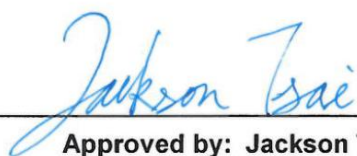


FCC Radio Test Report

FCC ID : 2AIBX-NIU6L
Equipment : NIU6
Brand Name : Electrolux
Model Name : NIU6
Applicant : Electrolux Italia S.p.A.
Corso Lino Zanussi 24 / 33080 Porcia (PN), Italy
Manufacturer : Electrolux Italia S.p.A.
Corso Lino Zanussi 24 / 33080 Porcia (PN), Italy
Standard : 47 CFR FCC Part 15.247

The product was received on Nov. 15, 2022, and testing was started from Nov. 22, 2022 and completed on Dec. 05, 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.)



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	7
1.3 Testing Location Information	7
1.4 Measurement Uncertainty	7
2 TEST CONFIGURATION OF EUT.....	8
2.1 Test Channel Mode	8
2.2 The Worst Case Measurement Configuration.....	9
2.3 Support Equipment.....	10
2.4 Test Setup Diagram	11
3 TRANSMITTER TEST RESULT	12
3.1 DTS Bandwidth.....	12
3.2 Maximum Conducted Output Power	13
3.3 Power Spectral Density	15
3.4 Emissions in Non-restricted Frequency Bands	16
3.5 Emissions in Restricted Frequency Bands.....	17
4 TEST EQUIPMENT AND CALIBRATION DATA	21
APPENDIX A. TEST RESULTS OF DTS BANDWIDTH	
APPENDIX B. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER	
APPENDIX C. TEST RESULTS OF POWER SPECTRAL DENSITY	
APPENDIX D. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS	
APPENDIX E. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS	
APPENDIX F. TEST PHOTOS	
PHOTOGRAPHS OF EUT V01	



History of this test report

Report No.	Version	Description	Issued Date
FR2N0908AC	01	Initial issue of report	Dec. 29, 2022

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	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	-

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: Michelle Tsai

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 and 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
1	LITEON	WCBN3601M	Printed	Murata
2	LITEON	WCBN3601M	Printed	Murata

Ant.	Port	Gain (dBi)	
		2.4G	BT
1	1	2.3	-
2	2	-	1.6

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For BT function:

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

Ant. 2 (port 2) could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Test Fixture			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☐	With beamforming	☒	Without beamforming
Type of EUT				
☒	Stand-alone			
☐	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
☐	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
☐	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11b_Nss1,(1Mbps)_1TX	0.453	3.44	4.532m	300
802.11g_Nss1,(6Mbps)_1TX	0.423	3.74	2.113m	1k
802.11n HT20_Nss1,(MCS0)_1TX	0.394	4.05	1.97m	1k

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

1.1.5 Table for Multiple Listing

The EUT in the following table are all refer to the identical product.

EUT No.	Model	Voltage
1	NIU6	3.3V
2	NIU6	5V

Note.1: The test voltage 3.3V and 5V configuration was pretested and 3.3V was found to be the worst case for conducted test.

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				
☒ 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
RF Conducted	TH01-HY	Luby hsu	22.1~23.6°C / 52~55%	22/Nov/2022~05/Dec/2022
Radiated	03CH02-HY	Jack Tang	20.3~22.4°C / 58~63%	02/Dec/2022~03/Dec/2022
☐ 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	

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	Microsoft windows 6.1
Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	17
2417MHz	16
2437MHz	19
2462MHz	20
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	12
2417MHz	15
2437MHz	25
2457MHz	18
2462MHz	14
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	11
2417MHz	15
2437MHz	23
2457MHz	16
2462MHz	13

2.2 The Worst Case Measurement Configuration

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	Text Fixture Mode (3.3V)		
2	Text Fixture Mode (5V)		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		Mode 1	Mode 2

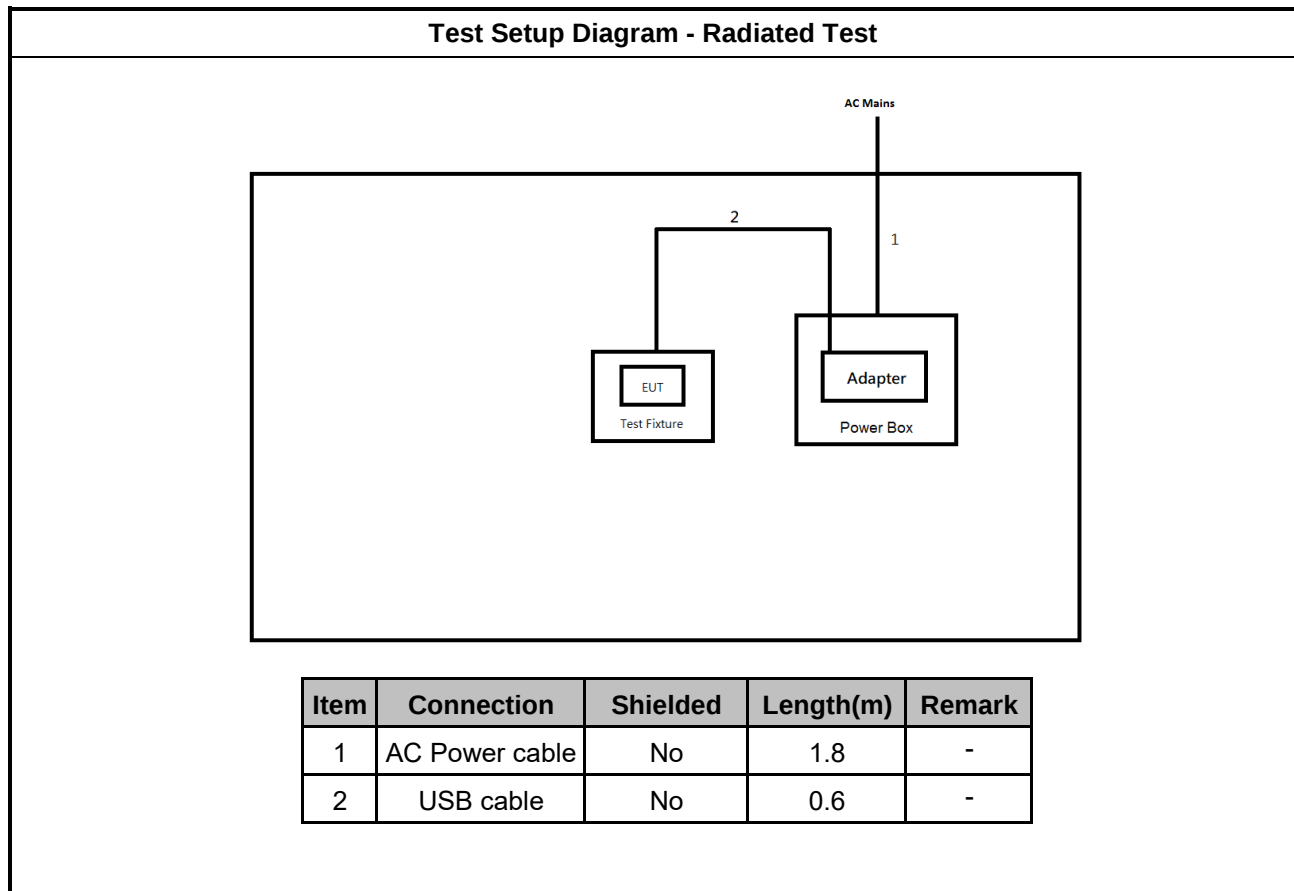


2.3 Support Equipment

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Fixture Board	NA	WCBN3600M_EVB_V01	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	USB cable	-	-	-	Provided by Customer
2	Adapter	Apple	A1385	-	-
3	Fixture Board	NA	WCBN3600M_EVB_V01	-	Provided by Customer

2.4 Test Setup Diagram



3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

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

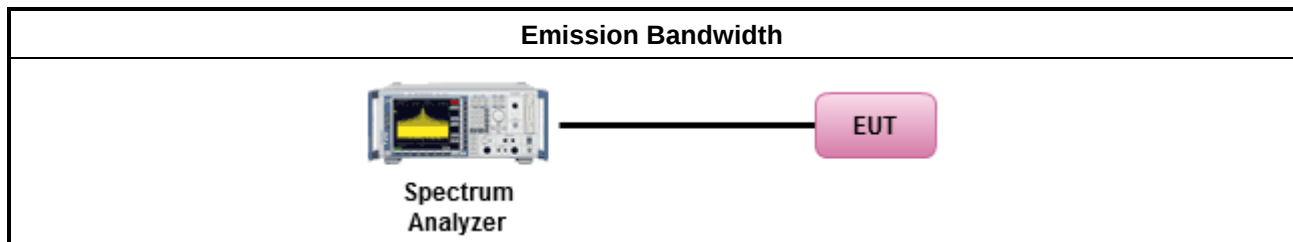
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	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		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	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:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	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.		

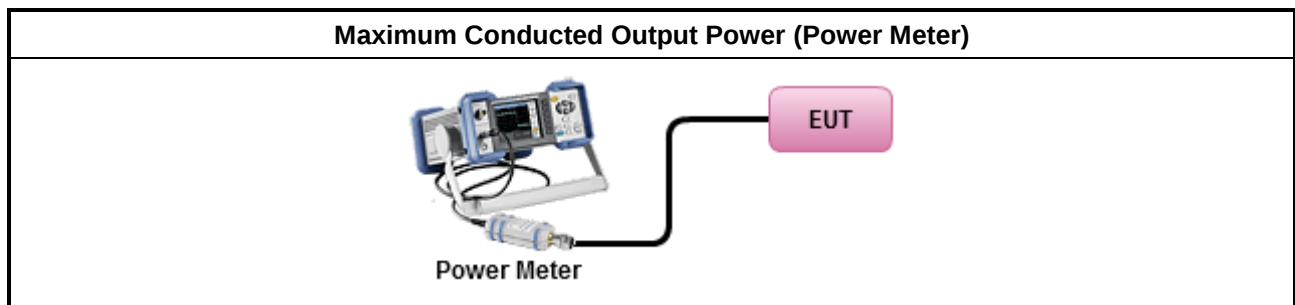
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
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.	
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]) $EIRP_{total} = P_{total} + DG$	

3.2.4 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	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

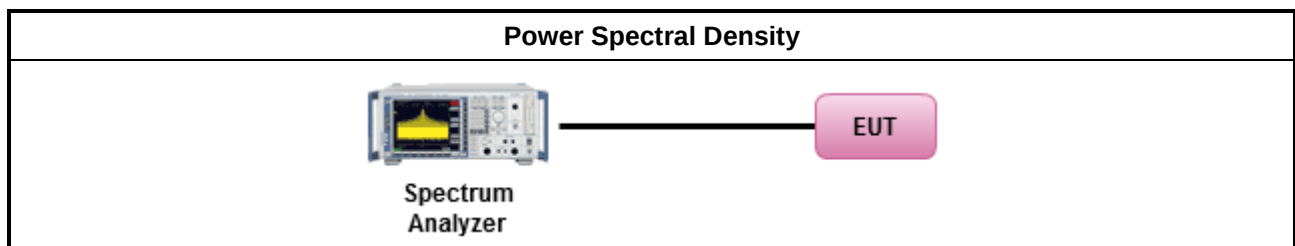
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪	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).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	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.

3.3.4 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.	

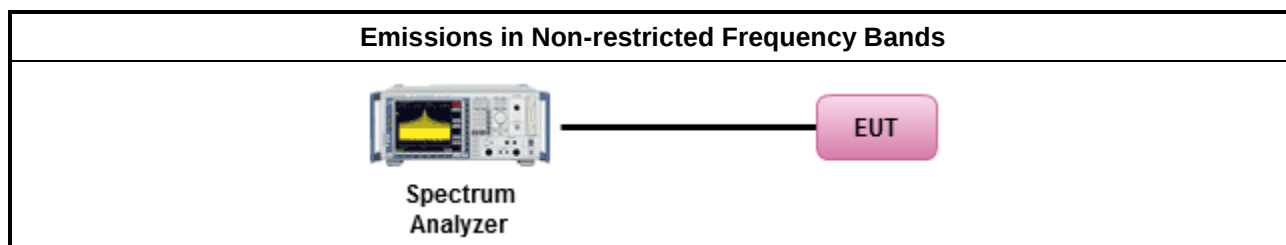
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

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

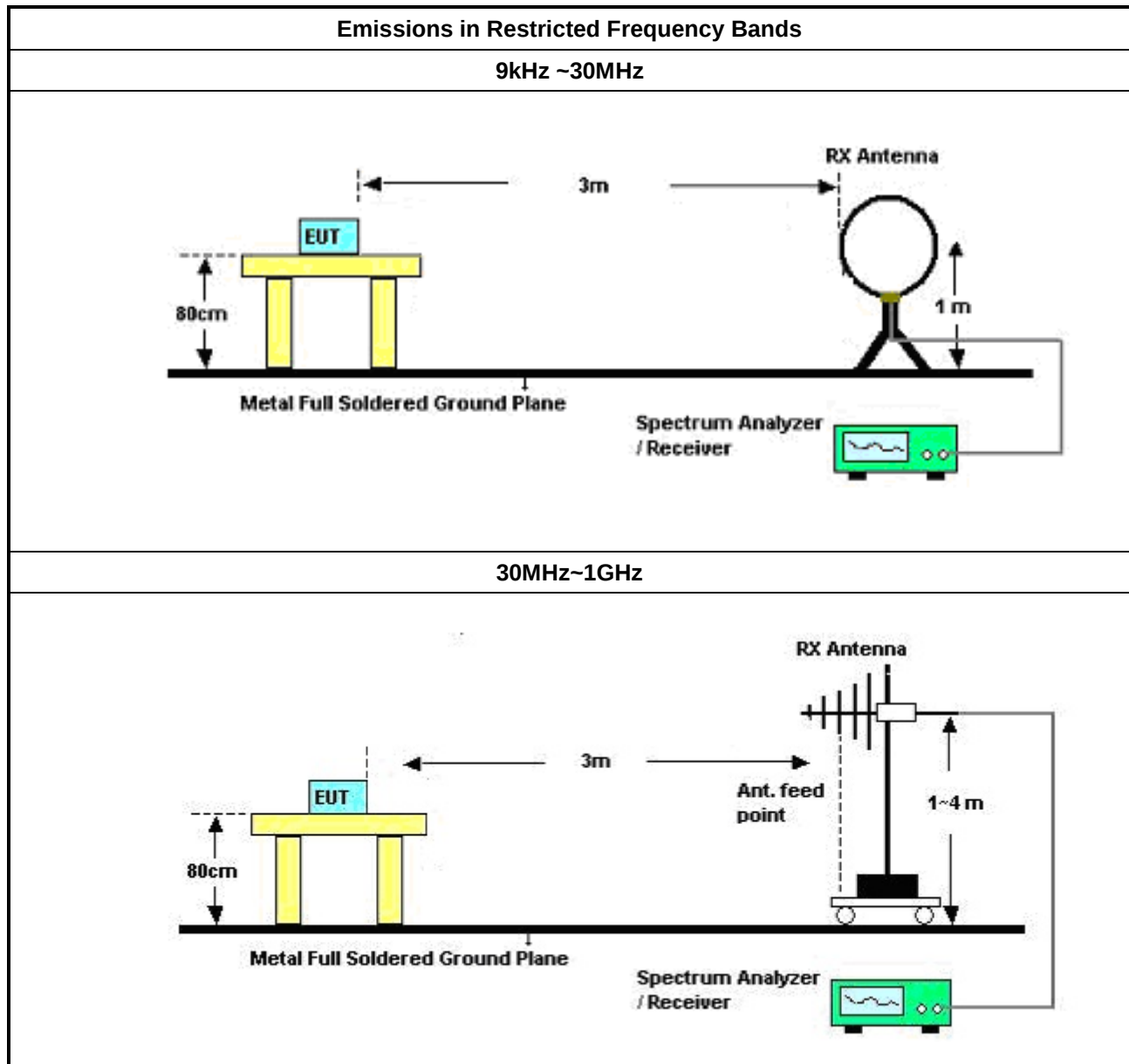
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	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.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	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.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

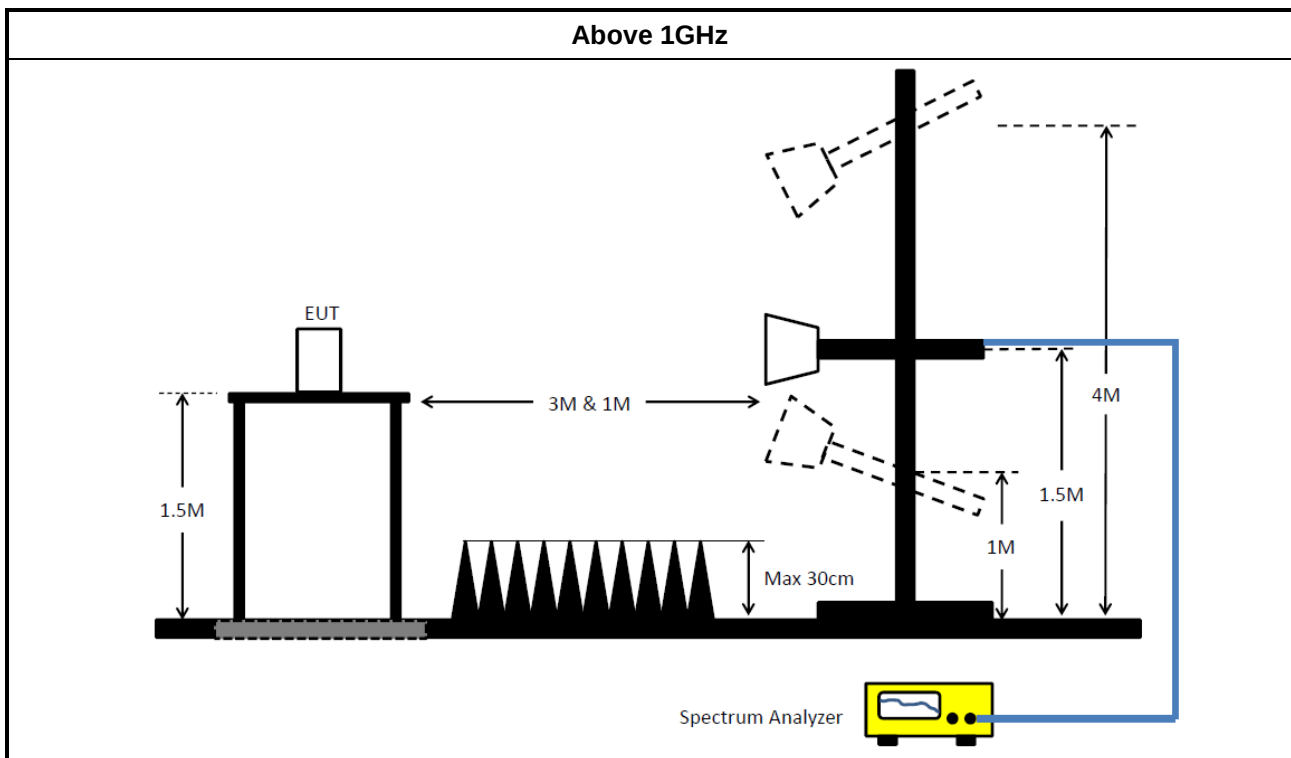
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





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

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

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	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	V5.10.7.15	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX1 04	805193/4+805192 /4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Nov/2022	01/Nov/2023
SENSE-15247_DTS	Sporton	V5.10.8.8	N/A	N/A	N/A	N/A

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	10.05M	14.13M	14M1G1D	10.025M	13.797M
802.11g_Nss1,(6Mbps)_1TX	16.325M	23.724M	23M7D1D	16.3M	16.567M
802.11n HT20_Nss1,(MCS0)_1TX	17.6M	24.757M	24M8D1D	17.6M	17.729M

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	10.05M	13.797M
2437MHz	Pass	500k	10.05M	14.13M
2462MHz	Pass	500k	10.025M	14.101M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M
2437MHz	Pass	500k	16.3M	23.724M
2462MHz	Pass	500k	16.3M	16.588M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.6M	17.729M
2437MHz	Pass	500k	17.6M	24.757M
2462MHz	Pass	500k	17.6M	17.803M

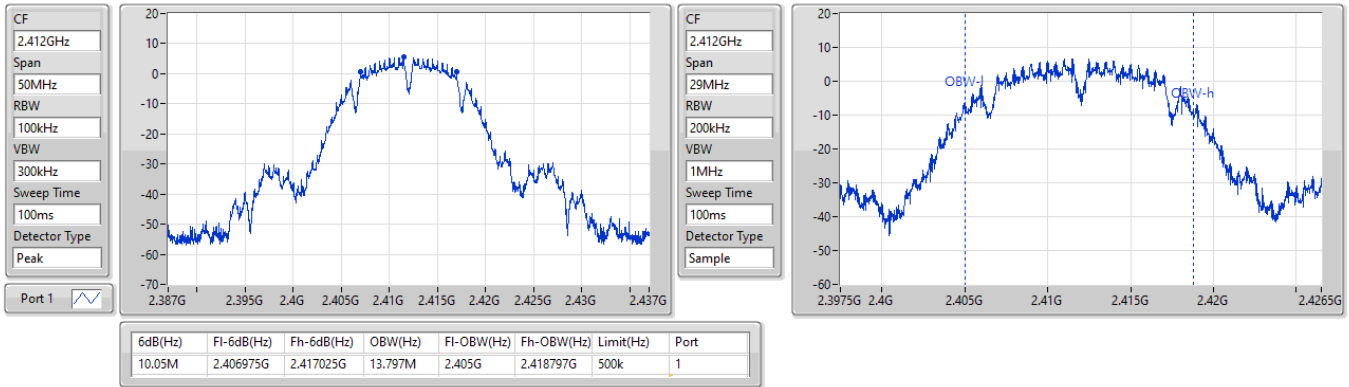
Port X-N dB = Port X 6dB down bandwidth;
Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

05/12/2022

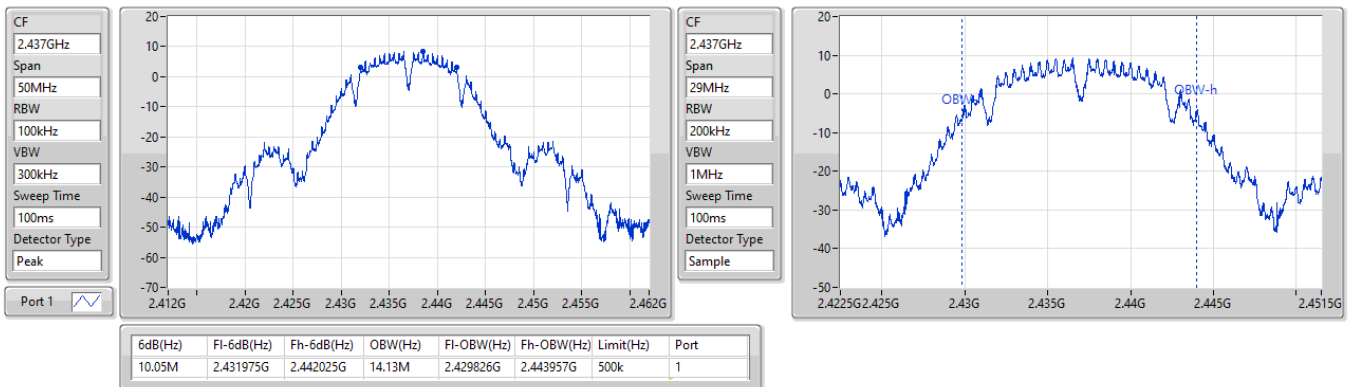


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

05/12/2022

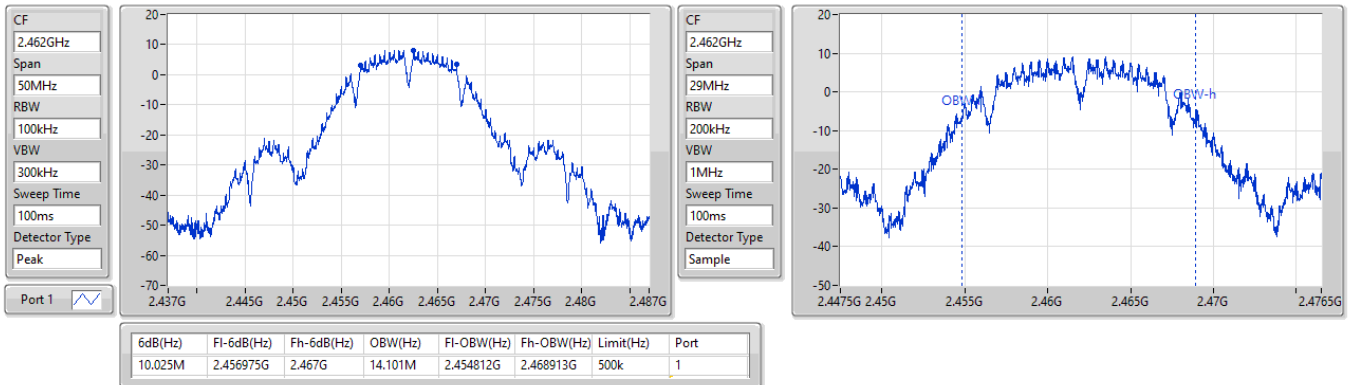


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

EBW

2462MHz

05/12/2022

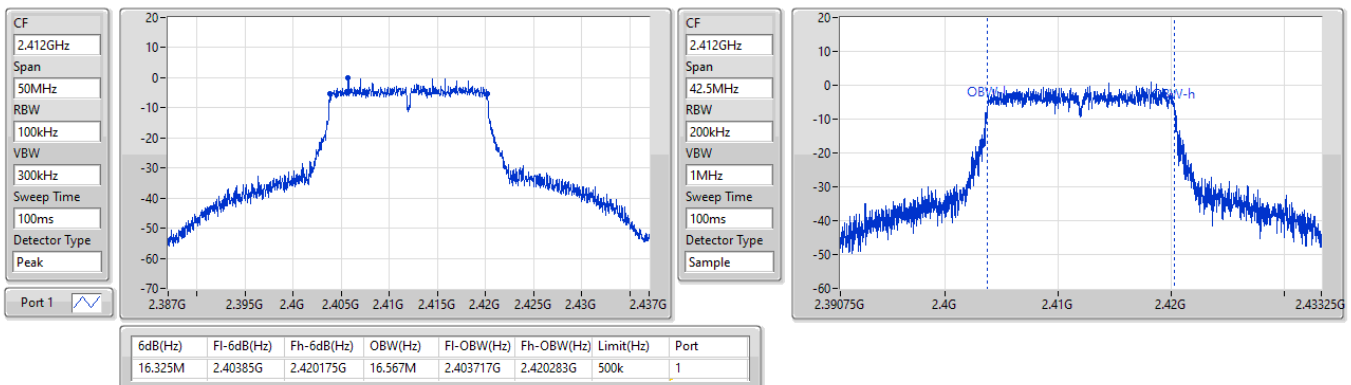


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

EBW

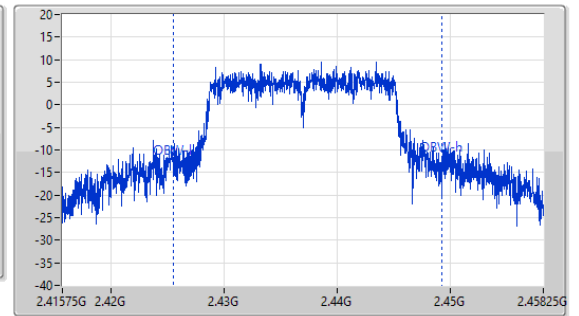
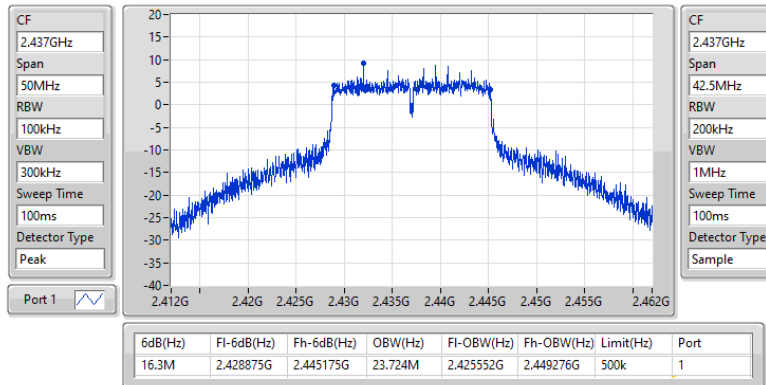
2412MHz

05/12/2022

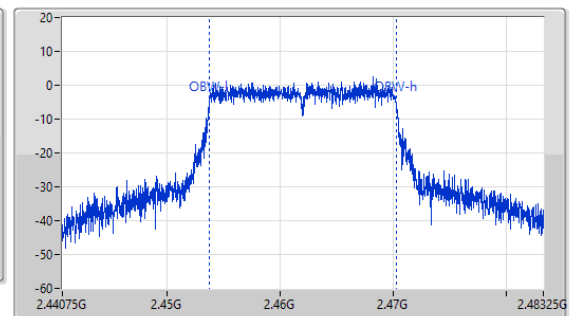
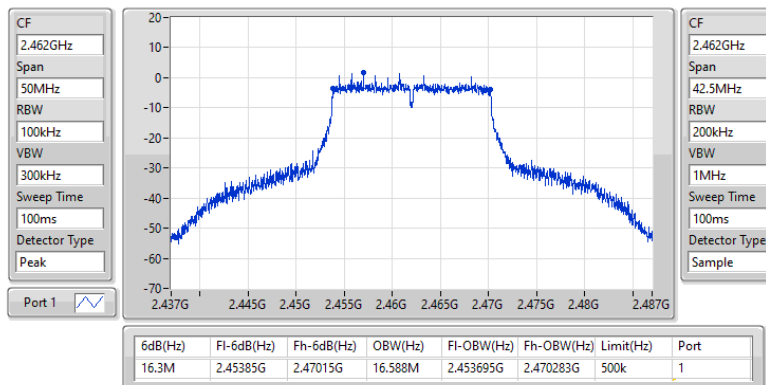


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX
EBW
2437MHz

05/12/2022


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX
EBW
2462MHz

05/12/2022

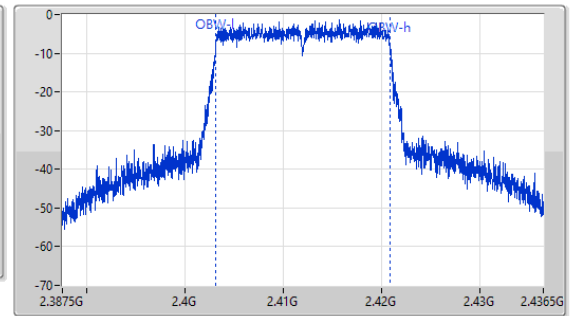
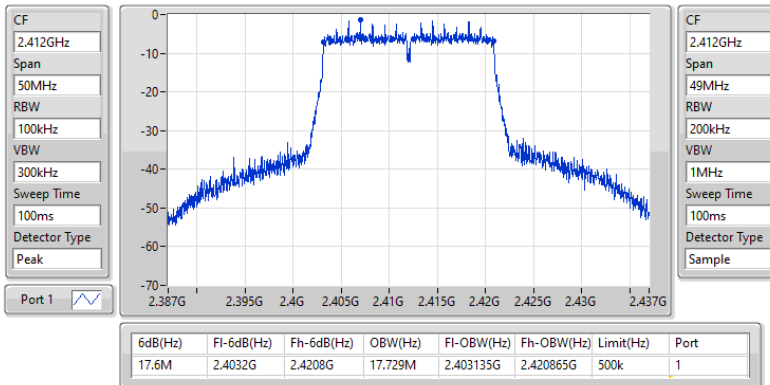


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2412MHz

05/12/2022

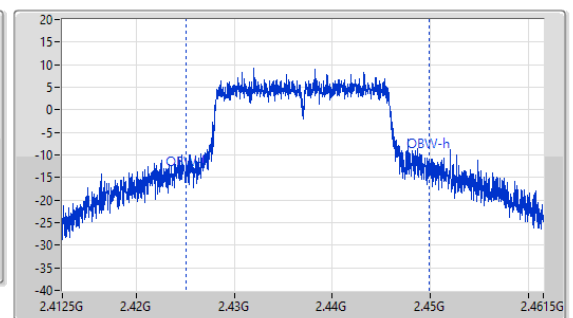
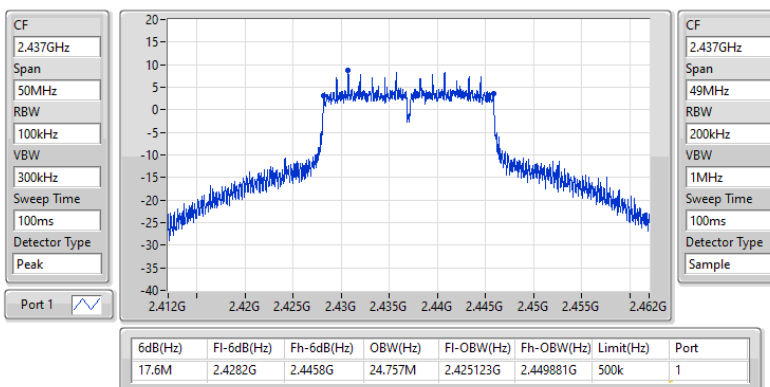


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

05/12/2022

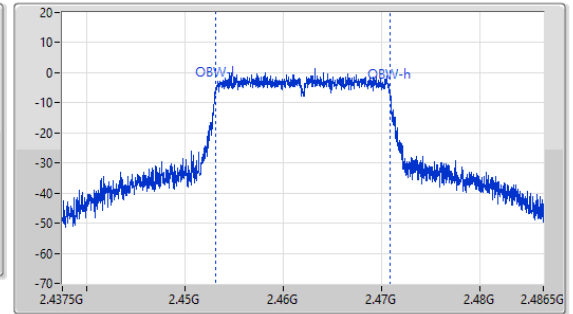
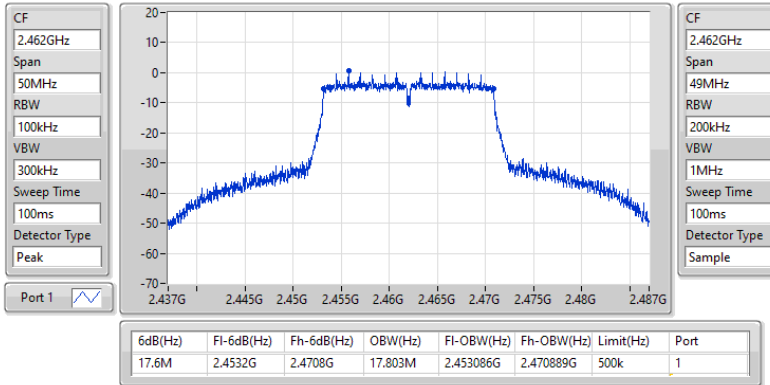


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

05/12/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.75	0.09441
802.11g_Nss1,(6Mbps)_1TX	21.54	0.14256
802.11n HT20_Nss1,(MCS0)_1TX	21.01	0.12618

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	17.90	17.90	30.00
2417MHz	Pass	2.30	17.54	17.54	30.00
2437MHz	Pass	2.30	19.47	19.47	30.00
2462MHz	Pass	2.30	19.75	19.75	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	13.30	13.30	30.00
2417MHz	Pass	2.30	16.08	16.08	30.00
2437MHz	Pass	2.30	21.54	21.54	30.00
2457MHz	Pass	2.30	18.23	18.23	30.00
2462MHz	Pass	2.30	14.38	14.38	30.00
802.11n_HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	11.96	11.96	30.00
2417MHz	Pass	2.30	16.23	16.23	30.00
2437MHz	Pass	2.30	21.01	21.01	30.00
2457MHz	Pass	2.30	16.79	16.79	30.00
2462MHz	Pass	2.30	13.01	13.01	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	-6.79
802.11g_Nss1,(6Mbps)_1TX	-7.42
802.11n HT20_Nss1,(MCS0)_1TX	-7.26

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	2.30	-10.11	-10.11	8.00
2437MHz	Pass	2.30	-6.79	-6.79	8.00
2462MHz	Pass	2.30	-7.14	-7.14	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	-15.62	-15.62	8.00
2437MHz	Pass	2.30	-7.42	-7.42	8.00
2462MHz	Pass	2.30	-13.78	-13.78	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.30	-16.34	-16.34	8.00
2437MHz	Pass	2.30	-7.26	-7.26	8.00
2462MHz	Pass	2.30	-15.14	-15.14	8.00

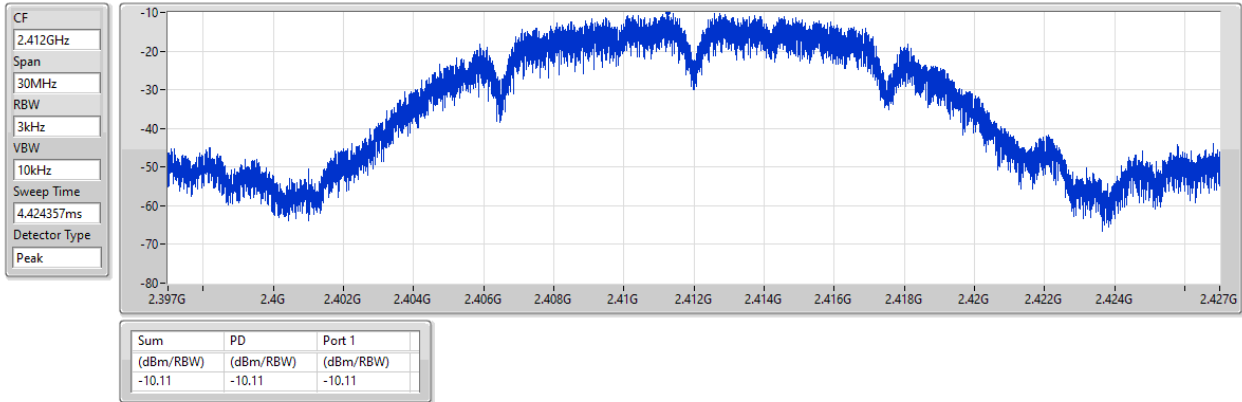
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

PSD

2412MHz

05/12/2022

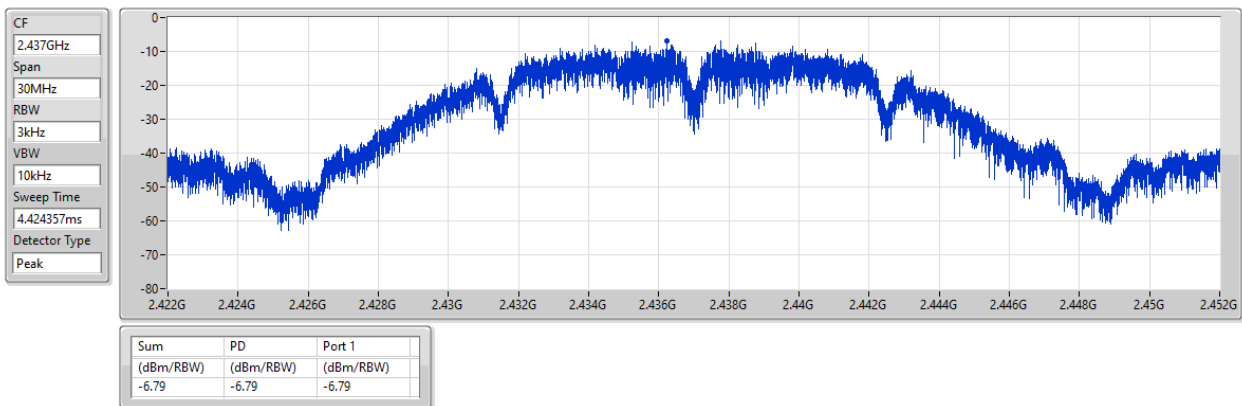


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

PSD

2437MHz

05/12/2022

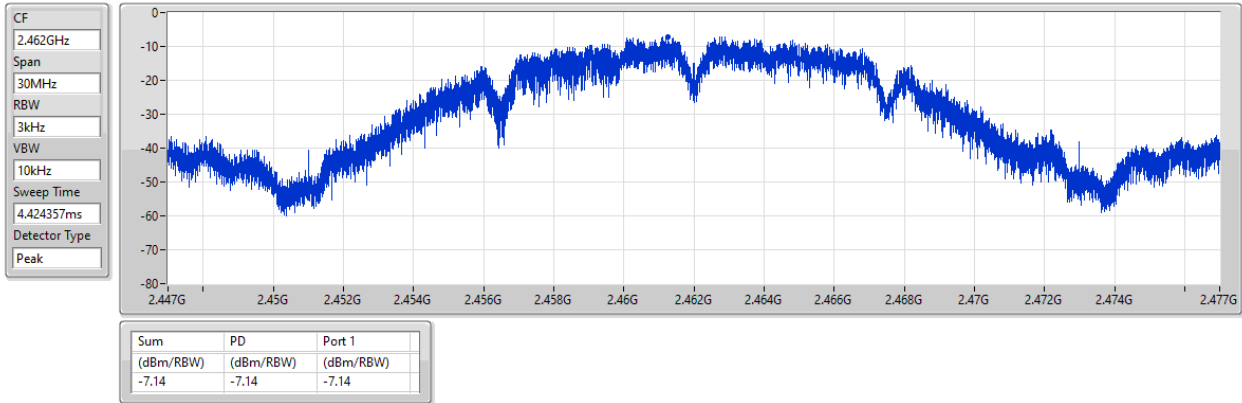


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

PSD

2462MHz

05/12/2022

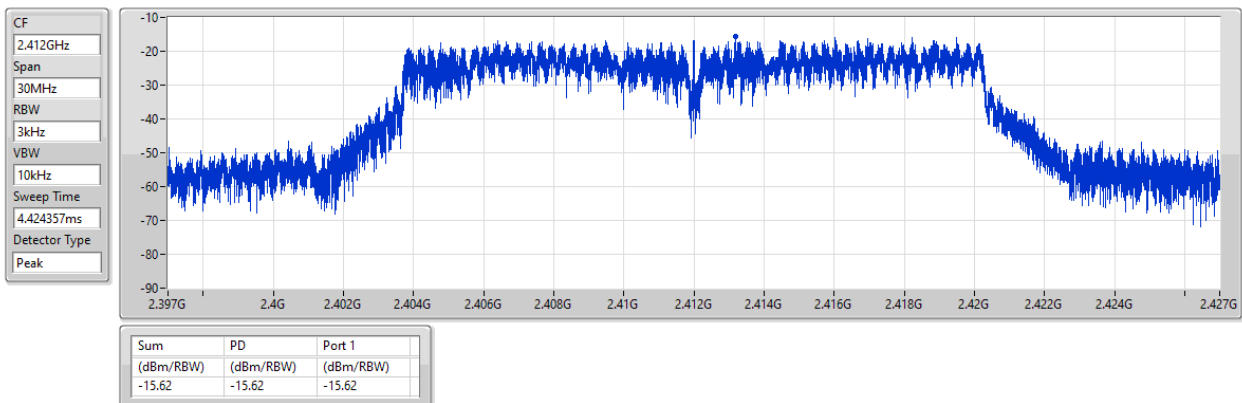


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

05/12/2022

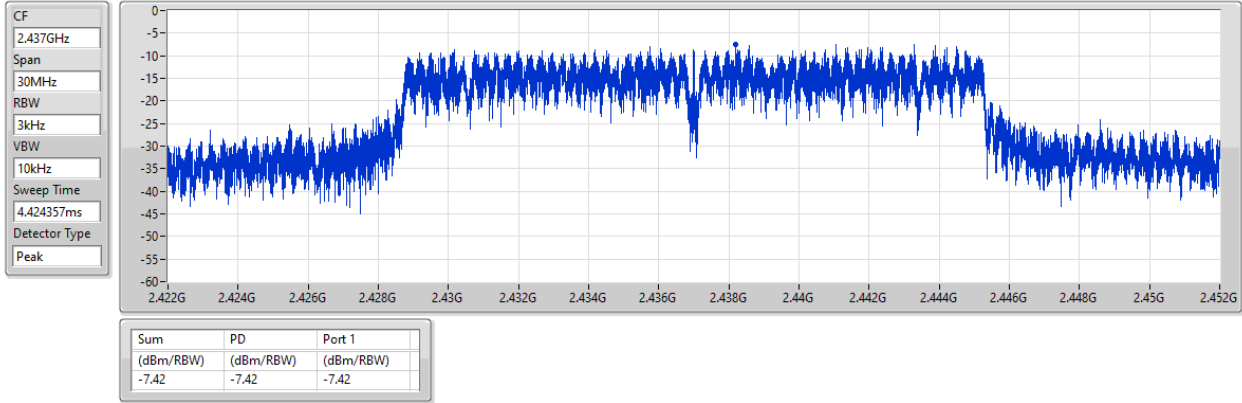


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

05/12/2022

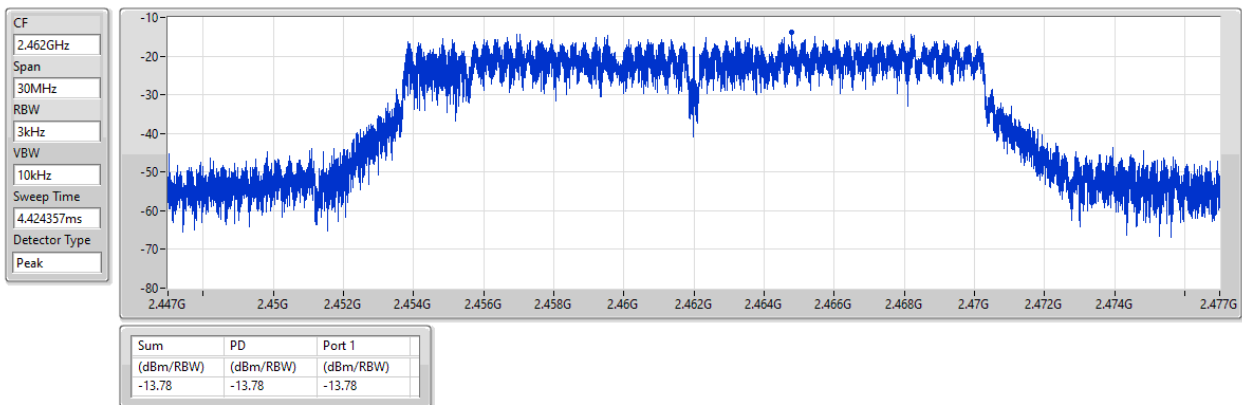


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

05/12/2022

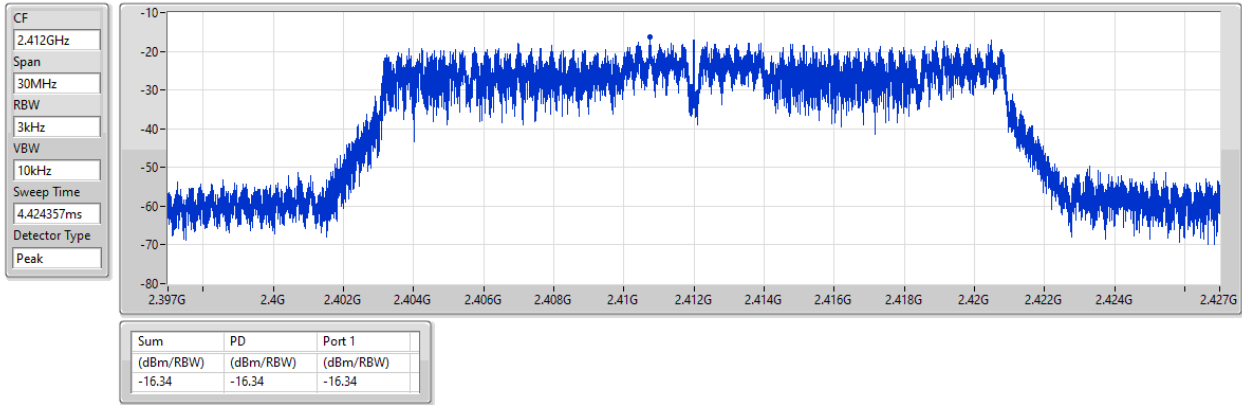


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

05/12/2022

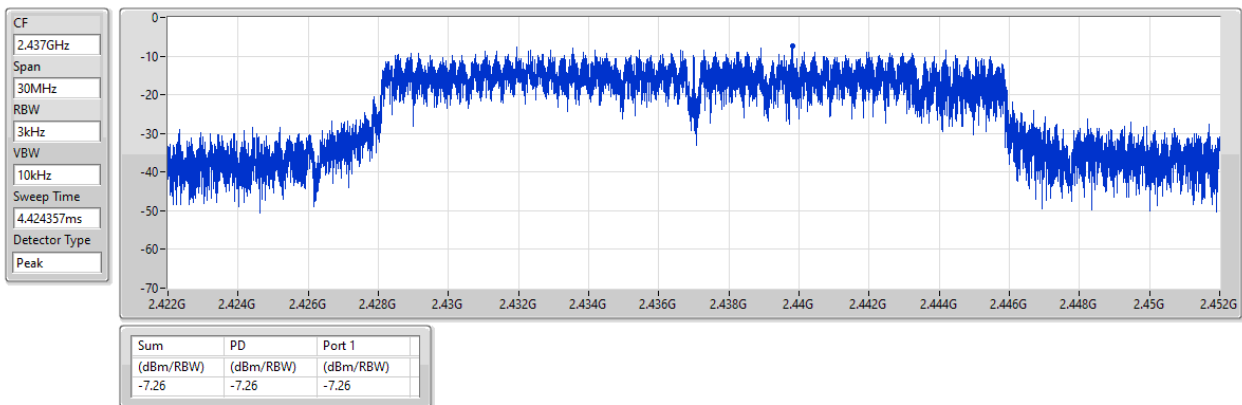


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

05/12/2022

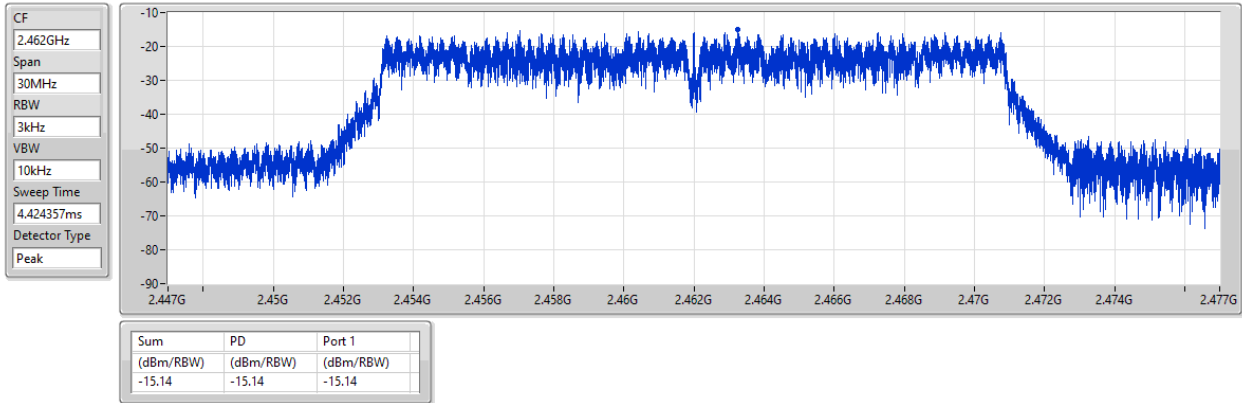


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

05/12/2022





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	2.46246G	8.10	-21.90	2.30175G	-54.33	2.39808G	-30.32	2.4G	-35.43	2.50158G	-51.53	15.2171G	-42.29	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.4319G	9.44	-20.56	2.10487G	-53.56	2.3992G	-31.83	2.4G	-34.55	2.50158G	-52.28	24.74152G	-41.34	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43073G	8.75	-21.25	2.30874G	-54.56	2.39992G	-34.14	2.4G	-34.45	2.50646G	-51.93	23.35641G	-41.16	1

Result

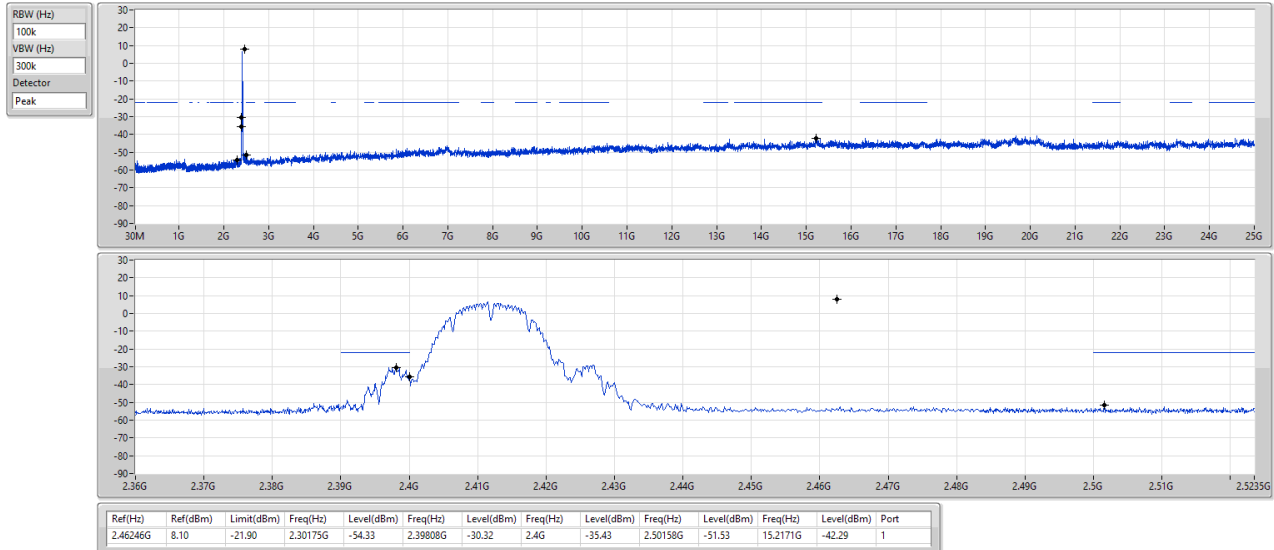
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46246G	8.10	-21.90	2.30175G	-54.33	2.39808G	-30.32	2.4G	-35.43	2.50158G	-51.53	15.2171G	-42.29	1
2437MHz	Pass	2.46246G	8.10	-21.90	2.30408G	-54.06	2.4G	-52.33	2.4G	-53.97	2.51454G	-52.68	15.21991G	-41.87	1
2462MHz	Pass	2.46246G	8.10	-21.90	30M	-47.40	2.3976G	-53.46	2.4G	-56.33	2.5083G	-52.25	24.76681G	-42.11	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	9.44	-20.56	2.10487G	-53.56	2.3992G	-31.83	2.4G	-34.55	2.50158G	-52.28	24.74152G	-41.34	1
2437MHz	Pass	2.4319G	9.44	-20.56	2.30874G	-52.53	2.39984G	-34.69	2.4G	-34.42	2.50062G	-47.10	24.76962G	-41.15	1
2462MHz	Pass	2.4319G	9.44	-20.56	1.88352G	-54.67	2.39568G	-52.72	2.4G	-54.58	2.5035G	-52.25	24.89605G	-41.80	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	8.75	-21.25	2.30874G	-54.56	2.39992G	-34.14	2.4G	-34.45	2.50646G	-51.93	23.35641G	-41.16	1
2437MHz	Pass	2.43073G	8.75	-21.25	2.30059G	-51.38	2.39992G	-34.86	2.4G	-37.37	2.50486G	-48.32	17.60804G	-41.92	1
2462MHz	Pass	2.43073G	8.75	-21.25	2.30408G	-53.70	2.39856G	-53.64	2.4G	-53.80	2.51094G	-52.16	15.24801G	-41.63	1

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2412MHz

05/12/2022

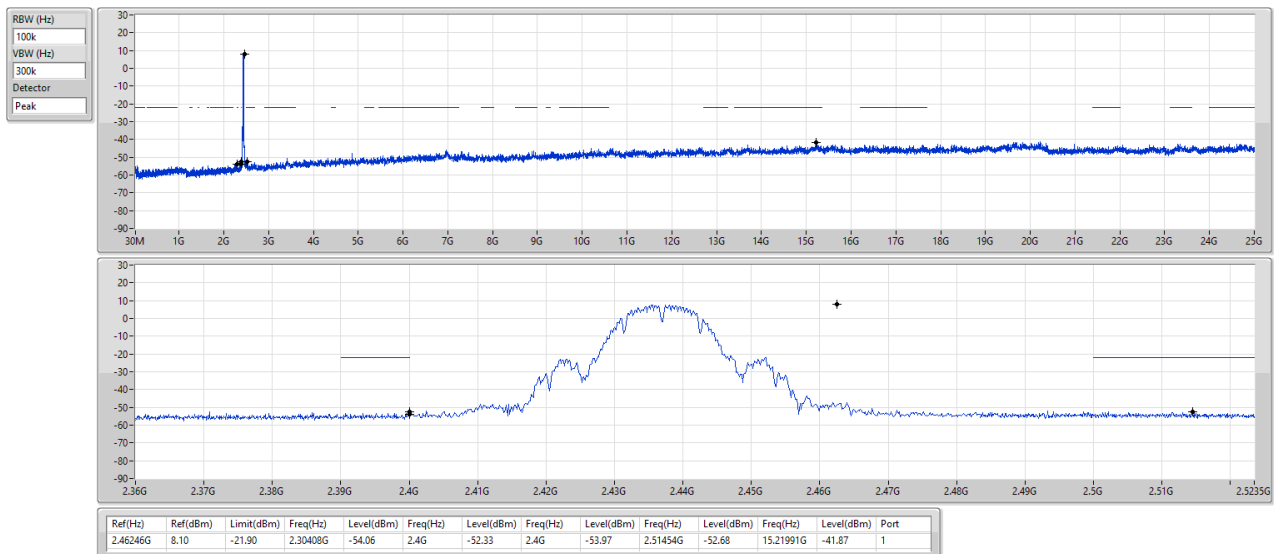


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

2437MHz

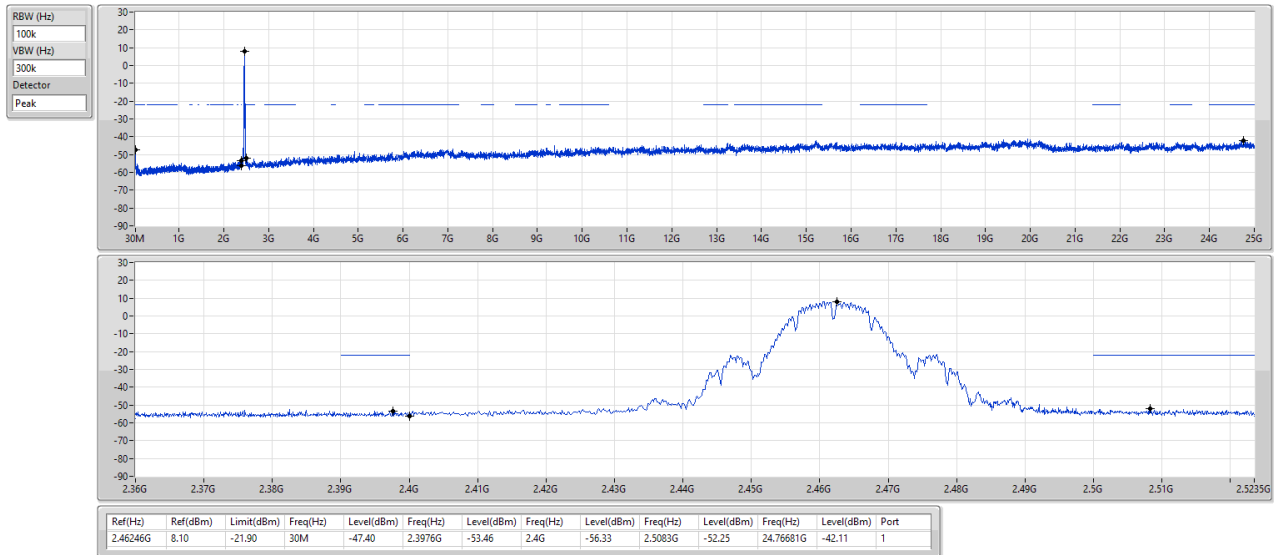
05/12/2022



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

CSEndB

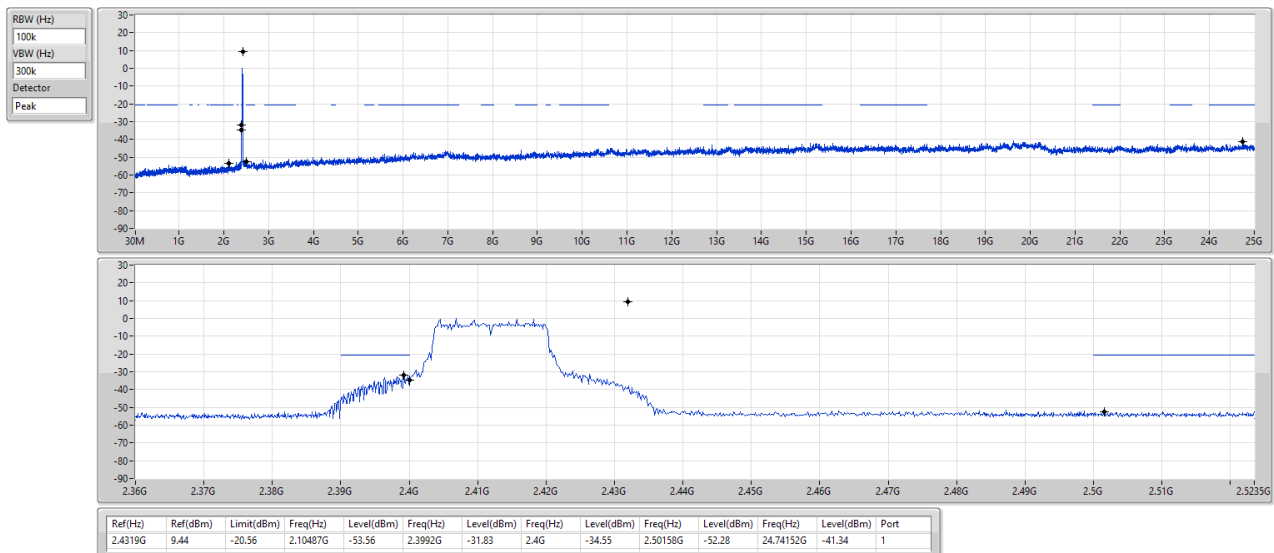
2462MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

CSEndB

2412MHz



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

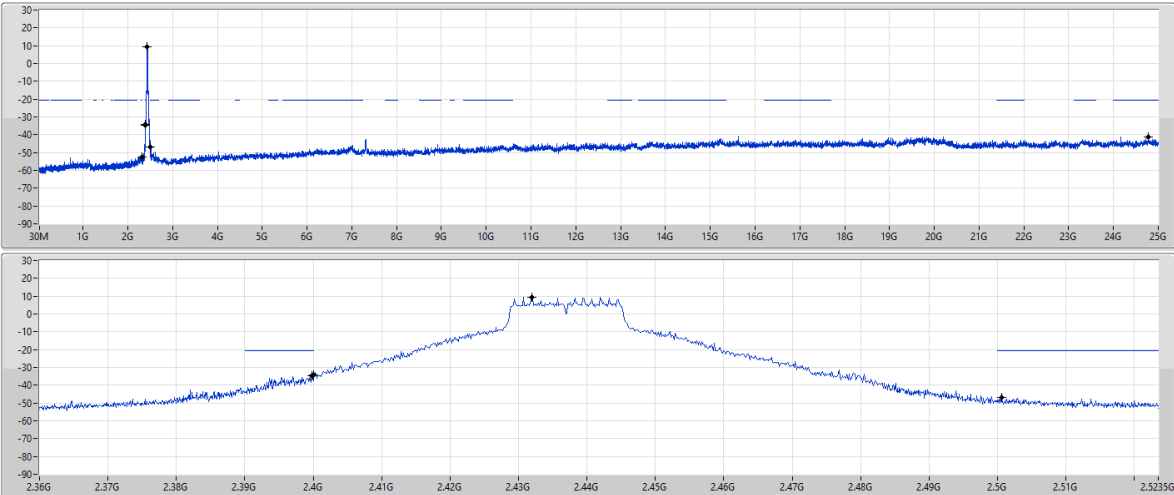
CSEndB

2437MHz

05/12/2022

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
2.4319G	9.44	-20.56	2.30874G	-52.53	2.39984G	-34.69	2.4G	-34.42	2.50062G	-47.10	2.476962G	-41.15	1

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

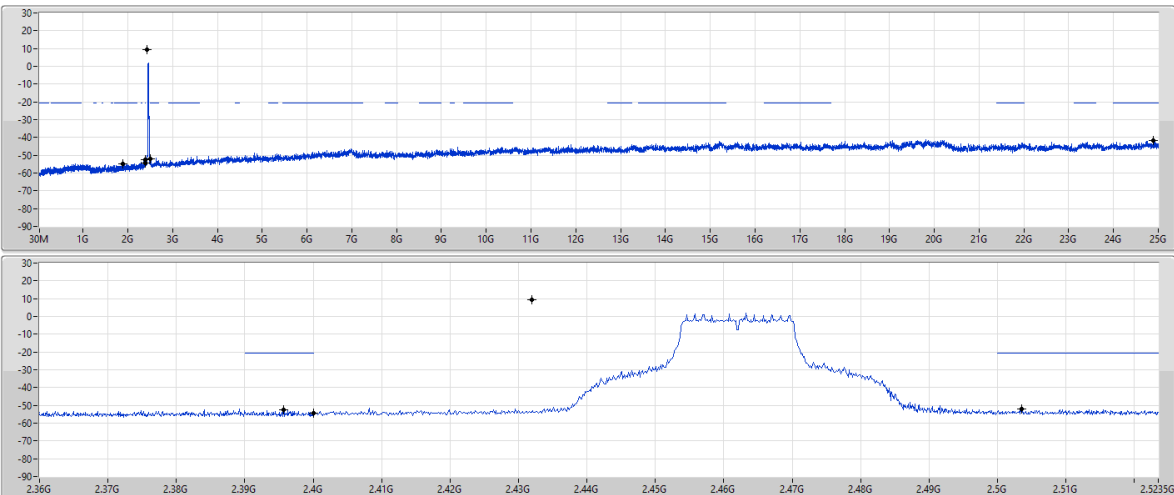
CSEndB

2462MHz

05/12/2022

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



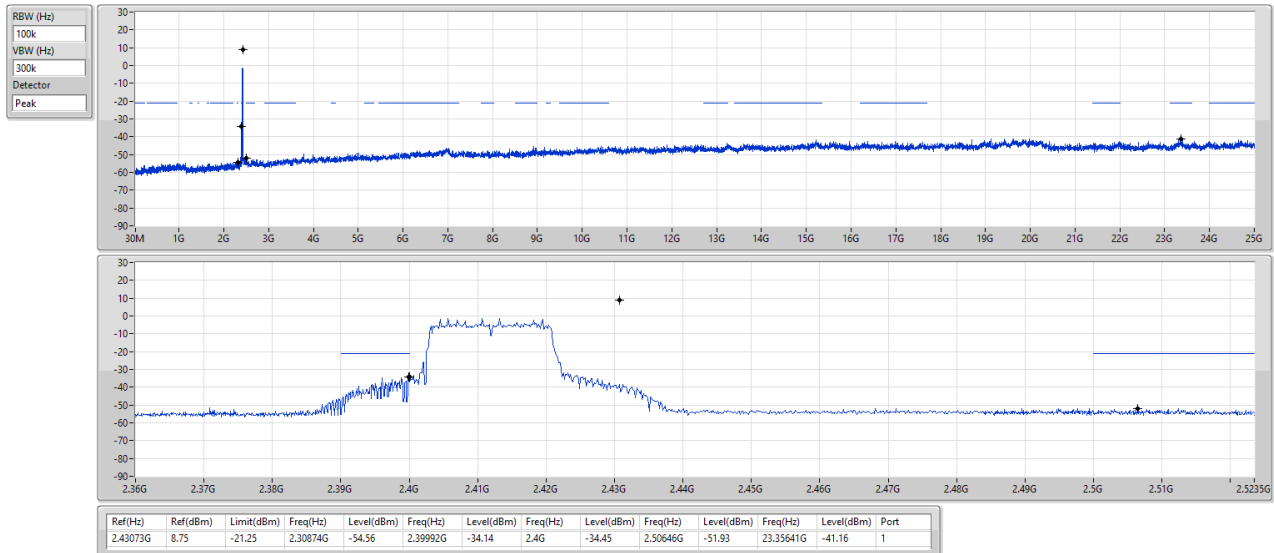
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	9.44	-20.56	1.88352G	-54.67	2.39568G	-52.72	2.4G	-54.58	2.5035G	-52.25	2.489605G	-41.80	1

2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

CSEndB

2412MHz

05/12/2022

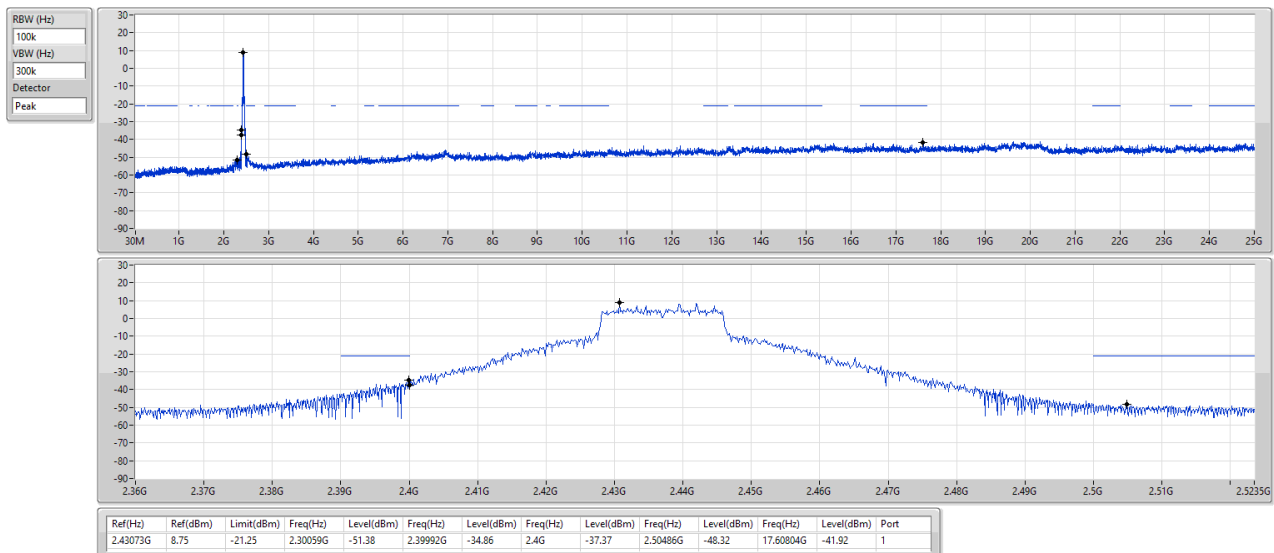


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

CSEndB

2437MHz

05/12/2022





2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

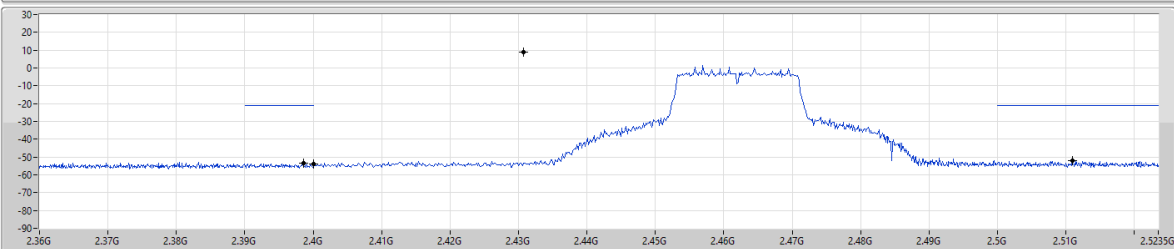
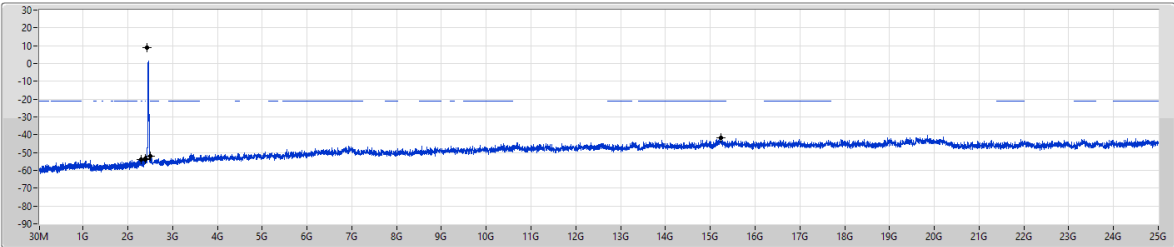
CSEndB

2462MHz

05/12/2022

RBW (Hz)
100k
VBW (Hz)
300k
Detector
Peak

Port 1



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
2.43073G	8.75	-21.25	2.30408G	-53.70	2.39856G	-53.64	2.4G	-53.80	2.51094G	-52.16	15.24801G	-41.63	1



Summary

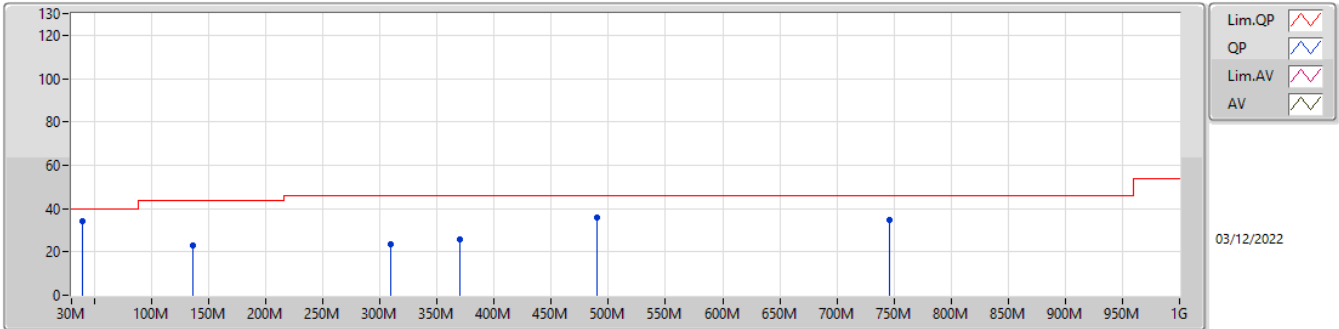
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	39.7M	35.53	40.00	-4.47	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	39.7M	34.42	40.00	-5.58	3	Vertical	0	1.00	-
2437MHz	Pass	PK	136.7M	23.02	43.50	-20.48	3	Vertical	0	1.00	-
2437MHz	Pass	PK	309.36M	23.45	46.00	-22.55	3	Vertical	0	1.00	-
2437MHz	Pass	PK	369.5M	25.91	46.00	-20.09	3	Vertical	0	1.00	-
2437MHz	Pass	PK	489.78M	35.59	46.00	-10.41	3	Vertical	0	1.00	-
2437MHz	Pass	PK	745.86M	35.02	46.00	-10.98	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	31.93	40.00	-8.07	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	130.88M	23.86	43.50	-19.64	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	286.08M	24.67	46.00	-21.33	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	369.5M	25.84	46.00	-20.16	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	495.6M	32.01	46.00	-13.99	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	728.4M	35.29	46.00	-10.71	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	39.7M	35.53	40.00	-4.47	3	Vertical	0	1.00	-
2437MHz	Pass	PK	132.82M	22.58	43.50	-20.92	3	Vertical	0	1.00	-
2437MHz	Pass	PK	297.72M	21.32	46.00	-24.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	369.5M	25.32	46.00	-20.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	489.78M	28.56	46.00	-17.44	3	Vertical	0	1.00	-
2437MHz	Pass	PK	745.86M	34.32	46.00	-11.68	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	28.64	40.00	-11.36	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	47.46M	28.40	40.00	-11.60	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	136.7M	24.05	43.50	-19.45	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	315.18M	29.33	46.00	-16.67	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	520.82M	27.92	46.00	-18.08	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	728.4M	34.23	46.00	-11.77	3	Horizontal	360	1.00	-

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

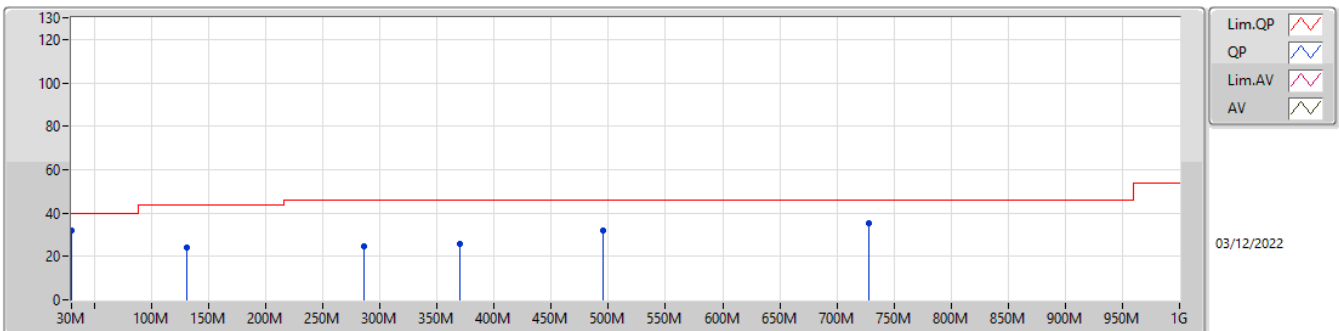
2437MHz_Test Fixture 3.3V



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	39.7M	34.42	40.00	-5.58	-7.75	3	Vertical	0	1.00	42.17	18.01	1.03	26.79
PK	136.7M	23.02	43.50	-20.48	-9.49	3	Vertical	0	1.00	32.51	16.59	1.65	27.73
PK	309.36M	23.45	46.00	-22.55	-6.04	3	Vertical	0	1.00	29.49	18.66	2.55	27.25
PK	369.5M	25.91	46.00	-20.09	-4.84	3	Vertical	0	1.00	30.75	20.01	2.78	27.63
PK	489.78M	35.59	46.00	-10.41	-2.37	3	Vertical	0	1.00	37.96	22.70	3.26	28.33
PK	745.86M	35.02	46.00	-10.98	0.58	3	Vertical	0	1.00	34.44	24.87	3.96	28.25

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

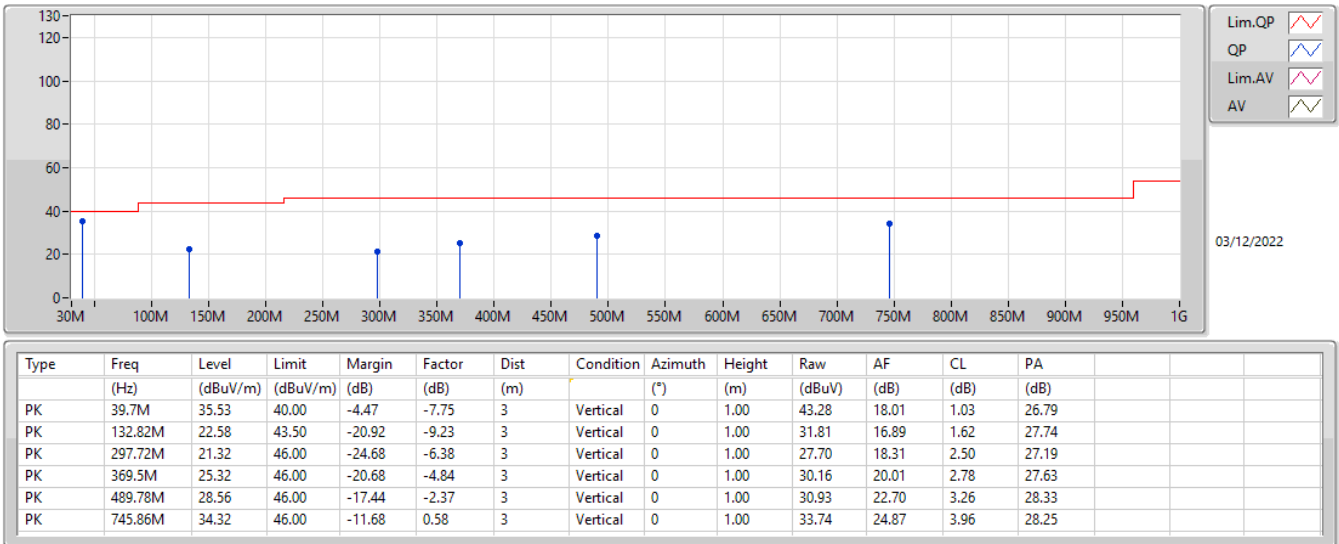
2437MHz_Test Fixture 3.3V



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	31.93	40.00	-8.07	-2.80	3	Horizontal	360	1.00	34.73	23.14	1.02	26.96
PK	130.88M	23.86	43.50	-19.64	-9.11	3	Horizontal	360	1.00	32.97	17.02	1.61	27.74
PK	286.08M	24.67	46.00	-21.33	-6.65	3	Horizontal	360	1.00	31.32	18.09	2.44	27.18
PK	369.5M	25.84	46.00	-20.16	-4.84	3	Horizontal	360	1.00	30.68	20.01	2.78	27.63
PK	495.6M	32.01	46.00	-13.99	-2.38	3	Horizontal	360	1.00	34.39	22.66	3.29	28.33
PK	728.4M	35.29	46.00	-10.71	0.21	3	Horizontal	360	1.00	35.08	24.59	3.90	28.28

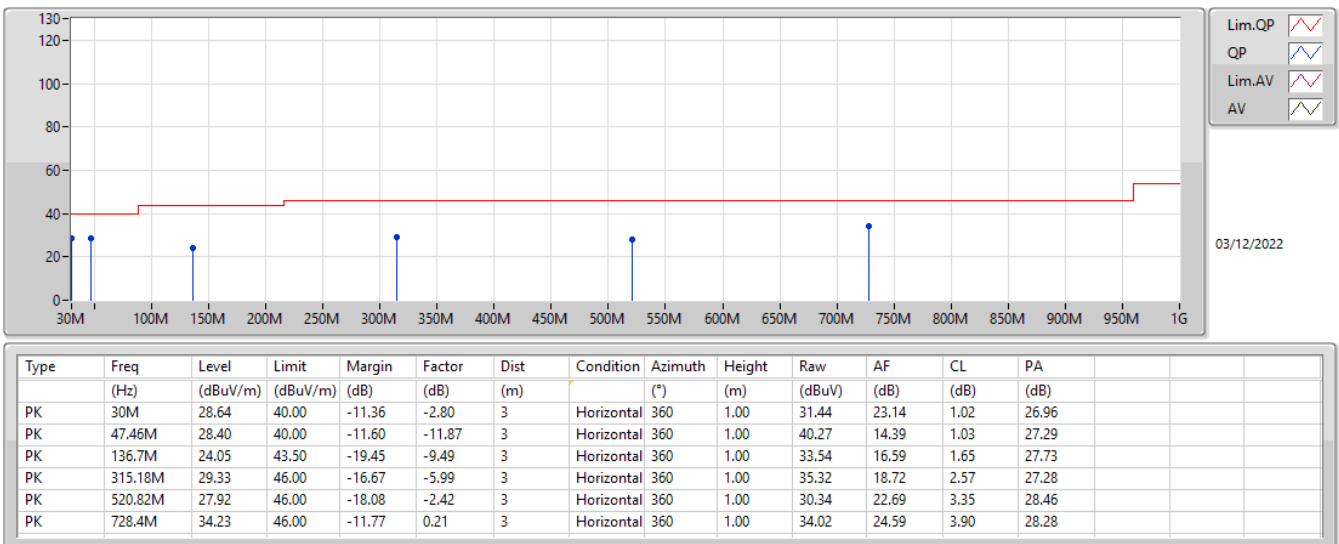
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_Test Fixture 5V



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_Test Fixture 5V





Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	4.924G	51.91	54.00	-2.09	3	Vertical	354	1.47	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.389G	50.72	54.00	-3.28	3	Horizontal	360	1.84	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4838G	51.14	54.00	-2.86	3	Horizontal	357	2.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386G	40.99	54.00	-13.01	3	Vertical	0	1.58	-
2412MHz	Pass	AV	2.4112G	100.02	Inf	-Inf	3	Vertical	0	1.58	-
2412MHz	Pass	PK	2.39G	60.04	74.00	-13.96	3	Vertical	0	1.58	-
2412MHz	Pass	PK	2.411G	102.78	Inf	-Inf	3	Vertical	0	1.58	-
2412MHz	Pass	AV	2.3858G	44.83	54.00	-9.17	3	Horizontal	354	1.55	-
2412MHz	Pass	AV	2.4112G	103.46	Inf	-Inf	3	Horizontal	354	1.55	-
2412MHz	Pass	PK	2.39G	63.25	74.00	-10.75	3	Horizontal	354	1.55	-
2412MHz	Pass	PK	2.411G	106.23	Inf	-Inf	3	Horizontal	354	1.55	-
2412MHz	Pass	AV	4.82396G	49.13	54.00	-4.87	3	Vertical	38	1.76	-
2412MHz	Pass	PK	4.82396G	52.86	74.00	-21.14	3	Vertical	38	1.76	-
2412MHz	Pass	AV	4.824G	51.73	54.00	-2.27	3	Horizontal	335	1.63	-
2412MHz	Pass	PK	4.82404G	54.61	74.00	-19.39	3	Horizontal	335	1.63	-
2417MHz	Pass	AV	2.3776G	39.49	54.00	-14.51	3	Vertical	360	1.91	-
2417MHz	Pass	AV	2.4178G	99.56	Inf	-Inf	3	Vertical	360	1.91	-
2417MHz	Pass	PK	2.3892G	58.27	74.00	-15.73	3	Vertical	360	1.91	-
2417MHz	Pass	PK	2.418G	102.30	Inf	-Inf	3	Vertical	360	1.91	-
2417MHz	Pass	AV	2.39G	40.44	54.00	-13.56	3	Horizontal	0	1.78	-
2417MHz	Pass	AV	2.4178G	102.48	Inf	-Inf	3	Horizontal	0	1.78	-
2417MHz	Pass	PK	2.3898G	60.19	74.00	-13.81	3	Horizontal	0	1.78	-
2417MHz	Pass	PK	2.4178G	105.28	Inf	-Inf	3	Horizontal	0	1.78	-
2417MHz	Pass	AV	4.834G	47.28	54.00	-6.72	3	Vertical	38	1.95	-
2417MHz	Pass	AV	7.252G	41.52	54.00	-12.48	3	Vertical	332	2.47	-
2417MHz	Pass	PK	4.83388G	51.76	74.00	-22.24	3	Vertical	38	1.95	-
2417MHz	Pass	PK	7.25004G	53.50	74.00	-20.50	3	Vertical	332	2.47	-
2417MHz	Pass	AV	4.834G	50.17	54.00	-3.83	3	Horizontal	12	1.49	-
2417MHz	Pass	AV	7.25024G	43.79	54.00	-10.21	3	Horizontal	74	1.88	-
2417MHz	Pass	PK	4.83396G	53.55	74.00	-20.45	3	Horizontal	12	1.49	-
2417MHz	Pass	PK	7.25168G	54.21	74.00	-19.79	3	Horizontal	74	1.88	-
2437MHz	Pass	AV	2.3846G	39.46	54.00	-14.54	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.4362G	102.23	Inf	-Inf	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.4966G	39.70	54.00	-14.30	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.3886G	54.79	74.00	-19.21	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.4362G	104.96	Inf	-Inf	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.4838G	53.42	74.00	-20.58	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.389G	39.96	54.00	-14.04	3	Horizontal	352	1.83	-
2437MHz	Pass	AV	2.4362G	106.40	Inf	-Inf	3	Horizontal	352	1.83	-
2437MHz	Pass	AV	2.4835G	39.81	54.00	-14.19	3	Horizontal	352	1.83	-
2437MHz	Pass	PK	2.3898G	57.69	74.00	-16.31	3	Horizontal	352	1.83	-
2437MHz	Pass	PK	2.4362G	109.19	Inf	-Inf	3	Horizontal	352	1.83	-
2437MHz	Pass	PK	2.4835G	56.91	74.00	-17.09	3	Horizontal	352	1.83	-
2437MHz	Pass	AV	4.874G	49.96	54.00	-4.04	3	Vertical	352	1.50	-
2437MHz	Pass	AV	7.31024G	47.69	54.00	-6.31	3	Vertical	339	2.20	-
2437MHz	Pass	PK	4.87404G	53.76	74.00	-20.24	3	Vertical	352	1.50	-
2437MHz	Pass	PK	7.31044G	55.82	74.00	-18.18	3	Vertical	339	2.20	-
2437MHz	Pass	AV	4.87404G	51.66	54.00	-2.34	3	Horizontal	11	1.26	-
2437MHz	Pass	AV	7.31024G	47.79	54.00	-6.21	3	Horizontal	75	1.82	-
2437MHz	Pass	PK	4.87388G	54.61	74.00	-19.39	3	Horizontal	11	1.26	-
2437MHz	Pass	PK	7.31132G	55.17	74.00	-18.83	3	Horizontal	75	1.82	-
2462MHz	Pass	AV	2.4612G	103.12	Inf	-Inf	3	Vertical	358	1.29	-
2462MHz	Pass	AV	2.4835G	45.78	54.00	-8.22	3	Vertical	358	1.29	-
2462MHz	Pass	PK	2.4612G	105.90	Inf	-Inf	3	Vertical	358	1.29	-
2462MHz	Pass	PK	2.4835G	63.94	74.00	-10.06	3	Vertical	358	1.29	-
2462MHz	Pass	AV	2.4602G	105.18	Inf	-Inf	3	Horizontal	352	2.16	-
2462MHz	Pass	AV	2.4835G	47.88	54.00	-6.12	3	Horizontal	352	2.16	-
2462MHz	Pass	PK	2.461G	108.04	Inf	-Inf	3	Horizontal	352	2.16	-
2462MHz	Pass	PK	2.4835G	64.67	74.00	-9.33	3	Horizontal	352	2.16	-
2462MHz	Pass	AV	4.924G	51.91	54.00	-2.09	3	Vertical	354	1.47	-
2462MHz	Pass	AV	7.38676G	46.43	54.00	-7.57	3	Vertical	343	1.43	-
2462MHz	Pass	PK	4.924G	54.99	74.00	-19.01	3	Vertical	354	1.47	-
2462MHz	Pass	PK	7.38504G	54.86	74.00	-19.14	3	Vertical	343	1.43	-

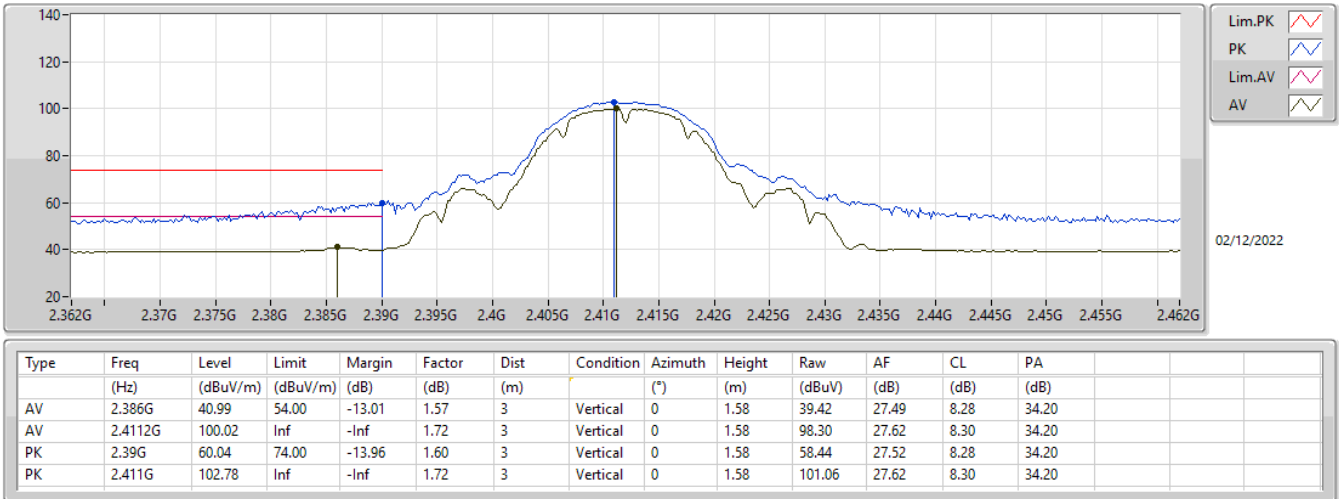
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92404G	50.76	54.00	-3.24	3	Horizontal	57	1.97	-
2462MHz	Pass	AV	7.38672G	49.29	54.00	-4.71	3	Horizontal	148	1.98	-
2462MHz	Pass	PK	4.924G	53.92	74.00	-20.08	3	Horizontal	57	1.97	-
2462MHz	Pass	PK	7.38556G	56.22	74.00	-17.78	3	Horizontal	148	1.98	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	44.32	54.00	-9.68	3	Vertical	360	1.60	-
2412MHz	Pass	AV	2.4128G	91.30	Inf	-Inf	3	Vertical	360	1.60	-
2412MHz	Pass	PK	2.39G	63.03	74.00	-10.97	3	Vertical	360	1.60	-
2412MHz	Pass	PK	2.4146G	101.08	Inf	-Inf	3	Vertical	360	1.60	-
2412MHz	Pass	AV	2.39G	48.72	54.00	-5.28	3	Horizontal	344	1.50	-
2412MHz	Pass	AV	2.406G	95.00	Inf	-Inf	3	Horizontal	344	1.50	-
2412MHz	Pass	PK	2.39G	68.98	74.00	-5.02	3	Horizontal	344	1.50	-
2412MHz	Pass	PK	2.4058G	104.72	Inf	-Inf	3	Horizontal	344	1.50	-
2412MHz	Pass	AV	4.8243G	33.40	54.00	-20.60	3	Vertical	38	1.96	-
2412MHz	Pass	PK	4.8231G	46.11	74.00	-27.89	3	Vertical	38	1.96	-
2412MHz	Pass	AV	4.82364G	34.14	54.00	-19.86	3	Horizontal	334	1.50	-
2412MHz	Pass	PK	4.81926G	46.74	74.00	-27.26	3	Horizontal	334	1.50	-
2417MHz	Pass	AV	2.3898G	43.66	54.00	-10.34	3	Vertical	360	1.48	-
2417MHz	Pass	AV	2.4226G	95.00	Inf	-Inf	3	Vertical	360	1.48	-
2417MHz	Pass	PK	2.3884G	63.47	74.00	-10.53	3	Vertical	360	1.48	-
2417MHz	Pass	PK	2.4224G	104.20	Inf	-Inf	3	Vertical	360	1.48	-
2417MHz	Pass	AV	2.39G	48.20	54.00	-5.80	3	Horizontal	0	1.42	-
2417MHz	Pass	AV	2.4228G	99.10	Inf	-Inf	3	Horizontal	0	1.42	-
2417MHz	Pass	PK	2.388G	69.85	74.00	-4.15	3	Horizontal	0	1.42	-
2417MHz	Pass	PK	2.4228G	109.15	Inf	-Inf	3	Horizontal	0	1.42	-
2437MHz	Pass	AV	2.3898G	48.34	54.00	-5.66	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.4358G	100.41	Inf	-Inf	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.4835G	46.79	54.00	-7.21	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.389G	68.93	74.00	-5.07	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.431G	110.27	Inf	-Inf	3	Vertical	360	2.31	-
2437MHz	Pass	PK	2.4842G	65.86	74.00	-8.14	3	Vertical	360	2.31	-
2437MHz	Pass	AV	2.389G	50.72	54.00	-3.28	3	Horizontal	360	1.84	-
2437MHz	Pass	AV	2.4306G	103.51	Inf	-Inf	3	Horizontal	360	1.84	-
2437MHz	Pass	AV	2.4835G	49.24	54.00	-4.76	3	Horizontal	360	1.84	-
2437MHz	Pass	PK	2.3898G	70.21	74.00	-3.79	3	Horizontal	360	1.84	-
2437MHz	Pass	PK	2.431G	113.09	Inf	-Inf	3	Horizontal	360	1.84	-
2437MHz	Pass	PK	2.4835G	68.28	74.00	-5.72	3	Horizontal	360	1.84	-
2437MHz	Pass	AV	4.87408G	42.22	54.00	-11.78	3	Vertical	36	2.02	-
2437MHz	Pass	AV	7.31424G	48.86	54.00	-5.14	3	Vertical	242	2.60	-
2437MHz	Pass	PK	4.86996G	55.11	74.00	-18.89	3	Vertical	36	2.02	-
2437MHz	Pass	PK	7.31226G	62.20	74.00	-11.80	3	Vertical	242	2.60	-
2437MHz	Pass	AV	4.87352G	44.61	54.00	-9.39	3	Horizontal	11	1.18	-
2437MHz	Pass	AV	7.30992G	49.38	54.00	-4.62	3	Horizontal	73	1.81	-
2437MHz	Pass	PK	4.87424G	57.42	74.00	-16.58	3	Horizontal	11	1.18	-
2437MHz	Pass	PK	7.30614G	62.76	74.00	-11.24	3	Horizontal	73	1.81	-
2457MHz	Pass	AV	2.4628G	98.65	Inf	-Inf	3	Vertical	24	2.77	-
2457MHz	Pass	AV	2.4836G	49.17	54.00	-4.83	3	Vertical	24	2.77	-
2457MHz	Pass	PK	2.4594G	108.02	Inf	-Inf	3	Vertical	24	2.77	-
2457MHz	Pass	PK	2.4836G	67.69	74.00	-6.31	3	Vertical	24	2.77	-
2457MHz	Pass	AV	2.4516G	99.38	Inf	-Inf	3	Horizontal	351	2.23	-
2457MHz	Pass	AV	2.4835G	49.53	54.00	-4.47	3	Horizontal	351	2.23	-
2457MHz	Pass	PK	2.4538G	109.65	Inf	-Inf	3	Horizontal	351	2.23	-
2457MHz	Pass	PK	2.4846G	69.66	74.00	-4.34	3	Horizontal	351	2.23	-
2462MHz	Pass	AV	2.468G	95.42	Inf	-Inf	3	Vertical	18	2.97	-
2462MHz	Pass	AV	2.4835G	50.50	54.00	-3.50	3	Vertical	18	2.97	-
2462MHz	Pass	PK	2.4644G	104.82	Inf	-Inf	3	Vertical	18	2.97	-
2462MHz	Pass	PK	2.4836G	69.76	74.00	-4.24	3	Vertical	18	2.97	-
2462MHz	Pass	AV	2.468G	95.85	Inf	-Inf	3	Horizontal	2	1.50	-
2462MHz	Pass	AV	2.4835G	50.56	54.00	-3.44	3	Horizontal	2	1.50	-
2462MHz	Pass	PK	2.469G	105.18	Inf	-Inf	3	Horizontal	2	1.50	-
2462MHz	Pass	PK	2.4835G	69.87	74.00	-4.13	3	Horizontal	2	1.50	-
2462MHz	Pass	AV	4.9232G	34.25	54.00	-19.75	3	Vertical	360	1.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	7.3804G	38.28	54.00	-15.72	3	Vertical	156	1.50	-
2462MHz	Pass	PK	4.92172G	46.92	74.00	-27.08	3	Vertical	360	1.63	-
2462MHz	Pass	PK	7.39288G	51.68	74.00	-22.32	3	Vertical	156	1.50	-
2462MHz	Pass	AV	4.9246G	34.42	54.00	-19.58	3	Horizontal	55	2.13	-
2462MHz	Pass	AV	7.38084G	38.41	54.00	-15.59	3	Horizontal	70	1.70	-
2462MHz	Pass	PK	4.91616G	47.33	74.00	-26.67	3	Horizontal	55	2.13	-
2462MHz	Pass	PK	7.38786G	51.96	74.00	-22.04	3	Horizontal	70	1.70	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	44.29	54.00	-9.71	3	Vertical	0	1.60	-
2412MHz	Pass	AV	2.4108G	90.51	Inf	-Inf	3	Vertical	0	1.60	-
2412MHz	Pass	PK	2.3886G	63.35	74.00	-10.65	3	Vertical	0	1.60	-
2412MHz	Pass	PK	2.4056G	100.59	Inf	-Inf	3	Vertical	0	1.60	-
2412MHz	Pass	AV	2.39G	50.66	54.00	-3.34	3	Horizontal	341	1.50	-
2412MHz	Pass	AV	2.407G	95.02	Inf	-Inf	3	Horizontal	341	1.50	-
2412MHz	Pass	PK	2.3898G	68.59	74.00	-5.41	3	Horizontal	341	1.50	-
2412MHz	Pass	PK	2.4058G	104.88	Inf	-Inf	3	Horizontal	341	1.50	-
2412MHz	Pass	AV	4.82196G	33.18	54.00	-20.82	3	Vertical	41	3.00	-
2412MHz	Pass	PK	4.8246G	46.49	74.00	-27.51	3	Vertical	41	3.00	-
2412MHz	Pass	AV	4.82096G	33.63	54.00	-20.37	3	Horizontal	2	1.62	-
2412MHz	Pass	PK	4.82464G	46.48	74.00	-27.52	3	Horizontal	2	1.62	-
2417MHz	Pass	AV	2.3898G	45.27	54.00	-8.73	3	Vertical	0	1.50	-
2417MHz	Pass	AV	2.423G	95.10	Inf	-Inf	3	Vertical	0	1.50	-
2417MHz	Pass	PK	2.39G	66.82	74.00	-7.18	3	Vertical	0	1.50	-
2417MHz	Pass	PK	2.421G	105.25	Inf	-Inf	3	Vertical	0	1.50	-
2417MHz	Pass	AV	2.3898G	49.23	54.00	-4.77	3	Horizontal	353	1.54	-
2417MHz	Pass	AV	2.4118G	98.65	Inf	-Inf	3	Horizontal	353	1.54	-
2417MHz	Pass	PK	2.3896G	70.93	74.00	-3.07	3	Horizontal	353	1.54	-
2417MHz	Pass	PK	2.4106G	108.72	Inf	-Inf	3	Horizontal	353	1.54	-
2437MHz	Pass	AV	2.3898G	46.99	54.00	-7.01	3	Vertical	360	2.30	-
2437MHz	Pass	AV	2.4326G	99.03	Inf	-Inf	3	Vertical	360	2.30	-
2437MHz	Pass	AV	2.4835G	45.58	54.00	-8.42	3	Vertical	360	2.30	-
2437MHz	Pass	PK	2.3898G	68.56	74.00	-5.44	3	Vertical	360	2.30	-
2437MHz	Pass	PK	2.431G	109.06	Inf	-Inf	3	Vertical	360	2.30	-
2437MHz	Pass	PK	2.4842G	69.58	74.00	-4.42	3	Vertical	360	2.30	-
2437MHz	Pass	AV	2.3898G	49.25	54.00	-4.75	3	Horizontal	360	1.80	-
2437MHz	Pass	AV	2.4318G	102.26	Inf	-Inf	3	Horizontal	360	1.80	-
2437MHz	Pass	AV	2.4835G	47.05	54.00	-6.95	3	Horizontal	360	1.80	-
2437MHz	Pass	PK	2.3894G	70.67	74.00	-3.33	3	Horizontal	360	1.80	-
2437MHz	Pass	PK	2.4314G	112.45	Inf	-Inf	3	Horizontal	360	1.80	-
2437MHz	Pass	PK	2.4846G	70.13	74.00	-3.87	3	Horizontal	360	1.80	-
2437MHz	Pass	AV	4.87316G	40.94	54.00	-13.06	3	Vertical	36	2.05	-
2437MHz	Pass	AV	7.30948G	47.44	54.00	-6.56	3	Vertical	339	2.21	-
2437MHz	Pass	PK	4.86944G	54.46	74.00	-19.54	3	Vertical	36	2.05	-
2437MHz	Pass	PK	7.31124G	61.17	74.00	-12.83	3	Vertical	339	2.21	-
2437MHz	Pass	AV	4.87436G	43.12	54.00	-10.88	3	Horizontal	11	1.20	-
2437MHz	Pass	AV	7.31048G	47.86	54.00	-6.14	3	Horizontal	77	1.83	-
2437MHz	Pass	PK	4.87512G	56.97	74.00	-17.03	3	Horizontal	11	1.20	-
2437MHz	Pass	PK	7.31116G	61.67	74.00	-12.33	3	Horizontal	77	1.83	-
2457MHz	Pass	AV	2.4636G	96.41	Inf	-Inf	3	Vertical	23	2.87	-
2457MHz	Pass	AV	2.4835G	46.04	54.00	-7.96	3	Vertical	23	2.87	-
2457MHz	Pass	PK	2.4612G	106.50	Inf	-Inf	3	Vertical	23	2.87	-
2457MHz	Pass	PK	2.4846G	68.68	74.00	-5.32	3	Vertical	23	2.87	-
2457MHz	Pass	AV	2.4558G	97.74	Inf	-Inf	3	Horizontal	352	2.14	-
2457MHz	Pass	AV	2.4835G	45.86	54.00	-8.14	3	Horizontal	352	2.14	-
2457MHz	Pass	PK	2.4506G	107.61	Inf	-Inf	3	Horizontal	352	2.14	-
2457MHz	Pass	PK	2.4836G	68.96	74.00	-5.04	3	Horizontal	352	2.14	-
2462MHz	Pass	AV	2.4678G	91.94	Inf	-Inf	3	Vertical	360	2.97	-
2462MHz	Pass	AV	2.4835G	49.06	54.00	-4.94	3	Vertical	360	2.97	-
2462MHz	Pass	PK	2.467G	101.85	Inf	-Inf	3	Vertical	360	2.97	-
2462MHz	Pass	PK	2.4835G	69.67	74.00	-4.33	3	Vertical	360	2.97	-
2462MHz	Pass	AV	2.456G	94.48	Inf	-Inf	3	Horizontal	357	2.00	-
2462MHz	Pass	AV	2.4838G	51.14	54.00	-2.86	3	Horizontal	357	2.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4542G	104.30	Inf	-Inf	3	Horizontal	357	2.00	-
2462MHz	Pass	PK	2.4836G	70.28	74.00	-3.72	3	Horizontal	357	2.00	-
2462MHz	Pass	AV	4.92016G	34.08	54.00	-19.92	3	Vertical	356	1.35	-
2462MHz	Pass	AV	7.38252G	38.24	54.00	-15.76	3	Vertical	130	1.50	-
2462MHz	Pass	PK	4.92712G	47.15	74.00	-26.85	3	Vertical	356	1.35	-
2462MHz	Pass	PK	7.37724G	51.38	74.00	-22.62	3	Vertical	130	1.50	-
2462MHz	Pass	AV	4.92412G	33.91	54.00	-20.09	3	Horizontal	1	1.50	-
2462MHz	Pass	AV	7.377G	38.27	54.00	-15.73	3	Horizontal	313	1.50	-
2462MHz	Pass	PK	4.91448G	47.43	74.00	-26.57	3	Horizontal	1	1.50	-
2462MHz	Pass	PK	7.38828G	52.54	74.00	-21.46	3	Horizontal	313	1.50	-

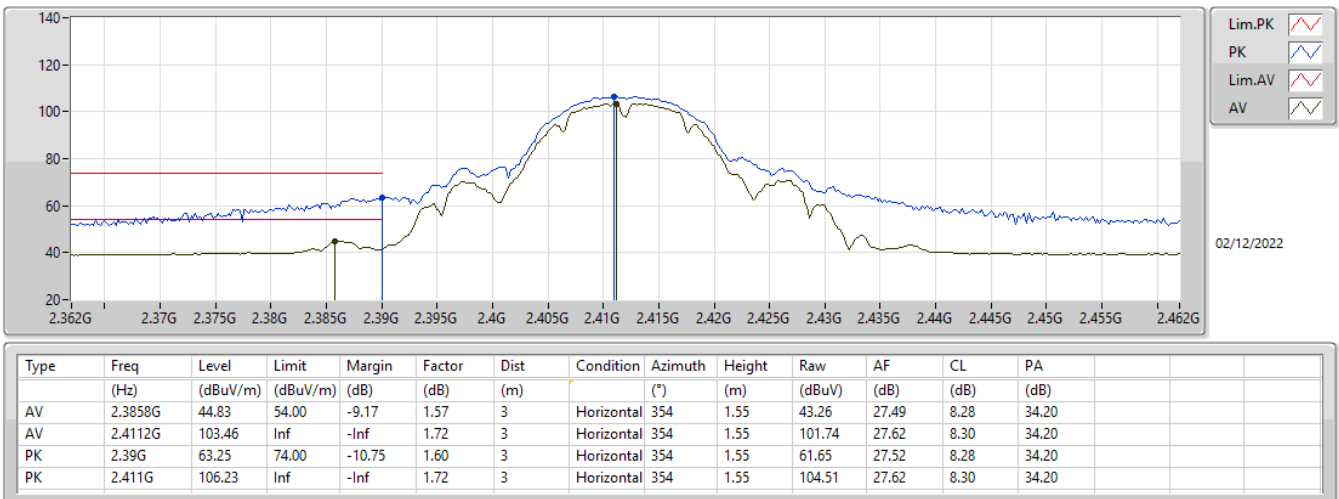
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX



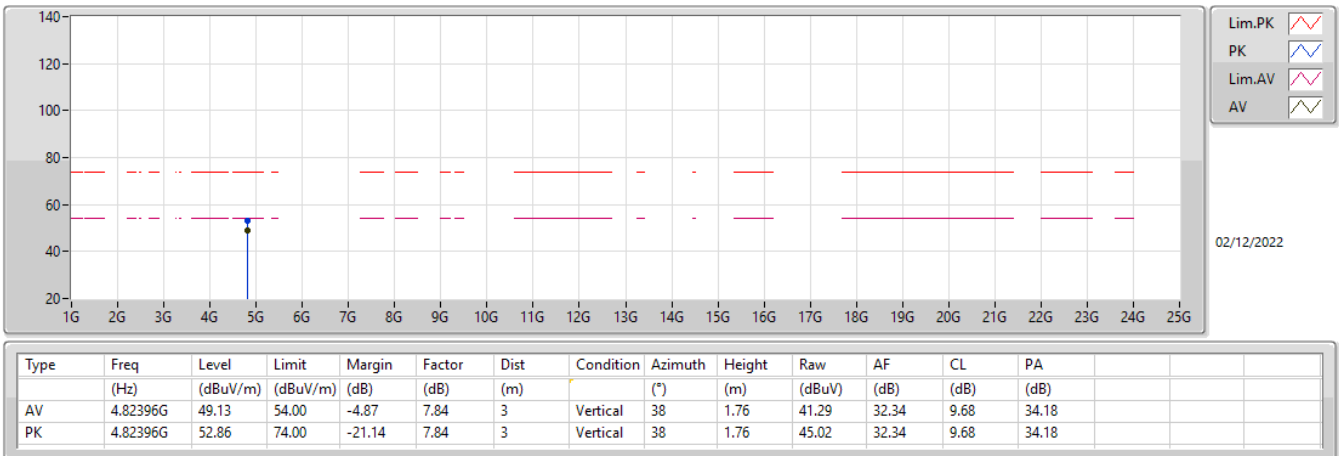
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX



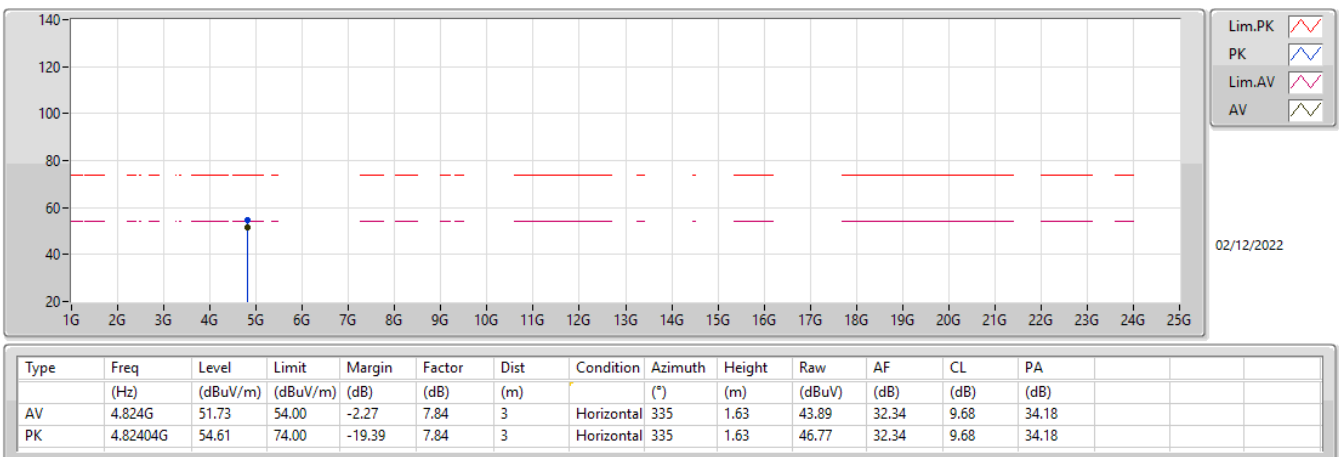
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX



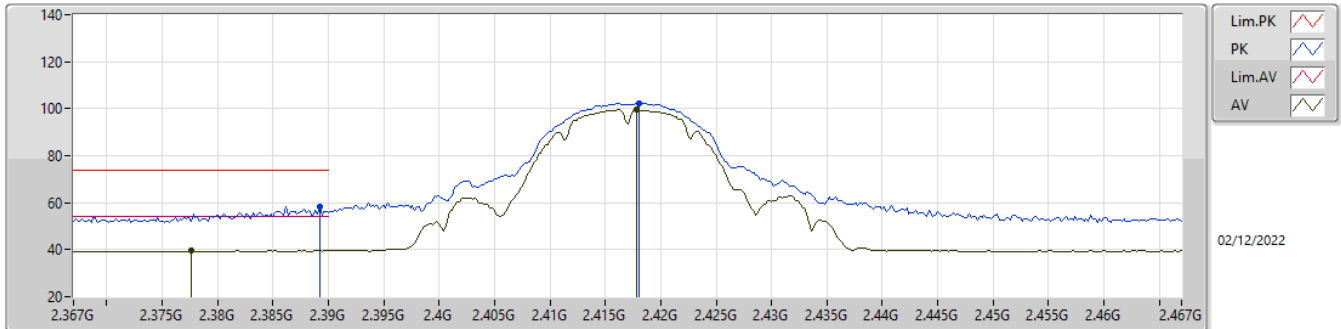
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

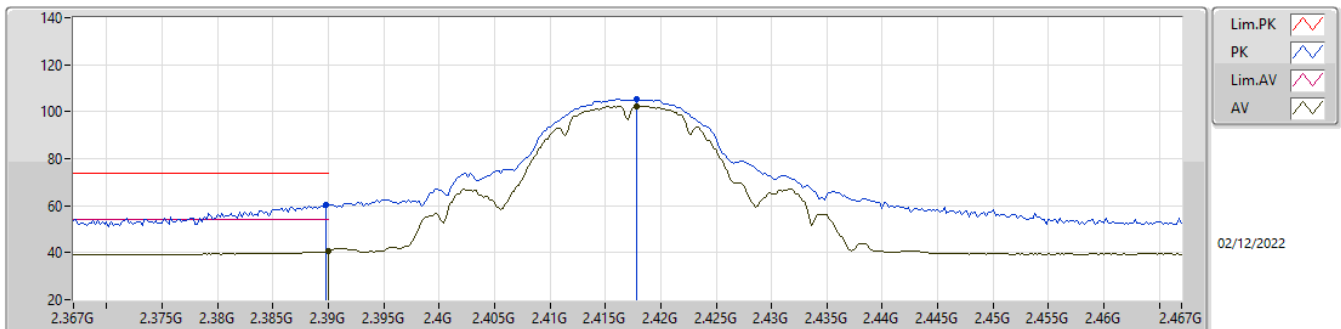
2417MHz_TX



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	2.3776G	39.49	54.00	-14.51	1.49	3	Vertical	360	1.91	38.00	27.42	8.27	34.20
AV	2.4178G	99.56	Inf	-Inf	1.74	3	Vertical	360	1.91	97.82	27.64	8.30	34.20
PK	2.3892G	58.27	74.00	-15.73	1.59	3	Vertical	360	1.91	56.68	27.51	8.28	34.20
PK	2.418G	102.30	Inf	-Inf	1.74	3	Vertical	360	1.91	100.56	27.64	8.30	34.20

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

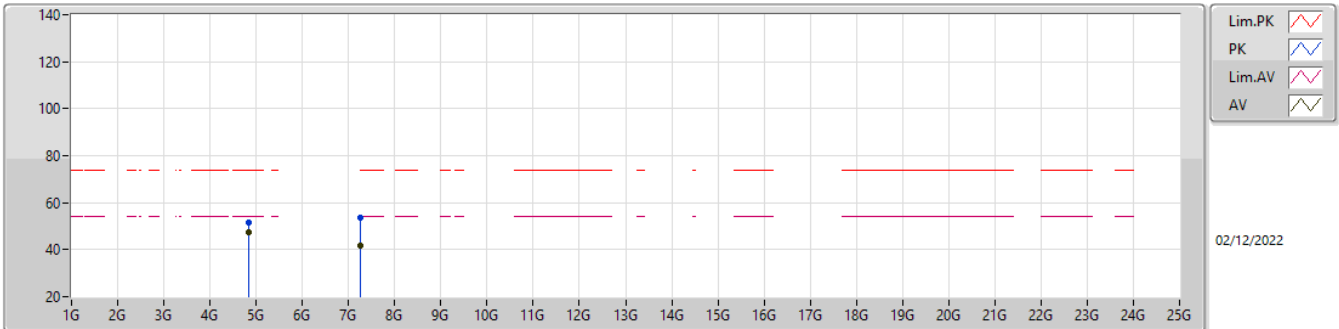
2417MHz_TX



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	40.44	54.00	-13.56	1.60	3	Horizontal	0	1.78	38.84	27.52	8.28	34.20
AV	2.4178G	102.48	Inf	-Inf	1.74	3	Horizontal	0	1.78	100.74	27.64	8.30	34.20
PK	2.3898G	60.19	74.00	-13.81	1.60	3	Horizontal	0	1.78	58.59	27.52	8.28	34.20
PK	2.4178G	105.28	Inf	-Inf	1.74	3	Horizontal	0	1.78	103.54	27.64	8.30	34.20

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

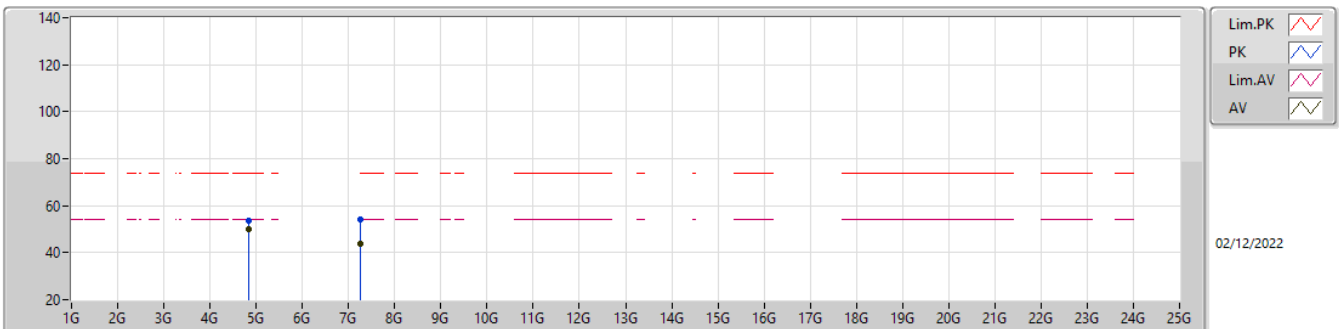
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA				
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)				
AV	4.834G	47.28	54.00	-6.72	7.90	3	Vertical	38	1.95	39.38	32.40	9.68	34.18				
AV	7.252G	41.52	54.00	-12.48	13.81	3	Vertical	332	2.47	27.71	36.99	11.31	34.49				
PK	4.83388G	51.76	74.00	-22.24	7.90	3	Vertical	38	1.95	43.86	32.40	9.68	34.18				
PK	7.25004G	53.50	74.00	-20.50	13.82	3	Vertical	332	2.47	39.68	37.00	11.31	34.49				

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

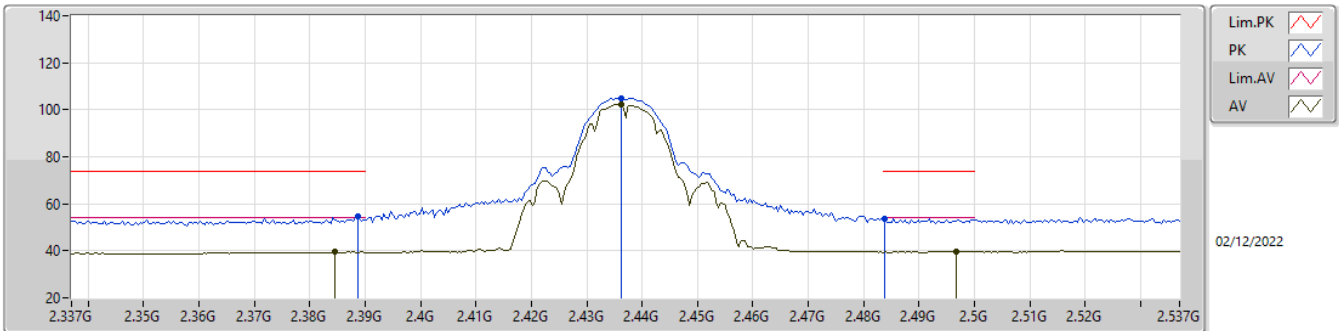
2417MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Raw	AF	CL	PA			
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	(dBuV)	(dB)	(dB)	(dB)			
AV	4.834G	50.17	54.00	-3.83	7.90	3	Horizontal	12	1.49	42.27	32.40	9.68	34.18			
AV	7.25024G	43.79	54.00	-10.21	13.82	3	Horizontal	74	1.88	29.97	37.00	11.31	34.49			
PK	4.83396G	53.55	74.00	-20.45	7.90	3	Horizontal	12	1.49	45.65	32.40	9.68	34.18			
PK	7.25168G	54.21	74.00	-19.79	13.81	3	Horizontal	74	1.88	40.40	36.99	11.31	34.49			

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

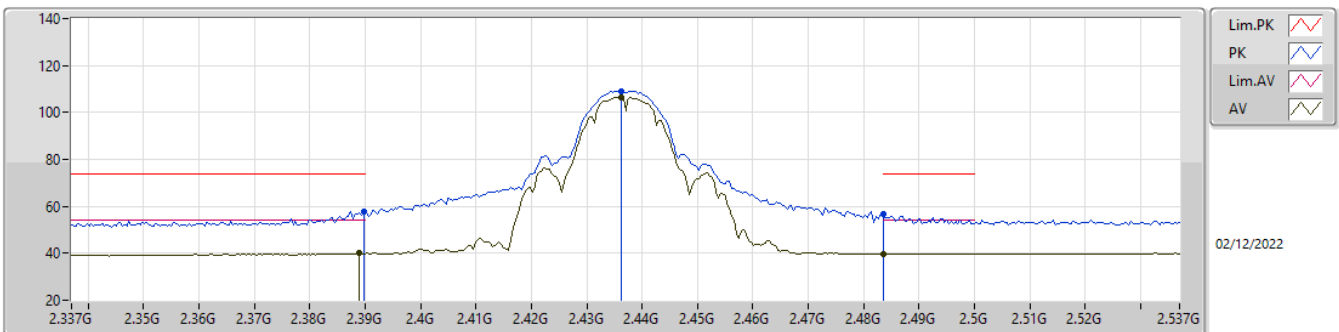
2437MHz_TX



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	2.3846G	39.46	54.00	-14.54	1.56	3	Vertical	360	2.31	37.90	27.48	8.28	34.20
AV	2.4362G	102.23	Inf	-Inf	1.77	3	Vertical	360	2.31	100.46	27.67	8.31	34.21
AV	2.4966G	39.70	54.00	-14.30	2.02	3	Vertical	360	2.31	37.68	27.89	8.35	34.22
PK	2.3886G	54.79	74.00	-19.21	1.59	3	Vertical	360	2.31	53.20	27.51	8.28	34.20
PK	2.4362G	104.96	Inf	-Inf	1.77	3	Vertical	360	2.31	103.19	27.67	8.31	34.21
PK	2.4838G	53.42	74.00	-20.58	1.96	3	Vertical	360	2.31	51.46	27.84	8.34	34.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

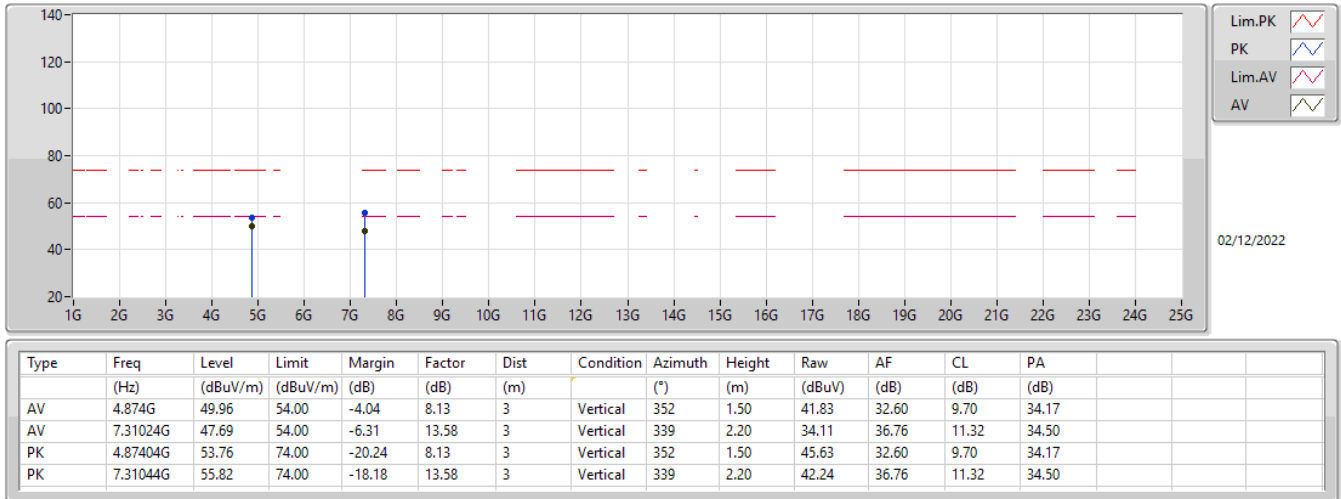
2437MHz_TX



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	2.389G	39.96	54.00	-14.04	1.59	3	Horizontal	352	1.83	38.37	27.51	8.28	34.20
AV	2.4362G	106.40	Inf	-Inf	1.77	3	Horizontal	352	1.83	104.63	27.67	8.31	34.21
AV	2.4835G	39.81	54.00	-14.19	1.95	3	Horizontal	352	1.83	37.86	27.83	8.34	34.22
PK	2.3898G	57.69	74.00	-16.31	1.60	3	Horizontal	352	1.83	56.09	27.52	8.28	34.20
PK	2.4362G	109.19	Inf	-Inf	1.77	3	Horizontal	352	1.83	107.42	27.67	8.31	34.21
PK	2.4835G	56.91	74.00	-17.09	1.95	3	Horizontal	352	1.83	54.96	27.83	8.34	34.22

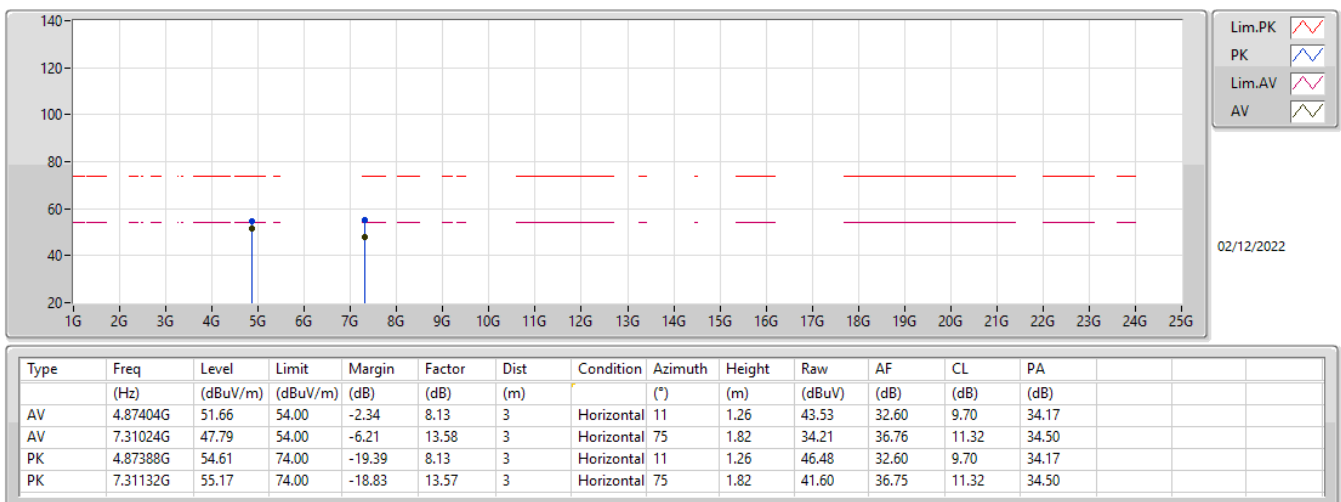
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX



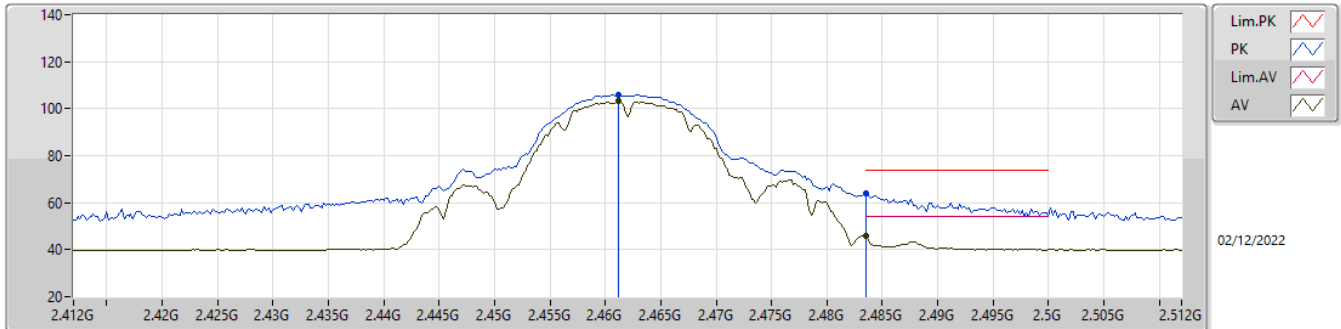
2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX



2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

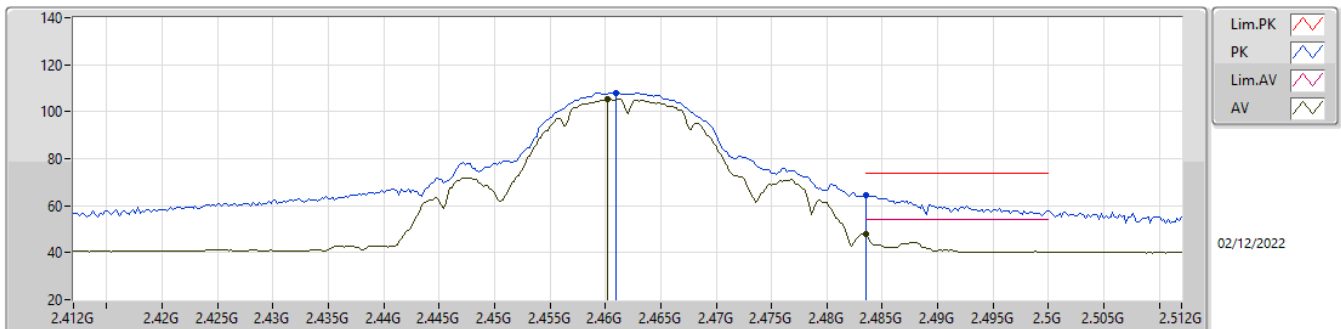
2462MHz_TX



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	103.12	Inf	-Inf	1.86	3	Vertical	358	1.29	101.26	27.74	8.33	34.21
AV	2.4835G	45.78	54.00	-8.22	1.95	3	Vertical	358	1.29	43.83	27.83	8.34	34.22
PK	2.4612G	105.90	Inf	-Inf	1.86	3	Vertical	358	1.29	104.04	27.74	8.33	34.21
PK	2.4835G	63.94	74.00	-10.06	1.95	3	Vertical	358	1.29	61.99	27.83	8.34	34.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

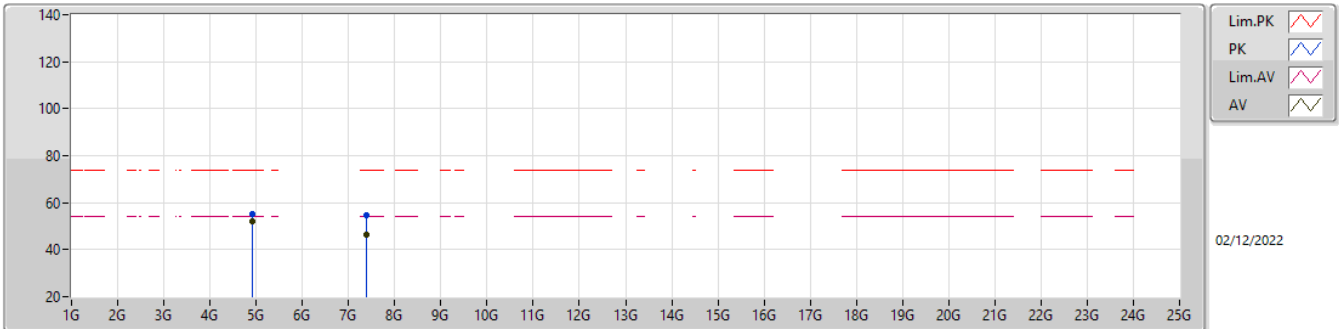
2462MHz_TX



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	2.4602G	105.18	Inf	-Inf	1.86	3	Horizontal	352	2.16	103.32	27.74	8.33	34.21
AV	2.4835G	47.88	54.00	-6.12	1.95	3	Horizontal	352	2.16	45.93	27.83	8.34	34.22
PK	2.461G	108.04	Inf	-Inf	1.86	3	Horizontal	352	2.16	106.18	27.74	8.33	34.21
PK	2.4835G	64.67	74.00	-9.33	1.95	3	Horizontal	352	2.16	62.72	27.83	8.34	34.22

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

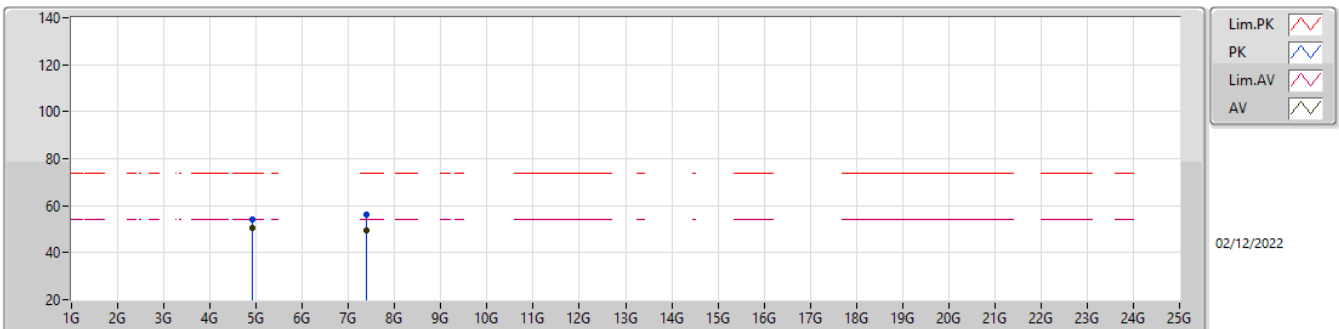
2462MHz_TX



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	51.91	54.00	-2.09	8.41	3	Vertical	354	1.47	43.50	32.84	9.72	34.15
AV	7.38676G	46.43	54.00	-7.57	13.28	3	Vertical	343	1.43	33.15	36.45	11.34	34.51
PK	4.924G	54.99	74.00	-19.01	8.41	3	Vertical	354	1.47	46.58	32.84	9.72	34.15
PK	7.38504G	54.86	74.00	-19.14	13.29	3	Vertical	343	1.43	41.57	36.46	11.34	34.51

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX

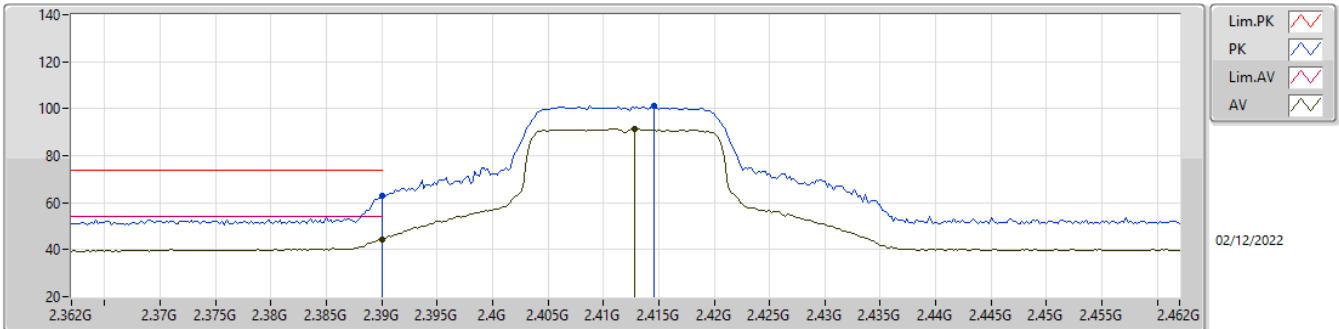
2462MHz_TX



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	4.92404G	50.76	54.00	-3.24	8.41	3	Horizontal	57	1.97	42.35	32.84	9.72	34.15
AV	7.38672G	49.29	54.00	-4.71	13.28	3	Horizontal	148	1.98	36.01	36.45	11.34	34.51
PK	4.924G	53.92	74.00	-20.08	8.41	3	Horizontal	57	1.97	45.51	32.84	9.72	34.15
PK	7.38556G	56.22	74.00	-17.78	13.29	3	Horizontal	148	1.98	42.93	36.46	11.34	34.51

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

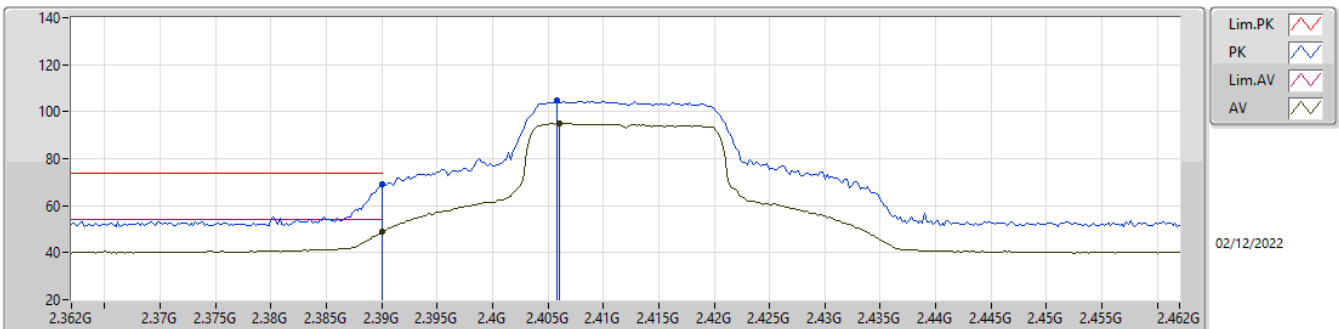
2412MHz_TX



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	44.32	54.00	-9.68	1.60	3	Vertical	360	1.60	42.72	27.52	8.28	34.20
AV	2.4128G	91.30	Inf	-Inf	1.73	3	Vertical	360	1.60	89.57	27.63	8.30	34.20
PK	2.39G	63.03	74.00	-10.97	1.60	3	Vertical	360	1.60	61.43	27.52	8.28	34.20
PK	2.4146G	101.08	Inf	-Inf	1.73	3	Vertical	360	1.60	99.35	27.63	8.30	34.20

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

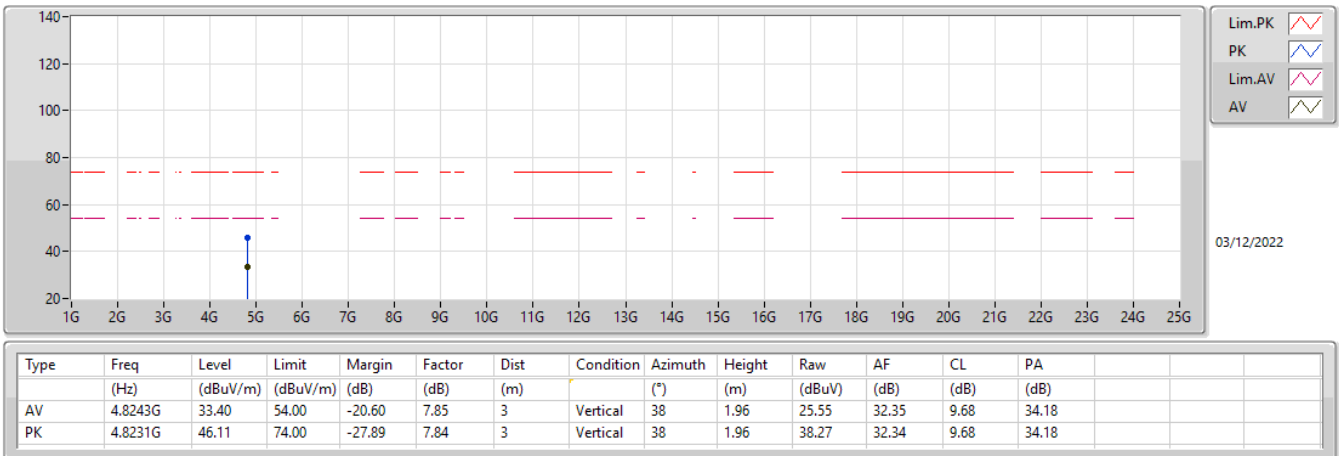
2412MHz_TX



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	48.72	54.00	-5.28	1.60	3	Horizontal	344	1.50	47.12	27.52	8.28	34.20
AV	2.406G	95.00	Inf	-Inf	1.70	3	Horizontal	344	1.50	93.30	27.61	8.29	34.20
PK	2.39G	68.98	74.00	-5.02	1.60	3	Horizontal	344	1.50	67.38	27.52	8.28	34.20
PK	2.4058G	104.72	Inf	-Inf	1.70	3	Horizontal	344	1.50	103.02	27.61	8.29	34.20

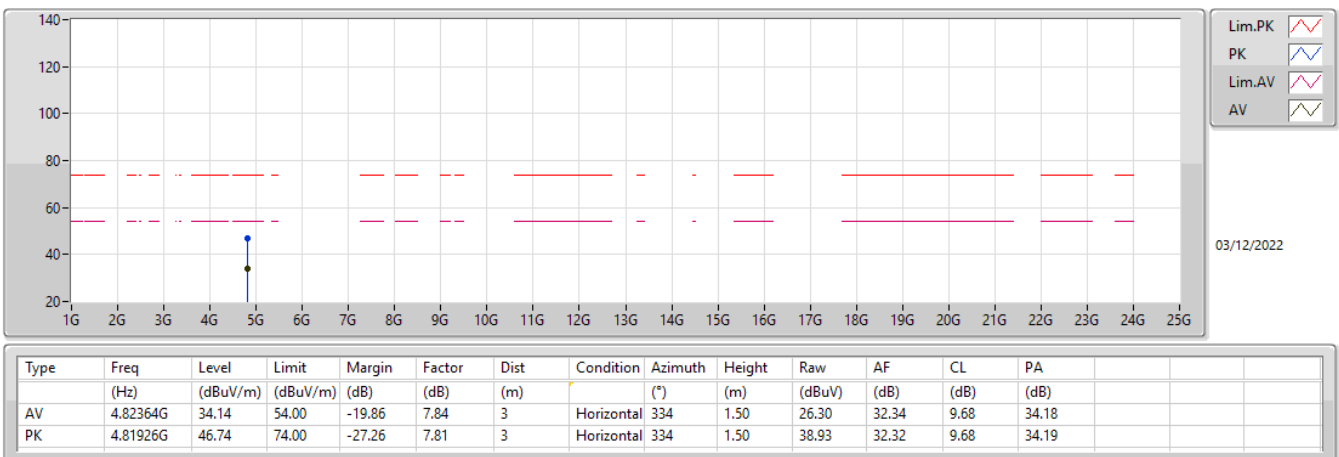
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX



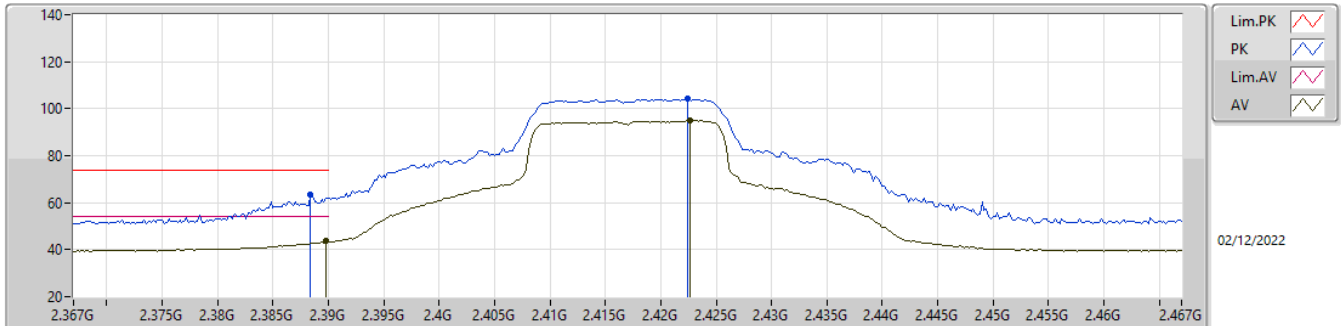
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

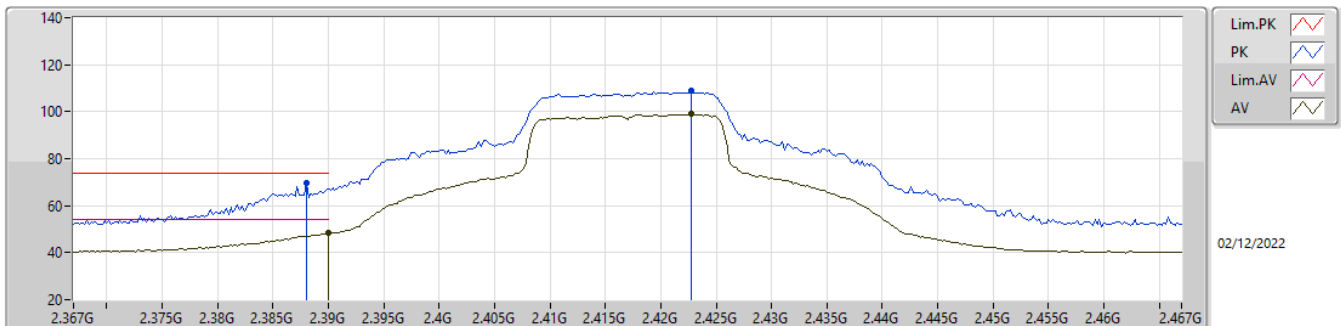
2417MHz_TX



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	2.3898G	43.66	54.00	-10.34	1.60	3	Vertical	360	1.48	42.06	27.52	8.28	34.20
AV	2.4226G	95.00	Inf	-Inf	1.75	3	Vertical	360	1.48	93.25	27.65	8.30	34.20
PK	2.3884G	63.47	74.00	-10.53	1.59	3	Vertical	360	1.48	61.88	27.51	8.28	34.20
PK	2.4224G	104.20	Inf	-Inf	1.74	3	Vertical	360	1.48	102.46	27.64	8.30	34.20

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

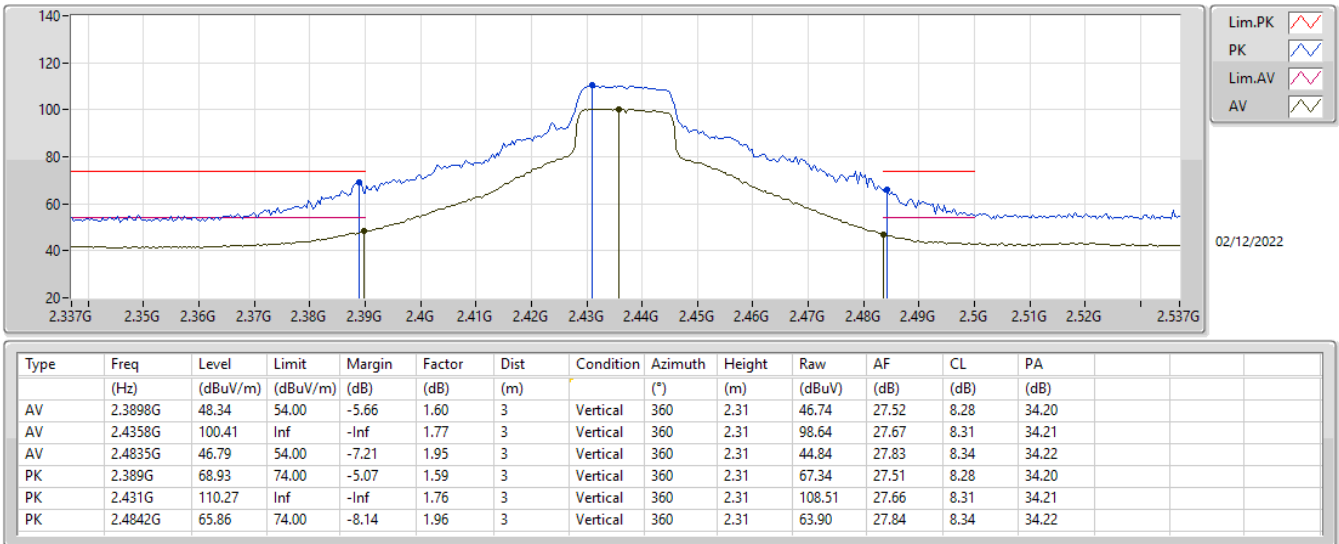
2417MHz_TX



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	48.20	54.00	-5.80	1.60	3	Horizontal	0	1.42	46.60	27.52	8.28	34.20
AV	2.4228G	99.10	Inf	-Inf	1.75	3	Horizontal	0	1.42	97.35	27.65	8.30	34.20
PK	2.388G	69.85	74.00	-4.15	1.58	3	Horizontal	0	1.42	68.27	27.50	8.28	34.20
PK	2.4228G	109.15	Inf	-Inf	1.75	3	Horizontal	0	1.42	107.40	27.65	8.30	34.20

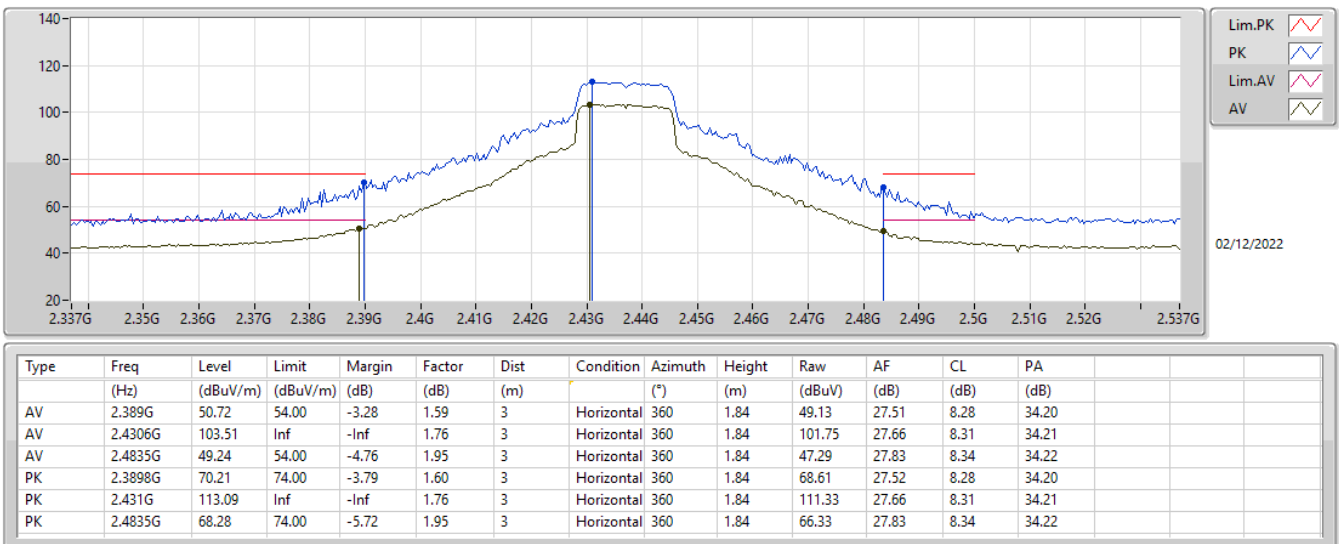
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX



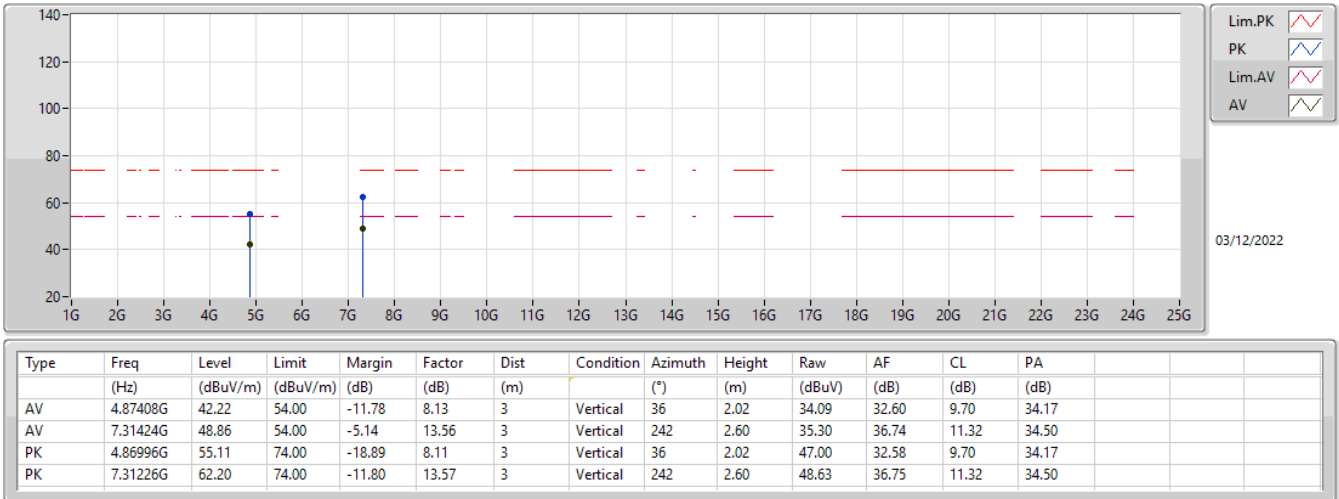
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX



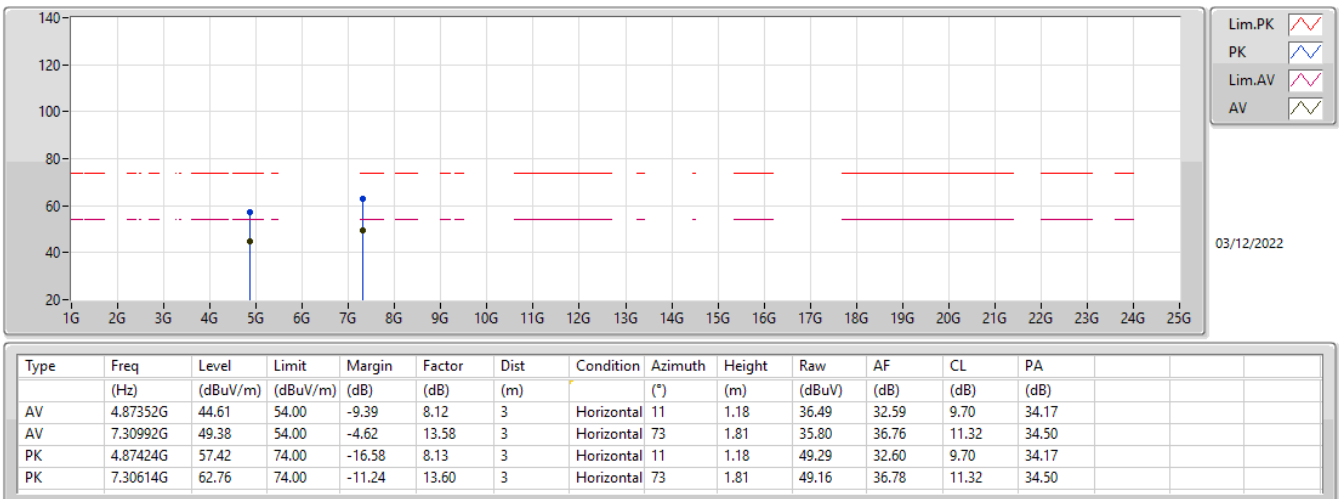
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX



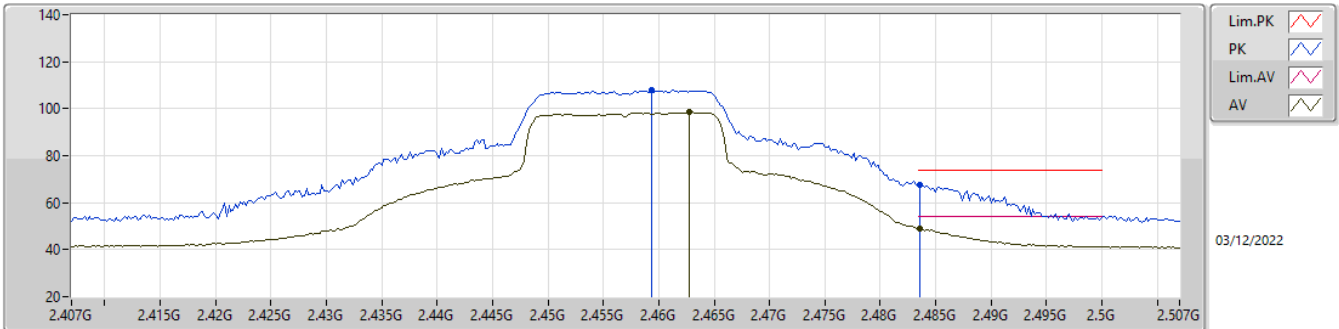
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX



2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

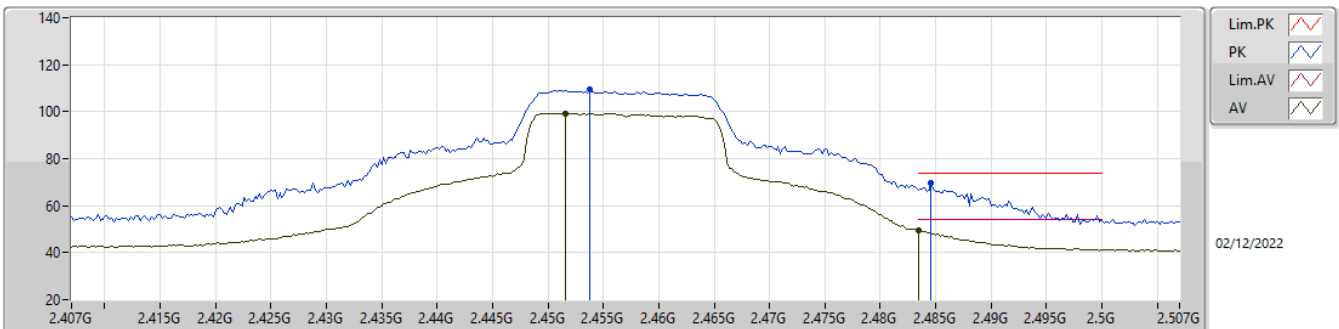
2457MHz_TX



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	2.4628G	98.65	Inf	-Inf	1.87	3	Vertical	24	2.77	96.78	27.75	8.33	34.21
AV	2.4836G	49.17	54.00	-4.83	1.95	3	Vertical	24	2.77	47.22	27.83	8.34	34.22
PK	2.4594G	108.02	Inf	-Inf	1.86	3	Vertical	24	2.77	106.16	27.74	8.33	34.21
PK	2.4836G	67.69	74.00	-6.31	1.95	3	Vertical	24	2.77	65.74	27.83	8.34	34.22

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

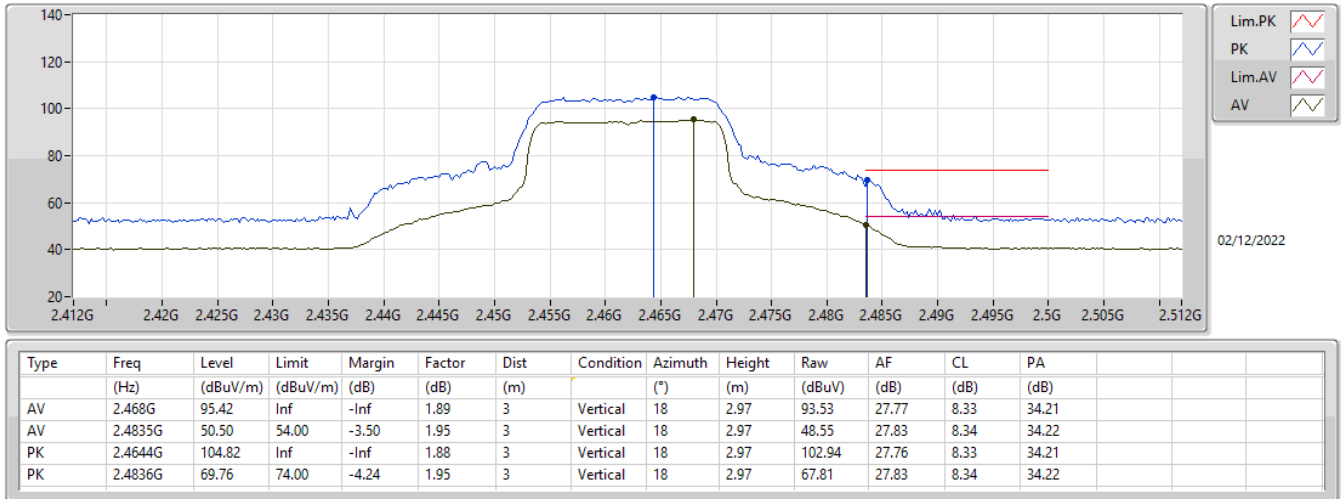
2457MHz_TX



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	2.4516G	99.38	Inf	-Inf	1.82	3	Horizontal	351	2.23	97.56	27.71	8.32	34.21
AV	2.4835G	49.53	54.00	-4.47	1.95	3	Horizontal	351	2.23	47.58	27.83	8.34	34.22
PK	2.4538G	109.65	Inf	-Inf	1.83	3	Horizontal	351	2.23	107.82	27.72	8.32	34.21
PK	2.4846G	69.66	74.00	-4.34	1.96	3	Horizontal	351	2.23	67.70	27.84	8.34	34.22

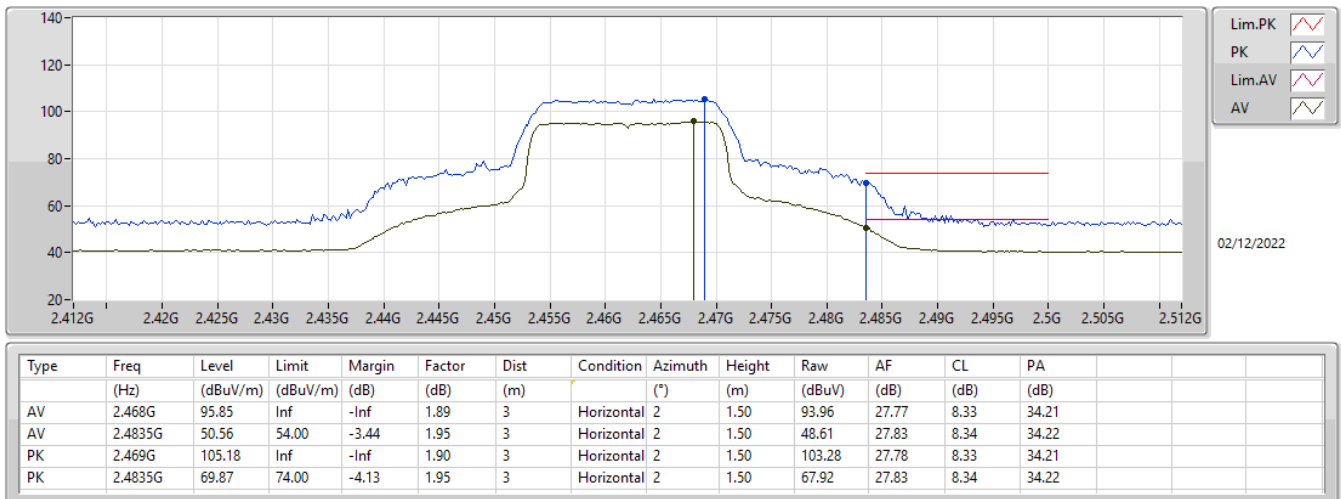
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



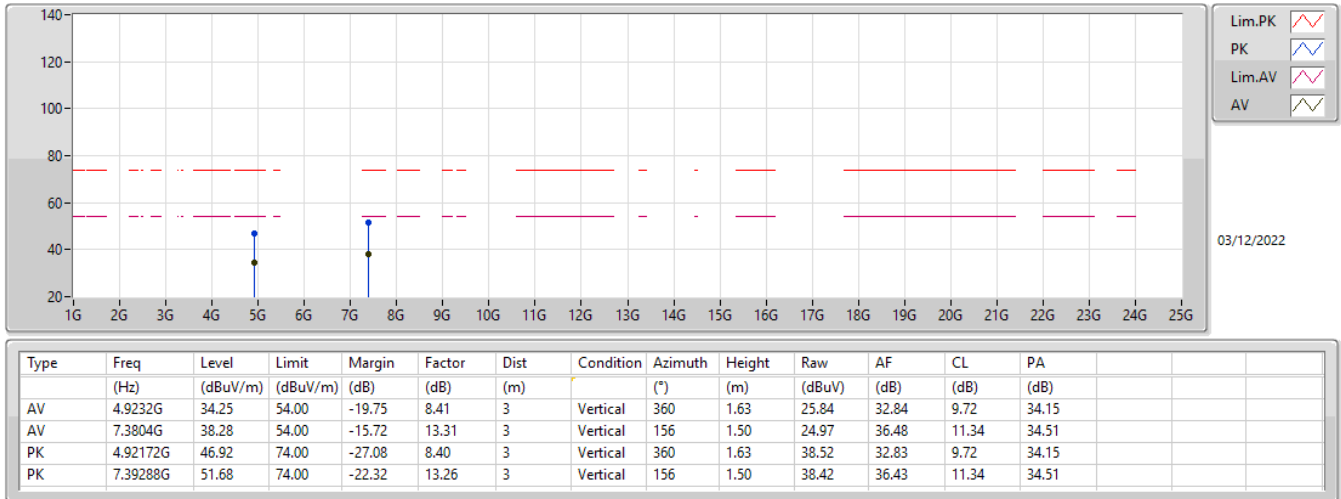
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



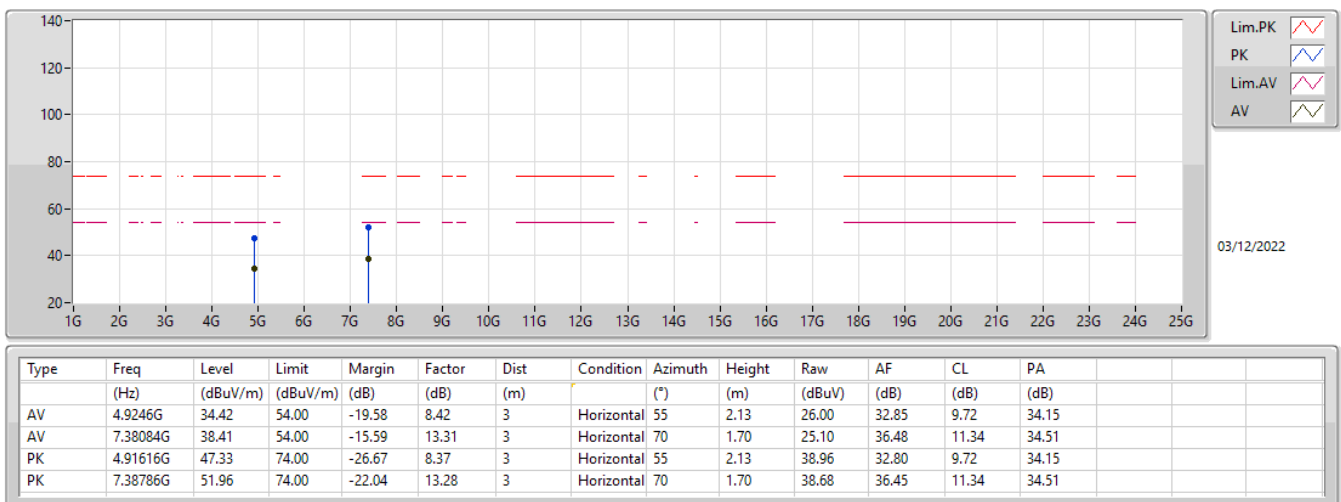
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



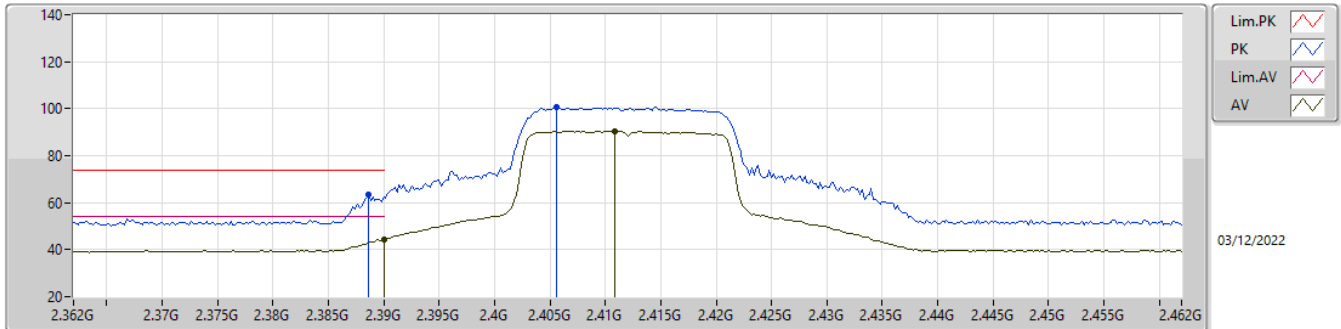
2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

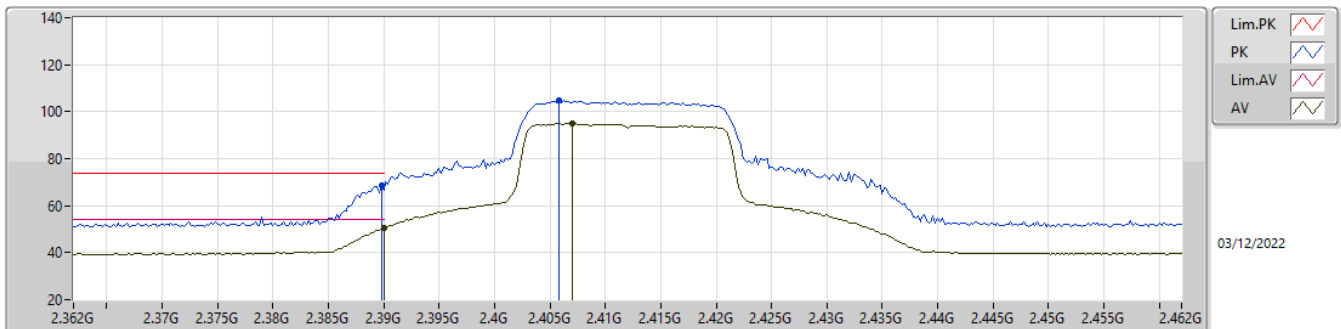
2412MHz_TX



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	2.39G	44.29	54.00	-9.71	1.60	3	Vertical	0	1.60	42.69	27.52	8.28	34.20
AV	2.4108G	90.51	Inf	-Inf	1.72	3	Vertical	0	1.60	88.79	27.62	8.30	34.20
PK	2.3886G	63.35	74.00	-10.65	1.59	3	Vertical	0	1.60	61.76	27.51	8.28	34.20
PK	2.4056G	100.59	Inf	-Inf	1.70	3	Vertical	0	1.60	98.89	27.61	8.29	34.20

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

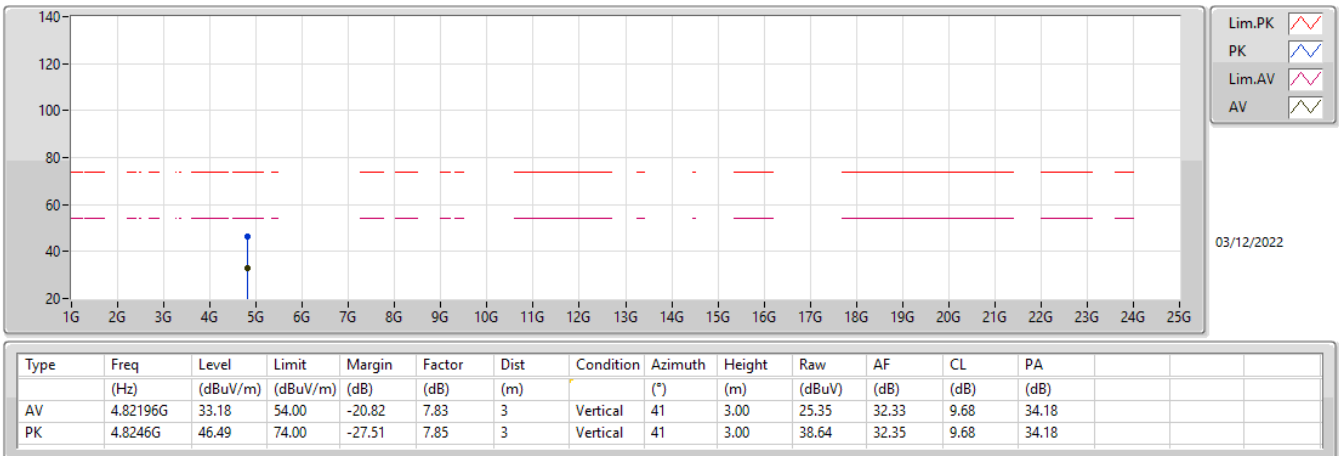
2412MHz_TX



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	2.39G	50.66	54.00	-3.34	1.60	3	Horizontal	341	1.50	49.06	27.52	8.28	34.20
AV	2.407G	95.02	Inf	-Inf	1.70	3	Horizontal	341	1.50	93.32	27.61	8.29	34.20
PK	2.3898G	68.59	74.00	-5.41	1.60	3	Horizontal	341	1.50	66.99	27.52	8.28	34.20
PK	2.4058G	104.88	Inf	-Inf	1.70	3	Horizontal	341	1.50	103.18	27.61	8.29	34.20

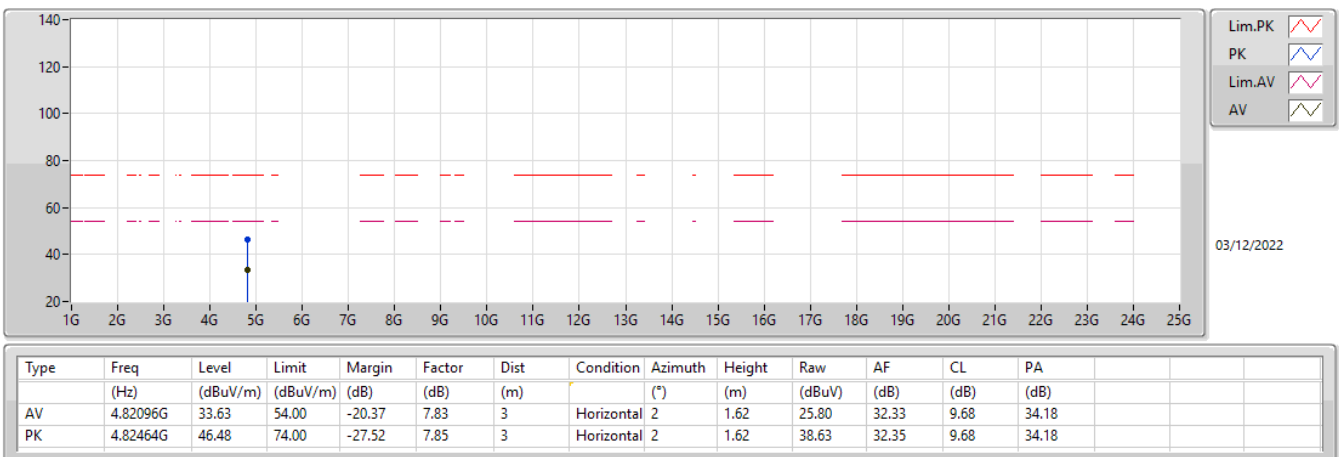
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX



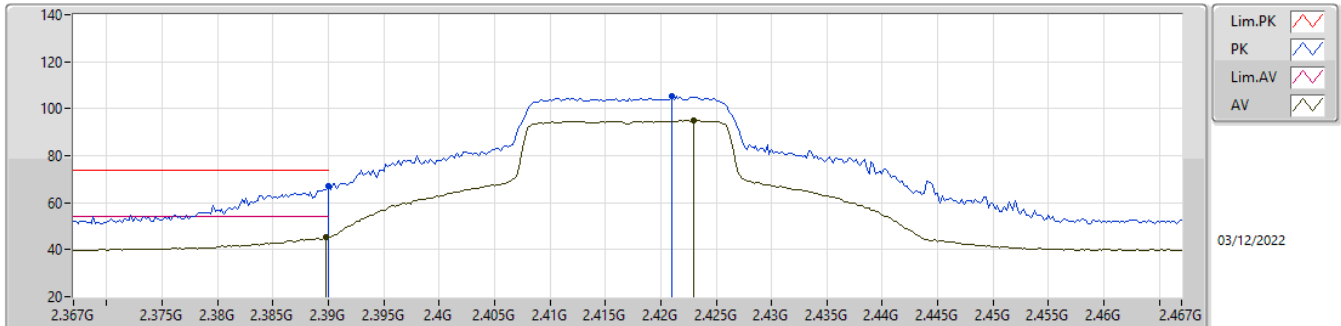
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2412MHz_TX



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

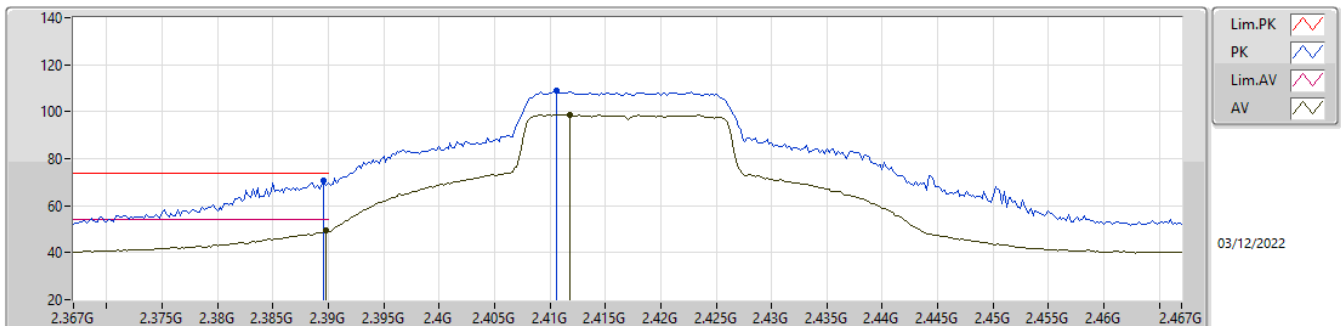
2417MHz_TX



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	2.3898G	45.27	54.00	-8.73	1.60	3	Vertical	0	1.50	43.67	27.52	8.28	34.20
AV	2.423G	95.10	Inf	-Inf	1.75	3	Vertical	0	1.50	93.35	27.65	8.30	34.20
PK	2.39G	66.82	74.00	-7.18	1.60	3	Vertical	0	1.50	65.22	27.52	8.28	34.20
PK	2.421G	105.25	Inf	-Inf	1.74	3	Vertical	0	1.50	103.51	27.64	8.30	34.20

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

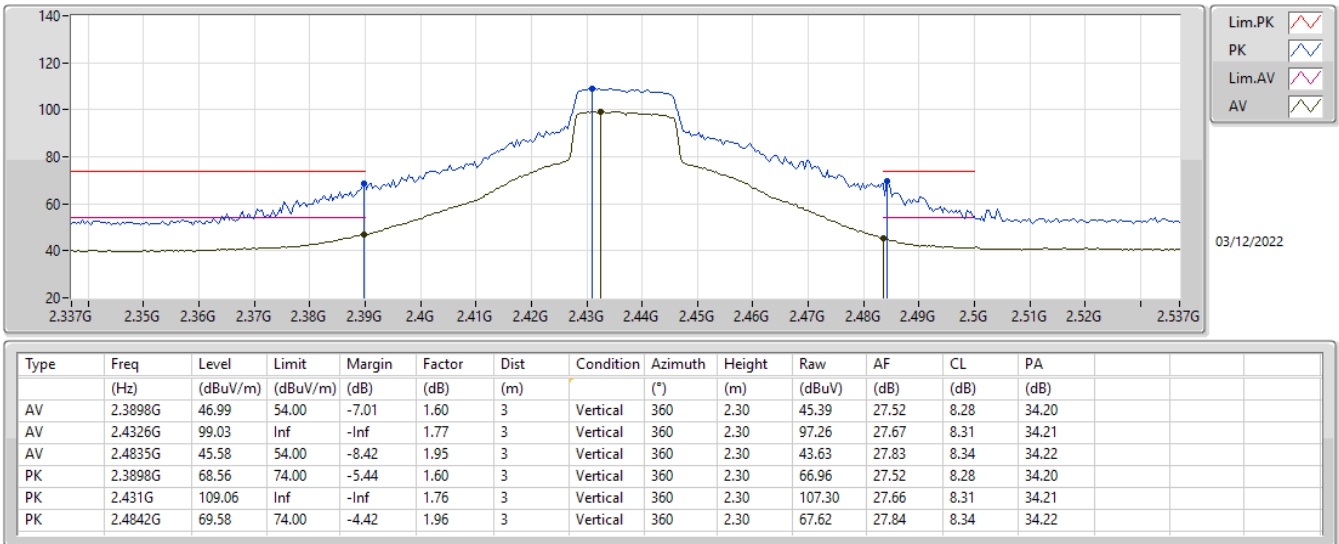
2417MHz_TX



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	2.3898G	49.23	54.00	-4.77	1.60	3	Horizontal	353	1.54	47.63	27.52	8.28	34.20
AV	2.4118G	98.65	Inf	-Inf	1.72	3	Horizontal	353	1.54	96.93	27.62	8.30	34.20
PK	2.3896G	70.93	74.00	-3.07	1.60	3	Horizontal	353	1.54	69.33	27.52	8.28	34.20
PK	2.4106G	108.72	Inf	-Inf	1.72	3	Horizontal	353	1.54	107.00	27.62	8.30	34.20

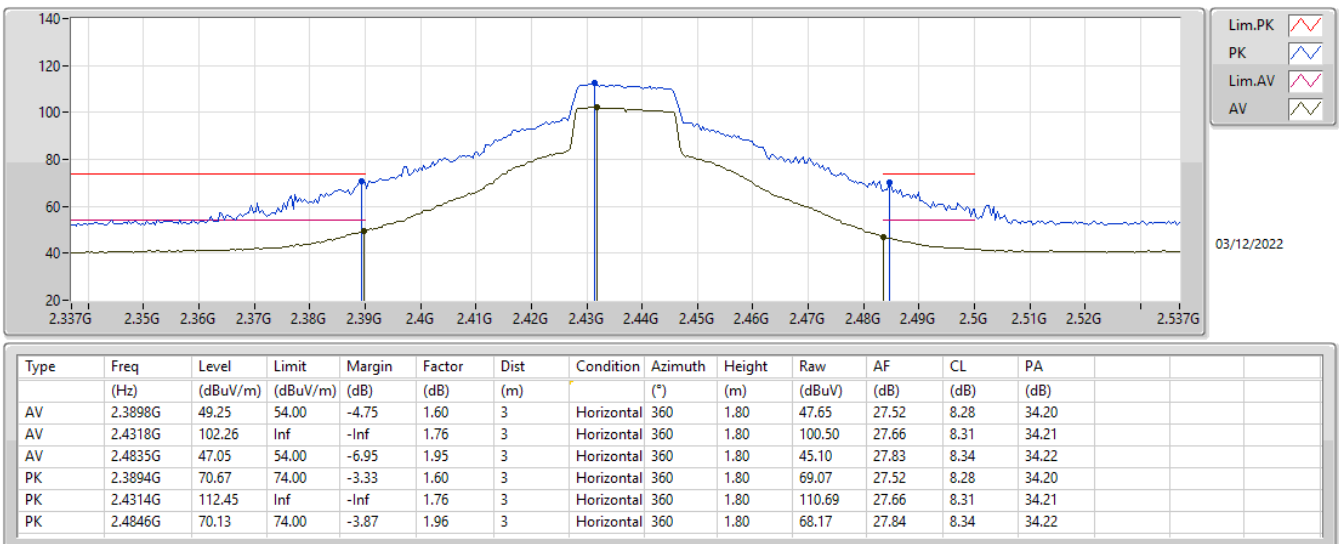
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX



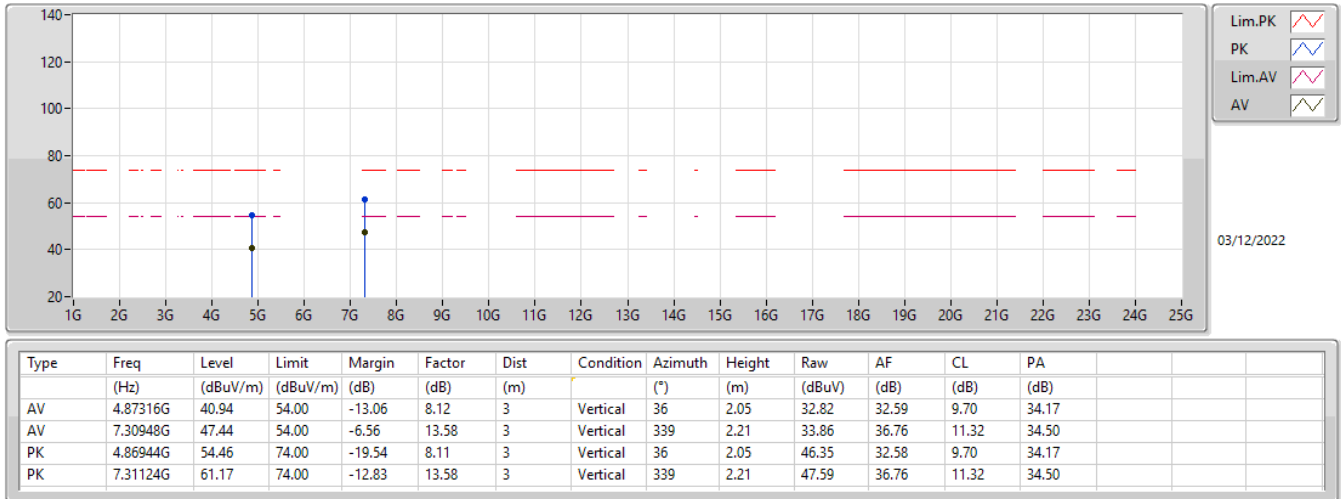
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX



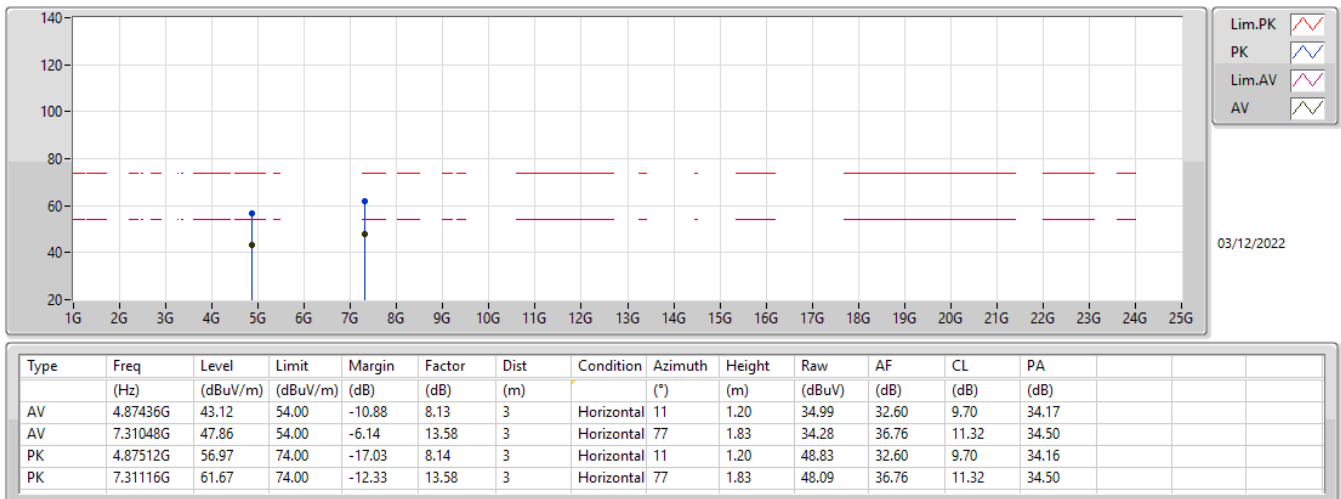
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_TX



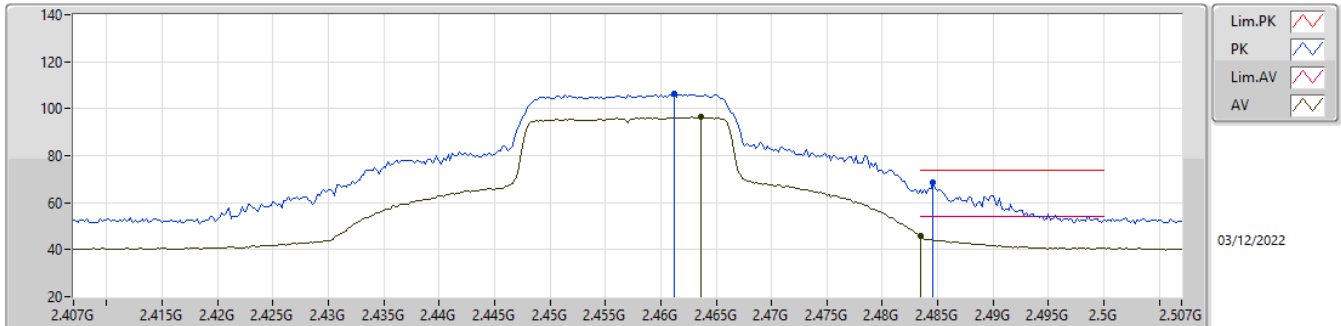
2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2437MHz_TX



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

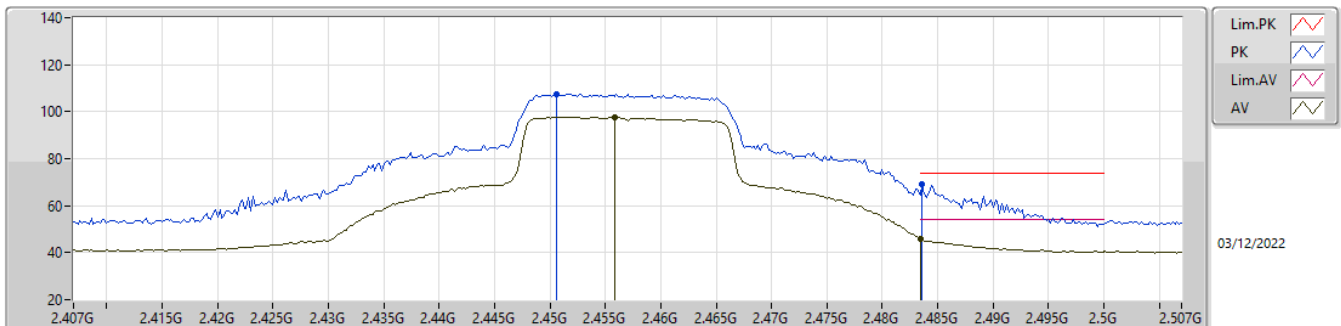
2457MHz_TX



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	2.4636G	96.41	Inf	-Inf	1.87	3	Vertical	23	2.87	94.54	27.75	8.33	34.21
AV	2.4835G	46.04	54.00	-7.96	1.95	3	Vertical	23	2.87	44.09	27.83	8.34	34.22
PK	2.4612G	106.50	Inf	-Inf	1.86	3	Vertical	23	2.87	104.64	27.74	8.33	34.21
PK	2.4846G	68.68	74.00	-5.32	1.96	3	Vertical	23	2.87	66.72	27.84	8.34	34.22

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

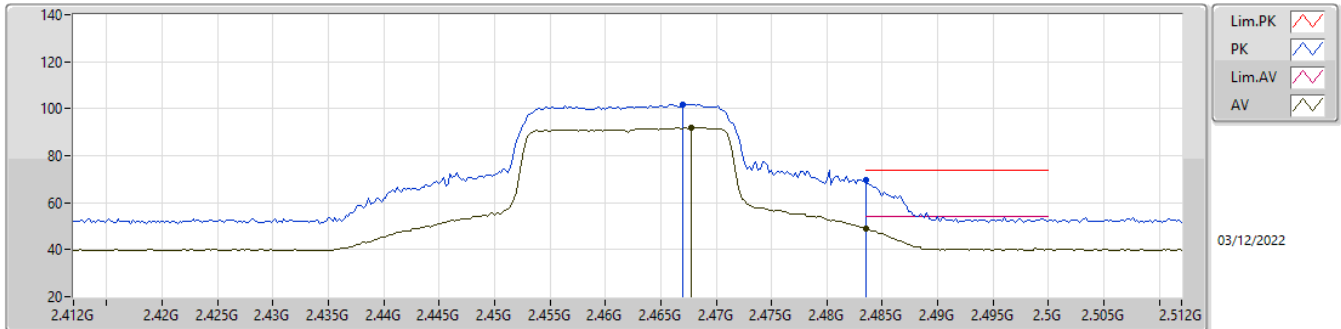
2457MHz_TX



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	2.4558G	97.74	Inf	-Inf	1.84	3	Horizontal	352	2.14	95.90	27.72	8.33	34.21
AV	2.4835G	45.86	54.00	-8.14	1.95	3	Horizontal	352	2.14	43.91	27.83	8.34	34.22
PK	2.4506G	107.61	Inf	-Inf	1.81	3	Horizontal	352	2.14	105.80	27.70	8.32	34.21
PK	2.4836G	68.96	74.00	-5.04	1.95	3	Horizontal	352	2.14	67.01	27.83	8.34	34.22

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

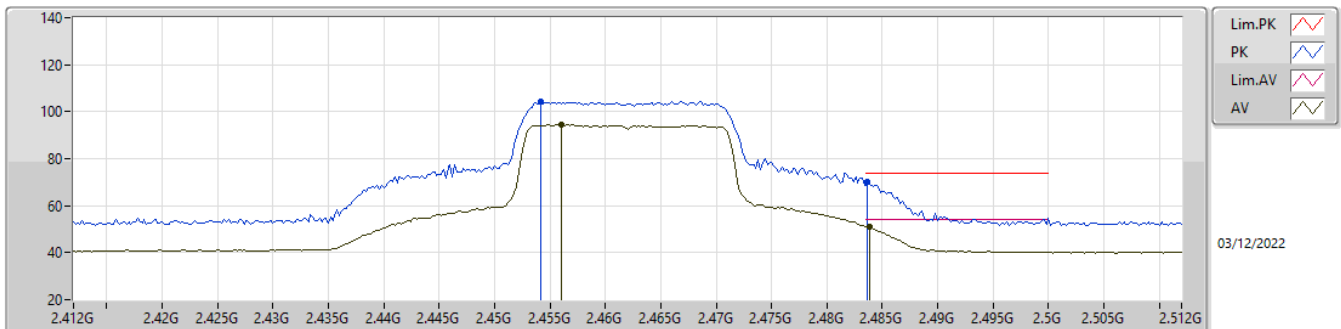
2462MHz_TX



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	2.4678G	91.94	Inf	-Inf	1.89	3	Vertical	360	2.97	90.05	27.77	8.33	34.21
AV	2.4835G	49.06	54.00	-4.94	1.95	3	Vertical	360	2.97	47.11	27.83	8.34	34.22
PK	2.467G	101.85	Inf	-Inf	1.89	3	Vertical	360	2.97	99.96	27.77	8.33	34.21
PK	2.4835G	69.67	74.00	-4.33	1.95	3	Vertical	360	2.97	67.72	27.83	8.34	34.22

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

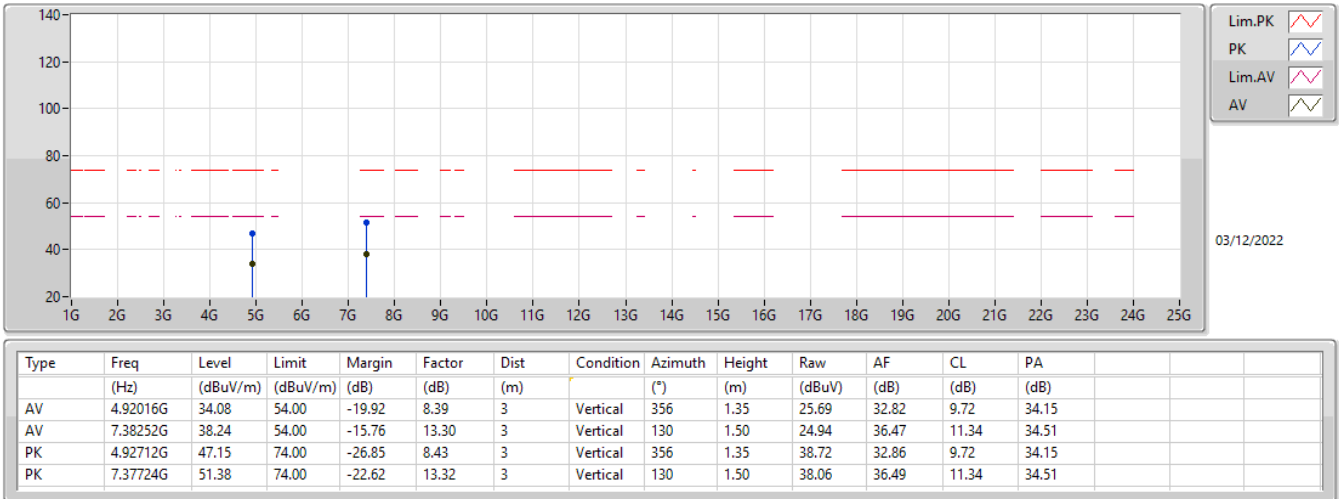
2462MHz_TX



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	2.456G	94.48	Inf	-Inf	1.84	3	Horizontal	357	2.00	92.64	27.72	8.33	34.21
AV	2.4838G	51.14	54.00	-2.86	1.96	3	Horizontal	357	2.00	49.18	27.84	8.34	34.22
PK	2.4542G	104.30	Inf	-Inf	1.84	3	Horizontal	357	2.00	102.46	27.72	8.33	34.21
PK	2.4836G	70.28	74.00	-3.72	1.95	3	Horizontal	357	2.00	68.33	27.83	8.34	34.22

2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2462MHz_TX



2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX

2462MHz_TX

