FCC Radio Test Report

FCC ID	:	**2AXZJ-CTX0710**
Equipment	:	**Telematics Control Unit**
Brand Name	:	**Lucid USA, Inc**
Model Name	:	**P11-K290G0**
Applicant	:	**Lucid USA, Inc** **Lucid Motors, Inc 7373 Gateway Blvd,** **Newark, California, United States, 94560**
Manufacturer	:	**Lucid USA, Inc** **Lucid Motors, Inc 7373 Gateway Blvd,** **Newark, California, United States, 94560**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on May 24, 2021, and testing was started from Jun. 09, 2021 and completed on Jun. 12, 2021. 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: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR152404AC	01	Initial issue of report	Jun. 21, 2021

Summary of Test Result

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

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

Reviewed by: Sam Tsai
Report Producer: Debby Hung

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	L: UDB332-04-000-C	FPC	FARKA
2	Amphenol	R: UDB332-04-100-C	FPC	FARKA
3	Amphenol	L :UDB331-04-000-C-SHT180	FPC	FARKA
4	Amphenol	R: UDB331-04-100-C-SHT180	FPC	FARKA

Ant.	Port	2.4G Gain (dBi)						
		2400	2420	2440	2460	2480	2500	Remark (Note. 1)
1	1	4.07	3.64	2.57	4.07	3.24	3.28	w/o cable
		-0.88	-1.31	-2.38	-0.88	-1.71	-1.67	with cable

Ant.	Port	5G Gain (dBi)							
		5150	5200	5250	5700	5750	5800	5850	Remark (Note. 2)
1~2	1~2	4.04	4.05	3.53	3.52	3.62	4.16	2.26	w/o cable
		-3.35	-3.34	-3.86	-4.36	-4.26	-3.72	-5.62	with cable

Ant.	Port	WWAN 2G/3G Gain (dBi)					
		GSM 850	PCS 1900	WCDMA Band 2	WCDMA Band 4	WCDMA Band 5	Remark (Note. 3)
3~4	1~2	5.41	4.47	4.47	4.2	5.41	w/o cable
		0.57	-0.37	-0.37	-0.64	0.57	with cable

Ant.	Port	WWAN 4G Gain (dBi)						
		LTE Band 2	LTE Band 4/66	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 13	Remark (Note. 3)
3~4	1~2	4.47	4.2	5.41	1.5	5.7	6.9	w/o cable
		-0.37	-0.64	0.57	-3.34	0.86	2.06	with cable

Note 1: WLAN 2.4G cable loss = 4.95 dB.
Note 2: WLAN 5GHz Band 1 cable loss = 7.39 dB, and 5GHz Band 4 cable loss = 7.88 dB.
Note 3: WWAN cable loss = 4.84 dB.
Note 4: The EUT has four antennas.

For 2.4GHz function:
For IEEE 802.11 b/g/n mode (1TX/1RX)
Ant. 1 (port 1) could transmit/receive.

For 5GHz function:
For IEEE 802.11 a/n/ac mode (2TX/2RX)
Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For WWAN function (1TX/2RX):
Ant. 3 (port 1) could transmit, and Ant. 3 (port 1) and Ant. 4 (port 2) could receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Battery			
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	0.999	0.01	16.803m	10
802.11g_Nss1,(6Mbps)_1TX	0.993	0.03	2.795m	10
802.11n HT20_Nss1,(MCS0)_1TX	0.992	0.03	2.343m	10

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**
RF Conducted	TH01-HY	Vivi Jiang	20.1~26.9°C / 52~61%	12/Jun/2021
Radiated	03CH02-HY	Tony Chang	20.6~26.7°C / 51~62%	09/Jun/2021~10/Jun/2021
☐ 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	Dos6.1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	21
2417MHz	21
2437MHz	23
2457MHz	21
2462MHz	22
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	17
2417MHz	19
2437MHz	20
2457MHz	20
2462MHz	19
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	17
2437MHz	19
2457MHz	19
2462MHz	18

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G +WWAN 2G/3G/4G
2	WLAN 5G + WWAN 2G/3G/4G
Refer to Sporton Test Report No.: FA152404 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories		
DC Power Cable	Signal Line	2.51 meter, non-shielded cable, w/o ferrite core
USB 3.0 Cable	Signal Line	0.5 meter, non-shielded cable, w/o ferrite core
RJ45 Cable	Signal Line	0.5 meter, non-shielded cable, w/o ferrite core
APTIV Cable	Signal Line	15 meter, shielded cable, w/o ferrite core
Antenna Cable (WiFi*2)	Signal Line	5.41 meter, shielded cable, w/o ferrite core
Antenna Cable (LTE L & R)	Signal Line	5.83 meter, shielded cable, w/o ferrite core
GPS Cable	Signal Line	5.16 meter, shielded cable, w/o ferrite core

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

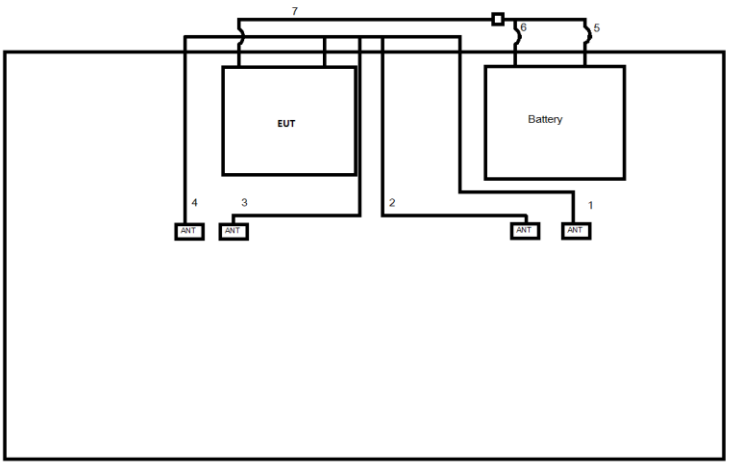
2.4 Support Equipment

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	DC Power Supply	GW	GPS-3030DD	-	-
4	fixture	-	-	-	Client provided

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Battery	Panasonic	46B24R (NS60)	-	-

2.5 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	Antenna Cable	Yes	5.83	-
2	Antenna Cable	Yes	5.41	-
3	Antenna Cable	Yes	5.41	-
4	Antenna Cable	Yes	5.83	-
5	DC Power cable(+)	No	1.5	-
6	DC Power cable(-)	No	1.5	-
7	DC Power Cable	No	2.51	-

3 Transmitter Test Result

3.1 DTS Bandwidth

3.1.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

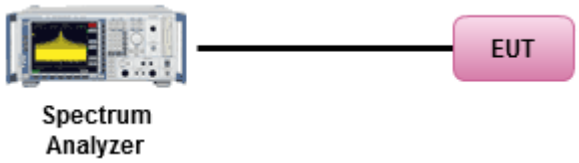
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.1.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer

3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
e.i.r.p. Power Limit:		
▪ 2400-2483.5 MHz Band		
	▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)	
	▪ Point-to-point systems (P2P): $P_{eirp} \leq$ MAX(36, [$P_{Out} + G_{TX}$]) dBm	
	▪ Smart antenna system (SAS)	
		- Single beam: $P_{eirp} \leq$ MAX(36, $P_{Out} + G_{TX}$) dBm
		- Overlap beam: $P_{eirp} \leq$ MAX(36, $P_{Out} + G_{TX}$) dBm
		- Aggregate power on all beams: $P_{eirp} \leq$ MAX(36, [$P_{Out} + G_{TX} + 8$]) dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	☐ Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	☐ Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
▪ Maximum Average Conducted Output Power	
	☐ Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	☒ Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
▪ For conducted measurement.	
	▪ If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Power Spectral Density Limit

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

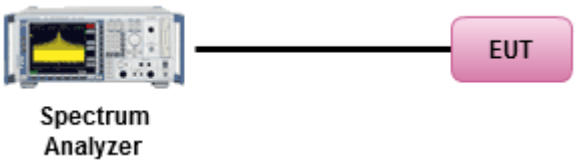
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒ Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪ For conducted measurement.
▪ If The EUT supports multiple transmit chains using options given below:
▪ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Emissions in Non-restricted Frequency Bands

3.4.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dB)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

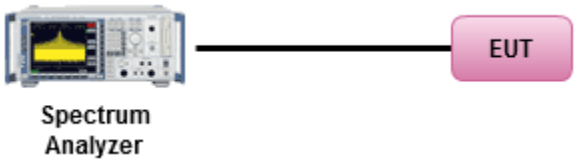
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.4.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix D

3.5 Emissions in Restricted Frequency Bands

3.5.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.5.2 Measuring Instruments

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

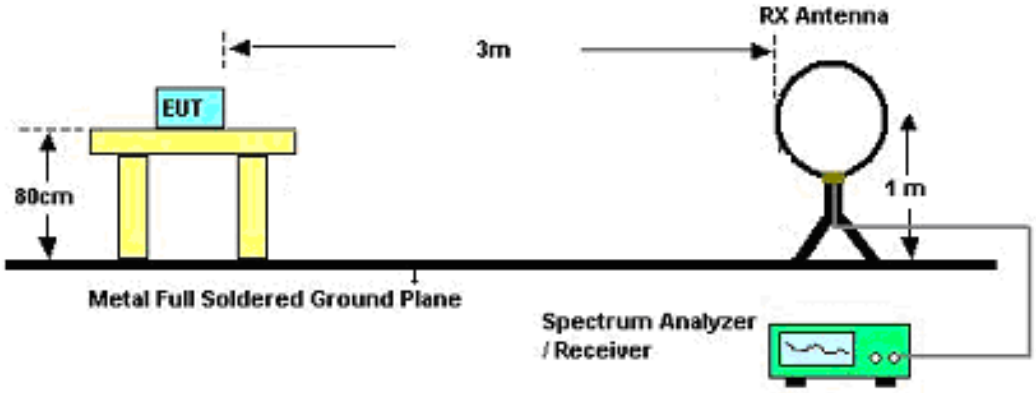
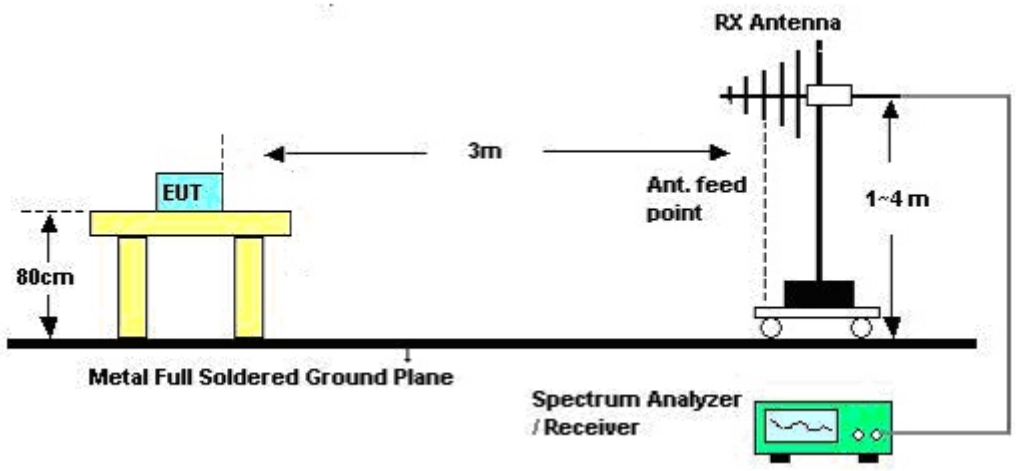
3.5.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 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.

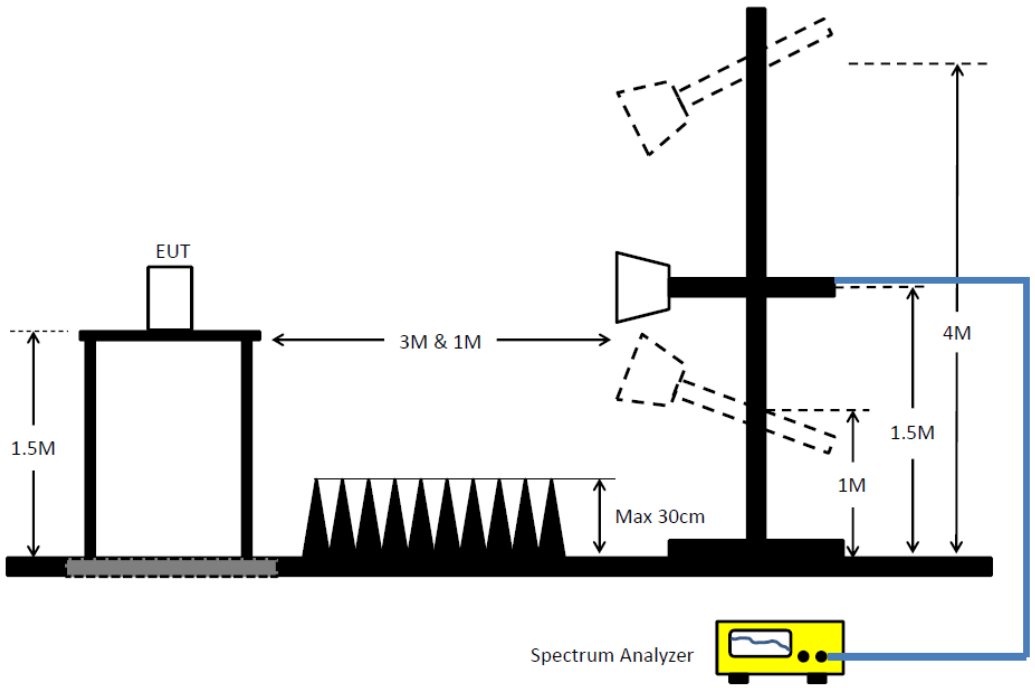
3.5.4 Measurement Results Calculation

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

3.5.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.5.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double ridged Guide Horn Antenna	COM-POWER	AH-118	10094	1GHz~18GHz	08/Jul/2020	07/Jul/2021
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	05/May/2021	04/May/2022
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	05/May/2021	04/May/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	18/Mar/2021	17/Mar/2022

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	8.05M	13.718M	13M7G1D	7.075M	11.494M
802.11g_Nss1,(6Mbps)_1TX	16.05M	16.992M	17M0D1D	16.025M	16.642M
802.11n HT20_Nss1,(MCS0)_1TX	17.35M	17.891M	17M9D1D	17.225M	17.791M

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

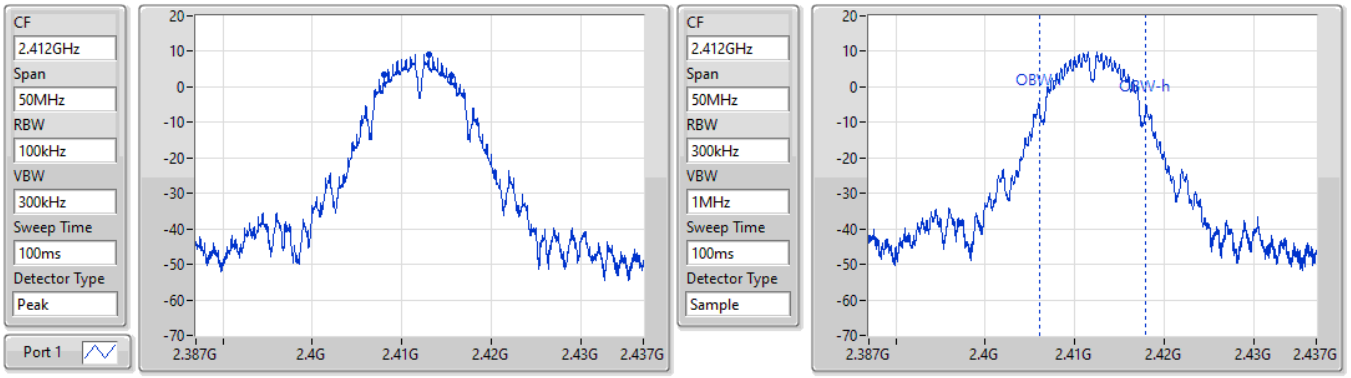
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.525M	11.844M
2437MHz	Pass	500k	8.05M	13.718M
2462MHz	Pass	500k	7.075M	11.494M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.05M	16.642M
2437MHz	Pass	500k	16.025M	16.992M
2462MHz	Pass	500k	16.05M	16.767M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.25M	17.841M
2437MHz	Pass	500k	17.35M	17.891M
2462MHz	Pass	500k	17.225M	17.791M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

12/06/2021

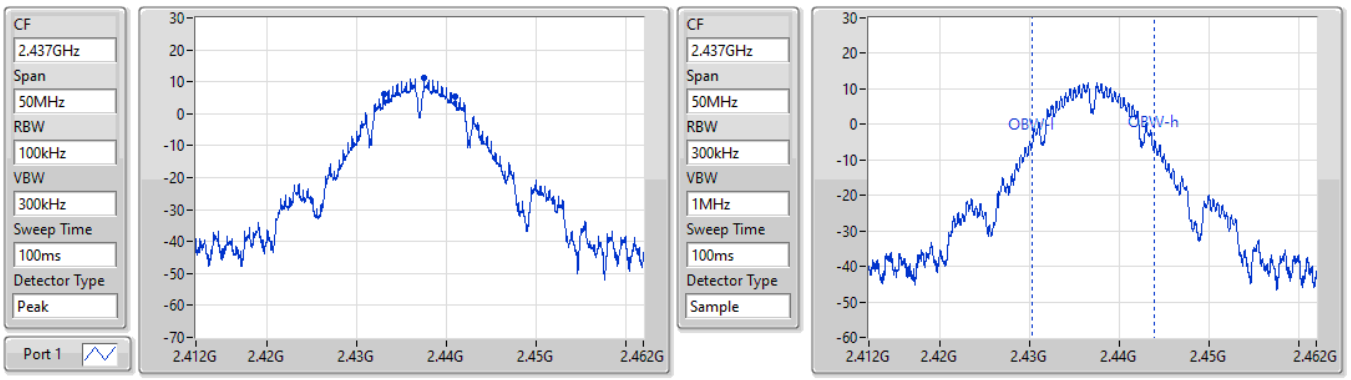


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.408G	2.415525G	11.844M	2.406028G	2.417872G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

12/06/2021

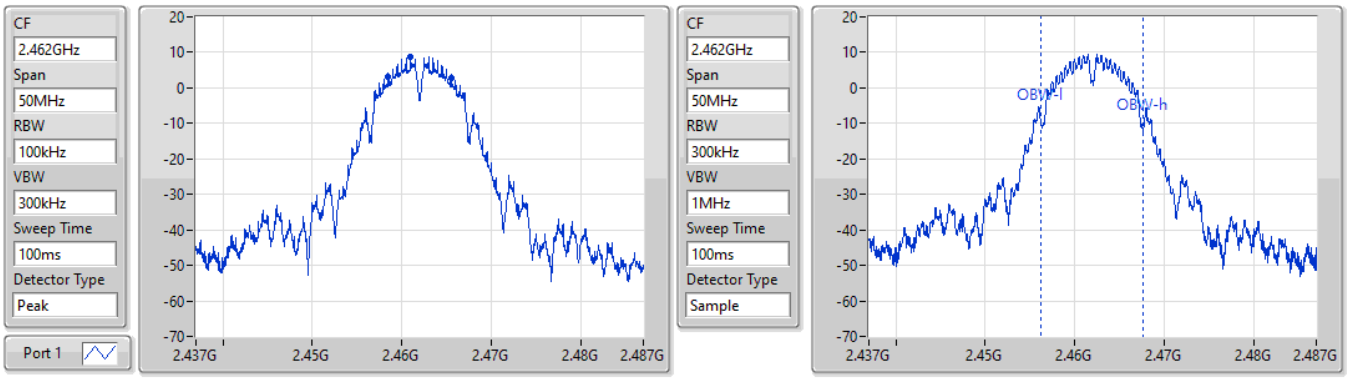


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.432975G	2.441025G	13.718M	2.430178G	2.443897G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

12/06/2021

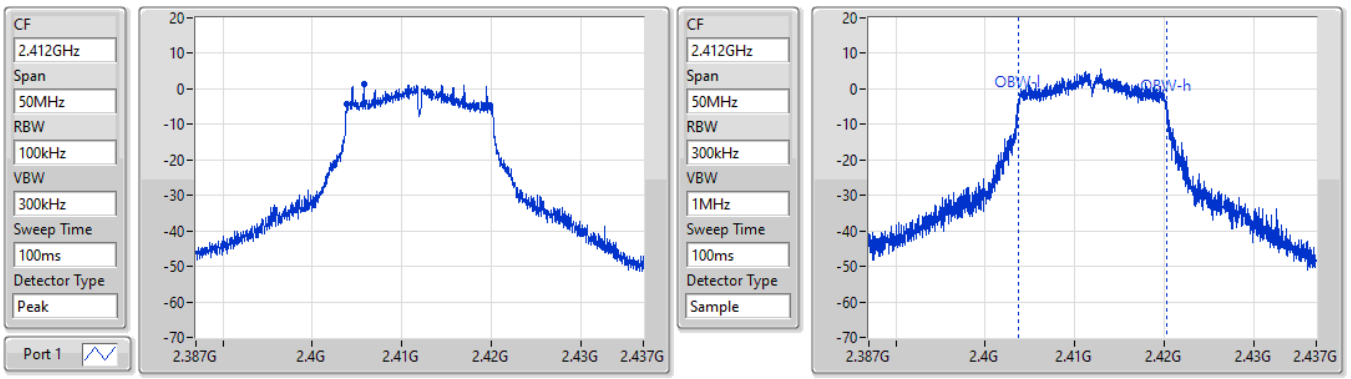


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.458475G	2.46555G	11.494M	2.456178G	2.467672G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

12/06/2021

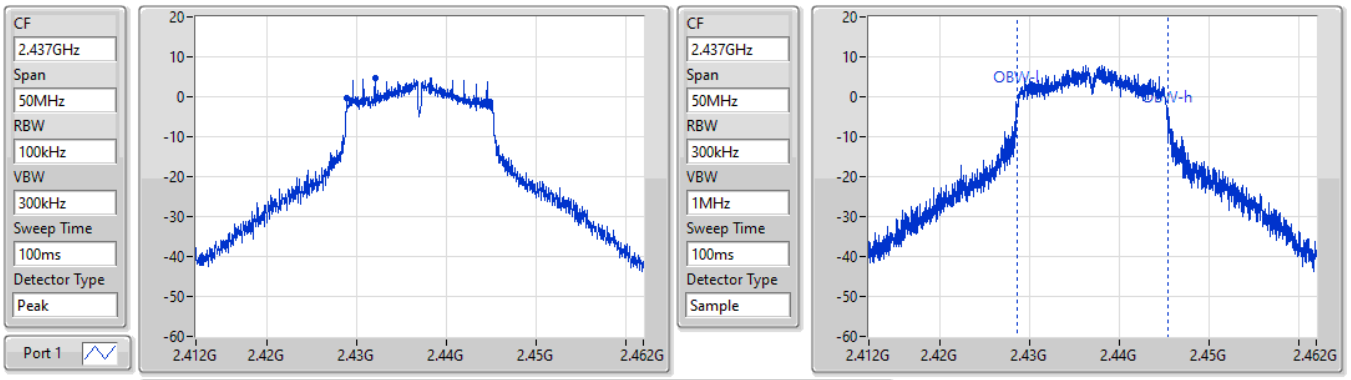


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.40385G	2.4199G	16.642M	2.403654G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

12/06/2021

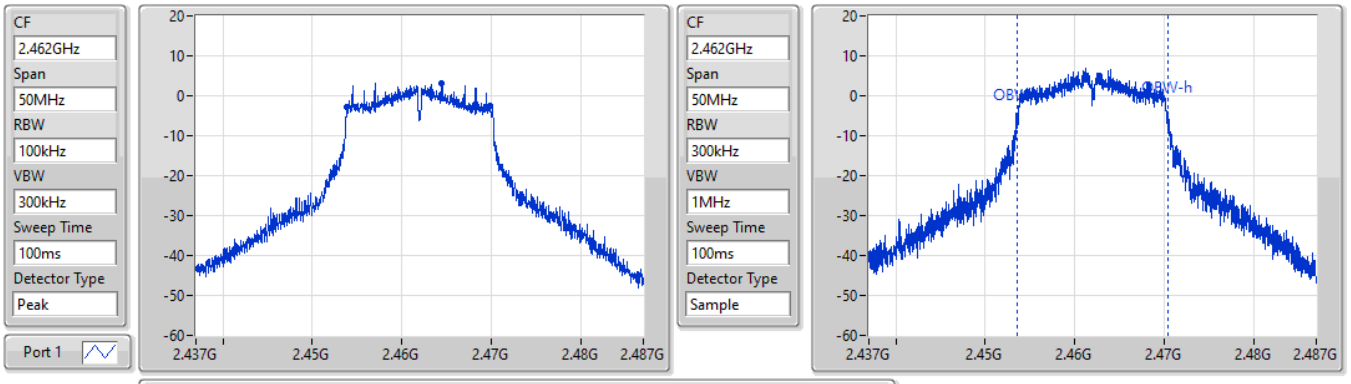


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.428875G	2.4449G	16.992M	2.428504G	2.445496G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

12/06/2021

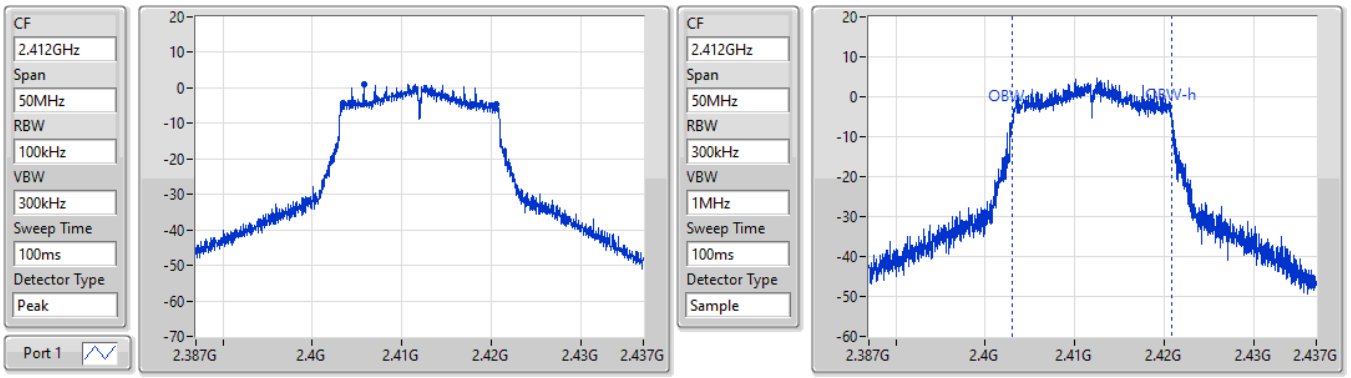


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.45385G	2.4699G	16.767M	2.453629G	2.470396G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

12/06/2021

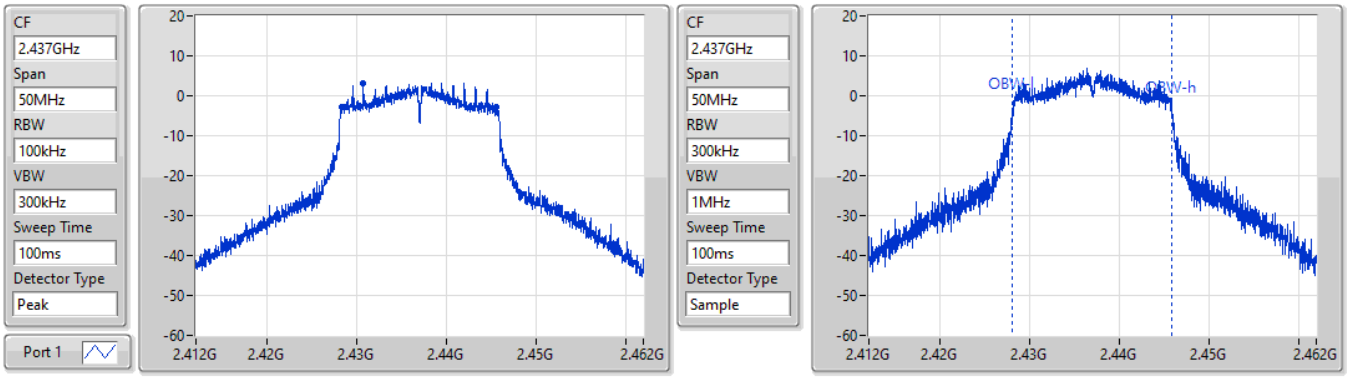


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.25M	2.403375G	2.420625G	17.841M	2.403004G	2.420846G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

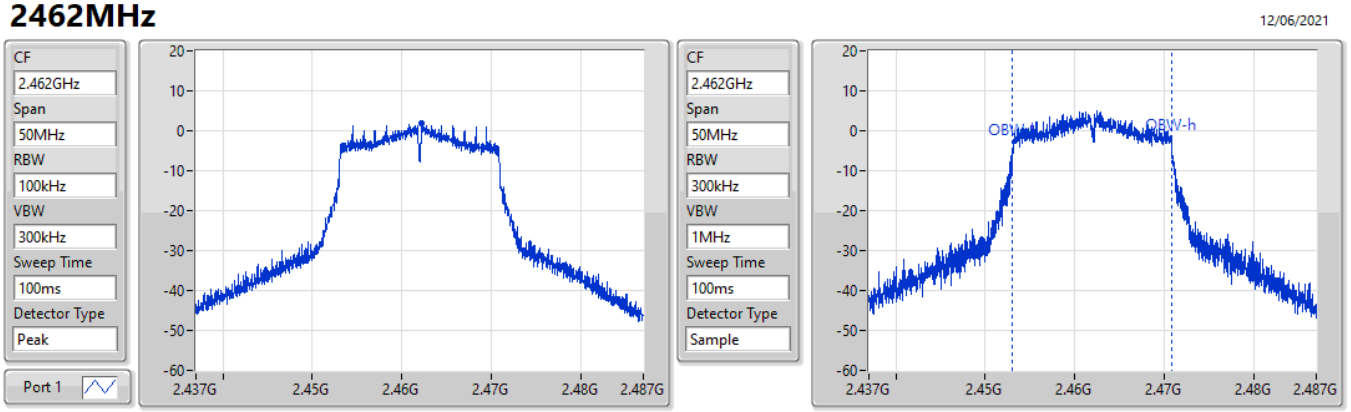
12/06/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.35M	2.42825G	2.4456G	17.891M	2.428004G	2.445896G	500k	1

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

2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.225M	2.453375G	2.4706G	17.791M	2.453079G	2.470871G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.60	0.09120
802.11g_Nss1,(6Mbps)_1TX	16.49	0.04457
802.11n HT20_Nss1,(MCS0)_1TX	15.13	0.03258

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	17.32	17.32	30.00
2417MHz	Pass	-1.31	17.29	17.29	30.00
2437MHz	Pass	-2.38	19.60	19.60	30.00
2457MHz	Pass	-0.88	16.84	16.84	30.00
2462MHz	Pass	-0.88	17.03	17.03	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	13.22	13.22	30.00
2417MHz	Pass	-1.31	15.53	15.53	30.00
2437MHz	Pass	-2.38	16.49	16.49	30.00
2457MHz	Pass	-0.88	16.46	16.46	30.00
2462MHz	Pass	-0.88	14.97	14.97	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	12.93	12.93	30.00
2437MHz	Pass	-2.38	15.13	15.13	30.00
2457MHz	Pass	-0.88	14.83	14.83	30.00
2462MHz	Pass	-0.88	13.80	13.80	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	-3.93
802.11g_Nss1,(6Mbps)_1TX	-7.71
802.11n HT20_Nss1,(MCS0)_1TX	-9.31

RBW = 3kHz;

Result

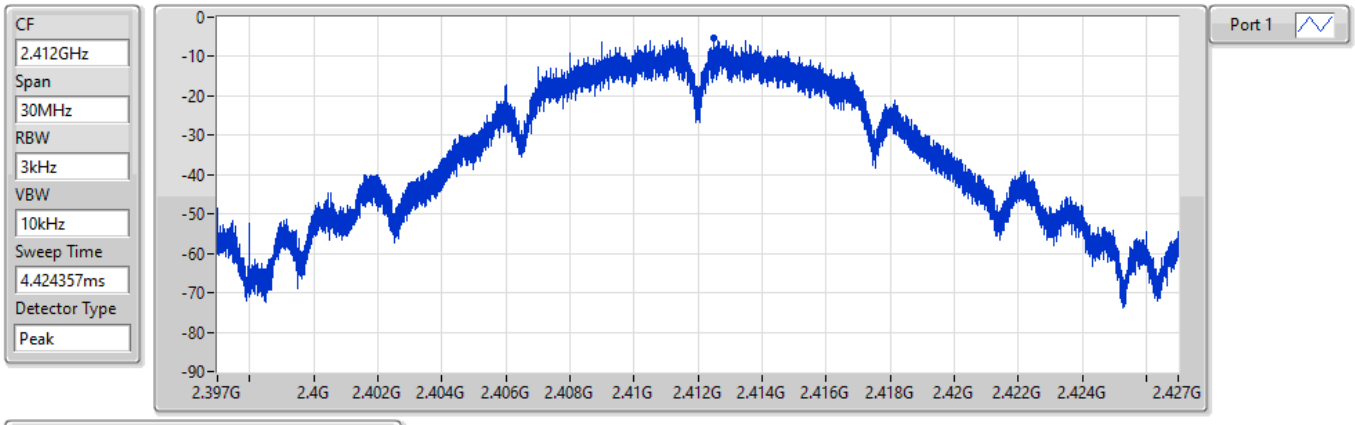
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-5.14	-5.14	8.00
2437MHz	Pass	-2.38	-3.93	-3.93	8.00
2462MHz	Pass	-0.88	-5.77	-5.77	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-11.49	-11.49	8.00
2437MHz	Pass	-2.38	-7.71	-7.71	8.00
2462MHz	Pass	-0.88	-8.85	-8.85	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-11.08	-11.08	8.00
2437MHz	Pass	-2.38	-9.31	-9.31	8.00
2462MHz	Pass	-0.88	-10.35	-10.35	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

12/06/2021

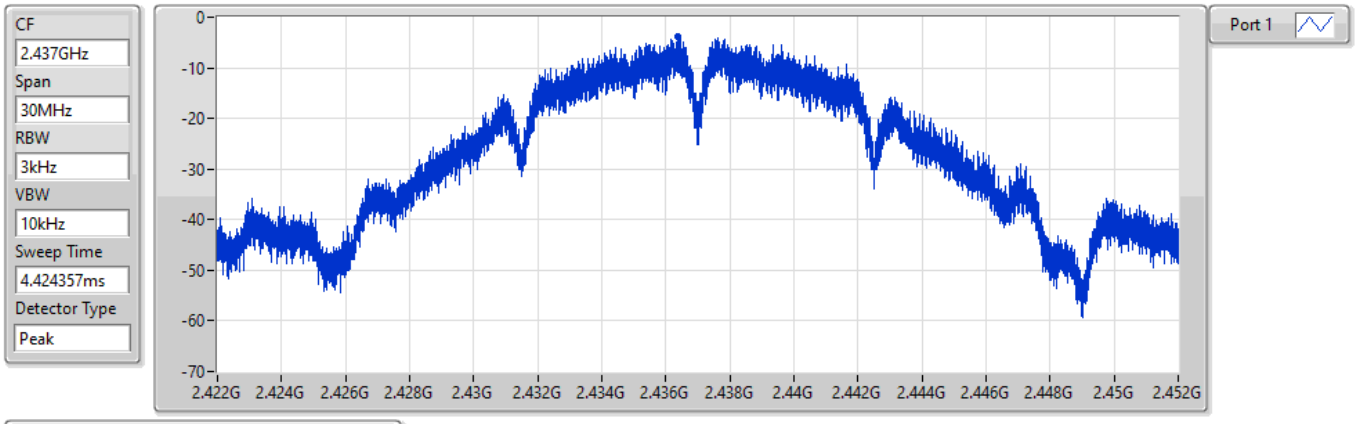


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.14	-5.14	-5.14

802.11b_Nss1,(1Mbps)_1TX PSD

2437MHz

12/06/2021

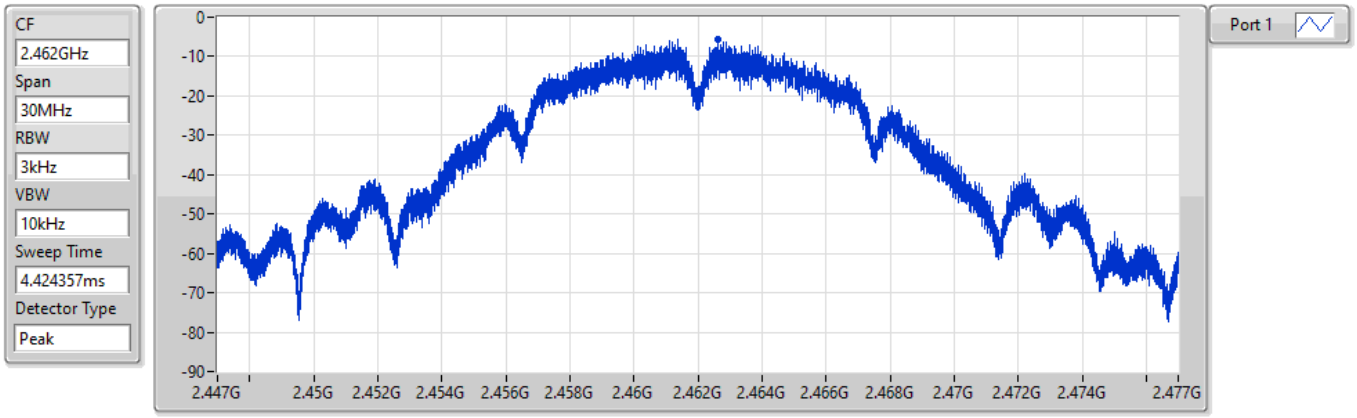


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.93	-3.93	-3.93

802.11b_Nss1,(1Mbps)_1TX PSD

2462MHz

12/06/2021

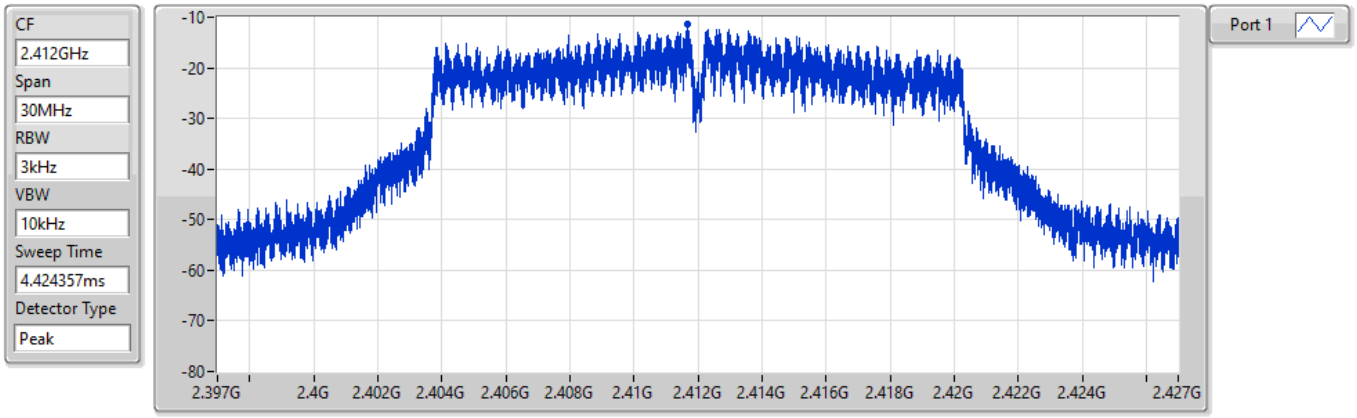


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.77	-5.77	-5.77

802.11g_Nss1,(6Mbps)_1TX PSD

2412MHz

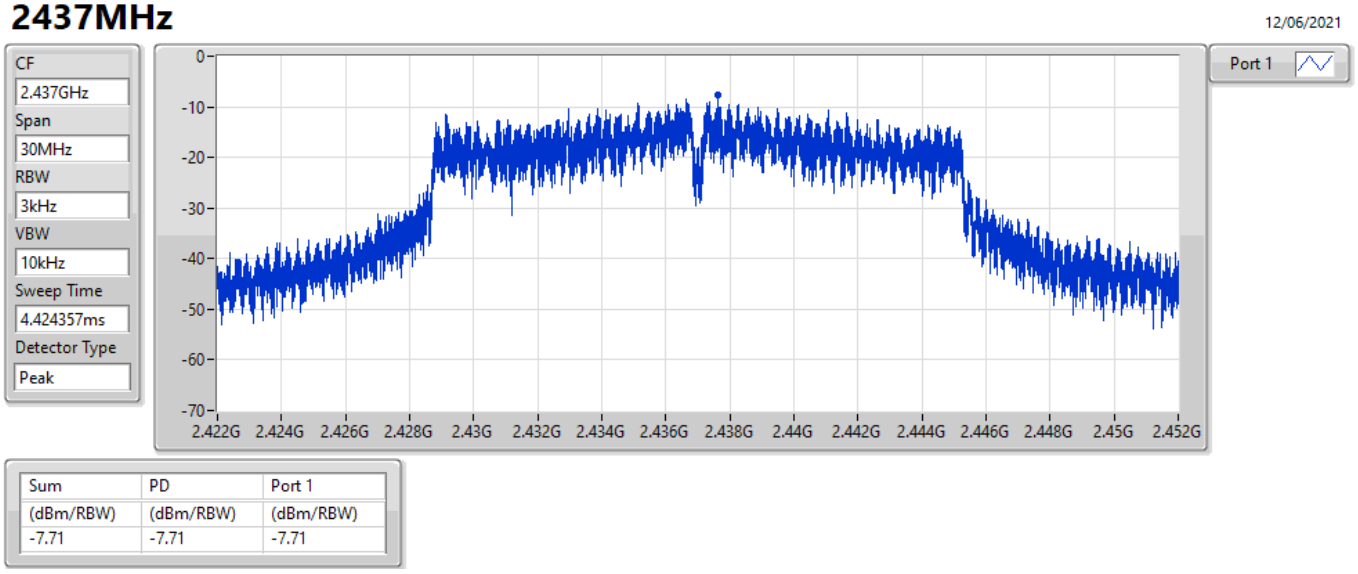
12/06/2021



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.49	-11.49	-11.49

802.11g_Nss1,(6Mbps)_1TX PSD

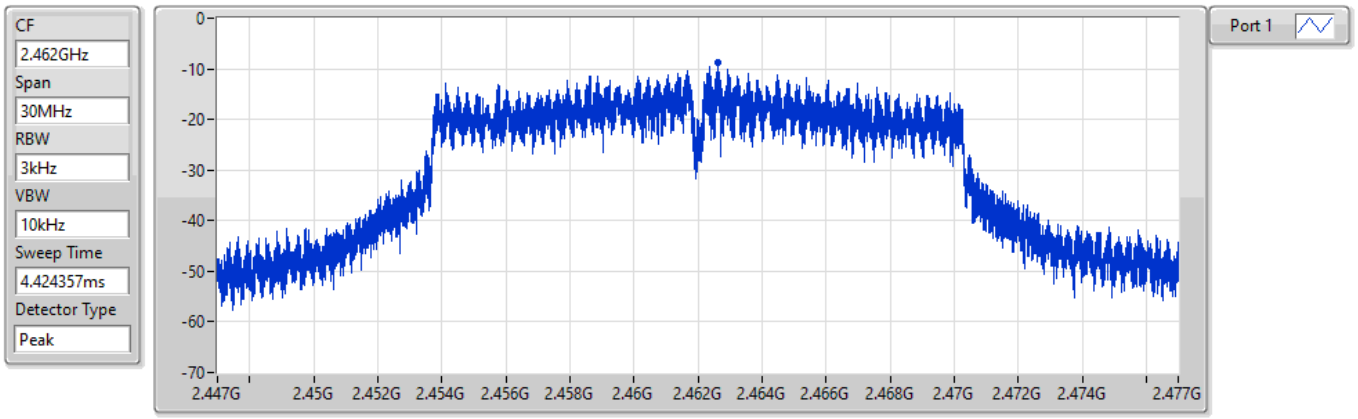
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.71	-7.71	-7.71

802.11g_Nss1,(6Mbps)_1TX PSD

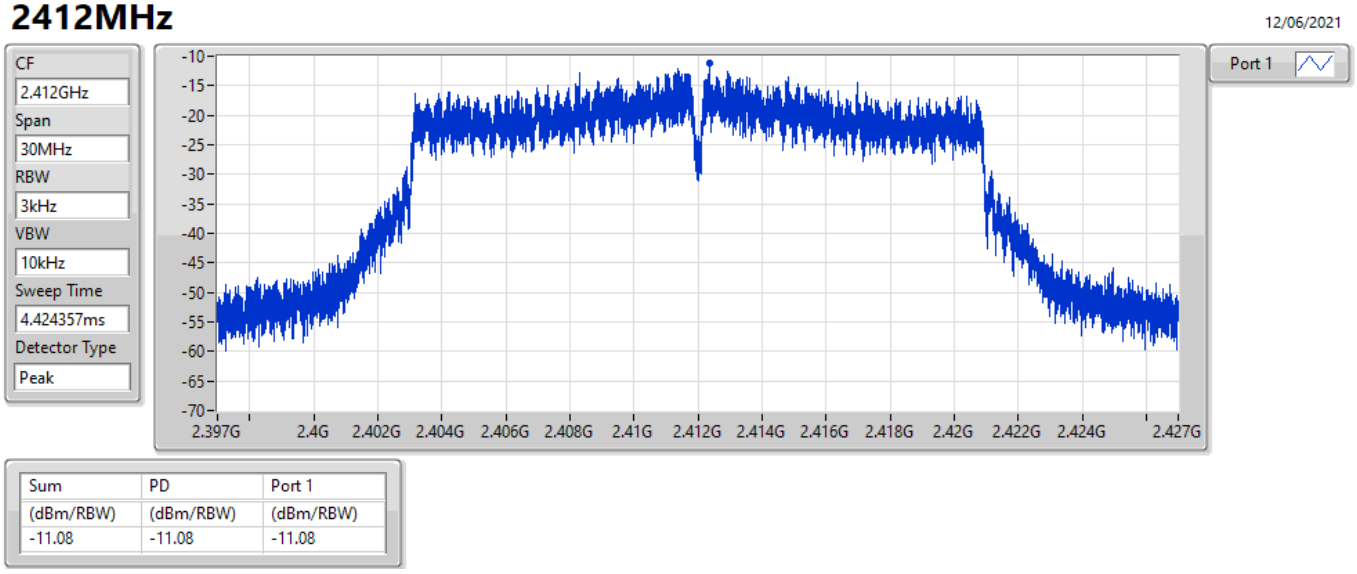
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.85	-8.85	-8.85

802.11n HT20_Nss1,(MCS0)_1TX PSD

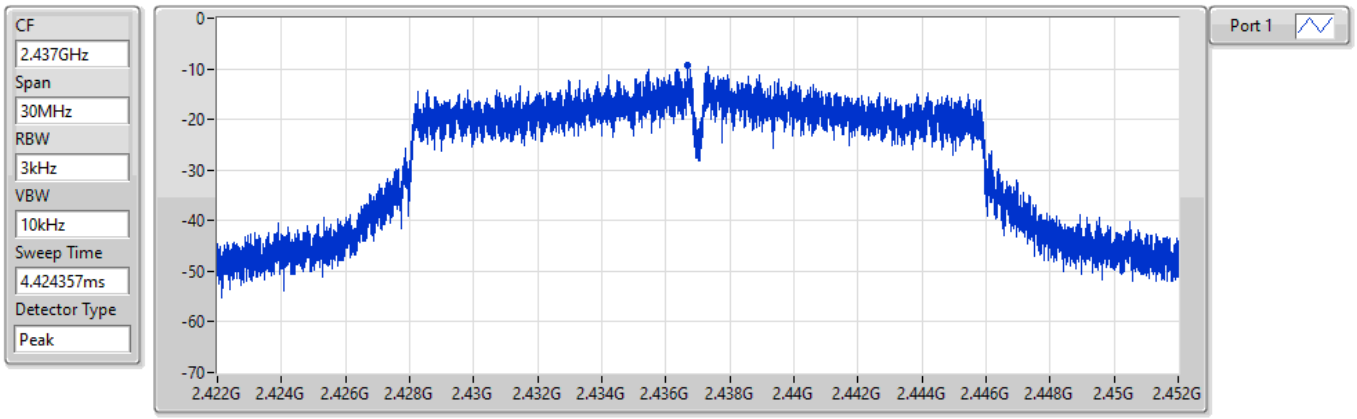
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.08	-11.08	-11.08

802.11n HT20_Nss1,(MCS0)_1TX PSD

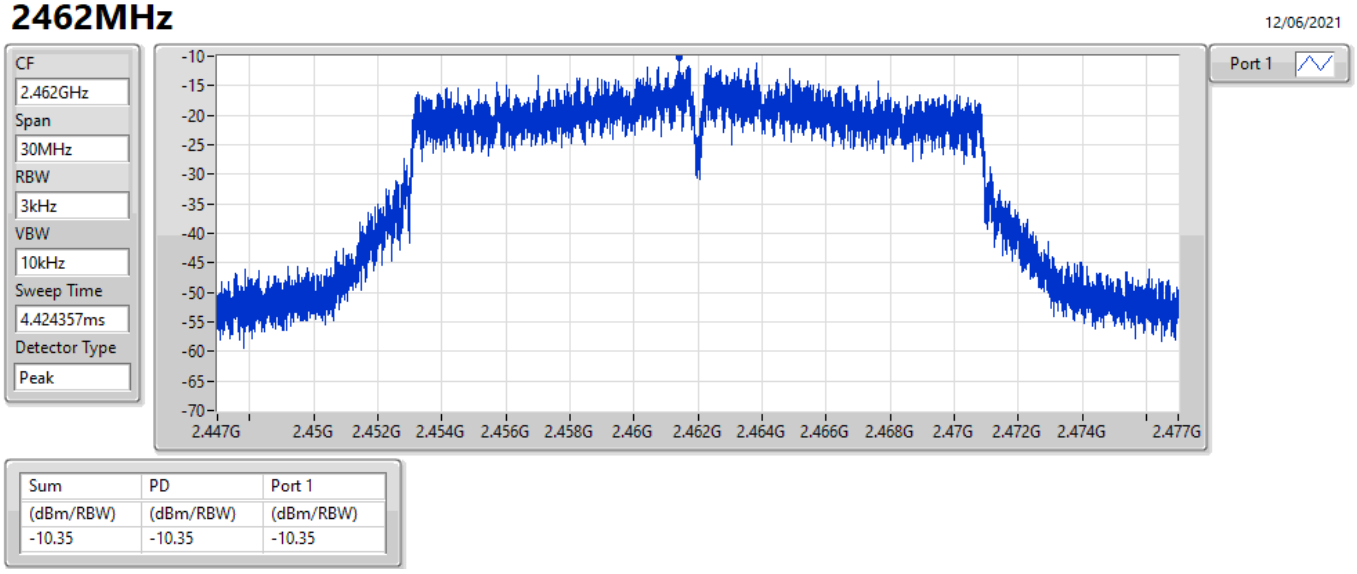
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.31	-9.31	-9.31

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.35	-10.35	-10.35

Summary

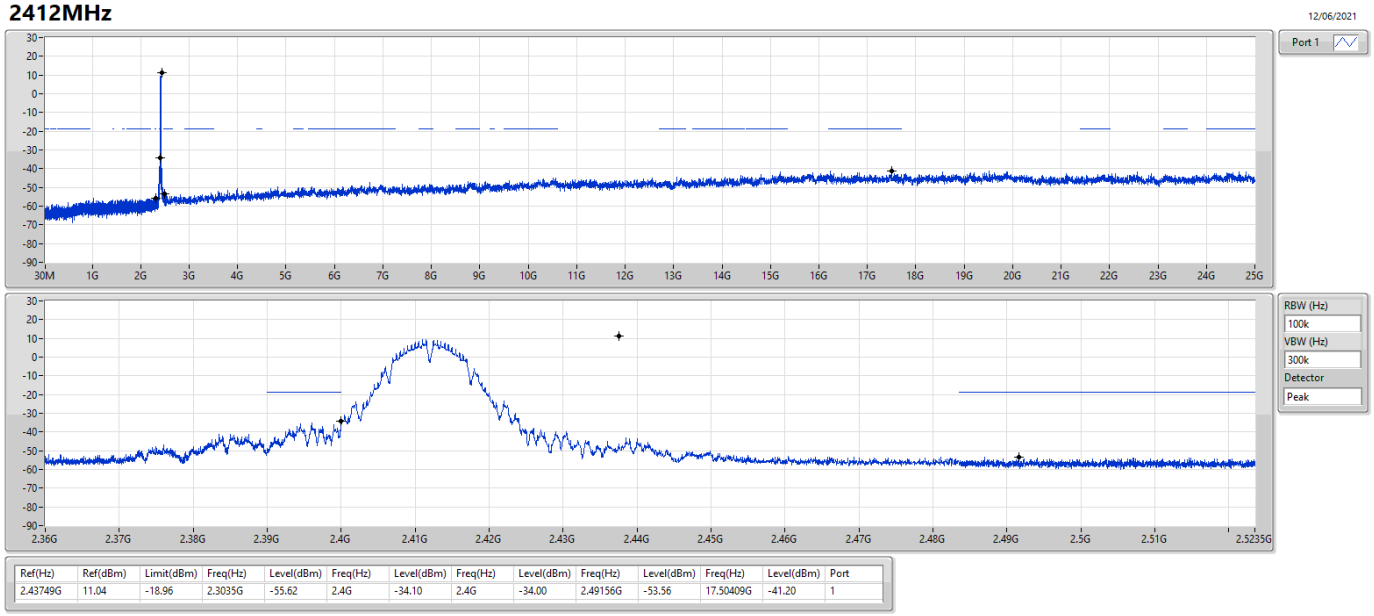
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	11.04	-18.96	2.3035G	-55.62	2.4G	-34.10	2.4G	-34.00	2.49156G	-53.56	17.50409G	-41.20	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43636G	4.26	-25.74	2.0137G	-55.75	2.39952G	-29.16	2.4G	-34.39	2.4891G	-53.29	17.18661G	-41.43	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43073G	3.54	-26.46	2.13486G	-55.66	2.39958G	-29.75	2.4G	-29.65	2.4898G	-53.59	16.48984G	-41.00	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	2.43749G	11.04	-18.96	2.3035G	-55.62	2.4G	-34.10	2.4G	-34.00	2.49156G	-53.56	17.50409G	-41.20	1
2437MHz	Pass	2.43749G	11.04	-18.96	1.99885G	-55.23	2.39902G	-40.43	2.4G	-43.44	2.4855G	-46.64	24.17961G	-41.69	1
2462MHz	Pass	2.43749G	11.04	-18.96	2.03467G	-54.28	2.39126G	-53.02	2.4835G	-44.37	2.48352G	-43.70	16.21731G	-40.95	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43636G	4.26	-25.74	2.0137G	-55.75	2.39952G	-29.16	2.4G	-34.39	2.4891G	-53.29	17.18661G	-41.43	1
2437MHz	Pass	2.43636G	4.26	-25.74	2.30088G	-55.01	2.39704G	-45.22	2.4G	-48.07	2.48382G	-52.12	24.20489G	-41.23	1
2462MHz	Pass	2.43636G	4.26	-25.74	2.11885G	-54.52	2.39772G	-54.10	2.4835G	-40.07	2.48358G	-39.73	21.91791G	-42.26	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	3.54	-26.46	2.13486G	-55.66	2.39958G	-29.75	2.4G	-29.65	2.4898G	-53.59	16.48984G	-41.00	1
2437MHz	Pass	2.43073G	3.54	-26.46	1.75333G	-55.31	2.3933G	-46.94	2.4G	-48.27	2.48388G	-52.43	24.51395G	-41.13	1
2462MHz	Pass	2.43073G	3.54	-26.46	2.30728G	-54.94	2.39298G	-52.65	2.4835G	-40.96	2.4837G	-40.49	24.90728G	-41.91	1

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

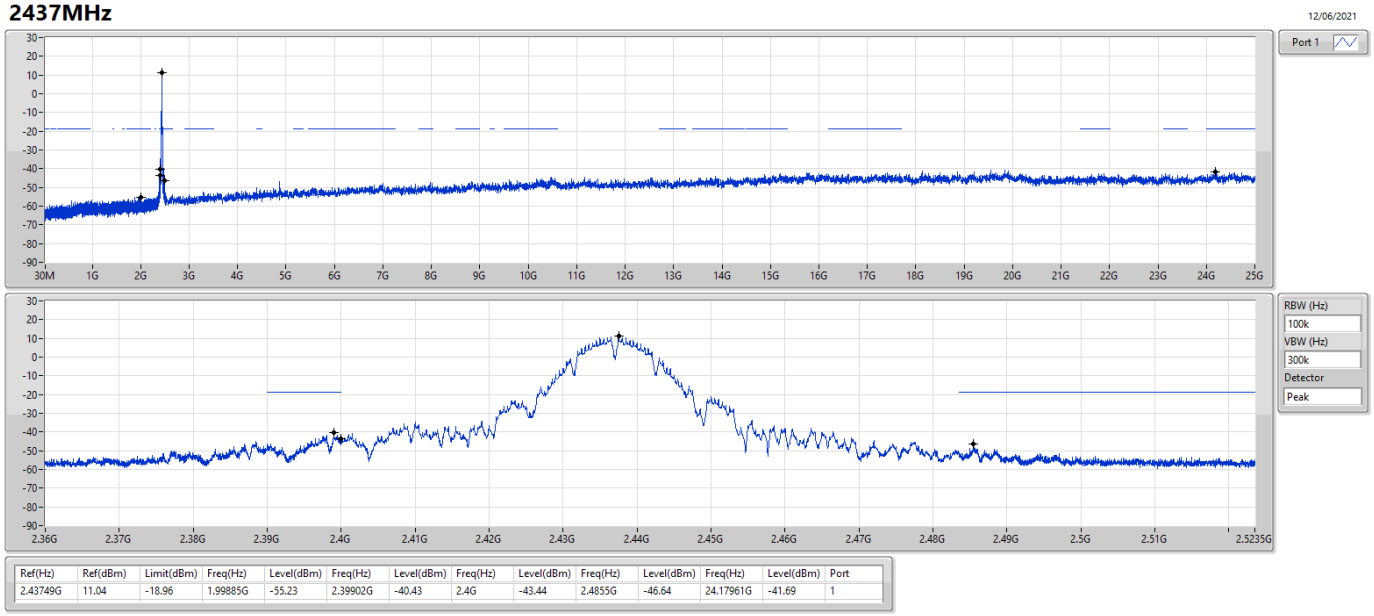
2412MHz



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
2.43749G	11.04	-18.96	2.3035G	-55.62	2.4G	-34.10	2.4G	-34.00	2.49156G	-53.56	17.50409G	-41.20	1

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

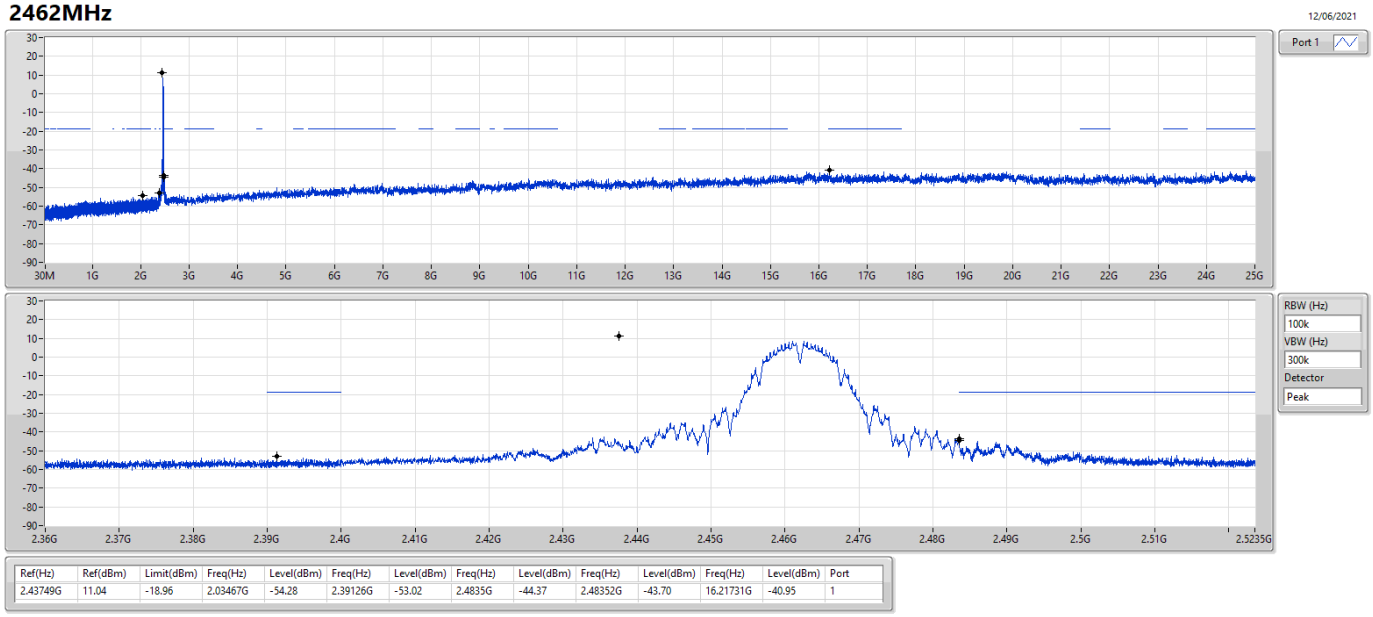
2437MHz



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
2.43749G	11.04	-18.96	1.99885G	-55.23	2.39902G	-40.43	2.4G	-43.44	2.4855G	-46.64	24.17961G	-41.69	1

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

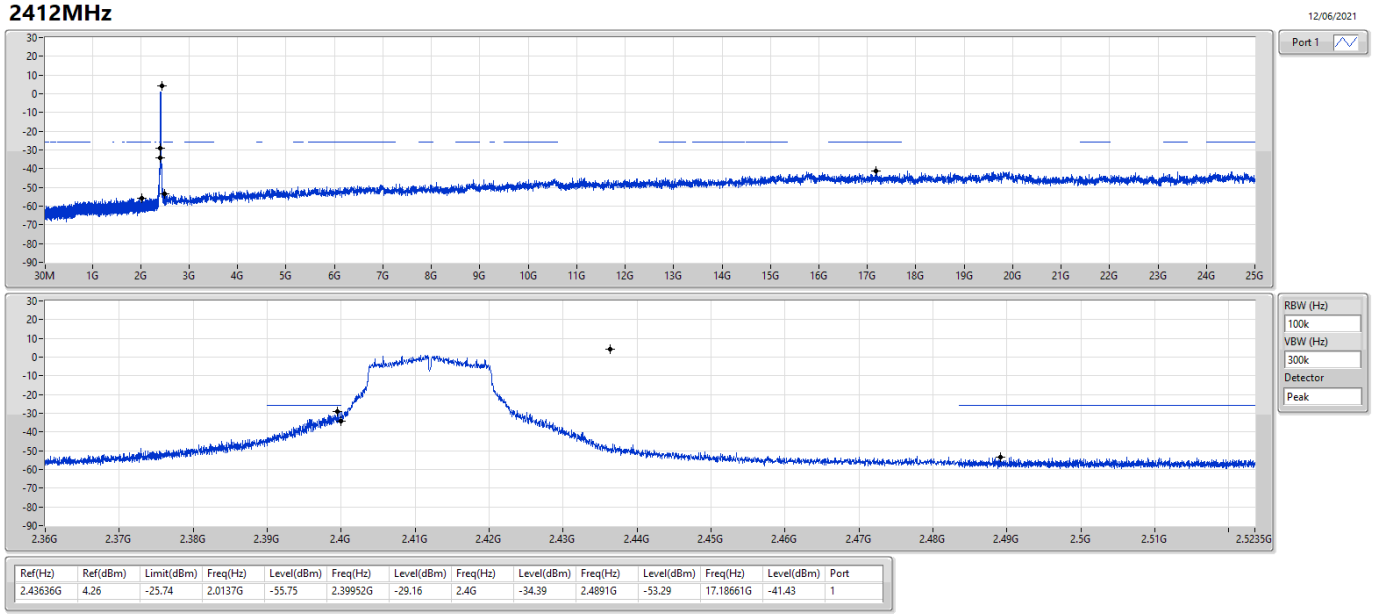
2462MHz



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
2.43749G	11.04	-18.96	2.03467G	-54.28	2.39126G	-53.02	2.4835G	-44.37	2.48352G	-43.70	16.21731G	-40.95	1

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

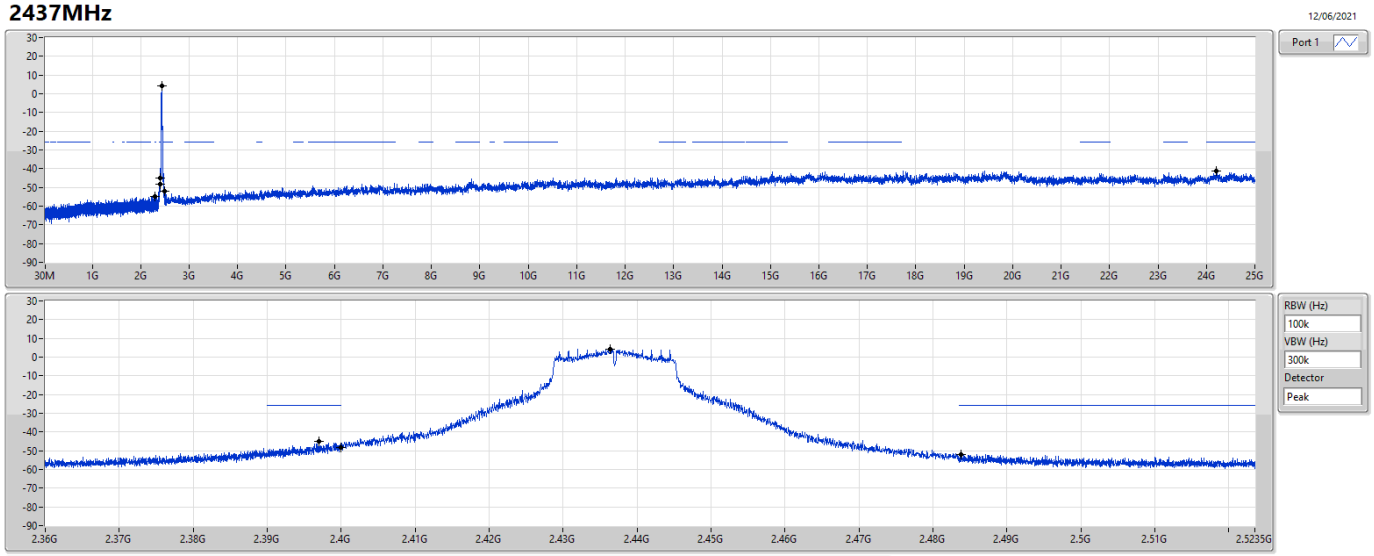
2412MHz



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
2.43636G	4.26	-25.74	2.0137G	-55.75	2.39952G	-29.16	2.4G	-34.39	2.4891G	-53.29	17.18661G	-41.43	1

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

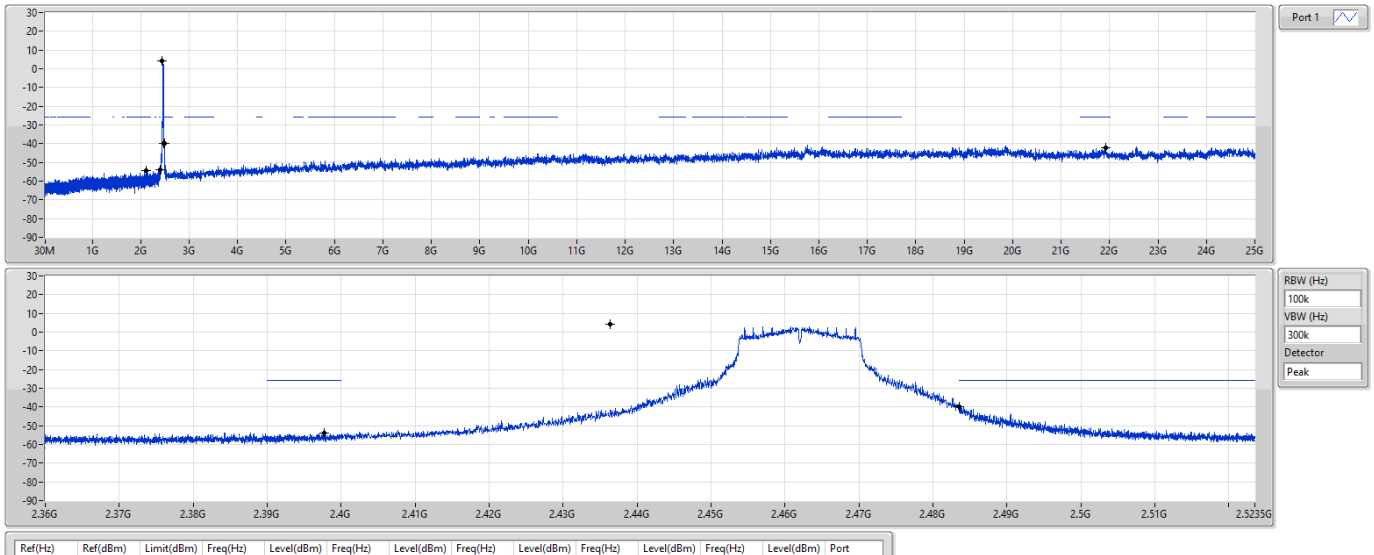
2437MHz



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
2.43636G	4.26	-25.74	2.30088G	-55.01	2.39704G	-45.22	2.4G	-48.07	2.48382G	-52.12	24.20489G	-41.23	1

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

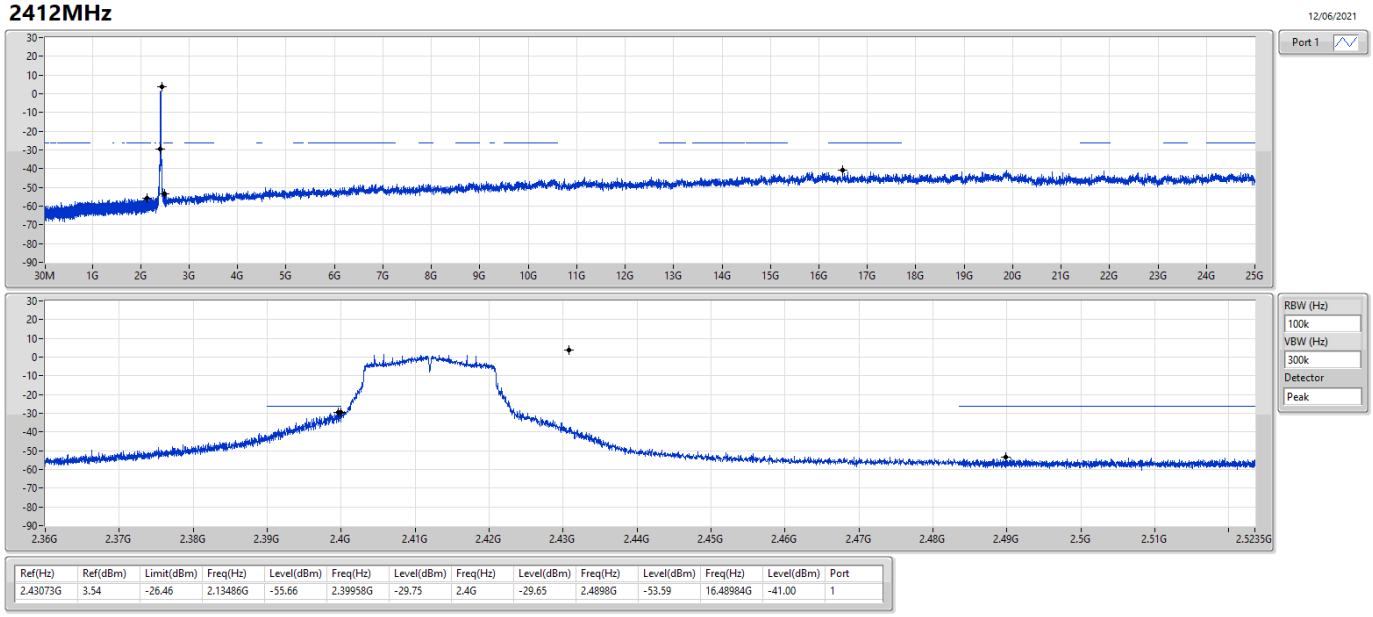
2462MHz



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
2.43636G	4.26	-25.74	2.11885G	-54.52	2.39772G	-54.10	2.4835G	-40.07	2.48358G	-39.73	21.91791G	-42.26	1

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

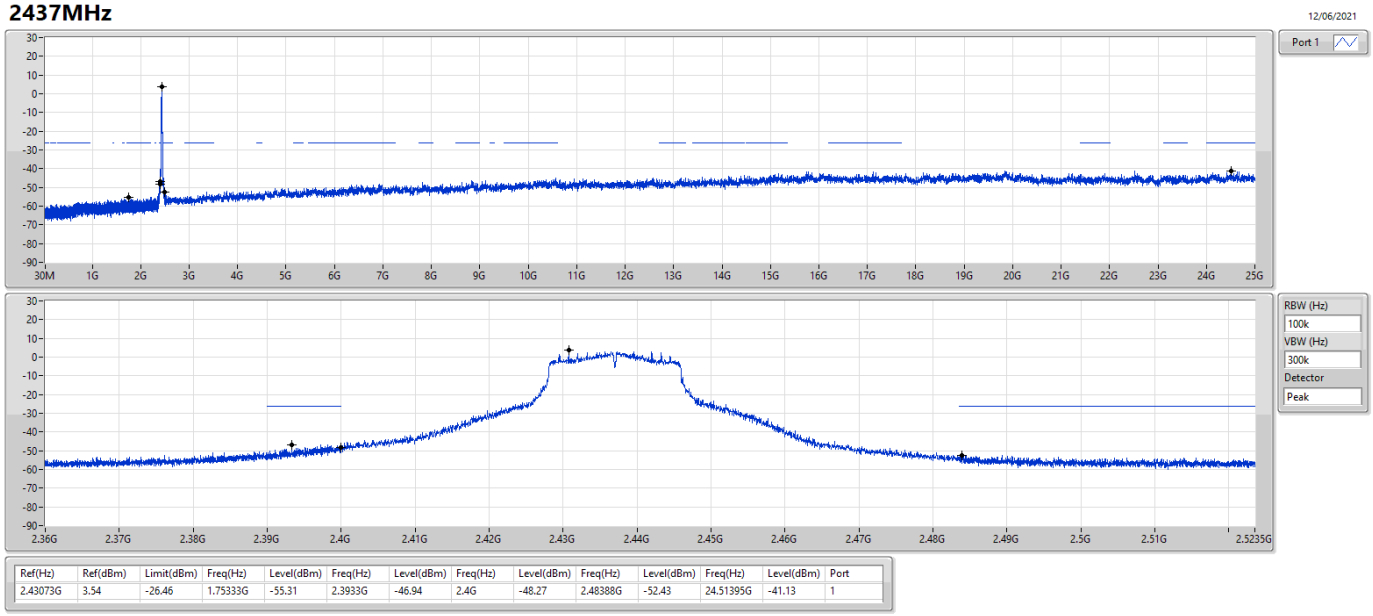
2412MHz



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
2.43073G	3.54	-26.46	2.13486G	-55.66	2.39958G	-29.75	2.4G	-29.65	2.4898G	-53.59	16.48984G	-41.00	1

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

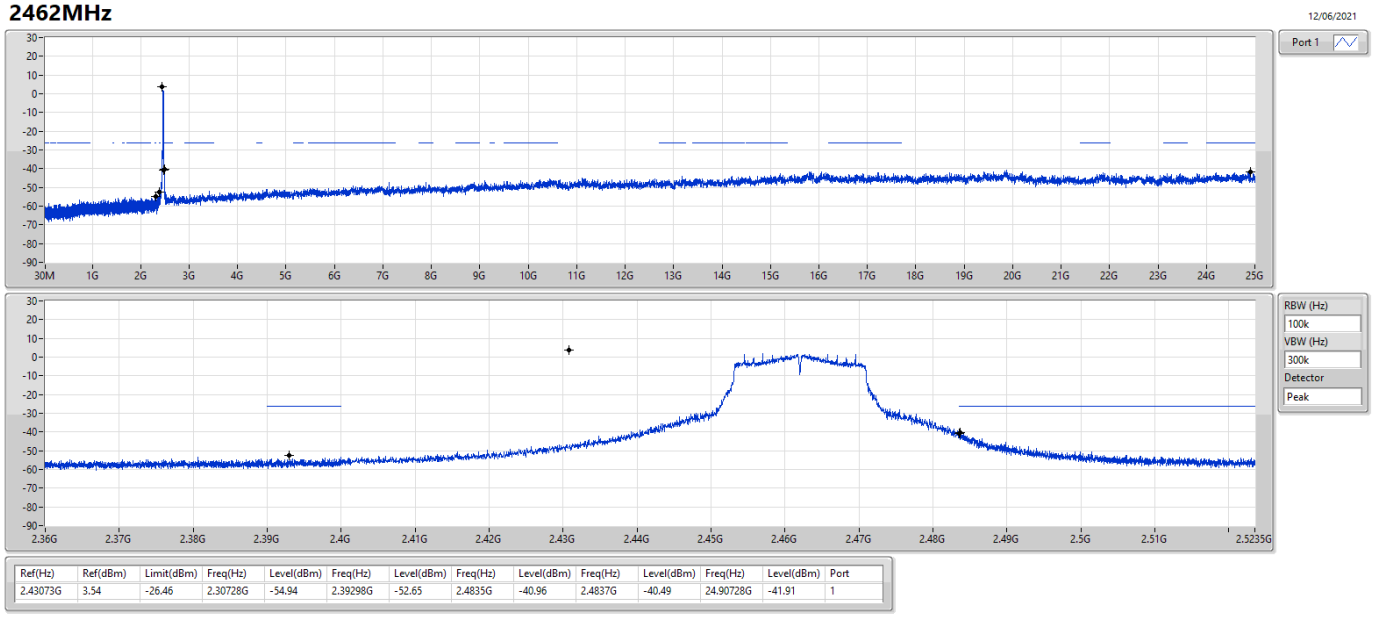
2437MHz



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
2.43073G	3.54	-26.46	1.75333G	-55.31	2.3933G	-46.94	2.4G	-48.27	2.48388G	-52.43	24.51395G	-41.13	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
2.43073G	3.54	-26.46	2.30728G	-54.94	2.39298G	-52.65	2.4835G	-40.96	2.4837G	-40.49	24.90728G	-41.91	1

Summary

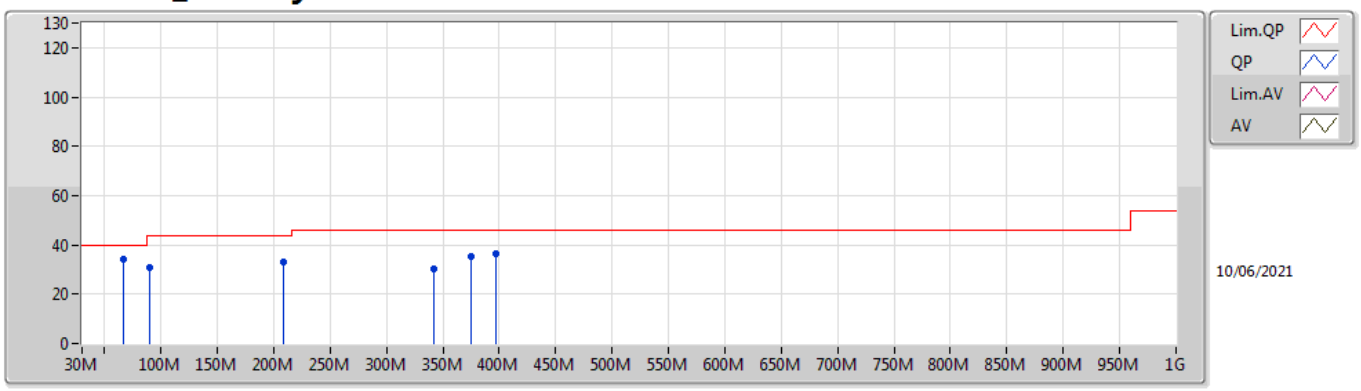
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	PK	66.86M	34.38	40.00	-5.62	3	Vertical	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	66.86M	34.38	40.00	-5.62	3	Vertical	0	1.00	-
2437MHz	Pass	PK	90.14M	31.05	43.50	-12.45	3	Vertical	0	1.00	-
2437MHz	Pass	PK	208.48M	33.10	43.50	-10.40	3	Vertical	0	1.00	-
2437MHz	Pass	PK	342.34M	30.04	46.00	-15.96	3	Vertical	0	1.00	-
2437MHz	Pass	PK	375.32M	35.09	46.00	-10.91	3	Vertical	0	1.00	-
2437MHz	Pass	PK	396.66M	36.60	46.00	-9.40	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	29.01	40.00	-10.99	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	161.92M	30.84	43.50	-12.66	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	270.56M	38.17	46.00	-7.83	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	322.94M	33.67	46.00	-12.33	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	423.82M	38.77	46.00	-7.23	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	724.52M	30.89	46.00	-15.11	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

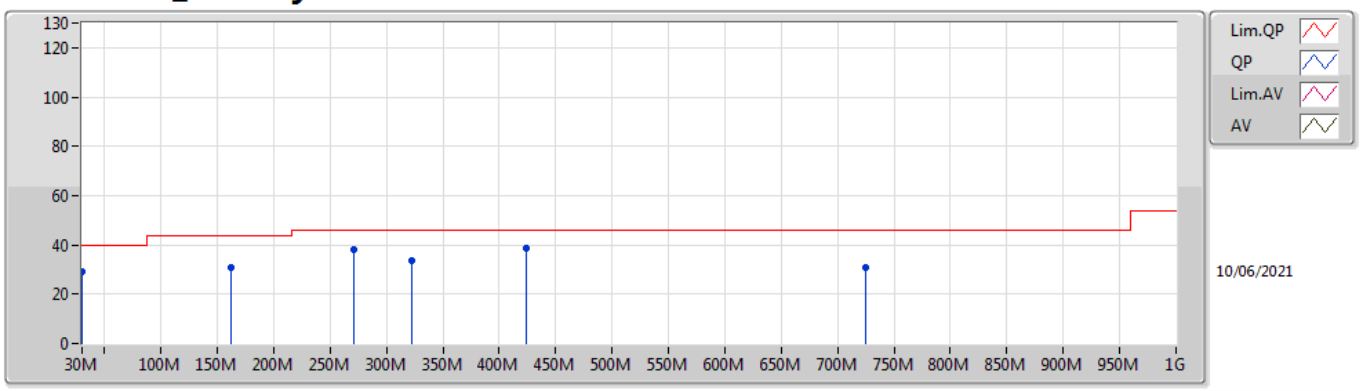
2437MHz_Battery



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	66.86M	34.38	40.00	-5.62	-15.19	3	Vertical	0	1.00	-	49.57	11.44	1.19	27.82
PK	90.14M	31.05	43.50	-12.45	-12.37	3	Vertical	0	1.00	-	43.42	14.08	1.35	27.80
PK	208.48M	33.10	43.50	-10.40	-10.93	3	Vertical	0	1.00	-	44.03	14.33	1.99	27.25
PK	342.34M	30.04	46.00	-15.96	-5.55	3	Vertical	0	1.00	-	35.59	19.21	2.52	27.28
PK	375.32M	35.09	46.00	-10.91	-4.77	3	Vertical	0	1.00	-	39.86	20.11	2.65	27.53
PK	396.66M	36.60	46.00	-9.40	-4.09	3	Vertical	0	1.00	-	40.69	20.88	2.73	27.70

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Battery



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	29.01	40.00	-10.99	-3.03	3	Horizontal	360	1.00	-	32.04	23.32	0.86	27.21
PK	161.92M	30.84	43.50	-12.66	-10.57	3	Horizontal	360	1.00	-	41.41	15.18	1.78	27.53
PK	270.56M	38.17	46.00	-7.83	-6.75	3	Horizontal	360	1.00	-	44.92	18.06	2.24	27.05
PK	322.94M	33.67	46.00	-12.33	-5.92	3	Horizontal	360	1.00	-	39.59	18.80	2.45	27.17
PK	423.82M	38.77	46.00	-7.23	-3.11	3	Horizontal	360	1.00	-	41.88	21.96	2.82	27.89
PK	724.52M	30.89	46.00	-15.11	0.10	3	Horizontal	360	1.00	-	30.79	24.51	3.65	28.06

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	2.3852G	52.64	54.00	-1.36	3	Vertical	38	1.80	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.39G	52.61	54.00	-1.39	3	Vertical	38	1.86	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	52.78	54.00	-1.22	3	Vertical	40	2.57	-

Result

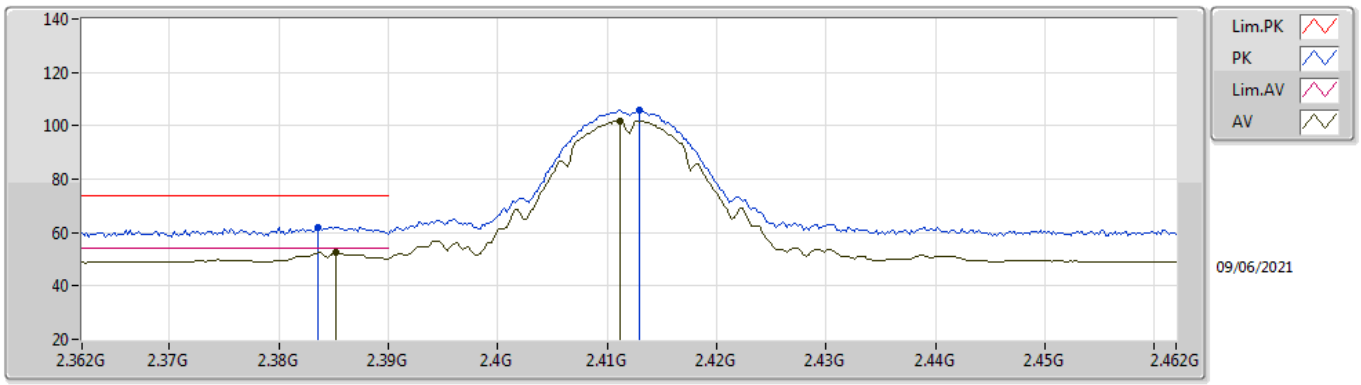
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3852G	52.64	54.00	-1.36	3	Vertical	38	1.80	-
2412MHz	Pass	AV	2.4112G	101.98	Inf	-Inf	3	Vertical	38	1.80	-
2412MHz	Pass	PK	2.3836G	62.13	74.00	-11.87	3	Vertical	38	1.80	-
2412MHz	Pass	PK	2.413G	105.80	Inf	-Inf	3	Vertical	38	1.80	-
2412MHz	Pass	AV	2.3852G	50.75	54.00	-3.25	3	Horizontal	257	1.80	-
2412MHz	Pass	AV	2.4112G	97.82	Inf	-Inf	3	Horizontal	257	1.80	-
2412MHz	Pass	PK	2.3852G	61.41	74.00	-12.59	3	Horizontal	257	1.80	-
2412MHz	Pass	PK	2.411G	101.57	Inf	-Inf	3	Horizontal	257	1.80	-
2412MHz	Pass	AV	4.82397G	38.20	54.00	-15.80	3	Vertical	243	3.00	-
2412MHz	Pass	PK	4.8239G	47.70	74.00	-26.30	3	Vertical	243	3.00	-
2412MHz	Pass	AV	4.82396G	39.79	54.00	-14.21	3	Horizontal	220	2.07	-
2412MHz	Pass	PK	4.82375G	48.32	74.00	-25.68	3	Horizontal	220	2.07	-
2417MHz	Pass	AV	2.39G	51.29	54.00	-2.71	3	Vertical	34	1.03	-
2417MHz	Pass	AV	2.4162G	100.34	Inf	-Inf	3	Vertical	34	1.03	-
2417MHz	Pass	PK	2.3802G	61.29	74.00	-12.71	3	Vertical	34	1.03	-
2417MHz	Pass	PK	2.416G	104.09	Inf	-Inf	3	Vertical	34	1.03	-
2417MHz	Pass	AV	2.39G	50.83	54.00	-3.17	3	Horizontal	34	1.25	-
2417MHz	Pass	AV	2.4162G	100.12	Inf	-Inf	3	Horizontal	34	1.25	-
2417MHz	Pass	PK	2.3898G	62.13	74.00	-11.87	3	Horizontal	34	1.25	-
2417MHz	Pass	PK	2.416G	103.89	Inf	-Inf	3	Horizontal	34	1.25	-
2437MHz	Pass	AV	2.3882G	50.53	54.00	-3.47	3	Vertical	48	1.85	-
2437MHz	Pass	AV	2.4362G	105.08	Inf	-Inf	3	Vertical	48	1.85	-
2437MHz	Pass	AV	2.4858G	49.90	54.00	-4.10	3	Vertical	48	1.85	-
2437MHz	Pass	PK	2.3758G	61.07	74.00	-12.93	3	Vertical	48	1.85	-
2437MHz	Pass	PK	2.4378G	108.96	Inf	-Inf	3	Vertical	48	1.85	-
2437MHz	Pass	PK	2.499G	61.28	74.00	-12.72	3	Vertical	48	1.85	-
2437MHz	Pass	AV	2.3882G	49.80	54.00	-4.20	3	Horizontal	34	1.01	-
2437MHz	Pass	AV	2.4362G	103.01	Inf	-Inf	3	Horizontal	34	1.01	-
2437MHz	Pass	AV	2.4858G	49.70	54.00	-4.30	3	Horizontal	34	1.01	-
2437MHz	Pass	PK	2.387G	61.05	74.00	-12.95	3	Horizontal	34	1.01	-
2437MHz	Pass	PK	2.4378G	106.88	Inf	-Inf	3	Horizontal	34	1.01	-
2437MHz	Pass	PK	2.4882G	60.84	74.00	-13.16	3	Horizontal	34	1.01	-
2437MHz	Pass	AV	4.87396G	33.27	54.00	-20.73	3	Vertical	128	2.76	-
2437MHz	Pass	PK	4.87401G	46.65	74.00	-27.35	3	Vertical	128	2.76	-
2437MHz	Pass	AV	4.87395G	35.99	54.00	-18.01	3	Horizontal	233	1.95	-
2437MHz	Pass	PK	4.87379G	47.07	74.00	-26.93	3	Horizontal	233	1.95	-
2457MHz	Pass	AV	2.4562G	103.23	Inf	-Inf	3	Vertical	44	2.80	-
2457MHz	Pass	AV	2.4836G	51.42	54.00	-2.58	3	Vertical	44	2.80	-
2457MHz	Pass	PK	2.456G	107.02	Inf	-Inf	3	Vertical	44	2.80	-
2457MHz	Pass	PK	2.4842G	62.09	74.00	-11.91	3	Vertical	44	2.80	-
2457MHz	Pass	AV	2.4562G	98.57	Inf	-Inf	3	Horizontal	357	2.37	-
2457MHz	Pass	AV	2.4838G	49.94	54.00	-4.06	3	Horizontal	357	2.37	-
2457MHz	Pass	PK	2.456G	102.32	Inf	-Inf	3	Horizontal	357	2.37	-
2457MHz	Pass	PK	2.484G	61.36	74.00	-12.64	3	Horizontal	357	2.37	-
2462MHz	Pass	AV	2.4612G	103.31	Inf	-Inf	3	Vertical	52	1.80	-
2462MHz	Pass	AV	2.4835G	52.41	54.00	-1.59	3	Vertical	52	1.80	-
2462MHz	Pass	PK	2.463G	107.17	Inf	-Inf	3	Vertical	52	1.80	-
2462MHz	Pass	PK	2.4835G	63.28	74.00	-10.72	3	Vertical	52	1.80	-
2462MHz	Pass	AV	2.4628G	99.54	Inf	-Inf	3	Horizontal	360	2.41	-
2462MHz	Pass	AV	2.4835G	51.70	54.00	-2.30	3	Horizontal	360	2.41	-
2462MHz	Pass	PK	2.463G	103.50	Inf	-Inf	3	Horizontal	360	2.41	-
2462MHz	Pass	PK	2.486G	62.48	74.00	-11.52	3	Horizontal	360	2.41	-
2462MHz	Pass	AV	4.92396G	34.06	54.00	-19.94	3	Vertical	212	1.80	-
2462MHz	Pass	PK	4.92377G	46.86	74.00	-27.14	3	Vertical	212	1.80	-
2462MHz	Pass	AV	4.92396G	37.51	54.00	-16.49	3	Horizontal	211	1.80	-
2462MHz	Pass	PK	4.92389G	47.02	74.00	-26.98	3	Horizontal	211	1.80	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.61	54.00	-1.39	3	Vertical	38	1.86	-
2412MHz	Pass	AV	2.4114G	94.12	Inf	-Inf	3	Vertical	38	1.86	-
2412MHz	Pass	PK	2.3898G	66.54	74.00	-7.46	3	Vertical	38	1.86	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.412G	104.17	Inf	-Inf	3	Vertical	38	1.86	-
2412MHz	Pass	AV	2.39G	51.03	54.00	-2.97	3	Horizontal	256	1.80	-
2412MHz	Pass	AV	2.4114G	91.02	Inf	-Inf	3	Horizontal	256	1.80	-
2412MHz	Pass	PK	2.39G	65.17	74.00	-8.83	3	Horizontal	256	1.80	-
2412MHz	Pass	PK	2.412G	101.16	Inf	-Inf	3	Horizontal	256	1.80	-
2412MHz	Pass	AV	4.81848G	32.18	54.00	-21.82	3	Vertical	360	1.80	-
2412MHz	Pass	PK	4.8336G	46.04	74.00	-27.96	3	Vertical	360	1.80	-
2412MHz	Pass	AV	4.81864G	32.56	54.00	-21.44	3	Horizontal	219	1.37	-
2412MHz	Pass	PK	4.82448G	46.57	74.00	-27.43	3	Horizontal	219	1.37	-
2417MHz	Pass	AV	2.39G	50.66	54.00	-3.34	3	Vertical	37	1.88	-
2417MHz	Pass	AV	2.4164G	95.35	Inf	-Inf	3	Vertical	37	1.88	-
2417MHz	Pass	PK	2.389G	63.56	74.00	-10.44	3	Vertical	37	1.88	-
2417MHz	Pass	PK	2.417G	105.67	Inf	-Inf	3	Vertical	37	1.88	-
2417MHz	Pass	AV	2.39G	49.05	54.00	-4.95	3	Horizontal	255	2.57	-
2417MHz	Pass	AV	2.4164G	91.45	Inf	-Inf	3	Horizontal	255	2.57	-
2417MHz	Pass	PK	2.3802G	61.41	74.00	-12.59	3	Horizontal	255	2.57	-
2417MHz	Pass	PK	2.417G	101.68	Inf	-Inf	3	Horizontal	255	2.57	-
2437MHz	Pass	AV	2.3894G	48.95	54.00	-5.05	3	Vertical	48	1.80	-
2437MHz	Pass	AV	2.4374G	96.47	Inf	-Inf	3	Vertical	48	1.80	-
2437MHz	Pass	AV	2.497G	49.36	54.00	-4.64	3	Vertical	48	1.80	-
2437MHz	Pass	PK	2.3382G	60.95	74.00	-13.05	3	Vertical	48	1.80	-
2437MHz	Pass	PK	2.4386G	106.72	Inf	-Inf	3	Vertical	48	1.80	-
2437MHz	Pass	PK	2.4982G	60.61	74.00	-13.39	3	Vertical	48	1.80	-
2437MHz	Pass	AV	2.3486G	48.75	54.00	-5.25	3	Horizontal	35	1.00	-
2437MHz	Pass	AV	2.4374G	95.23	Inf	-Inf	3	Horizontal	35	1.00	-
2437MHz	Pass	AV	2.499G	49.35	54.00	-4.65	3	Horizontal	35	1.00	-
2437MHz	Pass	PK	2.3446G	60.81	74.00	-13.19	3	Horizontal	35	1.00	-
2437MHz	Pass	PK	2.4386G	105.47	Inf	-Inf	3	Horizontal	35	1.00	-
2437MHz	Pass	PK	2.4846G	61.41	74.00	-12.59	3	Horizontal	35	1.00	-
2437MHz	Pass	AV	4.8814G	32.40	54.00	-21.60	3	Vertical	279	1.70	-
2437MHz	Pass	PK	4.8716G	45.88	74.00	-28.12	3	Vertical	279	1.70	-
2437MHz	Pass	AV	4.8798G	32.74	54.00	-21.26	3	Horizontal	288	2.99	-
2437MHz	Pass	PK	4.86432G	46.62	74.00	-27.38	3	Horizontal	288	2.99	-
2457MHz	Pass	AV	2.4564G	97.40	Inf	-Inf	3	Vertical	39	1.80	-
2457MHz	Pass	AV	2.4835G	51.86	54.00	-2.14	3	Vertical	39	1.80	-
2457MHz	Pass	PK	2.4554G	107.07	Inf	-Inf	3	Vertical	39	1.80	-
2457MHz	Pass	PK	2.4836G	67.04	74.00	-6.96	3	Vertical	39	1.80	-
2457MHz	Pass	AV	2.4564G	93.87	Inf	-Inf	3	Horizontal	357	2.12	-
2457MHz	Pass	AV	2.4835G	50.77	54.00	-3.23	3	Horizontal	357	2.12	-
2457MHz	Pass	PK	2.457G	103.97	Inf	-Inf	3	Horizontal	357	2.12	-
2457MHz	Pass	PK	2.4835G	64.21	74.00	-9.79	3	Horizontal	357	2.12	-
2462MHz	Pass	AV	2.4614G	95.82	Inf	-Inf	3	Vertical	51	1.80	-
2462MHz	Pass	AV	2.4835G	52.27	54.00	-1.73	3	Vertical	51	1.80	-
2462MHz	Pass	PK	2.462G	106.05	Inf	-Inf	3	Vertical	51	1.80	-
2462MHz	Pass	PK	2.4836G	67.81	74.00	-6.19	3	Vertical	51	1.80	-
2462MHz	Pass	AV	2.4626G	92.43	Inf	-Inf	3	Horizontal	357	2.14	-
2462MHz	Pass	AV	2.4835G	51.69	54.00	-2.31	3	Horizontal	357	2.14	-
2462MHz	Pass	PK	2.4634G	102.62	Inf	-Inf	3	Horizontal	357	2.14	-
2462MHz	Pass	PK	2.4838G	65.99	74.00	-8.01	3	Horizontal	357	2.14	-
2462MHz	Pass	AV	4.91432G	32.37	54.00	-21.63	3	Vertical	255	1.75	-
2462MHz	Pass	PK	4.9286G	46.33	74.00	-27.67	3	Vertical	255	1.75	-
2462MHz	Pass	AV	4.9268G	32.37	54.00	-21.63	3	Horizontal	281	1.96	-
2462MHz	Pass	PK	4.91412G	46.49	74.00	-27.51	3	Horizontal	281	1.96	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.78	54.00	-1.22	3	Vertical	40	2.57	-
2412MHz	Pass	AV	2.4116G	94.46	Inf	-Inf	3	Vertical	40	2.57	-
2412MHz	Pass	PK	2.3892G	69.56	74.00	-4.44	3	Vertical	40	2.57	-
2412MHz	Pass	PK	2.4106G	105.69	Inf	-Inf	3	Vertical	40	2.57	-
2412MHz	Pass	AV	2.39G	52.32	54.00	-1.68	3	Horizontal	258	1.80	-
2412MHz	Pass	AV	2.4114G	89.74	Inf	-Inf	3	Horizontal	258	1.80	-
2412MHz	Pass	PK	2.389G	67.62	74.00	-6.38	3	Horizontal	258	1.80	-
2412MHz	Pass	PK	2.4092G	101.09	Inf	-Inf	3	Horizontal	258	1.80	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.81796G	32.06	54.00	-21.94	3	Vertical	218	1.83	-
2412MHz	Pass	PK	4.81656G	46.18	74.00	-27.82	3	Vertical	218	1.83	-
2412MHz	Pass	AV	4.81824G	32.46	54.00	-21.54	3	Horizontal	223	2.11	-
2412MHz	Pass	PK	4.82068G	46.60	74.00	-27.40	3	Horizontal	223	2.11	-
2437MHz	Pass	AV	2.3418G	48.74	54.00	-5.26	3	Vertical	48	2.86	-
2437MHz	Pass	AV	2.4374G	94.67	Inf	-Inf	3	Vertical	48	2.86	-
2437MHz	Pass	AV	2.4974G	49.32	54.00	-4.68	3	Vertical	48	2.86	-
2437MHz	Pass	PK	2.367G	61.55	74.00	-12.45	3	Vertical	48	2.86	-
2437MHz	Pass	PK	2.439G	106.04	Inf	-Inf	3	Vertical	48	2.86	-
2437MHz	Pass	PK	2.4922G	61.14	74.00	-12.86	3	Vertical	48	2.86	-
2437MHz	Pass	AV	2.337G	48.75	54.00	-5.25	3	Horizontal	183	2.58	-
2437MHz	Pass	AV	2.4366G	91.61	Inf	-Inf	3	Horizontal	183	2.58	-
2437MHz	Pass	AV	2.4958G	49.31	54.00	-4.69	3	Horizontal	183	2.58	-
2437MHz	Pass	PK	2.3842G	61.51	74.00	-12.49	3	Horizontal	183	2.58	-
2437MHz	Pass	PK	2.4358G	102.81	Inf	-Inf	3	Horizontal	183	2.58	-
2437MHz	Pass	PK	2.4966G	61.21	74.00	-12.79	3	Horizontal	183	2.58	-
2437MHz	Pass	AV	4.81964G	32.05	54.00	-21.95	3	Vertical	186	2.46	-
2437MHz	Pass	PK	4.8322G	46.07	74.00	-27.93	3	Vertical	186	2.46	-
2437MHz	Pass	AV	4.82048G	32.00	54.00	-22.00	3	Horizontal	220	1.50	-
2437MHz	Pass	PK	4.82176G	45.95	74.00	-28.05	3	Horizontal	220	1.50	-
2457MHz	Pass	AV	2.4564G	95.24	Inf	-Inf	3	Vertical	38	1.80	-
2457MHz	Pass	AV	2.4835G	50.66	54.00	-3.34	3	Vertical	38	1.80	-
2457MHz	Pass	PK	2.4558G	106.36	Inf	-Inf	3	Vertical	38	1.80	-
2457MHz	Pass	PK	2.4836G	63.58	74.00	-10.42	3	Vertical	38	1.80	-
2457MHz	Pass	AV	2.4566G	91.80	Inf	-Inf	3	Horizontal	358	2.37	-
2457MHz	Pass	AV	2.4835G	50.30	54.00	-3.70	3	Horizontal	358	2.37	-
2457MHz	Pass	PK	2.4564G	102.85	Inf	-Inf	3	Horizontal	358	2.37	-
2457MHz	Pass	PK	2.4848G	62.88	74.00	-11.12	3	Horizontal	358	2.37	-
2462MHz	Pass	AV	2.4624G	94.92	Inf	-Inf	3	Vertical	49	1.74	-
2462MHz	Pass	AV	2.4835G	51.42	54.00	-2.58	3	Vertical	49	1.74	-
2462MHz	Pass	PK	2.4628G	106.28	Inf	-Inf	3	Vertical	49	1.74	-
2462MHz	Pass	PK	2.4838G	68.60	74.00	-5.40	3	Vertical	49	1.74	-
2462MHz	Pass	AV	2.4626G	92.16	Inf	-Inf	3	Horizontal	180	2.49	-
2462MHz	Pass	AV	2.4835G	51.11	54.00	-2.89	3	Horizontal	180	2.49	-
2462MHz	Pass	PK	2.463G	103.57	Inf	-Inf	3	Horizontal	180	2.49	-
2462MHz	Pass	PK	2.4835G	66.84	74.00	-7.16	3	Horizontal	180	2.49	-
2462MHz	Pass	AV	4.91436G	32.35	54.00	-21.65	3	Vertical	193	2.11	-
2462MHz	Pass	PK	4.915G	46.81	74.00	-27.19	3	Vertical	193	2.11	-
2462MHz	Pass	AV	4.91428G	32.35	54.00	-21.65	3	Horizontal	133	1.68	-
2462MHz	Pass	PK	4.92016G	46.11	74.00	-27.89	3	Horizontal	133	1.68	-

802.11b_Nss1,(1Mbps)_1TX

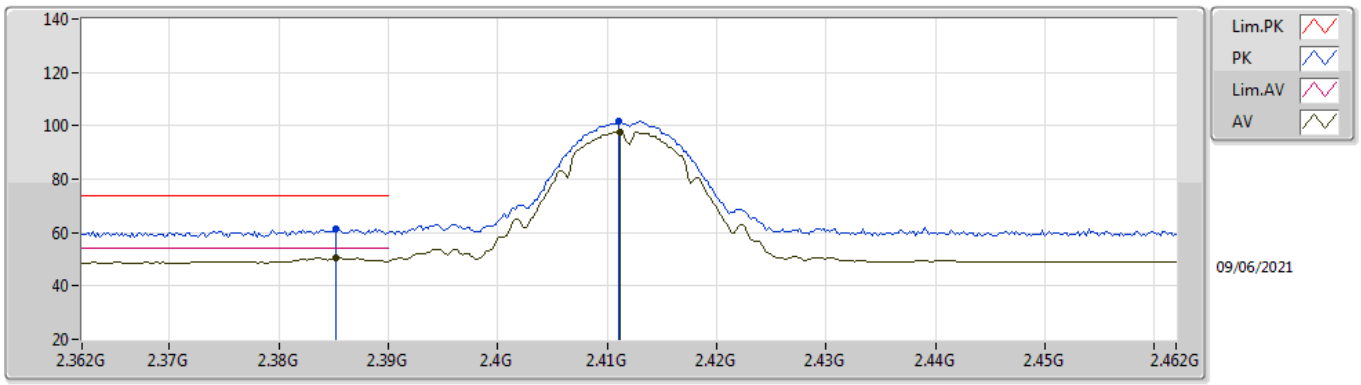
2412MHz_TX



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	2.3852G	52.64	54.00	-1.36	36.72	3	Vertical	38	1.80	-	15.92	29.47	7.25	-
AV	2.4112G	101.98	Inf	-Inf	36.84	3	Vertical	38	1.80	-	65.14	29.57	7.27	-
PK	2.3836G	62.13	74.00	-11.87	36.72	3	Vertical	38	1.80	-	25.41	29.47	7.25	-
PK	2.413G	105.80	Inf	-Inf	36.85	3	Vertical	38	1.80	-	68.95	29.58	7.27	-

802.11b_Nss1,(1Mbps)_1TX

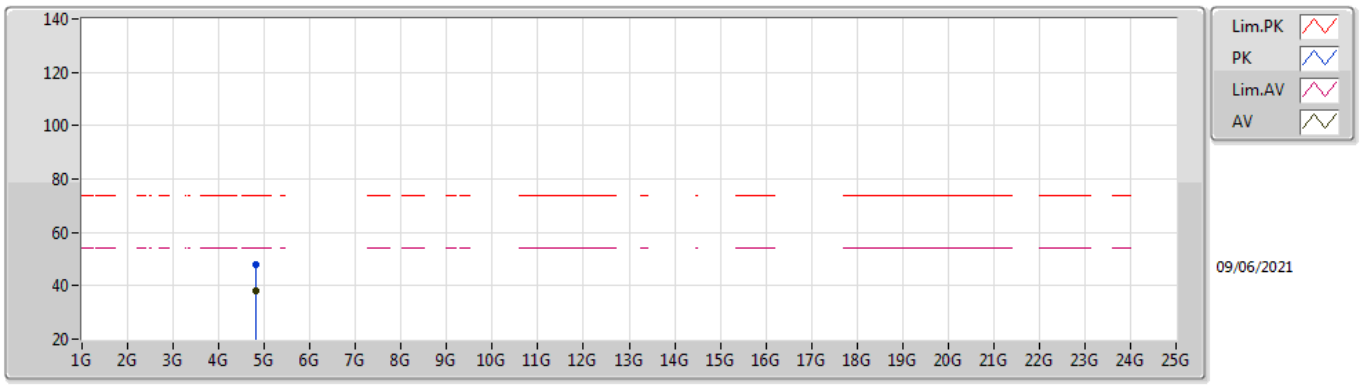
2412MHz_TX



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	2.3852G	50.75	54.00	-3.25	36.72	3	Horizontal	257	1.80	-	14.03	29.47	7.25	-
AV	2.4112G	97.82	Inf	-Inf	36.84	3	Horizontal	257	1.80	-	60.98	29.57	7.27	-
PK	2.3852G	61.41	74.00	-12.59	36.72	3	Horizontal	257	1.80	-	24.69	29.47	7.25	-
PK	2.411G	101.57	Inf	-Inf	36.84	3	Horizontal	257	1.80	-	64.73	29.57	7.27	-

802.11b_Nss1,(1Mbps)_1TX

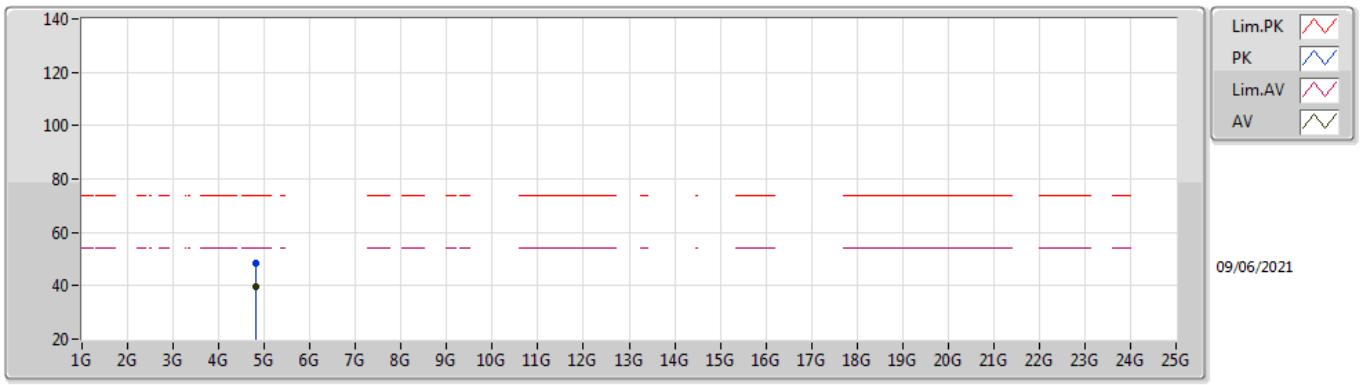
2412MHz_TX



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	4.82397G	38.20	54.00	-15.80	8.14	3	Vertical	243	3.00	-	30.06	33.50	8.92	34.28
PK	4.8239G	47.70	74.00	-26.30	8.14	3	Vertical	243	3.00	-	39.56	33.50	8.92	34.28

802.11b_Nss1,(1Mbps)_1TX

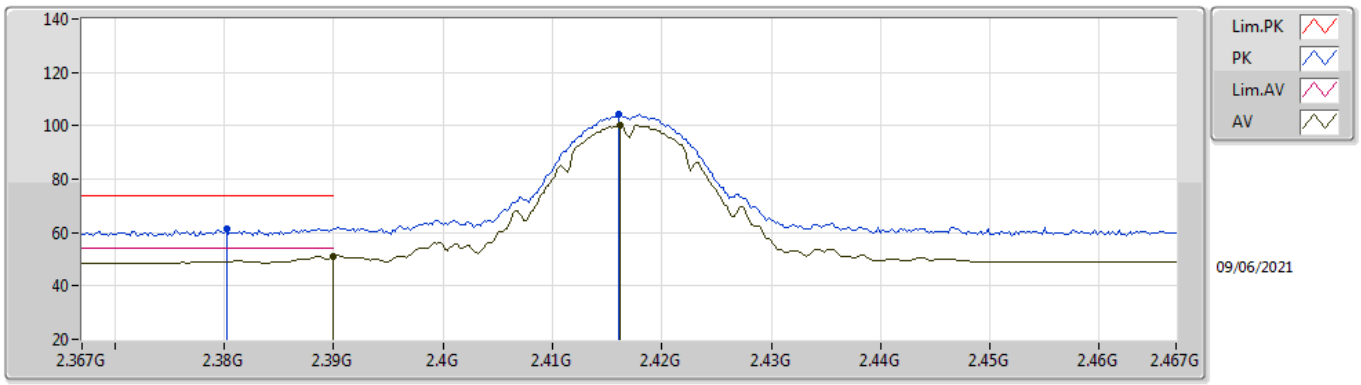
2412MHz_TX



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	4.82396G	39.79	54.00	-14.21	8.14	3	Horizontal	220	2.07	-	31.65	33.50	8.92	34.28
PK	4.82375G	48.32	74.00	-25.68	8.14	3	Horizontal	220	2.07	-	40.18	33.50	8.92	34.28

802.11b_Nss1,(1Mbps)_1TX

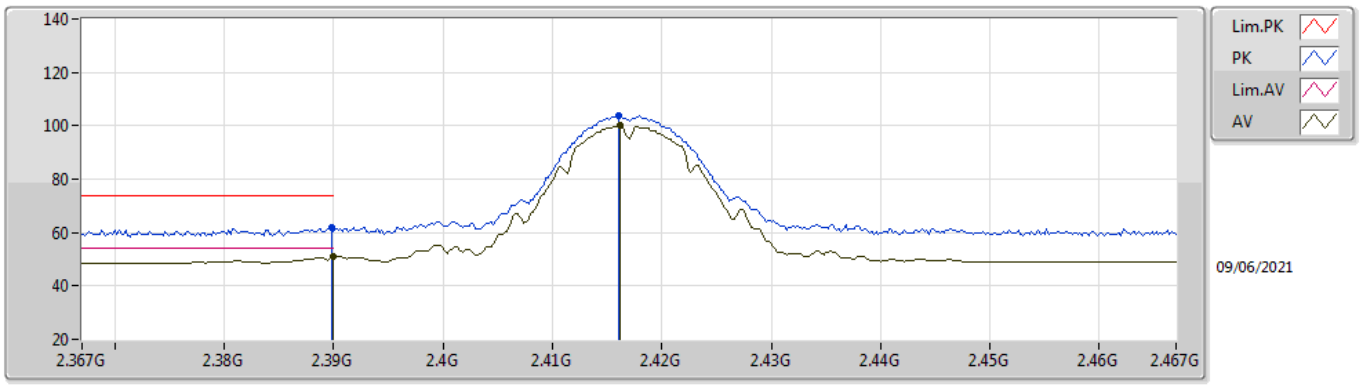
2417MHz_TX



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	51.29	54.00	-2.71	36.74	3	Vertical	34	1.03	-	14.55	29.48	7.26	-
AV	2.4162G	100.34	Inf	-Inf	36.87	3	Vertical	34	1.03	-	63.47	29.60	7.27	-
PK	2.3802G	61.29	74.00	-12.71	36.71	3	Vertical	34	1.03	-	24.58	29.46	7.25	-
PK	2.416G	104.09	Inf	-Inf	36.87	3	Vertical	34	1.03	-	67.22	29.60	7.27	-

802.11b_Nss1,(1Mbps)_1TX

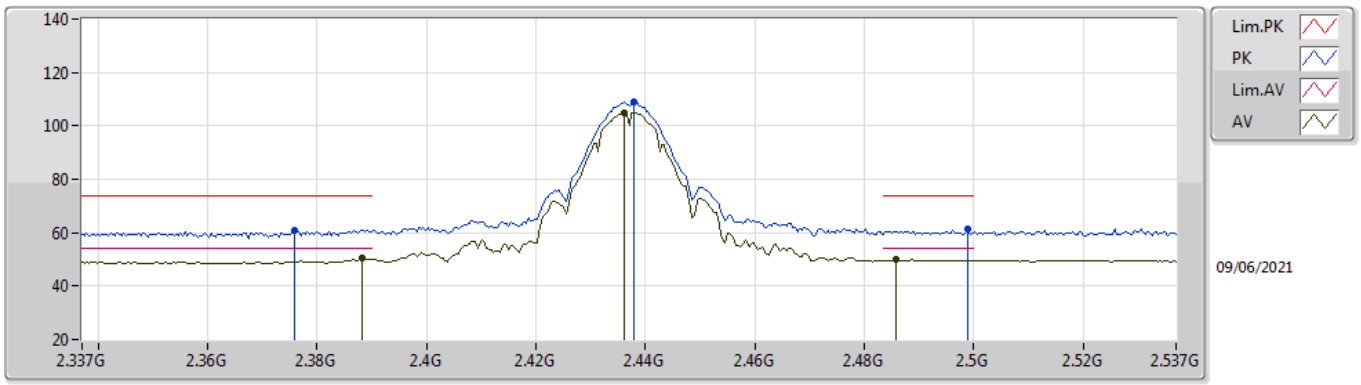
2417MHz_TX



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	50.83	54.00	-3.17	36.74	3	Horizontal	34	1.25	-	14.09	29.48	7.26	-
AV	2.4162G	100.12	Inf	-Inf	36.87	3	Horizontal	34	1.25	-	63.25	29.60	7.27	-
PK	2.3898G	62.13	74.00	-11.87	36.74	3	Horizontal	34	1.25	-	25.39	29.48	7.26	-
PK	2.416G	103.89	Inf	-Inf	36.87	3	Horizontal	34	1.25	-	67.02	29.60	7.27	-

802.11b_Nss1,(1Mbps)_1TX

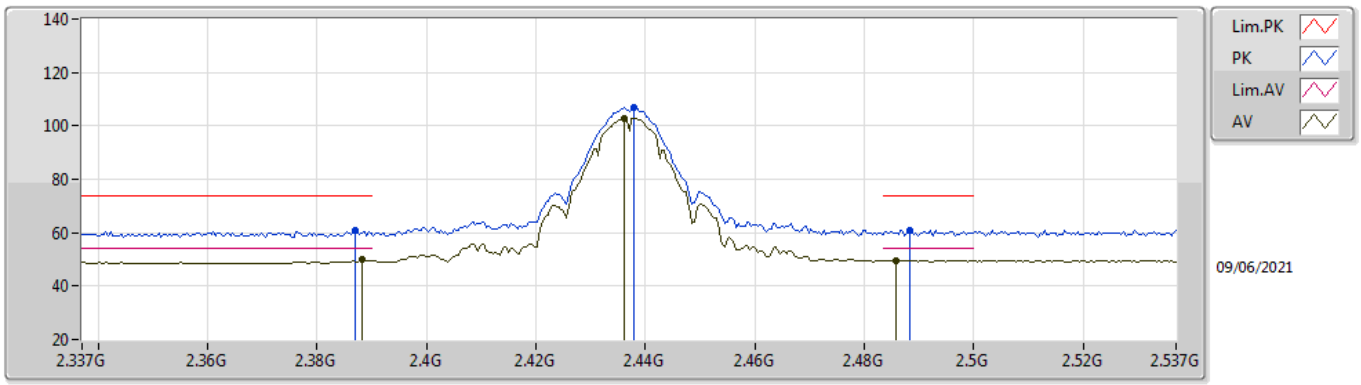
2437MHz_TX



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	2.3882G	50.53	54.00	-3.47	36.73	3	Vertical	48	1.85	-	13.80	29.48	7.25	-
AV	2.4362G	105.08	Inf	-Inf	37.01	3	Vertical	48	1.85	-	68.07	29.72	7.29	-
AV	2.4858G	49.90	54.00	-4.10	37.34	3	Vertical	48	1.85	-	12.56	30.01	7.33	-
PK	2.3758G	61.07	74.00	-12.93	36.70	3	Vertical	48	1.85	-	24.37	29.45	7.25	-
PK	2.4378G	108.96	Inf	-Inf	37.02	3	Vertical	48	1.85	-	71.94	29.73	7.29	-
PK	2.499G	61.28	74.00	-12.72	37.43	3	Vertical	48	1.85	-	23.85	30.09	7.34	-

802.11b_Nss1,(1Mbps)_1TX

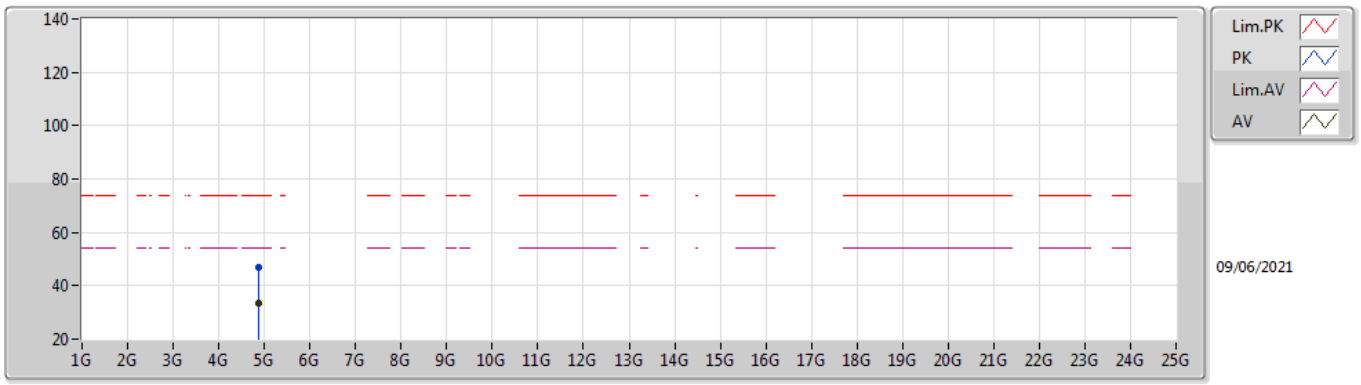
2437MHz_TX



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	2.3882G	49.80	54.00	-4.20	36.73	3	Horizontal	34	1.01	-	13.07	29.48	7.25	-
AV	2.4362G	103.01	Inf	-Inf	37.01	3	Horizontal	34	1.01	-	66.00	29.72	7.29	-
AV	2.4858G	49.70	54.00	-4.30	37.34	3	Horizontal	34	1.01	-	12.36	30.01	7.33	-
PK	2.387G	61.05	74.00	-12.95	36.72	3	Horizontal	34	1.01	-	24.33	29.47	7.25	-
PK	2.4378G	106.88	Inf	-Inf	37.02	3	Horizontal	34	1.01	-	69.86	29.73	7.29	-
PK	2.4882G	60.84	74.00	-13.16	37.36	3	Horizontal	34	1.01	-	23.48	30.03	7.33	-

802.11b_Nss1,(1Mbps)_1TX

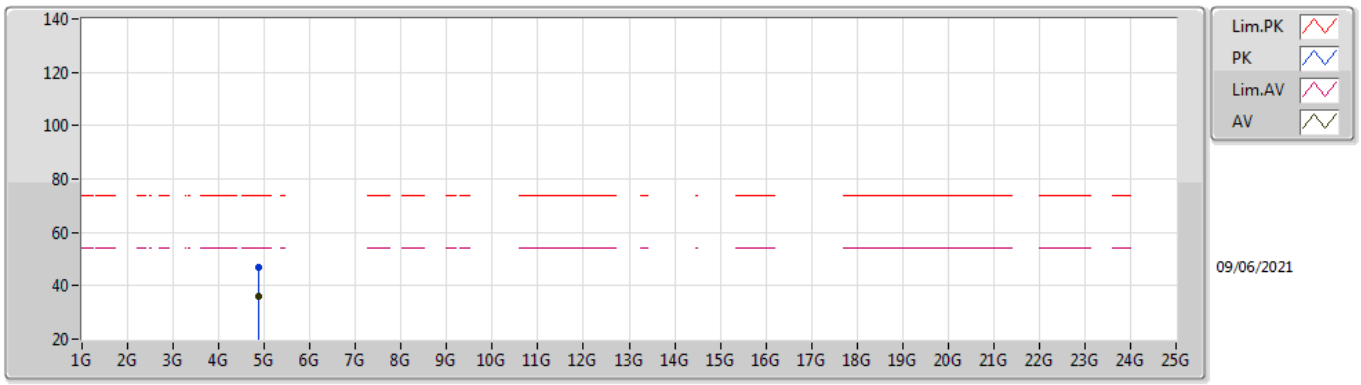
2437MHz_TX



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	4.87396G	33.27	54.00	-20.73	8.34	3	Vertical	128	2.76	-	24.93	33.64	8.96	34.26
PK	4.87401G	46.65	74.00	-27.35	8.34	3	Vertical	128	2.76	-	38.31	33.64	8.96	34.26

802.11b_Nss1,(1Mbps)_1TX

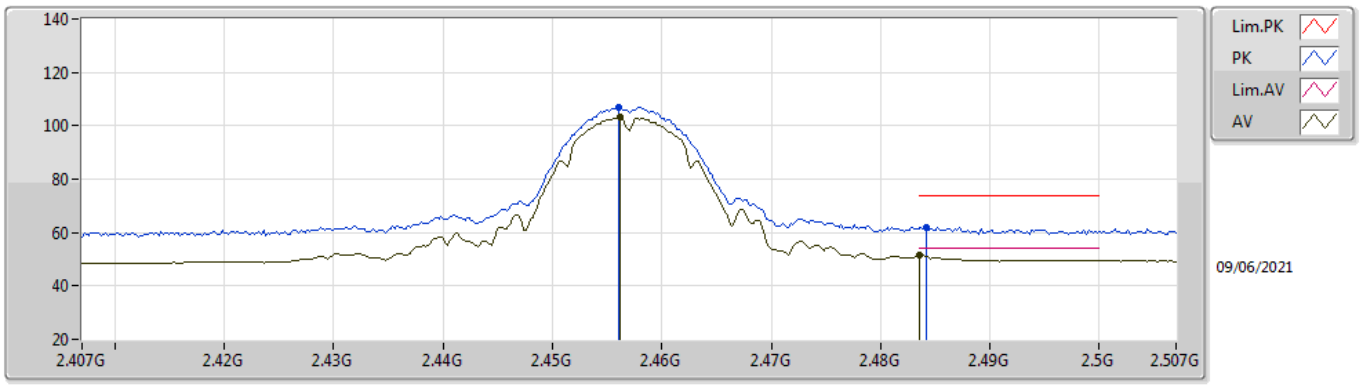
2437MHz_TX



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	4.87395G	35.99	54.00	-18.01	8.34	3	Horizontal	233	1.95	-	27.65	33.64	8.96	34.26
PK	4.87379G	47.07	74.00	-26.93	8.34	3	Horizontal	233	1.95	-	38.73	33.64	8.96	34.26

802.11b_Nss1,(1Mbps)_1TX

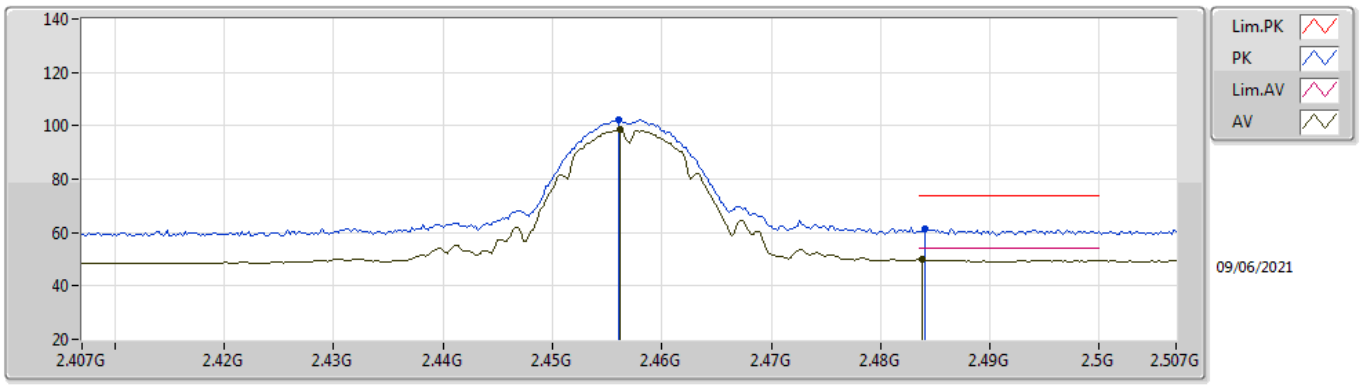
2457MHz_TX



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	2.4562G	103.23	Inf	-Inf	37.14	3	Vertical	44	2.80	-	66.09	29.84	7.30	-
AV	2.4836G	51.42	54.00	-2.58	37.33	3	Vertical	44	2.80	-	14.09	30.00	7.33	-
PK	2.456G	107.02	Inf	-Inf	37.14	3	Vertical	44	2.80	-	69.88	29.84	7.30	-
PK	2.4842G	62.09	74.00	-11.91	37.34	3	Vertical	44	2.80	-	24.75	30.01	7.33	-

802.11b_Nss1,(1Mbps)_1TX

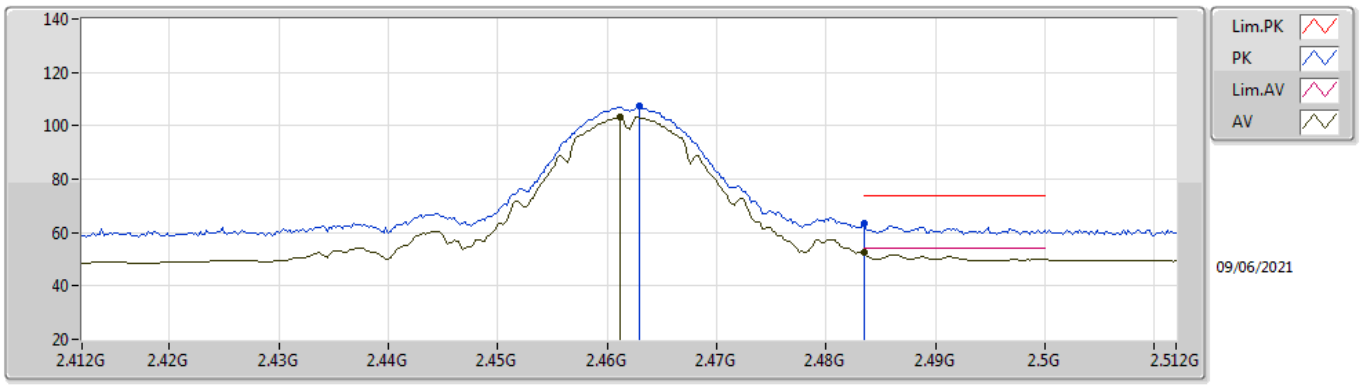
2457MHz_TX



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	2.4562G	98.57	Inf	-Inf	37.14	3	Horizontal	357	2.37	-	61.43	29.84	7.30	-
AV	2.4838G	49.94	54.00	-4.06	37.33	3	Horizontal	357	2.37	-	12.61	30.00	7.33	-
PK	2.456G	102.32	Inf	-Inf	37.14	3	Horizontal	357	2.37	-	65.18	29.84	7.30	-
PK	2.484G	61.36	74.00	-12.64	37.33	3	Horizontal	357	2.37	-	24.03	30.00	7.33	-

802.11b_Nss1,(1Mbps)_1TX

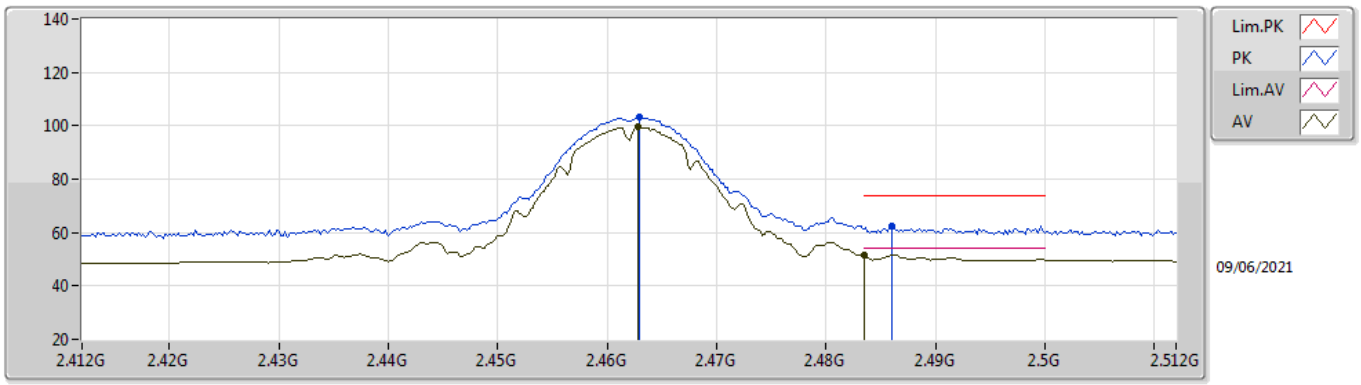
2462MHz_TX



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	2.4612G	103.31	Inf	-Inf	37.18	3	Vertical	52	1.80	-	66.13	29.87	7.31	-
AV	2.4835G	52.41	54.00	-1.59	37.33	3	Vertical	52	1.80	-	15.08	30.00	7.33	-
PK	2.463G	107.17	Inf	-Inf	37.19	3	Vertical	52	1.80	-	69.98	29.88	7.31	-
PK	2.4835G	63.28	74.00	-10.72	37.33	3	Vertical	52	1.80	-	25.95	30.00	7.33	-

802.11b_Nss1,(1Mbps)_1TX

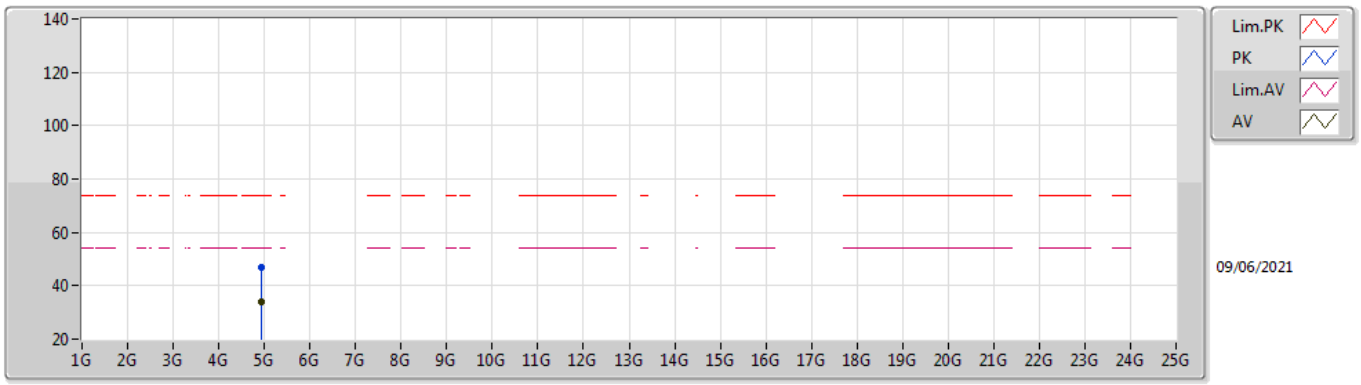
2462MHz_TX



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	2.4628G	99.54	Inf	-Inf	37.19	3	Horizontal	360	2.41	-	62.35	29.88	7.31	-
AV	2.4835G	51.70	54.00	-2.30	37.33	3	Horizontal	360	2.41	-	14.37	30.00	7.33	-
PK	2.463G	103.50	Inf	-Inf	37.19	3	Horizontal	360	2.41	-	66.31	29.88	7.31	-
PK	2.486G	62.48	74.00	-11.52	37.35	3	Horizontal	360	2.41	-	25.13	30.02	7.33	-

802.11b_Nss1,(1Mbps)_1TX

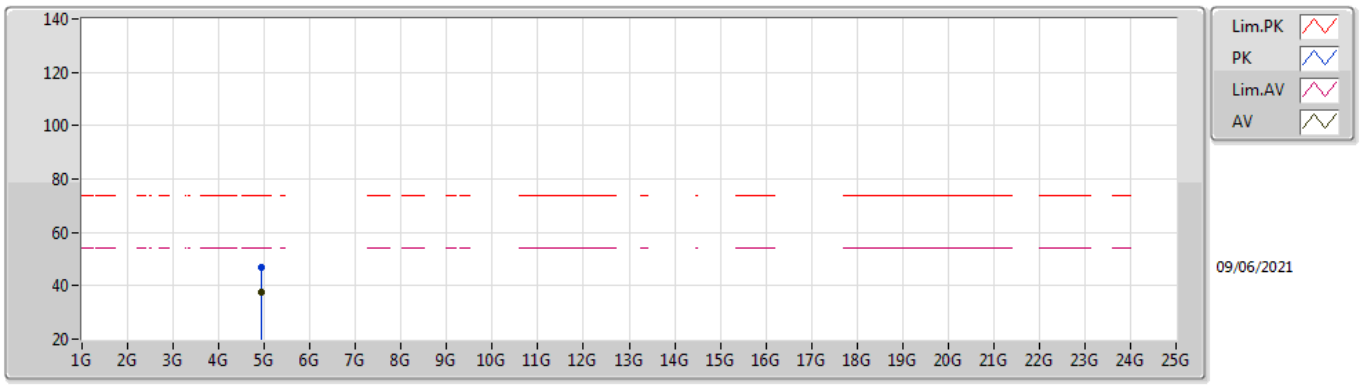
2462MHz_TX



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	4.92396G	34.06	54.00	-19.94	8.44	3	Vertical	212	1.80	-	25.62	33.70	8.99	34.25
PK	4.92377G	46.86	74.00	-27.14	8.44	3	Vertical	212	1.80	-	38.42	33.70	8.99	34.25

802.11b_Nss1,(1Mbps)_1TX

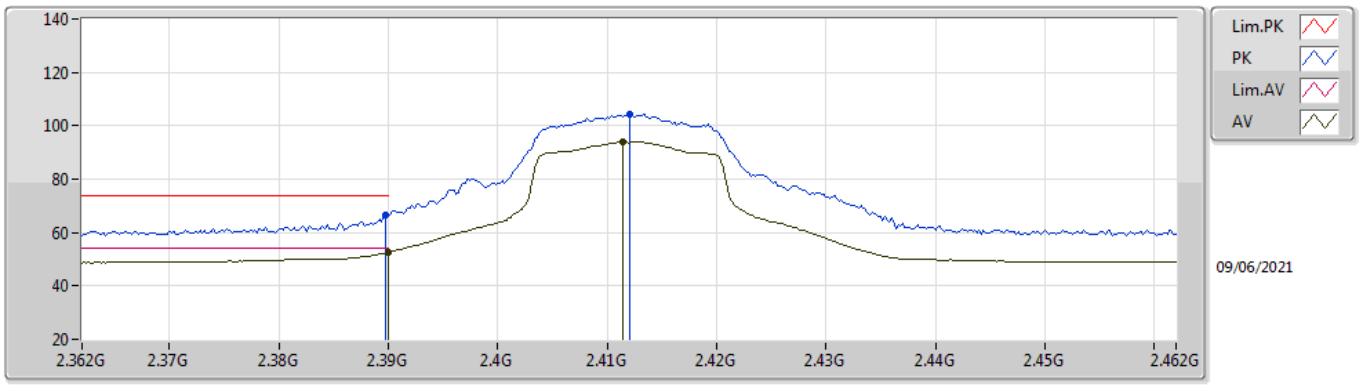
2462MHz_TX



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	4.92396G	37.51	54.00	-16.49	8.44	3	Horizontal	211	1.80	-	29.07	33.70	8.99	34.25
PK	4.92389G	47.02	74.00	-26.98	8.44	3	Horizontal	211	1.80	-	38.58	33.70	8.99	34.25

802.11g_Nss1,(6Mbps)_1TX

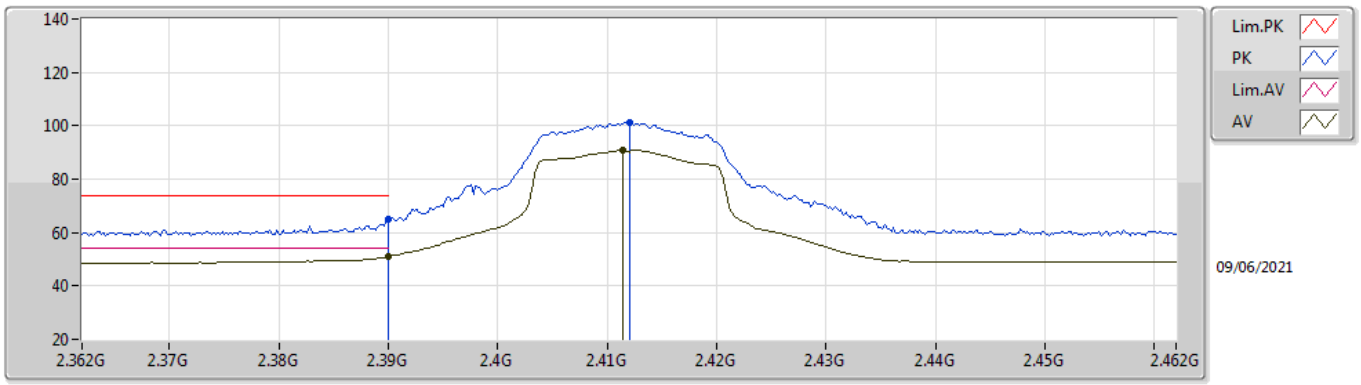
2412MHz_TX



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	52.61	54.00	-1.39	36.74	3	Vertical	38	1.86	-	15.87	29.48	7.26	-
AV	2.4114G	94.12	Inf	-Inf	36.84	3	Vertical	38	1.86	-	57.28	29.57	7.27	-
PK	2.3898G	66.54	74.00	-7.46	36.74	3	Vertical	38	1.86	-	29.80	29.48	7.26	-
PK	2.412G	104.17	Inf	-Inf	36.84	3	Vertical	38	1.86	-	67.33	29.57	7.27	-

802.11g_Nss1,(6Mbps)_1TX

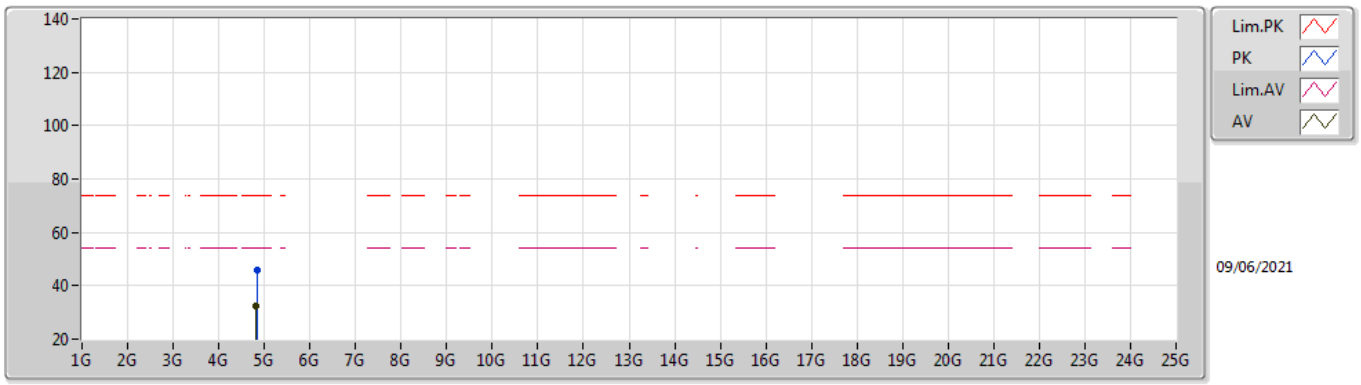
2412MHz_TX



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	51.03	54.00	-2.97	36.74	3	Horizontal	256	1.80	-	14.29	29.48	7.26	-
AV	2.4114G	91.02	Inf	-Inf	36.84	3	Horizontal	256	1.80	-	54.18	29.57	7.27	-
PK	2.39G	65.17	74.00	-8.83	36.74	3	Horizontal	256	1.80	-	28.43	29.48	7.26	-
PK	2.412G	101.16	Inf	-Inf	36.84	3	Horizontal	256	1.80	-	64.32	29.57	7.27	-

802.11g_Nss1,(6Mbps)_1TX

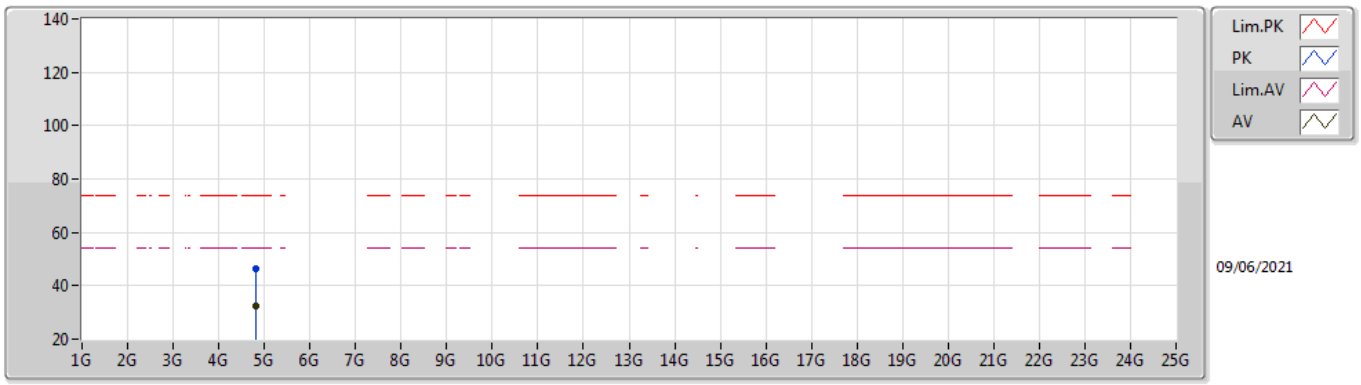
2412MHz_TX



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	4.81848G	32.18	54.00	-21.82	8.13	3	Vertical	360	1.80	-	24.05	33.50	8.91	34.28
PK	4.8336G	46.04	74.00	-27.96	8.15	3	Vertical	360	1.80	-	37.89	33.50	8.93	34.28

802.11g_Nss1,(6Mbps)_1TX

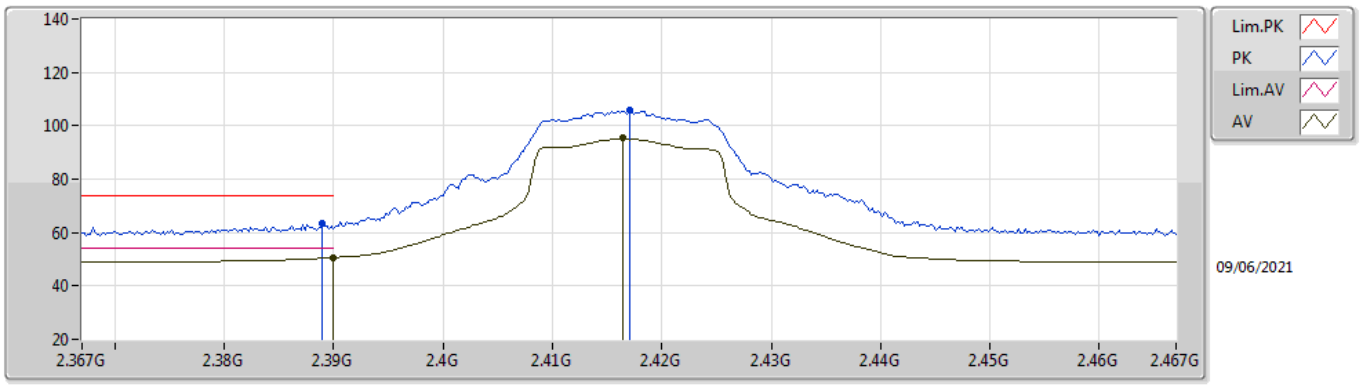
2412MHz_TX



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	4.81864G	32.56	54.00	-21.44	8.13	3	Horizontal	219	1.37	-	24.43	33.50	8.91	34.28
PK	4.82448G	46.57	74.00	-27.43	8.14	3	Horizontal	219	1.37	-	38.43	33.50	8.92	34.28

802.11g_Nss1,(6Mbps)_1TX

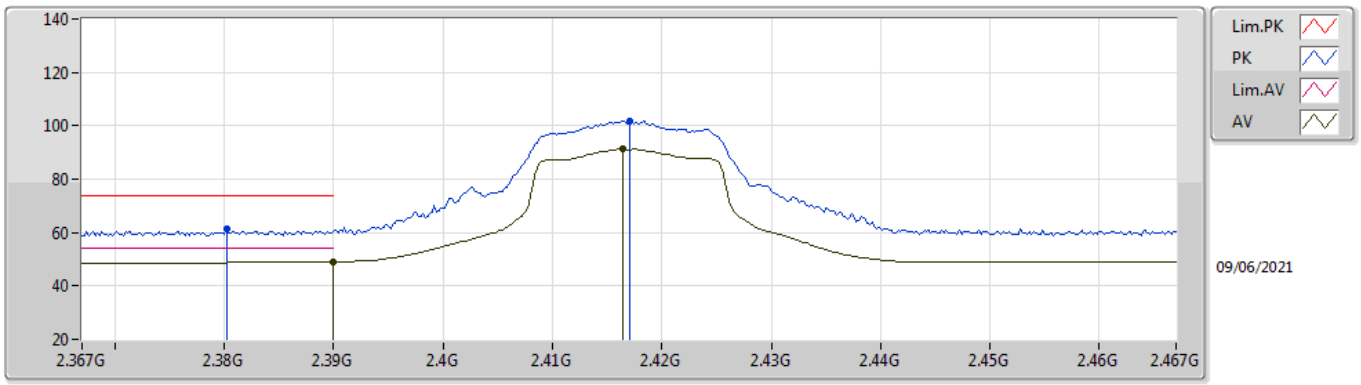
2417MHz_TX



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	50.66	54.00	-3.34	36.74	3	Vertical	37	1.88	-	13.92	29.48	7.26	-
AV	2.4164G	95.35	Inf	-Inf	36.87	3	Vertical	37	1.88	-	58.48	29.60	7.27	-
PK	2.389G	63.56	74.00	-10.44	36.74	3	Vertical	37	1.88	-	26.82	29.48	7.26	-
PK	2.417G	105.67	Inf	-Inf	36.87	3	Vertical	37	1.88	-	68.80	29.60	7.27	-

802.11g_Nss1,(6Mbps)_1TX

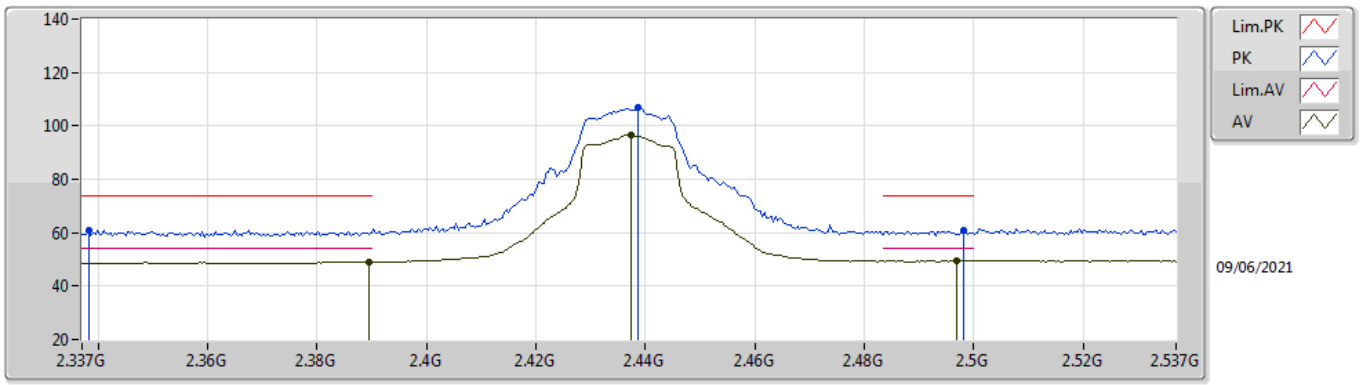
2417MHz_TX



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	49.05	54.00	-4.95	36.74	3	Horizontal	255	2.57	-	12.31	29.48	7.26	-
AV	2.4164G	91.45	Inf	-Inf	36.87	3	Horizontal	255	2.57	-	54.58	29.60	7.27	-
PK	2.3802G	61.41	74.00	-12.59	36.71	3	Horizontal	255	2.57	-	24.70	29.46	7.25	-
PK	2.417G	101.68	Inf	-Inf	36.87	3	Horizontal	255	2.57	-	64.81	29.60	7.27	-

802.11g_Nss1,(6Mbps)_1TX

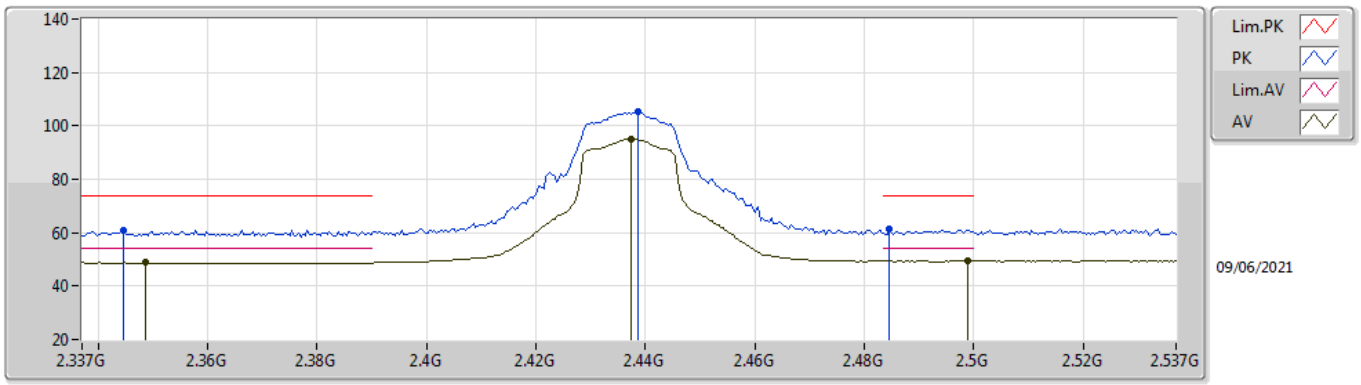
2437MHz_TX



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	2.3894G	48.95	54.00	-5.05	36.74	3	Vertical	48	1.80	-	12.21	29.48	7.26	-
AV	2.4374G	96.47	Inf	-Inf	37.01	3	Vertical	48	1.80	-	59.46	29.72	7.29	-
AV	2.497G	49.36	54.00	-4.64	37.42	3	Vertical	48	1.80	-	11.94	30.08	7.34	-
PK	2.3382G	60.95	74.00	-13.05	36.65	3	Vertical	48	1.80	-	24.30	29.42	7.23	-
PK	2.4386G	106.72	Inf	-Inf	37.02	3	Vertical	48	1.80	-	69.70	29.73	7.29	-
PK	2.4982G	60.61	74.00	-13.39	37.43	3	Vertical	48	1.80	-	23.18	30.09	7.34	-

802.11g_Nss1,(6Mbps)_1TX

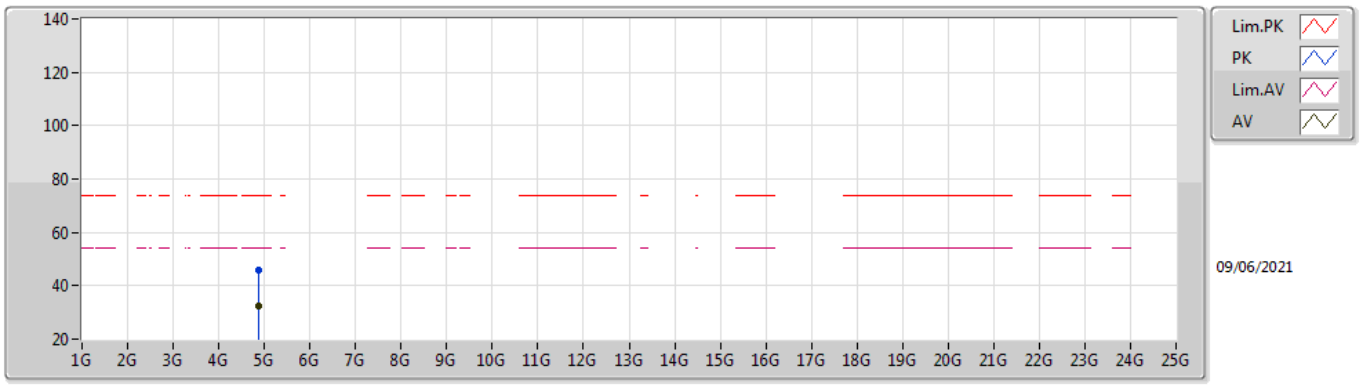
2437MHz_TX



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	2.3486G	48.75	54.00	-5.25	36.64	3	Horizontal	35	1.00	-	12.11	29.40	7.24	-
AV	2.4374G	95.23	Inf	-Inf	37.01	3	Horizontal	35	1.00	-	58.22	29.72	7.29	-
AV	2.499G	49.35	54.00	-4.65	37.43	3	Horizontal	35	1.00	-	11.92	30.09	7.34	-
PK	2.3446G	60.81	74.00	-13.19	36.65	3	Horizontal	35	1.00	-	24.16	29.41	7.24	-
PK	2.4386G	105.47	Inf	-Inf	37.02	3	Horizontal	35	1.00	-	68.45	29.73	7.29	-
PK	2.4846G	61.41	74.00	-12.59	37.34	3	Horizontal	35	1.00	-	24.07	30.01	7.33	-

802.11g_Nss1,(6Mbps)_1TX

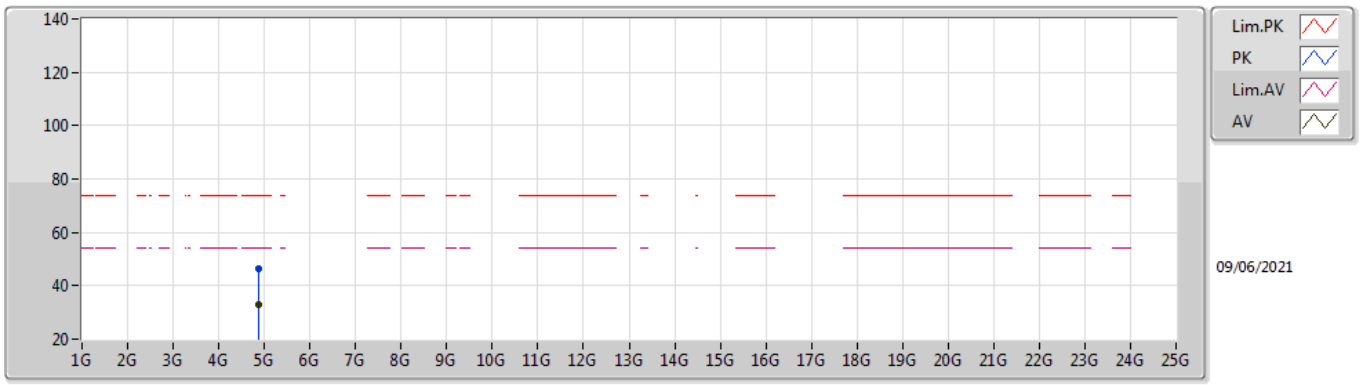
2437MHz_TX



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	4.8814G	32.40	54.00	-21.60	8.39	3	Vertical	279	1.70	-	24.01	33.69	8.96	34.26
PK	4.8716G	45.88	74.00	-28.12	8.32	3	Vertical	279	1.70	-	37.56	33.63	8.95	34.26

802.11g_Nss1,(6Mbps)_1TX

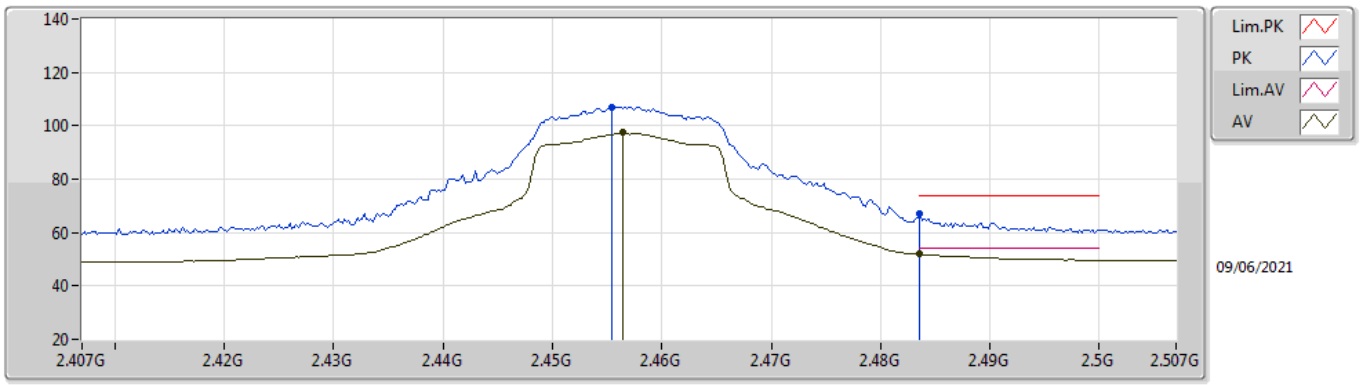
2437MHz_TX



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	4.8798G	32.74	54.00	-21.26	8.38	3	Horizontal	288	2.99	-	24.36	33.68	8.96	34.26
PK	4.86432G	46.62	74.00	-27.38	8.27	3	Horizontal	288	2.99	-	38.35	33.59	8.95	34.27

802.11g_Nss1,(6Mbps)_1TX

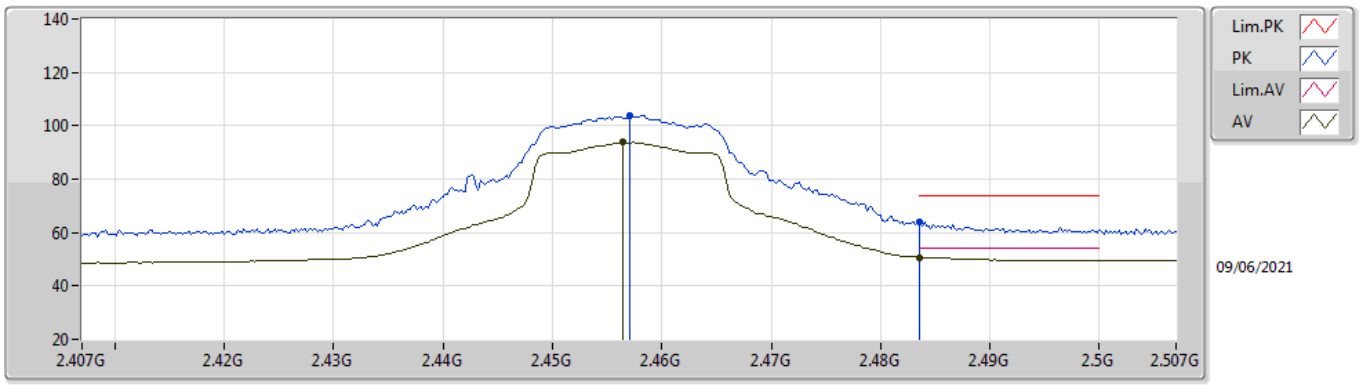
2457MHz_TX



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	2.4564G	97.40	Inf	-Inf	37.15	3	Vertical	39	1.80	-	60.25	29.84	7.31	-
AV	2.4835G	51.86	54.00	-2.14	37.33	3	Vertical	39	1.80	-	14.53	30.00	7.33	-
PK	2.4554G	107.07	Inf	-Inf	37.13	3	Vertical	39	1.80	-	69.94	29.83	7.30	-
PK	2.4836G	67.04	74.00	-6.96	37.33	3	Vertical	39	1.80	-	29.71	30.00	7.33	-

802.11g_Nss1,(6Mbps)_1TX

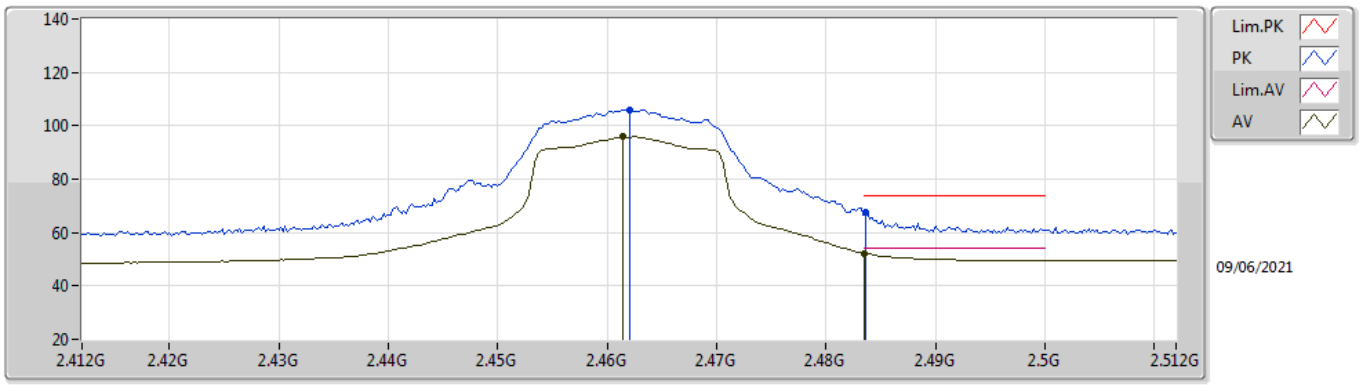
2457MHz_TX



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	2.4564G	93.87	Inf	-Inf	37.15	3	Horizontal	357	2.12	-	56.72	29.84	7.31	-
AV	2.4835G	50.77	54.00	-3.23	37.33	3	Horizontal	357	2.12	-	13.44	30.00	7.33	-
PK	2.457G	103.97	Inf	-Inf	37.15	3	Horizontal	357	2.12	-	66.82	29.84	7.31	-
PK	2.4835G	64.21	74.00	-9.79	37.33	3	Horizontal	357	2.12	-	26.88	30.00	7.33	-

802.11g_Nss1,(6Mbps)_1TX

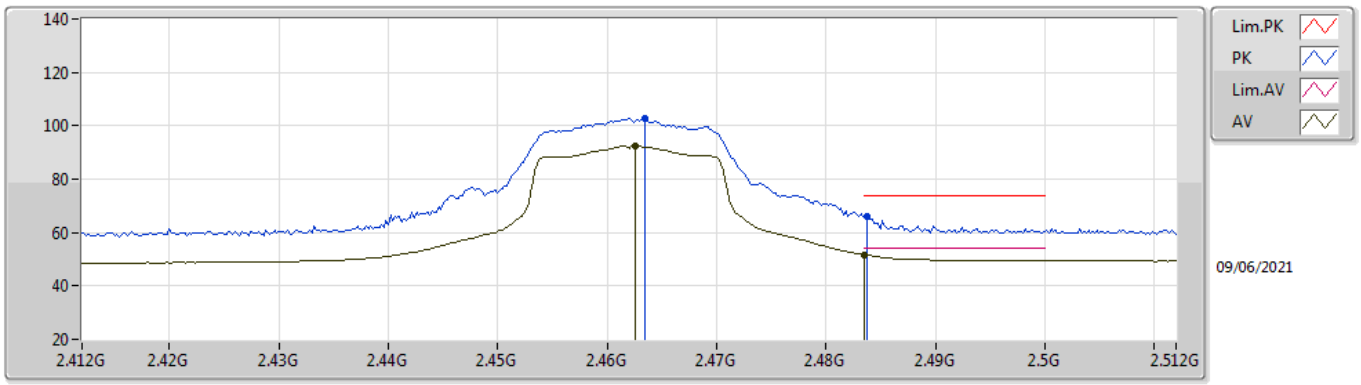
2462MHz_TX



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	2.4614G	95.82	Inf	-Inf	37.18	3	Vertical	51	1.80	-	58.64	29.87	7.31	-
AV	2.4835G	52.27	54.00	-1.73	37.33	3	Vertical	51	1.80	-	14.94	30.00	7.33	-
PK	2.462G	106.05	Inf	-Inf	37.18	3	Vertical	51	1.80	-	68.87	29.87	7.31	-
PK	2.4836G	67.81	74.00	-6.19	37.33	3	Vertical	51	1.80	-	30.48	30.00	7.33	-

802.11g_Nss1,(6Mbps)_1TX

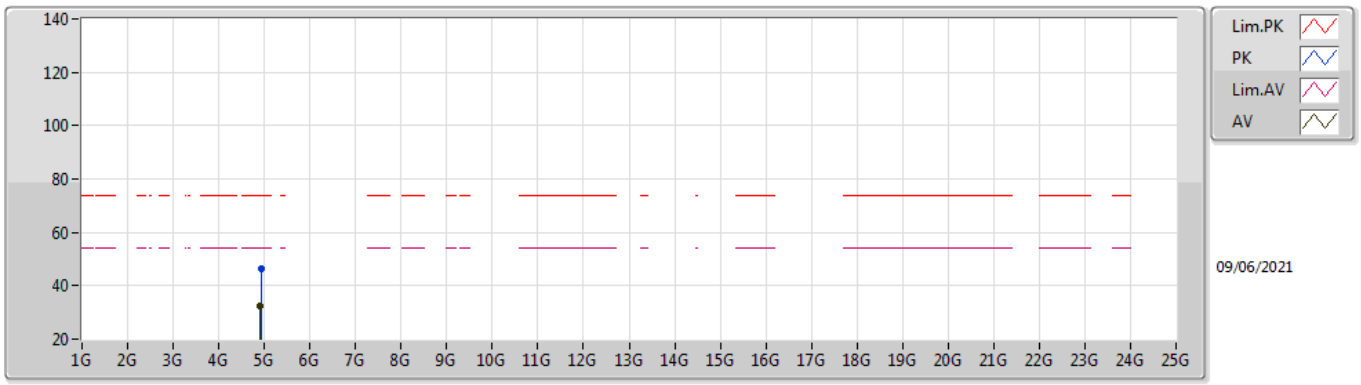
2462MHz_TX



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	2.4626G	92.43	Inf	-Inf	37.19	3	Horizontal	357	2.14	-	55.24	29.88	7.31	-
AV	2.4835G	51.69	54.00	-2.31	37.33	3	Horizontal	357	2.14	-	14.36	30.00	7.33	-
PK	2.4634G	102.62	Inf	-Inf	37.19	3	Horizontal	357	2.14	-	65.43	29.88	7.31	-
PK	2.4838G	65.99	74.00	-8.01	37.33	3	Horizontal	357	2.14	-	28.66	30.00	7.33	-

802.11g_Nss1,(6Mbps)_1TX

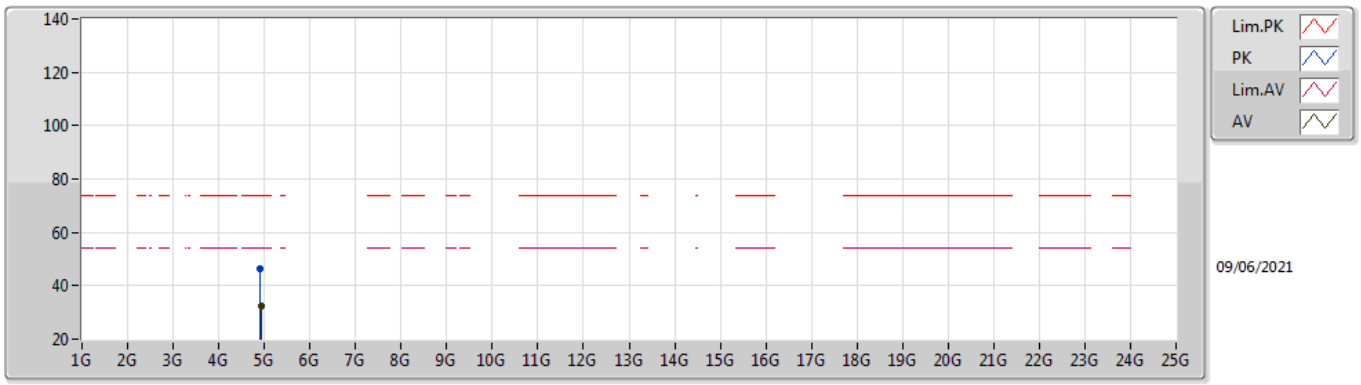
2462MHz_TX



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	4.91432G	32.37	54.00	-21.63	8.48	3	Vertical	255	1.75	-	23.89	33.74	8.99	34.25
PK	4.9286G	46.33	74.00	-27.67	8.45	3	Vertical	255	1.75	-	37.88	33.69	9.00	34.24

802.11g_Nss1,(6Mbps)_1TX

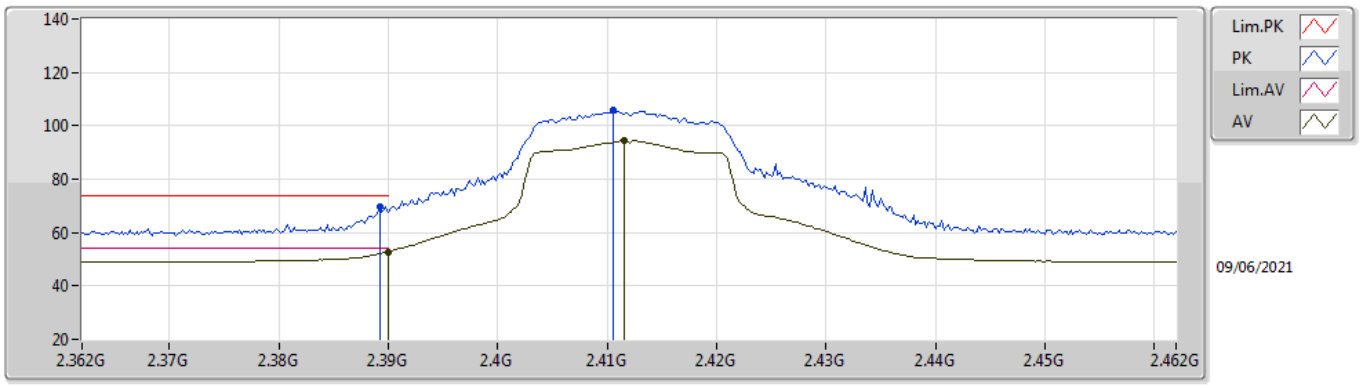
2462MHz_TX



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	4.9268G	32.37	54.00	-21.63	8.45	3	Horizontal	281	1.96	-	23.92	33.69	9.00	34.24
PK	4.91412G	46.49	74.00	-27.51	8.48	3	Horizontal	281	1.96	-	38.01	33.74	8.99	34.25

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

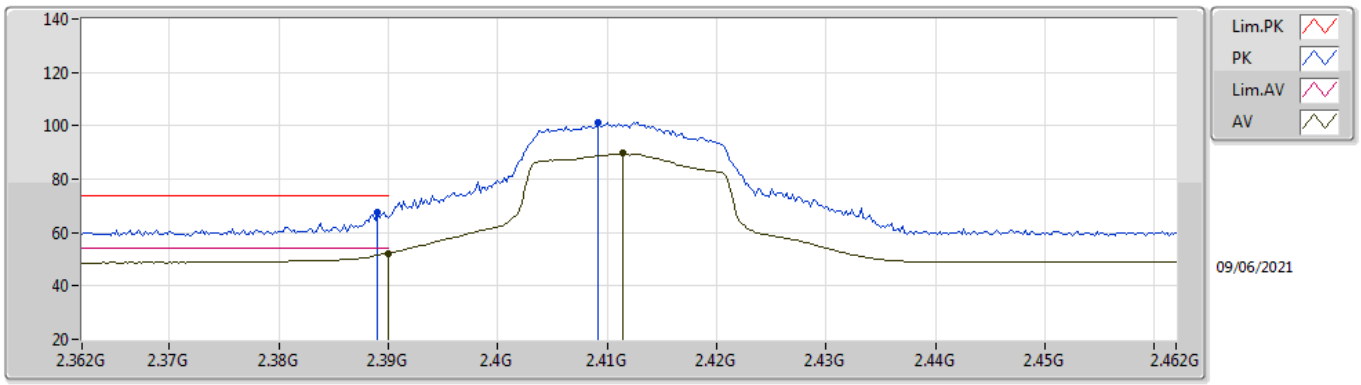


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.78	54.00	-1.22	36.74	3	Vertical	40	2.57	-	16.04	29.48	7.26	-
AV	2.4116G	94.46	Inf	-Inf	36.84	3	Vertical	40	2.57	-	57.62	29.57	7.27	-
PK	2.3892G	69.56	74.00	-4.44	36.74	3	Vertical	40	2.57	-	32.82	29.48	7.26	-
PK	2.4106G	105.69	Inf	-Inf	36.83	3	Vertical	40	2.57	-	68.86	29.56	7.27	-

Note: The radiated test of low channel for HT20 was passed by setting 19 which is same as the middle channel, therefore, the edge on the next lowest channel is not required.

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

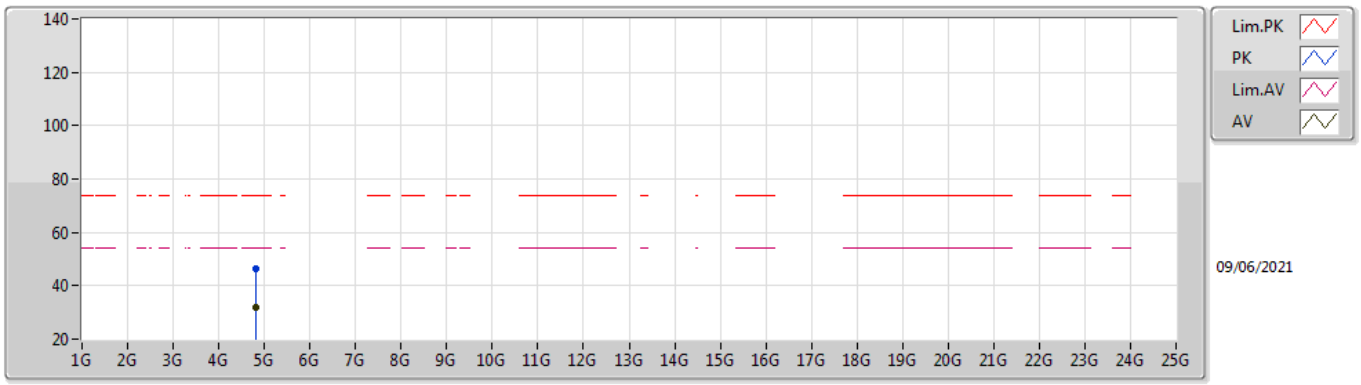


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.32	54.00	-1.68	36.74	3	Horizontal	258	1.80	-	15.58	29.48	7.26	-
AV	2.4114G	89.74	Inf	-Inf	36.84	3	Horizontal	258	1.80	-	52.90	29.57	7.27	-
PK	2.389G	67.62	74.00	-6.38	36.74	3	Horizontal	258	1.80	-	30.88	29.48	7.26	-
PK	2.4092G	101.09	Inf	-Inf	36.83	3	Horizontal	258	1.80	-	64.26	29.56	7.27	-

Note: The radiated test of low channel for HT20 was passed by setting 19 which is same as the middle channel, therefore, the edge on the next lowest channel is not required.

802.11n HT20_Nss1,(MCS0)_1TX

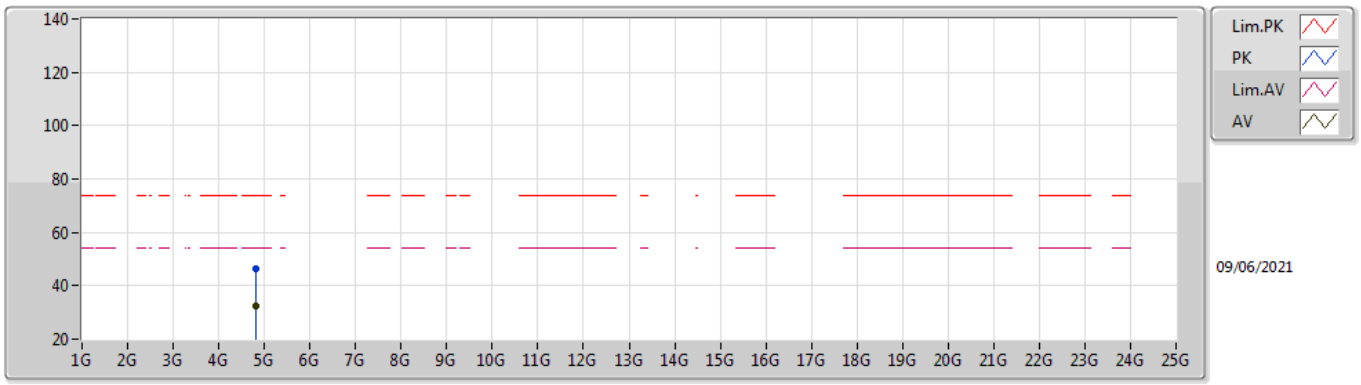
2412MHz_TX



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	4.81796G	32.06	54.00	-21.94	8.13	3	Vertical	218	1.83	-	23.93	33.50	8.91	34.28
PK	4.81656G	46.18	74.00	-27.82	8.13	3	Vertical	218	1.83	-	38.05	33.50	8.91	34.28

802.11n HT20_Nss1,(MCS0)_1TX

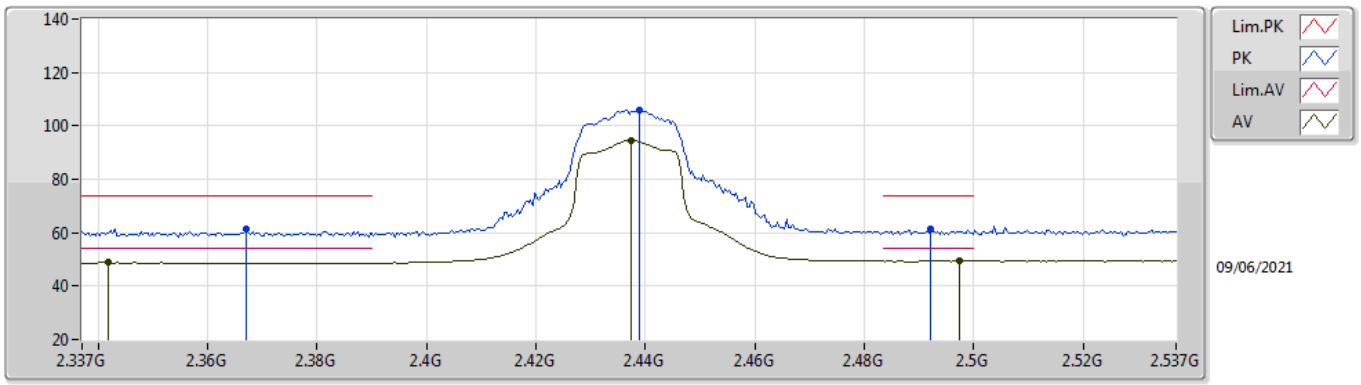
2412MHz_TX



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	4.81824G	32.46	54.00	-21.54	8.13	3	Horizontal	223	2.11	-	24.33	33.50	8.91	34.28
PK	4.82068G	46.60	74.00	-27.40	8.14	3	Horizontal	223	2.11	-	38.46	33.50	8.92	34.28

802.11n HT20_Nss1,(MCS0)_1TX

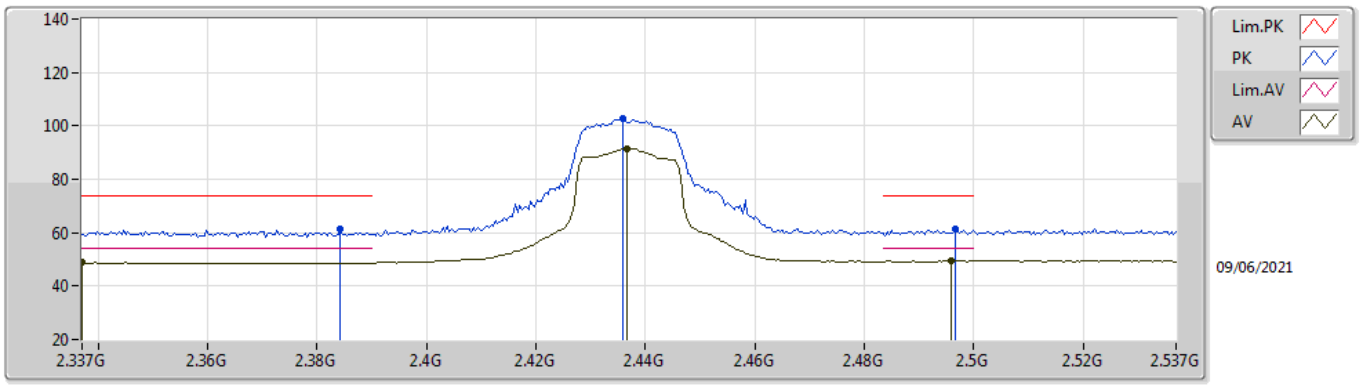
2437MHz_TX



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	2.3418G	48.74	54.00	-5.26	36.65	3	Vertical	48	2.86	-	12.09	29.42	7.23	-
AV	2.4374G	94.67	Inf	-Inf	37.01	3	Vertical	48	2.86	-	57.66	29.72	7.29	-
AV	2.4974G	49.32	54.00	-4.68	37.42	3	Vertical	48	2.86	-	11.90	30.08	7.34	-
PK	2.367G	61.55	74.00	-12.45	36.68	3	Vertical	48	2.86	-	24.87	29.43	7.25	-
PK	2.439G	106.04	Inf	-Inf	37.02	3	Vertical	48	2.86	-	69.02	29.73	7.29	-
PK	2.4922G	61.14	74.00	-12.86	37.38	3	Vertical	48	2.86	-	23.76	30.05	7.33	-

802.11n HT20_Nss1,(MCS0)_1TX

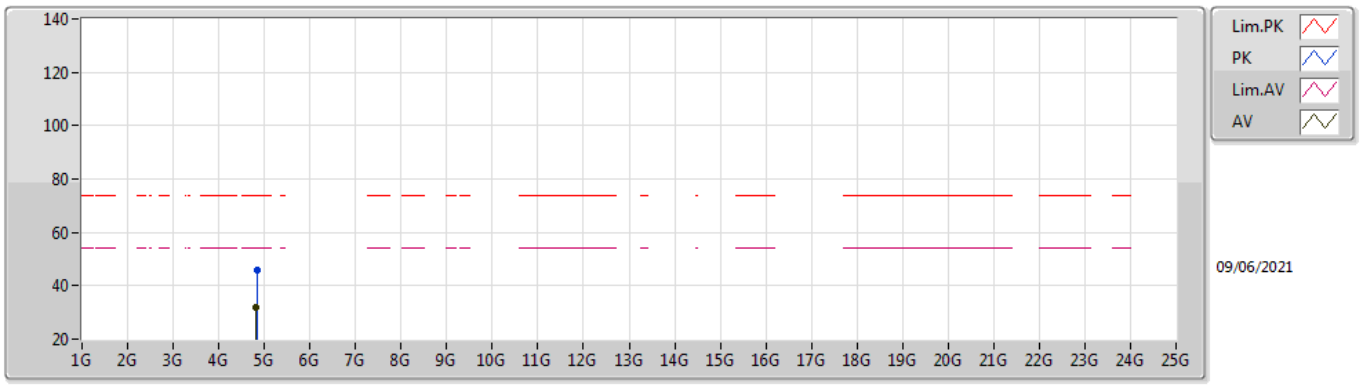
2437MHz_TX



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	2.337G	48.75	54.00	-5.25	36.66	3	Horizontal	183	2.58	-	12.09	29.43	7.23	-
AV	2.4366G	91.61	Inf	-Inf	37.01	3	Horizontal	183	2.58	-	54.60	29.72	7.29	-
AV	2.4958G	49.31	54.00	-4.69	37.41	3	Horizontal	183	2.58	-	11.90	30.07	7.34	-
PK	2.3842G	61.51	74.00	-12.49	36.72	3	Horizontal	183	2.58	-	24.79	29.47	7.25	-
PK	2.4358G	102.81	Inf	-Inf	37.00	3	Horizontal	183	2.58	-	65.81	29.71	7.29	-
PK	2.4966G	61.21	74.00	-12.79	37.42	3	Horizontal	183	2.58	-	23.79	30.08	7.34	-

802.11n HT20_Nss1,(MCS0)_1TX

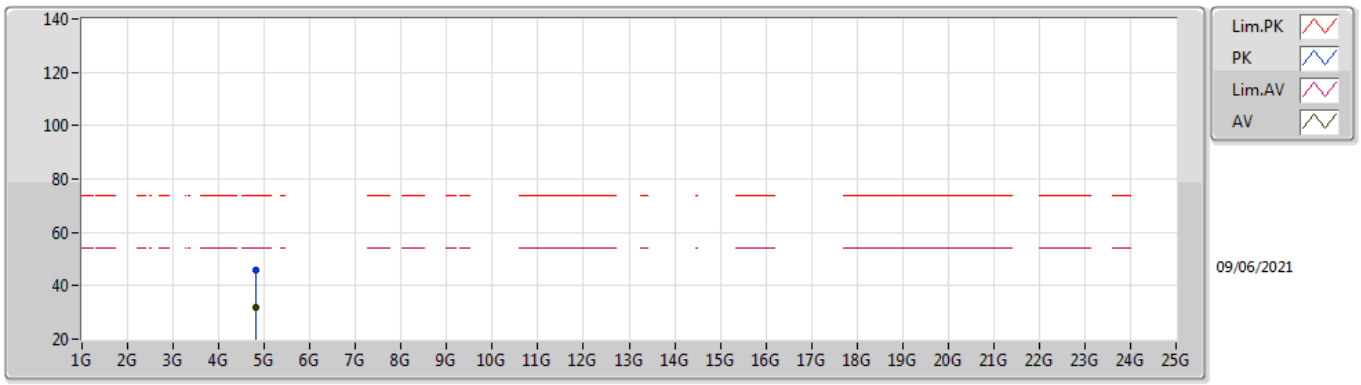
2437MHz_TX



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	4.81964G	32.05	54.00	-21.95	8.13	3	Vertical	186	2.46	-	23.92	33.50	8.91	34.28
PK	4.8322G	46.07	74.00	-27.93	8.14	3	Vertical	186	2.46	-	37.93	33.50	8.92	34.28

802.11n HT20_Nss1,(MCS0)_1TX

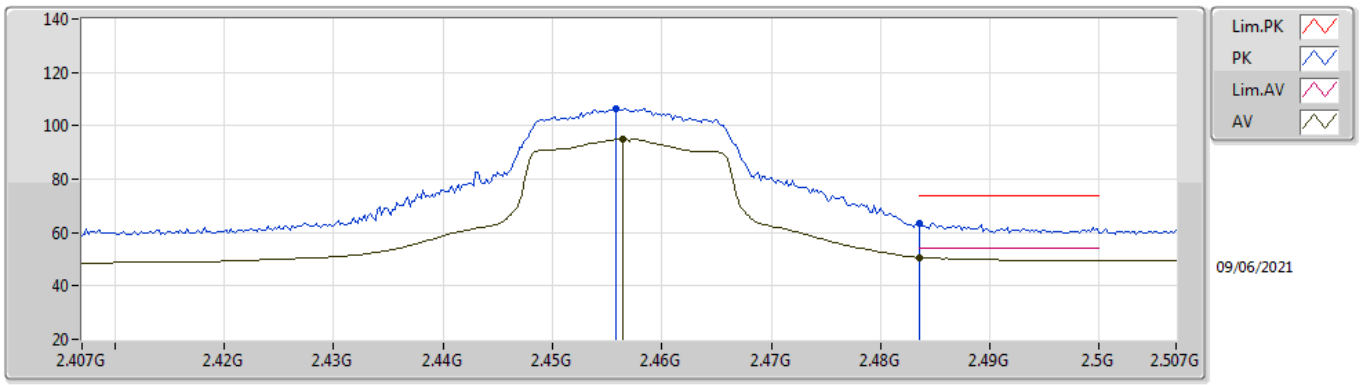
2437MHz_TX



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	4.82048G	32.00	54.00	-22.00	8.14	3	Horizontal	220	1.50	-	23.86	33.50	8.92	34.28
PK	4.82176G	45.95	74.00	-28.05	8.14	3	Horizontal	220	1.50	-	37.81	33.50	8.92	34.28

802.11n HT20_Nss1,(MCS0)_1TX

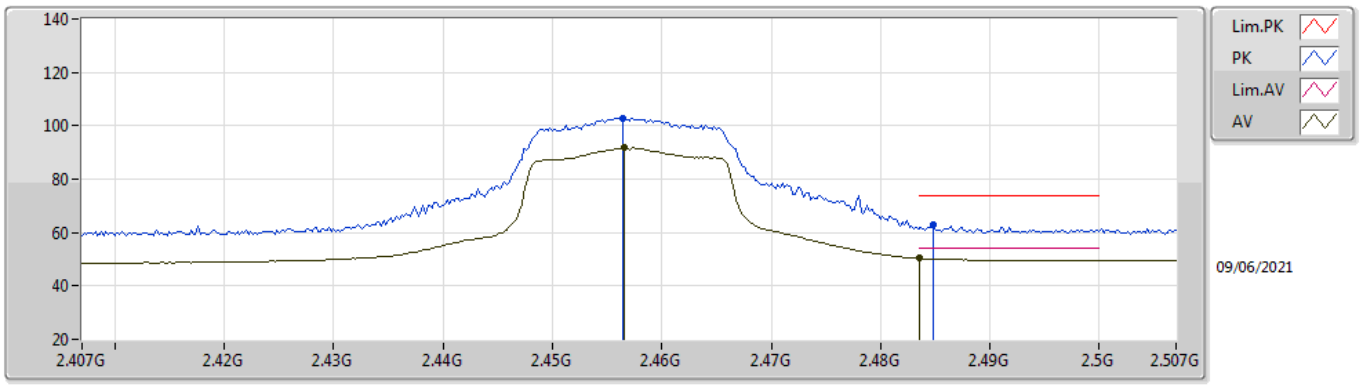
2457MHz_TX



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	2.4564G	95.24	Inf	-Inf	37.15	3	Vertical	38	1.80	-	58.09	29.84	7.31	-
AV	2.4835G	50.66	54.00	-3.34	37.33	3	Vertical	38	1.80	-	13.33	30.00	7.33	-
PK	2.4558G	106.36	Inf	-Inf	37.13	3	Vertical	38	1.80	-	69.23	29.83	7.30	-
PK	2.4836G	63.58	74.00	-10.42	37.33	3	Vertical	38	1.80	-	26.25	30.00	7.33	-

802.11n HT20_Nss1,(MCS0)_1TX

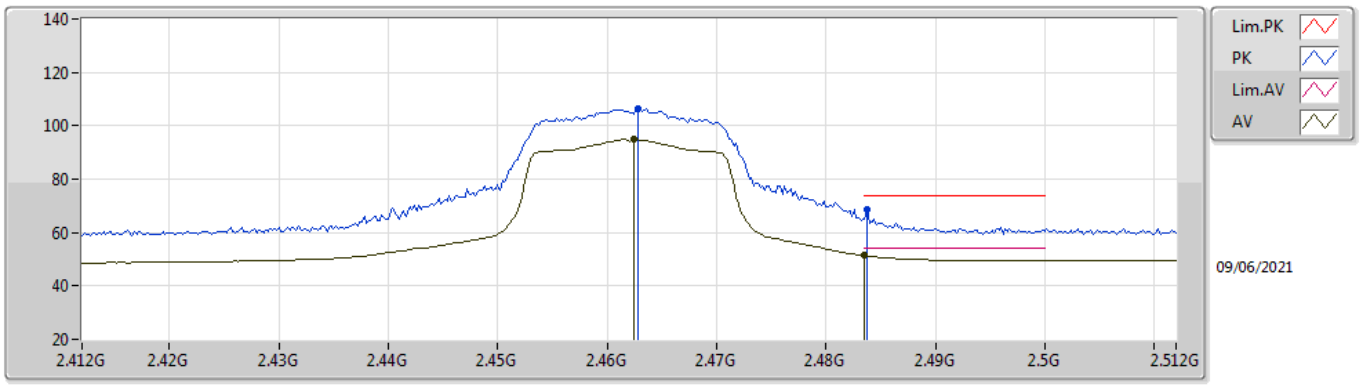
2457MHz_TX



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	2.4566G	91.80	Inf	-Inf	37.15	3	Horizontal	358	2.37	-	54.65	29.84	7.31	-
AV	2.4835G	50.30	54.00	-3.70	37.33	3	Horizontal	358	2.37	-	12.97	30.00	7.33	-
PK	2.4564G	102.85	Inf	-Inf	37.15	3	Horizontal	358	2.37	-	65.70	29.84	7.31	-
PK	2.4848G	62.88	74.00	-11.12	37.34	3	Horizontal	358	2.37	-	25.54	30.01	7.33	-

802.11n HT20_Nss1,(MCS0)_1TX

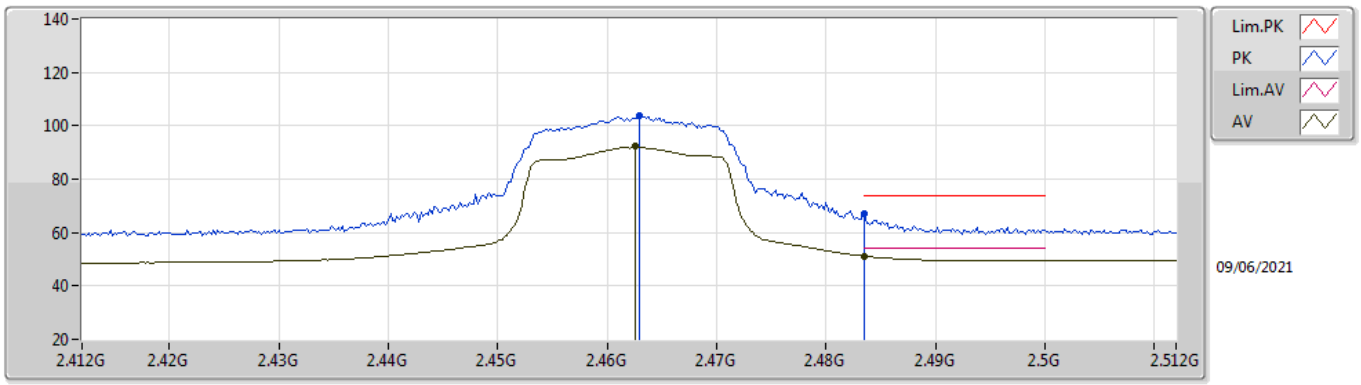
2462MHz_TX



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	2.4624G	94.92	Inf	-Inf	37.18	3	Vertical	49	1.74	-	57.74	29.87	7.31	-
AV	2.4835G	51.42	54.00	-2.58	37.33	3	Vertical	49	1.74	-	14.09	30.00	7.33	-
PK	2.4628G	106.28	Inf	-Inf	37.19	3	Vertical	49	1.74	-	69.09	29.88	7.31	-
PK	2.4838G	68.60	74.00	-5.40	37.33	3	Vertical	49	1.74	-	31.27	30.00	7.33	-

802.11n HT20_Nss1,(MCS0)_1TX

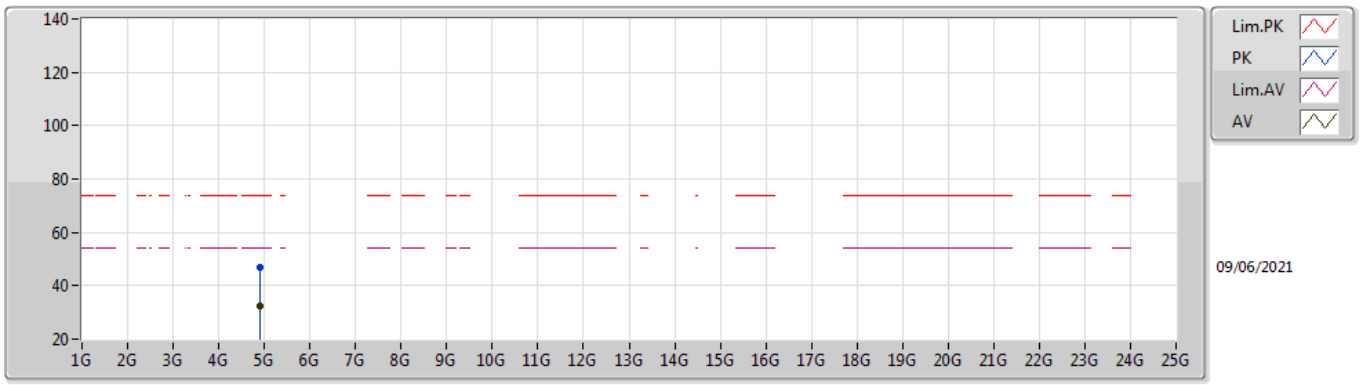
2462MHz_TX



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	2.4626G	92.16	Inf	-Inf	37.19	3	Horizontal	180	2.49	-	54.97	29.88	7.31	-
AV	2.4835G	51.11	54.00	-2.89	37.33	3	Horizontal	180	2.49	-	13.78	30.00	7.33	-
PK	2.463G	103.57	Inf	-Inf	37.19	3	Horizontal	180	2.49	-	66.38	29.88	7.31	-
PK	2.4835G	66.84	74.00	-7.16	37.33	3	Horizontal	180	2.49	-	29.51	30.00	7.33	-

802.11n HT20_Nss1,(MCS0)_1TX

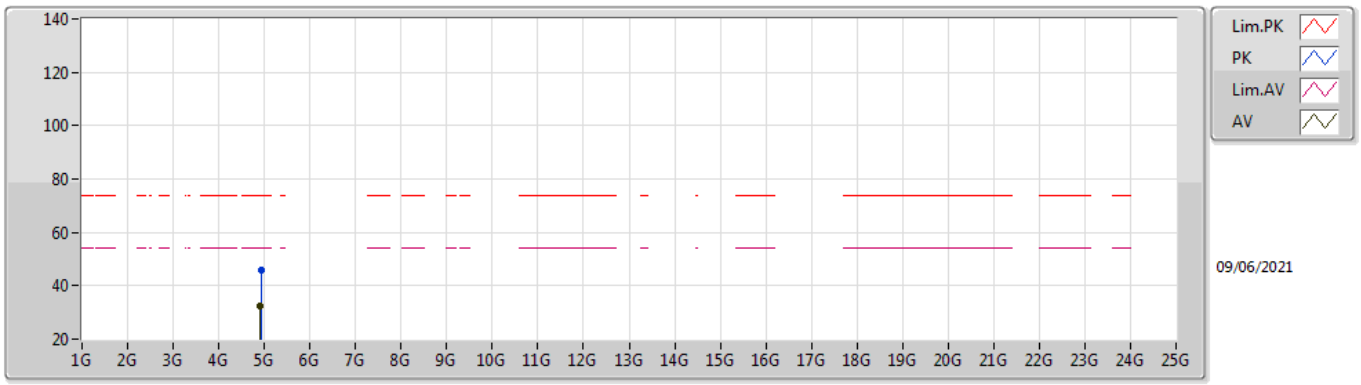
2462MHz_TX



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	4.91436G	32.35	54.00	-21.65	8.48	3	Vertical	193	2.11	-	23.87	33.74	8.99	34.25
PK	4.915G	46.81	74.00	-27.19	8.48	3	Vertical	193	2.11	-	38.33	33.74	8.99	34.25

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	4.91428G	32.35	54.00	-21.65	8.48	3	Horizontal	133	1.68	-	23.87	33.74	8.99	34.25
PK	4.92016G	46.11	74.00	-27.89	8.46	3	Horizontal	133	1.68	-	37.65	33.72	8.99	34.25