FCC Test Report

FCC ID	:	**2AXZJ-CTX0700**
Equipment	:	**Telematics Control Unit**
Brand Name	:	**Lucid USA, Inc**
Model Name	:	**P11-K29000**
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 Sep. 09, 2020, and testing was started from Sep. 09, 2020 and completed on Oct. 01, 2020. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR0O0705AC	01	Initial issue of report	Nov. 25, 2020
FR0O0705AC	02	Revise Antenna Information (This report is the latest version replacing for the report issued on Nov. 25, 2020)	Nov. 26, 2020
FR0O0705AC	03	Update Equipment and Model name (This report is the latest version replacing for the report issued on Nov. 26, 2020)	Dec. 16, 2020

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: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Amphenol	L: UDB332-04-000-C , R: UDB332-04-100-C	FPC	FARKA
2	Amphenol	L: UDB332-04-000-C , R: UDB332-04-100-C	FPC	FARKA
3	Amphenol	L :UDB331-04-000-C-SHT180, R: UDB331-04-100-C-SHT180	FPC	FARKA
4	Amphenol	L :UDB331-04-000-C-SHT180, 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	2.85	2.33	2.11	6.3	w/o cable
		0.57	-1.99	-2.51	-2.73	1.46	with cable

Ant.	Port	WWAN 4G Gain (dBi)							
		LTE Band 2	LTE Band 4	LTE Band 5	LTE Band 7	LTE Band 12	LTE Band 13	LTE Band 29	Remark (Note. 3)
3~4	1~2	2.33	2.11	6.3	1.88	6.8	6.8	5.7	w/o cable
		-2.51	-2.73	1.46	-2.96	1.96	1.96	0.86	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/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	16.802m	10

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11g_Nss1,(6Mbps)_1TX	0.993	0.03	2.794m	10
802.11n HT20_Nss1,(MCS0)_1TX	0.992	0.03	2.342m	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 594280 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			
☐	Wen Shan	ADD : No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
		TEL : 886-3-318-0787	FAX : 886-3-318-0287
Test site Designation No. TW1097 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Vivi	20.1~26.9°C / 50~60%	21/Sep/2020
Radiated	03CH02-HY	Daniel Lin	20.8~26.1°C / 53~62%	09/Sep/2020~ 01/Oct/2020

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 Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	DoS 1.6

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	22.5
2417MHz	22.5
2437MHz	23
2457MHz	22.5
2462MHz	22
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	18.5
2417MHz	19
2437MHz	20
2457MHz	20
2462MHz	19
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	18.5
2437MHz	19
2462MHz	19

2.3 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**
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G + WLAN 5G + WWAN 2G/3G/4G
Refer to Sporton Test Report No.: FA0O0705 for Co-location RF Exposure Evaluation.	

2.4 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.

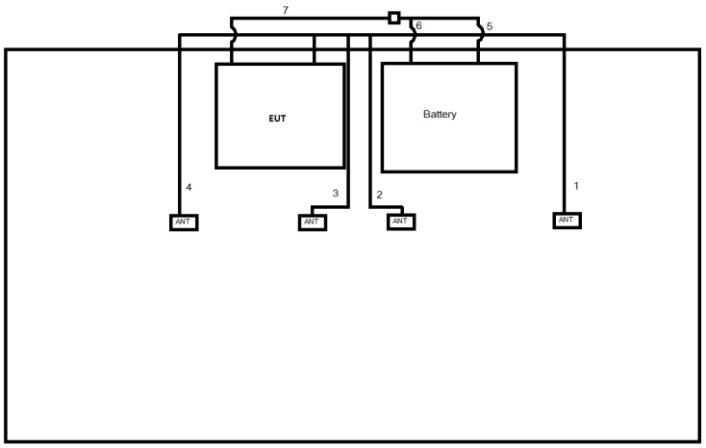
2.5 Support Equipment

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Battery	Panasonic	-	-	-

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	Antenna Cable	No	5.83
2	Antenna Cable	No	5.41
3	Antenna Cable	No	5.41
4	Antenna Cable	No	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

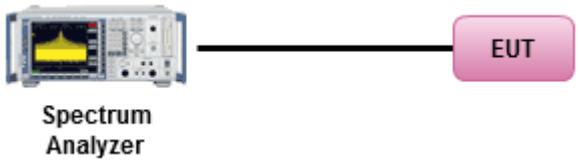
Refer a test equipment and calibration data table in this test report.

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



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

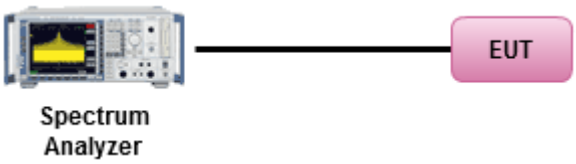
3.3.2 Measuring Instruments

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.	

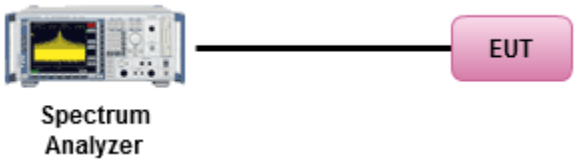
3.4.2 Measuring Instruments

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.

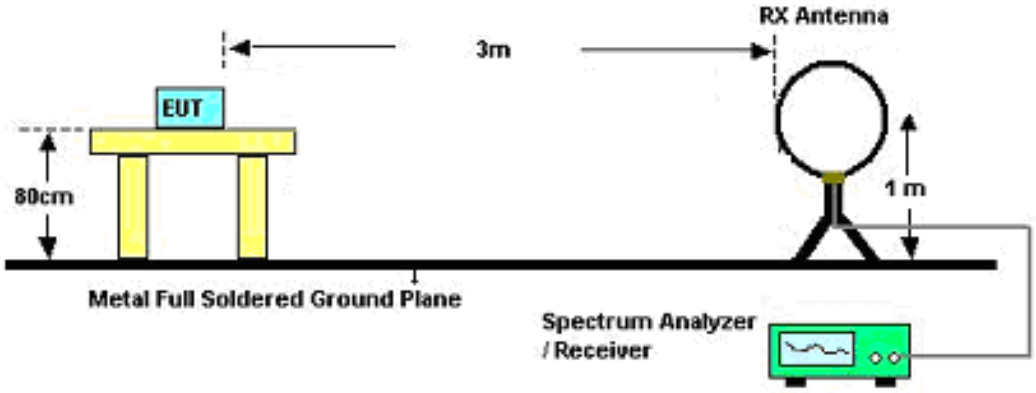
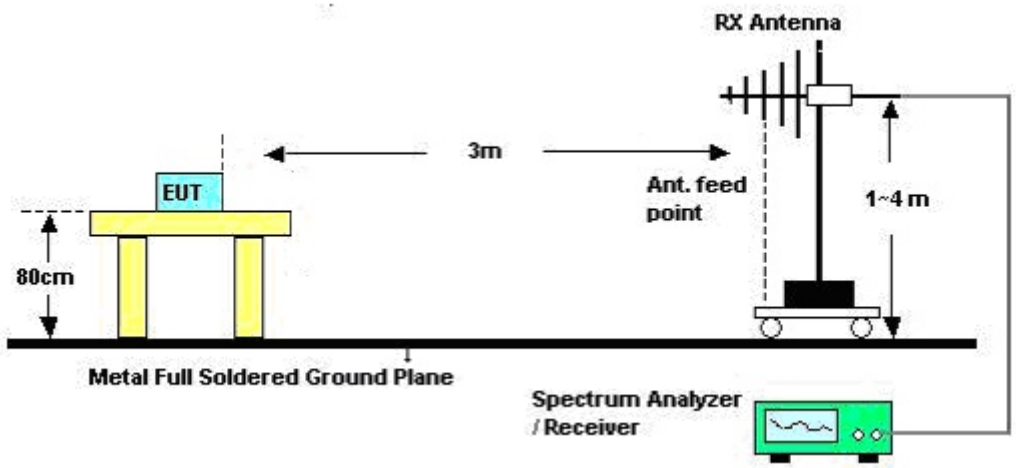
3.5.3 Test Procedures

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.

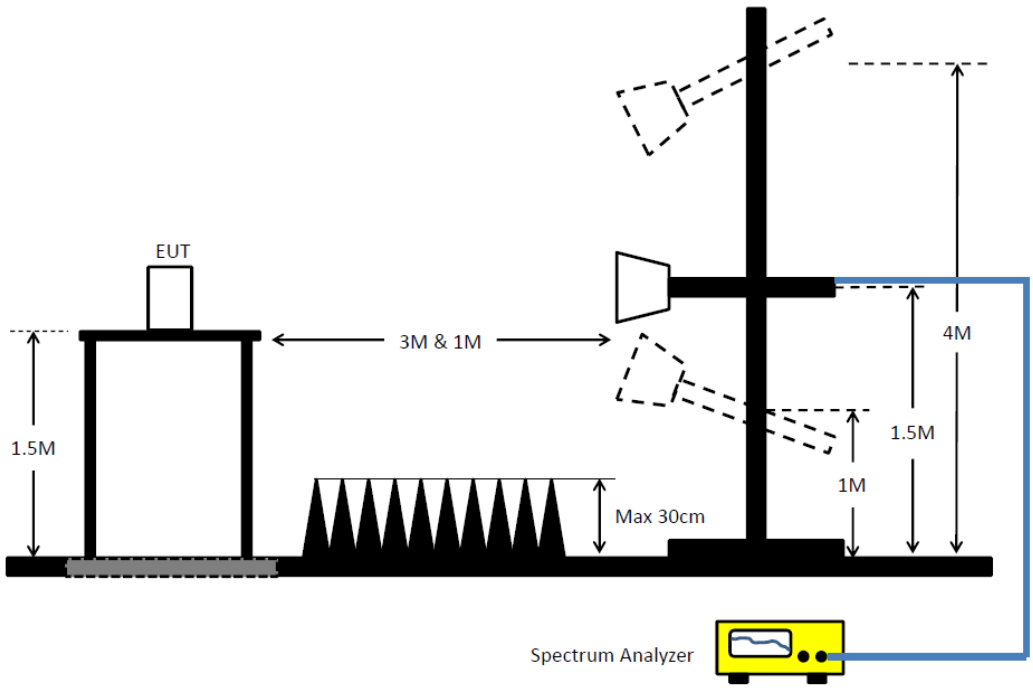
3.5.4 Measurement Results Calculation

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	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	917017	300MHz~40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	949003	300MHz~40GHz	17/Feb/2020	16/Feb/2021

Instrument for Radiated Test

Instrument	Manufacturer	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	1GHz~26.5GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
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	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
Double Ridged Guide Horn Antenna	COM-POWER	AH-118	10094	1GHz~18GHz	08/Jul/2020	07/Jul/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

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	8.525M	13.493M	13M5G1D	7.05M	12.054M
802.11g_Nss1,(6Mbps)_1TX	16.275M	16.692M	16M7D1D	16.05M	16.492M
802.11n HT20_Nss1,(MCS0)_1TX	17.525M	17.771M	17M8D1D	16.95M	17.691M

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

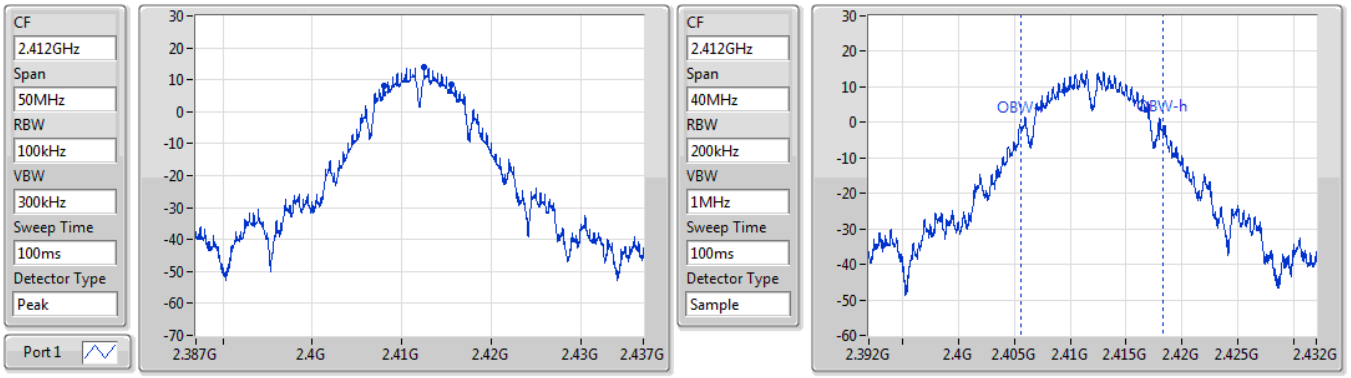
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.55M	12.694M
2437MHz	Pass	500k	8.525M	13.493M
2462MHz	Pass	500k	7.05M	12.054M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.05M	16.592M
2437MHz	Pass	500k	16.05M	16.692M
2462MHz	Pass	500k	16.275M	16.492M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.95M	17.771M
2437MHz	Pass	500k	17.125M	17.731M
2462MHz	Pass	500k	17.525M	17.691M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

21/09/2020

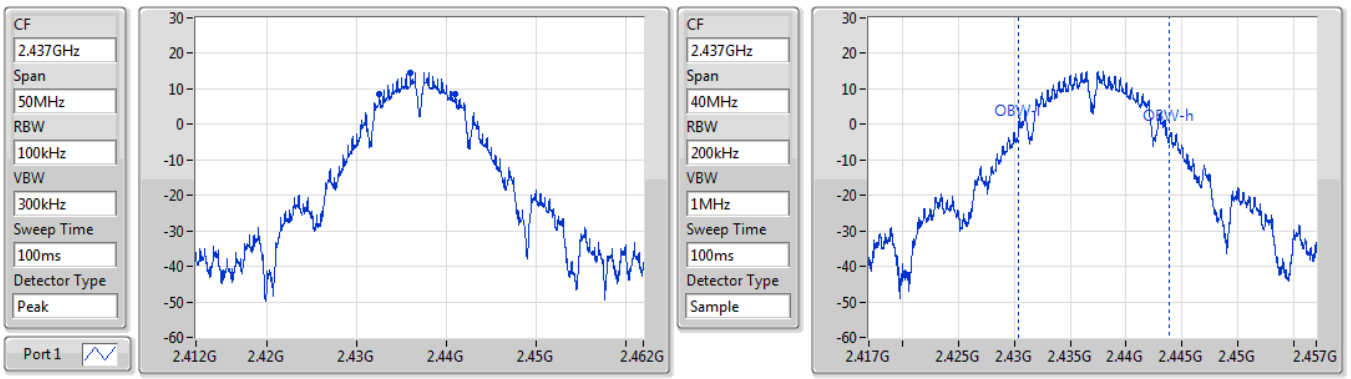


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.407975G	2.415525G	12.694M	2.405623G	2.418317G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

21/09/2020

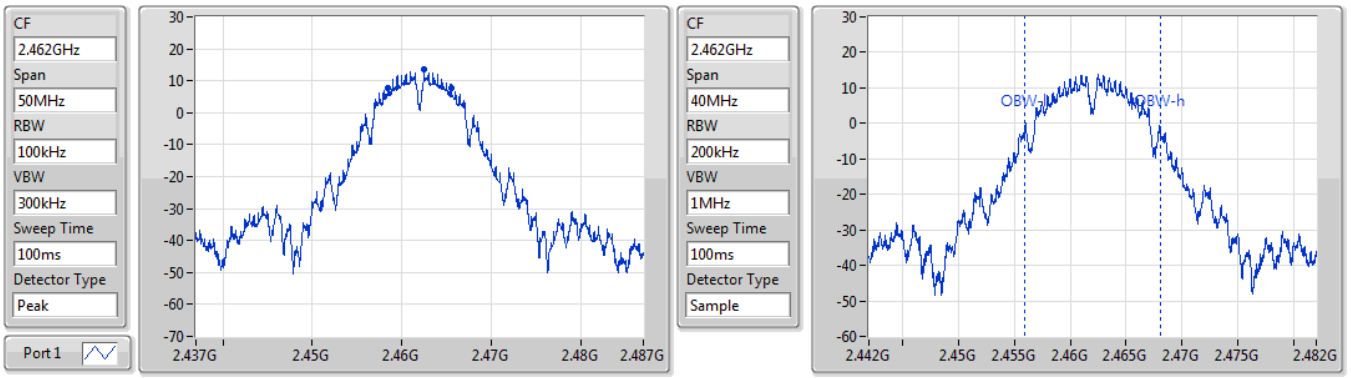


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.4325G	2.441025G	13.493M	2.430323G	2.443817G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

21/09/2020

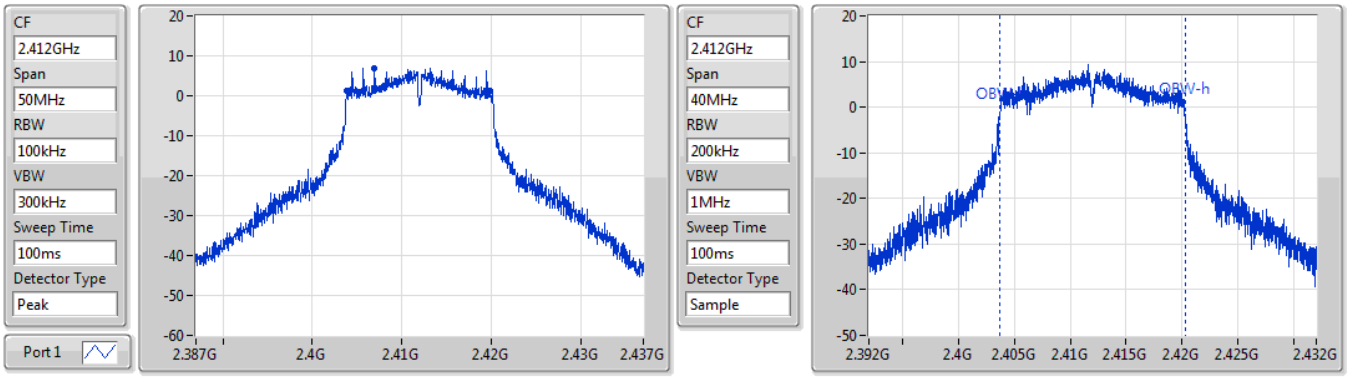


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	12.054M	2.455963G	2.468017G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

21/09/2020

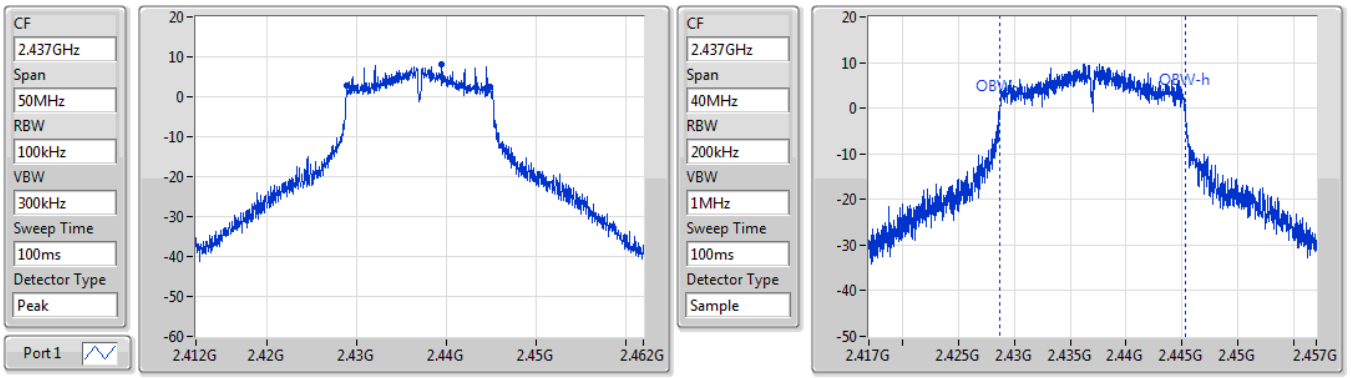


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.40385G	2.4199G	16.592M	2.403664G	2.420256G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

21/09/2020

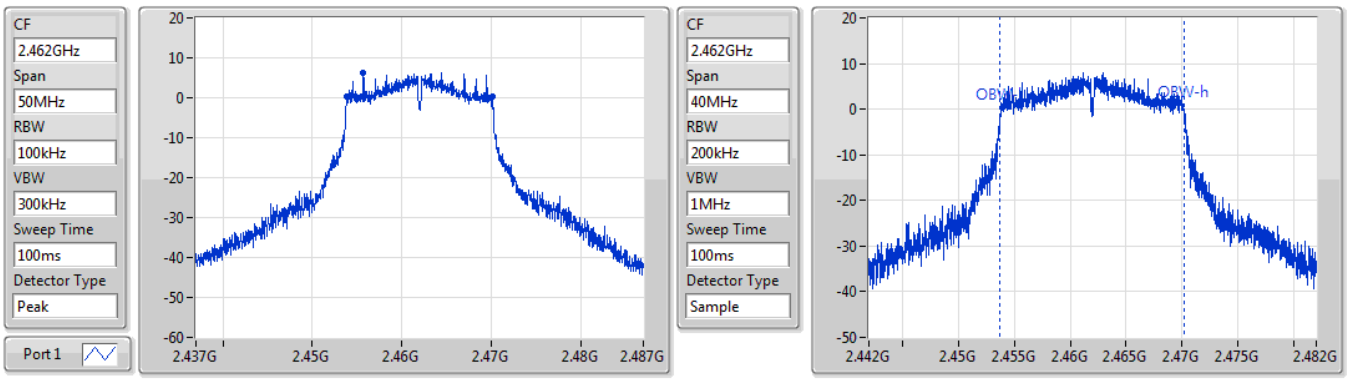


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.42885G	2.4449G	16.692M	2.428644G	2.445336G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

21/09/2020

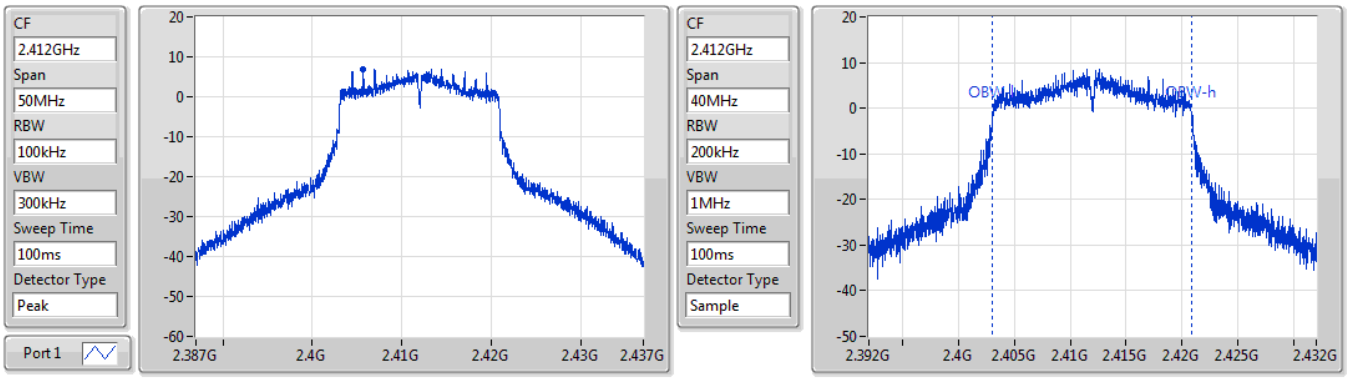


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.45385G	2.470125G	16.492M	2.453744G	2.470236G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

21/09/2020

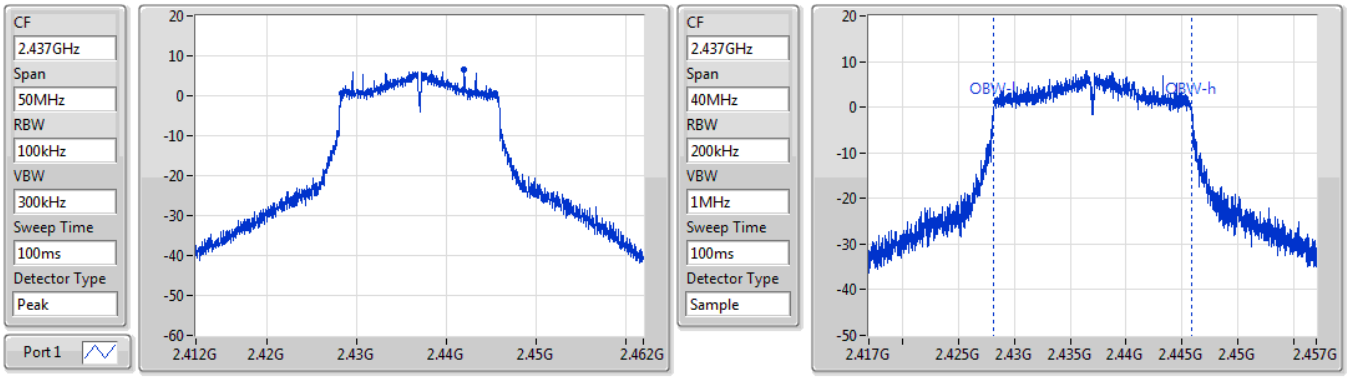


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.95M	2.403375G	2.420325G	17.771M	2.403064G	2.420836G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

21/09/2020

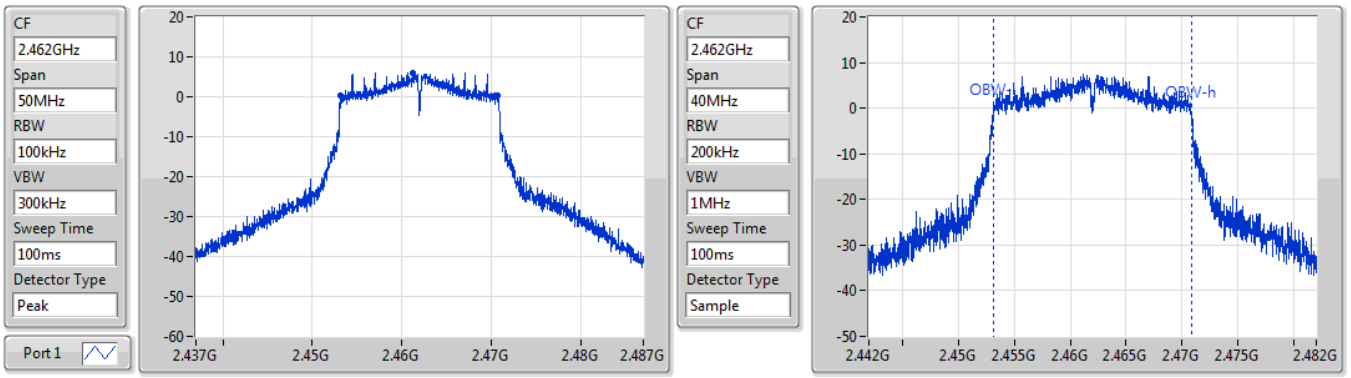


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.125M	2.42835G	2.445475G	17.731M	2.428124G	2.445856G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

21/09/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.453225G	2.47075G	17.691M	2.453124G	2.470816G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.89	0.19454
802.11g_Nss1,(6Mbps)_1TX	19.68	0.09290
802.11n HT20_Nss1,(MCS0)_1TX	18.19	0.06592

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	21.98	21.98	30.00
2417MHz	Pass	-1.31	21.91	21.91	30.00
2437MHz	Pass	-2.38	22.89	22.89	30.00
2457MHz	Pass	-0.88	21.23	21.23	30.00
2462MHz	Pass	-0.88	21.37	21.37	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	17.27	17.27	30.00
2417MHz	Pass	-1.31	18.61	18.61	30.00
2437MHz	Pass	-2.38	19.68	19.68	30.00
2457MHz	Pass	-0.88	19.60	19.60	30.00
2462MHz	Pass	-0.88	18.33	18.33	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	17.27	17.27	30.00
2437MHz	Pass	-2.38	18.19	18.19	30.00
2462MHz	Pass	-0.88	18.00	18.00	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	-0.44
802.11g_Nss1,(6Mbps)_1TX	-3.87
802.11n HT20_Nss1,(MCS0)_1TX	-5.11

RBW = 3kHz;

Result

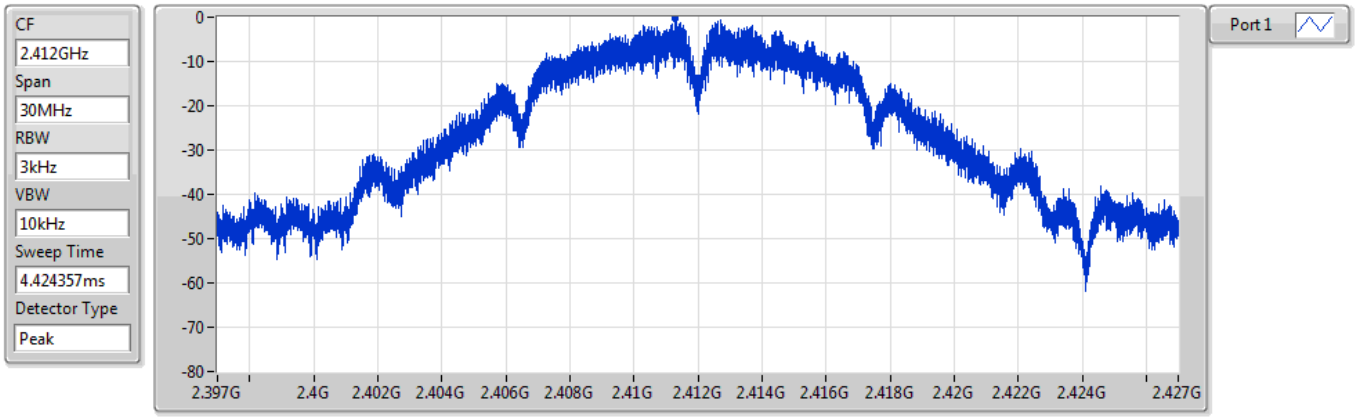
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-0.44	-0.44	8.00
2437MHz	Pass	-2.38	-0.59	-0.59	8.00
2462MHz	Pass	-0.88	-1.34	-1.34	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-6.72	-6.72	8.00
2437MHz	Pass	-2.38	-3.87	-3.87	8.00
2462MHz	Pass	-0.88	-5.11	-5.11	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	-1.31	-5.11	-5.11	8.00
2437MHz	Pass	-2.38	-6.85	-6.85	8.00
2462MHz	Pass	-0.88	-7.02	-7.02	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

21/09/2020

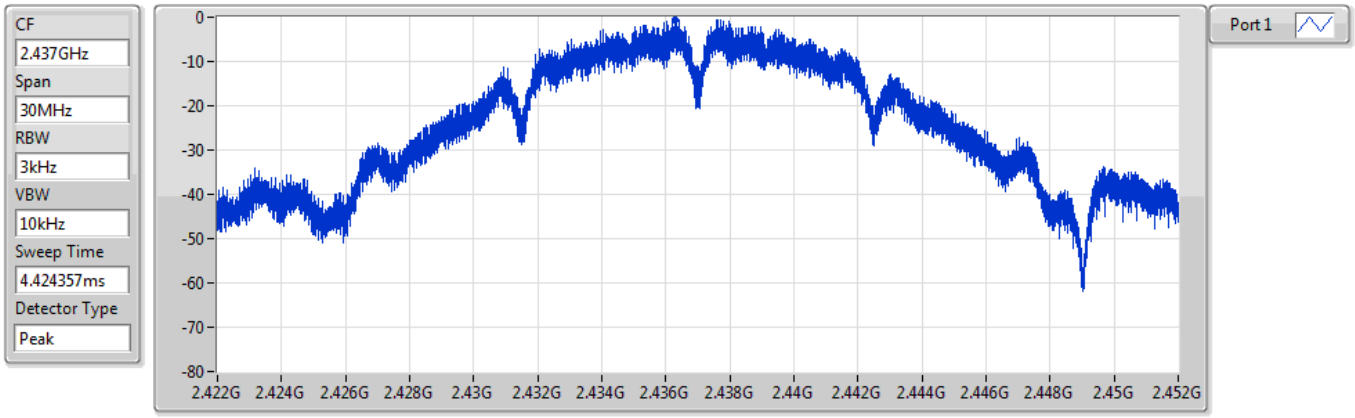


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.44	-0.44	-0.44

802.11b_Nss1,(1Mbps)_1TX PSD

2437MHz

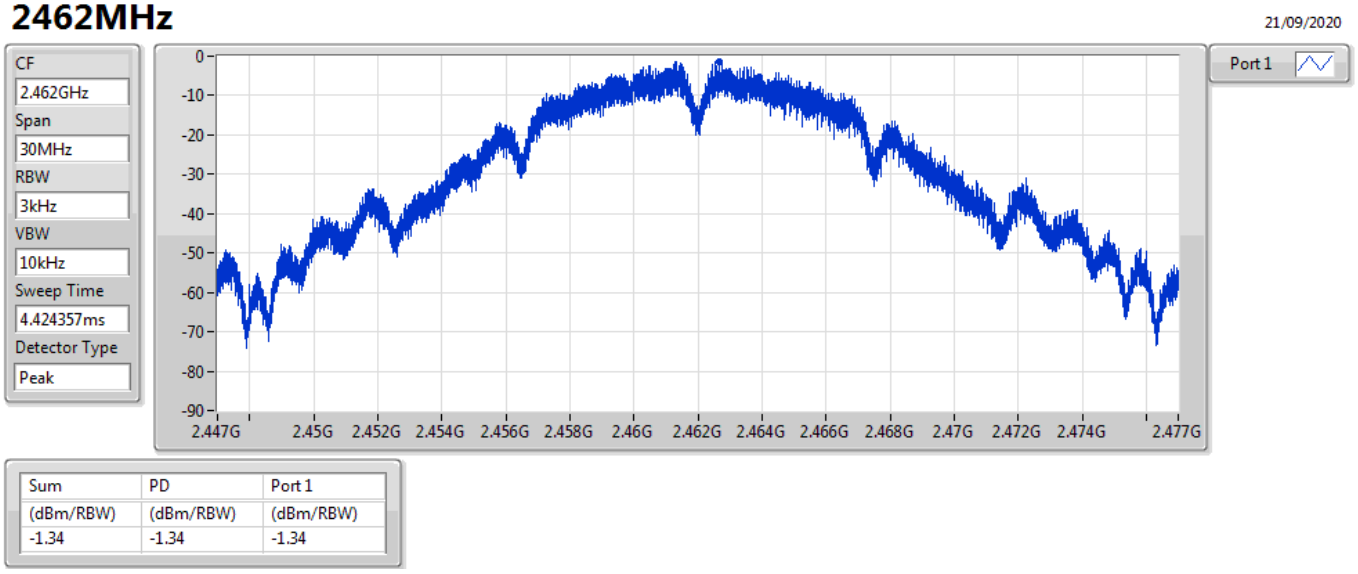
21/09/2020



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-0.59

802.11b_Nss1,(1Mbps)_1TX PSD

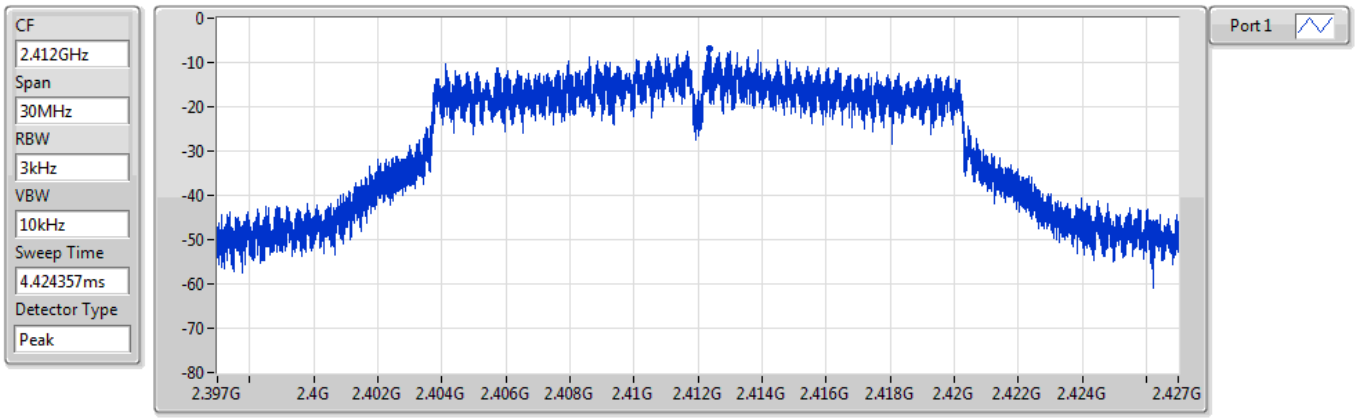
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.34	-1.34	-1.34

802.11g_Nss1,(6Mbps)_1TX PSD

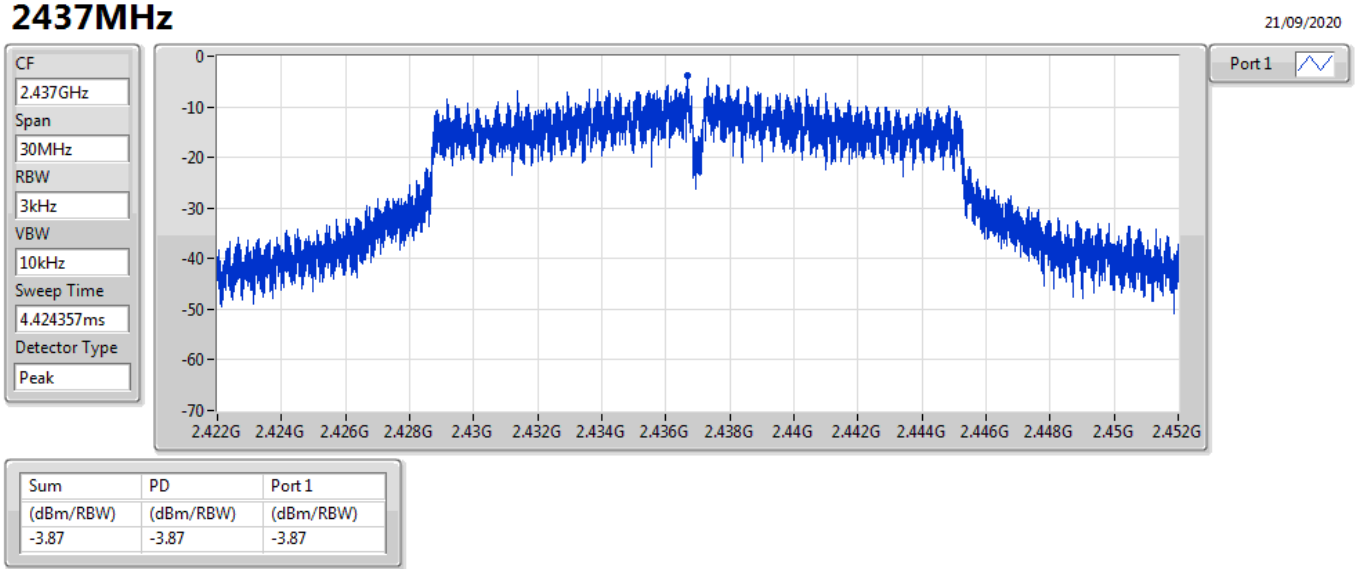
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.72	-6.72	-6.72

802.11g_Nss1,(6Mbps)_1TX PSD

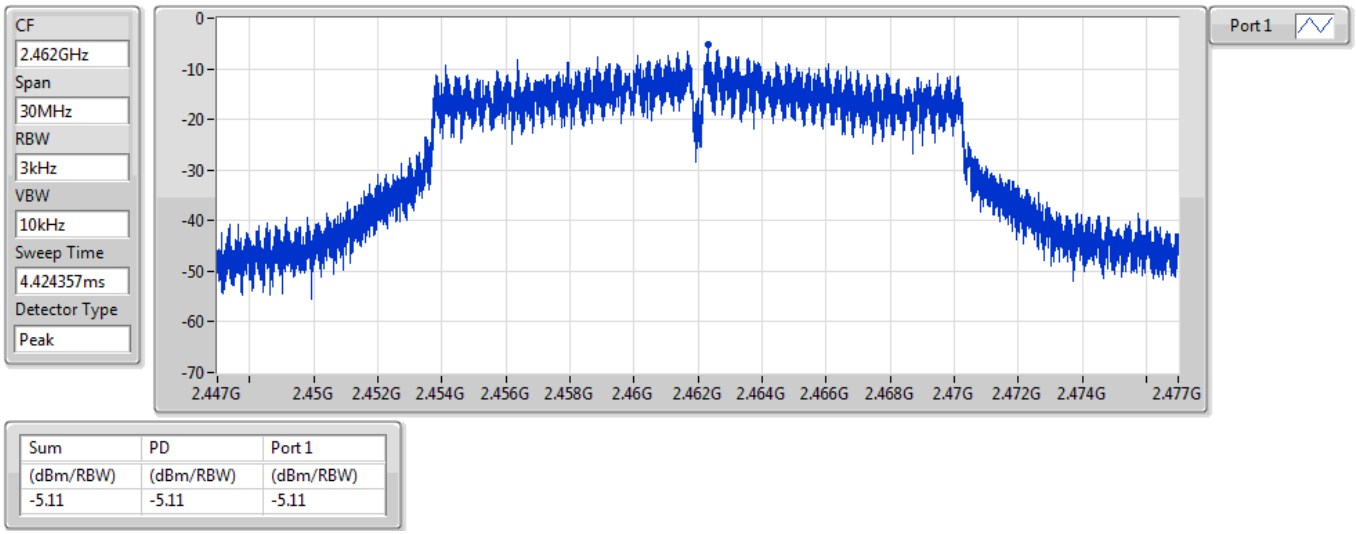
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.87	-3.87	-3.87

802.11g_Nss1,(6Mbps)_1TX PSD

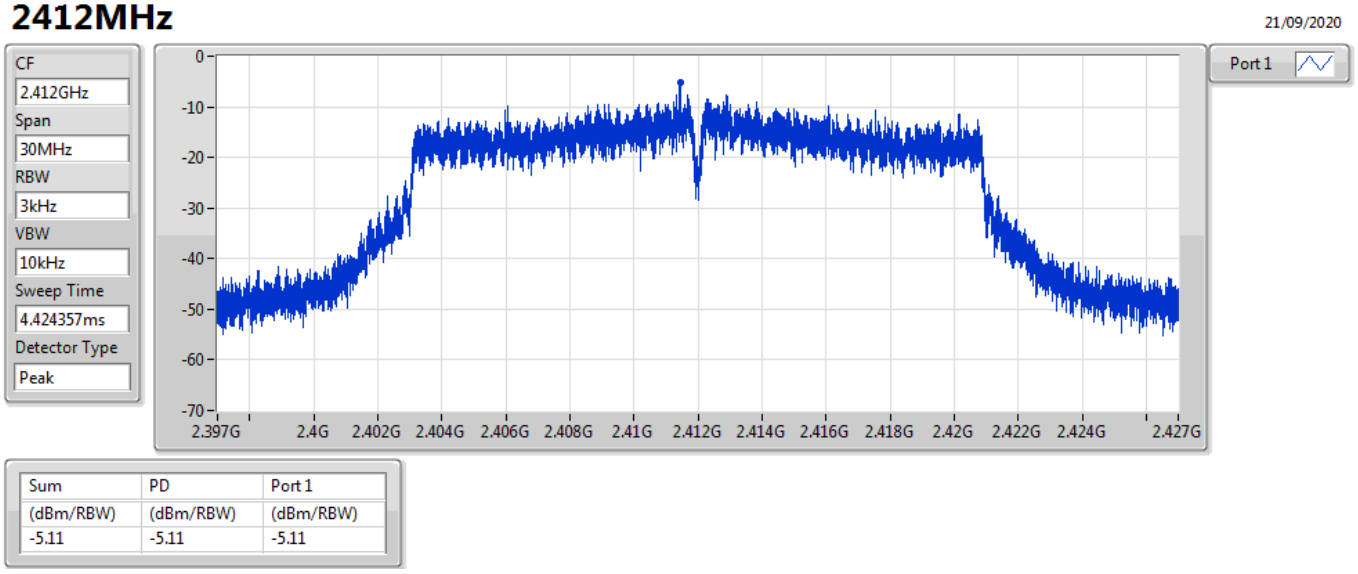
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.11	-5.11	-5.11

802.11n HT20_Nss1,(MCS0)_1TX PSD

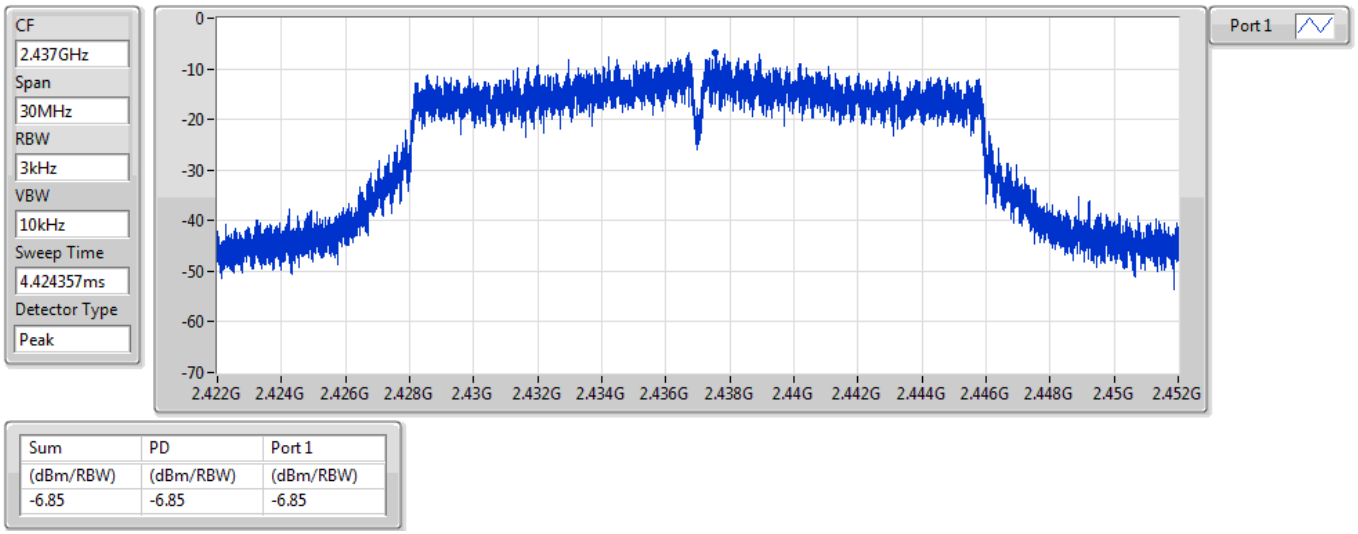
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.11	-5.11	-5.11

802.11n HT20_Nss1,(MCS0)_1TX PSD

2437MHz

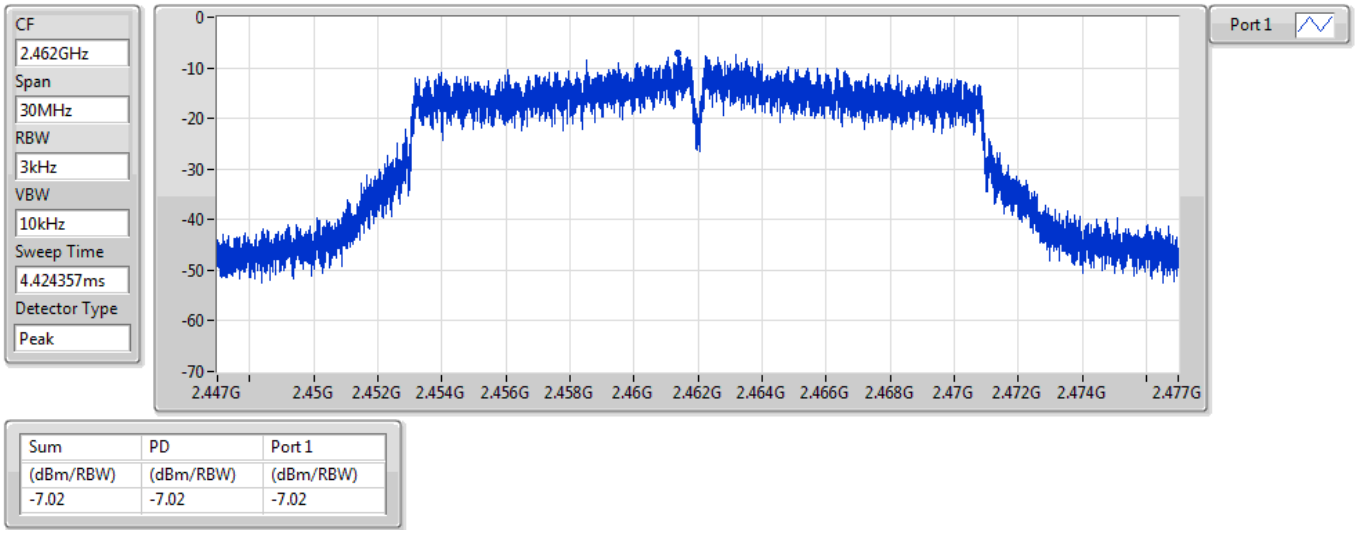


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.85	-6.85	-6.85

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz

21/09/2020



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.02	-7.02	-7.02

Summary

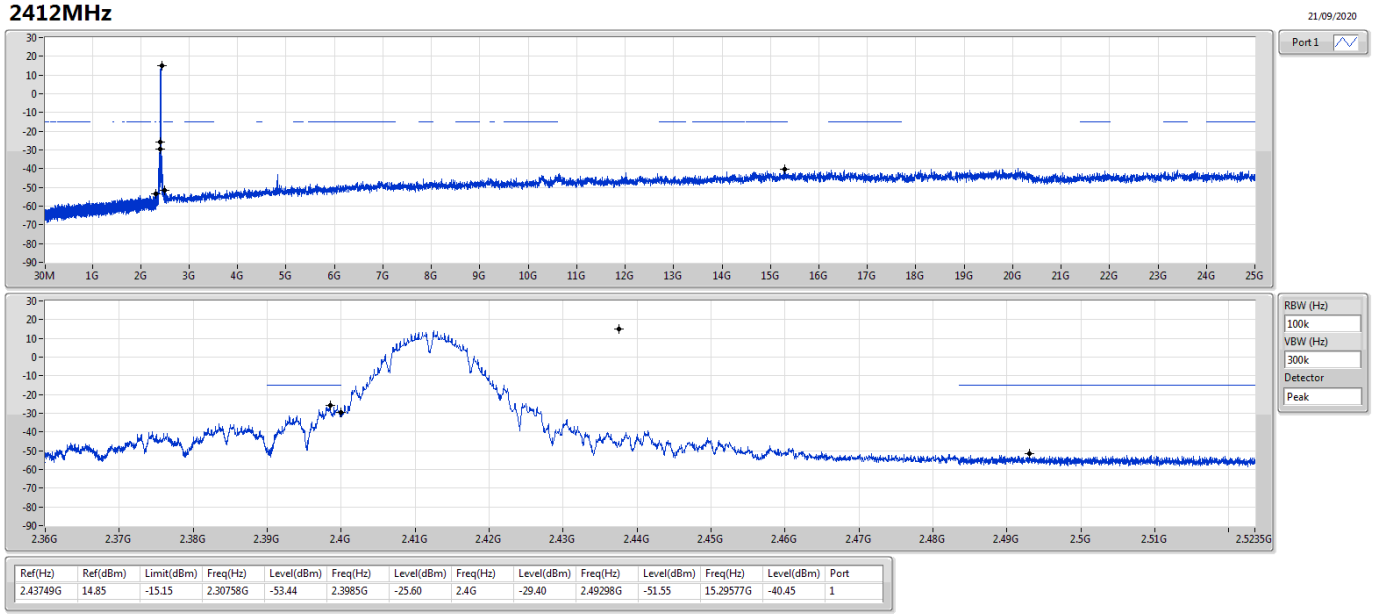
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43749G	14.85	-15.15	2.30758G	-53.44	2.3985G	-25.60	2.4G	-29.40	2.49298G	-51.55	15.29577G	-40.45	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	8.01	-21.99	2.30758G	-54.30	2.39952G	-23.23	2.4G	-27.76	2.4968G	-52.35	17.6839G	-40.98	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43824G	6.47	-23.53	2.11943G	-54.62	2.3998G	-24.02	2.4G	-26.55	2.49724G	-51.58	23.16536G	-41.13	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	14.85	-15.15	2.30758G	-53.44	2.3985G	-25.60	2.4G	-29.40	2.49298G	-51.55	15.29577G	-40.45	1
2437MHz	Pass	2.43749G	14.85	-15.15	2.17477G	-54.64	2.399G	-38.40	2.4G	-39.08	2.48548G	-43.88	16.72584G	-40.26	1
2462MHz	Pass	2.43749G	14.85	-15.15	2.12758G	-54.89	2.39768G	-52.16	2.4835G	-38.29	2.48596G	-39.09	23.4126G	-40.79	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	8.01	-21.99	2.30758G	-54.30	2.39952G	-23.23	2.4G	-27.76	2.4968G	-52.35	17.6839G	-40.98	1
2437MHz	Pass	2.43198G	8.01	-21.99	2.16166G	-54.60	2.39804G	-41.93	2.4G	-45.57	2.48456G	-49.19	16.91689G	-41.11	1
2462MHz	Pass	2.43198G	8.01	-21.99	1.97672G	-54.15	2.39486G	-52.19	2.4835G	-38.10	2.48384G	-34.56	24.705G	-40.46	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	6.47	-23.53	2.11943G	-54.62	2.3998G	-24.02	2.4G	-26.55	2.49724G	-51.58	23.16536G	-41.13	1
2437MHz	Pass	2.43824G	6.47	-23.53	2.11448G	-53.90	2.39858G	-44.53	2.4G	-46.73	2.48392G	-48.60	24.09813G	-40.05	1
2462MHz	Pass	2.43824G	6.47	-23.53	2.13457G	-54.75	2.3959G	-51.52	2.4835G	-35.24	2.48422G	-32.39	23.45755G	-40.87	1

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

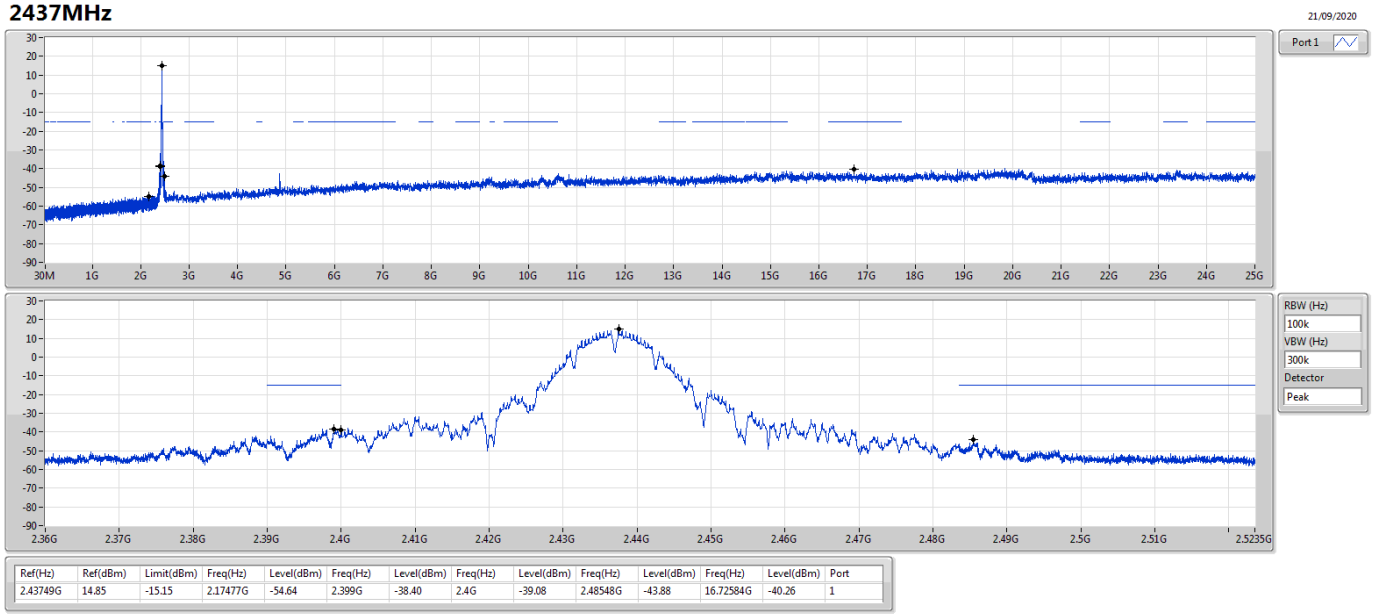
2412MHz



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	14.85	-15.15	2.30758G	-53.44	2.3985G	-25.60	2.4G	-29.40	2.49298G	-51.55	15.29577G	-40.45	1

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

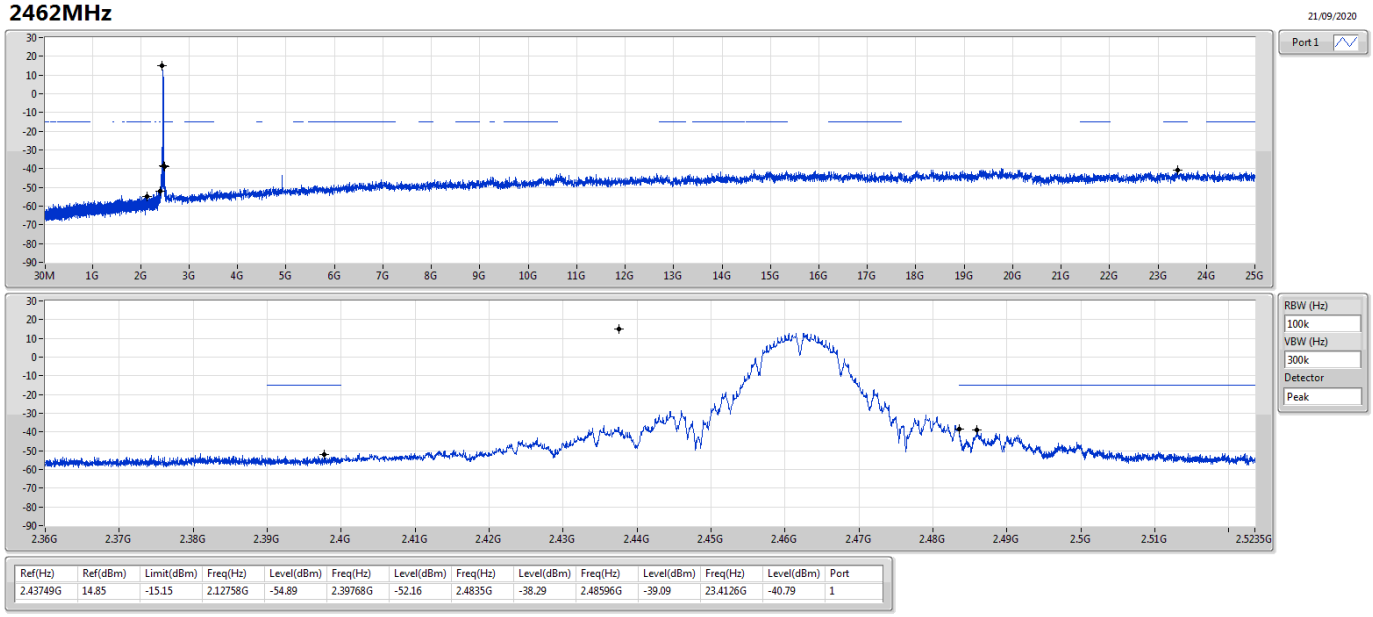
2437MHz



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	14.85	-15.15	2.17477G	-54.64	2.399G	-38.40	2.4G	-39.08	2.48548G	-43.88	16.72584G	-40.26	1

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

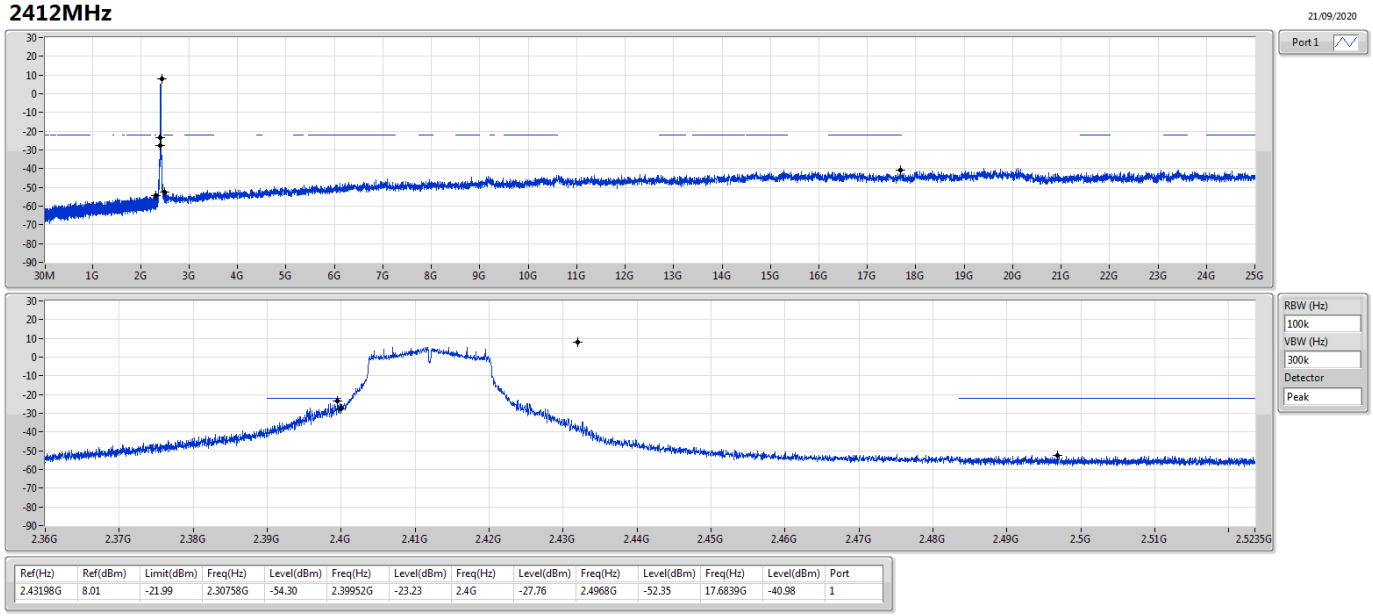
2462MHz



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	14.85	-15.15	2.12758G	-54.89	2.39768G	-52.16	2.4835G	-38.29	2.48596G	-39.09	23.4126G	-40.79	1

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

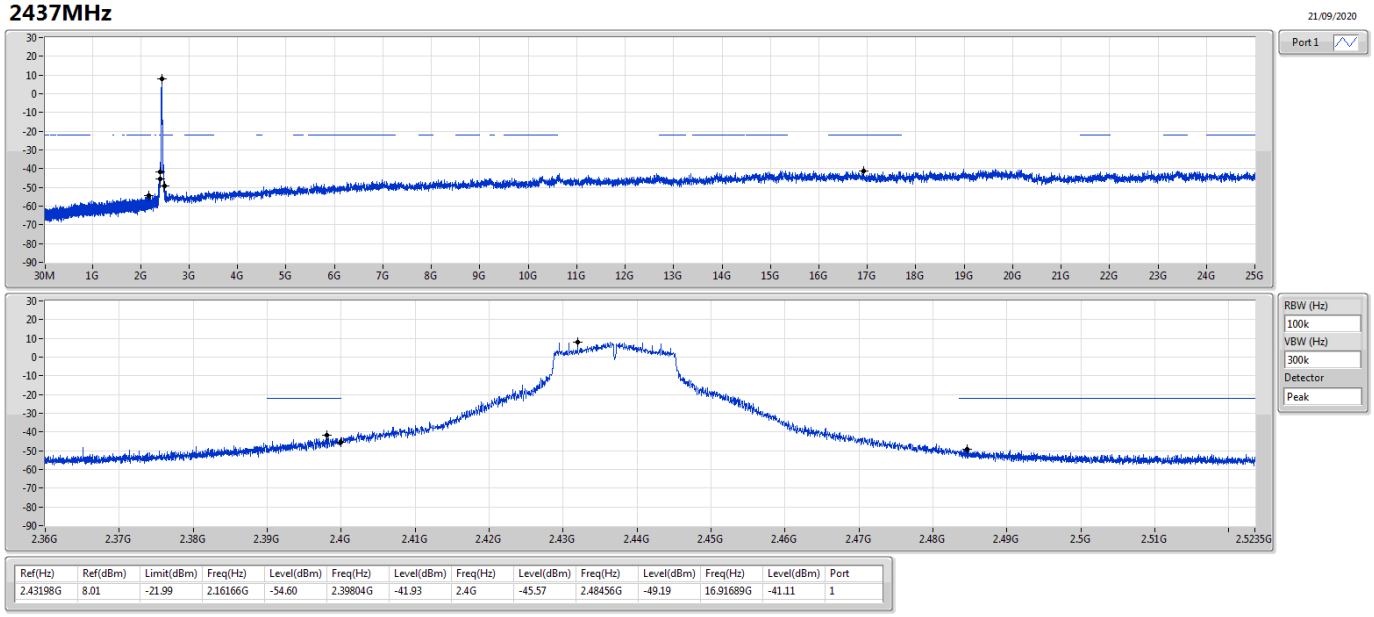
2412MHz



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
2.43198G	8.01	-21.99	2.30758G	-54.30	2.39952G	-23.23	2.4G	-27.76	2.4968G	-52.35	17.6839G	-40.98	1

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

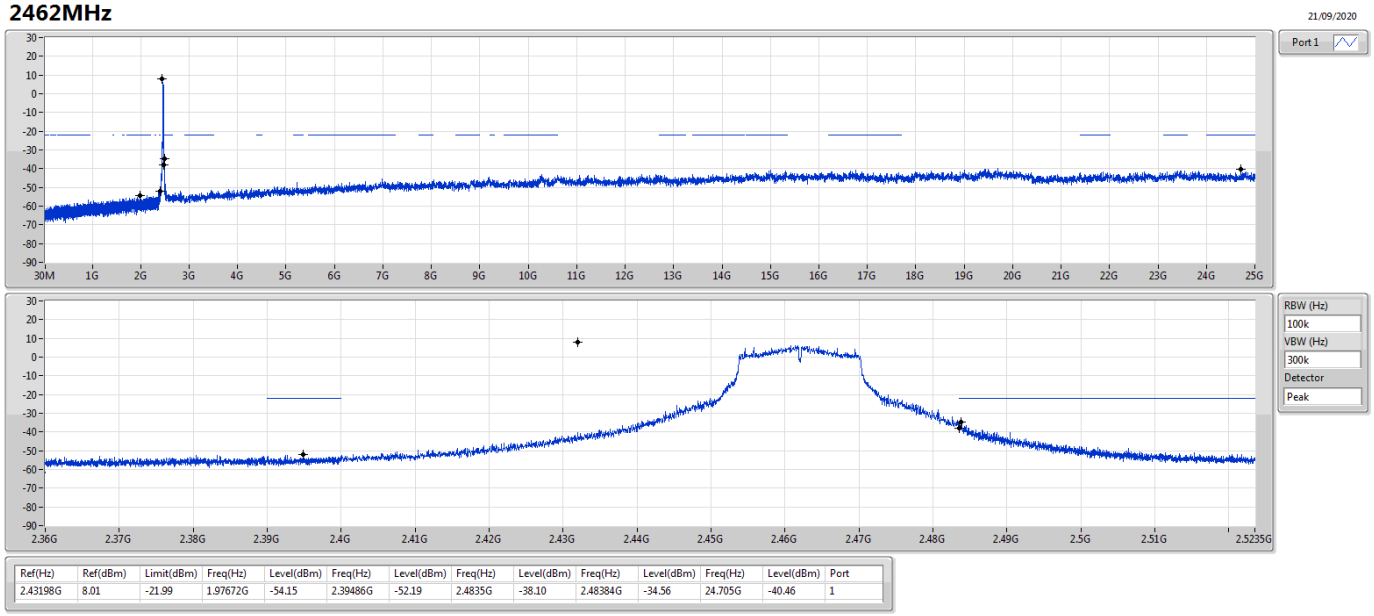
2437MHz



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
2.43198G	8.01	-21.99	2.16166G	-54.60	2.39804G	-41.93	2.4G	-45.57	2.48456G	-49.19	16.91689G	-41.11	1

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

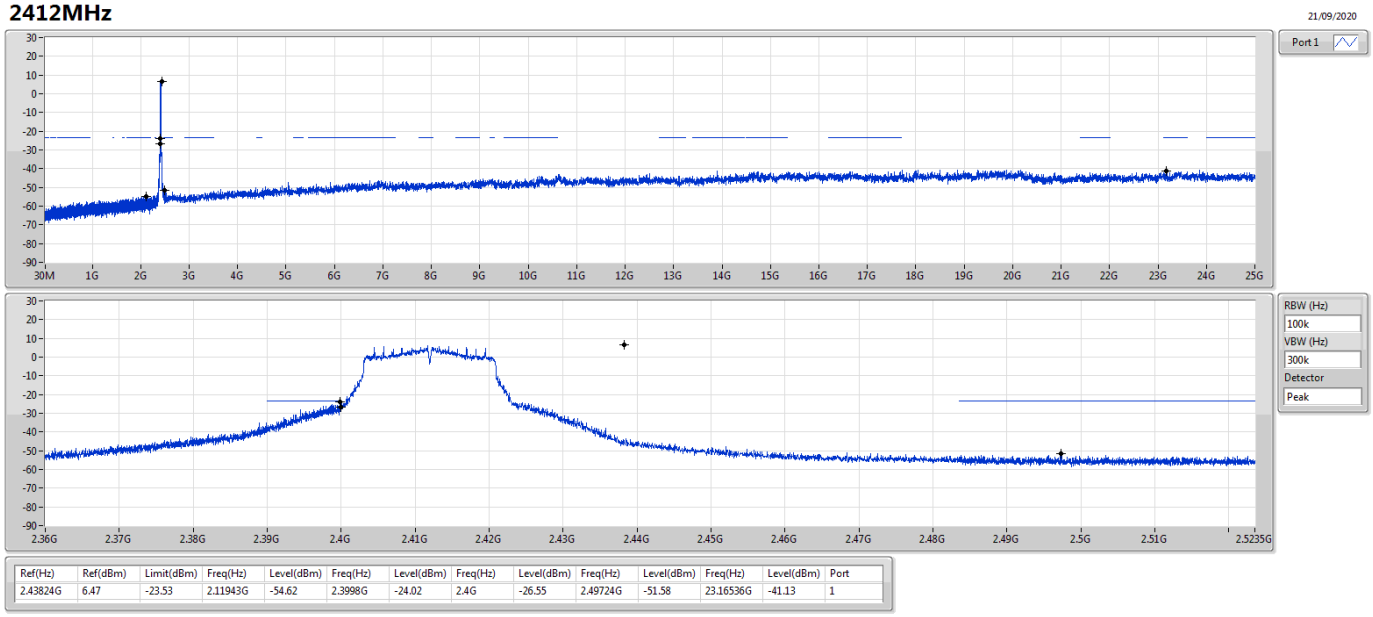
2462MHz



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
2.43198G	8.01	-21.99	1.97672G	-54.15	2.39486G	-52.19	2.4835G	-38.10	2.48384G	-34.56	24.705G	-40.46	1

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

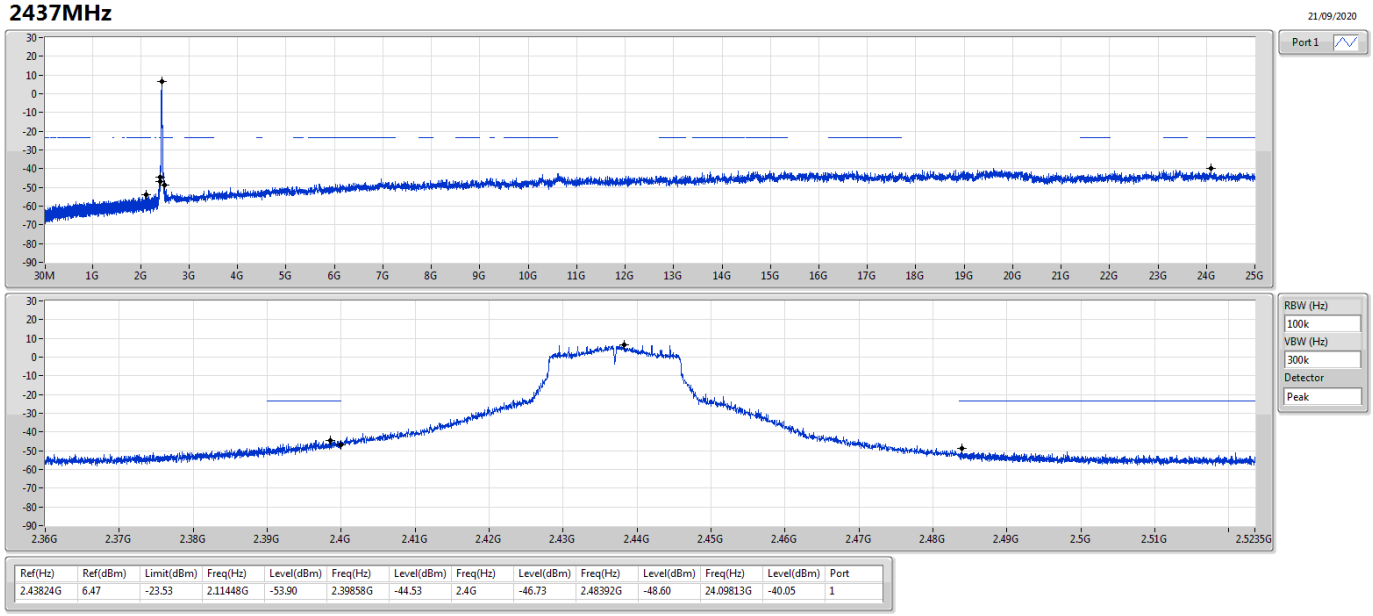
2412MHz



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
2.43824G	6.47	-23.53	2.11943G	-54.62	2.3998G	-24.02	2.4G	-26.55	2.49724G	-51.58	23.16536G	-41.13	1

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

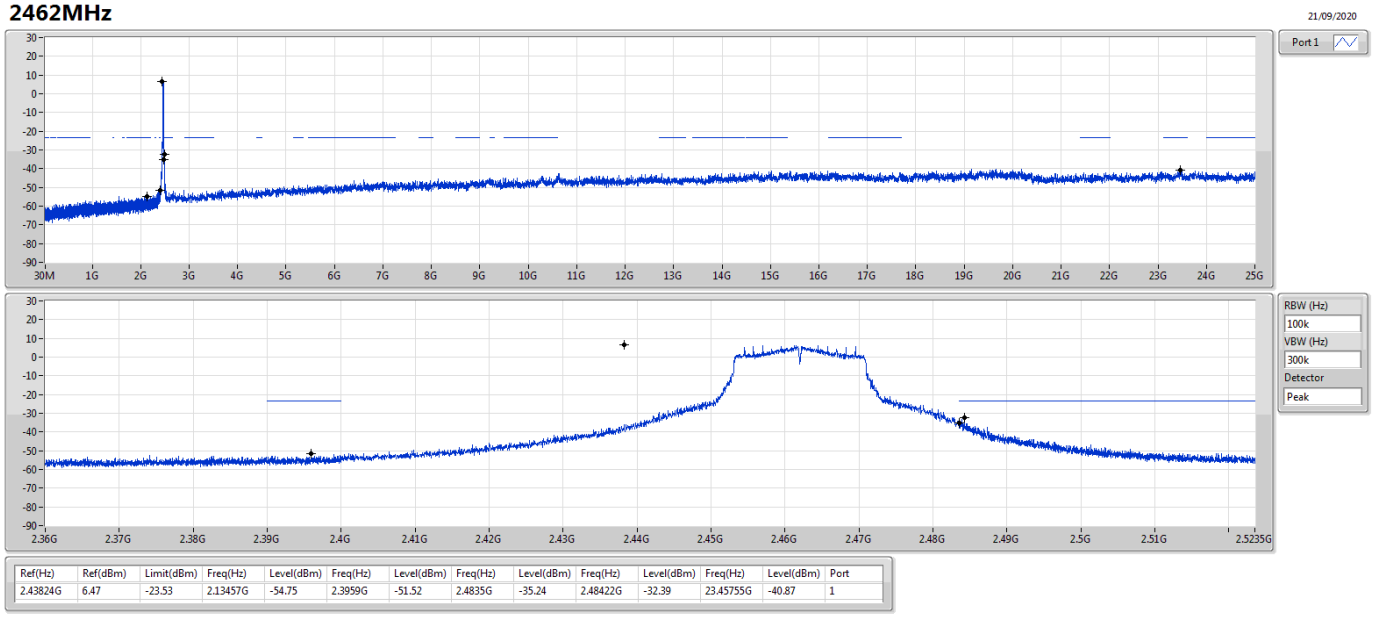
2437MHz



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
2.43824G	6.47	-23.53	2.11448G	-53.90	2.39858G	-44.53	2.4G	-46.73	2.48392G	-48.60	24.09813G	-40.05	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
2.43824G	6.47	-23.53	2.13457G	-54.75	2.3959G	-51.52	2.4835G	-35.24	2.48422G	-32.39	23.45755G	-40.87	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	404.42M	35.16	46.00	-10.84	3	Horizontal	360	1.00	-

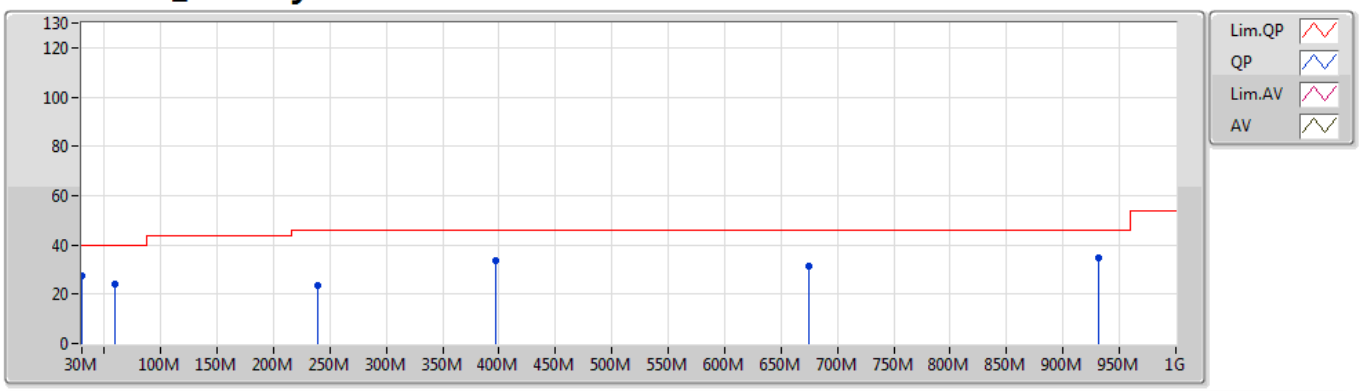
Result

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	27.73	40.00	-12.27	3	Vertical	0	1.00	-
2437MHz	Pass	PK	59.1M	24.12	40.00	-15.88	3	Vertical	0	1.00	-
2437MHz	Pass	PK	239.52M	23.66	46.00	-22.34	3	Vertical	0	1.00	-
2437MHz	Pass	PK	396.66M	33.47	46.00	-12.53	3	Vertical	0	1.00	-
2437MHz	Pass	PK	674.08M	31.54	46.00	-14.46	3	Vertical	0	1.00	-
2437MHz	Pass	PK	932.1M	34.95	46.00	-11.05	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	27.22	40.00	-12.78	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	128.94M	21.96	43.50	-21.54	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	245.34M	29.64	46.00	-16.36	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	404.42M	35.16	46.00	-10.84	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	625.58M	31.70	46.00	-14.30	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	858.38M	34.17	46.00	-11.83	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Battery

01/10/2020

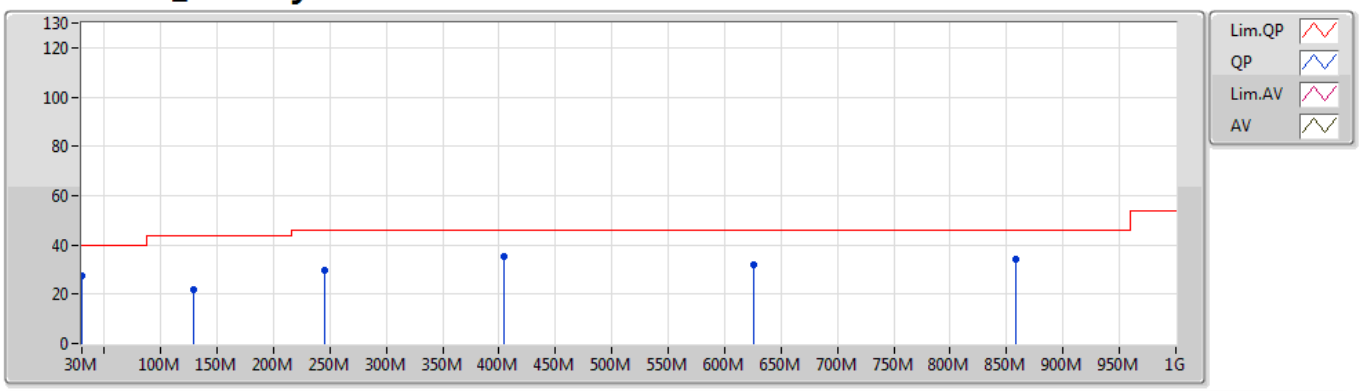


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	27.73	40.00	-12.27	-3.19	3	Vertical	0	1.00	-	30.92	23.32	0.70	27.21
PK	59.1M	24.12	40.00	-15.88	-15.04	3	Vertical	0	1.00	-	39.16	11.67	1.08	27.79
PK	239.52M	23.66	46.00	-22.34	-8.34	3	Vertical	0	1.00	-	32.00	16.42	2.34	27.10
PK	396.66M	33.47	46.00	-12.53	-3.83	3	Vertical	0	1.00	-	37.30	20.88	2.99	27.70
PK	674.08M	31.54	46.00	-14.46	0.08	3	Vertical	0	1.00	-	31.46	24.18	4.10	28.20
PK	932.1M	34.95	46.00	-11.05	3.39	3	Vertical	0	1.00	-	31.56	25.83	4.86	27.30

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Battery

01/10/2020



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	27.22	40.00	-12.78	-3.19	3	Horizontal	360	1.00	-	30.41	23.32	0.70	27.21
PK	128.94M	21.96	43.50	-21.54	-8.91	3	Horizontal	360	1.00	-	30.87	17.12	1.64	27.67
PK	245.34M	29.64	46.00	-16.36	-7.67	3	Horizontal	360	1.00	-	37.31	17.03	2.37	27.07
PK	404.42M	35.16	46.00	-10.84	-3.46	3	Horizontal	360	1.00	-	38.62	21.28	3.02	27.76
PK	625.58M	31.70	46.00	-14.30	-0.06	3	Horizontal	360	1.00	-	31.76	24.34	3.90	28.30
PK	858.38M	34.17	46.00	-11.83	2.60	3	Horizontal	360	1.00	-	31.57	25.54	4.63	27.57

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	2.4835G	52.54	54.00	-1.46	3	Vertical	49	1.43	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	51.90	54.00	-2.10	3	Vertical	117	1.40	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	52.89	54.00	-1.11	3	Vertical	116	1.38	-

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	2.3872G	51.77	54.00	-2.23	3	Vertical	43	1.50	-
2412MHz	Pass	AV	2.4112G	102.23	Inf	-Inf	3	Vertical	43	1.50	-
2412MHz	Pass	PK	2.3868G	60.45	74.00	-13.55	3	Vertical	43	1.50	-
2412MHz	Pass	PK	2.413G	106.04	Inf	-Inf	3	Vertical	43	1.50	-
2412MHz	Pass	AV	2.3876G	48.47	54.00	-5.53	3	Horizontal	194	1.81	-
2412MHz	Pass	AV	2.4112G	99.36	Inf	-Inf	3	Horizontal	194	1.81	-
2412MHz	Pass	PK	2.3852G	58.72	74.00	-15.28	3	Horizontal	194	1.81	-
2412MHz	Pass	PK	2.411G	103.12	Inf	-Inf	3	Horizontal	194	1.81	-
2412MHz	Pass	AV	4.82396G	32.28	54.00	-21.72	3	Vertical	255	2.92	-
2412MHz	Pass	PK	4.824G	43.78	74.00	-30.22	3	Vertical	255	2.92	-
2412MHz	Pass	AV	4.82392G	29.81	54.00	-24.19	3	Horizontal	29	2.69	-
2412MHz	Pass	PK	4.82164G	43.47	74.00	-30.53	3	Horizontal	29	2.69	-
2417MHz	Pass	AV	2.39G	52.32	54.00	-1.68	3	Vertical	41	1.49	-
2417MHz	Pass	AV	2.4162G	103.30	Inf	-Inf	3	Vertical	41	1.49	-
2417MHz	Pass	PK	2.3884G	61.10	74.00	-12.90	3	Vertical	41	1.49	-
2417MHz	Pass	PK	2.416G	106.99	Inf	-Inf	3	Vertical	41	1.49	-
2417MHz	Pass	AV	2.39G	49.70	54.00	-4.30	3	Horizontal	198	1.56	-
2417MHz	Pass	AV	2.4162G	98.60	Inf	-Inf	3	Horizontal	198	1.56	-
2417MHz	Pass	PK	2.3886G	59.02	74.00	-14.98	3	Horizontal	198	1.56	-
2417MHz	Pass	PK	2.416G	102.37	Inf	-Inf	3	Horizontal	198	1.56	-
2437MHz	Pass	AV	2.3882G	48.73	54.00	-5.27	3	Vertical	119	1.00	-
2437MHz	Pass	AV	2.4362G	104.12	Inf	-Inf	3	Vertical	119	1.00	-
2437MHz	Pass	AV	2.4858G	47.13	54.00	-6.87	3	Vertical	119	1.00	-
2437MHz	Pass	PK	2.3878G	58.23	74.00	-15.77	3	Vertical	119	1.00	-
2437MHz	Pass	PK	2.4362G	107.91	Inf	-Inf	3	Vertical	119	1.00	-
2437MHz	Pass	PK	2.4882G	57.66	74.00	-16.34	3	Vertical	119	1.00	-
2437MHz	Pass	AV	2.3882G	47.05	54.00	-6.95	3	Horizontal	256	1.26	-
2437MHz	Pass	AV	2.4362G	99.90	Inf	-Inf	3	Horizontal	256	1.26	-
2437MHz	Pass	AV	2.4858G	45.87	54.00	-8.13	3	Horizontal	256	1.26	-
2437MHz	Pass	PK	2.3382G	58.20	74.00	-15.80	3	Horizontal	256	1.26	-
2437MHz	Pass	PK	2.4362G	103.63	Inf	-Inf	3	Horizontal	256	1.26	-
2437MHz	Pass	PK	2.4878G	56.98	74.00	-17.02	3	Horizontal	256	1.26	-
2437MHz	Pass	AV	4.86026G	29.65	54.00	-24.35	3	Vertical	196	1.48	-
2437MHz	Pass	PK	4.87244G	43.16	74.00	-30.84	3	Vertical	196	1.48	-
2437MHz	Pass	AV	4.87382G	30.10	54.00	-23.90	3	Horizontal	126	1.49	-
2437MHz	Pass	PK	4.85954G	44.13	74.00	-29.87	3	Horizontal	126	1.49	-
2457MHz	Pass	AV	2.4562G	102.69	Inf	-Inf	3	Vertical	135	1.00	-
2457MHz	Pass	AV	2.4838G	50.74	54.00	-3.26	3	Vertical	135	1.00	-
2457MHz	Pass	PK	2.456G	106.41	Inf	-Inf	3	Vertical	135	1.00	-
2457MHz	Pass	PK	2.484G	59.83	74.00	-14.17	3	Vertical	135	1.00	-
2457MHz	Pass	AV	2.4562G	98.83	Inf	-Inf	3	Horizontal	249	1.01	-
2457MHz	Pass	AV	2.4836G	47.49	54.00	-6.51	3	Horizontal	249	1.01	-
2457MHz	Pass	PK	2.456G	102.62	Inf	-Inf	3	Horizontal	249	1.01	-
2457MHz	Pass	PK	2.4835G	57.96	74.00	-16.04	3	Horizontal	249	1.01	-
2462MHz	Pass	AV	2.4612G	102.64	Inf	-Inf	3	Vertical	49	1.43	-
2462MHz	Pass	AV	2.4835G	52.54	54.00	-1.46	3	Vertical	49	1.43	-
2462MHz	Pass	PK	2.463G	106.45	Inf	-Inf	3	Vertical	49	1.43	-
2462MHz	Pass	PK	2.4856G	60.41	74.00	-13.59	3	Vertical	49	1.43	-
2462MHz	Pass	AV	2.4612G	102.29	Inf	-Inf	3	Horizontal	74	0.99	-
2462MHz	Pass	AV	2.4835G	51.59	54.00	-2.41	3	Horizontal	74	0.99	-
2462MHz	Pass	PK	2.461G	106.06	Inf	-Inf	3	Horizontal	74	0.99	-
2462MHz	Pass	PK	2.4835G	59.62	74.00	-14.38	3	Horizontal	74	0.99	-
2462MHz	Pass	AV	4.92394G	40.34	54.00	-13.66	3	Vertical	133	2.74	-
2462MHz	Pass	PK	4.92382G	46.74	74.00	-27.26	3	Vertical	133	2.74	-
2462MHz	Pass	AV	4.92401G	36.92	54.00	-17.08	3	Horizontal	149	1.71	-
2462MHz	Pass	PK	4.92396G	46.21	74.00	-27.79	3	Horizontal	149	1.71	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.25	54.00	-3.75	3	Vertical	39	1.48	-
2412MHz	Pass	AV	2.4114G	95.05	Inf	-Inf	3	Vertical	39	1.48	-
2412MHz	Pass	PK	2.3898G	63.33	74.00	-10.67	3	Vertical	39	1.48	-

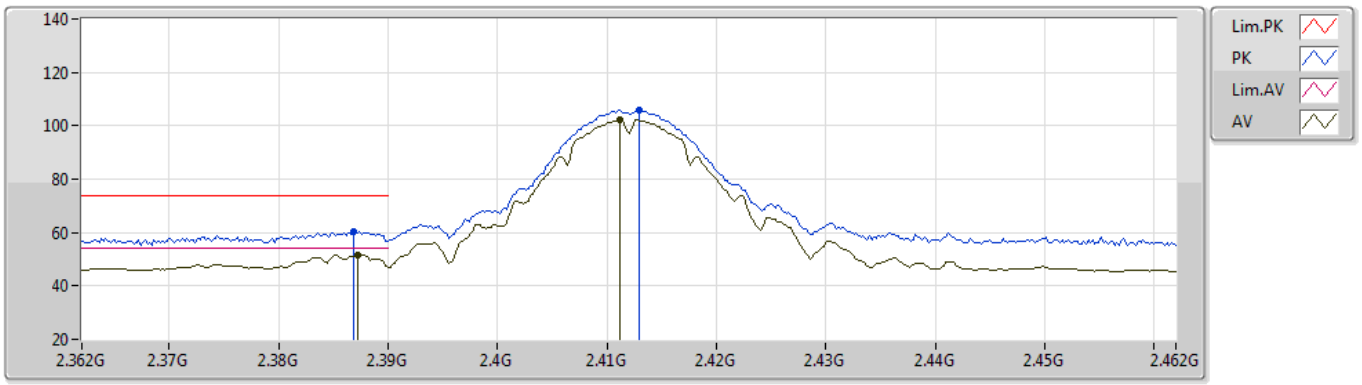
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.412G	105.23	Inf	-Inf	3	Vertical	39	1.48	-
2412MHz	Pass	AV	2.39G	48.29	54.00	-5.71	3	Horizontal	190	2.32	-
2412MHz	Pass	AV	2.4114G	91.70	Inf	-Inf	3	Horizontal	190	2.32	-
2412MHz	Pass	PK	2.3896G	60.93	74.00	-13.07	3	Horizontal	190	2.32	-
2412MHz	Pass	PK	2.412G	101.83	Inf	-Inf	3	Horizontal	190	2.32	-
2412MHz	Pass	AV	4.8303G	29.35	54.00	-24.65	3	Vertical	128	1.35	-
2412MHz	Pass	PK	4.82622G	42.84	74.00	-31.16	3	Vertical	128	1.35	-
2412MHz	Pass	AV	4.82772G	29.37	54.00	-24.63	3	Horizontal	133	1.14	-
2412MHz	Pass	PK	4.82652G	43.54	74.00	-30.46	3	Horizontal	133	1.14	-
2417MHz	Pass	AV	2.39G	48.04	54.00	-5.96	3	Vertical	40	1.49	-
2417MHz	Pass	AV	2.4164G	94.79	Inf	-Inf	3	Vertical	40	1.49	-
2417MHz	Pass	PK	2.389G	60.30	74.00	-13.70	3	Vertical	40	1.49	-
2417MHz	Pass	PK	2.4164G	104.74	Inf	-Inf	3	Vertical	40	1.49	-
2417MHz	Pass	AV	2.3898G	46.95	54.00	-7.05	3	Horizontal	190	2.35	-
2417MHz	Pass	AV	2.4166G	91.33	Inf	-Inf	3	Horizontal	190	2.35	-
2417MHz	Pass	PK	2.3892G	58.87	74.00	-15.13	3	Horizontal	190	2.35	-
2417MHz	Pass	PK	2.417G	101.43	Inf	-Inf	3	Horizontal	190	2.35	-
2437MHz	Pass	AV	2.3894G	46.19	54.00	-7.81	3	Vertical	119	1.53	-
2437MHz	Pass	AV	2.4366G	96.92	Inf	-Inf	3	Vertical	119	1.53	-
2437MHz	Pass	AV	2.4846G	45.82	54.00	-8.18	3	Vertical	119	1.53	-
2437MHz	Pass	PK	2.389G	58.95	74.00	-15.05	3	Vertical	119	1.53	-
2437MHz	Pass	PK	2.4366G	106.86	Inf	-Inf	3	Vertical	119	1.53	-
2437MHz	Pass	PK	2.4886G	56.87	74.00	-17.13	3	Vertical	119	1.53	-
2437MHz	Pass	AV	2.3482G	45.83	54.00	-8.17	3	Horizontal	256	1.28	-
2437MHz	Pass	AV	2.4366G	92.51	Inf	-Inf	3	Horizontal	256	1.28	-
2437MHz	Pass	AV	2.4918G	45.51	54.00	-8.49	3	Horizontal	256	1.28	-
2437MHz	Pass	PK	2.3734G	58.53	74.00	-15.47	3	Horizontal	256	1.28	-
2437MHz	Pass	PK	2.437G	102.71	Inf	-Inf	3	Horizontal	256	1.28	-
2437MHz	Pass	PK	2.4838G	58.38	74.00	-15.62	3	Horizontal	256	1.28	-
2437MHz	Pass	AV	4.87496G	29.52	54.00	-24.48	3	Vertical	300	2.04	-
2437MHz	Pass	PK	4.8629G	43.03	74.00	-30.97	3	Vertical	300	2.04	-
2437MHz	Pass	AV	4.87268G	29.56	54.00	-24.44	3	Horizontal	137	1.49	-
2437MHz	Pass	PK	4.86164G	43.01	74.00	-30.99	3	Horizontal	137	1.49	-
2457MHz	Pass	AV	2.4564G	96.80	Inf	-Inf	3	Vertical	118	1.48	-
2457MHz	Pass	AV	2.4835G	50.07	54.00	-3.93	3	Vertical	118	1.48	-
2457MHz	Pass	PK	2.457G	106.82	Inf	-Inf	3	Vertical	118	1.48	-
2457MHz	Pass	PK	2.4838G	64.42	74.00	-9.58	3	Vertical	118	1.48	-
2457MHz	Pass	AV	2.4566G	92.08	Inf	-Inf	3	Horizontal	246	1.43	-
2457MHz	Pass	AV	2.4835G	47.34	54.00	-6.66	3	Horizontal	246	1.43	-
2457MHz	Pass	PK	2.457G	102.09	Inf	-Inf	3	Horizontal	246	1.43	-
2457MHz	Pass	PK	2.4864G	59.77	74.00	-14.23	3	Horizontal	246	1.43	-
2462MHz	Pass	AV	2.4626G	95.57	Inf	-Inf	3	Vertical	117	1.40	-
2462MHz	Pass	AV	2.4835G	51.90	54.00	-2.10	3	Vertical	117	1.40	-
2462MHz	Pass	PK	2.4632G	105.86	Inf	-Inf	3	Vertical	117	1.40	-
2462MHz	Pass	PK	2.4835G	68.86	74.00	-5.14	3	Vertical	117	1.40	-
2462MHz	Pass	AV	2.4626G	90.78	Inf	-Inf	3	Horizontal	246	1.42	-
2462MHz	Pass	AV	2.4835G	48.66	54.00	-5.34	3	Horizontal	246	1.42	-
2462MHz	Pass	PK	2.4634G	101.00	Inf	-Inf	3	Horizontal	246	1.42	-
2462MHz	Pass	PK	2.4836G	63.35	74.00	-10.65	3	Horizontal	246	1.42	-
2462MHz	Pass	AV	4.92598G	30.11	54.00	-23.89	3	Vertical	150	1.37	-
2462MHz	Pass	PK	4.92916G	44.27	74.00	-29.73	3	Vertical	150	1.37	-
2462MHz	Pass	AV	4.92796G	30.00	54.00	-24.00	3	Horizontal	274	1.48	-
2462MHz	Pass	PK	4.92718G	43.52	74.00	-30.48	3	Horizontal	274	1.48	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.82	54.00	-1.18	3	Vertical	117	1.09	-
2412MHz	Pass	AV	2.4114G	96.27	Inf	-Inf	3	Vertical	117	1.09	-
2412MHz	Pass	PK	2.3898G	71.06	74.00	-2.94	3	Vertical	117	1.09	-
2412MHz	Pass	PK	2.4108G	107.20	Inf	-Inf	3	Vertical	117	1.09	-
2412MHz	Pass	AV	2.39G	49.49	54.00	-4.51	3	Horizontal	192	1.37	-
2412MHz	Pass	AV	2.4116G	92.21	Inf	-Inf	3	Horizontal	192	1.37	-
2412MHz	Pass	PK	2.3892G	65.03	74.00	-8.97	3	Horizontal	192	1.37	-
2412MHz	Pass	PK	2.4102G	103.91	Inf	-Inf	3	Horizontal	192	1.37	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.82738G	29.45	54.00	-24.55	3	Vertical	169	1.48	-
2412MHz	Pass	PK	4.82666G	43.70	74.00	-30.30	3	Vertical	169	1.48	-
2412MHz	Pass	AV	4.82708G	29.53	54.00	-24.47	3	Horizontal	147	2.67	-
2412MHz	Pass	PK	4.8289G	43.29	74.00	-30.71	3	Horizontal	147	2.67	-
2437MHz	Pass	AV	2.389G	46.02	54.00	-7.98	3	Vertical	119	1.54	-
2437MHz	Pass	AV	2.4366G	95.27	Inf	-Inf	3	Vertical	119	1.54	-
2437MHz	Pass	AV	2.4835G	45.66	54.00	-8.34	3	Vertical	119	1.54	-
2437MHz	Pass	PK	2.3402G	57.87	74.00	-16.13	3	Vertical	119	1.54	-
2437MHz	Pass	PK	2.4386G	106.50	Inf	-Inf	3	Vertical	119	1.54	-
2437MHz	Pass	PK	2.485G	57.35	74.00	-16.65	3	Vertical	119	1.54	-
2437MHz	Pass	AV	2.343G	45.81	54.00	-8.19	3	Horizontal	255	1.49	-
2437MHz	Pass	AV	2.4366G	90.27	Inf	-Inf	3	Horizontal	255	1.49	-
2437MHz	Pass	AV	2.4886G	45.47	54.00	-8.53	3	Horizontal	255	1.49	-
2437MHz	Pass	PK	2.3466G	57.86	74.00	-16.14	3	Horizontal	255	1.49	-
2437MHz	Pass	PK	2.4382G	101.15	Inf	-Inf	3	Horizontal	255	1.49	-
2437MHz	Pass	PK	2.495G	57.04	74.00	-16.96	3	Horizontal	255	1.49	-
2437MHz	Pass	AV	4.8752G	29.78	54.00	-24.22	3	Vertical	159	1.49	-
2437MHz	Pass	PK	4.86446G	43.53	74.00	-30.47	3	Vertical	159	1.49	-
2437MHz	Pass	AV	4.86182G	29.70	54.00	-24.30	3	Horizontal	265	1.48	-
2437MHz	Pass	PK	4.87076G	43.74	74.00	-30.26	3	Horizontal	265	1.48	-
2462MHz	Pass	AV	2.4626G	95.12	Inf	-Inf	3	Vertical	116	1.38	-
2462MHz	Pass	AV	2.4835G	52.89	54.00	-1.11	3	Vertical	116	1.38	-
2462MHz	Pass	PK	2.463G	106.35	Inf	-Inf	3	Vertical	116	1.38	-
2462MHz	Pass	PK	2.4844G	69.59	74.00	-4.41	3	Vertical	116	1.38	-
2462MHz	Pass	AV	2.4616G	89.72	Inf	-Inf	3	Horizontal	245	1.49	-
2462MHz	Pass	AV	2.4835G	49.08	54.00	-4.92	3	Horizontal	245	1.49	-
2462MHz	Pass	PK	2.4638G	101.05	Inf	-Inf	3	Horizontal	245	1.49	-
2462MHz	Pass	PK	2.4836G	66.71	74.00	-7.29	3	Horizontal	245	1.49	-
2462MHz	Pass	AV	4.92886G	29.88	54.00	-24.12	3	Vertical	101	1.22	-
2462MHz	Pass	PK	4.92742G	43.25	74.00	-30.75	3	Vertical	101	1.22	-
2462MHz	Pass	AV	4.92586G	30.13	54.00	-23.87	3	Horizontal	190	1.74	-
2462MHz	Pass	PK	4.93528G	44.05	74.00	-29.95	3	Horizontal	190	1.74	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/09/2020

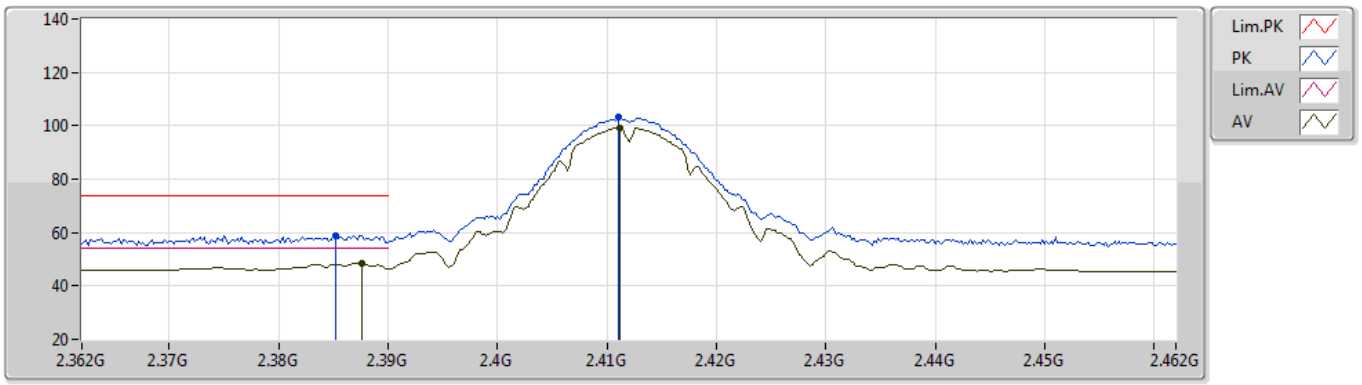


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3872G	51.77	54.00	-2.23	33.58	3	Vertical	43	1.50	-	18.19	27.63	5.95	-
AV	2.4112G	102.23	Inf	-Inf	33.53	3	Vertical	43	1.50	-	68.70	27.56	5.97	-
PK	2.3868G	60.45	74.00	-13.55	33.58	3	Vertical	43	1.50	-	26.87	27.63	5.95	-
PK	2.413G	106.04	Inf	-Inf	33.53	3	Vertical	43	1.50	-	72.51	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/09/2020

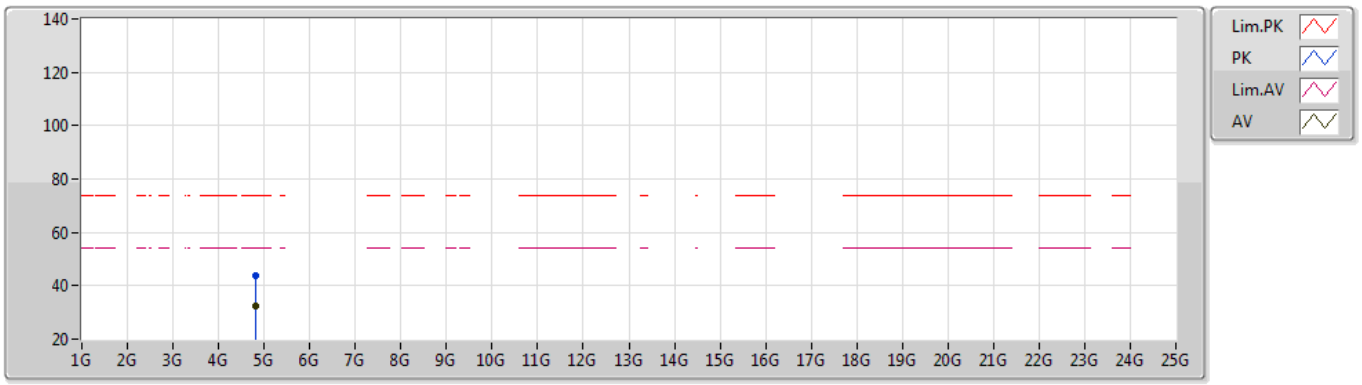


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3876G	48.47	54.00	-5.53	33.57	3	Horizontal	194	1.81	-	14.90	27.62	5.95	-
AV	2.4112G	99.36	Inf	-Inf	33.53	3	Horizontal	194	1.81	-	65.83	27.56	5.97	-
PK	2.3852G	58.72	74.00	-15.28	33.58	3	Horizontal	194	1.81	-	25.14	27.63	5.95	-
PK	2.411G	103.12	Inf	-Inf	33.53	3	Horizontal	194	1.81	-	69.59	27.56	5.97	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

09/09/2020

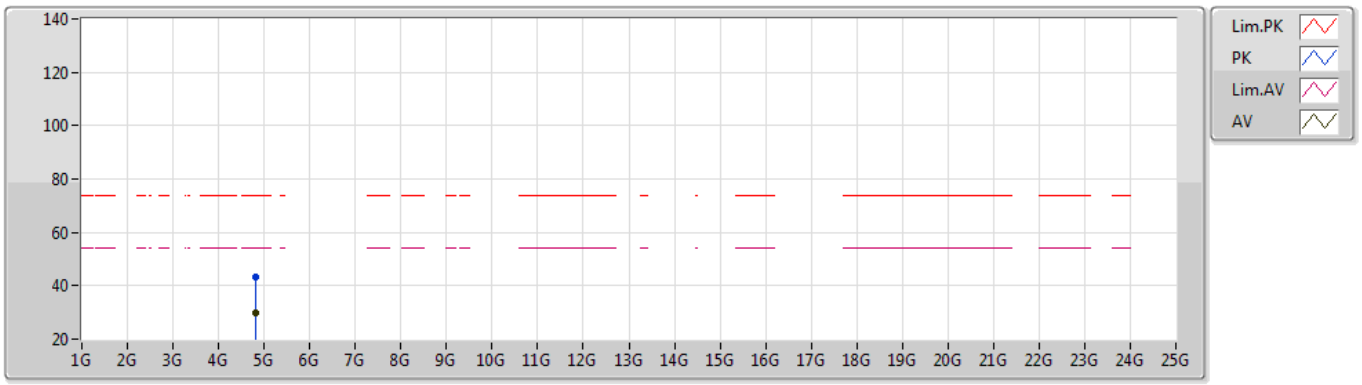


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82396G	32.28	54.00	-21.72	5.37	3	Vertical	255	2.92	-	26.91	31.00	8.27	33.90
PK	4.824G	43.78	74.00	-30.22	5.37	3	Vertical	255	2.92	-	38.41	31.00	8.27	33.90

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

09/09/2020

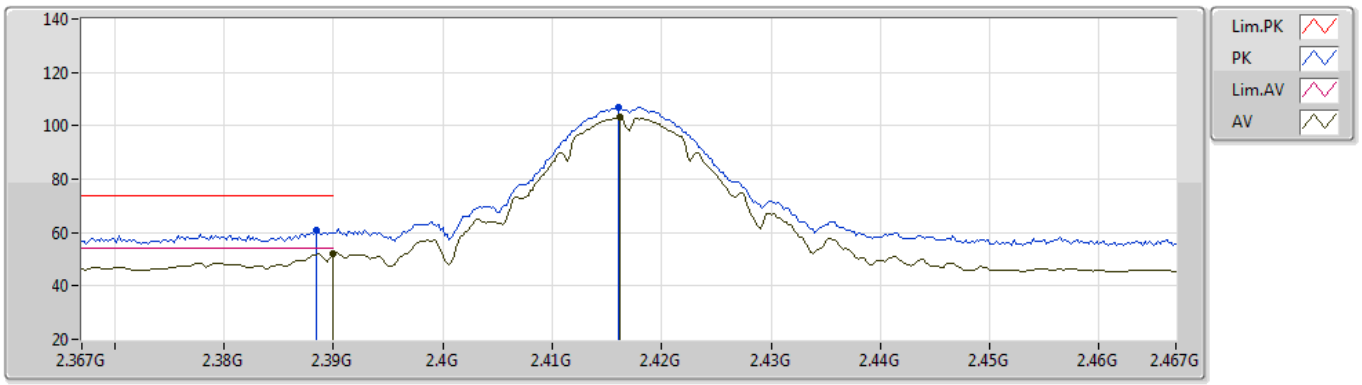


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82392G	29.81	54.00	-24.19	5.37	3	Horizontal	29	2.69	-	24.44	31.00	8.27	33.90
PK	4.82164G	43.47	74.00	-30.53	5.35	3	Horizontal	29	2.69	-	38.12	30.99	8.26	33.90

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

16/09/2020

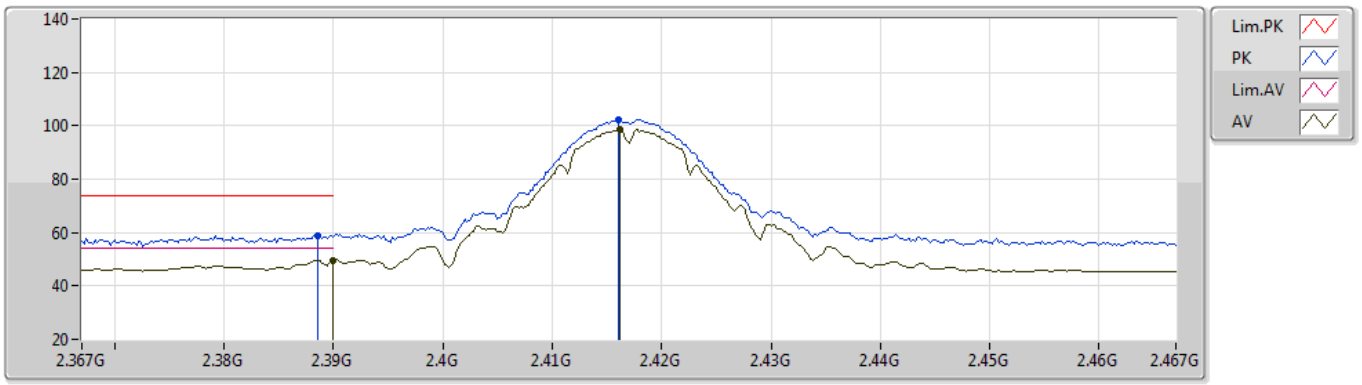


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.32	54.00	-1.68	33.57	3	Vertical	41	1.49	-	18.75	27.62	5.95	-
AV	2.4162G	103.30	Inf	-Inf	33.52	3	Vertical	41	1.49	-	69.78	27.54	5.98	-
PK	2.3884G	61.10	74.00	-12.90	33.57	3	Vertical	41	1.49	-	27.53	27.62	5.95	-
PK	2.416G	106.99	Inf	-Inf	33.52	3	Vertical	41	1.49	-	73.47	27.54	5.98	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

16/09/2020

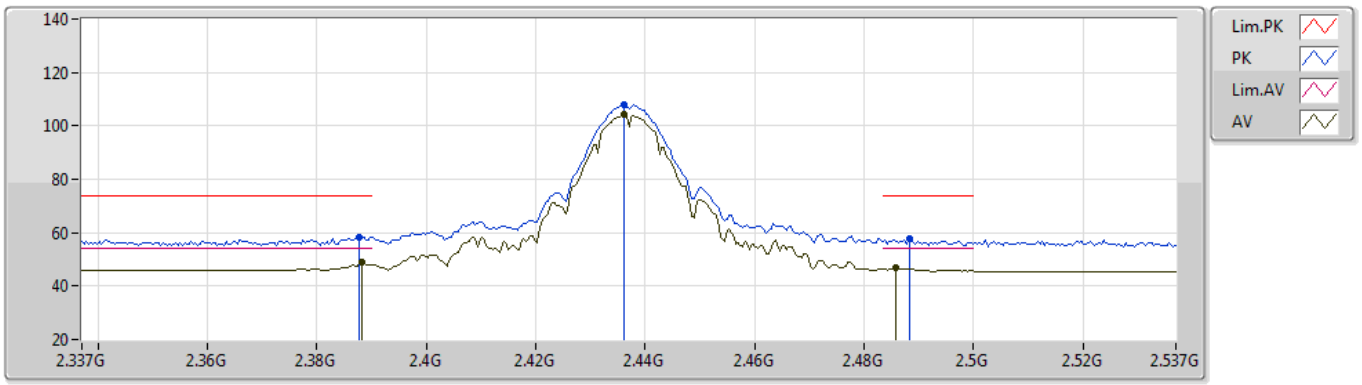


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.70	54.00	-4.30	33.57	3	Horizontal	198	1.56	-	16.13	27.62	5.95	-
AV	2.4162G	98.60	Inf	-Inf	33.52	3	Horizontal	198	1.56	-	65.08	27.54	5.98	-
PK	2.3886G	59.02	74.00	-14.98	33.57	3	Horizontal	198	1.56	-	25.45	27.62	5.95	-
PK	2.416G	102.37	Inf	-Inf	33.52	3	Horizontal	198	1.56	-	68.85	27.54	5.98	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/09/2020

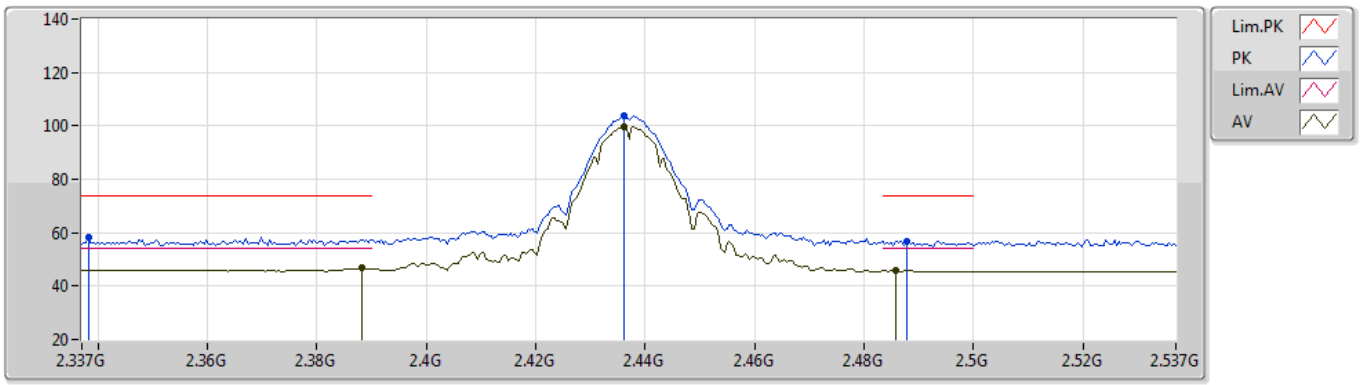


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3882G	48.73	54.00	-5.27	33.57	3	Vertical	119	1.00	-	15.16	27.62	5.95	-
AV	2.4362G	104.12	Inf	-Inf	33.46	3	Vertical	119	1.00	-	70.66	27.46	6.00	-
AV	2.4858G	47.13	54.00	-6.87	33.46	3	Vertical	119	1.00	-	13.67	27.40	6.06	-
PK	2.3878G	58.23	74.00	-15.77	33.57	3	Vertical	119	1.00	-	24.66	27.62	5.95	-
PK	2.4362G	107.91	Inf	-Inf	33.46	3	Vertical	119	1.00	-	74.45	27.46	6.00	-
PK	2.4882G	57.66	74.00	-16.34	33.47	3	Vertical	119	1.00	-	24.19	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/09/2020

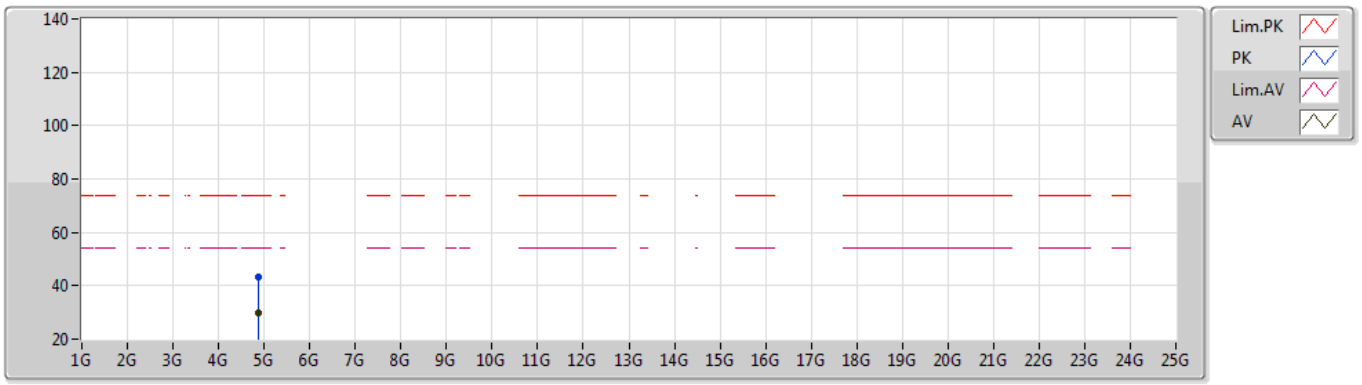


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3882G	47.05	54.00	-6.95	33.57	3	Horizontal	256	1.26	-	13.48	27.62	5.95	-
AV	2.4362G	99.90	Inf	-Inf	33.46	3	Horizontal	256	1.26	-	66.44	27.46	6.00	-
AV	2.4858G	45.87	54.00	-8.13	33.46	3	Horizontal	256	1.26	-	12.41	27.40	6.06	-
PK	2.3382G	58.20	74.00	-15.80	33.66	3	Horizontal	256	1.26	-	24.54	27.75	5.91	-
PK	2.4362G	103.63	Inf	-Inf	33.46	3	Horizontal	256	1.26	-	70.17	27.46	6.00	-
PK	2.4878G	56.98	74.00	-17.02	33.47	3	Horizontal	256	1.26	-	23.51	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

09/09/2020

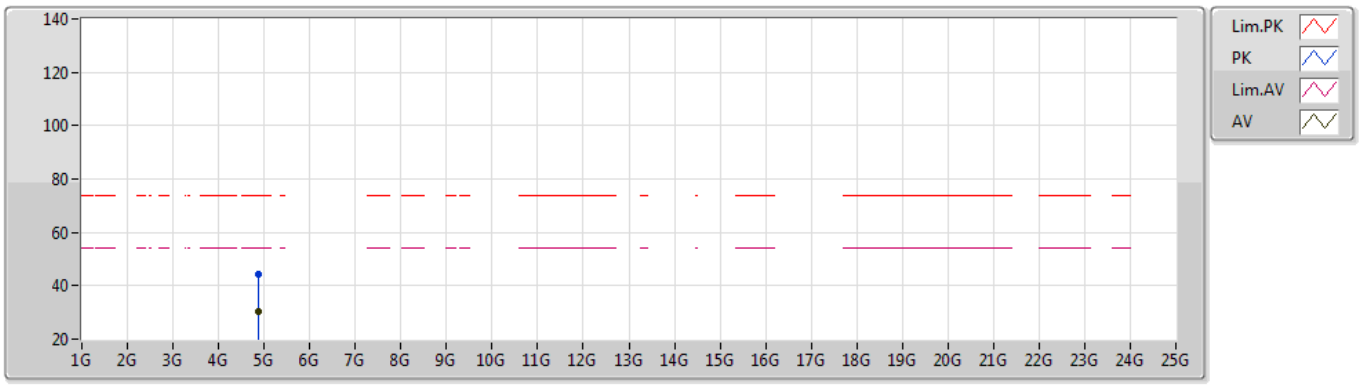


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86026G	29.65	54.00	-24.35	5.49	3	Vertical	196	1.48	-	24.16	31.08	8.29	33.88
PK	4.87244G	43.16	74.00	-30.84	5.49	3	Vertical	196	1.48	-	37.67	31.06	8.30	33.87

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

09/09/2020

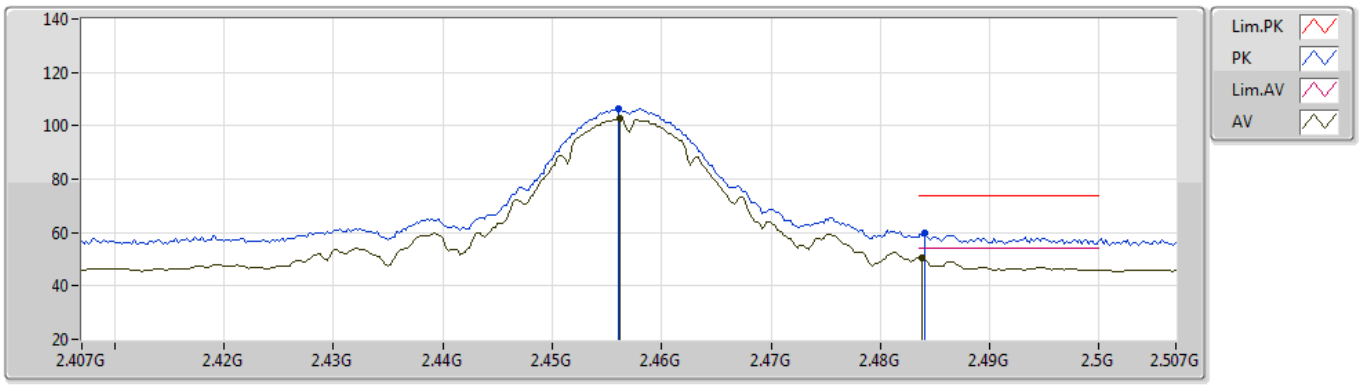


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87382G	30.10	54.00	-23.90	5.48	3	Horizontal	126	1.49	-	24.62	31.05	8.30	33.87
PK	4.85954G	44.13	74.00	-29.87	5.49	3	Horizontal	126	1.49	-	38.64	31.08	8.29	33.88

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

16/09/2020

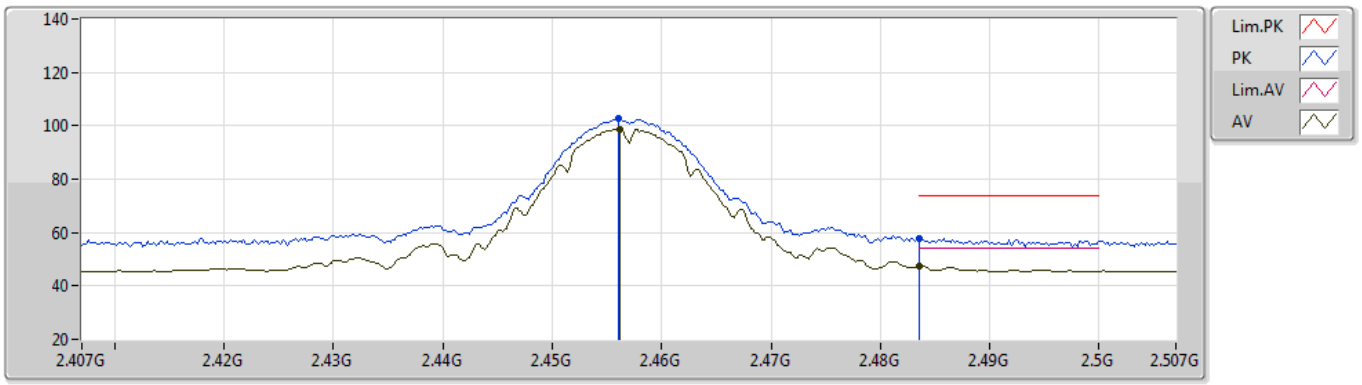


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	102.69	Inf	-Inf	33.43	3	Vertical	135	1.00	-	69.26	27.40	6.03	-
AV	2.4838G	50.74	54.00	-3.26	33.46	3	Vertical	135	1.00	-	17.28	27.40	6.06	-
PK	2.456G	106.41	Inf	-Inf	33.43	3	Vertical	135	1.00	-	72.98	27.40	6.03	-
PK	2.484G	59.83	74.00	-14.17	33.46	3	Vertical	135	1.00	-	26.37	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

16/09/2020

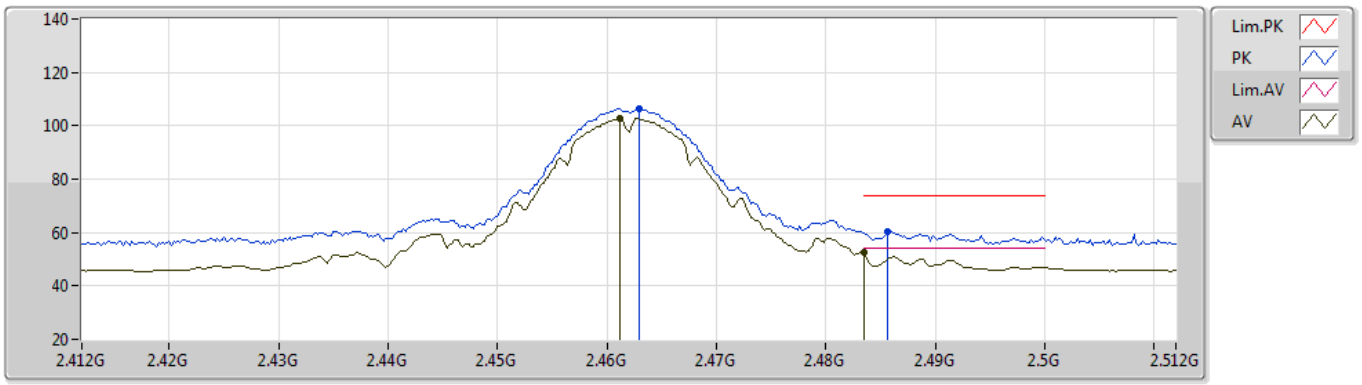


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	98.83	Inf	-Inf	33.43	3	Horizontal	249	1.01	-	65.40	27.40	6.03	-
AV	2.4836G	47.49	54.00	-6.51	33.46	3	Horizontal	249	1.01	-	14.03	27.40	6.06	-
PK	2.456G	102.62	Inf	-Inf	33.43	3	Horizontal	249	1.01	-	69.19	27.40	6.03	-
PK	2.4835G	57.96	74.00	-16.04	33.46	3	Horizontal	249	1.01	-	24.50	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/09/2020

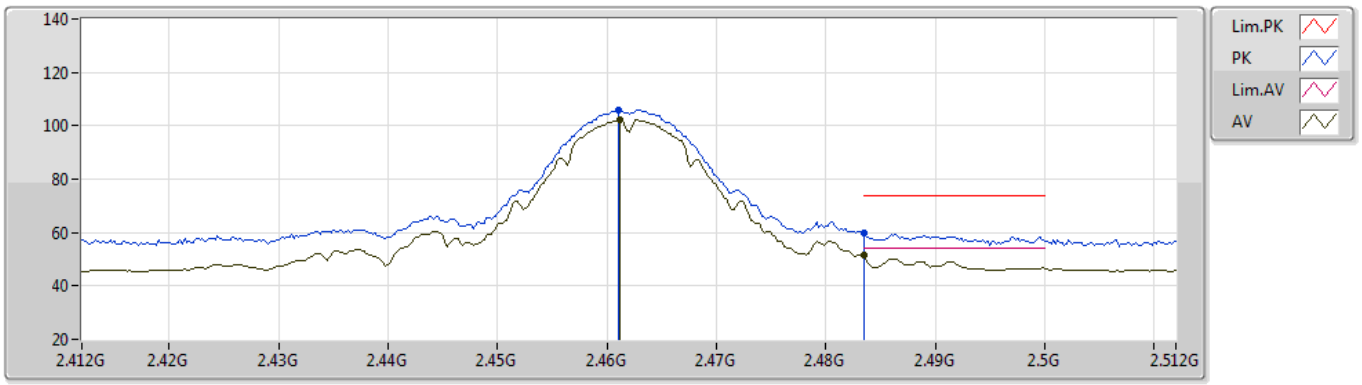


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	102.64	Inf	-Inf	33.43	3	Vertical	49	1.43	-	69.21	27.40	6.03	-
AV	2.4835G	52.54	54.00	-1.46	33.46	3	Vertical	49	1.43	-	19.08	27.40	6.06	-
PK	2.463G	106.45	Inf	-Inf	33.44	3	Vertical	49	1.43	-	73.01	27.40	6.04	-
PK	2.4856G	60.41	74.00	-13.59	33.46	3	Vertical	49	1.43	-	26.95	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/09/2020

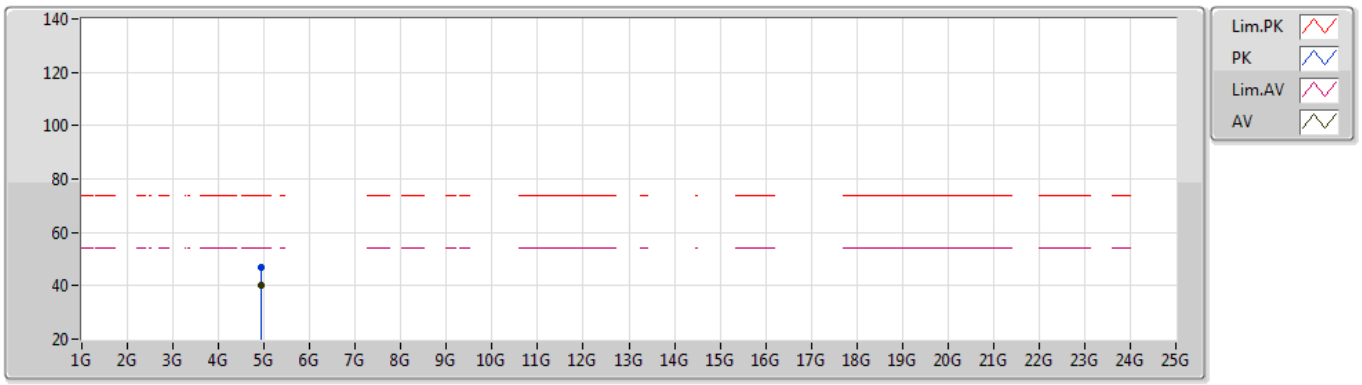


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	102.29	Inf	-Inf	33.43	3	Horizontal	74	0.99	-	68.86	27.40	6.03	-
AV	2.4835G	51.59	54.00	-2.41	33.46	3	Horizontal	74	0.99	-	18.13	27.40	6.06	-
PK	2.461G	106.06	Inf	-Inf	33.43	3	Horizontal	74	0.99	-	72.63	27.40	6.03	-
PK	2.4835G	59.62	74.00	-14.38	33.46	3	Horizontal	74	0.99	-	26.16	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

09/09/2020

2462MHz_TX

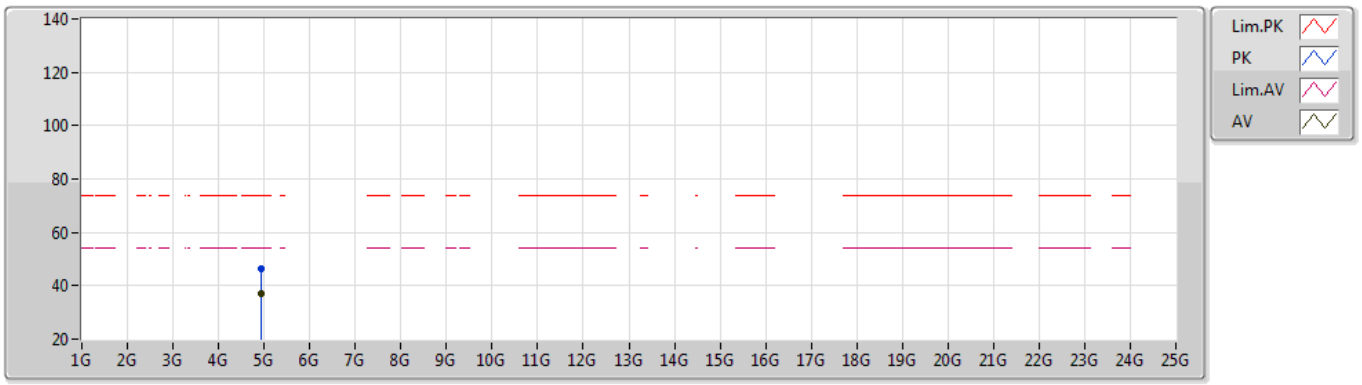


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92394G	40.34	54.00	-13.66	5.59	3	Vertical	133	2.74	-	34.75	31.10	8.33	33.84
PK	4.92382G	46.74	74.00	-27.26	5.59	3	Vertical	133	2.74	-	41.15	31.10	8.33	33.84

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

09/09/2020

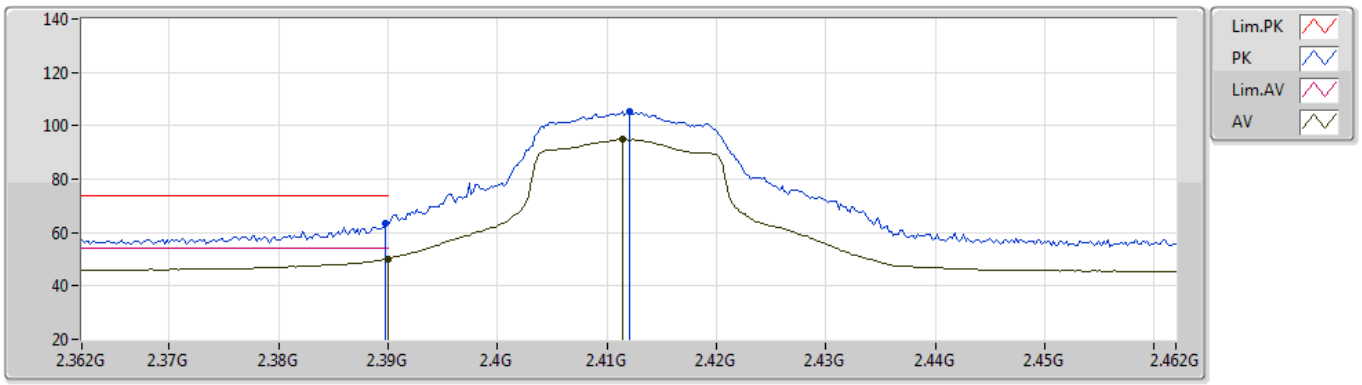


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92401G	36.92	54.00	-17.08	5.59	3	Horizontal	149	1.71	-	31.33	31.10	8.33	33.84
PK	4.92396G	46.21	74.00	-27.79	5.59	3	Horizontal	149	1.71	-	40.62	31.10	8.33	33.84

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/09/2020

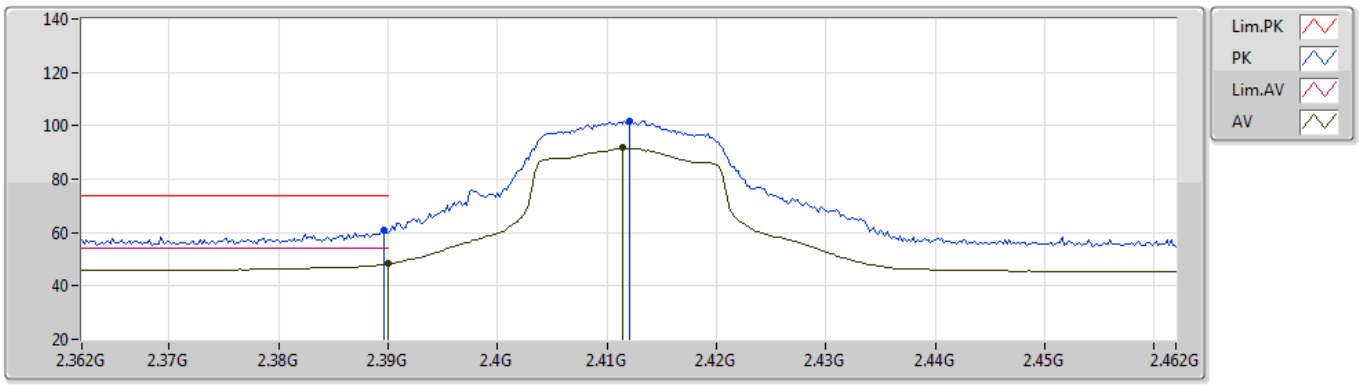


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.25	54.00	-3.75	33.57	3	Vertical	39	1.48	-	16.68	27.62	5.95	-
AV	2.4114G	95.05	Inf	-Inf	33.52	3	Vertical	39	1.48	-	61.53	27.55	5.97	-
PK	2.3898G	63.33	74.00	-10.67	33.57	3	Vertical	39	1.48	-	29.76	27.62	5.95	-
PK	2.412G	105.23	Inf	-Inf	33.52	3	Vertical	39	1.48	-	71.71	27.55	5.97	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/09/2020

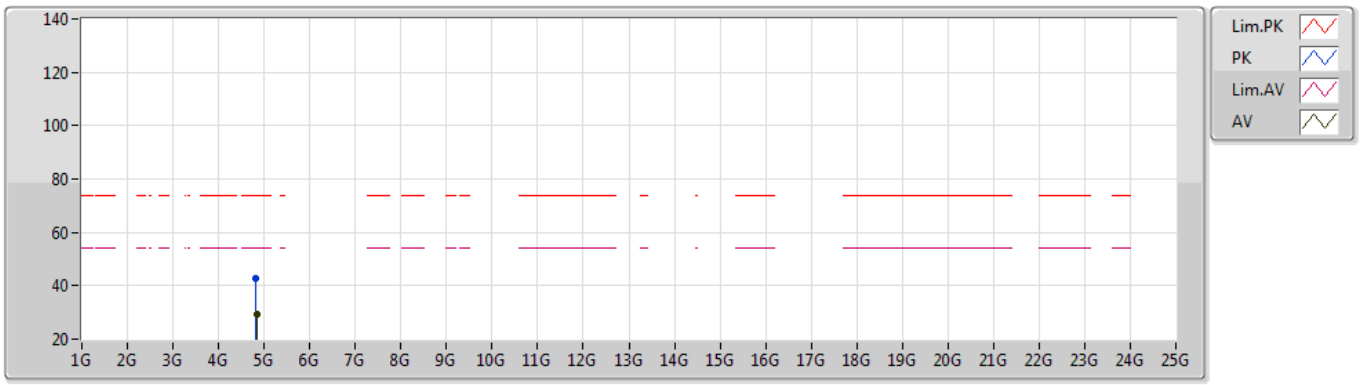


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	48.29	54.00	-5.71	33.57	3	Horizontal	190	2.32	-	14.72	27.62	5.95	-
AV	2.4114G	91.70	Inf	-Inf	33.52	3	Horizontal	190	2.32	-	58.18	27.55	5.97	-
PK	2.3896G	60.93	74.00	-13.07	33.57	3	Horizontal	190	2.32	-	27.36	27.62	5.95	-
PK	2.412G	101.83	Inf	-Inf	33.52	3	Horizontal	190	2.32	-	68.31	27.55	5.97	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/09/2020

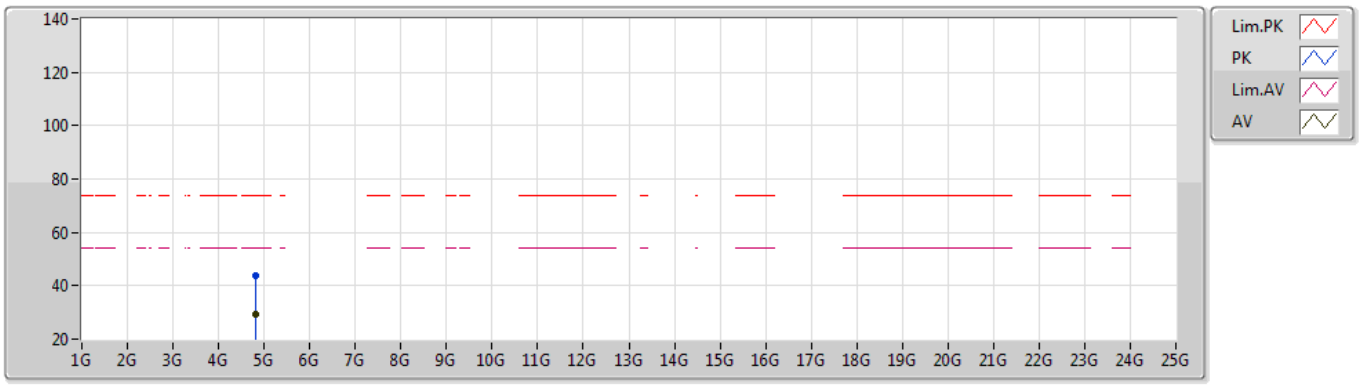


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8303G	29.35	54.00	-24.65	5.39	3	Vertical	128	1.35	-	23.96	31.02	8.27	33.90
PK	4.82622G	42.84	74.00	-31.16	5.37	3	Vertical	128	1.35	-	37.47	31.00	8.27	33.90

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

16/09/2020

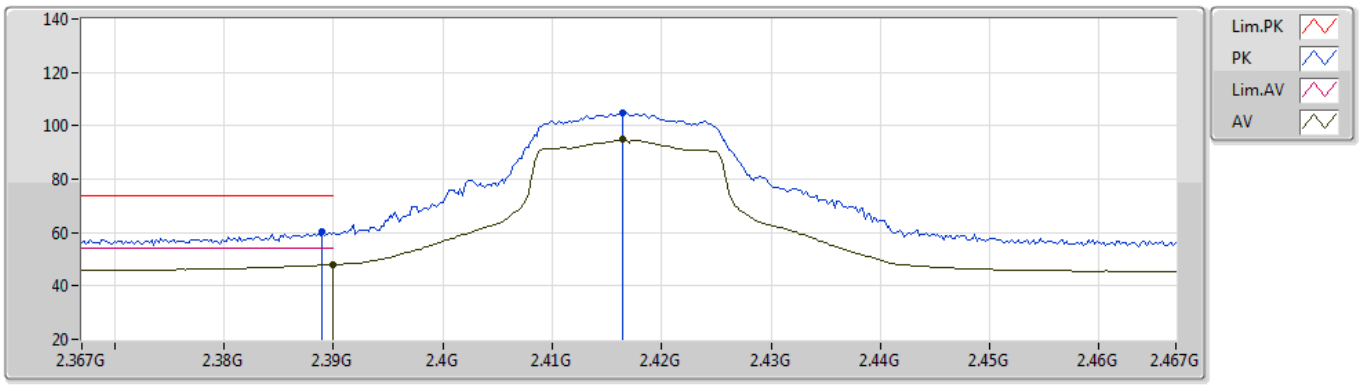


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82772G	29.37	54.00	-24.63	5.38	3	Horizontal	133	1.14	-	23.99	31.01	8.27	33.90
PK	4.82652G	43.54	74.00	-30.46	5.38	3	Horizontal	133	1.14	-	38.16	31.01	8.27	33.90

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

16/09/2020

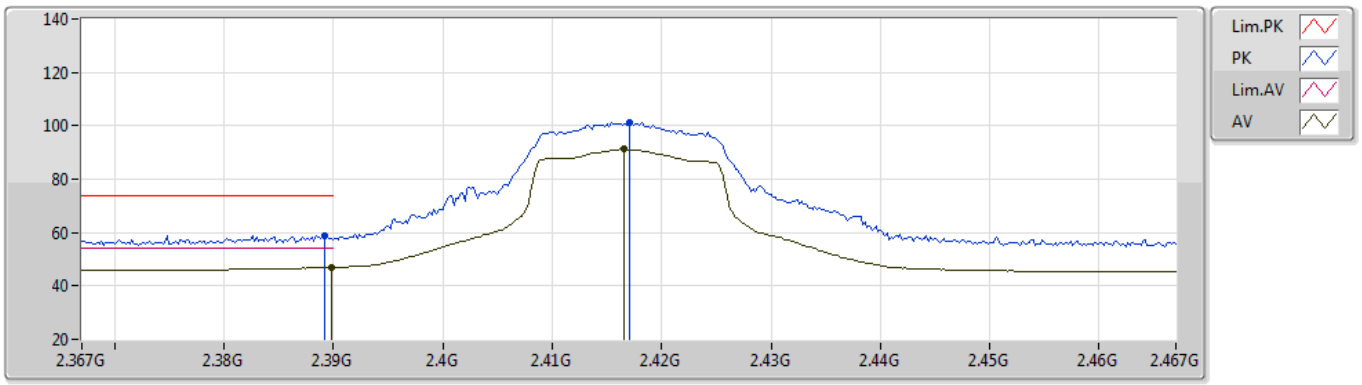


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	48.04	54.00	-5.96	33.57	3	Vertical	40	1.49	-	14.47	27.62	5.95	-
AV	2.4164G	94.79	Inf	-Inf	33.51	3	Vertical	40	1.49	-	61.28	27.53	5.98	-
PK	2.389G	60.30	74.00	-13.70	33.57	3	Vertical	40	1.49	-	26.73	27.62	5.95	-
PK	2.4164G	104.74	Inf	-Inf	33.51	3	Vertical	40	1.49	-	71.23	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

16/09/2020

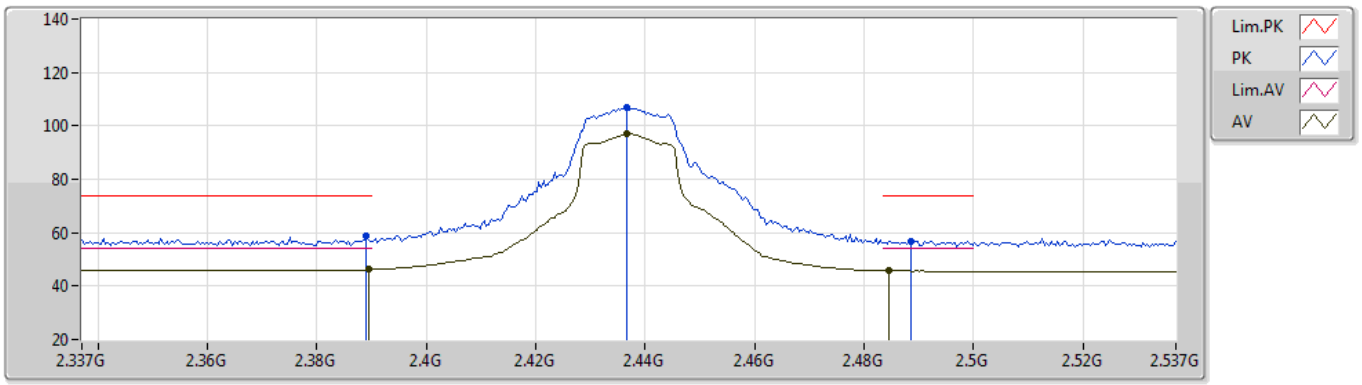


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	46.95	54.00	-7.05	33.57	3	Horizontal	190	2.35	-	13.38	27.62	5.95	-
AV	2.4166G	91.33	Inf	-Inf	33.51	3	Horizontal	190	2.35	-	57.82	27.53	5.98	-
PK	2.3892G	58.87	74.00	-15.13	33.57	3	Horizontal	190	2.35	-	25.30	27.62	5.95	-
PK	2.417G	101.43	Inf	-Inf	33.51	3	Horizontal	190	2.35	-	67.92	27.53	5.98	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/09/2020

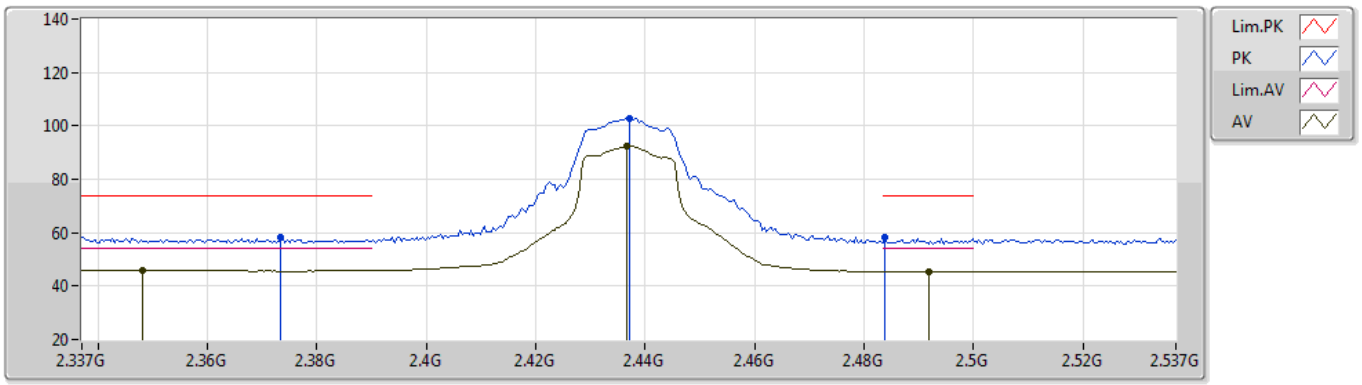


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	46.19	54.00	-7.81	33.57	3	Vertical	119	1.53	-	12.62	27.62	5.95	-
AV	2.4366G	96.92	Inf	-Inf	33.45	3	Vertical	119	1.53	-	63.47	27.45	6.00	-
AV	2.4846G	45.82	54.00	-8.18	33.46	3	Vertical	119	1.53	-	12.36	27.40	6.06	-
PK	2.389G	58.95	74.00	-15.05	33.57	3	Vertical	119	1.53	-	25.38	27.62	5.95	-
PK	2.4366G	106.86	Inf	-Inf	33.45	3	Vertical	119	1.53	-	73.41	27.45	6.00	-
PK	2.4886G	56.87	74.00	-17.13	33.47	3	Vertical	119	1.53	-	23.40	27.40	6.07	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/09/2020

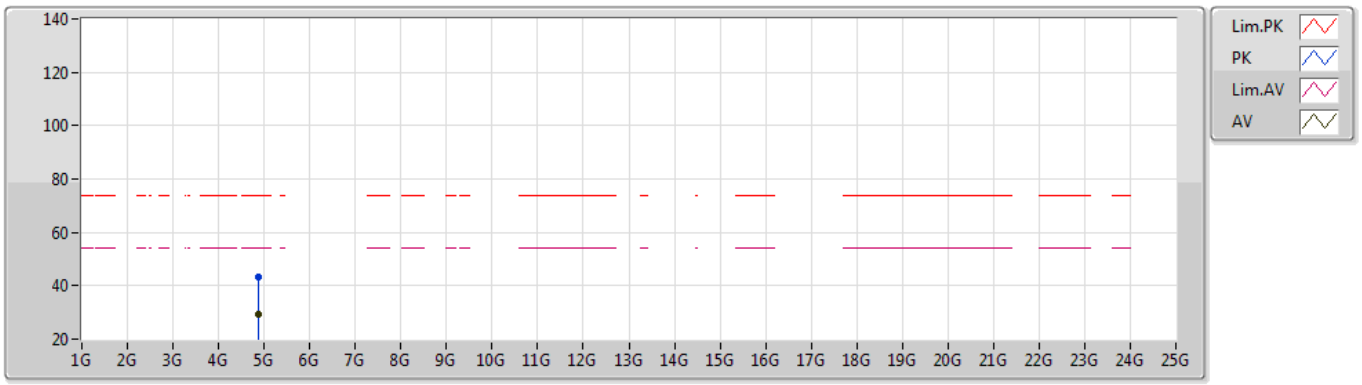


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3482G	45.83	54.00	-8.17	33.63	3	Horizontal	256	1.28	-	12.20	27.71	5.92	-
AV	2.4366G	92.51	Inf	-Inf	33.45	3	Horizontal	256	1.28	-	59.06	27.45	6.00	-
AV	2.4918G	45.51	54.00	-8.49	33.47	3	Horizontal	256	1.28	-	12.04	27.40	6.07	-
PK	2.3734G	58.53	74.00	-15.47	33.59	3	Horizontal	256	1.28	-	24.94	27.65	5.94	-
PK	2.437G	102.71	Inf	-Inf	33.45	3	Horizontal	256	1.28	-	69.26	27.45	6.00	-
PK	2.4838G	58.38	74.00	-15.62	33.46	3	Horizontal	256	1.28	-	24.92	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/09/2020

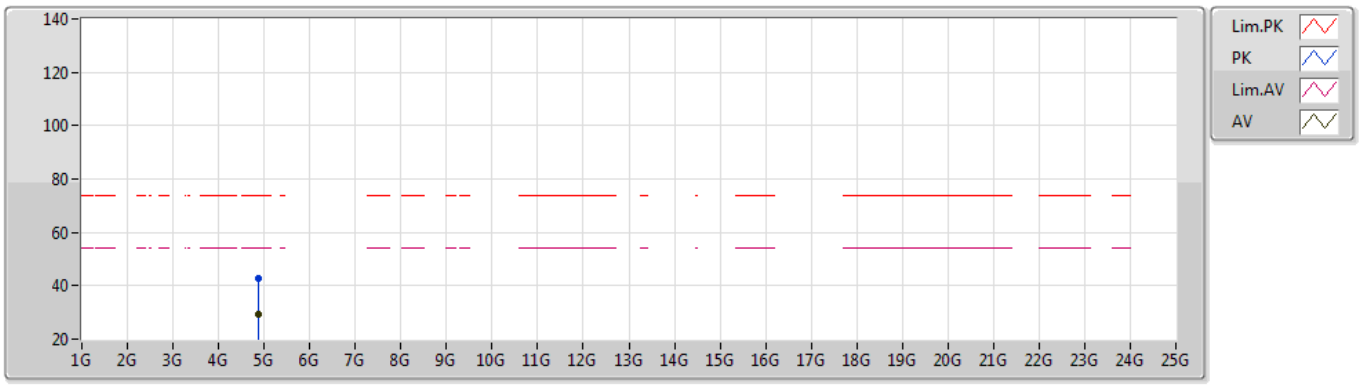


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87496G	29.52	54.00	-24.48	5.48	3	Vertical	300	2.04	-	24.04	31.05	8.30	33.87
PK	4.8629G	43.03	74.00	-30.97	5.48	3	Vertical	300	2.04	-	37.55	31.07	8.29	33.88

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

16/09/2020

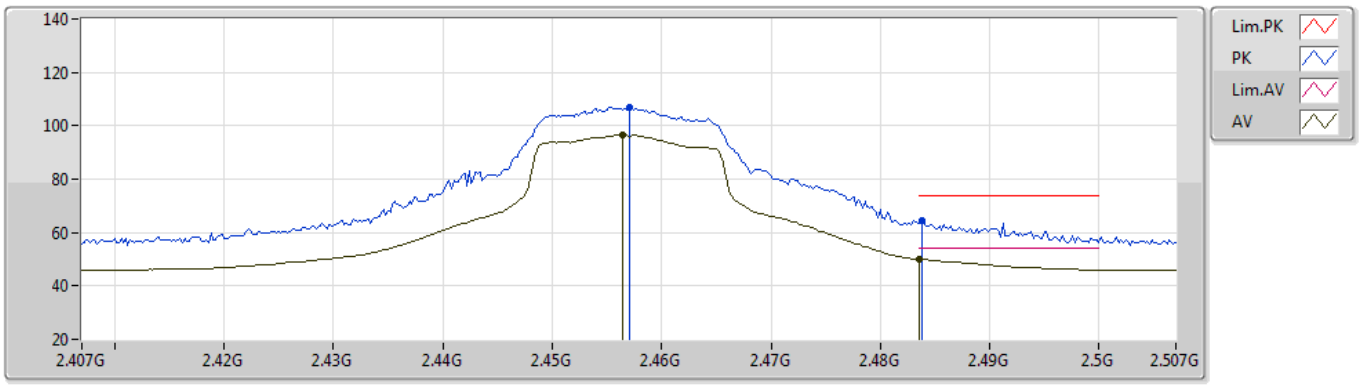


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87268G	29.56	54.00	-24.44	5.48	3	Horizontal	137	1.49	-	24.08	31.05	8.30	33.87
PK	4.86164G	43.01	74.00	-30.99	5.49	3	Horizontal	137	1.49	-	37.52	31.08	8.29	33.88

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

16/09/2020

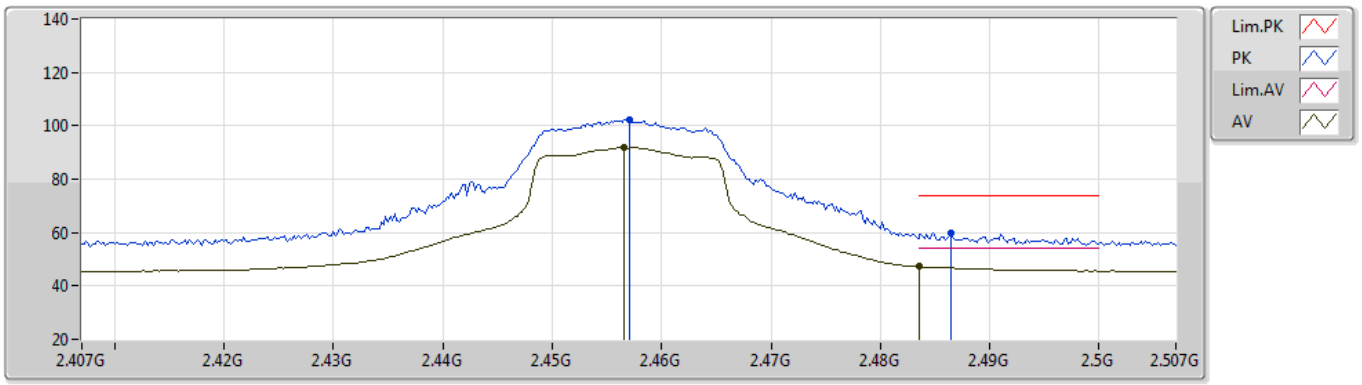


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	96.80	Inf	-Inf	33.43	3	Vertical	118	1.48	-	63.37	27.40	6.03	-
AV	2.4835G	50.07	54.00	-3.93	33.46	3	Vertical	118	1.48	-	16.61	27.40	6.06	-
PK	2.457G	106.82	Inf	-Inf	33.43	3	Vertical	118	1.48	-	73.39	27.40	6.03	-
PK	2.4838G	64.42	74.00	-9.58	33.46	3	Vertical	118	1.48	-	30.96	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

16/09/2020

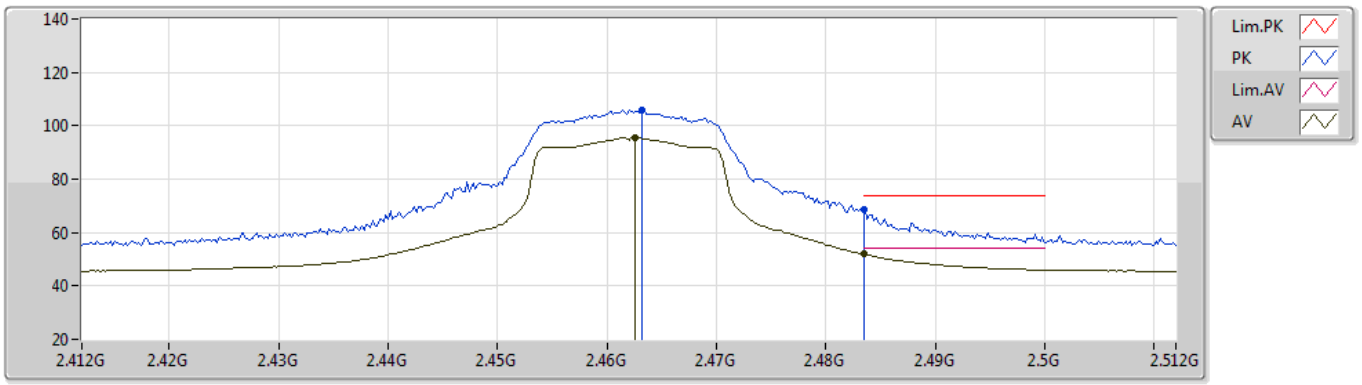


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4566G	92.08	Inf	-Inf	33.43	3	Horizontal	246	1.43	-	58.65	27.40	6.03	-
AV	2.4835G	47.34	54.00	-6.66	33.46	3	Horizontal	246	1.43	-	13.88	27.40	6.06	-
PK	2.457G	102.09	Inf	-Inf	33.43	3	Horizontal	246	1.43	-	68.66	27.40	6.03	-
PK	2.4864G	59.77	74.00	-14.23	33.46	3	Horizontal	246	1.43	-	26.31	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/09/2020

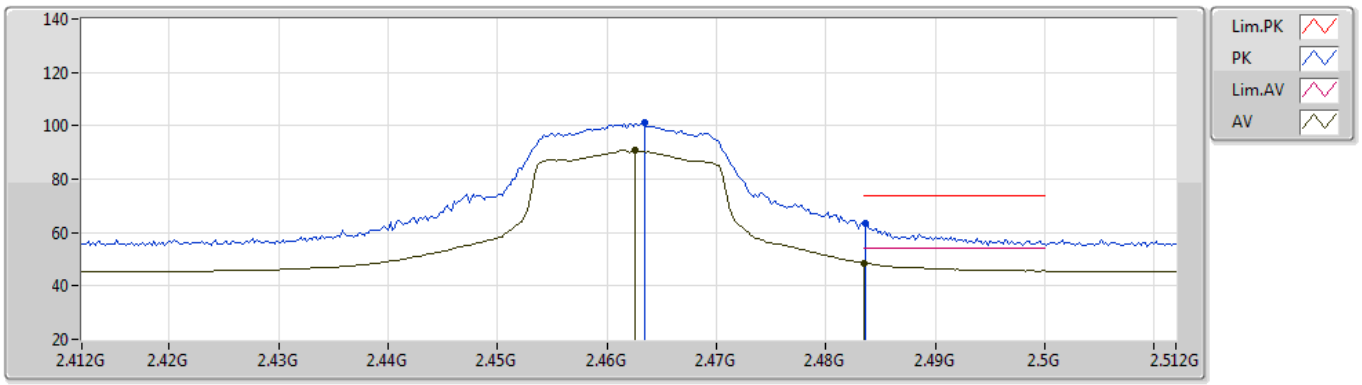


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4626G	95.57	Inf	-Inf	33.44	3	Vertical	117	1.40	-	62.13	27.40	6.04	-
AV	2.4835G	51.90	54.00	-2.10	33.46	3	Vertical	117	1.40	-	18.44	27.40	6.06	-
PK	2.4632G	105.86	Inf	-Inf	33.44	3	Vertical	117	1.40	-	72.42	27.40	6.04	-
PK	2.4835G	68.86	74.00	-5.14	33.46	3	Vertical	117	1.40	-	35.40	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/09/2020

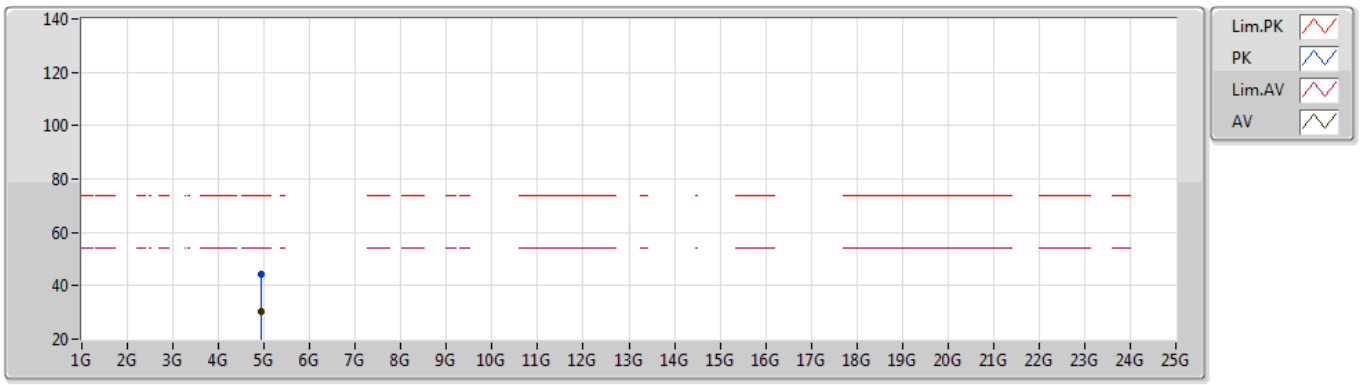


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4626G	90.78	Inf	-Inf	33.44	3	Horizontal	246	1.42	-	57.34	27.40	6.04	-
AV	2.4835G	48.66	54.00	-5.34	33.46	3	Horizontal	246	1.42	-	15.20	27.40	6.06	-
PK	2.4634G	101.00	Inf	-Inf	33.44	3	Horizontal	246	1.42	-	67.56	27.40	6.04	-
PK	2.4836G	63.35	74.00	-10.65	33.46	3	Horizontal	246	1.42	-	29.89	27.40	6.06	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/09/2020

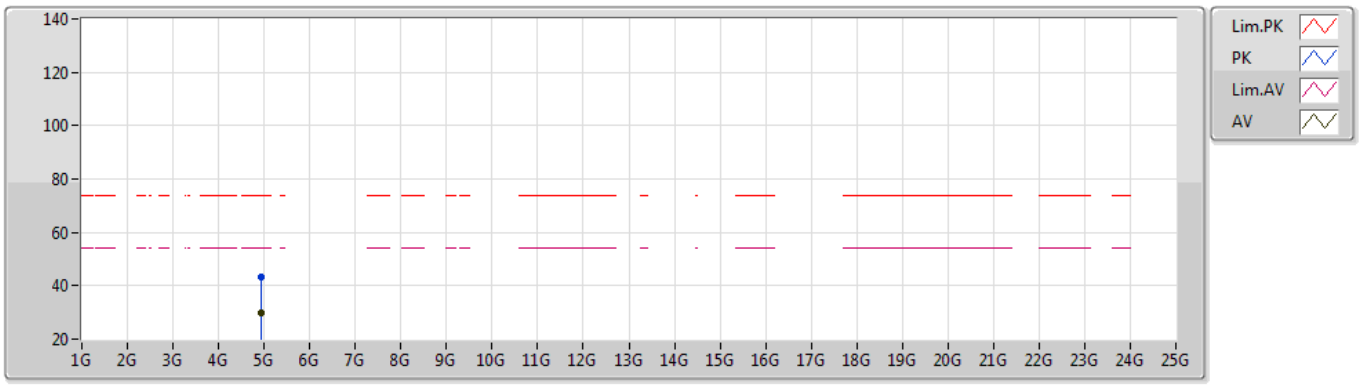


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92598G	30.11	54.00	-23.89	5.59	3	Vertical	150	1.37	-	24.52	31.10	8.33	33.84
PK	4.92916G	44.27	74.00	-29.73	5.61	3	Vertical	150	1.37	-	38.66	31.12	8.33	33.84

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

16/09/2020

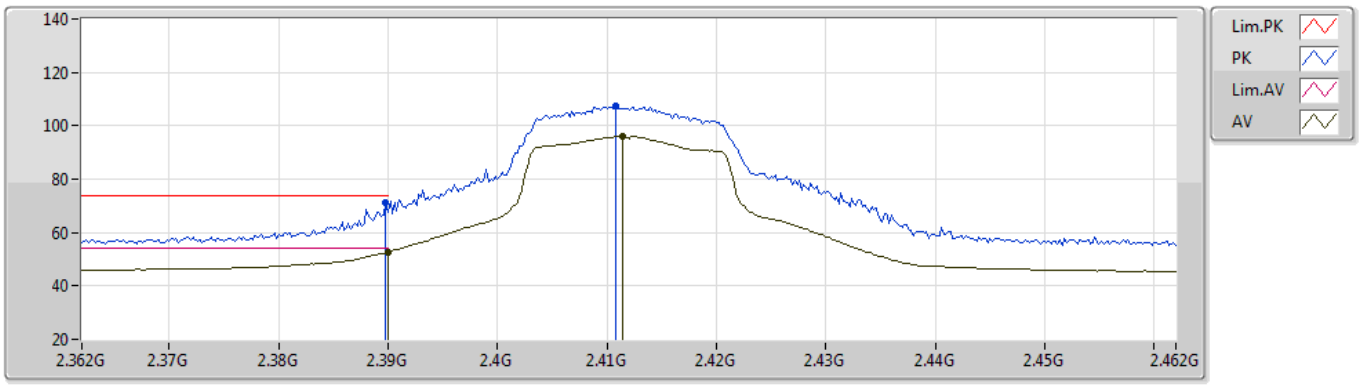


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92796G	30.00	54.00	-24.00	5.60	3	Horizontal	274	1.48	-	24.40	31.11	8.33	33.84
PK	4.92718G	43.52	74.00	-30.48	5.60	3	Horizontal	274	1.48	-	37.92	31.11	8.33	33.84

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/09/2020

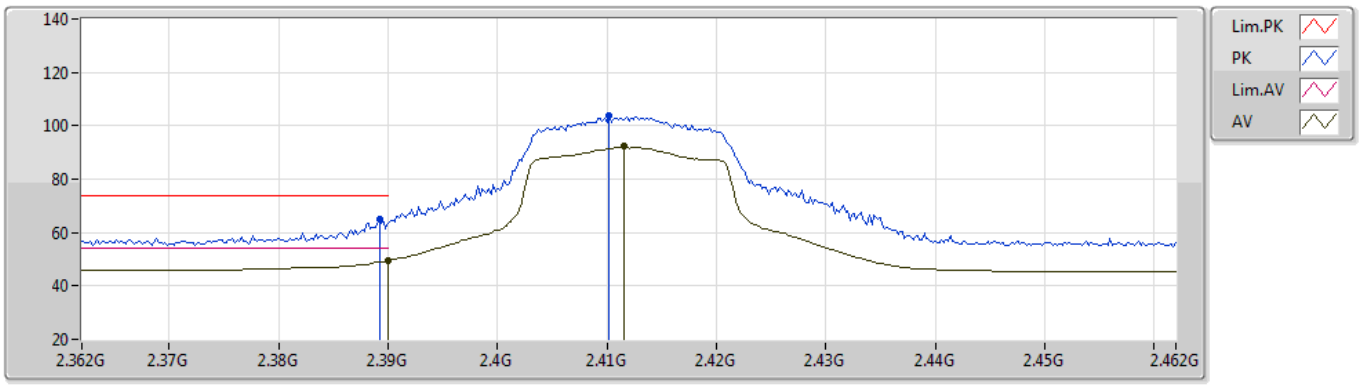


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.82	54.00	-1.18	33.57	3	Vertical	117	1.09	-	19.25	27.62	5.95	-
AV	2.4114G	96.27	Inf	-Inf	33.52	3	Vertical	117	1.09	-	62.75	27.55	5.97	-
PK	2.3898G	71.06	74.00	-2.94	33.57	3	Vertical	117	1.09	-	37.49	27.62	5.95	-
PK	2.4108G	107.20	Inf	-Inf	33.53	3	Vertical	117	1.09	-	73.67	27.56	5.97	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/09/2020

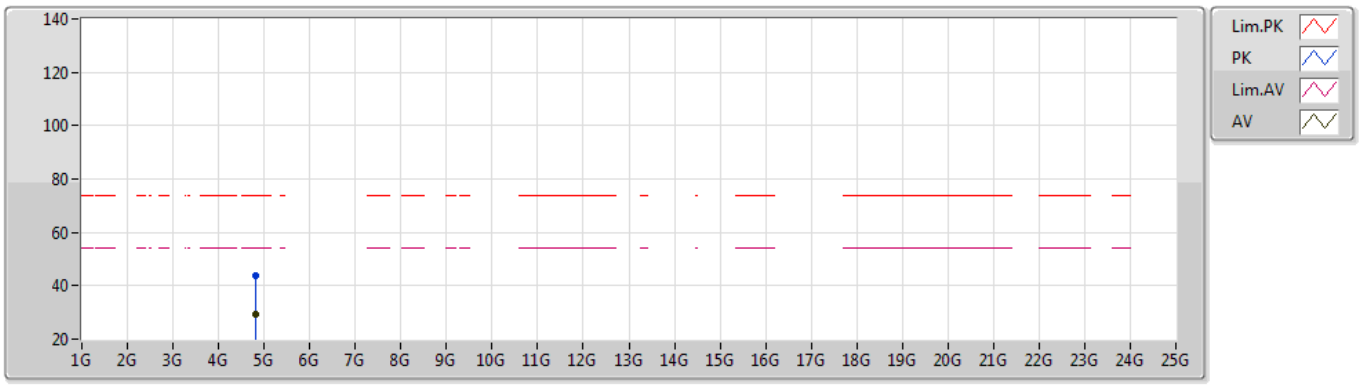


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.49	54.00	-4.51	33.57	3	Horizontal	192	1.37	-	15.92	27.62	5.95	-
AV	2.4116G	92.21	Inf	-Inf	33.52	3	Horizontal	192	1.37	-	58.69	27.55	5.97	-
PK	2.3892G	65.03	74.00	-8.97	33.57	3	Horizontal	192	1.37	-	31.46	27.62	5.95	-
PK	2.4102G	103.91	Inf	-Inf	33.53	3	Horizontal	192	1.37	-	70.38	27.56	5.97	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

16/09/2020

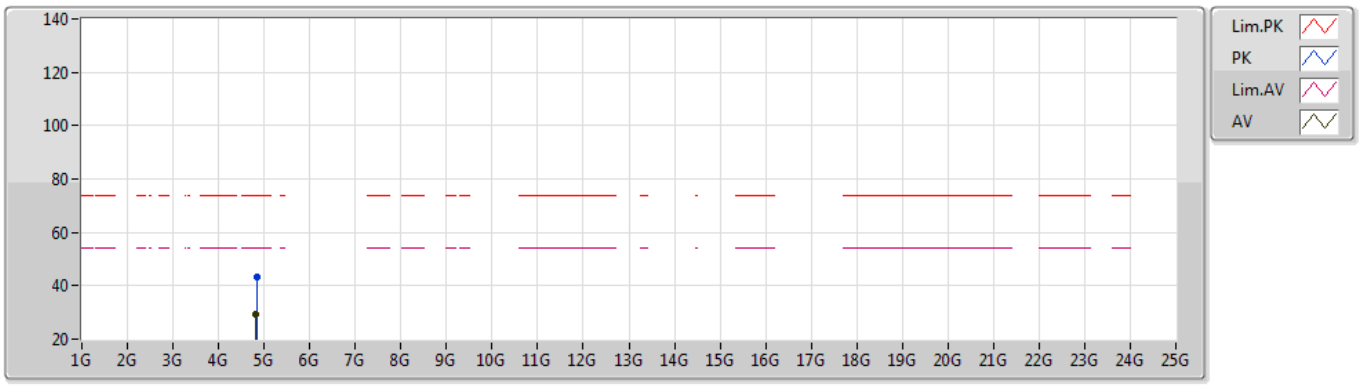


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82738G	29.45	54.00	-24.55	5.38	3	Vertical	169	1.48	-	24.07	31.01	8.27	33.90
PK	4.82666G	43.70	74.00	-30.30	5.38	3	Vertical	169	1.48	-	38.32	31.01	8.27	33.90

802.11n HT20_Nss1,(MCS0)_1TX

16/09/2020

2412MHz_TX

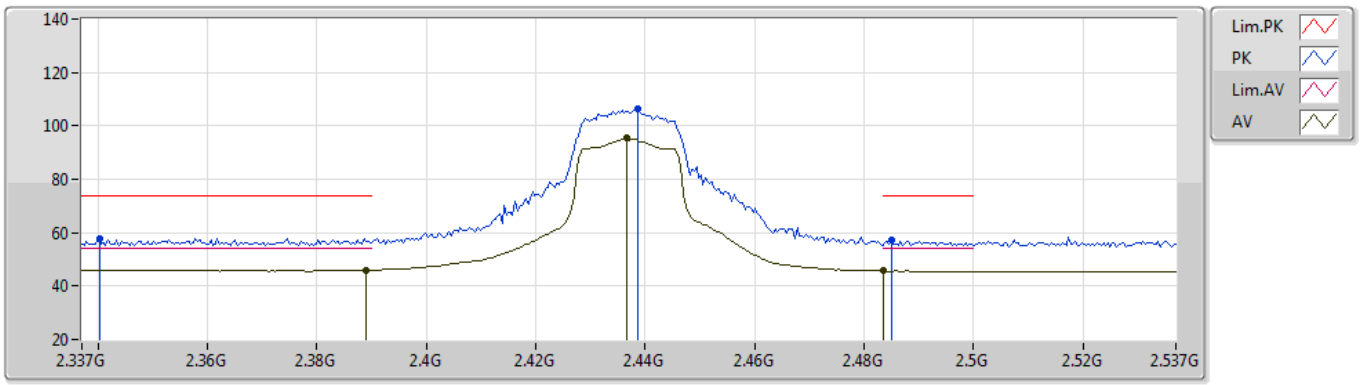


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82708G	29.53	54.00	-24.47	5.38	3	Horizontal	147	2.67	-	24.15	31.01	8.27	33.90
PK	4.8289G	43.29	74.00	-30.71	5.39	3	Horizontal	147	2.67	-	37.90	31.02	8.27	33.90

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/09/2020

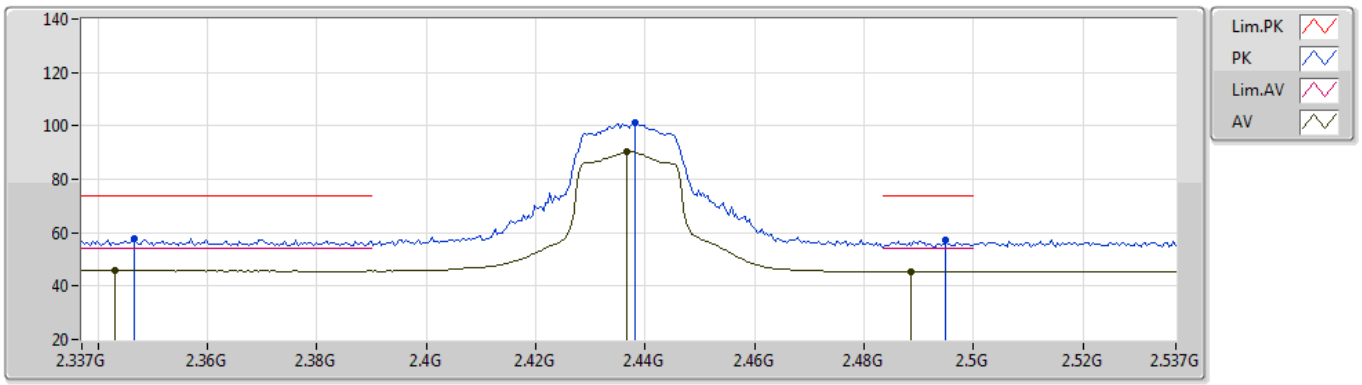


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	46.02	54.00	-7.98	33.57	3	Vertical	119	1.54	-	12.45	27.62	5.95	-
AV	2.4366G	95.27	Inf	-Inf	33.45	3	Vertical	119	1.54	-	61.82	27.45	6.00	-
AV	2.4835G	45.66	54.00	-8.34	33.46	3	Vertical	119	1.54	-	12.20	27.40	6.06	-
PK	2.3402G	57.87	74.00	-16.13	33.66	3	Vertical	119	1.54	-	24.21	27.74	5.92	-
PK	2.4386G	106.50	Inf	-Inf	33.46	3	Vertical	119	1.54	-	73.04	27.45	6.01	-
PK	2.485G	57.35	74.00	-16.65	33.46	3	Vertical	119	1.54	-	23.89	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/09/2020

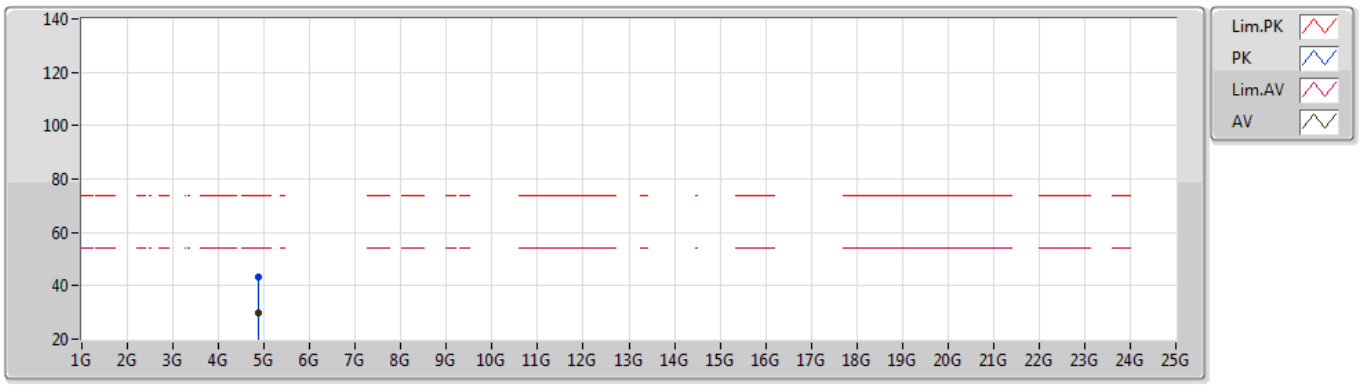


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.343G	45.81	54.00	-8.19	33.65	3	Horizontal	255	1.49	-	12.16	27.73	5.92	-
AV	2.4366G	90.27	Inf	-Inf	33.45	3	Horizontal	255	1.49	-	56.82	27.45	6.00	-
AV	2.4886G	45.47	54.00	-8.53	33.47	3	Horizontal	255	1.49	-	12.00	27.40	6.07	-
PK	2.3466G	57.86	74.00	-16.14	33.63	3	Horizontal	255	1.49	-	24.23	27.71	5.92	-
PK	2.4382G	101.15	Inf	-Inf	33.46	3	Horizontal	255	1.49	-	67.69	27.45	6.01	-
PK	2.495G	57.04	74.00	-16.96	33.47	3	Horizontal	255	1.49	-	23.57	27.40	6.07	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/09/2020

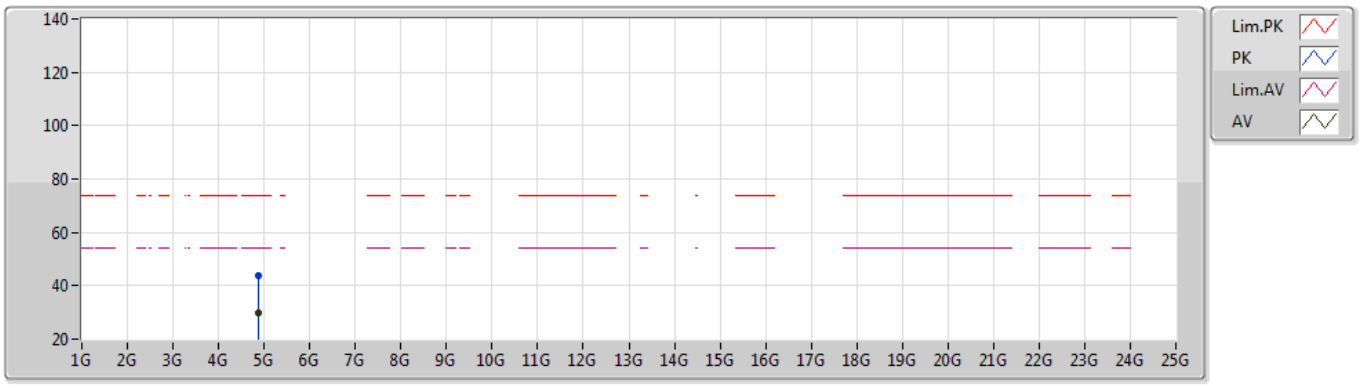


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8752G	29.78	54.00	-24.22	5.48	3	Vertical	159	1.49	-	24.30	31.05	8.30	33.87
PK	4.86446G	43.53	74.00	-30.47	5.48	3	Vertical	159	1.49	-	38.05	31.07	8.29	33.88

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

16/09/2020

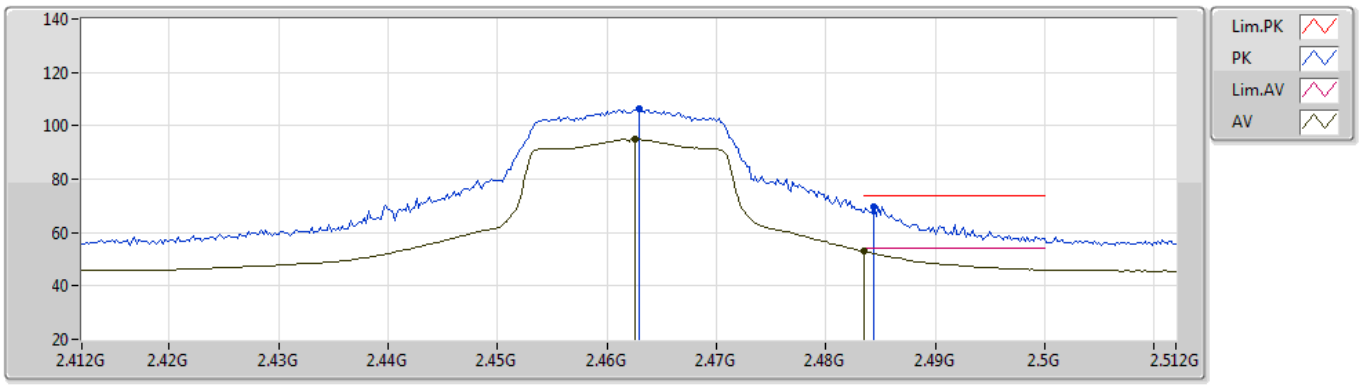


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.86182G	29.70	54.00	-24.30	5.49	3	Horizontal	265	1.48	-	24.21	31.08	8.29	33.88
PK	4.87076G	43.74	74.00	-30.26	5.49	3	Horizontal	265	1.48	-	38.25	31.06	8.30	33.87

802.11n HT20_Nss1,(MCS0)_1TX

16/09/2020

2462MHz_TX

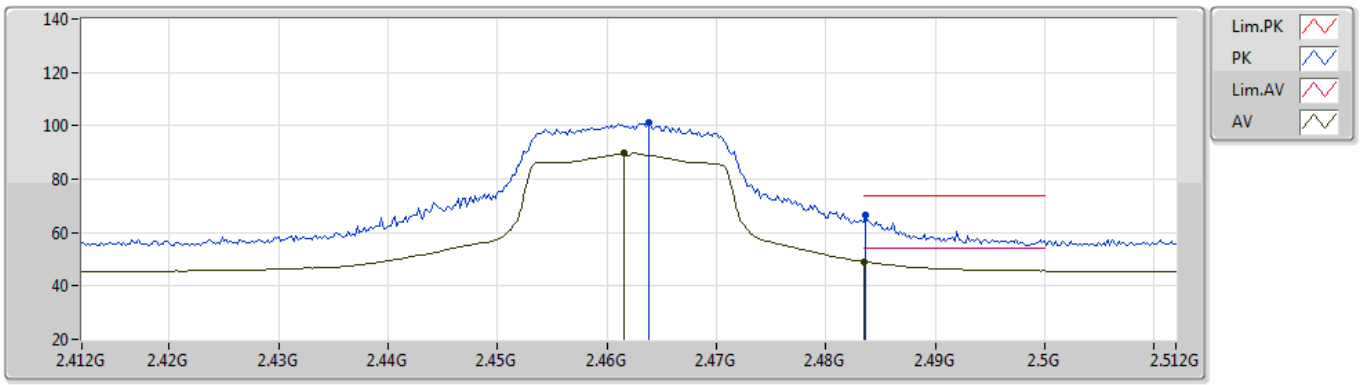


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4626G	95.12	Inf	-Inf	33.44	3	Vertical	116	1.38	-	61.68	27.40	6.04	-
AV	2.4835G	52.89	54.00	-1.11	33.46	3	Vertical	116	1.38	-	19.43	27.40	6.06	-
PK	2.463G	106.35	Inf	-Inf	33.44	3	Vertical	116	1.38	-	72.91	27.40	6.04	-
PK	2.4844G	69.59	74.00	-4.41	33.46	3	Vertical	116	1.38	-	36.13	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/09/2020

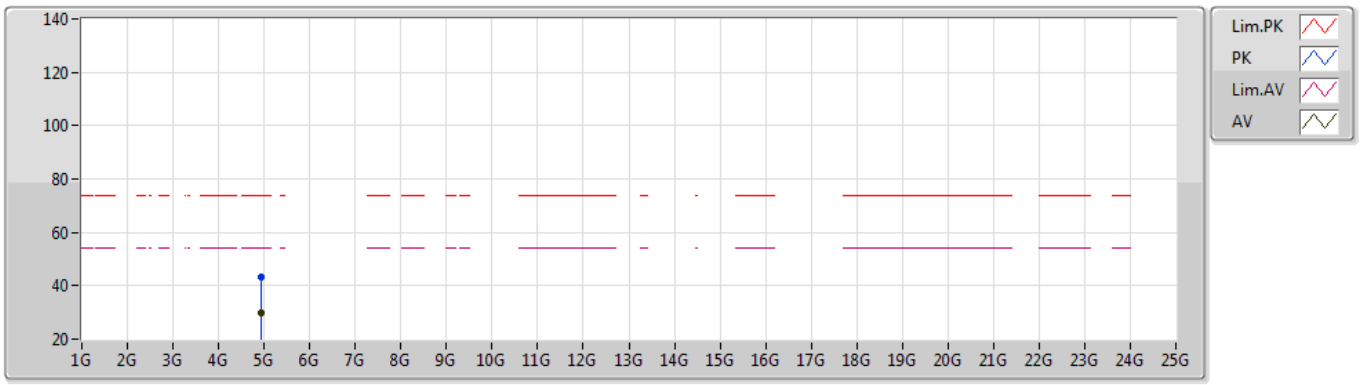


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4616G	89.72	Inf	-Inf	33.43	3	Horizontal	245	1.49	-	56.29	27.40	6.03	-
AV	2.4835G	49.08	54.00	-4.92	33.46	3	Horizontal	245	1.49	-	15.62	27.40	6.06	-
PK	2.4638G	101.05	Inf	-Inf	33.44	3	Horizontal	245	1.49	-	67.61	27.40	6.04	-
PK	2.4836G	66.71	74.00	-7.29	33.46	3	Horizontal	245	1.49	-	33.25	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/09/2020

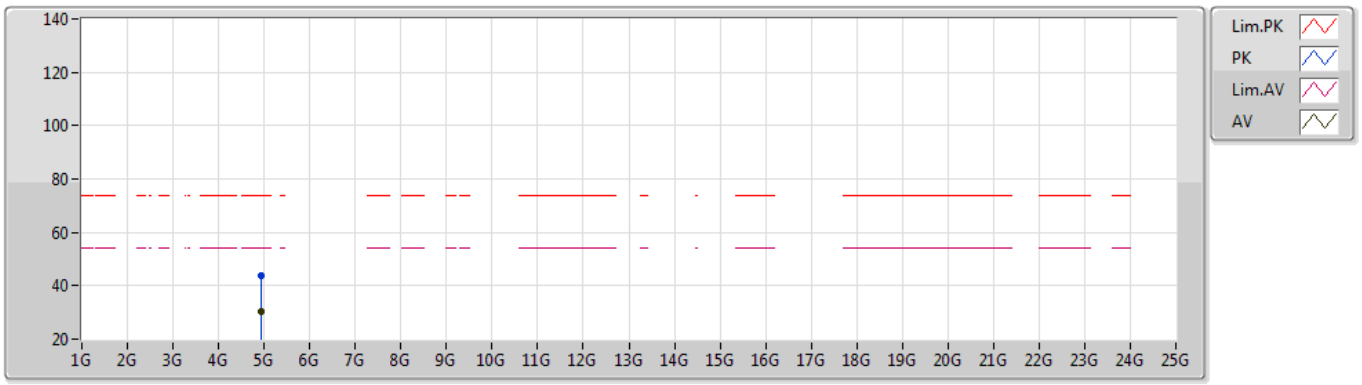


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92886G	29.88	54.00	-24.12	5.61	3	Vertical	101	1.22	-	24.27	31.12	8.33	33.84
PK	4.92742G	43.25	74.00	-30.75	5.60	3	Vertical	101	1.22	-	37.65	31.11	8.33	33.84

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

16/09/2020



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	4.92586G	30.13	54.00	-23.87	5.59	3	Horizontal	190	1.74	-	24.54	31.10	8.33	33.84
PK	4.93528G	44.05	74.00	-29.95	5.64	3	Horizontal	190	1.74	-	38.41	31.14	8.34	33.84