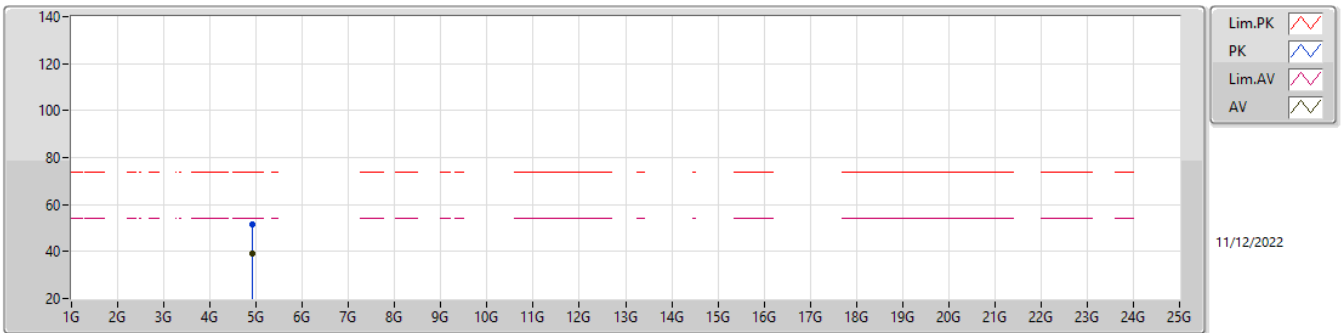
2462MHz_TX



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	2.4638G	98.63	Inf	-Inf	32.26	3	Horizontal	61	1.10	66.37	27.78	4.48	-
AV	2.4835G	50.89	54.00	-3.11	32.38	3	Horizontal	61	1.10	18.51	27.90	4.48	-
PK	2.464G	107.14	Inf	-Inf	32.26	3	Horizontal	61	1.10	74.88	27.78	4.48	-
PK	2.4836G	69.34	74.00	-4.66	32.38	3	Horizontal	61	1.10	36.96	27.90	4.48	-

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

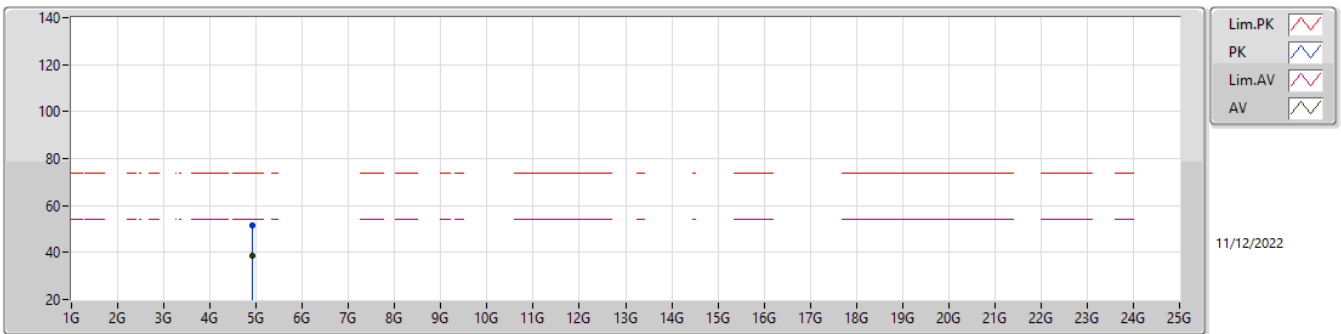
2462MHz_TX



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	4.92172G	38.89	54.00	-15.11	5.56	3	Vertical	85	1.06	33.33	32.93	6.91	34.28
PK	4.9219G	51.54	74.00	-22.46	5.56	3	Vertical	85	1.06	45.98	32.93	6.91	34.28

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

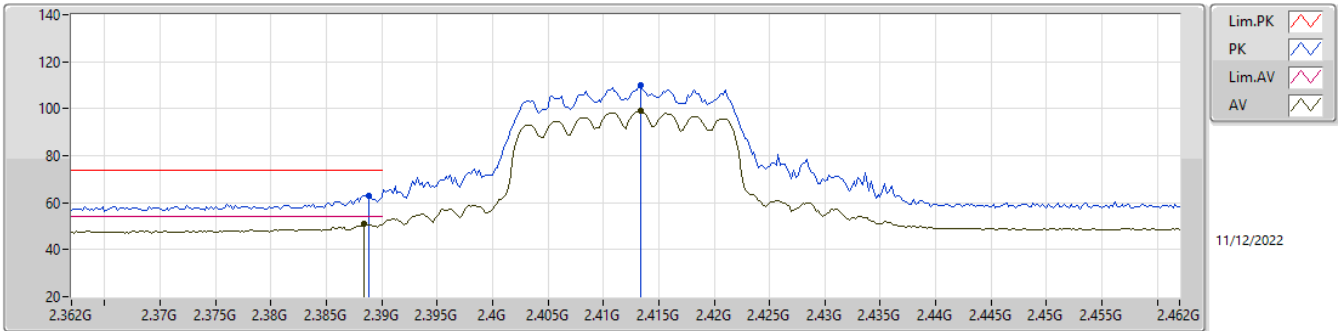
2462MHz_TX



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	4.92124G	38.85	54.00	-15.15	5.56	3	Horizontal	360	2.23	33.29	32.93	6.91	34.28
PK	4.92112G	51.78	74.00	-22.22	5.56	3	Horizontal	360	2.23	46.22	32.93	6.91	34.28

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

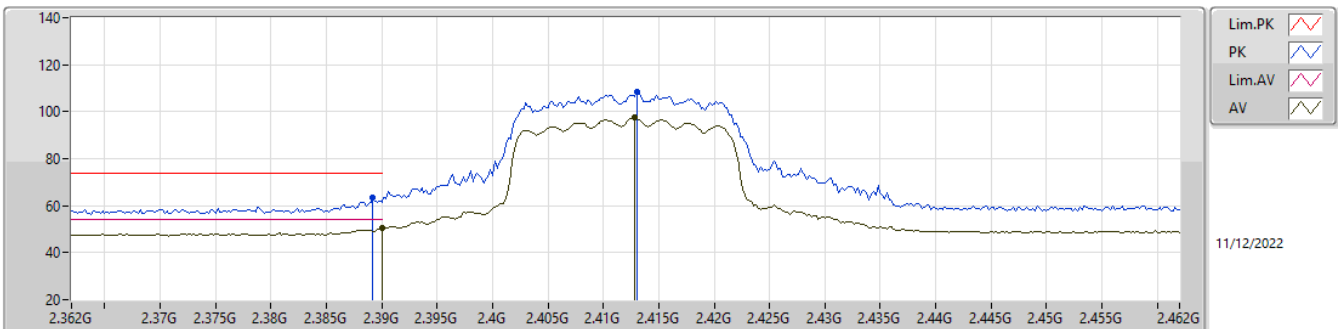
2412MHz_TX



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	2.3884G	50.86	54.00	-3.14	32.01	3	Vertical	312	1.37	18.85	27.53	4.48	-
AV	2.4134G	98.88	Inf	-Inf	32.10	3	Vertical	312	1.37	66.78	27.63	4.47	-
PK	2.3888G	62.98	74.00	-11.02	32.01	3	Vertical	312	1.37	30.97	27.53	4.48	-
PK	2.4134G	109.91	Inf	-Inf	32.10	3	Vertical	312	1.37	77.81	27.63	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

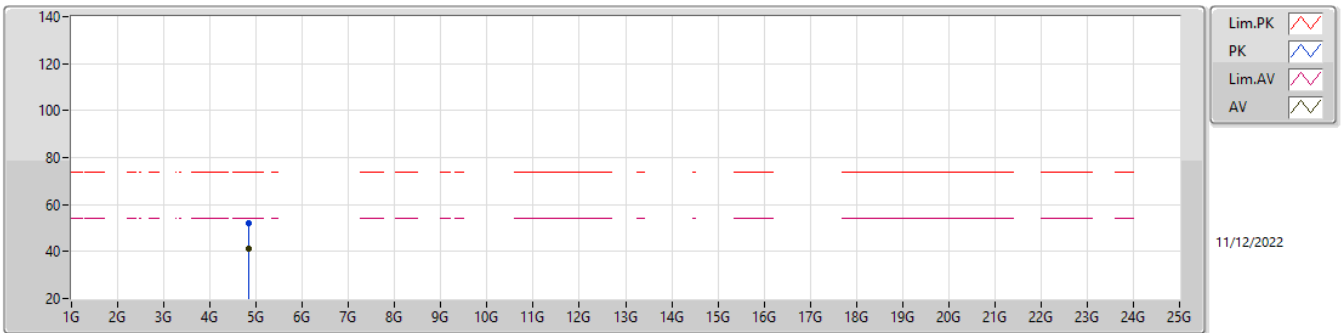
2412MHz_TX



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	50.28	54.00	-3.72	32.02	3	Horizontal	33	1.90	18.26	27.54	4.48	-
AV	2.4128G	97.40	Inf	-Inf	32.10	3	Horizontal	33	1.90	65.30	27.63	4.47	-
PK	2.3892G	63.31	74.00	-10.69	32.02	3	Horizontal	33	1.90	31.29	27.54	4.48	-
PK	2.413G	108.68	Inf	-Inf	32.10	3	Horizontal	33	1.90	76.58	27.63	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

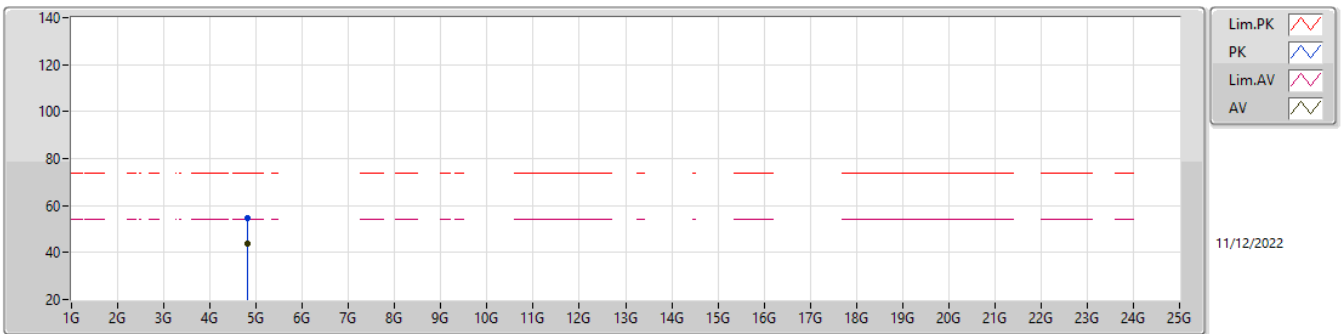
2412MHz_TX



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	4.82496G	41.46	54.00	-12.54	5.06	3	Vertical	245	1.98	36.40	32.45	6.90	34.29
PK	4.82502G	52.25	74.00	-21.75	5.06	3	Vertical	245	1.98	47.19	32.45	6.90	34.29

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

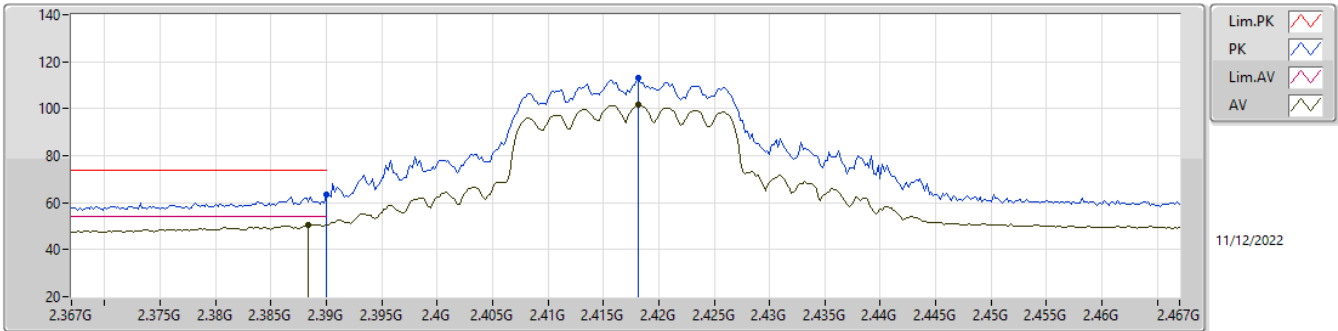
2412MHz_TX



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	4.82442G	43.58	54.00	-10.42	5.06	3	Horizontal	12	1.69	38.52	32.45	6.90	34.29
PK	4.8195G	54.50	74.00	-19.50	5.03	3	Horizontal	12	1.69	49.47	32.42	6.90	34.29

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

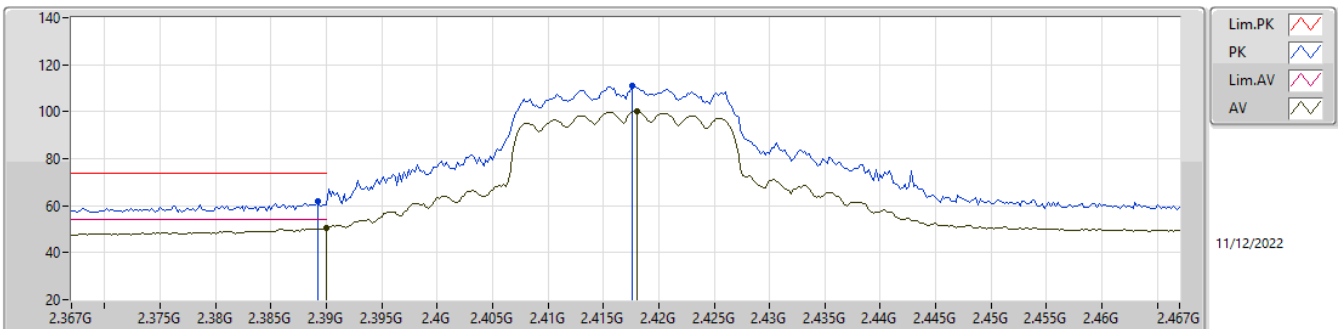
2417MHz_TX



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	2.3884G	50.56	54.00	-3.44	32.01	3	Vertical	307	1.37	18.55	27.53	4.48	-
AV	2.4182G	101.51	Inf	-Inf	32.11	3	Vertical	307	1.37	69.40	27.64	4.47	-
PK	2.39G	63.39	74.00	-10.61	32.02	3	Vertical	307	1.37	31.37	27.54	4.48	-
PK	2.4182G	113.21	Inf	-Inf	32.11	3	Vertical	307	1.37	81.10	27.64	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

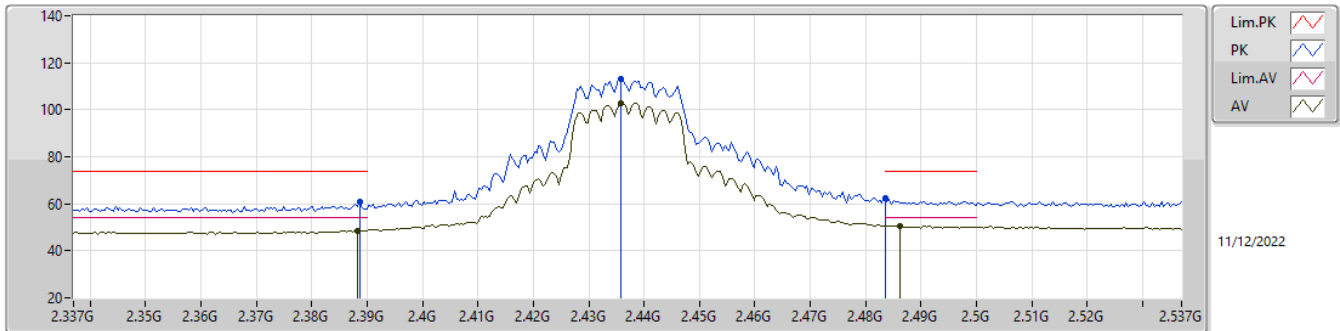
2417MHz_TX



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	50.28	54.00	-3.72	32.02	3	Horizontal	35	2.74	18.26	27.54	4.48	-
AV	2.418G	100.43	Inf	-Inf	32.11	3	Horizontal	35	2.74	68.32	27.64	4.47	-
PK	2.3892G	61.83	74.00	-12.17	32.02	3	Horizontal	35	2.74	29.81	27.54	4.48	-
PK	2.4176G	110.83	Inf	-Inf	32.11	3	Horizontal	35	2.74	78.72	27.64	4.47	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

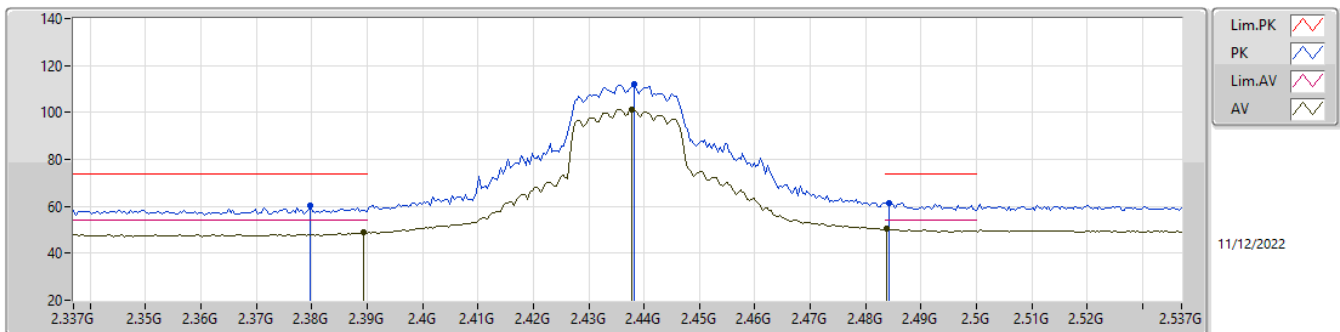
2437MHz_TX



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	2.3882G	48.70	54.00	-5.30	32.01	3	Vertical	304	1.28	16.69	27.53	4.48	-
AV	2.4358G	102.96	Inf	-Inf	32.15	3	Vertical	304	1.28	70.81	27.67	4.48	-
AV	2.4862G	50.75	54.00	-3.25	32.40	3	Vertical	304	1.28	18.35	27.92	4.48	-
PK	2.3886G	60.75	74.00	-13.25	32.01	3	Vertical	304	1.28	28.74	27.53	4.48	-
PK	2.4358G	113.19	Inf	-Inf	32.15	3	Vertical	304	1.28	81.04	27.67	4.48	-
PK	2.4835G	62.17	74.00	-11.83	32.38	3	Vertical	304	1.28	29.79	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

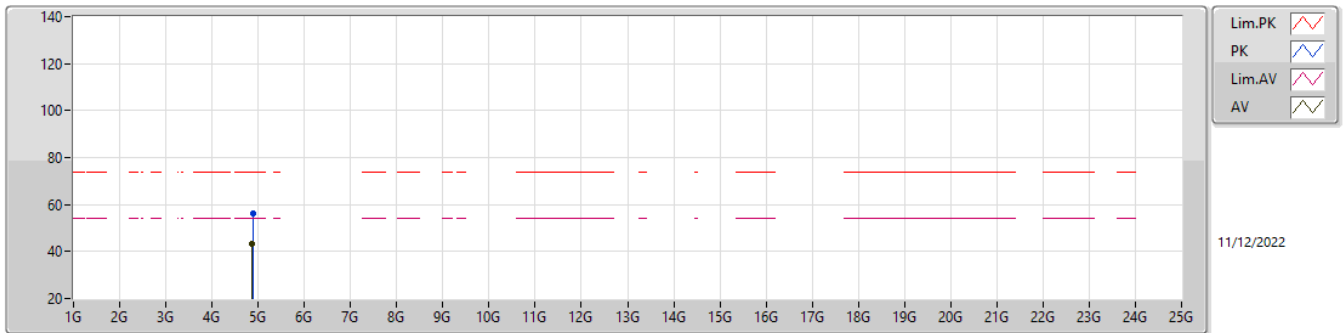
2437MHz_TX



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	2.3894G	48.72	54.00	-5.28	32.02	3	Horizontal	34	2.19	16.70	27.54	4.48	-
AV	2.4378G	101.34	Inf	-Inf	32.16	3	Horizontal	34	2.19	69.18	27.68	4.48	-
AV	2.4838G	50.39	54.00	-3.61	32.38	3	Horizontal	34	2.19	18.01	27.90	4.48	-
PK	2.3798G	60.28	74.00	-13.72	31.96	3	Horizontal	34	2.19	28.32	27.48	4.48	-
PK	2.4382G	111.94	Inf	-Inf	32.16	3	Horizontal	34	2.19	79.78	27.68	4.48	-
PK	2.4842G	61.39	74.00	-12.61	32.39	3	Horizontal	34	2.19	29.00	27.91	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

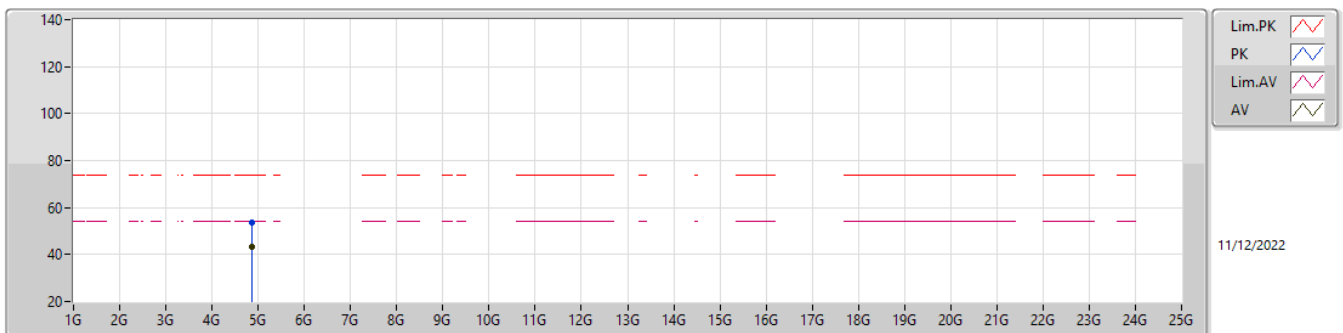
2437MHz_TX



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	4.87514G	43.25	54.00	-10.75	5.32	3	Vertical	66	2.08	37.93	32.70	6.90	34.28
PK	4.87982G	56.08	74.00	-17.92	5.34	3	Vertical	66	2.08	50.74	32.72	6.90	34.28

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

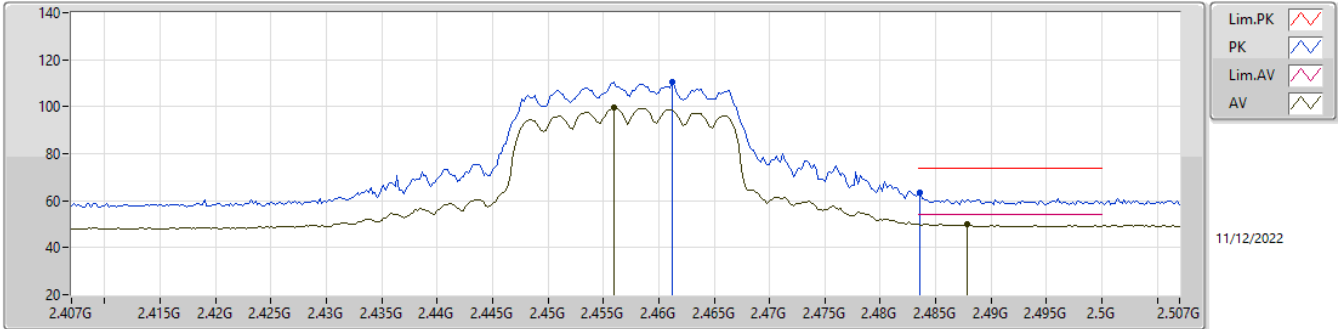
2437MHz_TX



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	4.8746G	43.52	54.00	-10.48	5.31	3	Horizontal	0	1.43	38.21	32.70	6.90	34.29
PK	4.87706G	53.66	74.00	-20.34	5.33	3	Horizontal	0	1.43	48.33	32.71	6.90	34.28

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

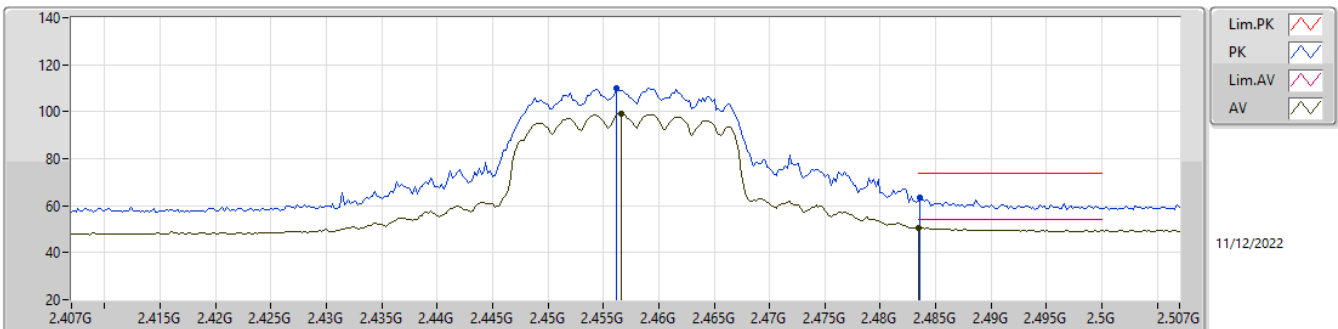
2457MHz_TX



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	2.456G	99.47	Inf	-Inf	32.22	3	Vertical	303	1.50	67.25	27.74	4.48	-
AV	2.4878G	50.07	54.00	-3.93	32.41	3	Vertical	303	1.50	17.66	27.93	4.48	-
PK	2.4612G	110.40	Inf	-Inf	32.25	3	Vertical	303	1.50	78.15	27.77	4.48	-
PK	2.4836G	63.57	74.00	-10.43	32.38	3	Vertical	303	1.50	31.19	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

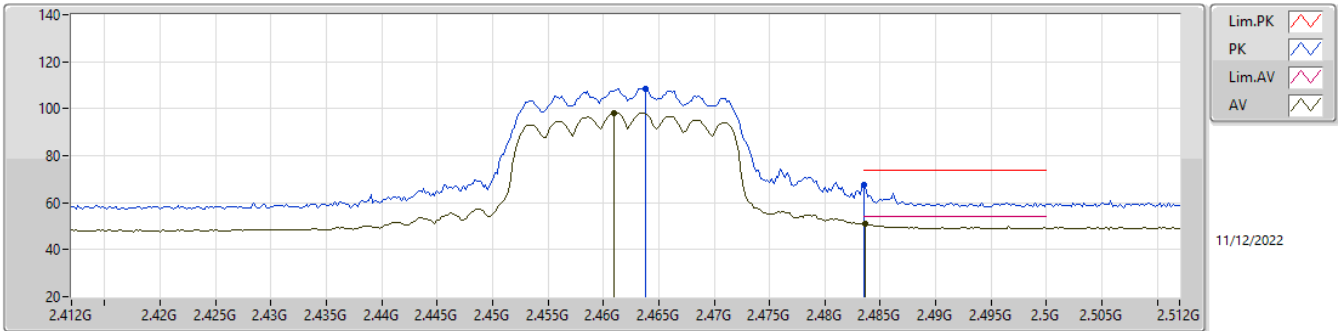
2457MHz_TX



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	2.4566G	99.16	Inf	-Inf	32.22	3	Horizontal	60	1.07	66.94	27.74	4.48	-
AV	2.4835G	50.73	54.00	-3.27	32.38	3	Horizontal	60	1.07	18.35	27.90	4.48	-
PK	2.4562G	109.81	Inf	-Inf	32.22	3	Horizontal	60	1.07	77.59	27.74	4.48	-
PK	2.4836G	63.61	74.00	-10.39	32.38	3	Horizontal	60	1.07	31.23	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

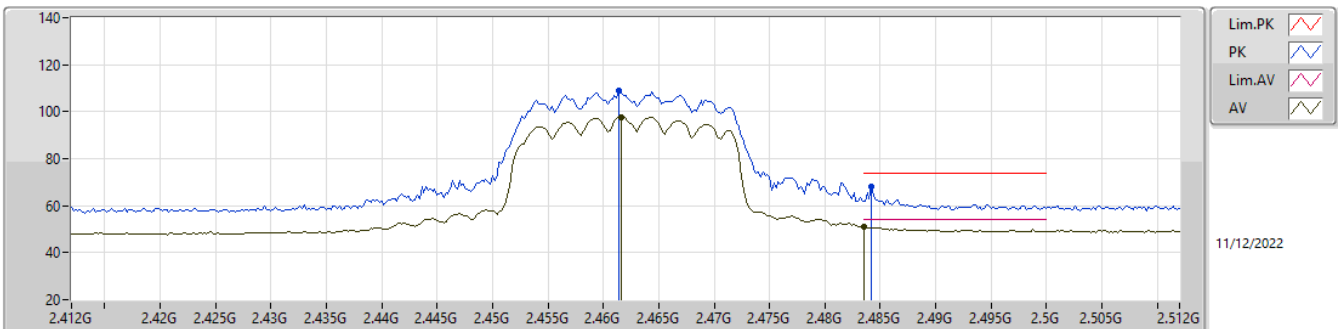
2462MHz_TX



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	2.461G	98.15	Inf	-Inf	32.25	3	Vertical	301	1.50	65.90	27.77	4.48	-
AV	2.4836G	50.89	54.00	-3.11	32.38	3	Vertical	301	1.50	18.51	27.90	4.48	-
PK	2.4638G	108.68	Inf	-Inf	32.26	3	Vertical	301	1.50	76.42	27.78	4.48	-
PK	2.4835G	67.76	74.00	-6.24	32.38	3	Vertical	301	1.50	35.38	27.90	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

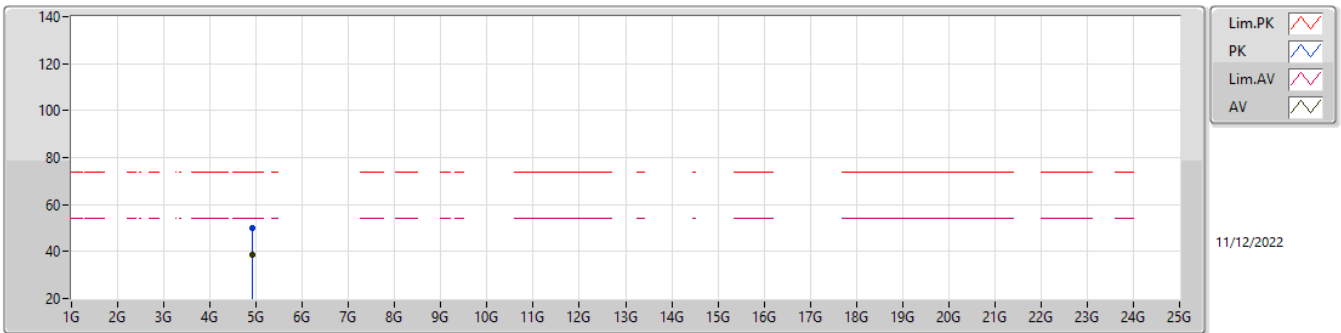
2462MHz_TX



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	2.4616G	97.72	Inf	-Inf	32.25	3	Horizontal	61	1.09	65.47	27.77	4.48	-
AV	2.4835G	50.89	54.00	-3.11	32.38	3	Horizontal	61	1.09	18.51	27.90	4.48	-
PK	2.4614G	108.93	Inf	-Inf	32.25	3	Horizontal	61	1.09	76.68	27.77	4.48	-
PK	2.4842G	68.27	74.00	-5.73	32.39	3	Horizontal	61	1.09	35.88	27.91	4.48	-

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

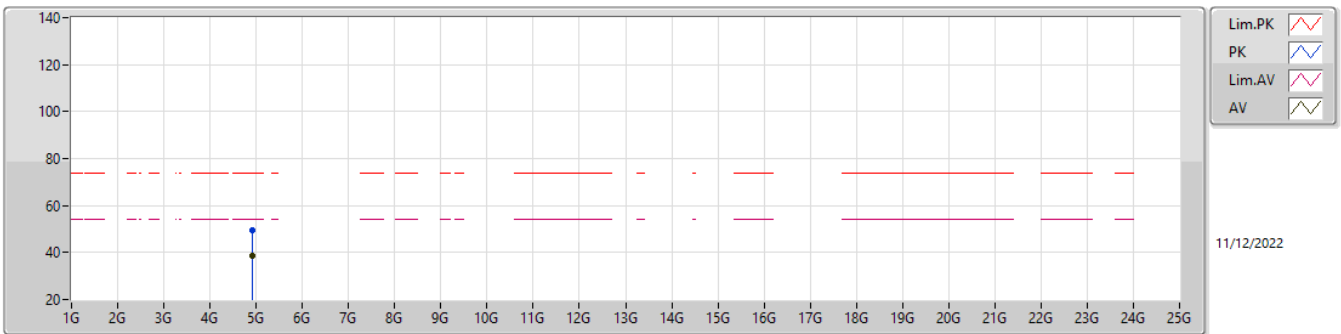
2462MHz_TX



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	4.92382G	38.80	54.00	-15.20	5.57	3	Vertical	279	2.19	33.23	32.94	6.91	34.28
PK	4.9261G	49.85	74.00	-24.15	5.59	3	Vertical	279	2.19	44.26	32.96	6.91	34.28

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

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	4.92202G	38.73	54.00	-15.27	5.56	3	Horizontal	360	1.50	33.17	32.93	6.91	34.28
PK	4.92034G	49.57	74.00	-24.43	5.55	3	Horizontal	360	1.50	44.02	32.92	6.91	34.28