FCC Radio Test Report

FCC ID	:	**2A67GES0001**
Equipment	:	**Environmental Station**
Brand Name	:	**Microsoft**
Model Name	:	**ES0001**
Applicant	:	**Microsoft Corporation 1 Microsoft Way, Redmond, Washington, United States 98052**
Manufacturer	:	**Microsoft Corporation 1 Microsoft Way, Redmond, Washington, United States 98052**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 05, 2022, and testing was started from May 09, 2022 and completed on May 13, 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

Report No.	Version	Description	Issued Date
FR250447AC	01	Initial issue of report	Jun. 17, 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	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)	2412-2462	1-11 [11]

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	WIESON	ARY121-0108-001-00	Dipole antenna	RP-SMA	3.6

Note 1: The EUT has one antenna.

For 2.4GHz function:

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

Ant. 1 can be used as transmitting/receiving antenna.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Switching Power Supply			
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) ≥ 1/T
802.11b_Nss1,(1Mbps)_1TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g_Nss1,(6Mbps)_1TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss1,(MCS0)_1TX	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.2 Testing Applied Standards

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

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

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

- KDB 558074 D01 v05r02
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ 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	Jack Tang	21.7~22.0°C / 56~59%	10/May/2022
RF Conducted	TH06-HY	Edward Wang	24.2~26.9°C / 50~60%	10/May/2022~13/May/2022
Radiated	03CH03-HY	Daniel Lin	20.7~26.5°C / 58~62%	09/May/2022~10/May/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	
Test site Designation No. TW0008 with FCC.				

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**
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 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	RfToolCli 21.01

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	14
2437MHz	14
2462MHz	14
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	14
2437MHz	14
2462MHz	14
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	14
2437MHz	14
2462MHz	14

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: 240Vac / 60Hz
Operating Mode	CTX
1	Switching Power Supply 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 Emissions in 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	Switching Power Supply mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	**Z Plane**
	

2.3 Support Equipment

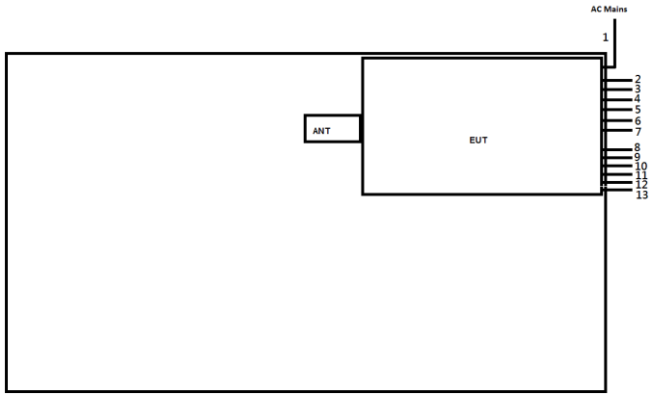
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	I2C cable Temperature and humidity probe	DELTA OHM	HP3517-MS	-	Provided by Customer
2	Power Cord	N/A	N/A	-	Provided by Customer

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	HP	HSTNN-I42C	-	-
2	Adapter for NB	HP	HSTNN-LA40	-	-

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	I2C cable Temperature and humidity probe	DELTA OHM	HP3517-MS	-	Provided by Customer
2	Power Cord	N/A	N/A	-	Provided by Customer

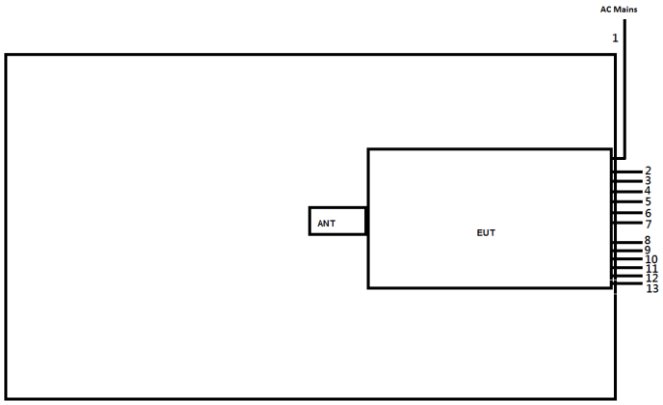
2.4 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	I2C cable	No	12.0	-
3	I2C cable	No	12.0	-
4	I2C cable	No	12.0	-
5	I2C cable	No	12.0	-
6	I2C cable	No	12.0	-
7	I2C cable	No	12.0	-
8	AC Power cable	No	2.0	-
9	AC Power cable	No	2.0	-
10	AC Power cable	No	2.0	-
11	AC Power cable	No	2.0	-
12	AC Power cable	No	2.0	-
13	AC Power cable	No	2.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	I2C cable	No	12.0	-
3	I2C cable	No	12.0	-
4	I2C cable	No	12.0	-
5	I2C cable	No	12.0	-
6	I2C cable	No	12.0	-
7	I2C cable	No	12.0	-
8	AC Power cable	No	2.0	-
9	AC Power cable	No	2.0	-
10	AC Power cable	No	2.0	-
11	AC Power cable	No	2.0	-
12	AC Power cable	No	2.0	-
13	AC Power cable	No	2.0	-

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

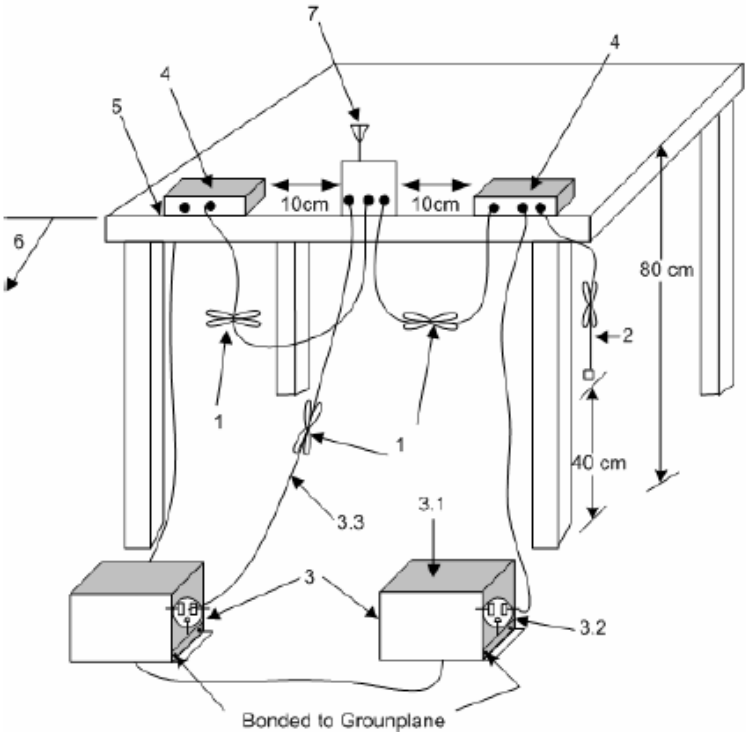
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

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 ≥ 500 kHz.

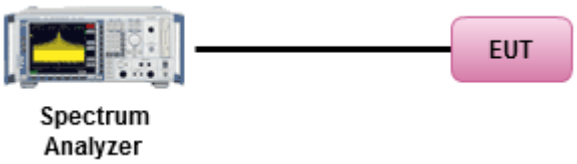
3.2.2 Measuring Instruments

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:	
	☒ 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.

3.2.4 Test Setup

Emission Bandwidth


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		
	▪ If G_{TX} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)	
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm
		- Aggregate power on all beams: P_{eirp} ≤ 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	
▪ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


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

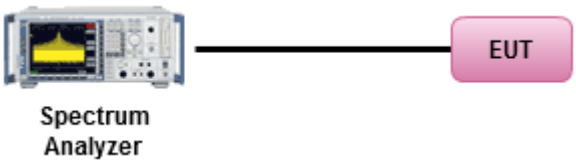
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
▪ 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.

3.4.4 Test Setup

Power Spectral Density


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.	

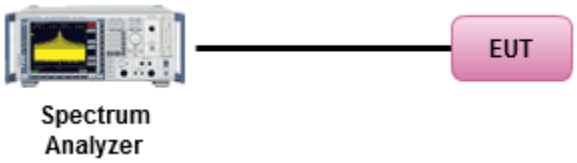
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


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.

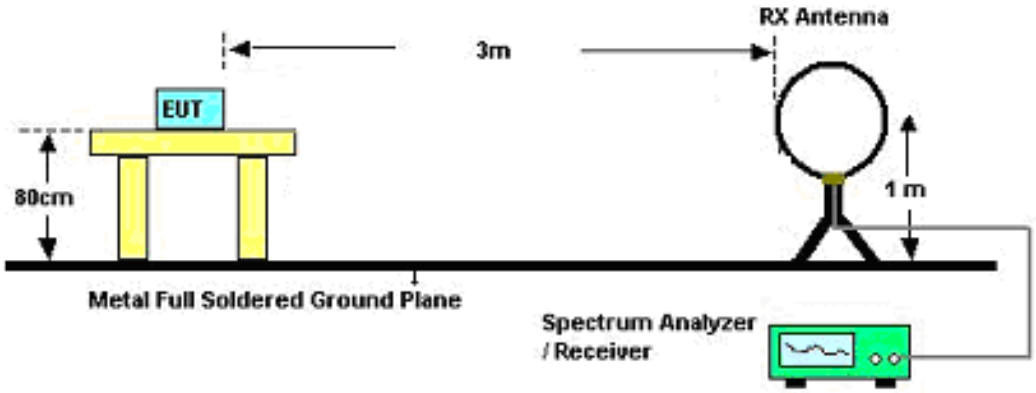
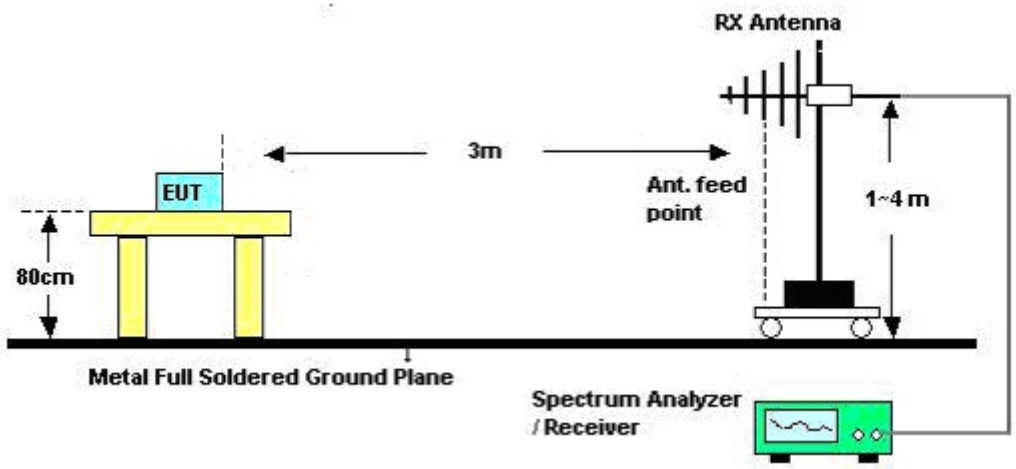
3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 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 ≥ 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.
▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 3 (12.7.4.2 of ANSI C63.10).	
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

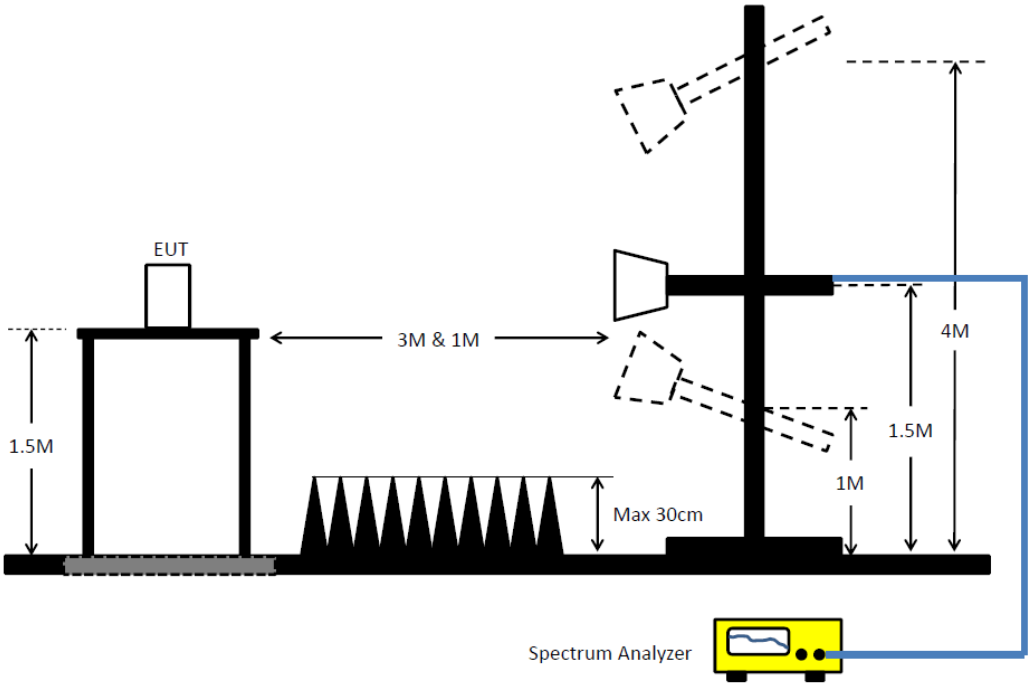
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

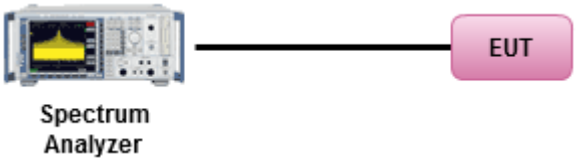
3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



Emissions in Restricted Frequency Bands (Spectrum Analyzer)



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	ESR3	102051	9kHz ~ 3.6GHz	21/May/2021	20/May/2022
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	20/Oct/2021	19/Oct/2022
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2022	24/Mar/2023
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2022	24/Mar/2023
SENSE-15247_DTS	Sporton	V5.10.7.17	NA	NA	NA	NA

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	16/Jun/2021	15/Jun/2022
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
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/Jun/2021	01/Jun/2022
Microwave Preamplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-15247_DTS.	Sporton	v5.10.7.18	NA	NA	NA	NA

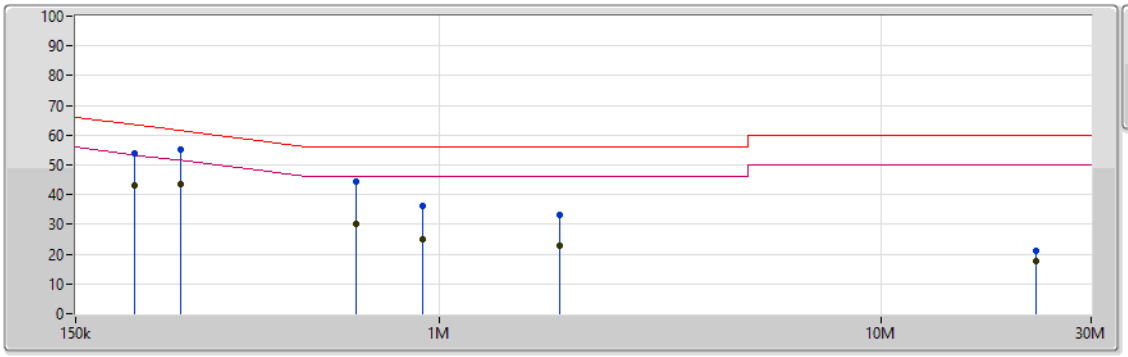
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	259.185k	55.01	61.45	-6.44	Line

Mode config

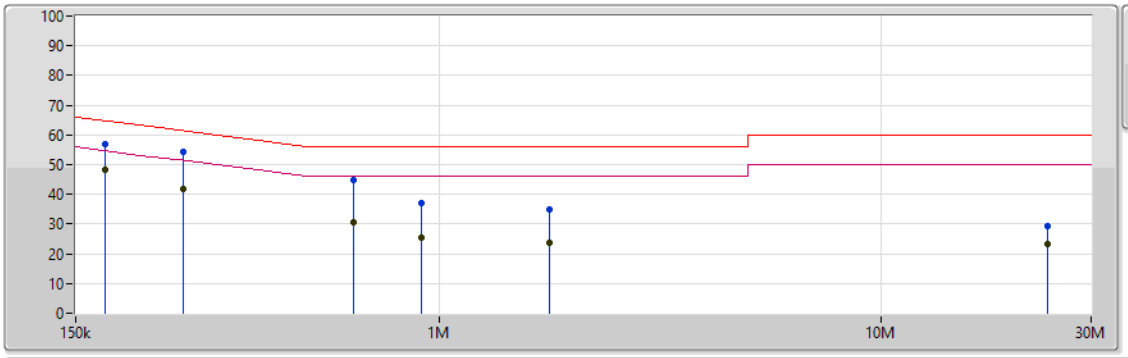
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	203.98k	53.75	63.44	-9.69	Line	-
Mode 1	Pass	AV	203.98k	43.22	53.44	-10.22	Line	-
Mode 1	Pass	QP	259.185k	55.01	61.45	-6.44	Line	-
Mode 1	Pass	AV	259.185k	43.36	51.45	-8.09	Line	-
Mode 1	Pass	QP	649.178k	44.60	56.00	-11.40	Line	-
Mode 1	Pass	AV	649.178k	30.02	46.00	-15.98	Line	-
Mode 1	Pass	QP	915.089k	36.27	56.00	-19.73	Line	-
Mode 1	Pass	AV	915.089k	25.05	46.00	-20.95	Line	-
Mode 1	Pass	QP	1.87M	33.05	56.00	-22.95	Line	-
Mode 1	Pass	AV	1.87M	22.67	46.00	-23.33	Line	-
Mode 1	Pass	QP	22.575M	20.94	60.00	-39.06	Line	-
Mode 1	Pass	AV	22.575M	17.71	50.00	-32.29	Line	-
Mode 1	Pass	QP	174.571k	56.73	64.74	-8.01	Neutral	-
Mode 1	Pass	AV	174.571k	48.08	54.74	-6.66	Neutral	-
Mode 1	Pass	QP	262.308k	54.51	61.35	-6.84	Neutral	-
Mode 1	Pass	AV	262.308k	41.66	51.35	-9.69	Neutral	-
Mode 1	Pass	QP	638.894k	44.83	56.00	-11.17	Neutral	-
Mode 1	Pass	AV	638.894k	30.78	46.00	-15.22	Neutral	-
Mode 1	Pass	QP	911.443k	36.96	56.00	-19.04	Neutral	-
Mode 1	Pass	AV	911.443k	25.60	46.00	-20.40	Neutral	-
Mode 1	Pass	QP	1.775M	35.11	56.00	-20.89	Neutral	-
Mode 1	Pass	AV	1.775M	23.91	46.00	-22.09	Neutral	-
Mode 1	Pass	QP	23.873M	29.46	60.00	-30.54	Neutral	-
Mode 1	Pass	AV	23.873M	23.29	50.00	-26.71	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	203.98k	53.75	63.44	-9.69	19.63	Line	-	34.12	9.69	0.03	9.91
AV	203.98k	43.22	53.44	-10.22	19.63	Line	-	23.59	9.69	0.03	9.91
QP	259.185k	55.01	61.45	-6.44	19.63	Line	-	35.38	9.69	0.03	9.91
AV	259.185k	43.36	51.45	-8.09	19.63	Line	-	23.73	9.69	0.03	9.91
QP	649.178k	44.60	56.00	-11.40	19.65	Line	-	24.95	9.68	0.05	9.92
AV	649.178k	30.02	46.00	-15.98	19.65	Line	-	10.37	9.68	0.05	9.92
QP	915.089k	36.27	56.00	-19.73	19.65	Line	-	16.62	9.68	0.05	9.92
AV	915.089k	25.05	46.00	-20.95	19.65	Line	-	5.40	9.68	0.05	9.92
QP	1.87M	33.05	56.00	-22.95	19.70	Line	-	13.35	9.70	0.08	9.92
AV	1.87M	22.67	46.00	-23.33	19.70	Line	-	2.97	9.70	0.08	9.92
QP	22.575M	20.94	60.00	-39.06	20.02	Line	-	0.92	9.80	0.29	9.93
AV	22.575M	17.71	50.00	-32.29	20.02	Line	-	-2.31	9.80	0.29	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	174.571k	56.73	64.74	-8.01	19.66	Neutral	-	37.07	9.72	0.03	9.91
AV	174.571k	48.08	54.74	-6.66	19.66	Neutral	-	28.42	9.72	0.03	9.91
QP	262.308k	54.51	61.35	-6.84	19.66	Neutral	-	34.85	9.72	0.03	9.91
AV	262.308k	41.66	51.35	-9.69	19.66	Neutral	-	22.00	9.72	0.03	9.91
QP	638.894k	44.83	56.00	-11.17	19.70	Neutral	-	25.13	9.73	0.05	9.92
AV	638.894k	30.78	46.00	-15.22	19.70	Neutral	-	11.08	9.73	0.05	9.92
QP	911.443k	36.96	56.00	-19.04	19.70	Neutral	-	17.26	9.73	0.05	9.92
AV	911.443k	25.60	46.00	-20.40	19.70	Neutral	-	5.90	9.73	0.05	9.92
QP	1.775M	35.11	56.00	-20.89	19.73	Neutral	-	15.38	9.74	0.07	9.92
AV	1.775M	23.91	46.00	-22.09	19.73	Neutral	-	4.18	9.74	0.07	9.92
QP	23.873M	29.46	60.00	-30.54	20.29	Neutral	-	9.17	10.06	0.30	9.93
AV	23.873M	23.29	50.00	-26.71	20.29	Neutral	-	3.00	10.06	0.30	9.93

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	8.55M	13.318M	13M3G1D	7.7M	13.268M
802.11g_Nss1,(6Mbps)_1TX	16.325M	16.492M	16M5D1D	15.975M	16.392M
802.11n HT20_Nss1,(MCS0)_1TX	16.375M	16.417M	16M4D1D	15.975M	16.367M

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

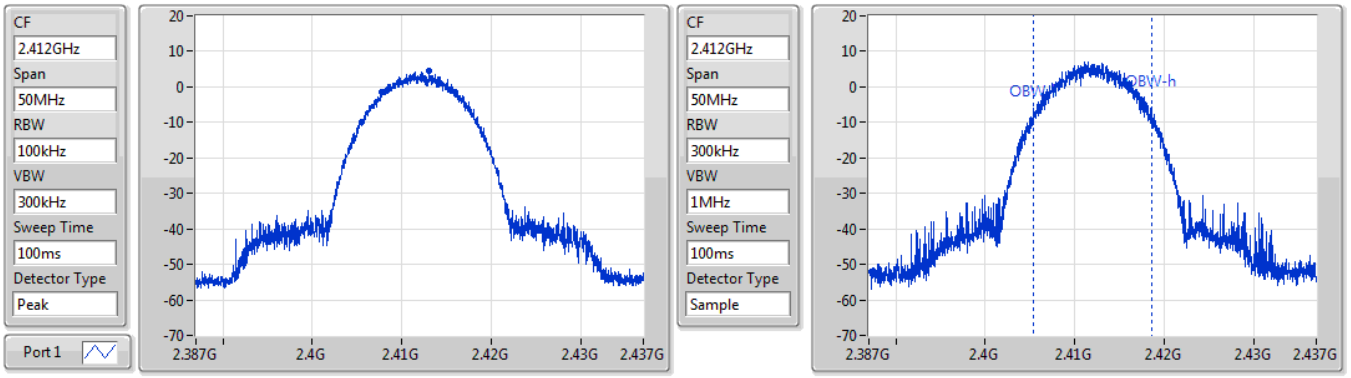
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.25M	13.268M
2437MHz	Pass	500k	8.55M	13.268M
2462MHz	Pass	500k	7.7M	13.318M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.392M
2437MHz	Pass	500k	15.975M	16.492M
2462MHz	Pass	500k	16.3M	16.392M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.3M	16.367M
2437MHz	Pass	500k	16.375M	16.417M
2462MHz	Pass	500k	15.975M	16.417M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

10/05/2022

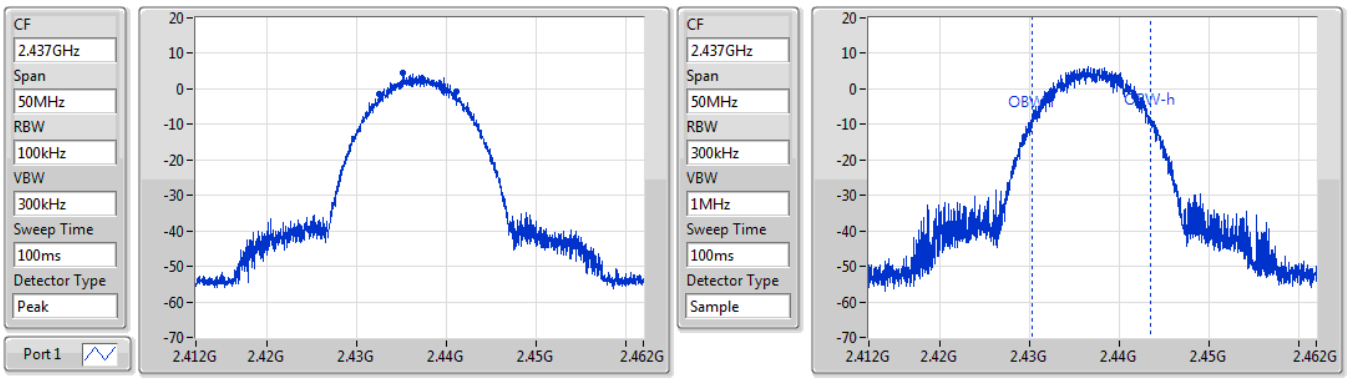


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.25M	2.40775G	2.416G	13.268M	2.405328G	2.418597G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

10/05/2022

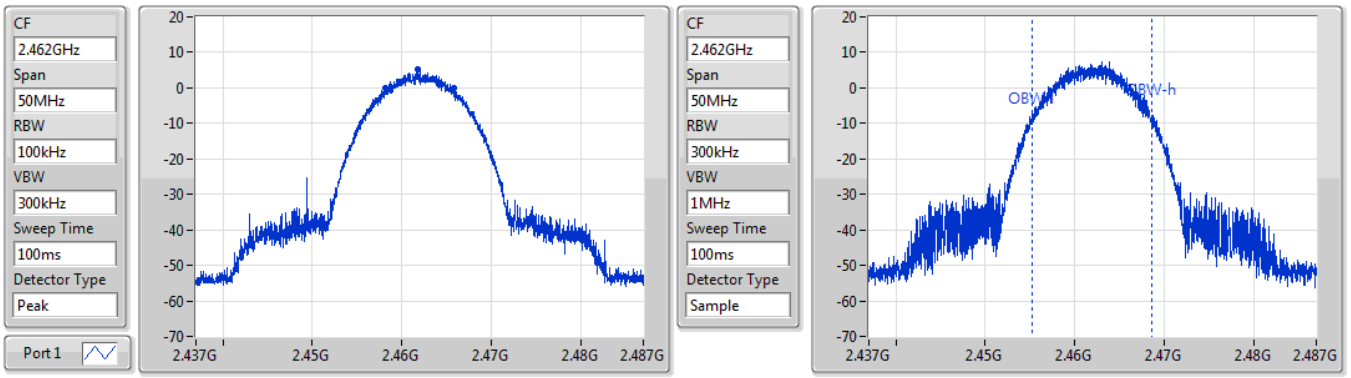


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.55M	2.432525G	2.441075G	13.268M	2.430253G	2.443522G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

10/05/2022

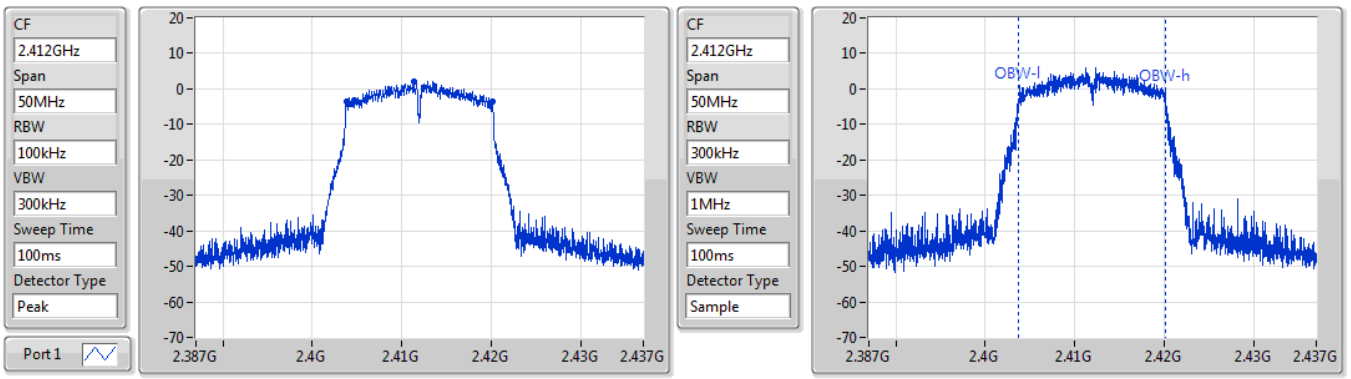


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.7M	2.458175G	2.465875G	13.318M	2.455278G	2.468597G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

10/05/2022

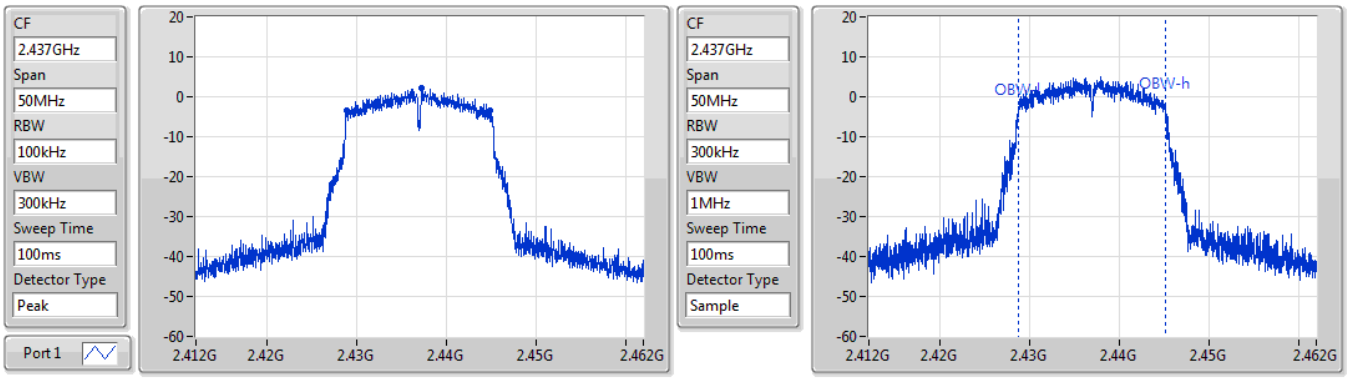


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4038G	2.420125G	16.392M	2.403729G	2.420121G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

10/05/2022

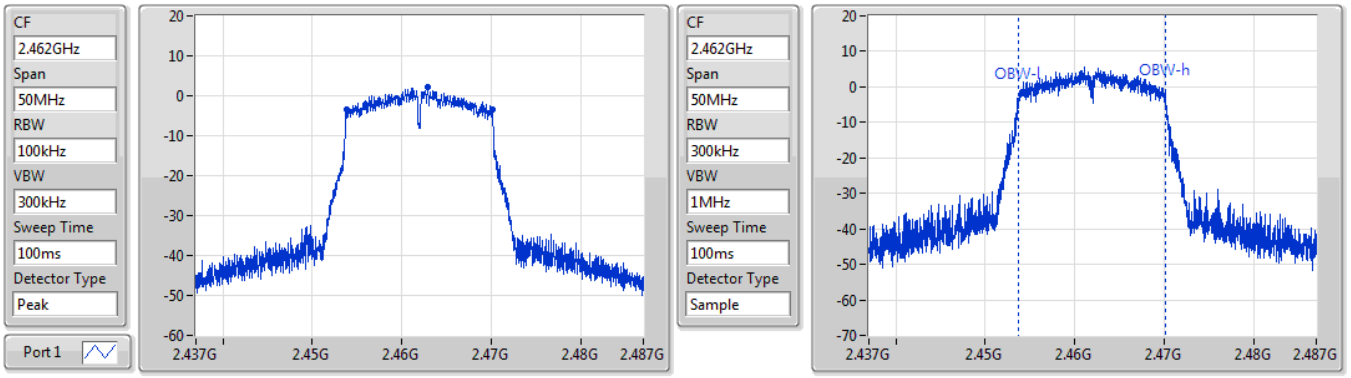


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.975M	2.428875G	2.44485G	16.492M	2.428679G	2.445171G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

10/05/2022

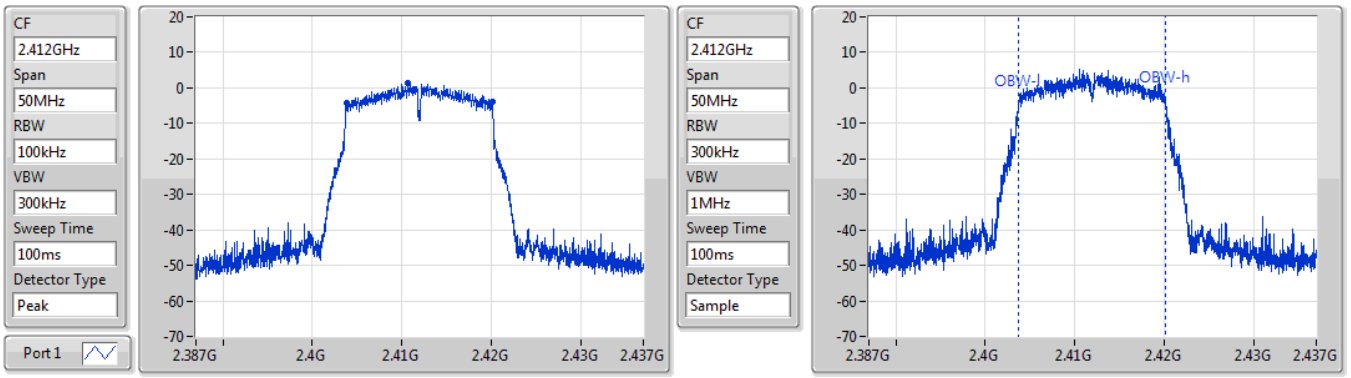


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.4538G	2.4701G	16.392M	2.453729G	2.470121G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

10/05/2022

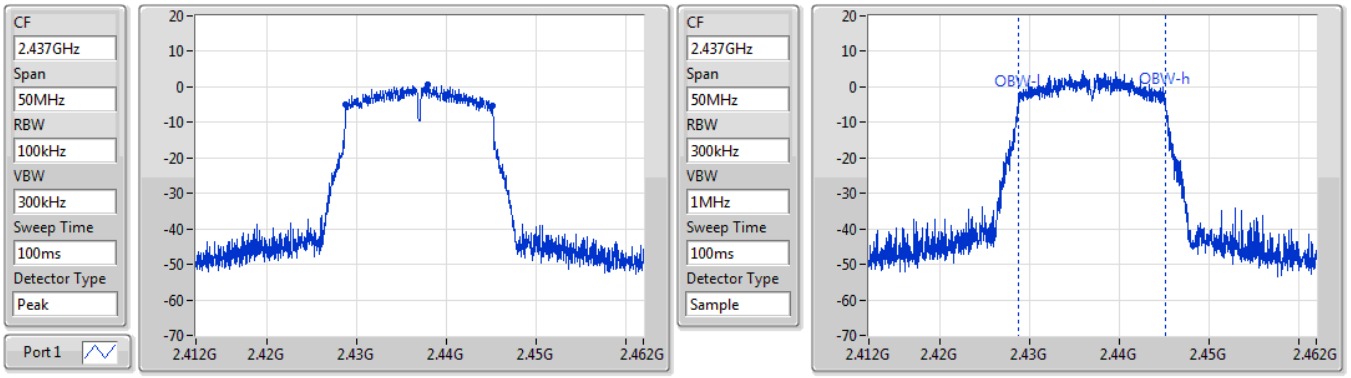


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.4038G	2.4201G	16.367M	2.403779G	2.420146G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

10/05/2022



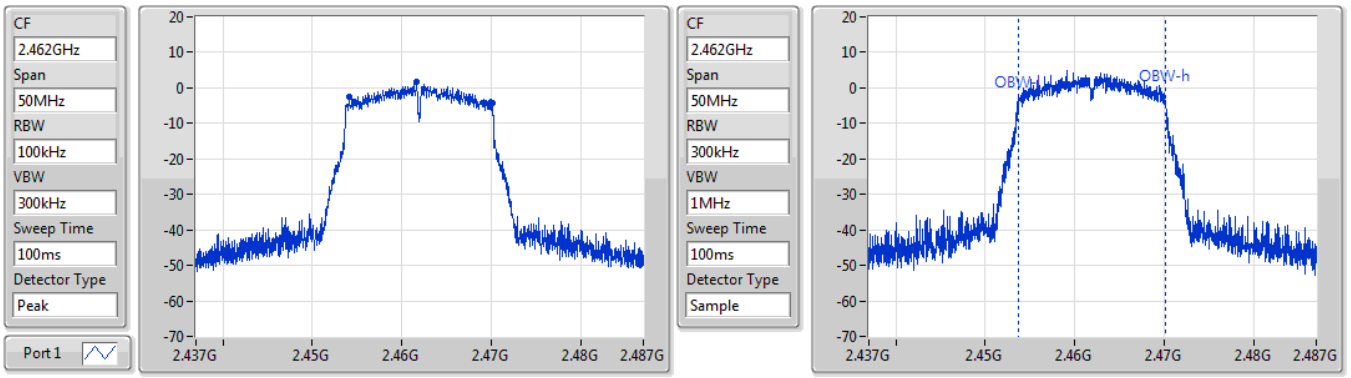
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.42875G	2.445125G	16.417M	2.428704G	2.445121G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

10/05/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.975M	2.454125G	2.4701G	16.417M	2.453704G	2.470121G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	13.30	0.02138
802.11g_Nss1,(6Mbps)_1TX	13.75	0.02371
802.11n HT20_Nss1,(MCS0)_1TX	12.93	0.01963

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	13.30	13.30	30.00
2437MHz	Pass	3.60	12.90	12.90	30.00
2462MHz	Pass	3.60	13.28	13.28	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	13.75	13.75	30.00
2437MHz	Pass	3.60	13.53	13.53	30.00
2462MHz	Pass	3.60	13.53	13.53	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	12.93	12.93	30.00
2437MHz	Pass	3.60	12.41	12.41	30.00
2462MHz	Pass	3.60	12.76	12.76	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	-10.16
802.11g_Nss1,(6Mbps)_1TX	-10.84
802.11n HT20_Nss1,(MCS0)_1TX	-11.33

RBW = 3kHz;

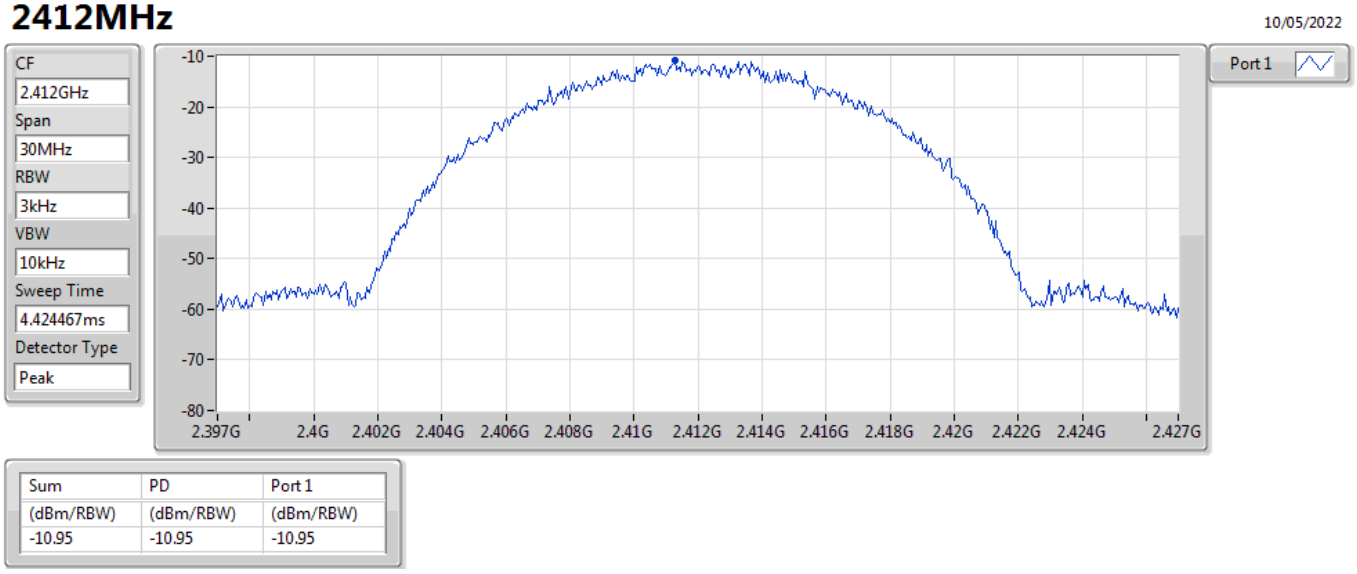
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	-10.95	-10.95	8.00
2437MHz	Pass	3.60	-10.62	-10.62	8.00
2462MHz	Pass	3.60	-10.16	-10.16	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	-10.86	-10.86	8.00
2437MHz	Pass	3.60	-10.84	-10.84	8.00
2462MHz	Pass	3.60	-11.25	-11.25	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.60	-11.33	-11.33	8.00
2437MHz	Pass	3.60	-12.04	-12.04	8.00
2462MHz	Pass	3.60	-12.12	-12.12	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;

802.11b_Nss1,(1Mbps)_1TX PSD

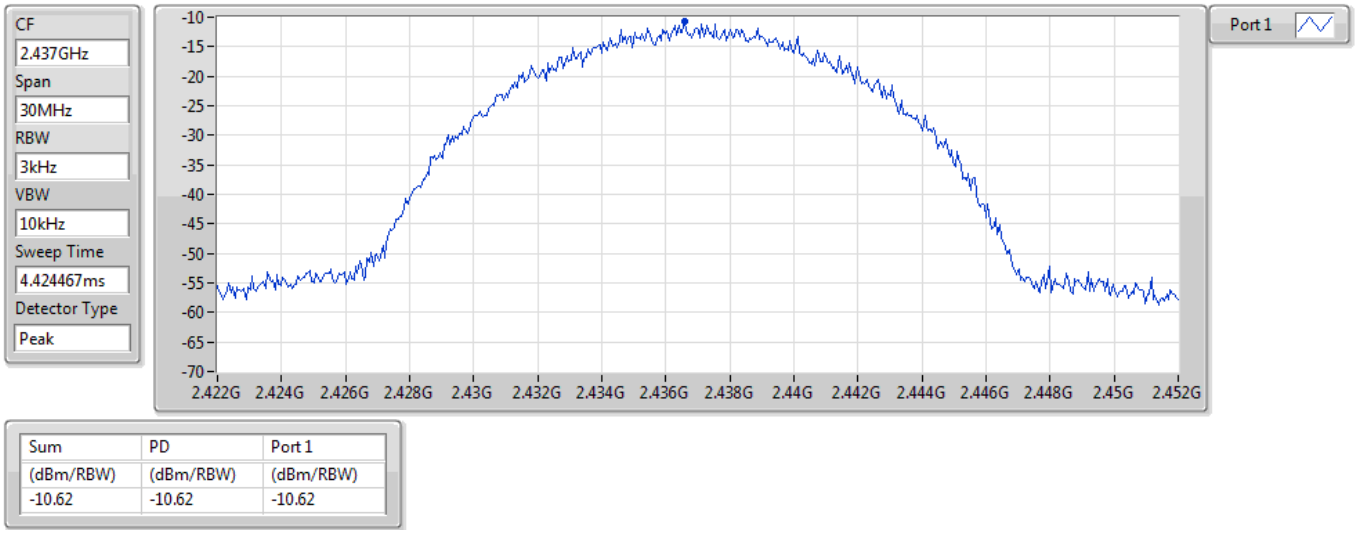
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.95	-10.95	-10.95

802.11b_Nss1,(1Mbps)_1TX PSD

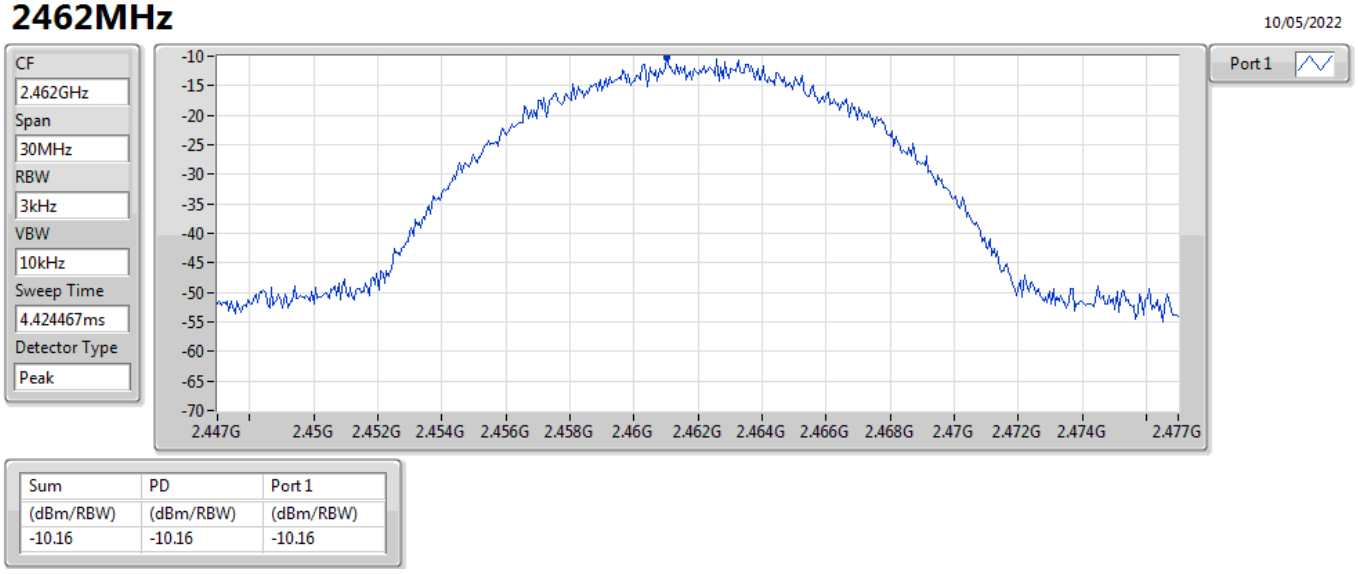
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.62	-10.62	-10.62

802.11b_Nss1,(1Mbps)_1TX PSD

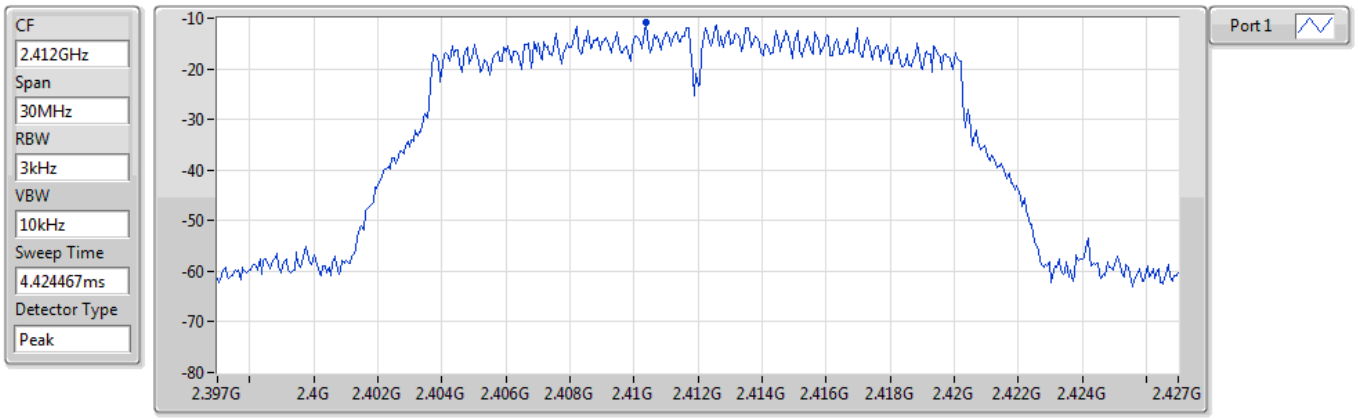
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.16	-10.16	-10.16

802.11g_Nss1,(6Mbps)_1TX PSD

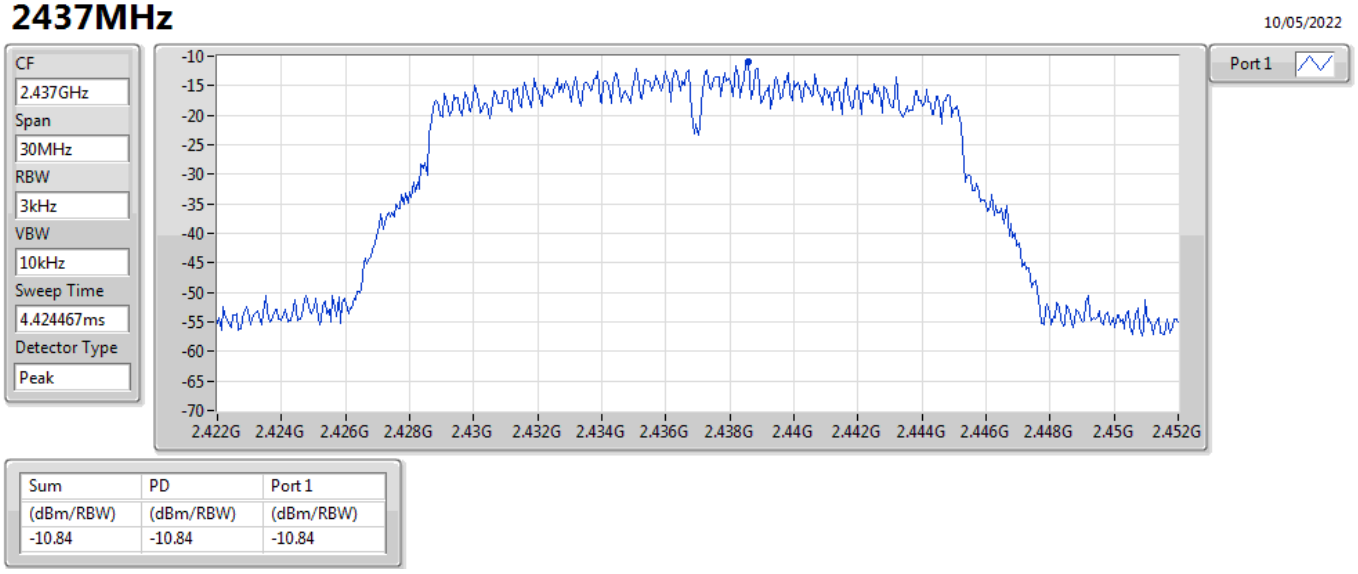
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.86	-10.86	-10.86

802.11g_Nss1,(6Mbps)_1TX PSD

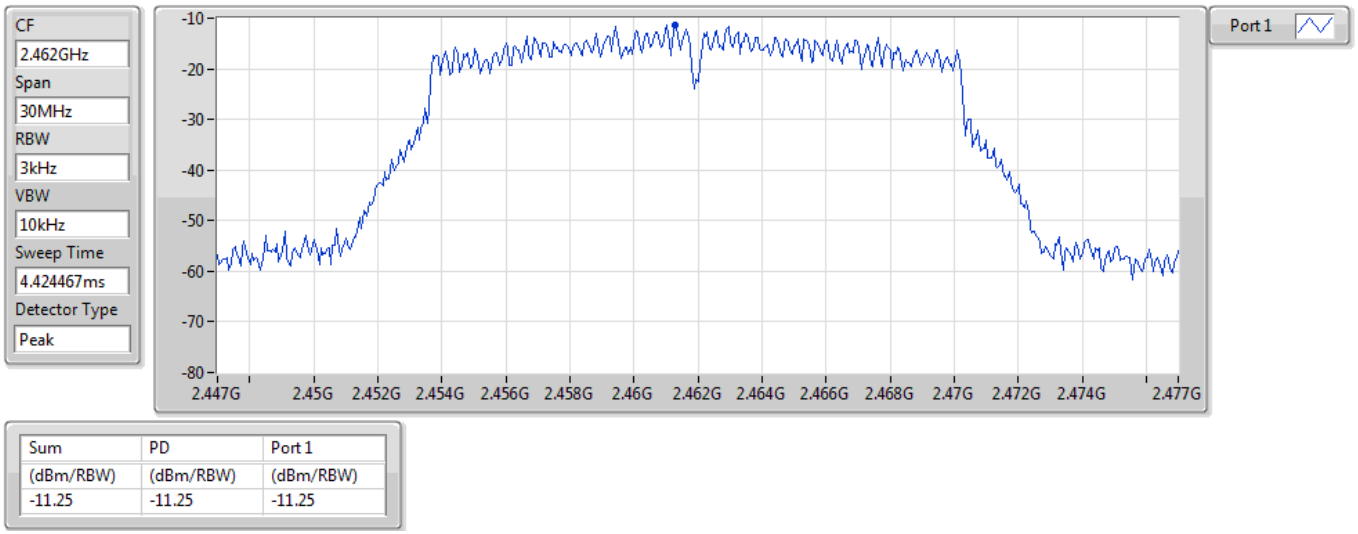
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.84	-10.84	-10.84

802.11g_Nss1,(6Mbps)_1TX PSD

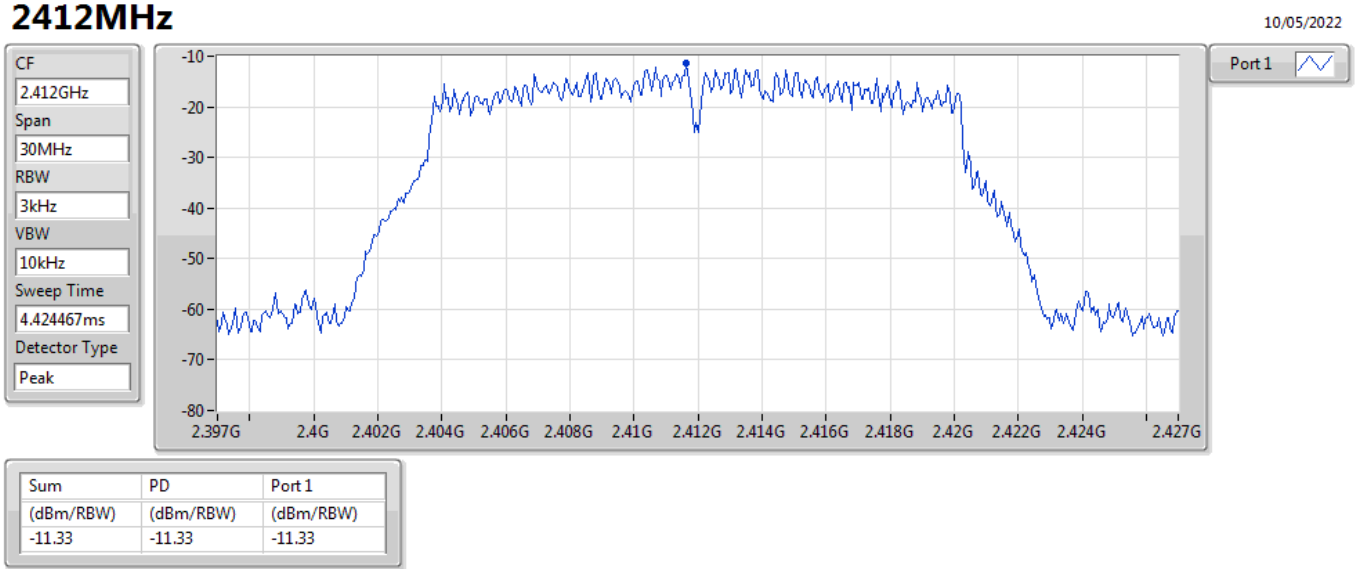
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.25	-11.25	-11.25

802.11n HT20_Nss1,(MCS0)_1TX PSD

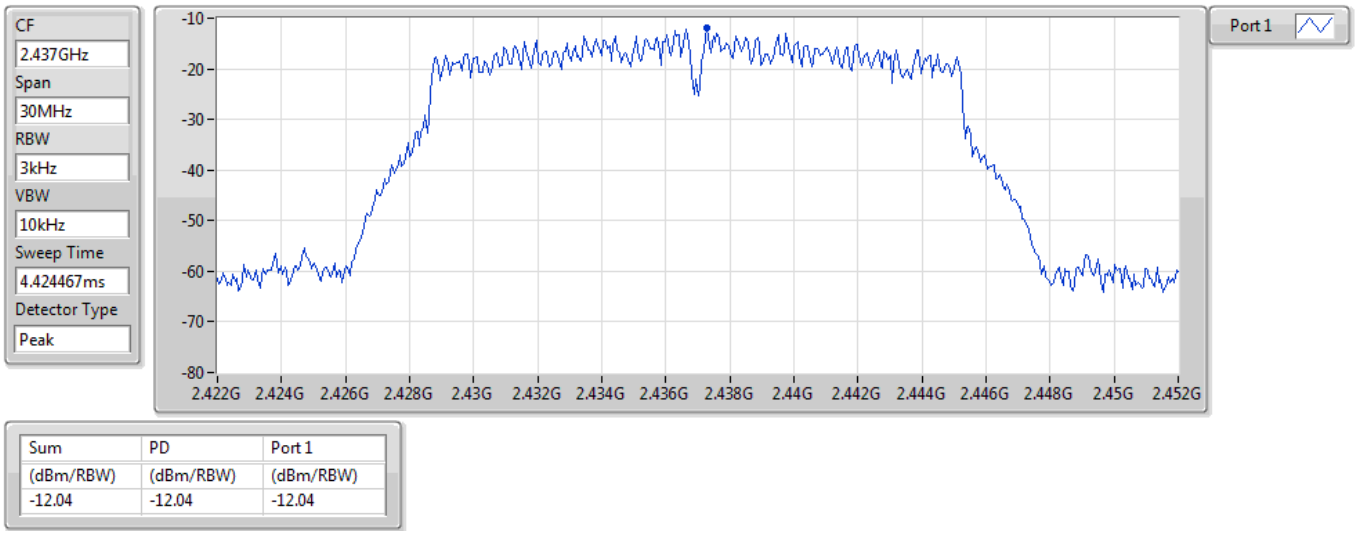
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.33	-11.33	-11.33

802.11n HT20_Nss1,(MCS0)_1TX PSD

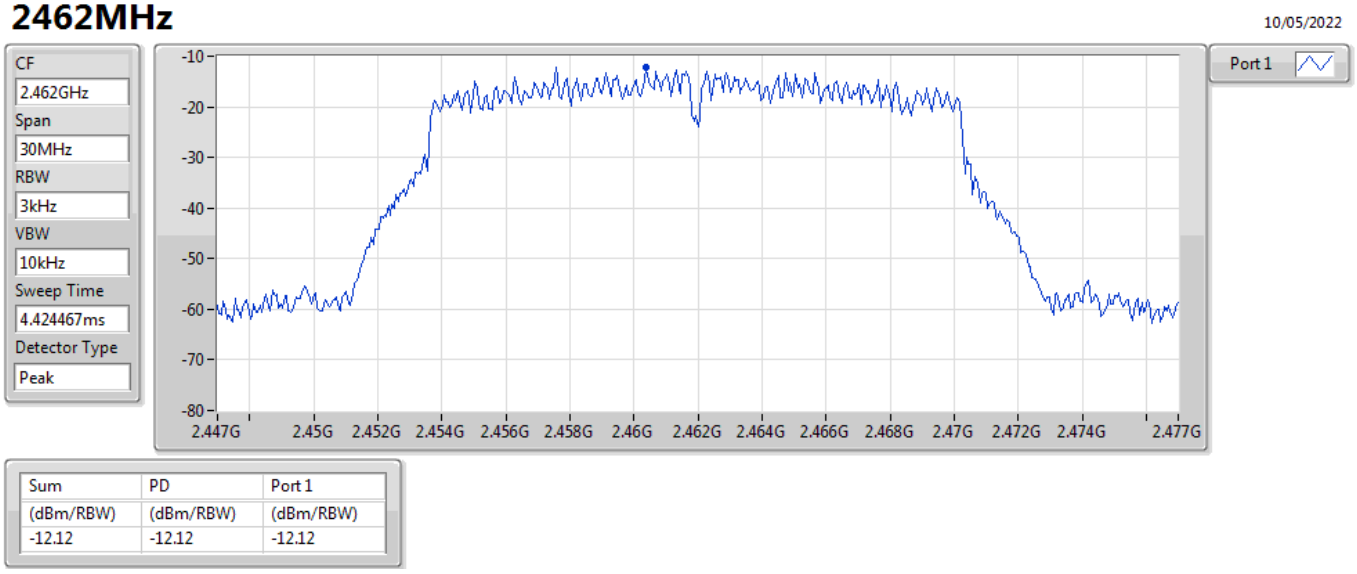
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.04	-12.04	-12.04

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.12	-12.12	-12.12

Summary

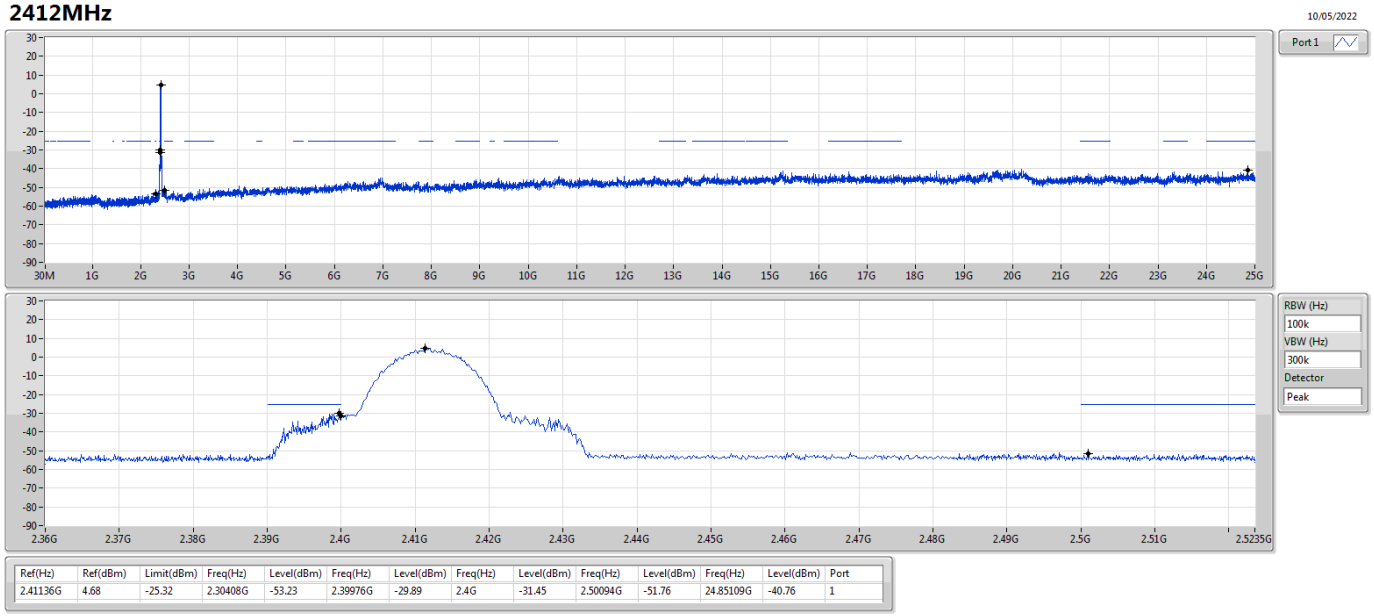
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41136G	4.68	-25.32	2.30408G	-53.23	2.39976G	-29.89	2.4G	-31.45	2.50094G	-51.76	24.85109G	-40.76	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.41286G	2.12	-27.88	2.30874G	-53.92	2.39984G	-34.91	2.4G	-37.77	2.51662G	-50.44	15.20587G	-41.48	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.41136G	1.33	-28.67	2.15846G	-53.50	2.39352G	-39.32	2.4G	-40.26	2.51758G	-50.61	24.6179G	-41.43	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	2.41136G	4.68	-25.32	2.30408G	-53.23	2.39976G	-29.89	2.4G	-31.45	2.50094G	-51.76	24.85109G	-40.76	1
2437MHz	Pass	2.41136G	4.68	-25.32	1.98371G	-53.72	2.39128G	-51.91	2.4G	-54.63	2.50774G	-51.44	16.99837G	-41.71	1
2462MHz	Pass	2.41136G	4.68	-25.32	2.30991G	-51.81	2.39144G	-51.74	2.4G	-54.15	2.50142G	-50.24	23.55027G	-41.66	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41286G	2.12	-27.88	2.30874G	-53.92	2.39984G	-34.91	2.4G	-37.77	2.51662G	-50.44	15.20587G	-41.48	1
2437MHz	Pass	2.41286G	2.12	-27.88	2.30525G	-52.60	2.39856G	-48.02	2.4G	-48.57	2.50734G	-49.95	24.44371G	-41.97	1
2462MHz	Pass	2.41286G	2.12	-27.88	959.67M	-54.00	2.39312G	-49.71	2.4G	-52.33	2.50134G	-48.85	15.29015G	-41.74	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41136G	1.33	-28.67	2.15846G	-53.50	2.39352G	-39.32	2.4G	-40.26	2.51758G	-50.61	24.6179G	-41.43	1
2437MHz	Pass	2.41136G	1.33	-28.67	2.30525G	-53.87	2.39176G	-49.49	2.4G	-51.51	2.50366G	-50.15	24.96909G	-41.89	1
2462MHz	Pass	2.41136G	1.33	-28.67	2.0571G	-53.70	2.39992G	-50.21	2.4G	-51.41	2.50646G	-49.26	24.03632G	-42.20	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

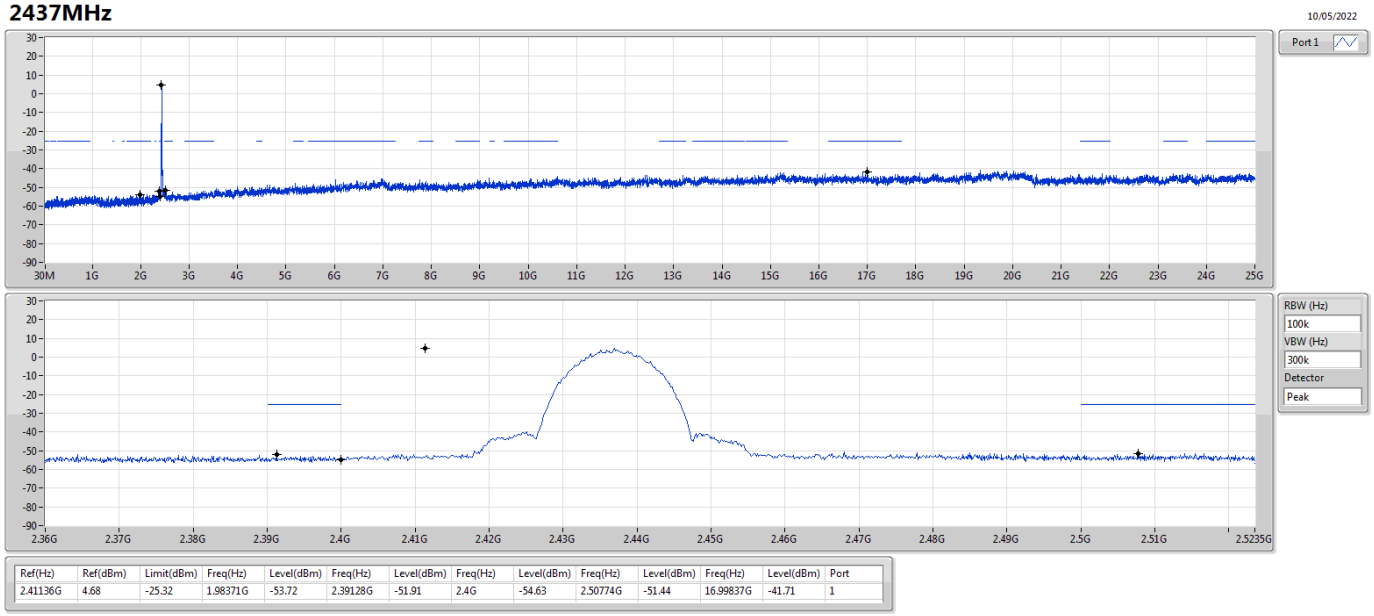
2412MHz



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
2.41136G	4.68	-25.32	2.30408G	-53.23	2.39976G	-29.89	2.4G	-31.45	2.50094G	-51.76	24.85109G	-40.76	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

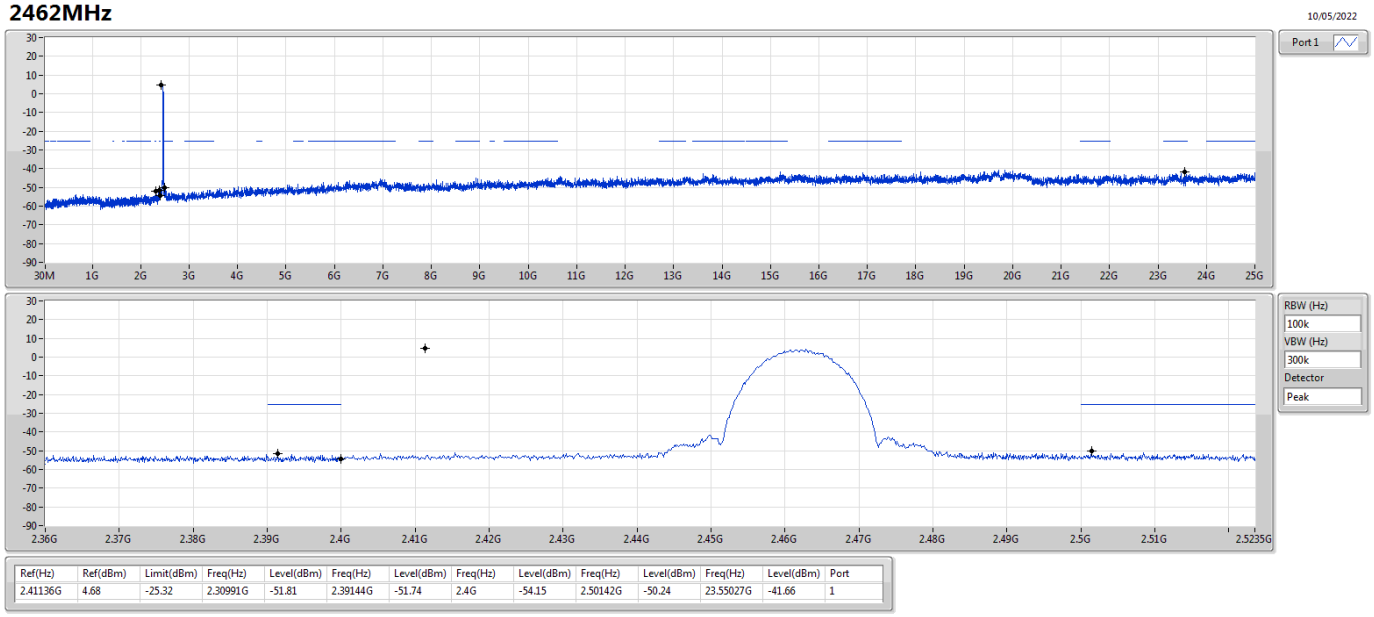
2437MHz



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
2.41136G	4.68	-25.32	1.98371G	-53.72	2.39128G	-51.91	2.4G	-54.63	2.50774G	-51.44	16.99837G	-41.71	1

802.11b_Nss1,(1Mbps)_1TX **CSENdB**

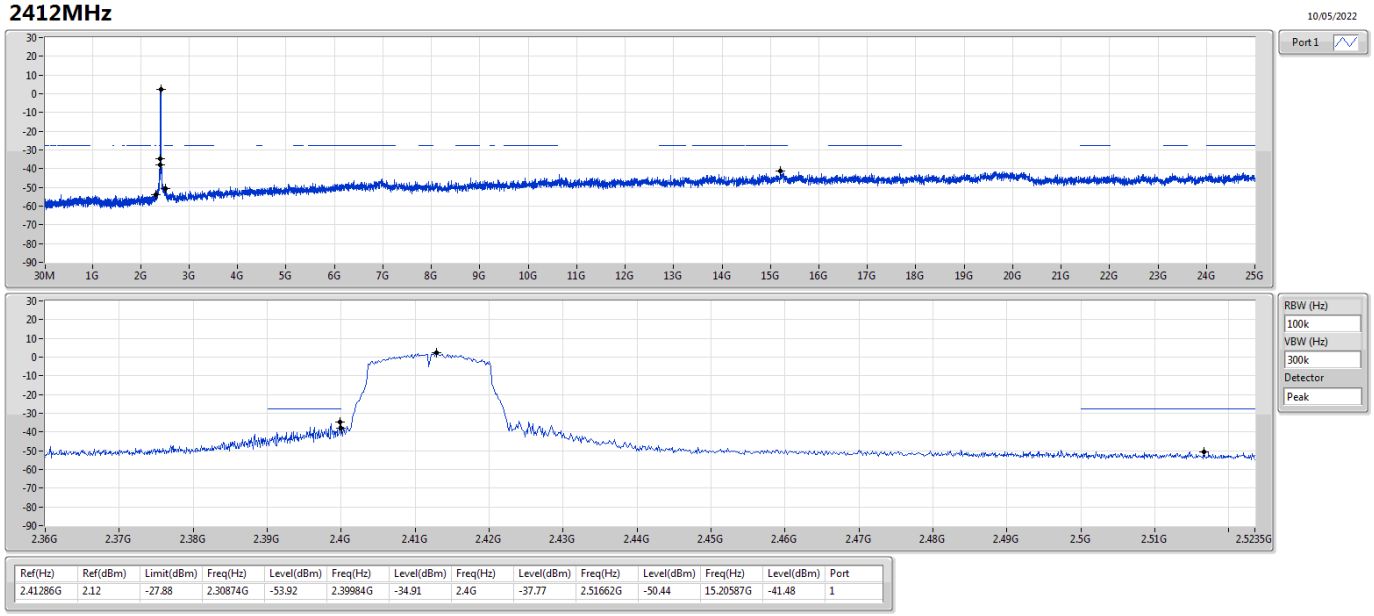
2462MHz



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
2.41136G	4.68	-25.32	2.30991G	-51.81	2.39144G	-51.74	2.4G	-54.15	2.50142G	-50.24	23.55027G	-41.66	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

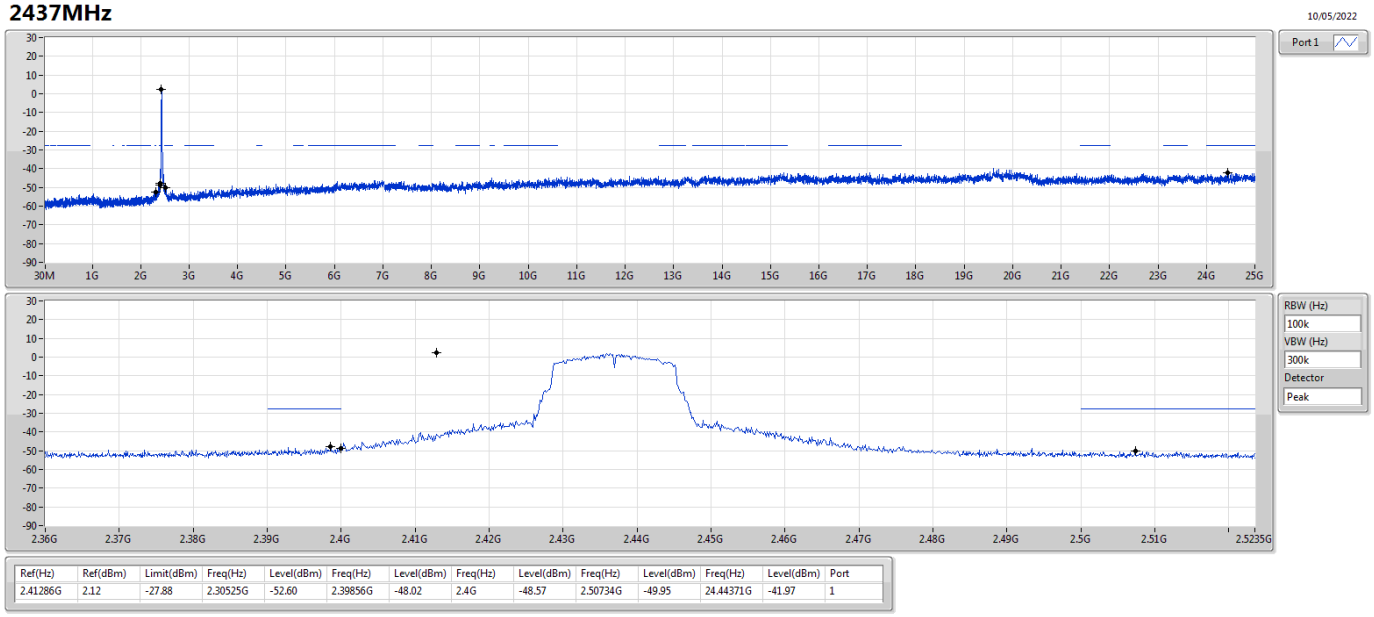
2412MHz



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
2.41286G	2.12	-27.88	2.30874G	-53.92	2.39984G	-34.91	2.4G	-37.77	2.51662G	-50.44	15.20587G	-41.48	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

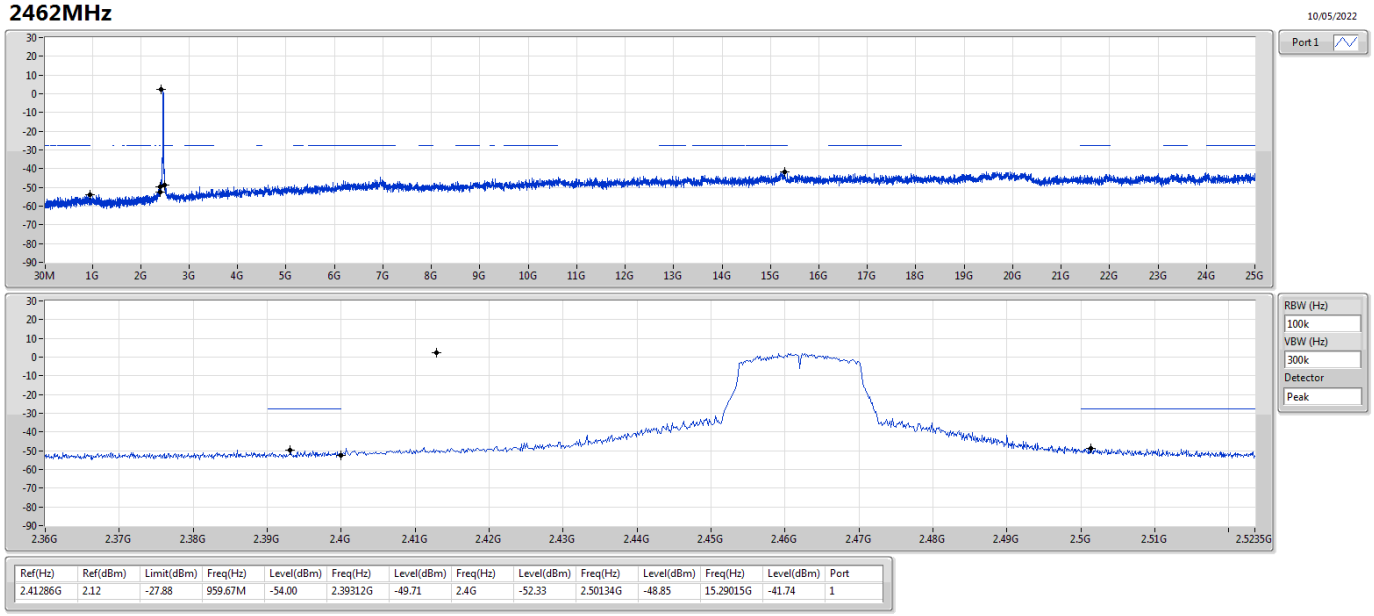
2437MHz



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
2.41286G	2.12	-27.88	2.30525G	-52.60	2.39856G	-48.02	2.4G	-48.57	2.50734G	-49.95	24.44371G	-41.97	1

802.11g_Nss1,(6Mbps)_1TX **CSENdB**

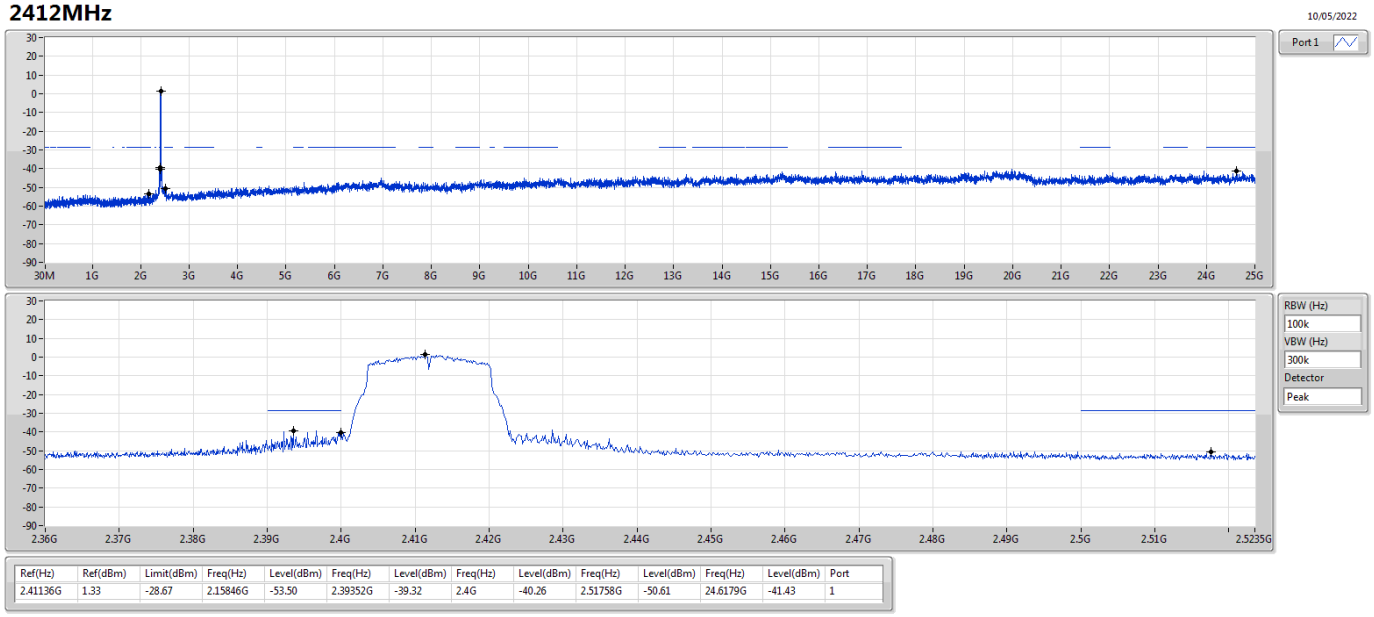
2462MHz



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
2.41286G	2.12	-27.88	959.67M	-54.00	2.39312G	-49.71	2.4G	-52.33	2.50134G	-48.85	15.29015G	-41.74	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

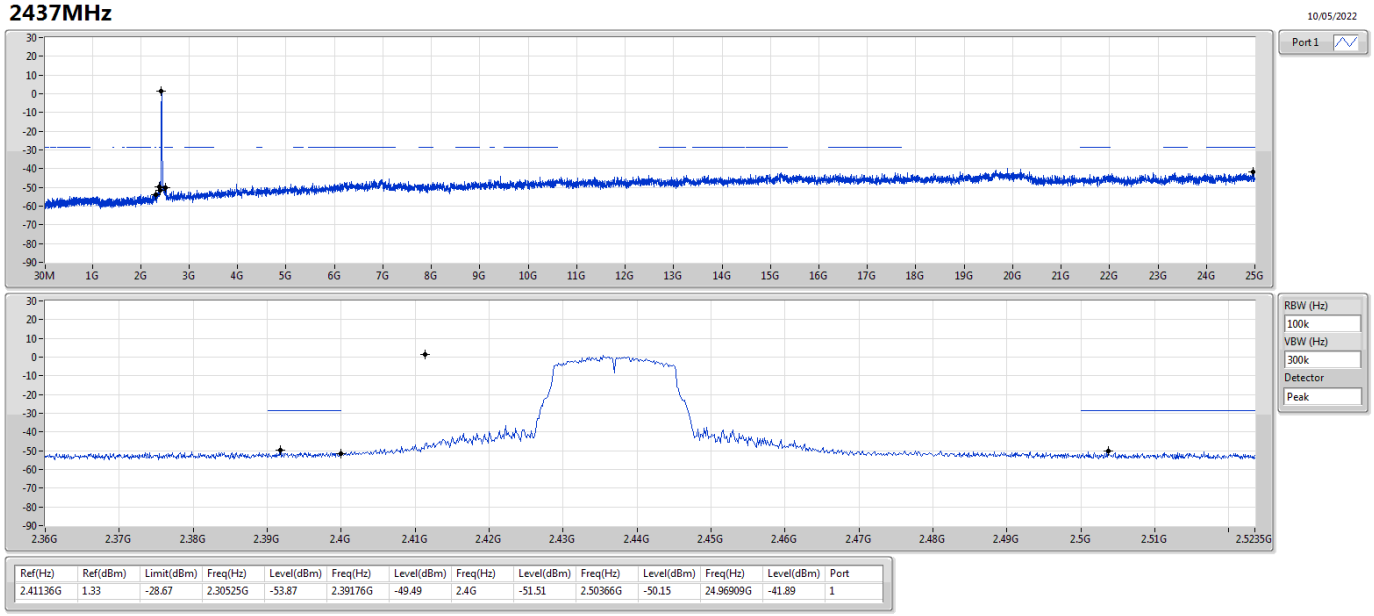
2412MHz



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
2.41136G	1.33	-28.67	2.15846G	-53.50	2.39352G	-39.32	2.4G	-40.26	2.51758G	-50.61	24.6179G	-41.43	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

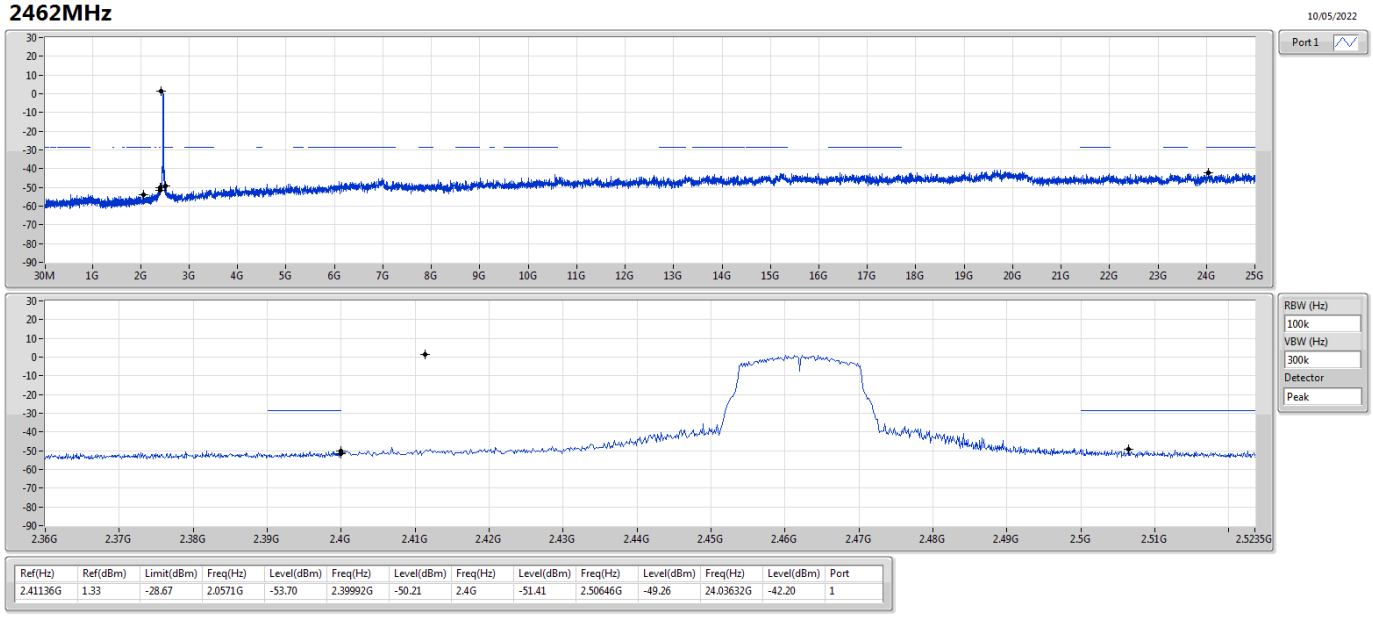
2437MHz



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
2.41136G	1.33	-28.67	2.30525G	-53.87	2.39176G	-49.49	2.4G	-51.51	2.50366G	-50.15	24.96909G	-41.89	1

802.11n HT20_Nss1,(MCS0)_1TX **CSENdB**

2462MHz



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
2.41136G	1.33	-28.67	2.0571G	-53.70	2.39992G	-50.21	2.4G	-51.41	2.50646G	-49.26	24.03632G	-42.20	1

Summary

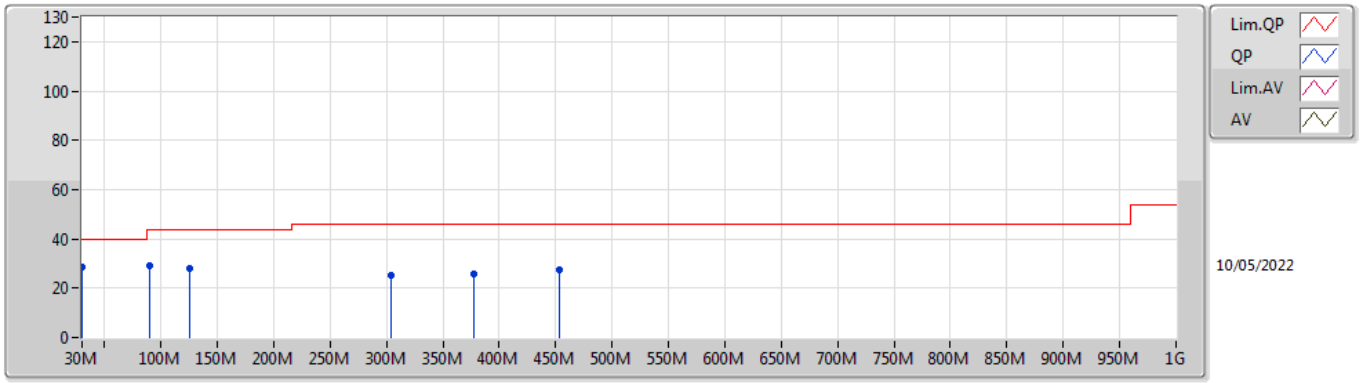
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	30M	28.39	40.00	-11.61	3	Vertical	360	1.00	-

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	30M	28.39	40.00	-11.61	3	Vertical	360	1.00	-
2437MHz	Pass	PK	90.14M	29.36	43.50	-14.14	3	Vertical	360	1.00	-
2437MHz	Pass	PK	125.06M	27.80	43.50	-15.70	3	Vertical	360	1.00	-
2437MHz	Pass	PK	303.54M	24.94	46.00	-21.06	3	Vertical	360	1.00	-
2437MHz	Pass	PK	377.26M	25.59	46.00	-20.41	3	Vertical	360	1.00	-
2437MHz	Pass	PK	452.92M	27.60	46.00	-18.40	3	Vertical	360	1.00	-
2437MHz	Pass	PK	90.14M	26.69	43.50	-16.81	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	125.06M	29.57	43.50	-13.93	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	196.84M	27.78	43.50	-15.72	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	307.42M	32.26	46.00	-13.74	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	340.4M	29.06	46.00	-16.94	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	449.04M	29.26	46.00	-16.74	3	Horizontal	0	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

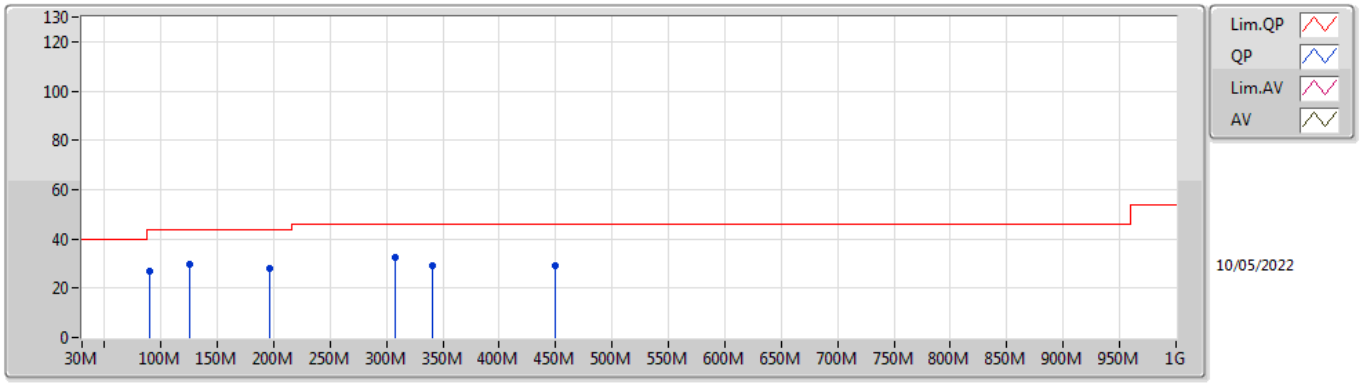
2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	28.39	40.00	-11.61	-2.94	3	Vertical	360	1.00	-	31.33	23.76	0.88	27.58
PK	90.14M	29.36	43.50	-14.14	-11.83	3	Vertical	360	1.00	-	41.19	14.03	1.54	27.40
PK	125.06M	27.80	43.50	-15.70	-8.12	3	Vertical	360	1.00	-	35.92	17.30	1.84	27.26
PK	303.54M	24.94	46.00	-21.06	-5.28	3	Vertical	360	1.00	-	30.22	18.41	2.94	26.63
PK	377.26M	25.59	46.00	-20.41	-3.72	3	Vertical	360	1.00	-	29.31	20.05	3.27	27.04
PK	452.92M	27.60	46.00	-18.40	-1.77	3	Vertical	360	1.00	-	29.37	22.20	3.60	27.57

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Switching Power Supply



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	90.14M	26.69	43.50	-16.81	-11.83	3	Horizontal	0	1.00	-	38.52	14.03	1.54	27.40
PK	125.06M	29.57	43.50	-13.93	-8.12	3	Horizontal	0	1.00	-	37.69	17.30	1.84	27.26
PK	196.84M	27.78	43.50	-15.72	-10.29	3	Horizontal	0	1.00	-	38.07	14.29	2.33	26.91
PK	307.42M	32.26	46.00	-13.74	-5.18	3	Horizontal	0	1.00	-	37.44	18.52	2.95	26.65
PK	340.4M	29.06	46.00	-16.94	-4.65	3	Horizontal	0	1.00	-	33.71	19.06	3.10	26.81
PK	449.04M	29.26	46.00	-16.74	-1.84	3	Horizontal	0	1.00	-	31.10	22.12	3.59	27.55

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	2.4904G	48.16	54.00	-5.84	3	Horizontal	352	1.48	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	50.36	54.00	-3.64	3	Horizontal	349	1.08	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	50.36	54.00	-3.64	3	Horizontal	353	1.49	-

Result

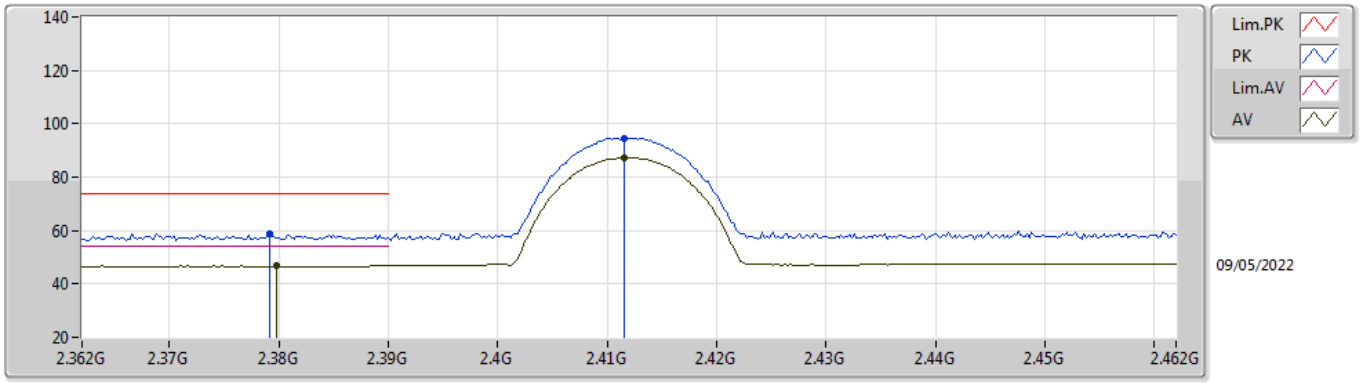
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3798G	46.85	54.00	-7.15	3	Vertical	180	1.95	-
2412MHz	Pass	AV	2.4116G	87.26	Inf	-Inf	3	Vertical	180	1.95	-
2412MHz	Pass	PK	2.3792G	58.92	74.00	-15.08	3	Vertical	180	1.95	-
2412MHz	Pass	PK	2.4116G	94.73	Inf	-Inf	3	Vertical	180	1.95	-
2412MHz	Pass	AV	2.3888G	46.91	54.00	-7.09	3	Horizontal	360	1.37	-
2412MHz	Pass	AV	2.4126G	97.29	Inf	-Inf	3	Horizontal	360	1.37	-
2412MHz	Pass	PK	2.363G	59.62	74.00	-14.38	3	Horizontal	360	1.37	-
2412MHz	Pass	PK	2.4126G	104.85	Inf	-Inf	3	Horizontal	360	1.37	-
2412MHz	Pass	AV	4.8264G	31.60	54.00	-22.40	3	Vertical	151	1.50	-
2412MHz	Pass	PK	4.82584G	44.13	74.00	-29.87	3	Vertical	151	1.50	-
2412MHz	Pass	AV	4.82384G	31.86	54.00	-22.14	3	Horizontal	323	1.38	-
2412MHz	Pass	PK	4.82252G	44.25	74.00	-29.75	3	Horizontal	323	1.38	-
2437MHz	Pass	AV	2.385G	46.86	54.00	-7.14	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.4366G	91.14	Inf	-Inf	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.4934G	47.92	54.00	-6.08	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.3454G	59.52	74.00	-14.48	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.4362G	98.88	Inf	-Inf	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.4966G	59.32	74.00	-14.68	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.3878G	47.16	54.00	-6.84	3	Horizontal	345	1.35	-
2437MHz	Pass	AV	2.4366G	101.62	Inf	-Inf	3	Horizontal	345	1.35	-
2437MHz	Pass	AV	2.4994G	47.94	54.00	-6.06	3	Horizontal	345	1.35	-
2437MHz	Pass	PK	2.3522G	59.45	74.00	-14.55	3	Horizontal	345	1.35	-
2437MHz	Pass	PK	2.437G	109.27	Inf	-Inf	3	Horizontal	345	1.35	-
2437MHz	Pass	PK	2.4838G	60.00	74.00	-14.00	3	Horizontal	345	1.35	-
2437MHz	Pass	AV	4.86644G	32.08	54.00	-21.92	3	Vertical	292	2.71	-
2437MHz	Pass	AV	7.31392G	37.92	54.00	-16.08	3	Vertical	151	2.09	-
2437MHz	Pass	PK	4.86548G	44.79	74.00	-29.21	3	Vertical	292	2.71	-
2437MHz	Pass	PK	7.31868G	51.07	74.00	-22.93	3	Vertical	151	2.09	-
2437MHz	Pass	AV	4.87384G	32.57	54.00	-21.43	3	Horizontal	314	1.10	-
2437MHz	Pass	AV	7.31668G	37.94	54.00	-16.06	3	Horizontal	149	1.26	-
2437MHz	Pass	PK	4.86916G	44.67	74.00	-29.33	3	Horizontal	314	1.10	-
2437MHz	Pass	PK	7.317G	51.71	74.00	-22.29	3	Horizontal	149	1.26	-
2462MHz	Pass	AV	2.462G	92.80	Inf	-Inf	3	Vertical	173	2.29	-
2462MHz	Pass	AV	2.5G	47.68	54.00	-6.32	3	Vertical	173	2.29	-
2462MHz	Pass	PK	2.461G	100.42	Inf	-Inf	3	Vertical	173	2.29	-
2462MHz	Pass	PK	2.4942G	60.00	74.00	-14.00	3	Vertical	173	2.29	-
2462MHz	Pass	AV	2.4622G	102.13	Inf	-Inf	3	Horizontal	352	1.48	-
2462MHz	Pass	AV	2.4904G	48.16	54.00	-5.84	3	Horizontal	352	1.48	-
2462MHz	Pass	PK	2.4634G	109.89	Inf	-Inf	3	Horizontal	352	1.48	-
2462MHz	Pass	PK	2.4962G	60.38	74.00	-13.62	3	Horizontal	352	1.48	-
2462MHz	Pass	AV	4.92336G	32.51	54.00	-21.49	3	Vertical	195	2.94	-
2462MHz	Pass	AV	7.37952G	37.86	54.00	-16.14	3	Vertical	30	1.48	-
2462MHz	Pass	PK	4.9318G	44.85	74.00	-29.15	3	Vertical	195	2.94	-
2462MHz	Pass	PK	7.39368G	50.43	74.00	-23.57	3	Vertical	30	1.48	-
2462MHz	Pass	AV	4.92388G	33.14	54.00	-20.86	3	Horizontal	22	1.50	-
2462MHz	Pass	AV	7.37716G	37.90	54.00	-16.10	3	Horizontal	38	2.17	-
2462MHz	Pass	PK	4.92296G	45.96	74.00	-28.04	3	Horizontal	22	1.50	-
2462MHz	Pass	PK	7.38036G	50.17	74.00	-23.83	3	Horizontal	38	2.17	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	47.17	54.00	-6.83	3	Vertical	85	2.91	-
2412MHz	Pass	AV	2.4128G	90.10	Inf	-Inf	3	Vertical	85	2.91	-
2412MHz	Pass	PK	2.39G	61.51	74.00	-12.49	3	Vertical	85	2.91	-
2412MHz	Pass	PK	2.411G	100.20	Inf	-Inf	3	Vertical	85	2.91	-
2412MHz	Pass	AV	2.39G	49.99	54.00	-4.01	3	Horizontal	360	1.37	-
2412MHz	Pass	AV	2.413G	99.12	Inf	-Inf	3	Horizontal	360	1.37	-
2412MHz	Pass	PK	2.3884G	69.35	74.00	-4.65	3	Horizontal	360	1.37	-
2412MHz	Pass	PK	2.4106G	109.38	Inf	-Inf	3	Horizontal	360	1.37	-
2412MHz	Pass	AV	4.82412G	31.59	54.00	-22.41	3	Vertical	123	1.15	-
2412MHz	Pass	PK	4.8298G	44.07	74.00	-29.93	3	Vertical	123	1.15	-
2412MHz	Pass	AV	4.8238G	32.21	54.00	-21.79	3	Horizontal	309	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	4.82452G	44.26	74.00	-29.74	3	Horizontal	309	1.00	-
2437MHz	Pass	AV	2.3858G	46.88	54.00	-7.12	3	Vertical	147	2.44	-
2437MHz	Pass	AV	2.4362G	89.17	Inf	-Inf	3	Vertical	147	2.44	-
2437MHz	Pass	AV	2.4962G	47.93	54.00	-6.07	3	Vertical	147	2.44	-
2437MHz	Pass	PK	2.3622G	59.55	74.00	-14.45	3	Vertical	147	2.44	-
2437MHz	Pass	PK	2.4366G	99.38	Inf	-Inf	3	Vertical	147	2.44	-
2437MHz	Pass	PK	2.4918G	59.77	74.00	-14.23	3	Vertical	147	2.44	-
2437MHz	Pass	AV	2.3886G	48.36	54.00	-5.64	3	Horizontal	348	1.34	-
2437MHz	Pass	AV	2.4362G	99.87	Inf	-Inf	3	Horizontal	348	1.34	-
2437MHz	Pass	AV	2.4835G	49.09	54.00	-4.91	3	Horizontal	348	1.34	-
2437MHz	Pass	PK	2.3826G	60.37	74.00	-13.63	3	Horizontal	348	1.34	-
2437MHz	Pass	PK	2.435G	110.61	Inf	-Inf	3	Horizontal	348	1.34	-
2437MHz	Pass	PK	2.4842G	61.60	74.00	-12.40	3	Horizontal	348	1.34	-
2437MHz	Pass	AV	4.86804G	32.10	54.00	-21.90	3	Vertical	45	1.44	-
2437MHz	Pass	AV	7.314G	37.92	54.00	-16.08	3	Vertical	313	2.58	-
2437MHz	Pass	PK	4.86672G	44.17	74.00	-29.83	3	Vertical	45	1.44	-
2437MHz	Pass	PK	7.31544G	50.65	74.00	-23.35	3	Vertical	313	2.58	-
2437MHz	Pass	AV	4.87368G	32.57	54.00	-21.43	3	Horizontal	215	1.01	-
2437MHz	Pass	AV	7.31388G	37.92	54.00	-16.08	3	Horizontal	211	2.16	-
2437MHz	Pass	PK	4.87372G	45.77	74.00	-28.23	3	Horizontal	215	1.01	-
2437MHz	Pass	PK	7.3106G	50.42	74.00	-23.58	3	Horizontal	211	2.16	-
2462MHz	Pass	AV	2.4612G	90.07	Inf	-Inf	3	Vertical	174	2.28	-
2462MHz	Pass	AV	2.4852G	48.13	54.00	-5.87	3	Vertical	174	2.28	-
2462MHz	Pass	PK	2.4608G	100.51	Inf	-Inf	3	Vertical	174	2.28	-
2462MHz	Pass	PK	2.4838G	60.98	74.00	-13.02	3	Vertical	174	2.28	-
2462MHz	Pass	AV	2.4628G	99.73	Inf	-Inf	3	Horizontal	349	1.08	-
2462MHz	Pass	AV	2.4835G	50.36	54.00	-3.64	3	Horizontal	349	1.08	-
2462MHz	Pass	PK	2.4628G	109.57	Inf	-Inf	3	Horizontal	349	1.08	-
2462MHz	Pass	PK	2.4835G	69.23	74.00	-4.77	3	Horizontal	349	1.08	-
2462MHz	Pass	AV	4.92372G	32.79	54.00	-21.21	3	Vertical	354	2.60	-
2462MHz	Pass	AV	7.3766G	37.90	54.00	-16.10	3	Vertical	89	2.47	-
2462MHz	Pass	PK	4.92448G	45.52	74.00	-28.48	3	Vertical	354	2.60	-
2462MHz	Pass	PK	7.3832G	50.53	74.00	-23.47	3	Vertical	89	2.47	-
2462MHz	Pass	AV	4.92404G	33.32	54.00	-20.68	3	Horizontal	213	1.75	-
2462MHz	Pass	AV	7.37824G	37.97	54.00	-16.03	3	Horizontal	325	2.40	-
2462MHz	Pass	PK	4.92404G	45.69	74.00	-28.31	3	Horizontal	213	1.75	-
2462MHz	Pass	PK	7.389G	50.93	74.00	-23.07	3	Horizontal	325	2.40	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389G	47.17	54.00	-6.83	3	Vertical	85	2.91	-
2412MHz	Pass	AV	2.4128G	90.13	Inf	-Inf	3	Vertical	85	2.91	-
2412MHz	Pass	PK	2.3896G	59.49	74.00	-14.51	3	Vertical	85	2.91	-
2412MHz	Pass	PK	2.413G	100.59	Inf	-Inf	3	Vertical	85	2.91	-
2412MHz	Pass	AV	2.39G	49.99	54.00	-4.01	3	Horizontal	0	1.38	-
2412MHz	Pass	AV	2.4128G	99.35	Inf	-Inf	3	Horizontal	0	1.38	-
2412MHz	Pass	PK	2.39G	69.18	74.00	-4.82	3	Horizontal	0	1.38	-
2412MHz	Pass	PK	2.413G	109.20	Inf	-Inf	3	Horizontal	0	1.38	-
2412MHz	Pass	AV	4.82396G	32.38	54.00	-21.62	3	Vertical	262	2.93	-
2412MHz	Pass	PK	4.82436G	45.34	74.00	-28.66	3	Vertical	262	2.93	-
2412MHz	Pass	AV	4.82384G	32.38	54.00	-21.62	3	Horizontal	226	2.30	-
2412MHz	Pass	PK	4.8194G	44.98	74.00	-29.02	3	Horizontal	226	2.30	-
2437MHz	Pass	AV	2.3886G	46.91	54.00	-7.09	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.4358G	88.34	Inf	-Inf	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.4942G	47.93	54.00	-6.07	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.385G	59.56	74.00	-14.44	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.4378G	98.70	Inf	-Inf	3	Vertical	147	2.45	-
2437MHz	Pass	PK	2.487G	59.14	74.00	-14.86	3	Vertical	147	2.45	-
2437MHz	Pass	AV	2.3898G	47.91	54.00	-6.09	3	Horizontal	0	1.31	-
2437MHz	Pass	AV	2.4362G	98.98	Inf	-Inf	3	Horizontal	0	1.31	-
2437MHz	Pass	AV	2.4835G	48.86	54.00	-5.14	3	Horizontal	0	1.31	-
2437MHz	Pass	PK	2.3822G	59.67	74.00	-14.33	3	Horizontal	0	1.31	-
2437MHz	Pass	PK	2.4358G	108.64	Inf	-Inf	3	Horizontal	0	1.31	-
2437MHz	Pass	PK	2.485G	60.99	74.00	-13.01	3	Horizontal	0	1.31	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	4.86652G	31.99	54.00	-22.01	3	Vertical	185	2.27	-
2437MHz	Pass	AV	7.3168G	37.94	54.00	-16.06	3	Vertical	128	1.35	-
2437MHz	Pass	PK	4.87036G	44.68	74.00	-29.32	3	Vertical	185	2.27	-
2437MHz	Pass	PK	7.31592G	50.10	74.00	-23.90	3	Vertical	128	1.35	-
2437MHz	Pass	AV	4.87376G	32.66	54.00	-21.34	3	Horizontal	216	1.05	-
2437MHz	Pass	AV	7.30712G	37.96	54.00	-16.04	3	Horizontal	275	1.73	-
2437MHz	Pass	PK	4.87484G	45.10	74.00	-28.90	3	Horizontal	216	1.05	-
2437MHz	Pass	PK	7.31284G	49.93	74.00	-24.07	3	Horizontal	275	1.73	-
2462MHz	Pass	AV	2.4628G	90.16	Inf	-Inf	3	Vertical	173	2.28	-
2462MHz	Pass	AV	2.4835G	48.12	54.00	-5.88	3	Vertical	173	2.28	-
2462MHz	Pass	PK	2.4608G	100.63	Inf	-Inf	3	Vertical	173	2.28	-
2462MHz	Pass	PK	2.4835G	61.54	74.00	-12.46	3	Vertical	173	2.28	-
2462MHz	Pass	AV	2.463G	99.58	Inf	-Inf	3	Horizontal	353	1.49	-
2462MHz	Pass	AV	2.4835G	50.36	54.00	-3.64	3	Horizontal	353	1.49	-
2462MHz	Pass	PK	2.4626G	109.23	Inf	-Inf	3	Horizontal	353	1.49	-
2462MHz	Pass	PK	2.4842G	69.60	74.00	-4.40	3	Horizontal	353	1.49	-
2462MHz	Pass	AV	4.92344G	32.42	54.00	-21.58	3	Vertical	76	1.73	-
2462MHz	Pass	AV	7.37744G	37.90	54.00	-16.10	3	Vertical	207	1.51	-
2462MHz	Pass	PK	4.91992G	45.42	74.00	-28.58	3	Vertical	76	1.73	-
2462MHz	Pass	PK	7.37692G	50.42	74.00	-23.58	3	Vertical	207	1.51	-
2462MHz	Pass	AV	4.92408G	33.65	54.00	-20.35	3	Horizontal	222	1.09	-
2462MHz	Pass	AV	7.37692G	37.90	54.00	-16.10	3	Horizontal	269	1.41	-
2462MHz	Pass	PK	4.92456G	46.06	74.00	-27.94	3	Horizontal	222	1.09	-
2462MHz	Pass	PK	7.38008G	50.47	74.00	-23.53	3	Horizontal	269	1.41	-

802.11b_Nss1,(1Mbps)_1TX

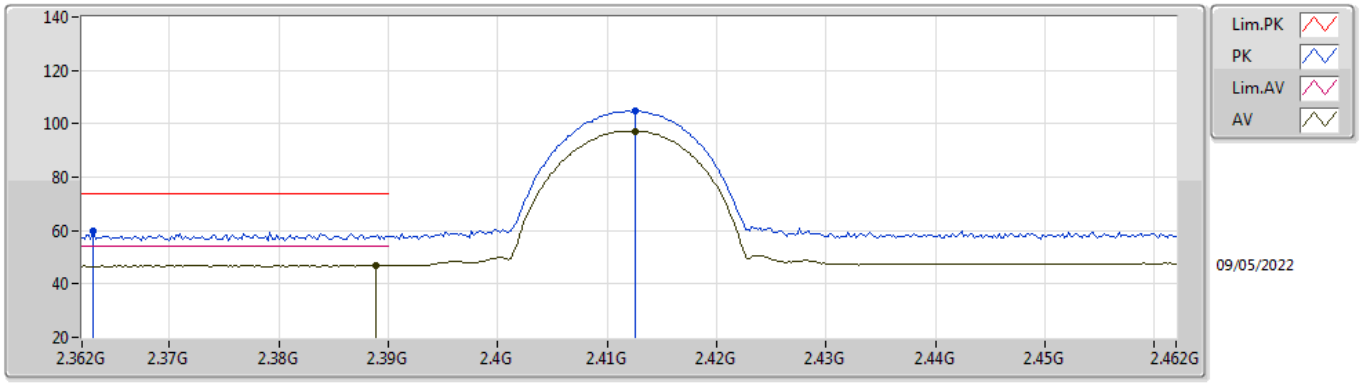
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3798G	46.85	54.00	-7.15	31.72	3	Vertical	180	1.95	-	15.13	27.36	4.36	-
AV	2.4116G	87.26	Inf	-Inf	31.85	3	Vertical	180	1.95	-	55.41	27.45	4.40	-
PK	2.3792G	58.92	74.00	-15.08	31.72	3	Vertical	180	1.95	-	27.20	27.36	4.36	-
PK	2.4116G	94.73	Inf	-Inf	31.85	3	Vertical	180	1.95	-	62.88	27.45	4.40	-

802.11b_Nss1,(1Mbps)_1TX

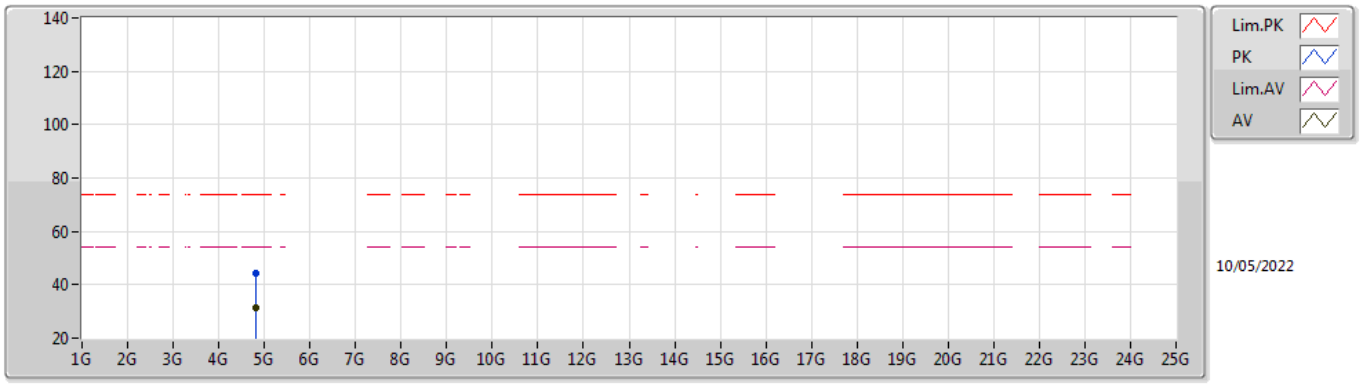
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	46.91	54.00	-7.09	31.75	3	Horizontal	360	1.37	-	15.16	27.38	4.37	-
AV	2.4126G	97.29	Inf	-Inf	31.85	3	Horizontal	360	1.37	-	65.44	27.45	4.40	-
PK	2.363G	59.62	74.00	-14.38	31.67	3	Horizontal	360	1.37	-	27.95	27.33	4.34	-
PK	2.4126G	104.85	Inf	-Inf	31.85	3	Horizontal	360	1.37	-	73.00	27.45	4.40	-

802.11b_Nss1,(1Mbps)_1TX

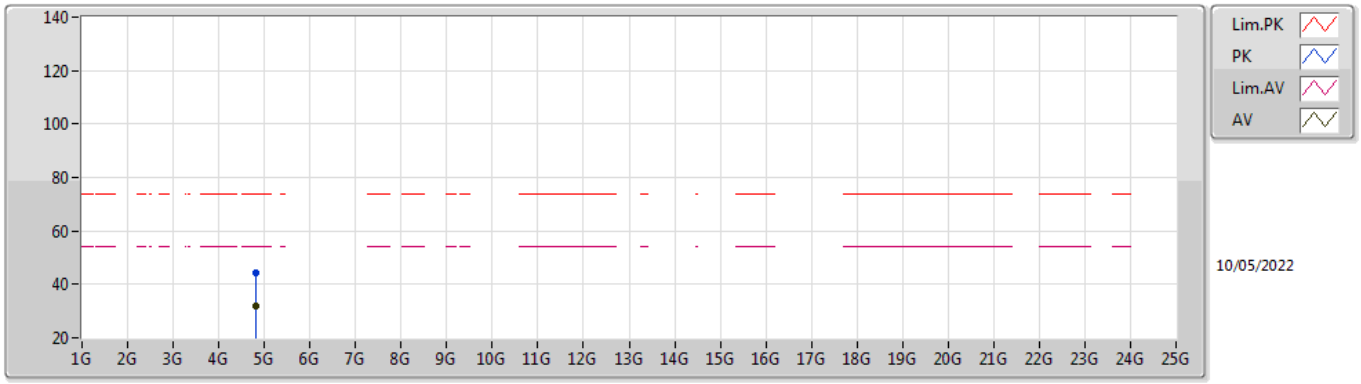
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8264G	31.60	54.00	-22.40	4.44	3	Vertical	151	1.50	-	27.16	32.61	6.28	34.45
PK	4.82584G	44.13	74.00	-29.87	4.43	3	Vertical	151	1.50	-	39.70	32.60	6.28	34.45

802.11b_Nss1,(1Mbps)_1TX

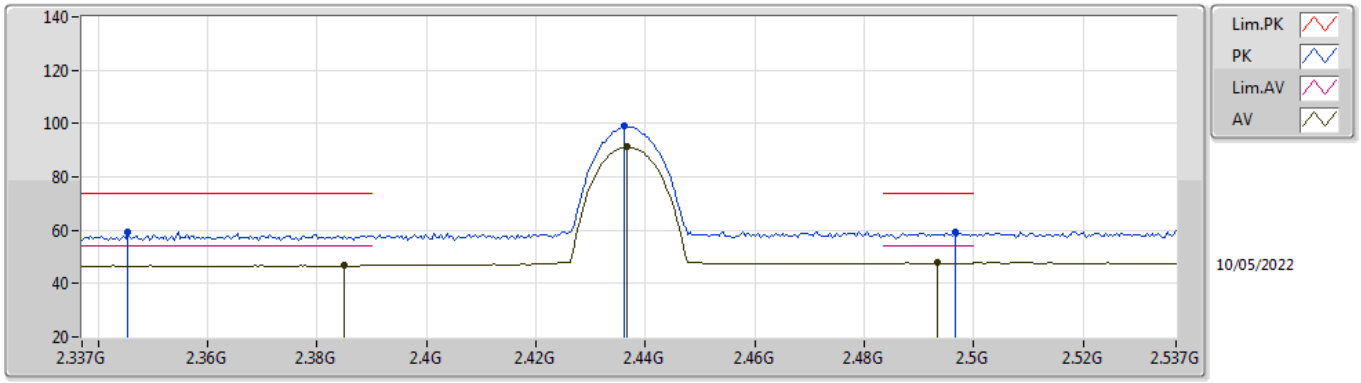
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82384G	31.86	54.00	-22.14	4.42	3	Horizontal	323	1.38	-	27.44	32.60	6.27	34.45
PK	4.82252G	44.25	74.00	-29.75	4.41	3	Horizontal	323	1.38	-	39.84	32.59	6.27	34.45

802.11b_Nss1,(1Mbps)_1TX

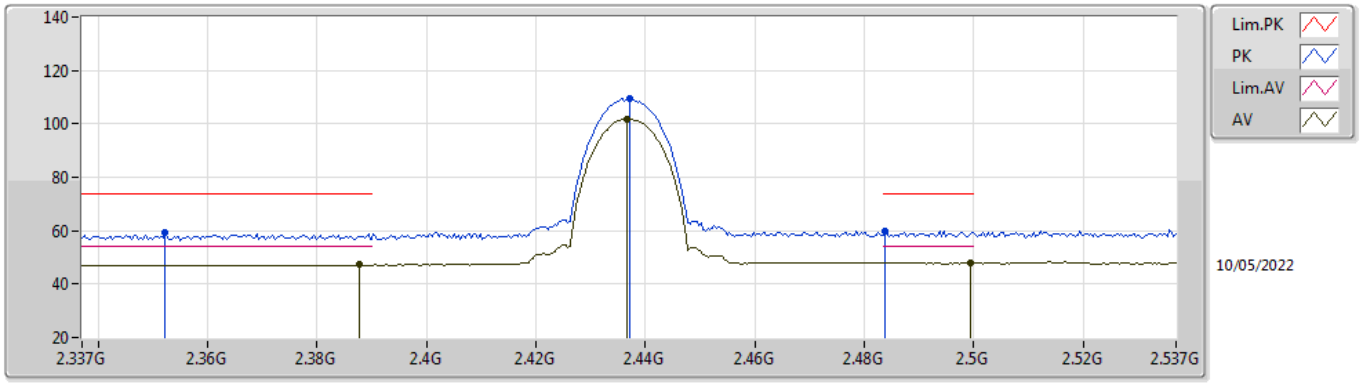
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.385G	46.86	54.00	-7.14	31.73	3	Vertical	147	2.45	-	15.13	27.37	4.36	-
AV	2.4366G	91.14	Inf	-Inf	31.98	3	Vertical	147	2.45	-	59.16	27.55	4.43	-
AV	2.4934G	47.92	54.00	-6.08	32.38	3	Vertical	147	2.45	-	15.54	27.86	4.52	-
PK	2.3454G	59.52	74.00	-14.48	31.60	3	Vertical	147	2.45	-	27.92	27.28	4.32	-
PK	2.4362G	98.88	Inf	-Inf	31.97	3	Vertical	147	2.45	-	66.91	27.54	4.43	-
PK	2.4966G	59.32	74.00	-14.68	32.40	3	Vertical	147	2.45	-	26.92	27.88	4.52	-

802.11b_Nss1,(1Mbps)_1TX

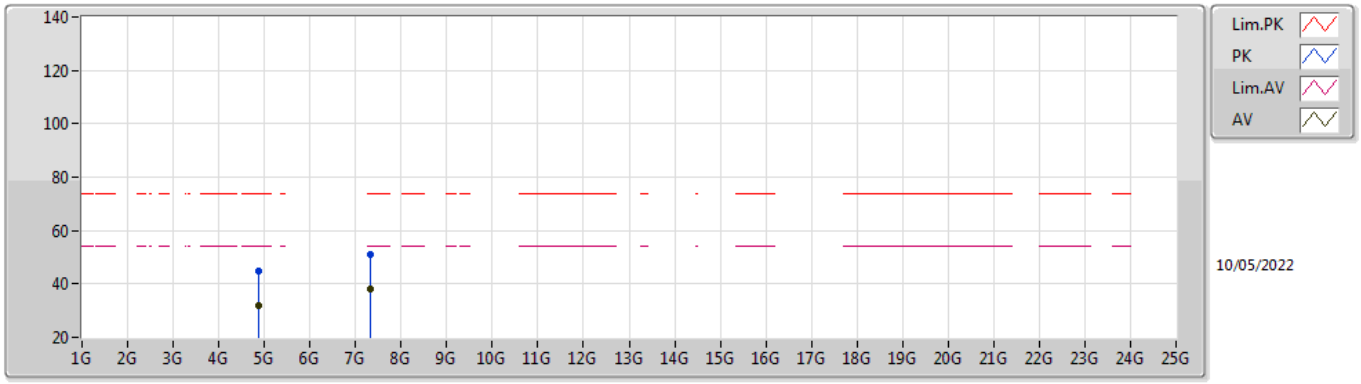
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	47.16	54.00	-6.84	31.75	3	Horizontal	345	1.35	-	15.41	27.38	4.37	-
AV	2.4366G	101.62	Inf	-Inf	31.98	3	Horizontal	345	1.35	-	69.64	27.55	4.43	-
AV	2.4994G	47.94	54.00	-6.06	32.42	3	Horizontal	345	1.35	-	15.52	27.90	4.52	-
PK	2.3522G	59.45	74.00	-14.55	31.63	3	Horizontal	345	1.35	-	27.82	27.30	4.33	-
PK	2.437G	109.27	Inf	-Inf	31.98	3	Horizontal	345	1.35	-	77.29	27.55	4.43	-
PK	2.4838G	60.00	74.00	-14.00	32.30	3	Horizontal	345	1.35	-	27.70	27.80	4.50	-

802.11b_Nss1,(1Mbps)_1TX

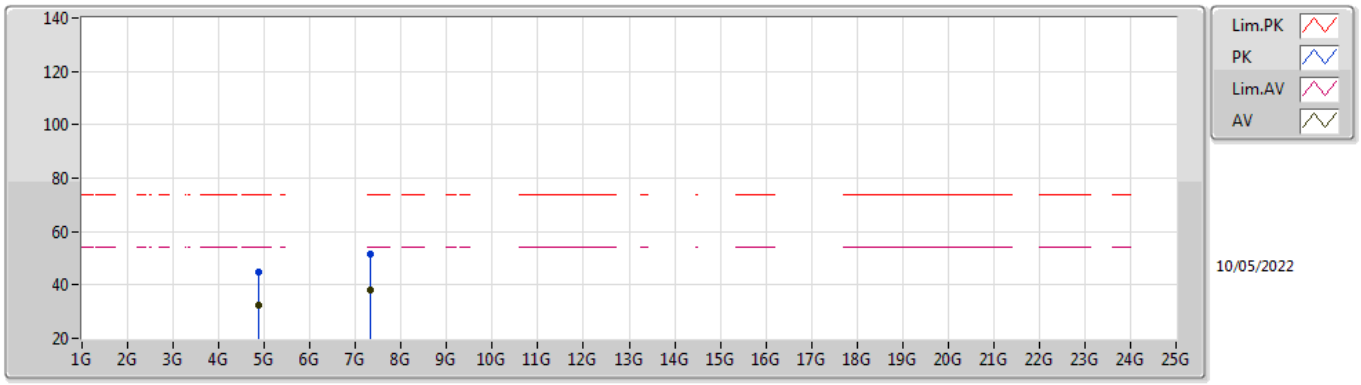
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86644G	32.08	54.00	-21.92	4.59	3	Vertical	292	2.71	-	27.49	32.73	6.30	34.44
AV	7.31392G	37.92	54.00	-16.08	10.09	3	Vertical	151	2.09	-	27.83	36.76	8.14	34.81
PK	4.86548G	44.79	74.00	-29.21	4.59	3	Vertical	292	2.71	-	40.20	32.73	6.30	34.44
PK	7.31868G	51.07	74.00	-22.93	10.10	3	Vertical	151	2.09	-	40.97	36.77	8.14	34.81

802.11b_Nss1,(1Mbps)_1TX

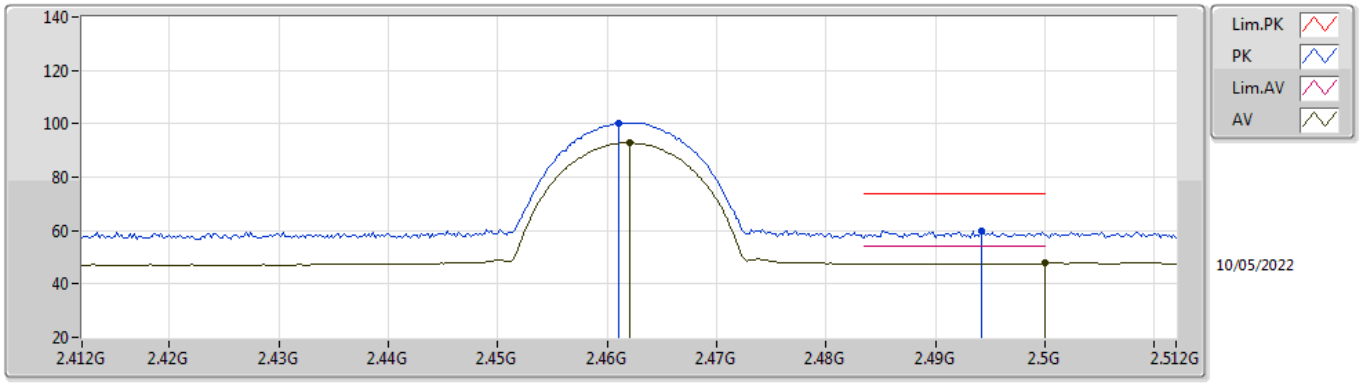
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87384G	32.57	54.00	-21.43	4.61	3	Horizontal	314	1.10	-	27.96	32.75	6.30	34.44
AV	7.31668G	37.94	54.00	-16.06	10.10	3	Horizontal	149	1.26	-	27.84	36.77	8.14	34.81
PK	4.86916G	44.67	74.00	-29.33	4.60	3	Horizontal	314	1.10	-	40.07	32.74	6.30	34.44
PK	7.317G	51.71	74.00	-22.29	10.10	3	Horizontal	149	1.26	-	41.61	36.77	8.14	34.81

802.11b_Nss1,(1Mbps)_1TX

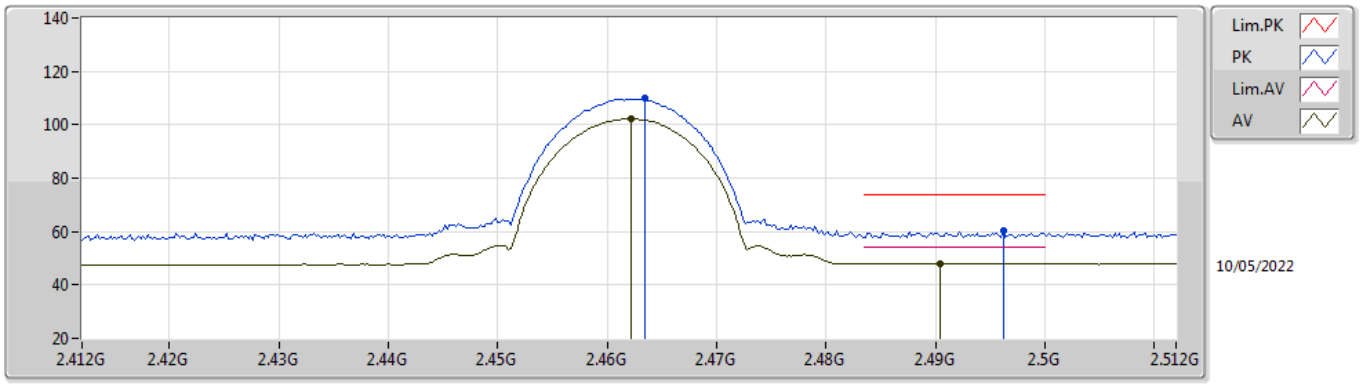
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.462G	92.80	Inf	-Inf	32.14	3	Vertical	173	2.29	-	60.66	27.67	4.47	-
AV	2.5G	47.68	54.00	-6.32	32.43	3	Vertical	173	2.29	-	15.25	27.90	4.53	-
PK	2.461G	100.42	Inf	-Inf	32.14	3	Vertical	173	2.29	-	68.28	27.67	4.47	-
PK	2.4942G	60.00	74.00	-14.00	32.39	3	Vertical	173	2.29	-	27.61	27.87	4.52	-

802.11b_Nss1,(1Mbps)_1TX

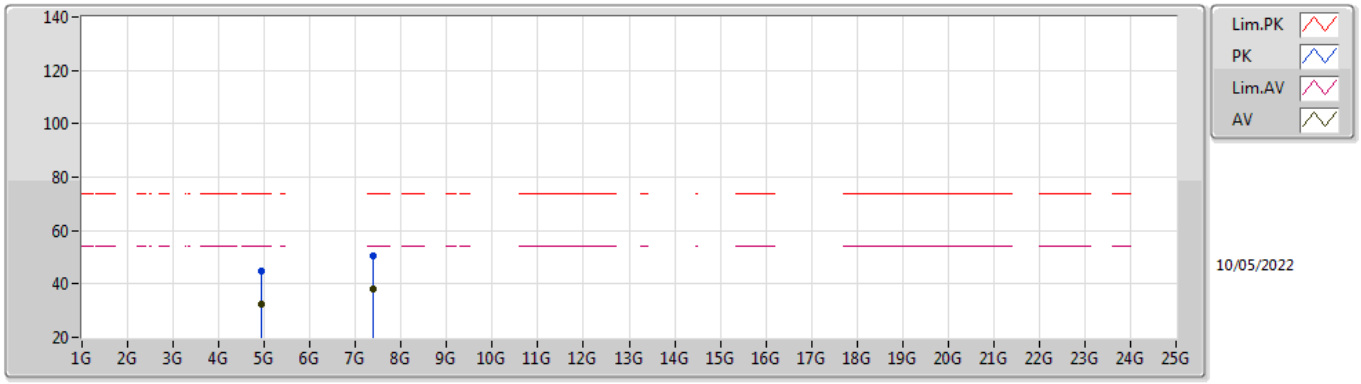
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4622G	102.13	Inf	-Inf	32.14	3	Horizontal	352	1.48	-	69.99	27.67	4.47	-
AV	2.4904G	48.16	54.00	-5.84	32.35	3	Horizontal	352	1.48	-	15.81	27.84	4.51	-
PK	2.4634G	109.89	Inf	-Inf	32.15	3	Horizontal	352	1.48	-	77.74	27.68	4.47	-
PK	2.4962G	60.38	74.00	-13.62	32.40	3	Horizontal	352	1.48	-	27.98	27.88	4.52	-

802.11b_Nss1,(1Mbps)_1TX

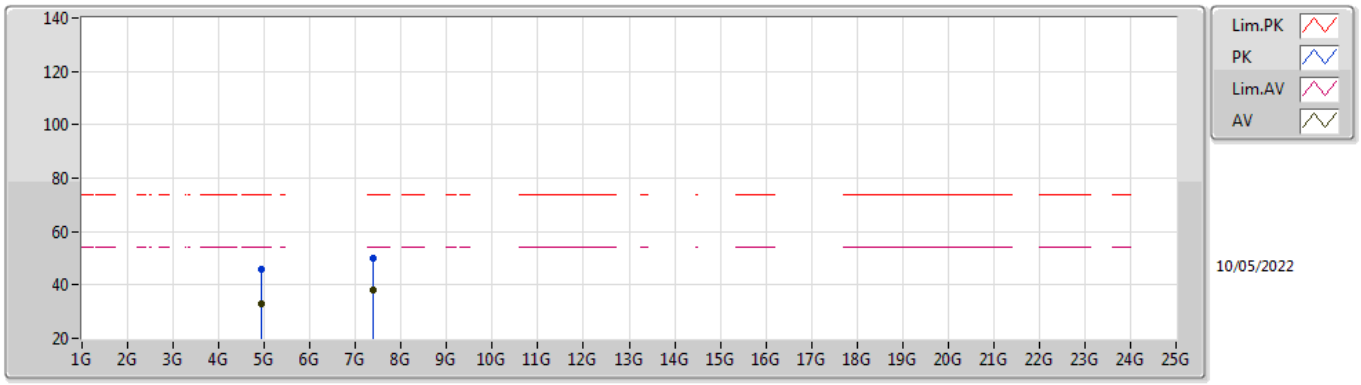
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92336G	32.51	54.00	-21.49	4.83	3	Vertical	195	2.94	-	27.68	32.94	6.33	34.44
AV	7.37952G	37.86	54.00	-16.14	10.01	3	Vertical	30	1.48	-	27.85	36.72	8.12	34.83
PK	4.9318G	44.85	74.00	-29.15	4.89	3	Vertical	195	2.94	-	39.96	32.99	6.34	34.44
PK	7.39368G	50.43	74.00	-23.57	9.91	3	Vertical	30	1.48	-	40.52	36.64	8.11	34.84

802.11b_Nss1,(1Mbps)_1TX

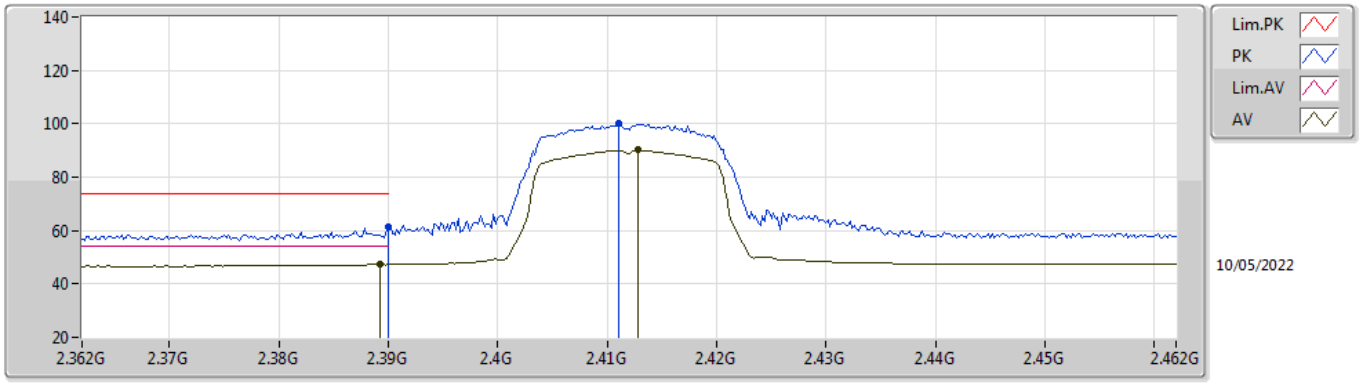
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92388G	33.14	54.00	-20.86	4.83	3	Horizontal	22	1.50	-	28.31	32.94	6.33	34.44
AV	7.37716G	37.90	54.00	-16.10	10.03	3	Horizontal	38	2.17	-	27.87	36.74	8.12	34.83
PK	4.92296G	45.96	74.00	-28.04	4.83	3	Horizontal	22	1.50	-	41.13	32.94	6.33	34.44
PK	7.38036G	50.17	74.00	-23.83	10.01	3	Horizontal	38	2.17	-	40.16	36.72	8.12	34.83

802.11g_Nss1,(6Mbps)_1TX

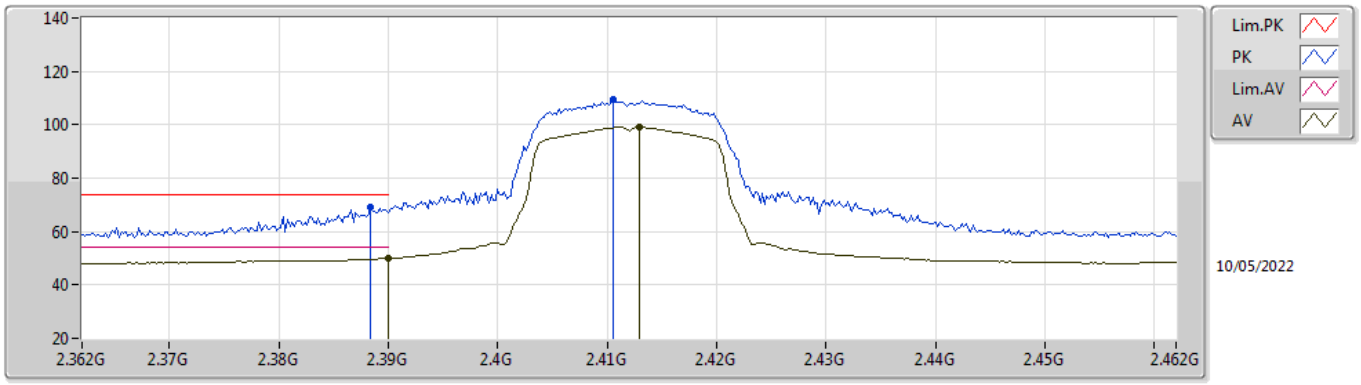
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	47.17	54.00	-6.83	31.75	3	Vertical	85	2.91	-	15.42	27.38	4.37	-
AV	2.4128G	90.10	Inf	-Inf	31.85	3	Vertical	85	2.91	-	58.25	27.45	4.40	-
PK	2.39G	61.51	74.00	-12.49	31.75	3	Vertical	85	2.91	-	29.76	27.38	4.37	-
PK	2.411G	100.20	Inf	-Inf	31.84	3	Vertical	85	2.91	-	68.36	27.44	4.40	-

802.11g_Nss1,(6Mbps)_1TX

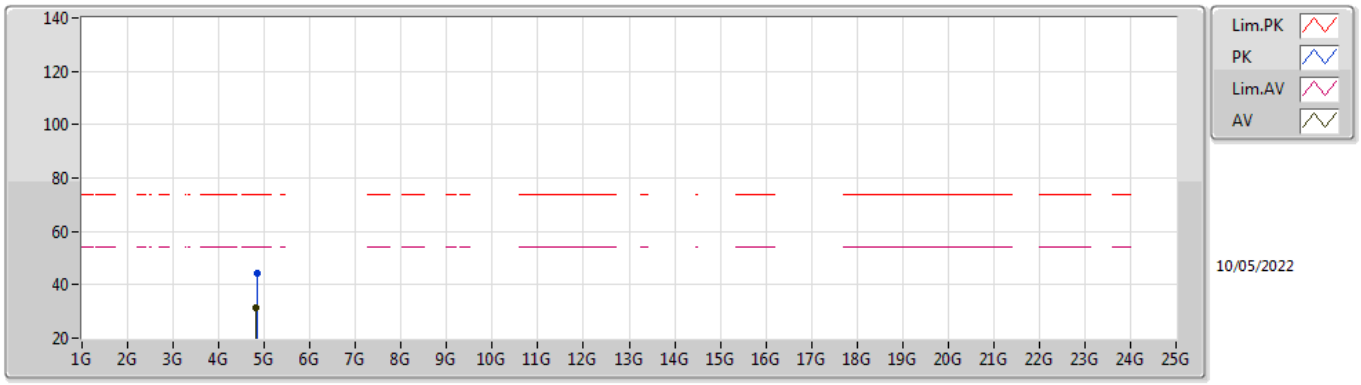
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.99	54.00	-4.01	31.75	3	Horizontal	360	1.37	-	18.24	27.38	4.37	-
AV	2.413G	99.12	Inf	-Inf	31.85	3	Horizontal	360	1.37	-	67.27	27.45	4.40	-
PK	2.3884G	69.35	74.00	-4.65	31.75	3	Horizontal	360	1.37	-	37.60	27.38	4.37	-
PK	2.4106G	109.38	Inf	-Inf	31.84	3	Horizontal	360	1.37	-	77.54	27.44	4.40	-

802.11g_Nss1,(6Mbps)_1TX

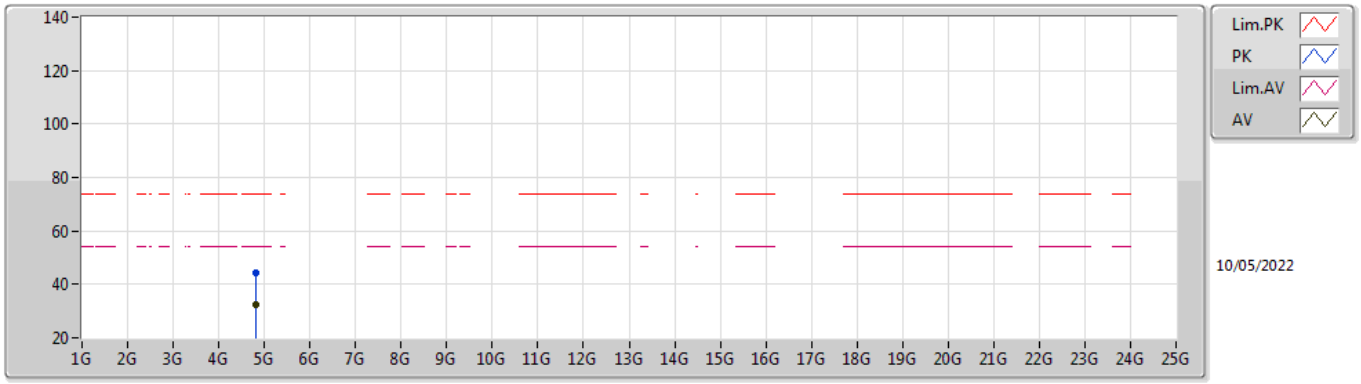
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82412G	31.59	54.00	-22.41	4.42	3	Vertical	123	1.15	-	27.17	32.60	6.27	34.45
PK	4.8298G	44.07	74.00	-29.93	4.45	3	Vertical	123	1.15	-	39.62	32.62	6.28	34.45

802.11g_Nss1,(6Mbps)_1TX

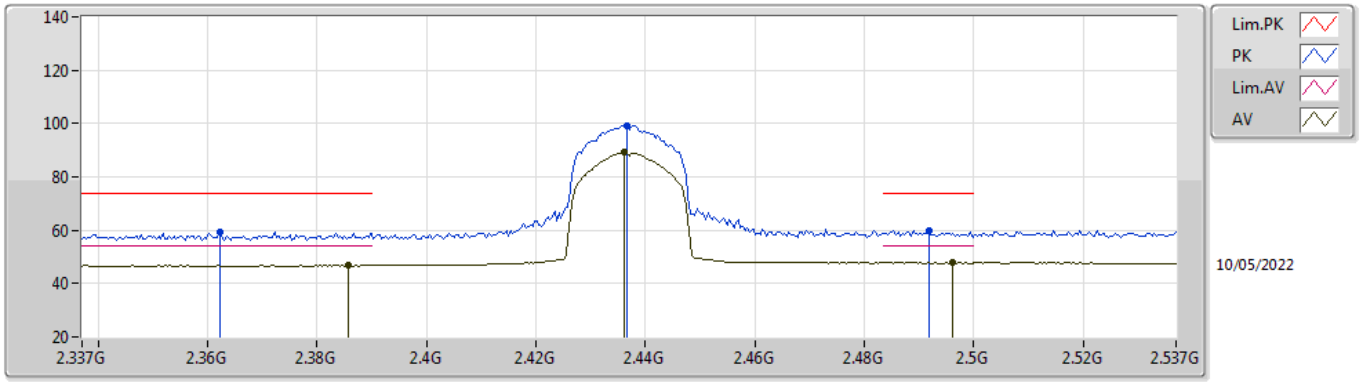
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8238G	32.21	54.00	-21.79	4.42	3	Horizontal	309	1.00	-	27.79	32.60	6.27	34.45
PK	4.82452G	44.26	74.00	-29.74	4.42	3	Horizontal	309	1.00	-	39.84	32.60	6.27	34.45

802.11g_Nss1,(6Mbps)_1TX

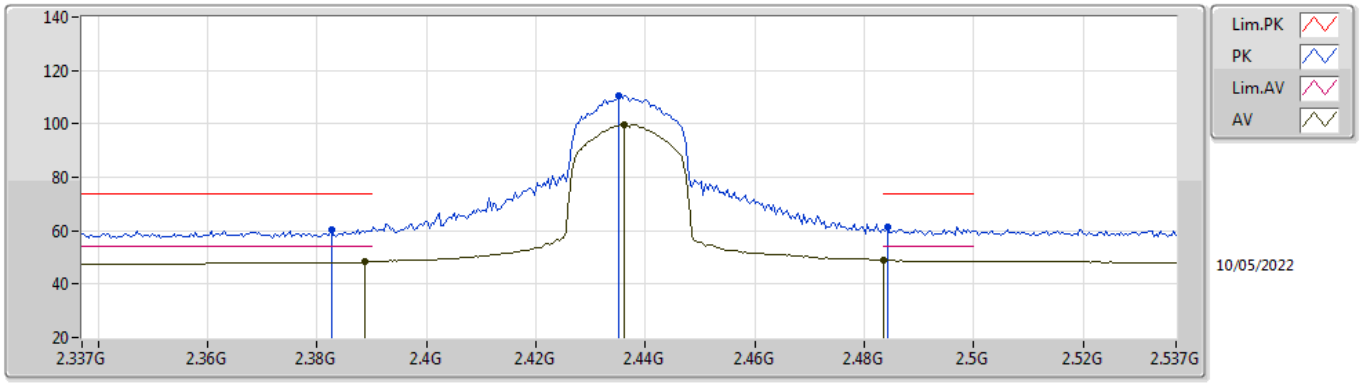
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3858G	46.88	54.00	-7.12	31.74	3	Vertical	147	2.44	-	15.14	27.37	4.37	-
AV	2.4362G	89.17	Inf	-Inf	31.97	3	Vertical	147	2.44	-	57.20	27.54	4.43	-
AV	2.4962G	47.93	54.00	-6.07	32.40	3	Vertical	147	2.44	-	15.53	27.88	4.52	-
PK	2.3622G	59.55	74.00	-14.45	31.66	3	Vertical	147	2.44	-	27.89	27.32	4.34	-
PK	2.4366G	99.38	Inf	-Inf	31.98	3	Vertical	147	2.44	-	67.40	27.55	4.43	-
PK	2.4918G	59.77	74.00	-14.23	32.36	3	Vertical	147	2.44	-	27.41	27.85	4.51	-

802.11g_Nss1,(6Mbps)_1TX

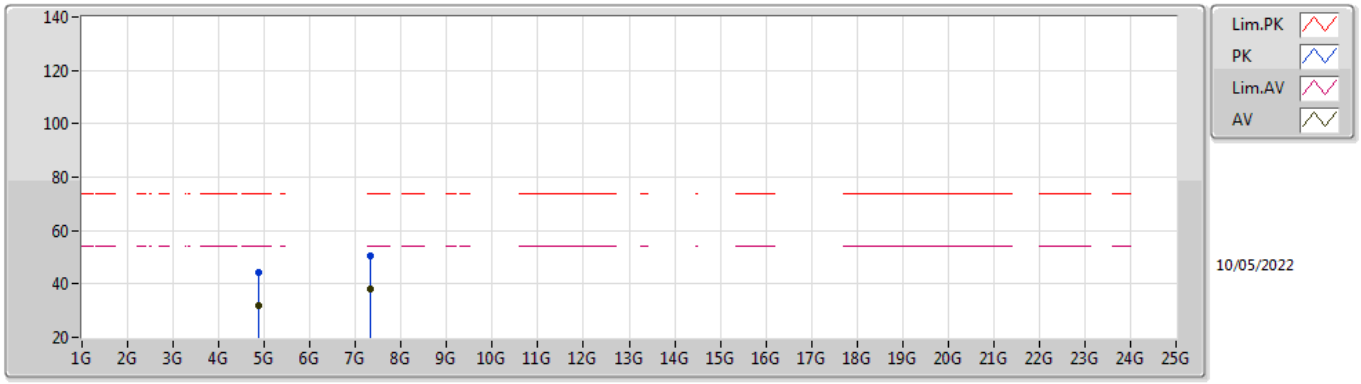
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	48.36	54.00	-5.64	31.75	3	Horizontal	348	1.34	-	16.61	27.38	4.37	-
AV	2.4362G	99.87	Inf	-Inf	31.97	3	Horizontal	348	1.34	-	67.90	27.54	4.43	-
AV	2.4835G	49.09	54.00	-4.91	32.30	3	Horizontal	348	1.34	-	16.79	27.80	4.50	-
PK	2.3826G	60.37	74.00	-13.63	31.73	3	Horizontal	348	1.34	-	28.64	27.37	4.36	-
PK	2.435G	110.61	Inf	-Inf	31.97	3	Horizontal	348	1.34	-	78.64	27.54	4.43	-
PK	2.4842G	61.60	74.00	-12.40	32.31	3	Horizontal	348	1.34	-	29.29	27.81	4.50	-

802.11g_Nss1,(6Mbps)_1TX

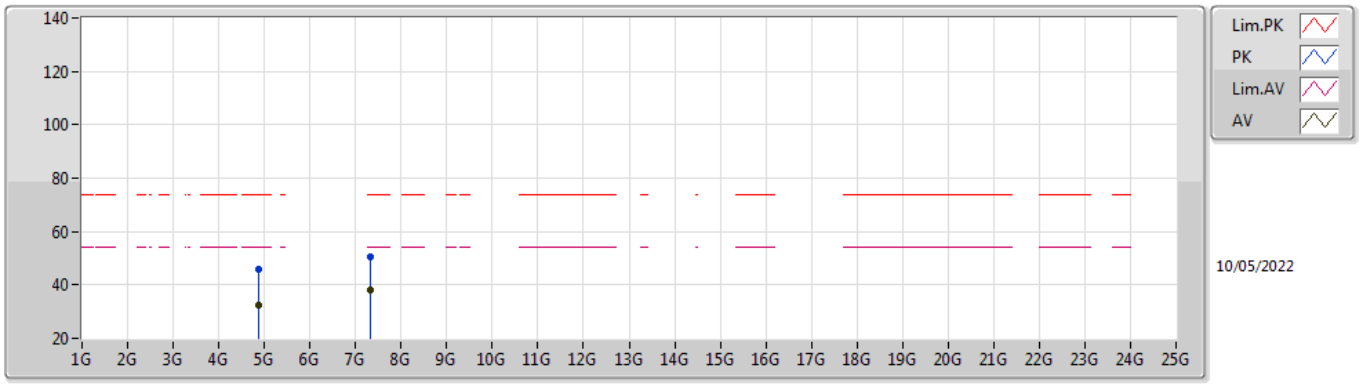
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86804G	32.10	54.00	-21.90	4.60	3	Vertical	45	1.44	-	27.50	32.74	6.30	34.44
AV	7.314G	37.92	54.00	-16.08	10.09	3	Vertical	313	2.58	-	27.83	36.76	8.14	34.81
PK	4.86672G	44.17	74.00	-29.83	4.59	3	Vertical	45	1.44	-	39.58	32.73	6.30	34.44
PK	7.31544G	50.65	74.00	-23.35	10.09	3	Vertical	313	2.58	-	40.56	36.76	8.14	34.81

802.11g_Nss1,(6Mbps)_1TX

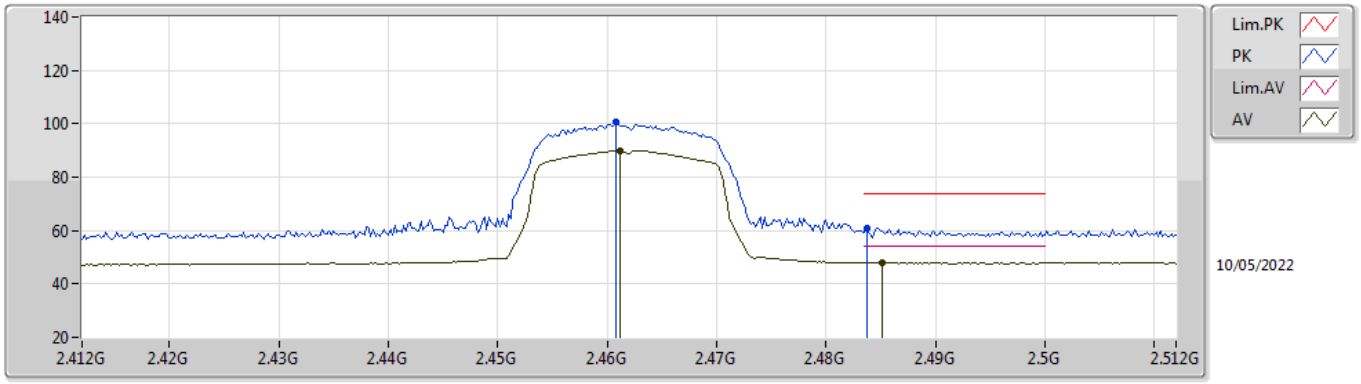
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87368G	32.57	54.00	-21.43	4.61	3	Horizontal	215	1.01	-	27.96	32.75	6.30	34.44
AV	7.31388G	37.92	54.00	-16.08	10.09	3	Horizontal	211	2.16	-	27.83	36.76	8.14	34.81
PK	4.87372G	45.77	74.00	-28.23	4.61	3	Horizontal	215	1.01	-	41.16	32.75	6.30	34.44
PK	7.3106G	50.42	74.00	-23.58	10.07	3	Horizontal	211	2.16	-	40.35	36.74	8.14	34.81

802.11g_Nss1,(6Mbps)_1TX

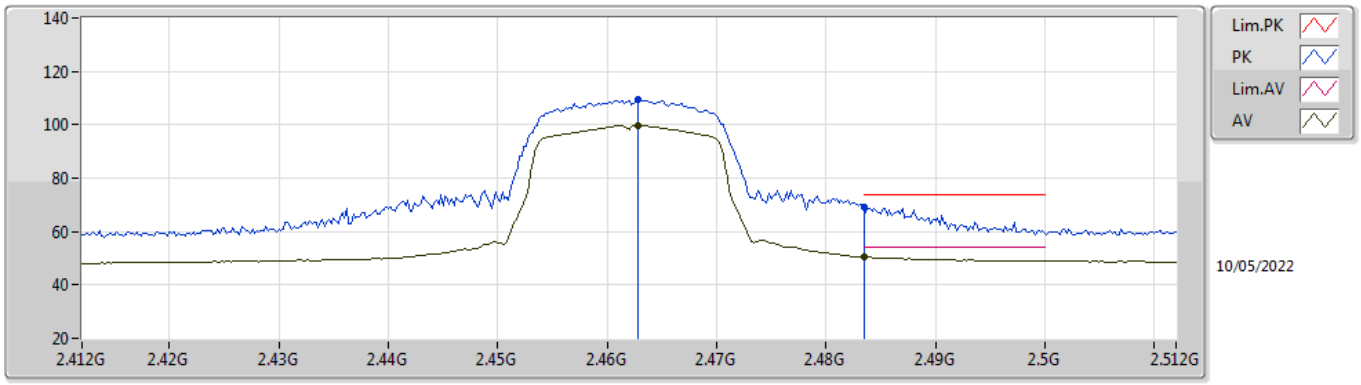
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	90.07	Inf	-Inf	32.14	3	Vertical	174	2.28	-	57.93	27.67	4.47	-
AV	2.4852G	48.13	54.00	-5.87	32.31	3	Vertical	174	2.28	-	15.82	27.81	4.50	-
PK	2.4608G	100.51	Inf	-Inf	32.13	3	Vertical	174	2.28	-	68.38	27.66	4.47	-
PK	2.4838G	60.98	74.00	-13.02	32.30	3	Vertical	174	2.28	-	28.68	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

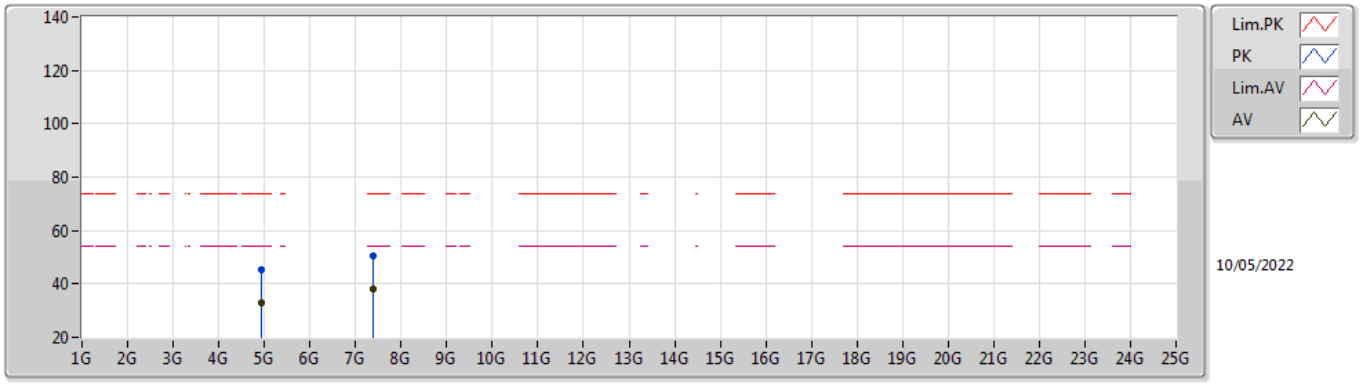
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4628G	99.73	Inf	-Inf	32.15	3	Horizontal	349	1.08	-	67.58	27.68	4.47	-
AV	2.4835G	50.36	54.00	-3.64	32.30	3	Horizontal	349	1.08	-	18.06	27.80	4.50	-
PK	2.4628G	109.57	Inf	-Inf	32.15	3	Horizontal	349	1.08	-	77.42	27.68	4.47	-
PK	2.4835G	69.23	74.00	-4.77	32.30	3	Horizontal	349	1.08	-	36.93	27.80	4.50	-

802.11g_Nss1,(6Mbps)_1TX

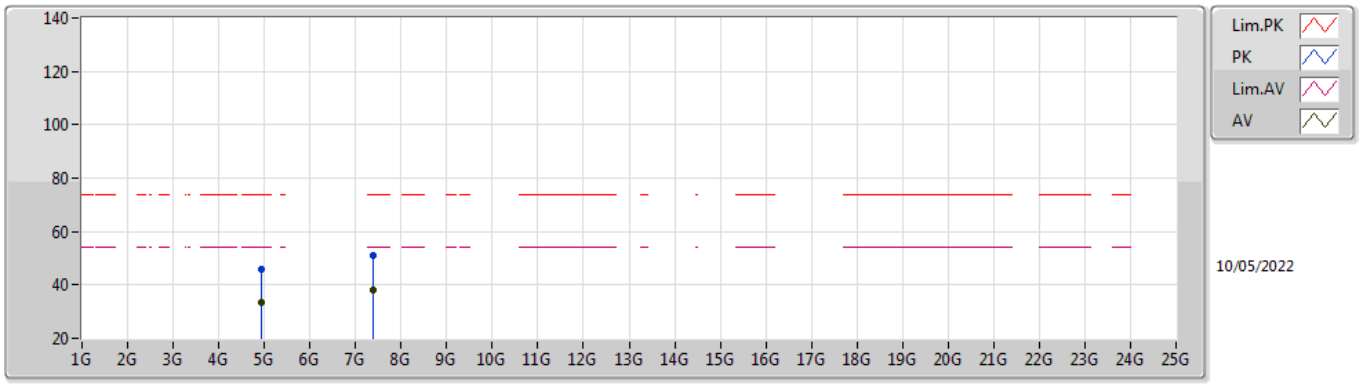
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92372G	32.79	54.00	-21.21	4.83	3	Vertical	354	2.60	-	27.96	32.94	6.33	34.44
AV	7.3766G	37.90	54.00	-16.10	10.03	3	Vertical	89	2.47	-	27.87	36.74	8.12	34.83
PK	4.92448G	45.52	74.00	-28.48	4.84	3	Vertical	354	2.60	-	40.68	32.95	6.33	34.44
PK	7.3832G	50.53	74.00	-23.47	9.99	3	Vertical	89	2.47	-	40.54	36.70	8.12	34.83

802.11g_Nss1,(6Mbps)_1TX

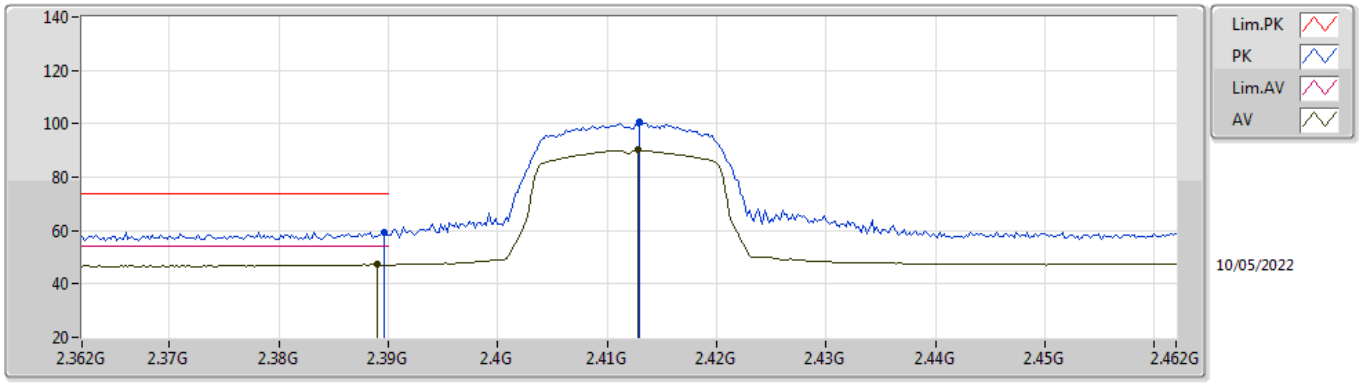
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92404G	33.32	54.00	-20.68	4.83	3	Horizontal	213	1.75	-	28.49	32.94	6.33	34.44
AV	7.37824G	37.97	54.00	-16.03	10.02	3	Horizontal	325	2.40	-	27.95	36.73	8.12	34.83
PK	4.92404G	45.69	74.00	-28.31	4.83	3	Horizontal	213	1.75	-	40.86	32.94	6.33	34.44
PK	7.389G	50.93	74.00	-23.07	9.95	3	Horizontal	325	2.40	-	40.98	36.67	8.11	34.83

802.11n HT20_Nss1,(MCS0)_1TX

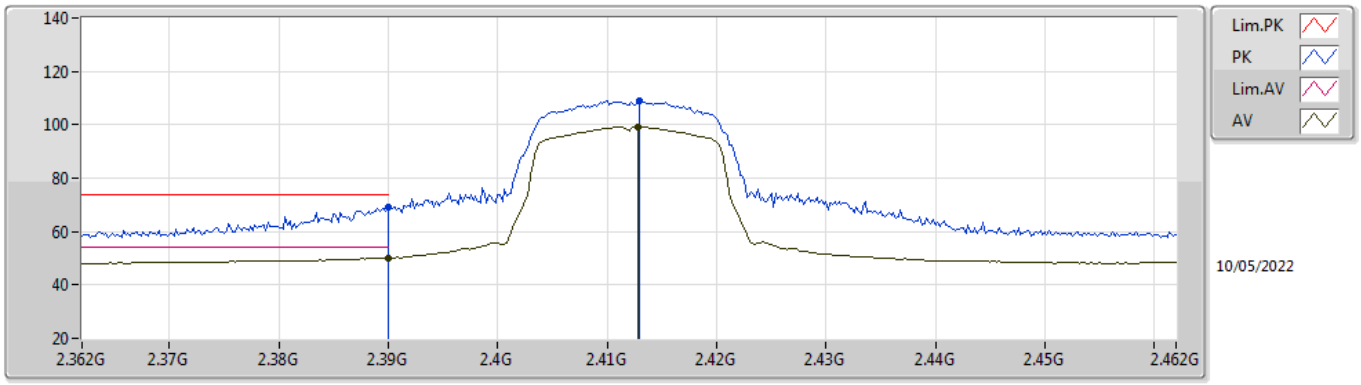
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	47.17	54.00	-6.83	31.75	3	Vertical	85	2.91	-	15.42	27.38	4.37	-
AV	2.4128G	90.13	Inf	-Inf	31.85	3	Vertical	85	2.91	-	58.28	27.45	4.40	-
PK	2.3896G	59.49	74.00	-14.51	31.75	3	Vertical	85	2.91	-	27.74	27.38	4.37	-
PK	2.413G	100.59	Inf	-Inf	31.85	3	Vertical	85	2.91	-	68.74	27.45	4.40	-

802.11n HT20_Nss1,(MCS0)_1TX

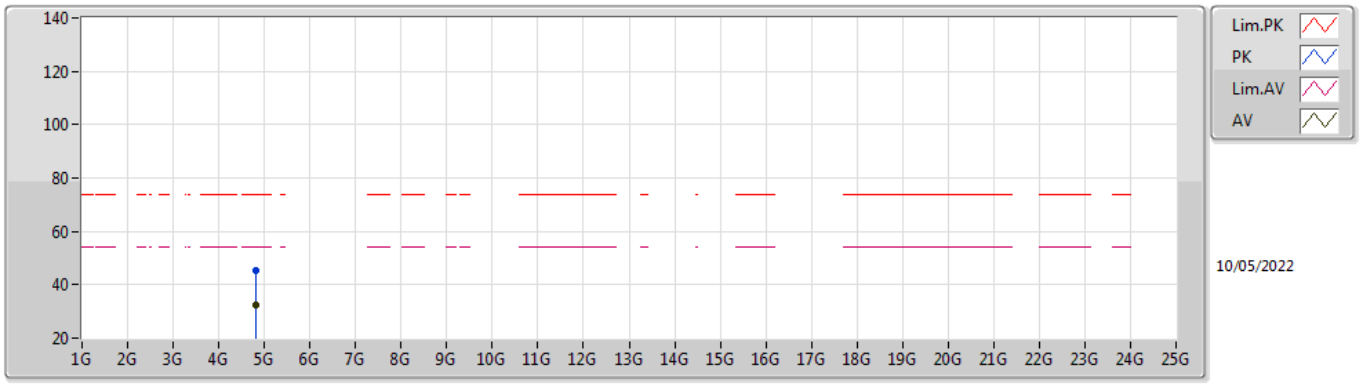
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.99	54.00	-4.01	31.75	3	Horizontal	0	1.38	-	18.24	27.38	4.37	-
AV	2.4128G	99.35	Inf	-Inf	31.85	3	Horizontal	0	1.38	-	67.50	27.45	4.40	-
PK	2.39G	69.18	74.00	-4.82	31.75	3	Horizontal	0	1.38	-	37.43	27.38	4.37	-
PK	2.413G	109.20	Inf	-Inf	31.85	3	Horizontal	0	1.38	-	77.35	27.45	4.40	-

802.11n HT20_Nss1,(MCS0)_1TX

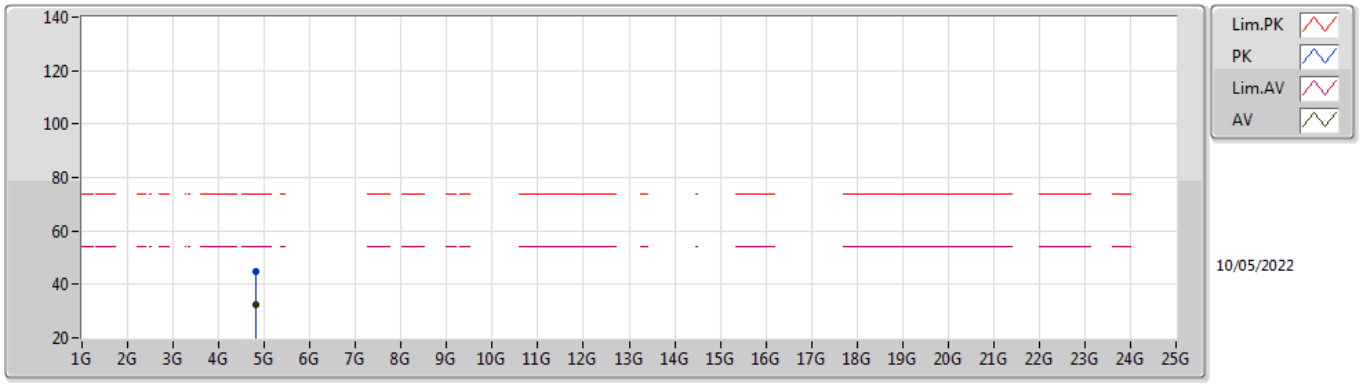
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82396G	32.38	54.00	-21.62	4.42	3	Vertical	262	2.93	-	27.96	32.60	6.27	34.45
PK	4.82436G	45.34	74.00	-28.66	4.42	3	Vertical	262	2.93	-	40.92	32.60	6.27	34.45

802.11n HT20_Nss1,(MCS0)_1TX

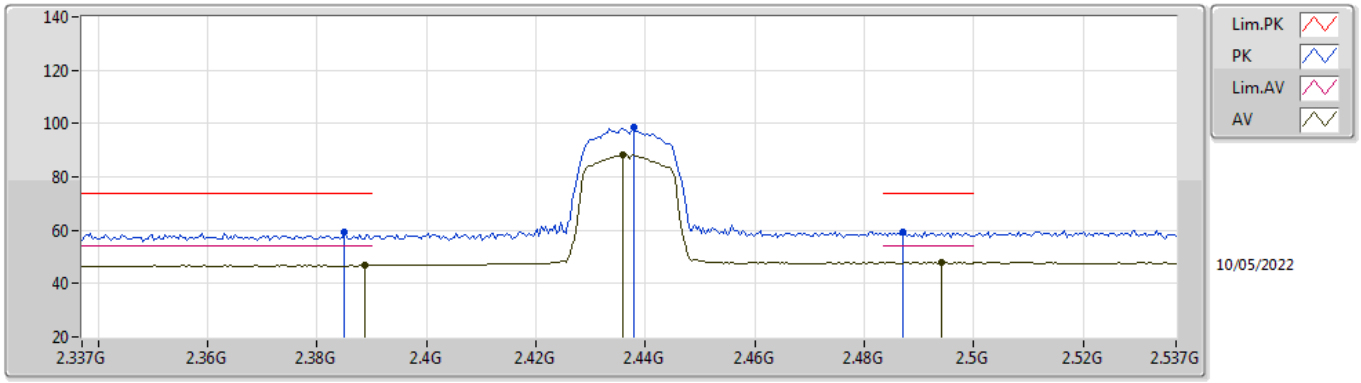
2412MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82384G	32.38	54.00	-21.62	4.42	3	Horizontal	226	2.30	-	27.96	32.60	6.27	34.45
PK	4.8194G	44.98	74.00	-29.02	4.40	3	Horizontal	226	2.30	-	40.58	32.58	6.27	34.45

802.11n HT20_Nss1,(MCS0)_1TX

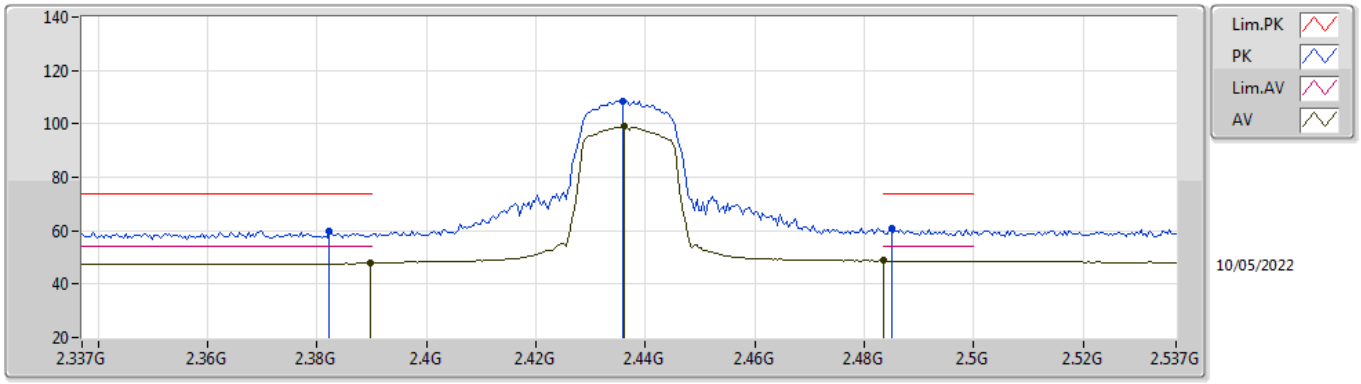
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	46.91	54.00	-7.09	31.75	3	Vertical	147	2.45	-	15.16	27.38	4.37	-
AV	2.4358G	88.34	Inf	-Inf	31.97	3	Vertical	147	2.45	-	56.37	27.54	4.43	-
AV	2.4942G	47.93	54.00	-6.07	32.39	3	Vertical	147	2.45	-	15.54	27.87	4.52	-
PK	2.385G	59.56	74.00	-14.44	31.73	3	Vertical	147	2.45	-	27.83	27.37	4.36	-
PK	2.4378G	98.70	Inf	-Inf	31.98	3	Vertical	147	2.45	-	66.72	27.55	4.43	-
PK	2.487G	59.14	74.00	-14.86	32.33	3	Vertical	147	2.45	-	26.81	27.82	4.51	-

802.11n HT20_Nss1,(MCS0)_1TX

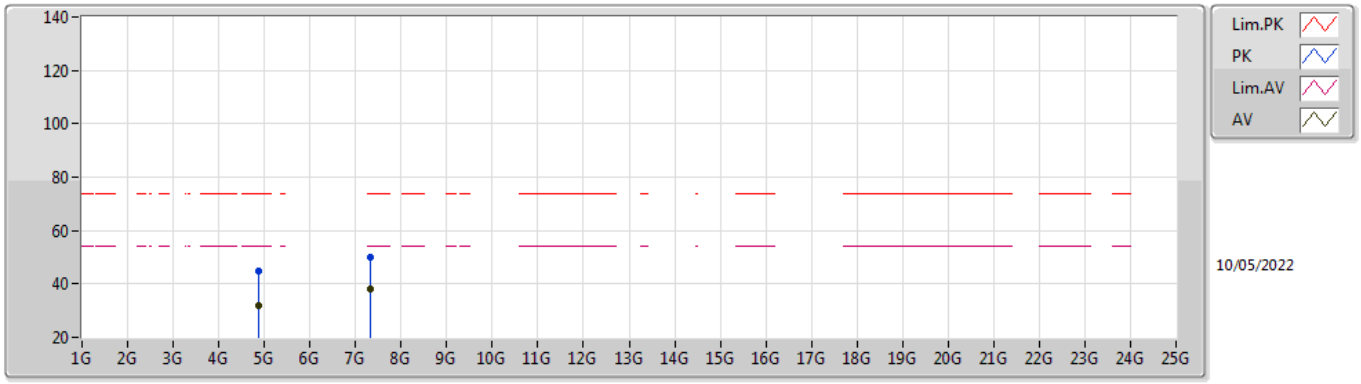
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.91	54.00	-6.09	31.75	3	Horizontal	0	1.31	-	16.16	27.38	4.37	-
AV	2.4362G	98.98	Inf	-Inf	31.97	3	Horizontal	0	1.31	-	67.01	27.54	4.43	-
AV	2.4835G	48.86	54.00	-5.14	32.30	3	Horizontal	0	1.31	-	16.56	27.80	4.50	-
PK	2.3822G	59.67	74.00	-14.33	31.72	3	Horizontal	0	1.31	-	27.95	27.36	4.36	-
PK	2.4358G	108.64	Inf	-Inf	31.97	3	Horizontal	0	1.31	-	76.67	27.54	4.43	-
PK	2.485G	60.99	74.00	-13.01	32.31	3	Horizontal	0	1.31	-	28.68	27.81	4.50	-

802.11n HT20_Nss1,(MCS0)_1TX

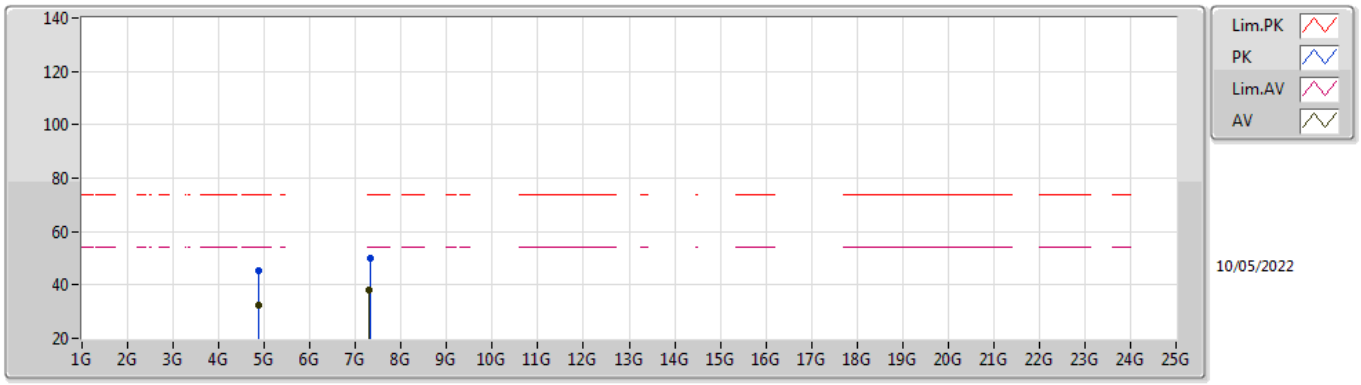
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86652G	31.99	54.00	-22.01	4.59	3	Vertical	185	2.27	-	27.40	32.73	6.30	34.44
AV	7.3168G	37.94	54.00	-16.06	10.10	3	Vertical	128	1.35	-	27.84	36.77	8.14	34.81
PK	4.87036G	44.68	74.00	-29.32	4.60	3	Vertical	185	2.27	-	40.08	32.74	6.30	34.44
PK	7.31592G	50.10	74.00	-23.90	10.09	3	Vertical	128	1.35	-	40.01	36.76	8.14	34.81

802.11n HT20_Nss1,(MCS0)_1TX

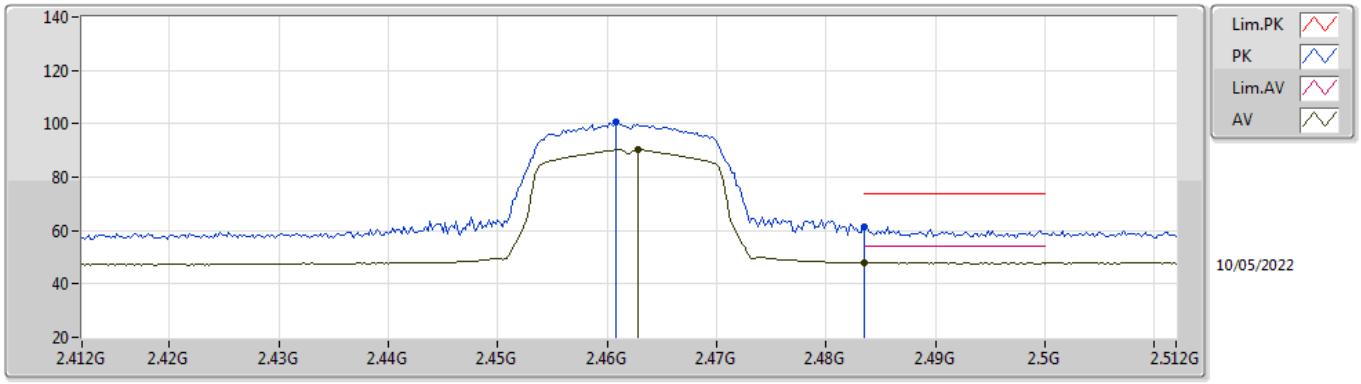
2437MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87376G	32.66	54.00	-21.34	4.61	3	Horizontal	216	1.05	-	28.05	32.75	6.30	34.44
AV	7.30712G	37.96	54.00	-16.04	10.06	3	Horizontal	275	1.73	-	27.90	36.73	8.14	34.81
PK	4.87484G	45.10	74.00	-28.90	4.61	3	Horizontal	216	1.05	-	40.49	32.75	6.30	34.44
PK	7.31284G	49.93	74.00	-24.07	10.08	3	Horizontal	275	1.73	-	39.85	36.75	8.14	34.81

802.11n HT20_Nss1,(MCS0)_1TX

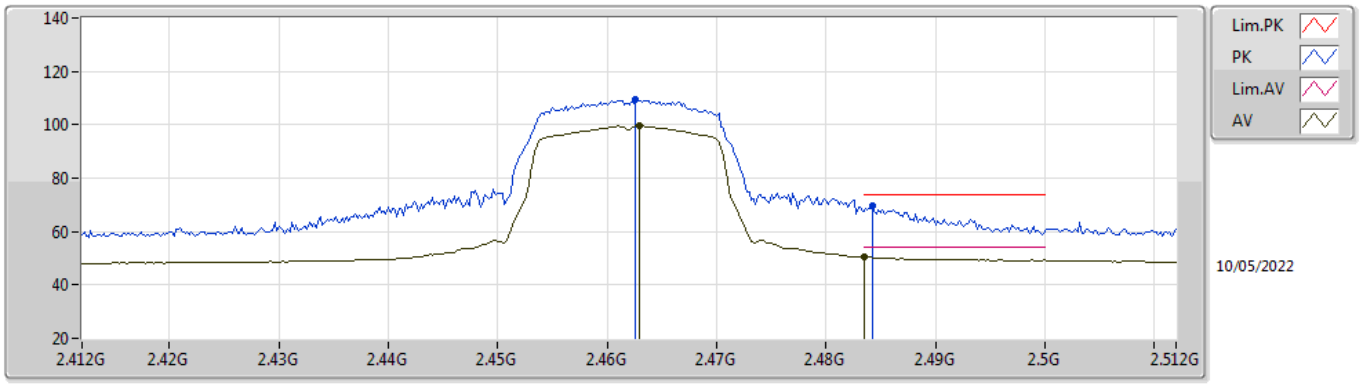
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4628G	90.16	Inf	-Inf	32.15	3	Vertical	173	2.28	-	58.01	27.68	4.47	-
AV	2.4835G	48.12	54.00	-5.88	32.30	3	Vertical	173	2.28	-	15.82	27.80	4.50	-
PK	2.4608G	100.63	Inf	-Inf	32.13	3	Vertical	173	2.28	-	68.50	27.66	4.47	-
PK	2.4835G	61.54	74.00	-12.46	32.30	3	Vertical	173	2.28	-	29.24	27.80	4.50	-

802.11n HT20_Nss1,(MCS0)_1TX

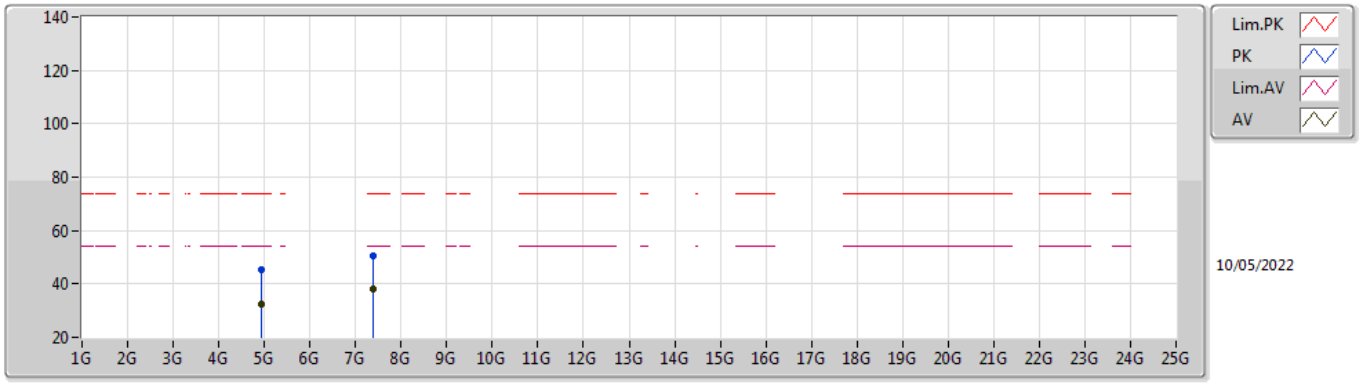
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	99.58	Inf	-Inf	32.15	3	Horizontal	353	1.49	-	67.43	27.68	4.47	-
AV	2.4835G	50.36	54.00	-3.64	32.30	3	Horizontal	353	1.49	-	18.06	27.80	4.50	-
PK	2.4626G	109.23	Inf	-Inf	32.15	3	Horizontal	353	1.49	-	77.08	27.68	4.47	-
PK	2.4842G	69.60	74.00	-4.40	32.31	3	Horizontal	353	1.49	-	37.29	27.81	4.50	-

802.11n HT20_Nss1,(MCS0)_1TX

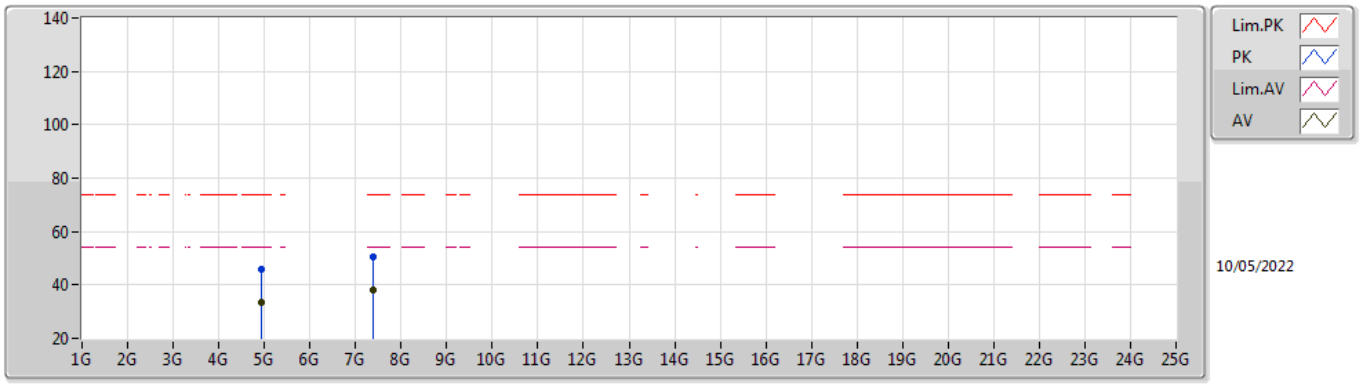
2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92344G	32.42	54.00	-21.58	4.83	3	Vertical	76	1.73	-	27.59	32.94	6.33	34.44
AV	7.37744G	37.90	54.00	-16.10	10.03	3	Vertical	207	1.51	-	27.87	36.74	8.12	34.83
PK	4.91992G	45.42	74.00	-28.58	4.81	3	Vertical	76	1.73	-	40.61	32.92	6.33	34.44
PK	7.37692G	50.42	74.00	-23.58	10.03	3	Vertical	207	1.51	-	40.39	36.74	8.12	34.83

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92408G	33.65	54.00	-20.35	4.83	3	Horizontal	222	1.09	-	28.82	32.94	6.33	34.44
AV	7.37692G	37.90	54.00	-16.10	10.03	3	Horizontal	269	1.41	-	27.87	36.74	8.12	34.83
PK	4.92456G	46.06	74.00	-27.94	4.84	3	Horizontal	222	1.09	-	41.22	32.95	6.33	34.44
PK	7.38008G	50.47	74.00	-23.53	10.01	3	Horizontal	269	1.41	-	40.46	36.72	8.12	34.83

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.36G	2.5235G	AV	2.48442G	3.60	-54.05	-54.05	-50.45	-41.20	-9.25
802.11g_Nss1,(6Mbps)_1TX	Pass	2.36G	2.5235G	AV	2.48442G	3.60	-48.73	-48.73	-45.13	-41.20	-3.93
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.36G	2.5235G	AV	2.48377G	3.60	-48.49	-48.49	-44.89	-41.20	-3.69

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

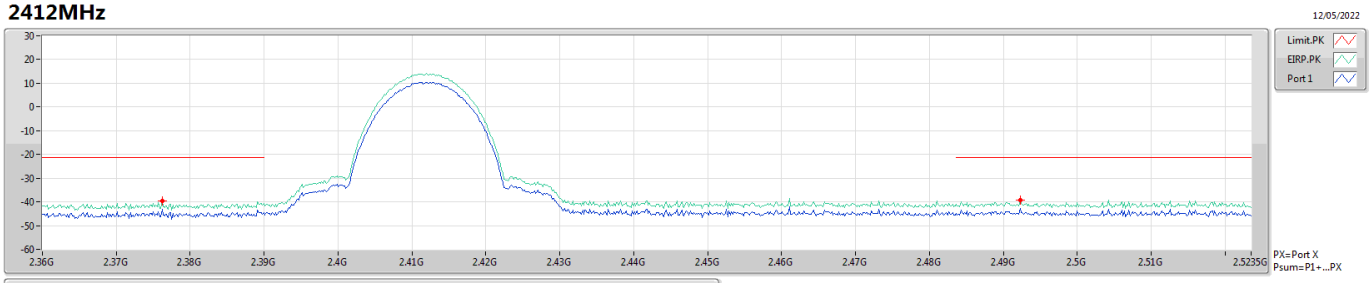
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.5235G	AV	2.38992G	3.60	-54.76	-54.76	-51.16	-41.20	-9.96
2412MHz	Pass	2.36G	2.5235G	AV	2.48835G	3.60	-54.28	-54.28	-50.68	-41.20	-9.48
2412MHz	Pass	2.36G	2.5235G	AV	2.49276G	3.60	-54.28	-54.28	-50.68	-41.20	-9.48
2412MHz	Pass	2.36G	2.5235G	PK	2.37619G	3.60	-43.08	-43.08	-39.48	-21.20	-18.28
2412MHz	Pass	2.36G	2.5235G	PK	2.49227G	3.60	-42.80	-42.80	-39.20	-21.20	-18.00
2437MHz	Pass	2.36G	2.5235G	AV	2.38976G	3.60	-55.44	-55.44	-51.84	-41.20	-10.64
2437MHz	Pass	2.36G	2.5235G	AV	2.51402G	3.60	-54.30	-54.30	-50.70	-41.20	-9.50
2437MHz	Pass	2.36G	2.5235G	PK	2.36213G	3.60	-43.27	-43.27	-39.67	-21.20	-18.47
2437MHz	Pass	2.36G	2.5235G	PK	2.51614G	3.60	-43.21	-43.21	-39.61	-21.20	-18.41
2462MHz	Pass	2.36G	2.5235G	AV	2.38469G	3.60	-55.05	-55.05	-51.45	-41.20	-10.25
2462MHz	Pass	2.36G	2.5235G	AV	2.48442G	3.60	-54.05	-54.05	-50.45	-41.20	-9.25
2462MHz	Pass	2.36G	2.5235G	AV	2.49178G	3.60	-54.05	-54.05	-50.45	-41.20	-9.25
2462MHz	Pass	2.36G	2.5235G	PK	2.38551G	3.60	-44.03	-44.03	-40.43	-21.20	-19.23
2462MHz	Pass	2.36G	2.5235G	PK	2.51565G	3.60	-42.14	-42.14	-38.54	-21.20	-17.34
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.5235G	AV	2.38992G	3.60	-49.54	-49.54	-45.94	-41.20	-4.74
2412MHz	Pass	2.36G	2.5235G	AV	2.48753G	3.60	-53.00	-53.00	-49.40	-41.20	-8.20
2412MHz	Pass	2.36G	2.5235G	PK	2.38959G	3.60	-29.14	-29.14	-25.54	-21.20	-4.34
2412MHz	Pass	2.36G	2.5235G	PK	2.49342G	3.60	-40.95	-40.95	-37.35	-21.20	-16.15
2437MHz	Pass	2.36G	2.5235G	AV	2.38829G	3.60	-53.02	-53.02	-49.42	-41.20	-8.22
2437MHz	Pass	2.36G	2.5235G	AV	2.48442G	3.60	-52.62	-52.62	-49.02	-41.20	-7.82
2437MHz	Pass	2.36G	2.5235G	PK	2.38273G	3.60	-41.67	-41.67	-38.07	-21.20	-16.87
2437MHz	Pass	2.36G	2.5235G	PK	2.4854G	3.60	-41.20	-41.20	-37.60	-21.20	-16.40
2462MHz	Pass	2.36G	2.5235G	AV	2.38518G	3.60	-53.05	-53.05	-49.45	-41.20	-8.25
2462MHz	Pass	2.36G	2.5235G	AV	2.48442G	3.60	-48.73	-48.73	-45.13	-41.20	-3.93
2462MHz	Pass	2.36G	2.5235G	PK	2.38649G	3.60	-41.26	-41.26	-37.66	-21.20	-16.46
2462MHz	Pass	2.36G	2.5235G	PK	2.48361G	3.60	-29.28	-29.28	-25.68	-21.20	-4.48
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.36G	2.5235G	AV	2.3891G	3.60	-49.31	-49.31	-45.71	-41.20	-4.51
2412MHz	Pass	2.36G	2.5235G	AV	2.49391G	3.60	-53.20	-53.20	-49.60	-41.20	-8.40
2412MHz	Pass	2.36G	2.5235G	PK	2.38927G	3.60	-31.04	-31.04	-27.44	-21.20	-6.24
2412MHz	Pass	2.36G	2.5235G	PK	2.49047G	3.60	-42.10	-42.10	-38.50	-21.20	-17.30
2437MHz	Pass	2.36G	2.5235G	AV	2.38894G	3.60	-53.01	-53.01	-49.41	-41.20	-8.21
2437MHz	Pass	2.36G	2.5235G	AV	2.48377G	3.60	-52.81	-52.81	-49.21	-41.20	-8.01
2437MHz	Pass	2.36G	2.5235G	AV	2.48769G	3.60	-52.81	-52.81	-49.21	-41.20	-8.01
2437MHz	Pass	2.36G	2.5235G	PK	2.36474G	3.60	-41.66	-41.66	-38.06	-21.20	-16.86
2437MHz	Pass	2.36G	2.5235G	PK	2.48688G	3.60	-40.90	-40.90	-37.30	-21.20	-16.10
2462MHz	Pass	2.36G	2.5235G	AV	2.38845G	3.60	-52.84	-52.84	-49.24	-41.20	-8.04
2462MHz	Pass	2.36G	2.5235G	AV	2.48377G	3.60	-48.49	-48.49	-44.89	-41.20	-3.69
2462MHz	Pass	2.36G	2.5235G	PK	2.38371G	3.60	-41.02	-41.02	-37.42	-21.20	-16.22
2462MHz	Pass	2.36G	2.5235G	PK	2.48655G	3.60	-29.18	-29.18	-25.58	-21.20	-4.38

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [PK]**

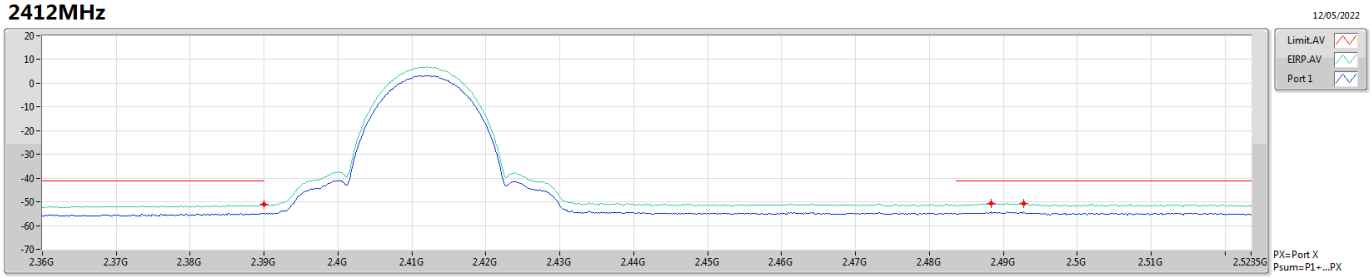
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.37619G	-39.48	-21.20	-18.28	3.60	0.00	-43.08	-43.08
2.36G	2.5235G	1M	PK	2.49227G	-39.20	-21.20	-18.00	3.60	0.00	-42.80	-42.80

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [AV]**

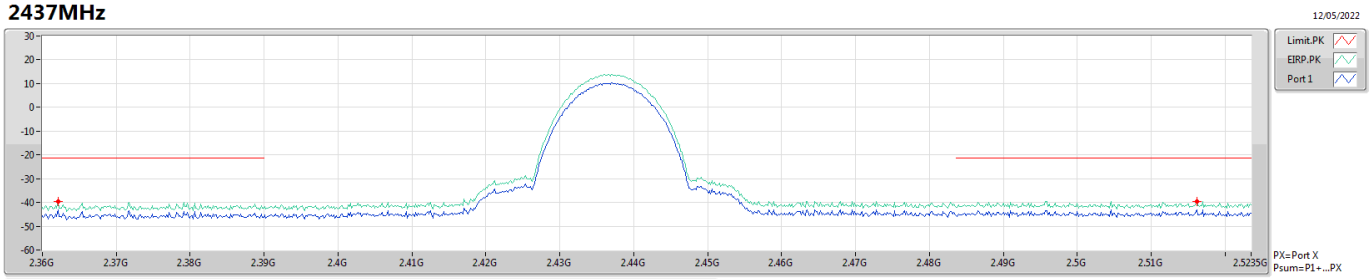
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38992G	-51.16	-41.20	-9.96	3.60	0.00	-54.76	-54.76
2.36G	2.5235G	1M	AV	2.48835G	-50.68	-41.20	-9.48	3.60	0.00	-54.28	-54.28
2.36G	2.5235G	1M	AV	2.49276G	-50.68	-41.20	-9.48	3.60	0.00	-54.28	-54.28

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [PK]**

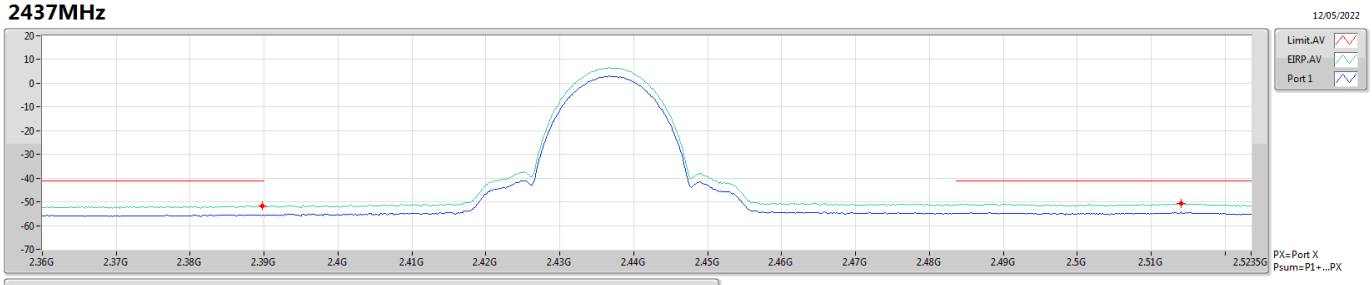
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.36213G	-39.67	-21.20	-18.47	3.60	0.00	-43.27	-43.27
2.36G	2.5235G	1M	PK	2.51614G	-39.61	-21.20	-18.41	3.60	0.00	-43.21	-43.21

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [AV]**

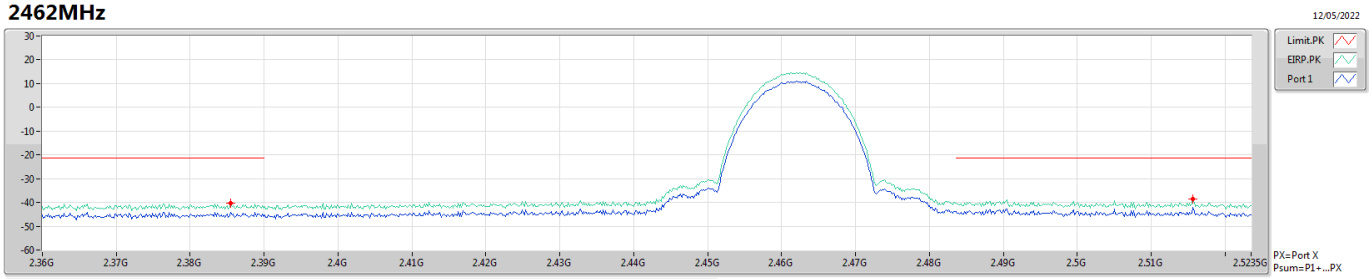
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38976G	-51.84	-41.20	-10.64	3.60	0.00	-55.44	-55.44
2.36G	2.5235G	1M	AV	2.51402G	-50.70	-41.20	-9.50	3.60	0.00	-54.30	-54.30

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [PK]**

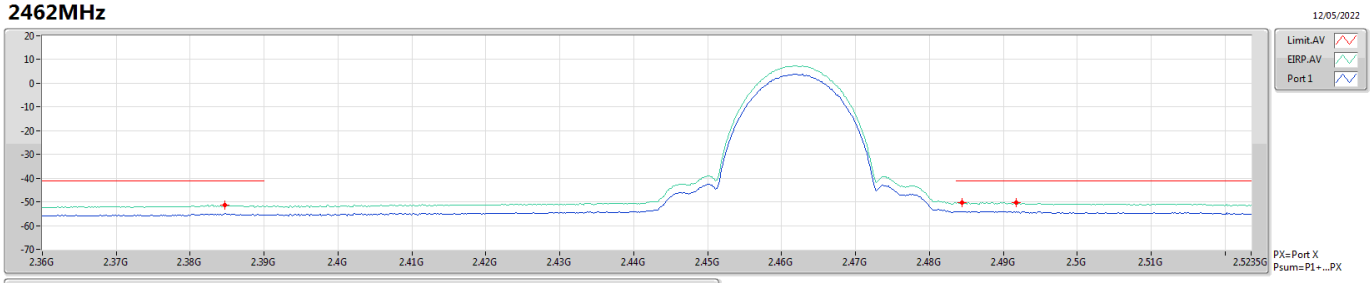
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38551G	-40.43	-21.20	-19.23	3.60	0.00	-44.03	-44.03
2.36G	2.5235G	1M	PK	2.51565G	-38.54	-21.20	-17.34	3.60	0.00	-42.14	-42.14

802.11b_Nss1,(1Mbps)_1TX **CSE Bandedge [AV]**

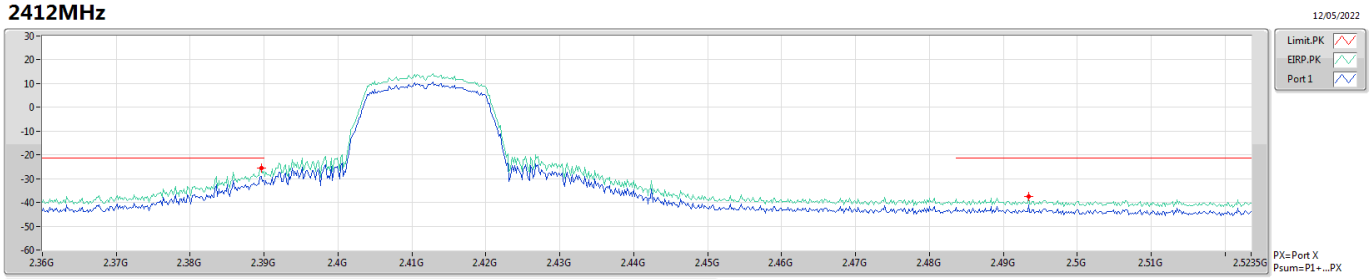
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38469G	-51.45	-41.20	-10.25	3.60	0.00	-55.05	-55.05
2.36G	2.5235G	1M	AV	2.48442G	-50.45	-41.20	-9.25	3.60	0.00	-54.05	-54.05
2.36G	2.5235G	1M	AV	2.49178G	-50.45	-41.20	-9.25	3.60	0.00	-54.05	-54.05

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [PK]**

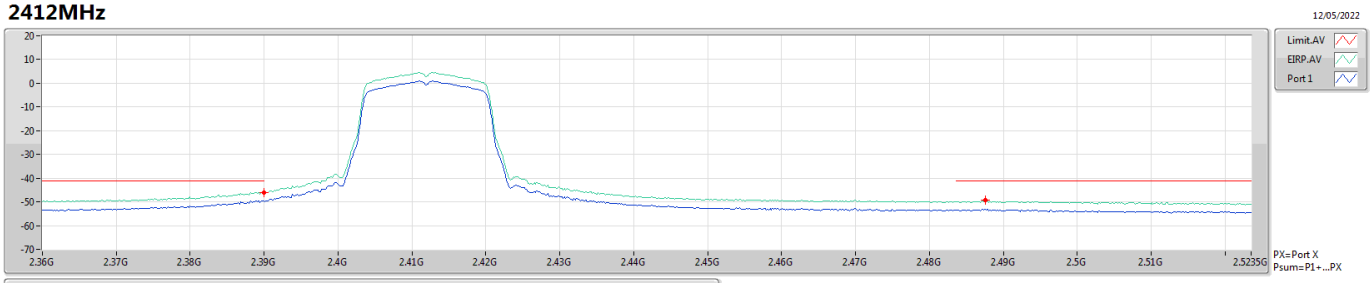
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38959G	-25.54	-21.20	-4.34	3.60	0.00	-29.14	-29.14
2.36G	2.5235G	1M	PK	2.49342G	-37.35	-21.20	-16.15	3.60	0.00	-40.95	-40.95

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [AV]**

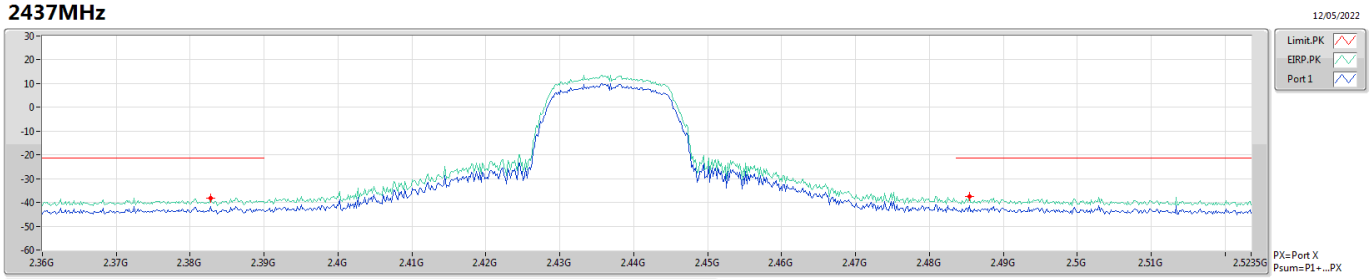
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38992G	-45.94	-41.20	-4.74	3.60	0.00	-49.54	-49.54
2.36G	2.5235G	1M	AV	2.48753G	-49.40	-41.20	-8.20	3.60	0.00	-53.00	-53.00

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [PK]**

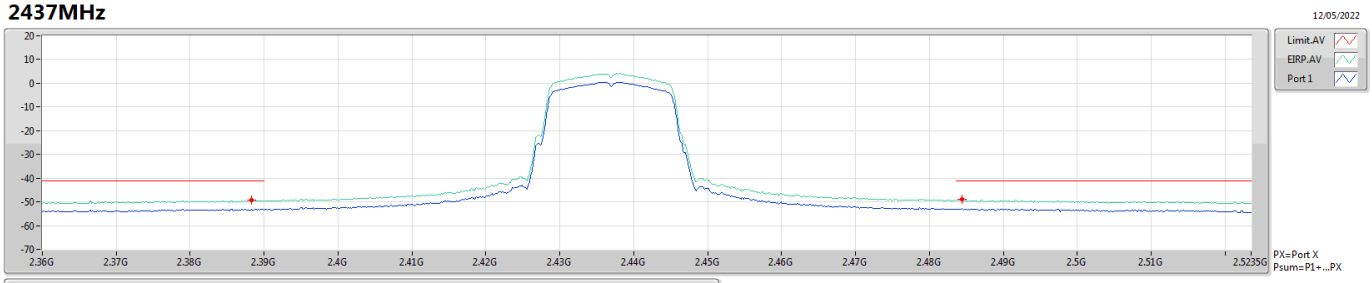
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38273G	-38.07	-21.20	-16.87	3.60	0.00	-41.67	-41.67
2.36G	2.5235G	1M	PK	2.4854G	-37.60	-21.20	-16.40	3.60	0.00	-41.20	-41.20

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [AV]**

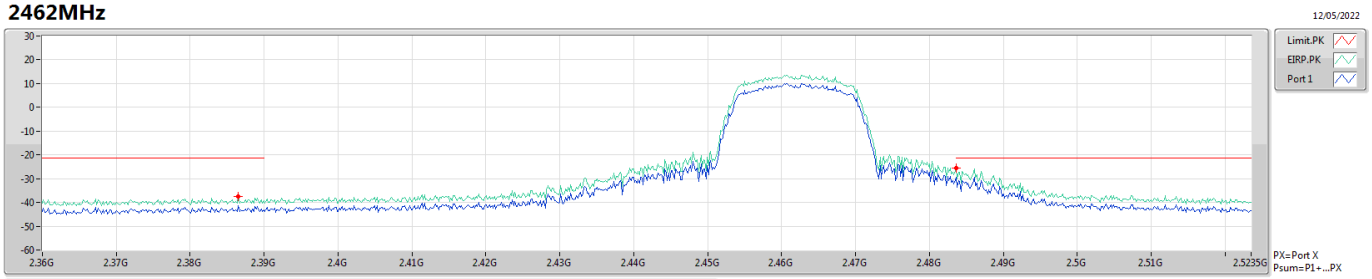
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38829G	-49.42	-41.20	-8.22	3.60	0.00	-53.02	-53.02
2.36G	2.5235G	1M	AV	2.48442G	-49.02	-41.20	-7.82	3.60	0.00	-52.62	-52.62

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [PK]**

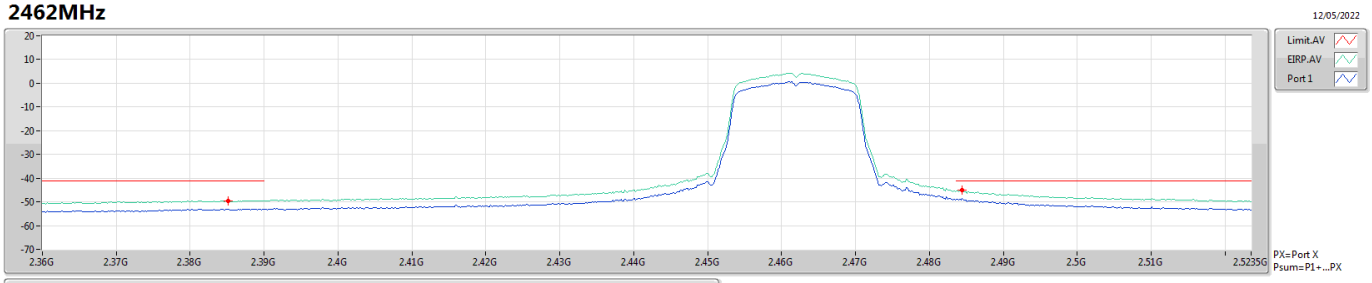
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38649G	-37.66	-21.20	-16.46	3.60	0.00	-41.26	-41.26
2.36G	2.5235G	1M	PK	2.48361G	-25.68	-21.20	-4.48	3.60	0.00	-29.28	-29.28

802.11g_Nss1,(6Mbps)_1TX **CSE Bandedge [AV]**

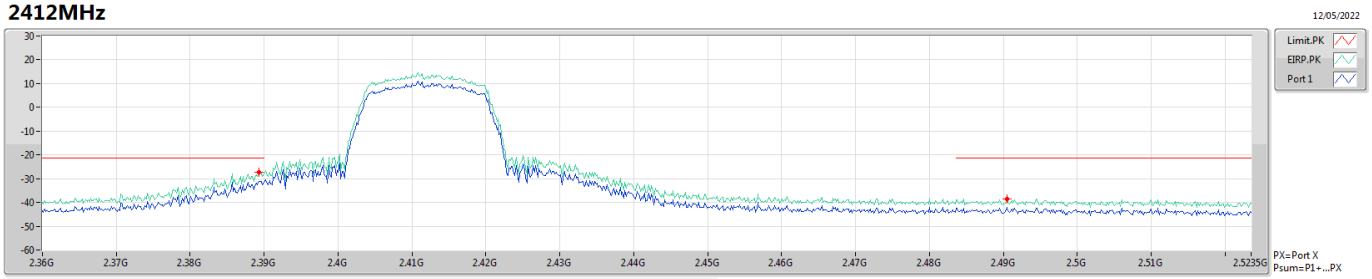
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38518G	-49.45	-41.20	-8.25	3.60	0.00	-53.05	-53.05
2.36G	2.5235G	1M	AV	2.48442G	-45.13	-41.20	-3.93	3.60	0.00	-48.73	-48.73

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [PK]**

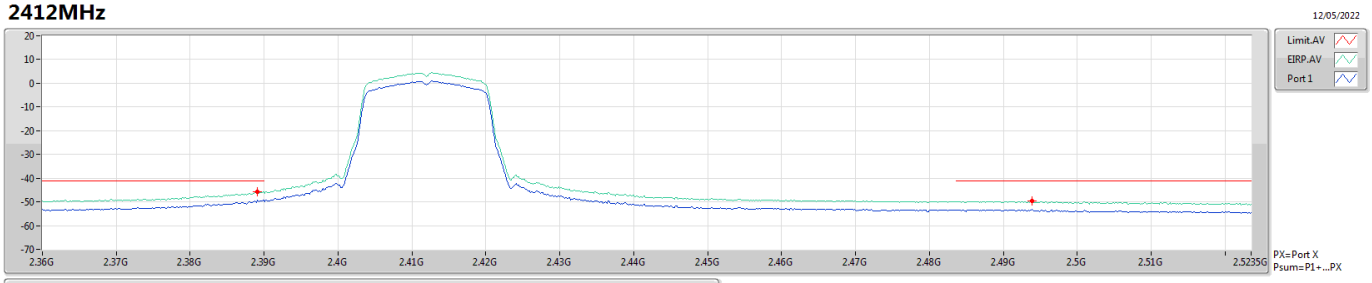
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38927G	-27.44	-21.20	-6.24	3.60	0.00	-31.04	-31.04
2.36G	2.5235G	1M	PK	2.49047G	-38.50	-21.20	-17.30	3.60	0.00	-42.10	-42.10

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [AV]**

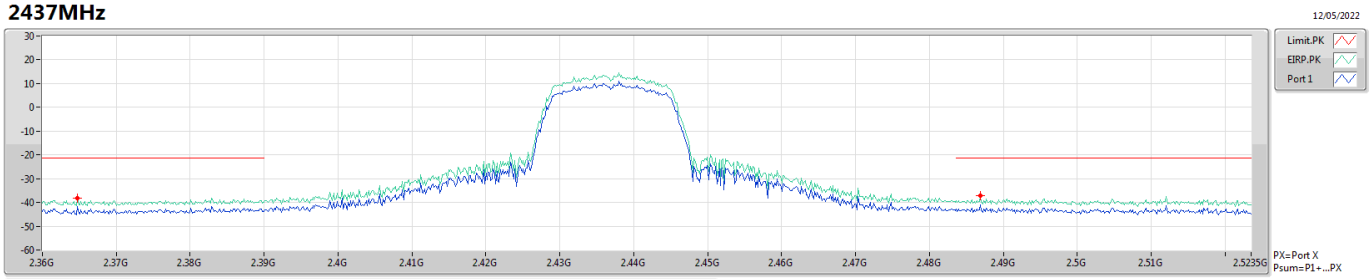
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.3891G	-45.71	-41.20	-4.51	3.60	0.00	-49.31	-49.31
2.36G	2.5235G	1M	AV	2.49391G	-49.60	-41.20	-8.40	3.60	0.00	-53.20	-53.20

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [PK]**

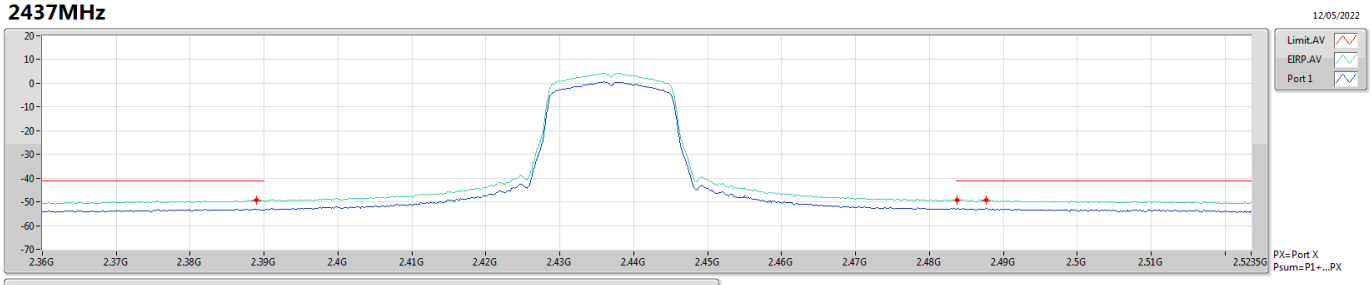
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.36474G	-38.06	-21.20	-16.86	3.60	0.00	-41.66	-41.66
2.36G	2.5235G	1M	PK	2.48688G	-37.30	-21.20	-16.10	3.60	0.00	-40.90	-40.90

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [AV]**

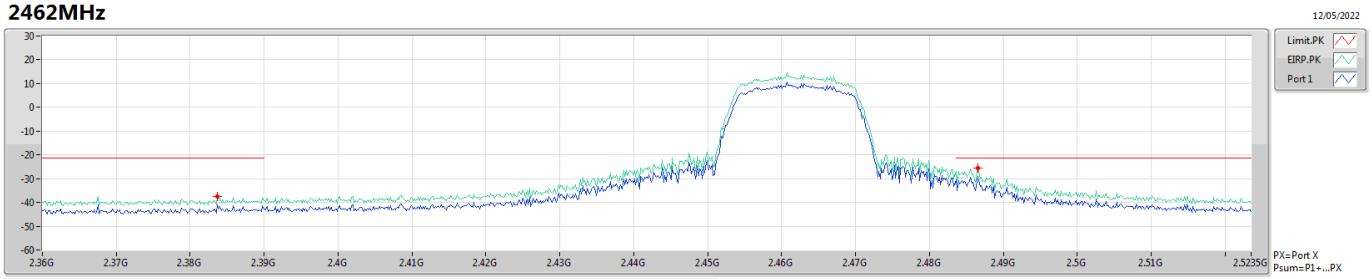
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38894G	-49.41	-41.20	-8.21	3.60	0.00	-53.01	-53.01
2.36G	2.5235G	1M	AV	2.48377G	-49.21	-41.20	-8.01	3.60	0.00	-52.81	-52.81
2.36G	2.5235G	1M	AV	2.48769G	-49.21	-41.20	-8.01	3.60	0.00	-52.81	-52.81

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [PK]**

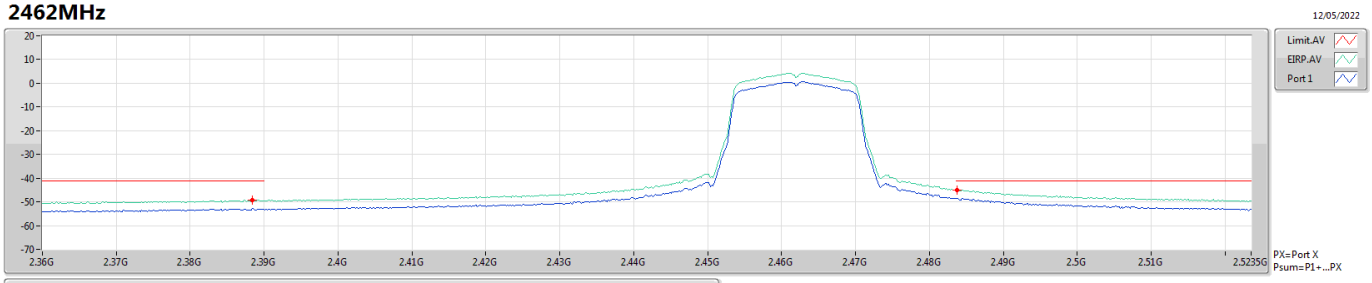
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	PK	2.38371G	-37.42	-21.20	-16.22	3.60	0.00	-41.02	-41.02
2.36G	2.5235G	1M	PK	2.48655G	-25.58	-21.20	-4.38	3.60	0.00	-29.18	-29.18

802.11n HT20_Nss1,(MCS0)_1TX **CSE Bandedge [AV]**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
2.36G	2.5235G	1M	AV	2.38845G	-49.24	-41.20	-8.04	3.60	0.00	-52.84	-52.84
2.36G	2.5235G	1M	AV	2.48377G	-44.89	-41.20	-3.69	3.60	0.00	-48.49	-48.49

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	1G	25G	AV	2.515G	3.60	-54.48	-54.48	-50.88	-41.20	-9.68
802.11g_Nss1,(6Mbps)_1TX	Pass	1G	25G	AV	2.371G	3.60	-49.17	-49.17	-45.57	-41.20	-4.37
802.11n HT20_Nss1,(MCS0)_1TX	Pass	1G	25G	AV	2.374G	3.60	-48.73	-48.73	-45.13	-41.20	-3.93

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

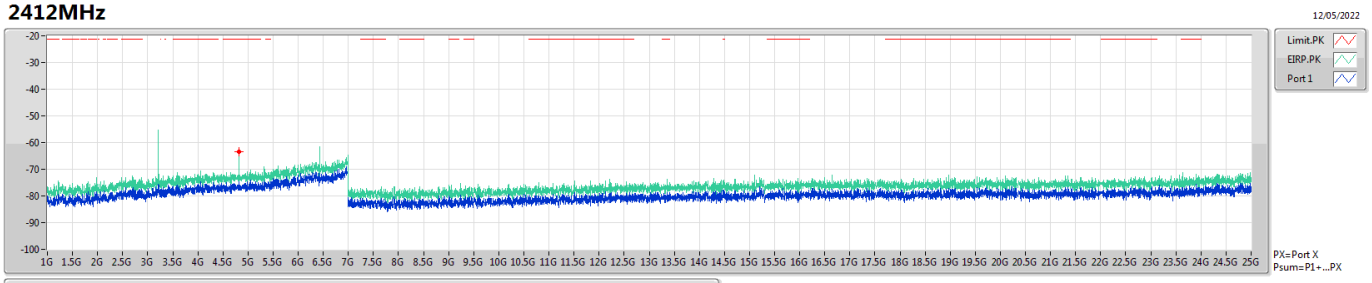
Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	25G	AV	4.822G	3.60	-68.37	-68.37	-64.77	-41.20	-23.57
2412MHz	Pass	1G	25G	PK	4.822G	3.60	-66.94	-66.94	-63.34	-21.20	-42.14
2437MHz	Pass	1G	25G	AV	2.515G	3.60	-54.48	-54.48	-50.88	-41.20	-9.68
2437MHz	Pass	1G	25G	AV	4.873G	3.60	-59.57	-59.57	-55.97	-41.20	-14.77
2437MHz	Pass	1G	25G	PK	2.515G	3.60	-45.90	-45.90	-42.30	-21.20	-21.10
2437MHz	Pass	1G	25G	PK	4.87G	3.60	-54.32	-54.32	-50.72	-21.20	-29.52
2462MHz	Pass	1G	25G	AV	2.539G	3.60	-61.34	-61.34	-57.74	-41.20	-16.54
2462MHz	Pass	1G	25G	AV	4.924G	3.60	-68.46	-68.46	-64.86	-41.20	-23.66
2462MHz	Pass	1G	25G	PK	2.368G	3.60	-55.38	-55.38	-51.78	-21.20	-30.58
2462MHz	Pass	1G	25G	PK	4.924G	3.60	-66.34	-66.34	-62.74	-21.20	-41.54
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	25G	AV	2.374G	3.60	-51.41	-51.41	-47.81	-41.20	-6.61
2412MHz	Pass	1G	25G	AV	4.822G	3.60	-66.39	-66.39	-62.79	-41.20	-21.59
2412MHz	Pass	1G	25G	PK	2.368G	3.60	-44.37	-44.37	-40.77	-21.20	-19.57
2412MHz	Pass	1G	25G	PK	4.825G	3.60	-58.89	-58.89	-55.29	-21.20	-34.09
2437MHz	Pass	1G	25G	AV	2.371G	3.60	-49.17	-49.17	-45.57	-41.20	-4.37
2437MHz	Pass	1G	25G	AV	4.873G	3.60	-57.86	-57.86	-54.26	-41.20	-13.06
2437MHz	Pass	1G	25G	PK	2.371G	3.60	-41.00	-41.00	-37.40	-21.20	-16.20
2437MHz	Pass	1G	25G	PK	4.873G	3.60	-49.30	-49.30	-45.70	-21.20	-24.50
2462MHz	Pass	1G	25G	AV	2.503G	3.60	-51.44	-51.44	-47.84	-41.20	-6.64
2462MHz	Pass	1G	25G	AV	4.924G	3.60	-63.81	-63.81	-60.21	-41.20	-19.01
2462MHz	Pass	1G	25G	PK	2.506G	3.60	-42.01	-42.01	-38.41	-21.20	-17.21
2462MHz	Pass	1G	25G	PK	4.927G	3.60	-57.41	-57.41	-53.81	-21.20	-32.61
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	1G	25G	AV	2.374G	3.60	-48.73	-48.73	-45.13	-41.20	-3.93
2412MHz	Pass	1G	25G	AV	4.822G	3.60	-65.46	-65.46	-61.86	-41.20	-20.66
2412MHz	Pass	1G	25G	PK	2.374G	3.60	-40.24	-40.24	-36.64	-21.20	-15.44
2412MHz	Pass	1G	25G	PK	4.822G	3.60	-57.21	-57.21	-53.61	-21.20	-32.41
2437MHz	Pass	1G	25G	AV	2.362G	3.60	-49.77	-49.77	-46.17	-41.20	-4.97
2437MHz	Pass	1G	25G	AV	4.873G	3.60	-56.32	-56.32	-52.72	-41.20	-11.52
2437MHz	Pass	1G	25G	PK	2.344G	3.60	-42.36	-42.36	-38.76	-21.20	-17.56
2437MHz	Pass	1G	25G	PK	4.873G	3.60	-49.67	-49.67	-46.07	-21.20	-24.87
2462MHz	Pass	1G	25G	AV	2.5G	3.60	-52.56	-52.56	-48.96	-41.20	-7.76
2462MHz	Pass	1G	25G	AV	4.924G	3.60	-63.85	-63.85	-60.25	-41.20	-19.05
2462MHz	Pass	1G	25G	PK	2.503G	3.60	-42.59	-42.59	-38.99	-21.20	-17.79
2462MHz	Pass	1G	25G	PK	4.924G	3.60	-58.02	-58.02	-54.42	-21.20	-33.22

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

802.11b_Nss1,(1Mbps)_1TX **CSE [PK]**

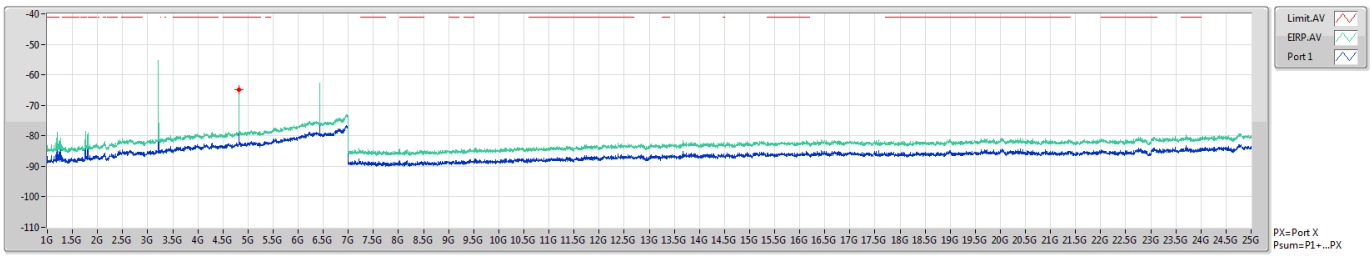
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	4.822G	-63.34	-21.20	-42.14	3.60	0.00	-66.94	-66.94

802.11b_Nss1,(1Mbps)_1TX **CSE [AV]**

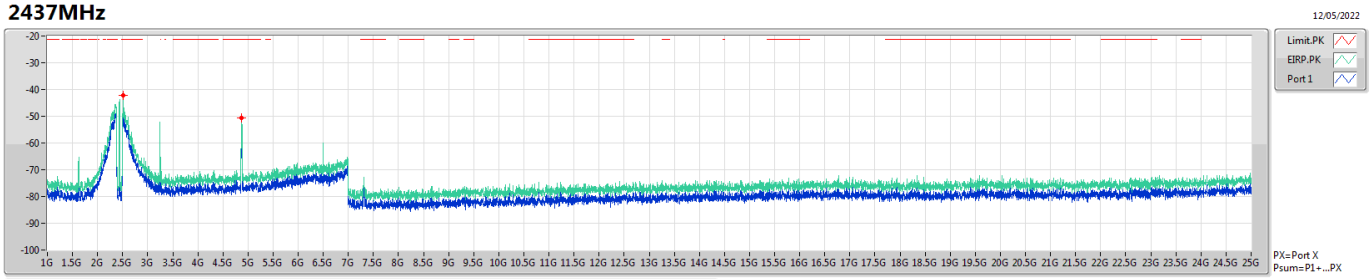
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	4.822G	-64.77	-41.20	-23.57	3.60	0.00	-68.37	-68.37

802.11b_Nss1,(1Mbps)_1TX **CSE [PK]**

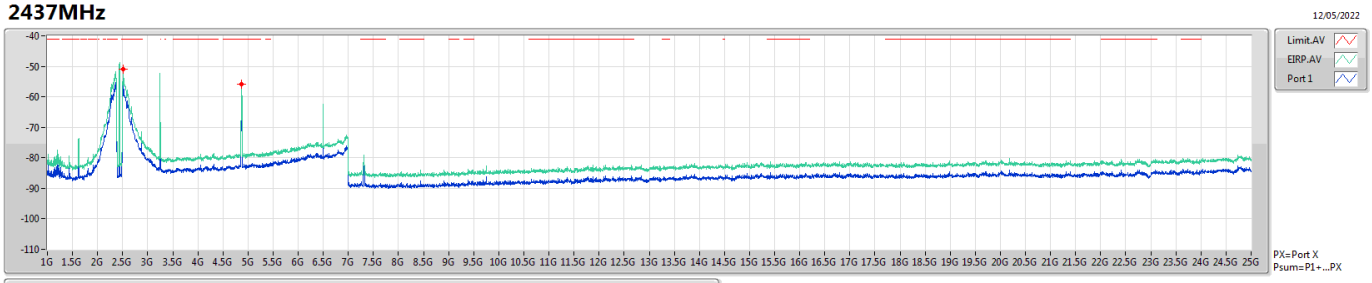
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.515G	-42.30	-21.20	-21.10	3.60	0.00	-45.90	-45.90
1G	25G	1M	PK	4.87G	-50.72	-21.20	-29.52	3.60	0.00	-54.32	-54.32

802.11b_Nss1,(1Mbps)_1TX **CSE [AV]**

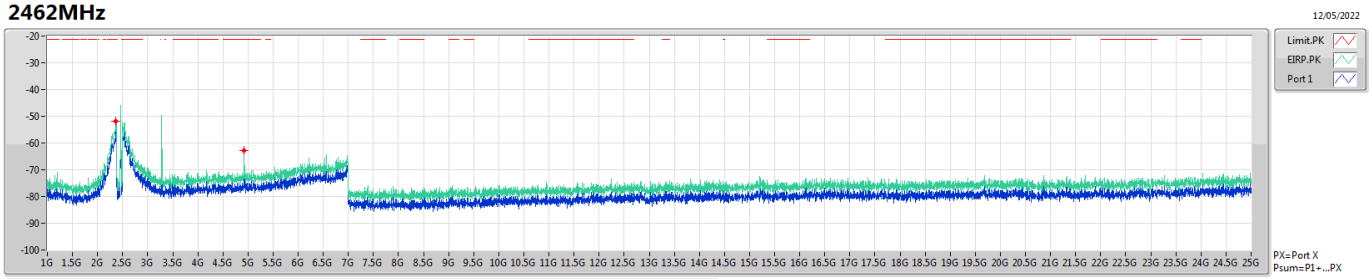
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.515G	-50.88	-41.20	-9.68	3.60	0.00	-54.48	-54.48
1G	25G	1M	AV	4.873G	-55.97	-41.20	-14.77	3.60	0.00	-59.57	-59.57

802.11b_Nss1,(1Mbps)_1TX **CSE [PK]**

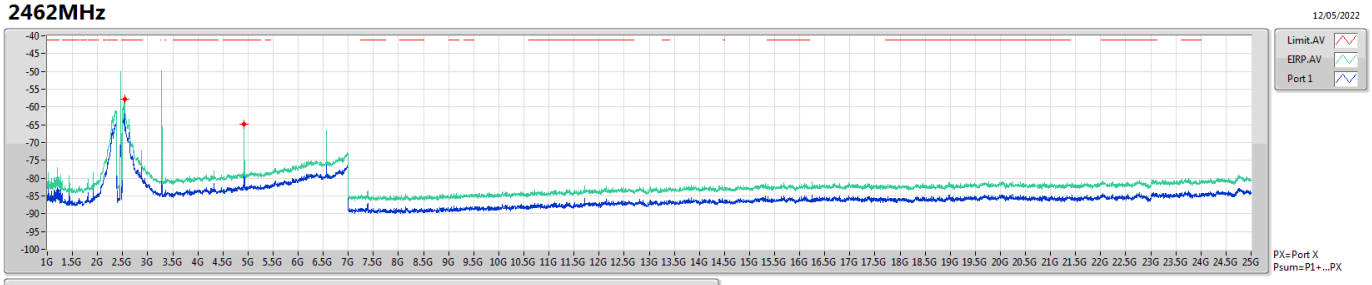
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.368G	-51.78	-21.20	-30.58	3.60	0.00	-55.38	-55.38
1G	25G	1M	PK	4.924G	-62.74	-21.20	-41.54	3.60	0.00	-66.34	-66.34

802.11b_Nss1,(1Mbps)_1TX **CSE [AV]**

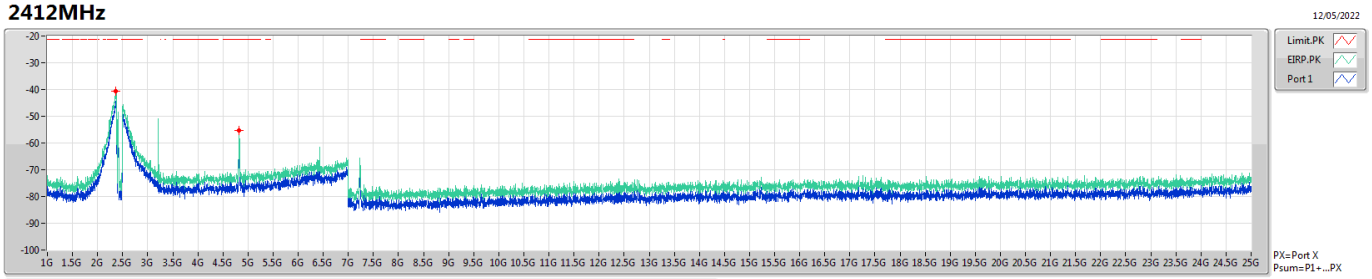
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.539G	-57.74	-41.20	-16.54	3.60	0.00	-61.34	-61.34
1G	25G	1M	AV	4.924G	-64.86	-41.20	-23.66	3.60	0.00	-68.46	-68.46

802.11g_Nss1,(6Mbps)_1TX **CSE [PK]**

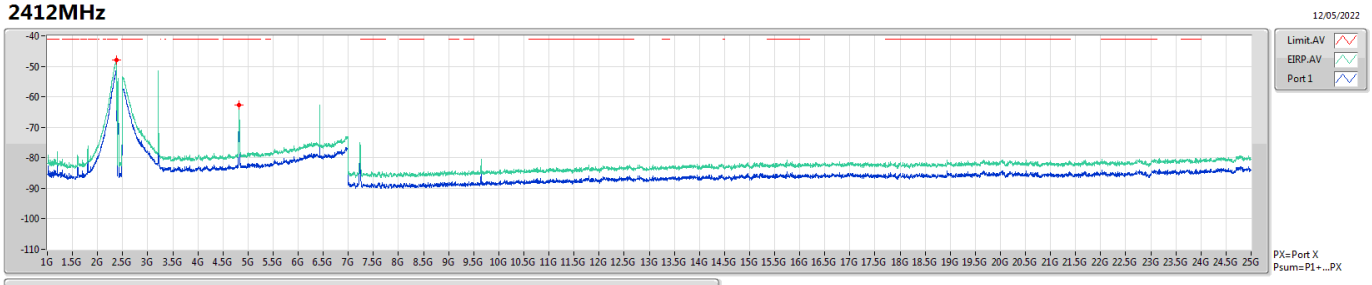
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.368G	-40.77	-21.20	-19.57	3.60	0.00	-44.37	-44.37
1G	25G	1M	PK	4.825G	-55.29	-21.20	-34.09	3.60	0.00	-58.89	-58.89

802.11g_Nss1,(6Mbps)_1TX **CSE [AV]**

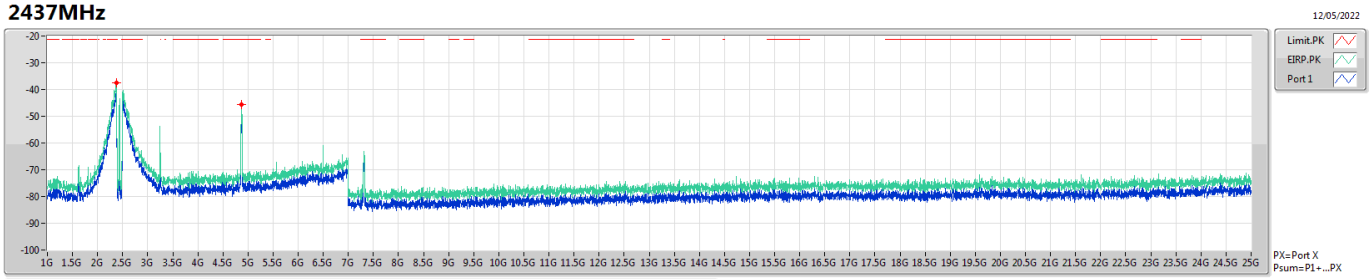
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.374G	-47.81	-41.20	-6.61	3.60	0.00	-51.41	-51.41
1G	25G	1M	AV	4.822G	-62.79	-41.20	-21.59	3.60	0.00	-66.39	-66.39

802.11g_Nss1,(6Mbps)_1TX **CSE [PK]**

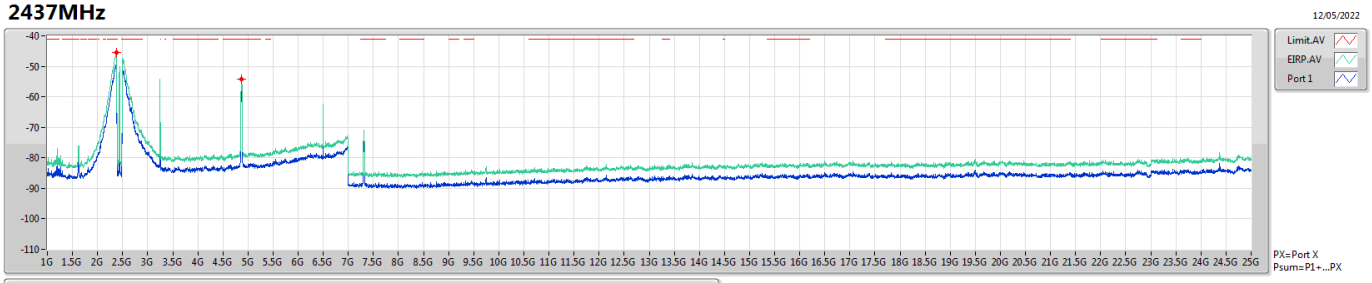
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.371G	-37.40	-21.20	-16.20	3.60	0.00	-41.00	-41.00
1G	25G	1M	PK	4.873G	-45.70	-21.20	-24.50	3.60	0.00	-49.30	-49.30

802.11g_Nss1,(6Mbps)_1TX **CSE [AV]**

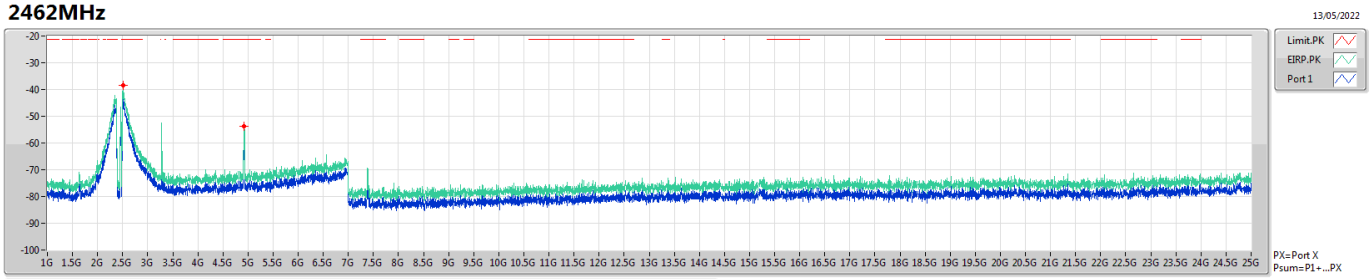
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.371G	-45.57	-41.20	-4.37	3.60	0.00	-49.17	-49.17
1G	25G	1M	AV	4.873G	-54.26	-41.20	-13.06	3.60	0.00	-57.86	-57.86

802.11g_Nss1,(6Mbps)_1TX **CSE [PK]**

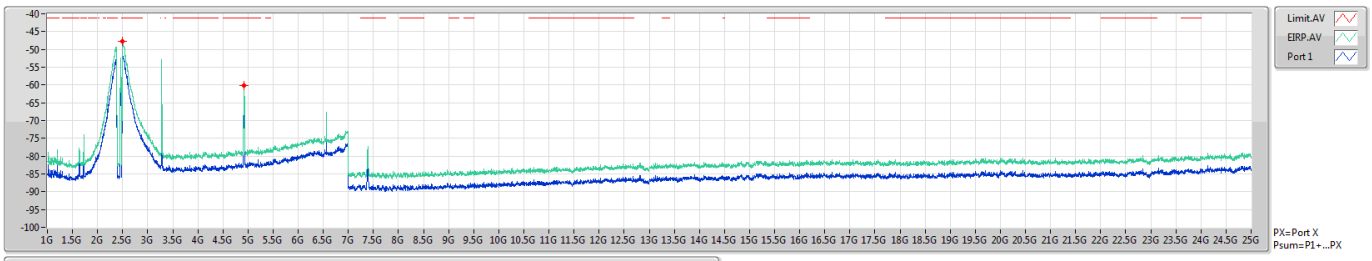
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.506G	-38.41	-21.20	-17.21	3.60	0.00	-42.01	-42.01
1G	25G	1M	PK	4.927G	-53.81	-21.20	-32.61	3.60	0.00	-57.41	-57.41

802.11g_Nss1,(6Mbps)_1TX **CSE [AV]**

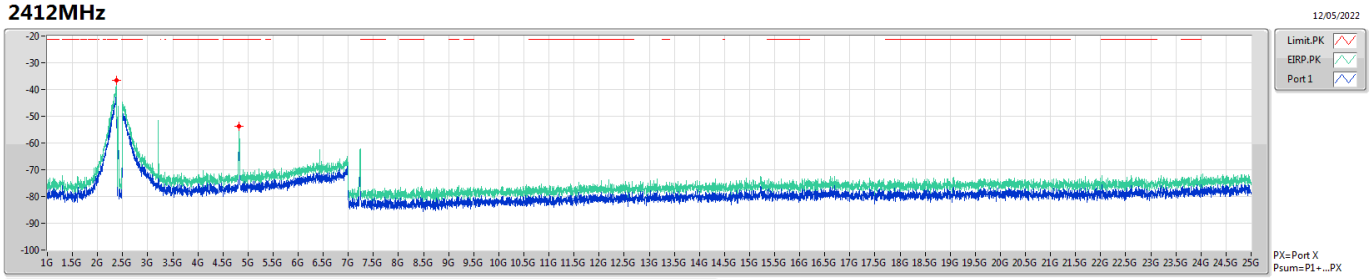
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.503G	-47.84	-41.20	-6.64	3.60	0.00	-51.44	-51.44
1G	25G	1M	AV	4.924G	-60.21	-41.20	-19.01	3.60	0.00	-63.81	-63.81

802.11n HT20_Nss1,(MCS0)_1TX **CSE [PK]**

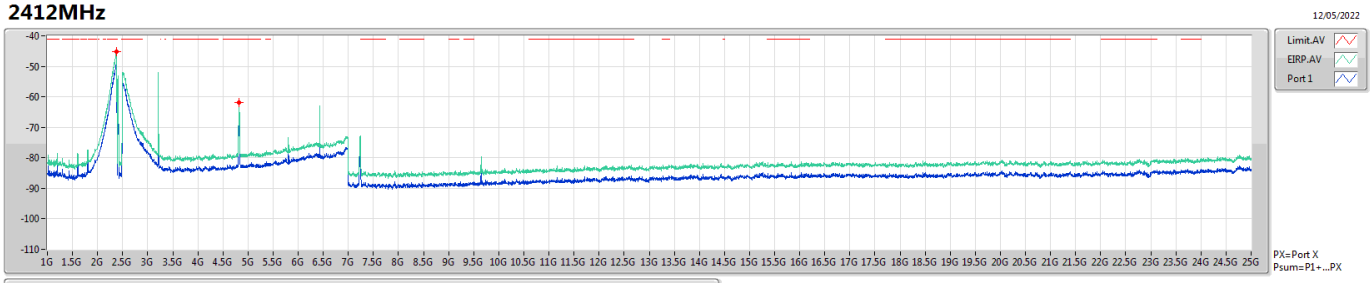
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.374G	-36.64	-21.20	-15.44	3.60	0.00	-40.24	-40.24
1G	25G	1M	PK	4.822G	-53.61	-21.20	-32.41	3.60	0.00	-57.21	-57.21

802.11n HT20_Nss1,(MCS0)_1TX **CSE [AV]**

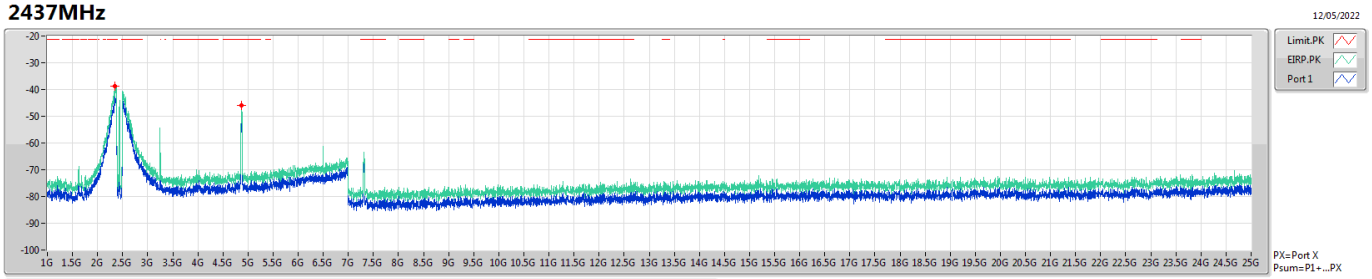
2412MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.374G	-45.13	-41.20	-3.93	3.60	0.00	-48.73	-48.73
1G	25G	1M	AV	4.822G	-61.86	-41.20	-20.66	3.60	0.00	-65.46	-65.46

802.11n HT20_Nss1,(MCS0)_1TX **CSE [PK]**

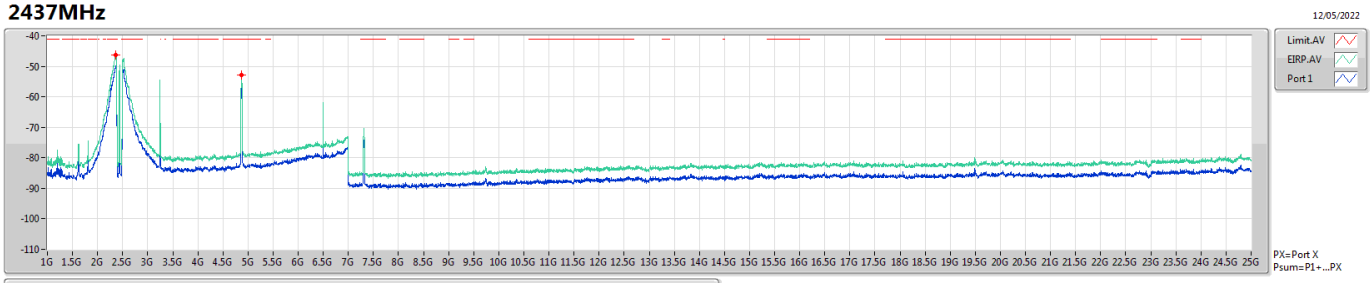
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.344G	-38.76	-21.20	-17.56	3.60	0.00	-42.36	-42.36
1G	25G	1M	PK	4.873G	-46.07	-21.20	-24.87	3.60	0.00	-49.67	-49.67

802.11n HT20_Nss1,(MCS0)_1TX **CSE [AV]**

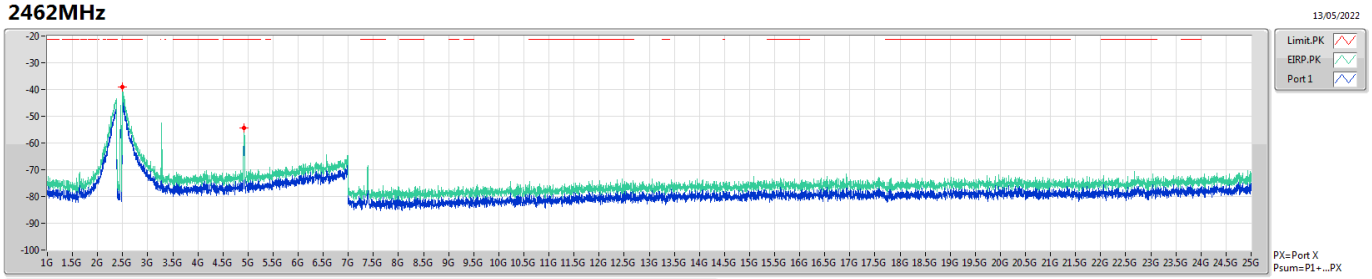
2437MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.362G	-46.17	-41.20	-4.97	3.60	0.00	-49.77	-49.77
1G	25G	1M	AV	4.873G	-52.72	-41.20	-11.52	3.60	0.00	-56.32	-56.32

802.11n HT20_Nss1,(MCS0)_1TX **CSE [PK]**

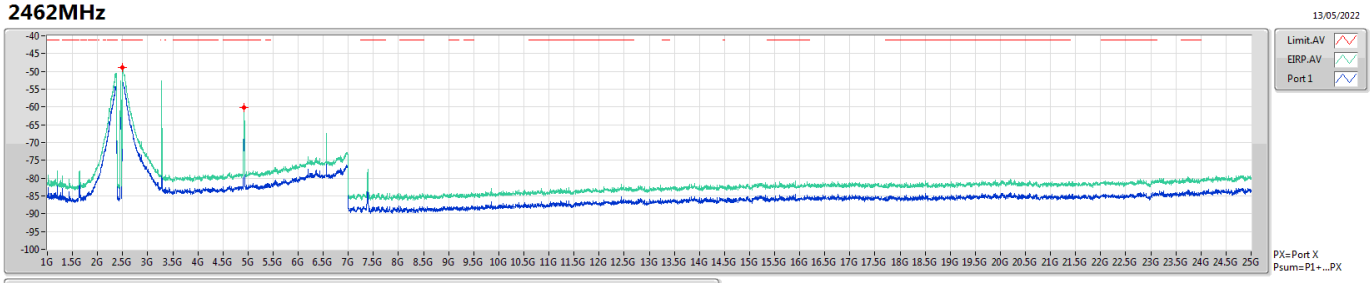
2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	PK	2.503G	-38.99	-21.20	-17.79	3.60	0.00	-42.59	-42.59
1G	25G	1M	PK	4.924G	-54.42	-21.20	-33.22	3.60	0.00	-58.02	-58.02

802.11n HT20_Nss1,(MCS0)_1TX **CSE [AV]**

2462MHz



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dBi)	Refl(dB)	Psum(dBm)	P1(dBm)
1G	25G	1M	AV	2.5G	-48.96	-41.20	-7.76	3.60	0.00	-52.56	-52.56
1G	25G	1M	AV	4.924G	-60.25	-41.20	-19.05	3.60	0.00	-63.85	-63.85