FCC Test Report

FCC ID	:	**BKMAE-STI6200**
Equipment	:	**WLAN/BT Module**
Brand Name	:	**EPSON**
Model Name	:	**STI6200-D101**
Applicant	:	**SEIKO EPSON CORPORATION 3-3-5 Owa Suwa-shi Nagano-ken 392-8502 Japan**
Manufacturer	:	**SEIKO EPSON CORPORATION 6925 Tazawa, Toyoshina Azumino-shi, Nagano 399-8285 Japan**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Jun. 30, 2020, and testing was started from Jul. 06, 2020 and completed on Jul. 15, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

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.)

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History of this test report

Report No.	Version	Description	Issued Date
FR070125AC	01	Initial issue of report	Jul. 21, 2020
FR070125AC	02	Revised typo (This report is the latest version replacing for the report issued on Jul. 21, 2020.)	Jul. 24, 2020

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

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

Reviewed by: 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	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX

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	HONGBO	290-40488	PIFA	I-PEX
2	HONGBO	290-40488	PIFA	I-PEX

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	2	2.34	5.29	-
2	1	2.74	4.50	2.74

Note 1: The EUT has two antennas.

For 2.4GHz function:

For IEEE 802.11 b mode (1TX/2RX)

Only Ant. 2 (port 1) could transmit.

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

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

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

For BT function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
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	12.417m	10
802.11g_Nss1,(6Mbps)_2TX	0.989	0.05	2.065m	10
802.11n HT20_Nss1,(MCS0)_2TX	0.989	0.05	1.921m	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 662911 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
AC Conduction	CO04-HY	Edward	23.5~24.1°C / 53~58%	15/Jul/2020
RF Conducted	TH06-HY	Raven	22.4~23.3°C / 54~60%	08/Jul/2020
Radiated	03CH02-HY	Daniel	21.2~27.3°C / 54~61%	06/Jul/2020~ 08/Jul/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	Dos

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	90
2437MHz	90
2457MHz	90
2462MHz	85
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	70
2417MHz	72
2437MHz	90
2457MHz	72
2462MHz	71
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	72
2417MHz	79
2437MHz	90
2457MHz	79
2462MHz	72

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	2.4GHz WLAN + Bluetooth
2	5GHz WLAN + Bluetooth
Refer to Sporton Test Report No.: FA070125 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
DB1 Antenna	Brand Name	HONGBO	Model Name	290-40488
DB2 Antenna	Brand Name	HONGBO	Model Name	290-40488

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

2.5 Support Equipment

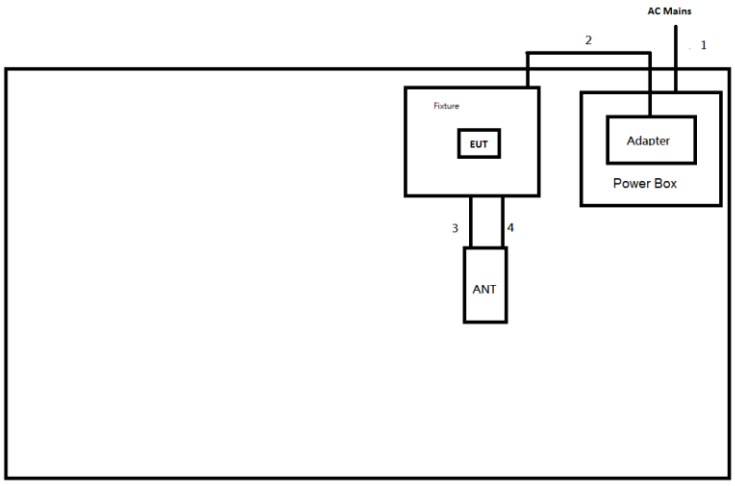
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Adapter	APD	WB-18D12FU	-	Customer Provide
2	Fixture	Askey	STI6200-D101-Ro HS-EVB REV 1	-	Customer Provide

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for Notebook	DELL	HA65NM130	-	-
3	Fixture	Askey	STI6200-D101-Ro HS-EVB REV 1	-	Customer Provide
4	Adapter	APD	WB-18D12FU	-	Customer Provide

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Adapter	APD	WB-18D12FU	-	Customer Provide
2	Fixture	Askey	STI6200-D101-Ro HS-EVB REV 1	-	Customer Provide

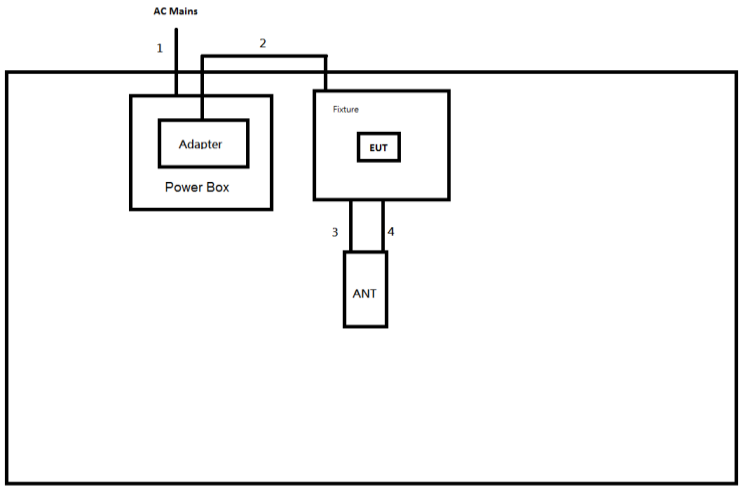
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.5
3	Antenna Cable	No	0.15
4	Antenna Cable	No	0.15

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.8
2	DC Power cable	No	1.5
3	Antenna Cable	No	0.15
4	Antenna Cable	No	0.15

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.1.2 Measuring Instruments

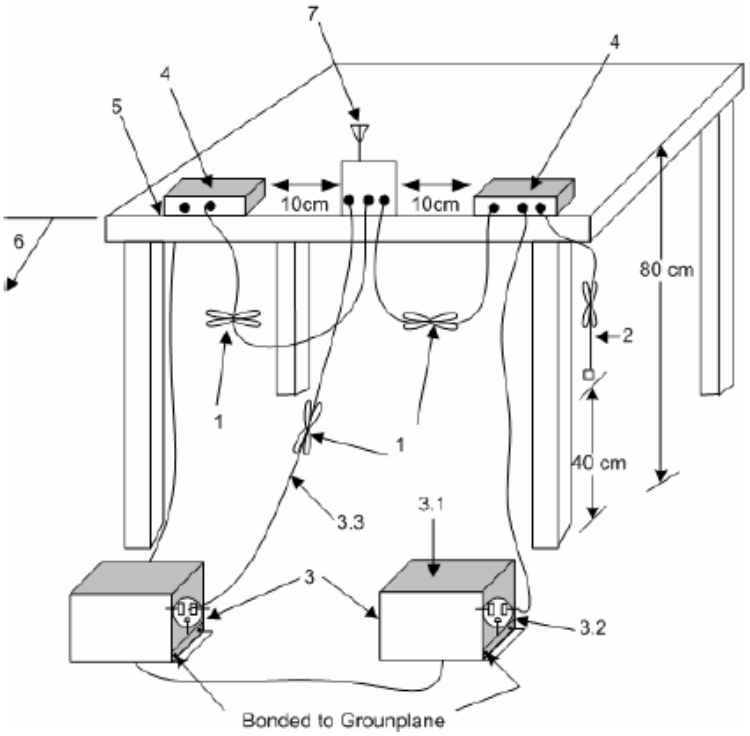
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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

3.1.5 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

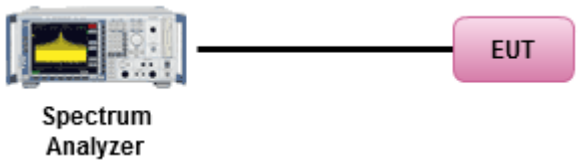
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ 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.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

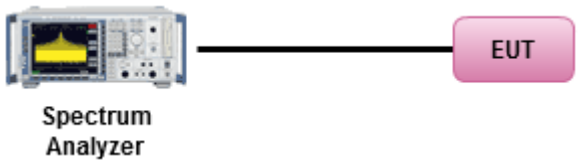
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

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

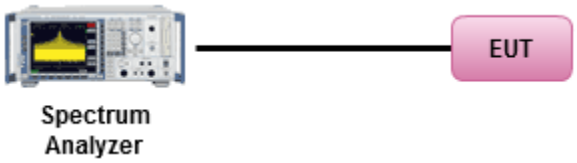
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

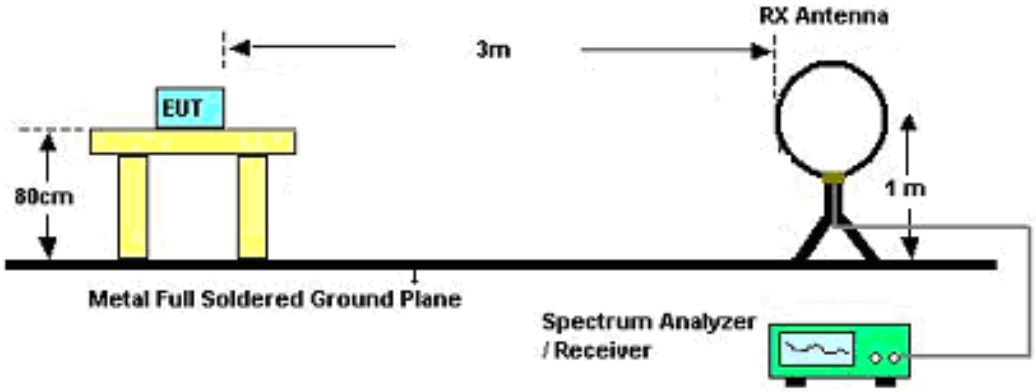
3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪ Use the following spectrum analyzer settings:	
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	▪ Based on FCC 15.31 (f) (2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

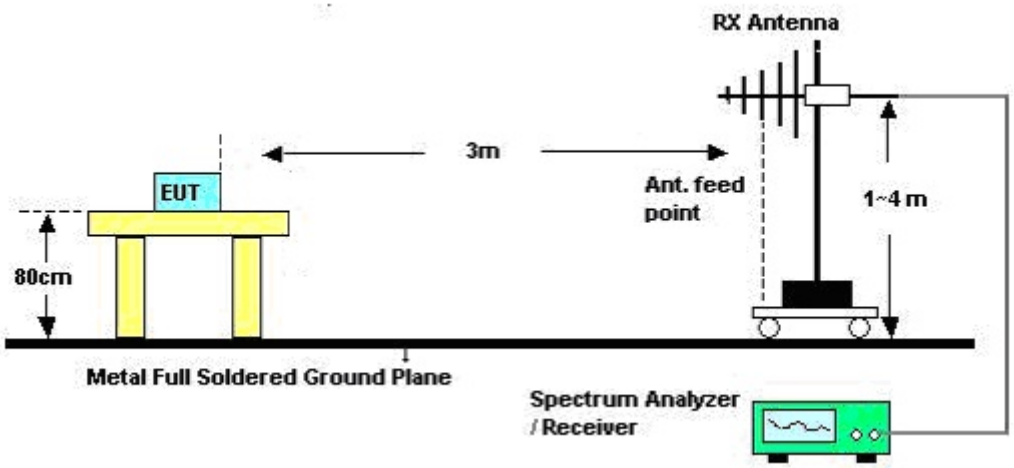
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

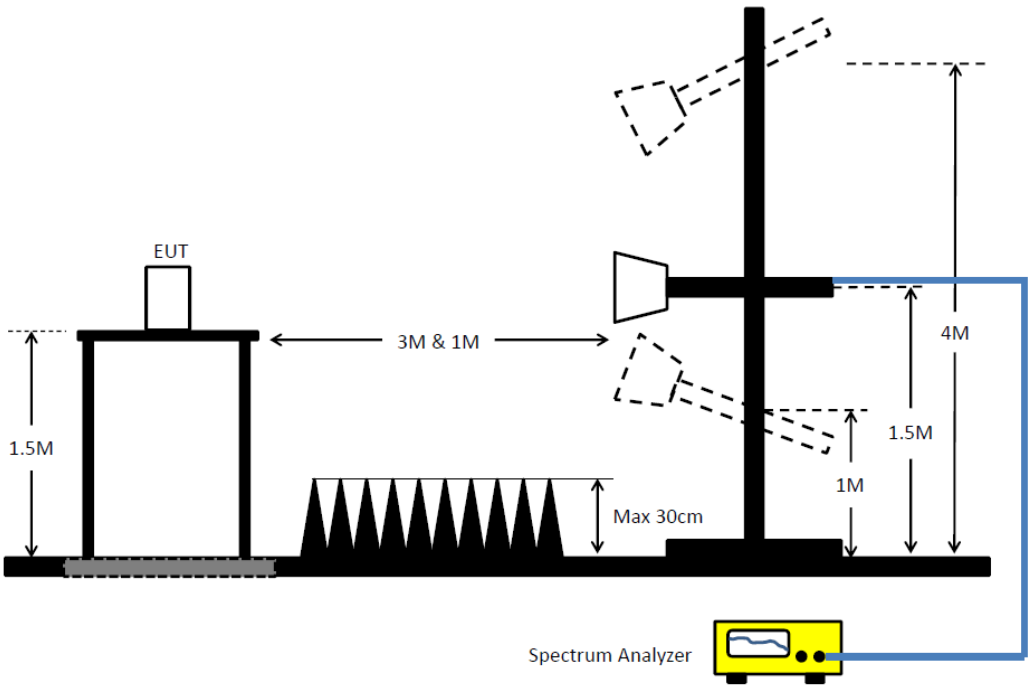
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127477	9kHz ~ 30MHz	17/Feb/2020	16/Feb/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	24/Sep/2019	23/Sep/2020
Software	Sporton	SENSE-EMI	V5.10.7.3	-	NCR	NCR

NCR: Non-Calibration Require

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10kHz ~ 40GHz	01/Oct/2019	30/Sep/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/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	29/Aug/2019	28/Aug/2020
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	29/Aug/2019	28/Aug/2020
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	28/Feb/2020	27/Feb/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/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+80 5192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/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

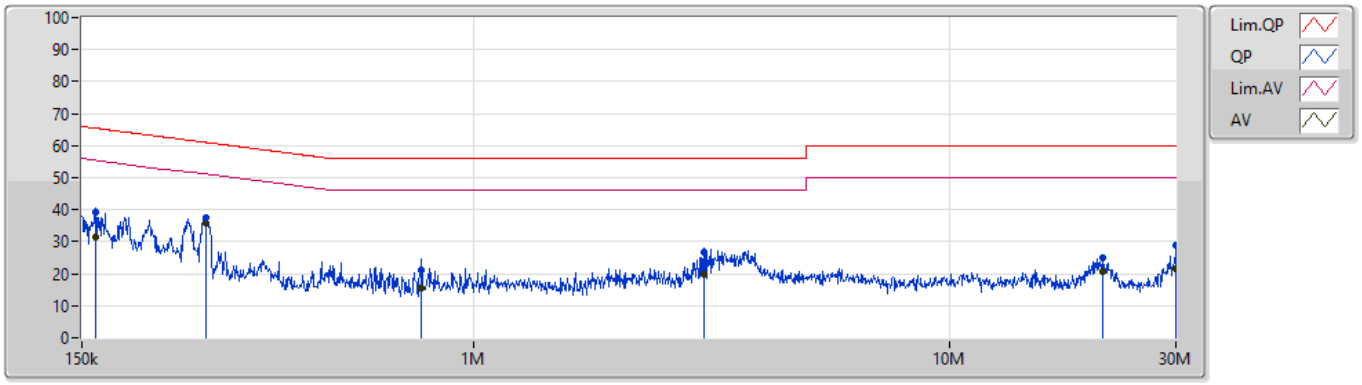
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	271.903k	36.49	51.07	-14.58	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	159.893k	39.41	65.46	-26.05	Line	-
Mode 1	Pass	AV	159.893k	31.31	55.46	-24.15	Line	-
Mode 1	Pass	QP	272.991k	37.39	61.03	-23.64	Line	-
Mode 1	Pass	AV	272.991k	35.85	51.03	-15.18	Line	"Worst"
Mode 1	Pass	QP	773.833k	21.12	56.00	-34.88	Line	-
Mode 1	Pass	AV	773.833k	15.63	46.00	-30.37	Line	-
Mode 1	Pass	QP	3.043M	26.77	56.00	-29.23	Line	-
Mode 1	Pass	AV	3.043M	20.03	46.00	-25.97	Line	-
Mode 1	Pass	QP	21.01M	25.10	60.00	-34.90	Line	-
Mode 1	Pass	AV	21.01M	20.64	50.00	-29.36	Line	-
Mode 1	Pass	QP	29.973M	28.90	60.00	-31.10	Line	-
Mode 1	Pass	AV	29.973M	21.34	50.00	-28.66	Line	-
Mode 1	Pass	QP	251.038k	39.39	61.72	-22.33	Neutral	-
Mode 1	Pass	AV	251.038k	36.78	51.72	-14.94	Neutral	-
Mode 1	Pass	QP	271.903k	38.27	61.07	-22.80	Neutral	-
Mode 1	Pass	AV	271.903k	36.49	51.07	-14.58	Neutral	"Worst"
Mode 1	Pass	QP	828.172k	20.35	56.00	-35.65	Neutral	-
Mode 1	Pass	AV	828.172k	16.18	46.00	-29.82	Neutral	-
Mode 1	Pass	QP	2.983M	24.62	56.00	-31.38	Neutral	-
Mode 1	Pass	AV	2.983M	18.28	46.00	-27.72	Neutral	-
Mode 1	Pass	QP	20.677M	25.71	60.00	-34.29	Neutral	-
Mode 1	Pass	AV	20.677M	20.65	50.00	-29.35	Neutral	-
Mode 1	Pass	QP	30M	27.68	60.00	-32.32	Neutral	-
Mode 1	Pass	AV	30M	33.44	50.00	-16.56	Neutral	-

Conducted Emissions at Powerline_Mode 1

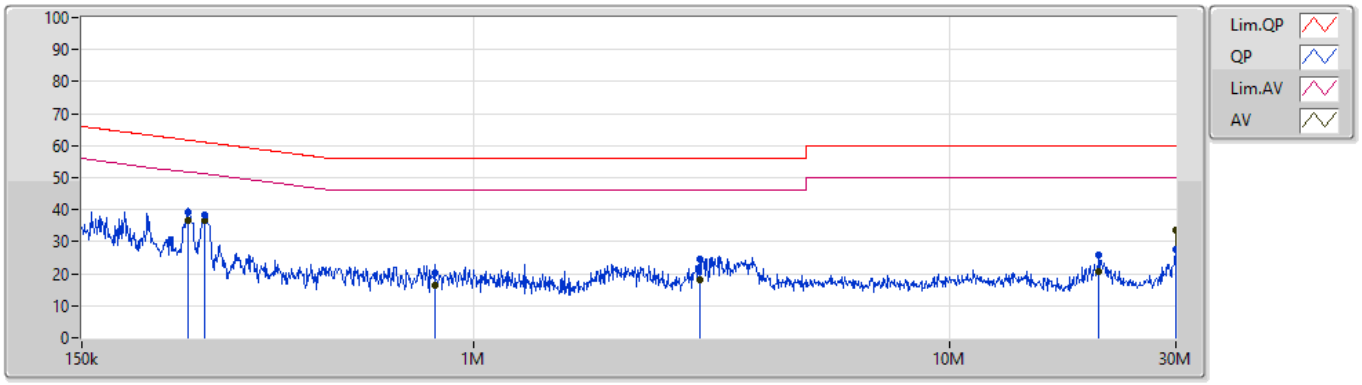
15/07/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159.893k	39.41	65.46	-26.05	19.64	Line	-	19.77	9.66	0.11	9.87
AV	159.893k	31.31	55.46	-24.15	19.64	Line	-	11.67	9.66	0.11	9.87
QP	272.991k	37.39	61.03	-23.64	19.64	Line	-	17.75	9.65	0.12	9.87
AV	272.991k	35.85	51.03	-15.18	19.64	Line	"Worst"	16.21	9.65	0.12	9.87
QP	773.833k	21.12	56.00	-34.88	19.63	Line	-	1.49	9.64	0.12	9.87
AV	773.833k	15.63	46.00	-30.37	19.63	Line	-	-4.00	9.64	0.12	9.87
QP	3.043M	26.77	56.00	-29.23	19.70	Line	-	7.07	9.66	0.16	9.88
AV	3.043M	20.03	46.00	-25.97	19.70	Line	-	0.33	9.66	0.16	9.88
QP	21.01M	25.10	60.00	-34.90	19.88	Line	-	5.22	9.62	0.37	9.89
AV	21.01M	20.64	50.00	-29.36	19.88	Line	-	0.76	9.62	0.37	9.89
QP	29.973M	28.90	60.00	-31.10	19.83	Line	-	9.07	9.50	0.45	9.88
AV	29.973M	21.34	50.00	-28.66	19.83	Line	-	1.51	9.50	0.45	9.88

Conducted Emissions at Powerline_Mode 1

15/07/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	251.038k	39.39	61.72	-22.33	19.63	Neutral	-	19.76	9.64	0.12	9.87
AV	251.038k	36.78	51.72	-14.94	19.63	Neutral	-	17.15	9.64	0.12	9.87
QP	271.903k	38.27	61.07	-22.80	19.63	Neutral	-	18.64	9.64	0.12	9.87
AV	271.903k	36.49	51.07	-14.58	19.63	Neutral	"Worst"	16.86	9.64	0.12	9.87
QP	828.172k	20.35	56.00	-35.65	19.61	Neutral	-	0.74	9.63	0.11	9.87
AV	828.172k	16.18	46.00	-29.82	19.61	Neutral	-	-3.43	9.63	0.11	9.87
QP	2.983M	24.62	56.00	-31.38	19.70	Neutral	-	4.92	9.66	0.16	9.88
AV	2.983M	18.28	46.00	-27.72	19.70	Neutral	-	-1.42	9.66	0.16	9.88
QP	20.677M	25.71	60.00	-34.29	19.98	Neutral	-	5.73	9.72	0.37	9.89
AV	20.677M	20.65	50.00	-29.35	19.98	Neutral	-	0.67	9.72	0.37	9.89
QP	30M	27.68	60.00	-32.32	19.99	Neutral	-	7.69	9.66	0.45	9.88
AV	30M	33.44	50.00	-16.56	19.99	Neutral	-	13.45	9.66	0.45	9.88

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	7.525M	12.894M	12M9G1D	7.05M	11.334M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.632M	16M6D1D	16.05M	16.452M
802.11n HT20_Nss1,(MCS0)_2TX	17.575M	17.751M	17M8D1D	17.275M	17.651M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

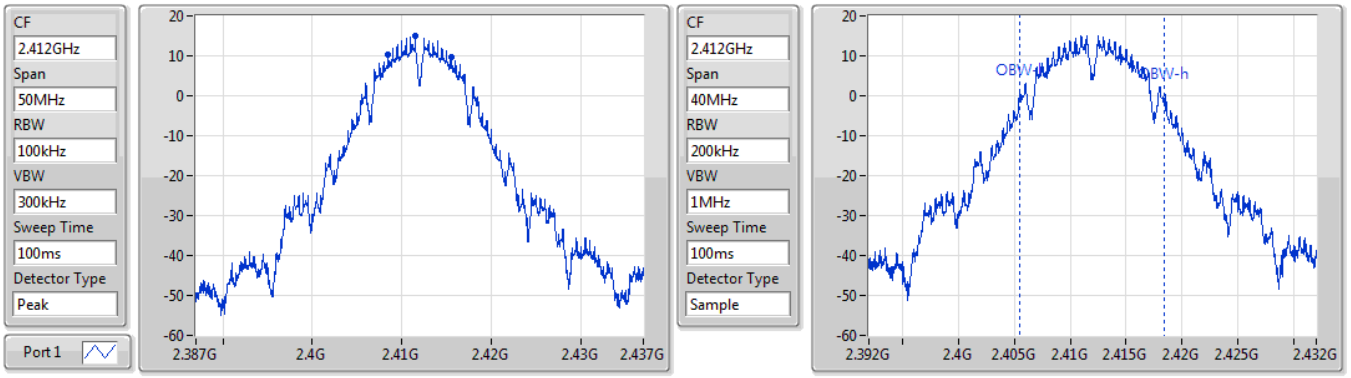
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.05M	12.894M		
2437MHz	Pass	500k	7.525M	12.754M		
2462MHz	Pass	500k	7.5M	11.334M		
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.472M	16.3M	16.492M
2437MHz	Pass	500k	16.3M	16.612M	16.3M	16.632M
2462MHz	Pass	500k	16.05M	16.452M	16.275M	16.472M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.651M	17.275M	17.671M
2437MHz	Pass	500k	17.525M	17.751M	17.3M	17.711M
2462MHz	Pass	500k	17.575M	17.691M	17.275M	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

08/07/2020

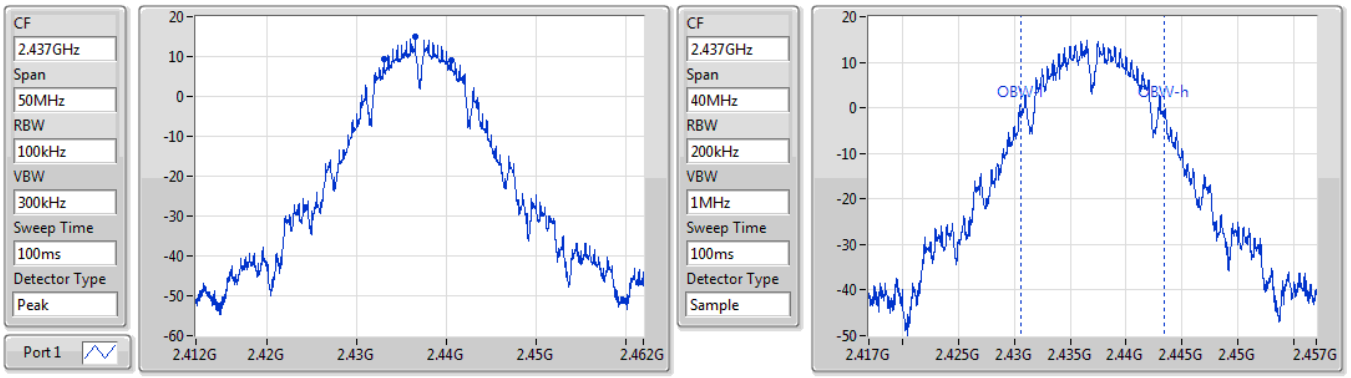


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.408475G	2.415525G	12.894M	2.405523G	2.418417G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

08/07/2020

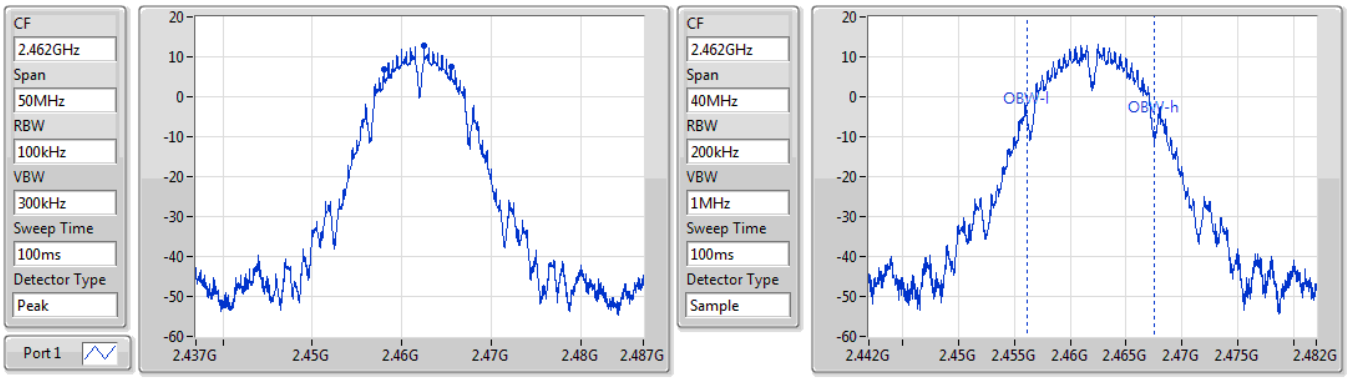


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.433G	2.440525G	12.754M	2.430603G	2.443357G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

08/07/2020

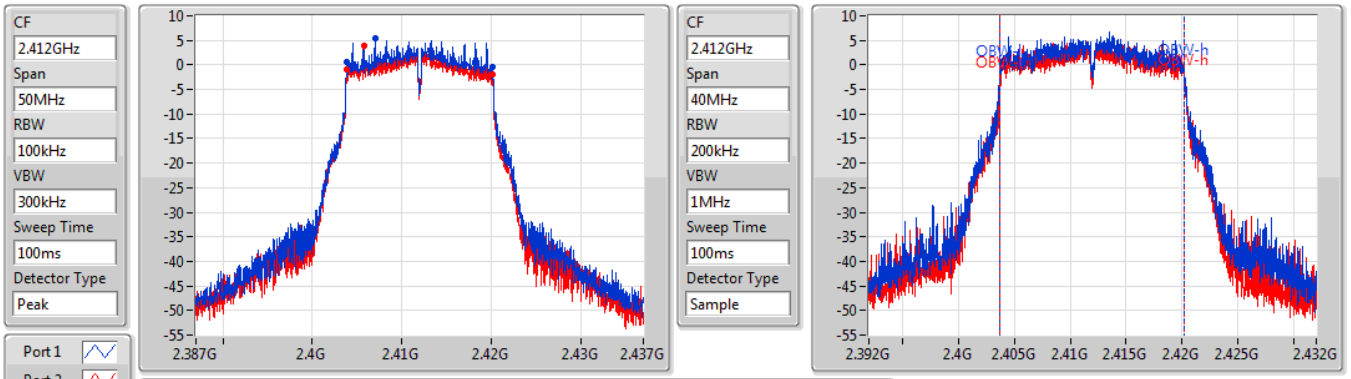


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.5M	2.458025G	2.465525G	11.334M	2.456203G	2.467537G	500k	1

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

08/07/2020

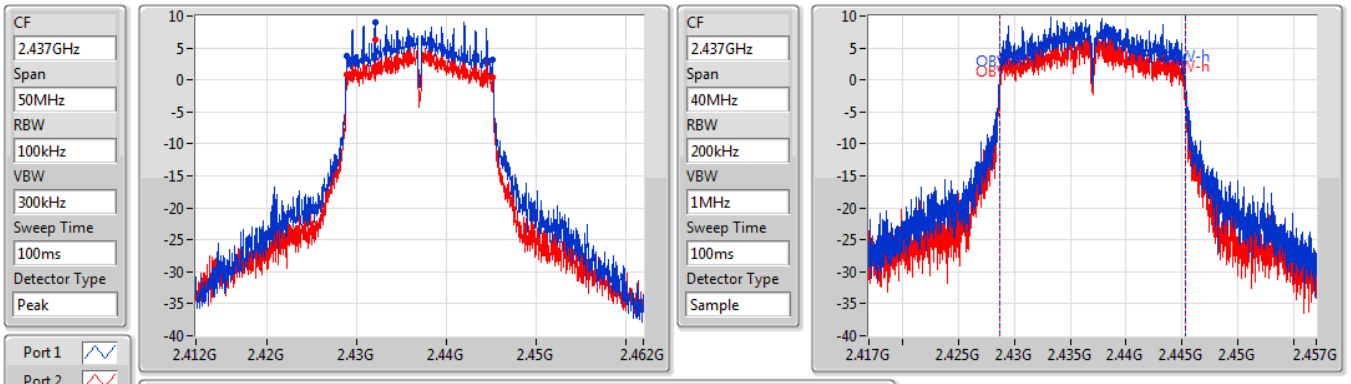


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.40385G	2.42015G	16.472M	2.403744G	2.420216G	500k	1
16.3M	2.40385G	2.42015G	16.492M	2.403744G	2.420236G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

08/07/2020

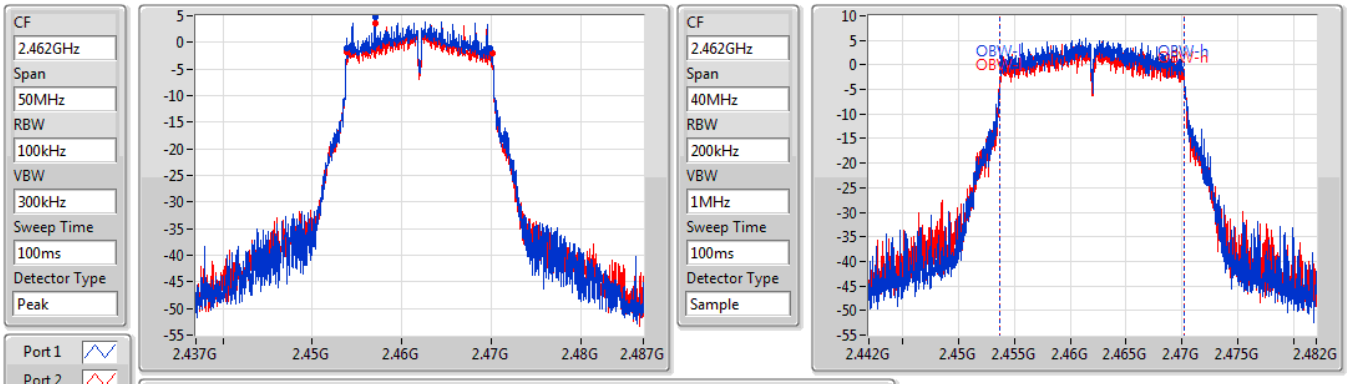


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.612M	2.428664G	2.445276G	500k	1
16.3M	2.42885G	2.44515G	16.632M	2.428644G	2.445276G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

08/07/2020

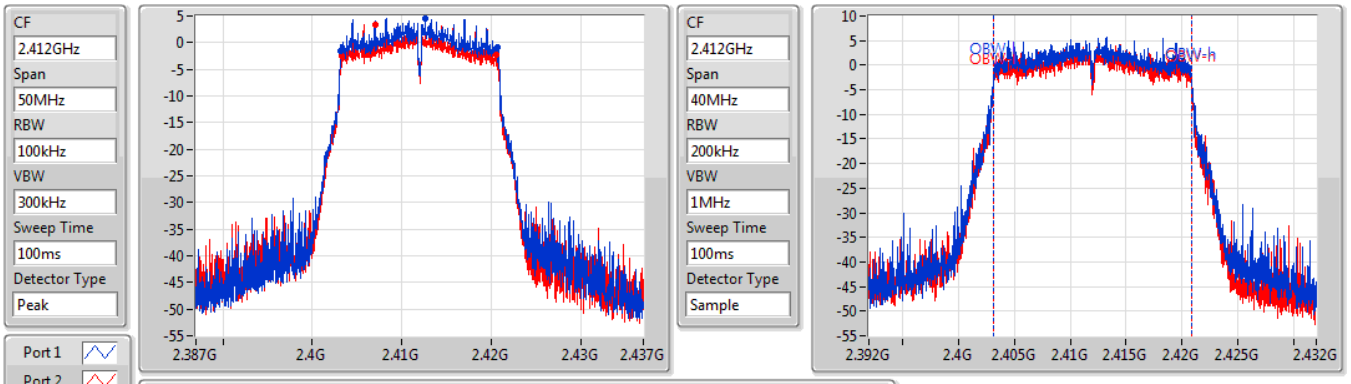


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.05M	2.453825G	2.469875G	16.452M	2.453744G	2.470196G	500k	1
16.275M	2.45385G	2.470125G	16.472M	2.453724G	2.470196G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2412MHz

08/07/2020

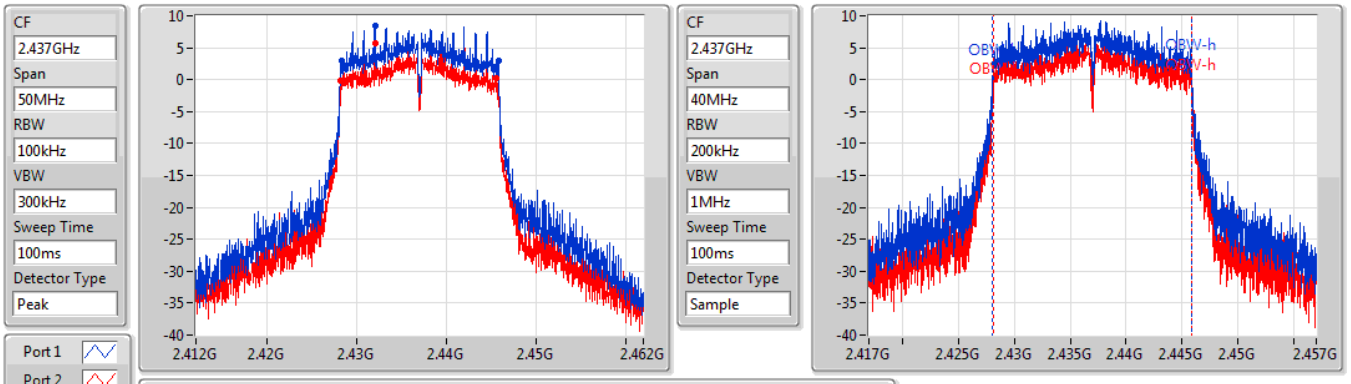


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4032G	2.42075G	17.651M	2.403164G	2.420816G	500k	1
17.275M	2.40325G	2.420525G	17.671M	2.403144G	2.420816G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2437MHz

08/07/2020

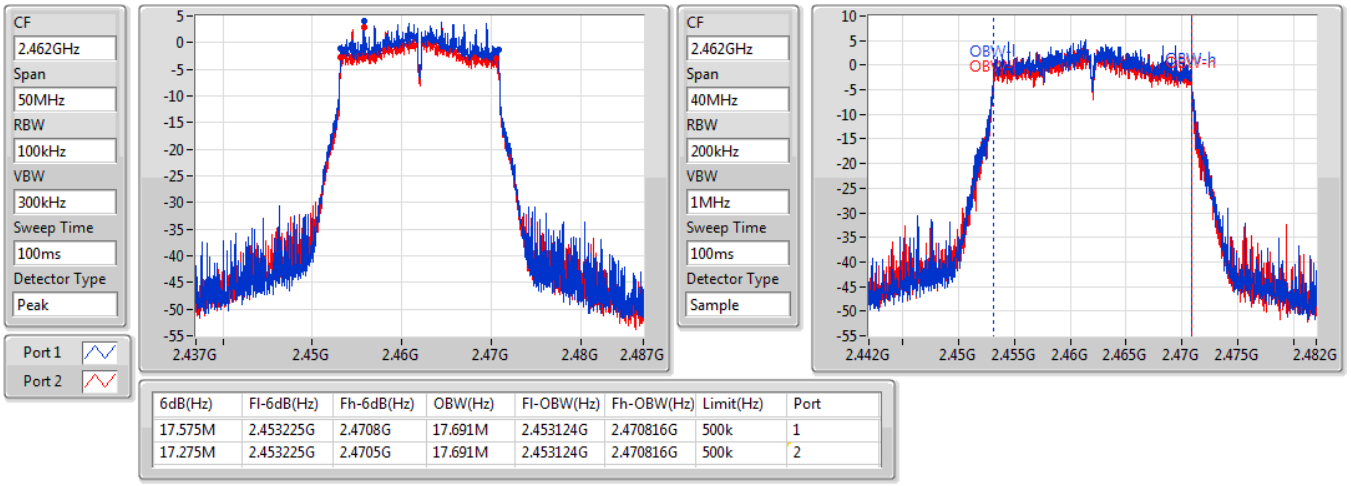


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.42825G	2.445775G	17.751M	2.428084G	2.445836G	500k	1
17.3M	2.428225G	2.445525G	17.711M	2.428124G	2.445836G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

2462MHz

08/07/2020



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453225G	2.4708G	17.691M	2.453124G	2.470816G	500k	1
17.275M	2.453225G	2.4705G	17.691M	2.453124G	2.470816G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.86	0.19320
802.11g_Nss1,(6Mbps)_2TX	22.37	0.17258
802.11n HT20_Nss1,(MCS0)_2TX	21.73	0.14894

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.74	22.86		22.86	30.00
2437MHz	Pass	2.74	22.60		22.60	30.00
2457MHz	Pass	2.74	22.13		22.13	30.00
2462MHz	Pass	2.74	20.54		20.54	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.74	17.05	15.74	19.45	30.00
2417MHz	Pass	2.74	17.08	15.56	19.40	30.00
2437MHz	Pass	2.74	20.37	18.05	22.37	30.00
2457MHz	Pass	2.74	16.49	15.35	18.97	30.00
2462MHz	Pass	2.74	16.27	15.26	18.80	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.74	16.46	15.11	18.85	30.00
2417MHz	Pass	2.74	17.68	16.25	20.03	30.00
2437MHz	Pass	2.74	19.77	17.32	21.73	30.00
2457MHz	Pass	2.74	17.21	15.99	19.65	30.00
2462MHz	Pass	2.74	15.64	13.99	17.90	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	1.06
802.11g_Nss1,(6Mbps)_2TX	-2.68
802.11n HT20_Nss1,(MCS0)_2TX	-4.64

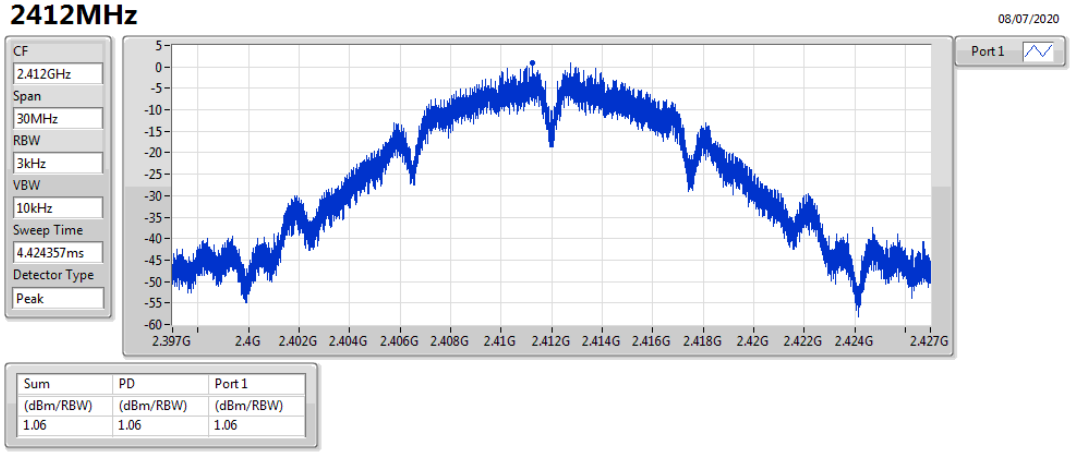
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	2.74	1.06		1.06	8.00
2437MHz	Pass	2.74	0.29		0.29	8.00
2462MHz	Pass	2.74	-2.97		-2.97	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.55	-6.85	-8.20	-4.46	8.00
2437MHz	Pass	5.55	-4.22	-6.30	-2.68	8.00
2462MHz	Pass	5.55	-8.31	-10.25	-6.60	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.55	-8.61	-9.32	-6.96	8.00
2437MHz	Pass	5.55	-5.48	-7.79	-4.64	8.00
2462MHz	Pass	5.55	-9.46	-10.30	-6.85	8.00

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX PSD

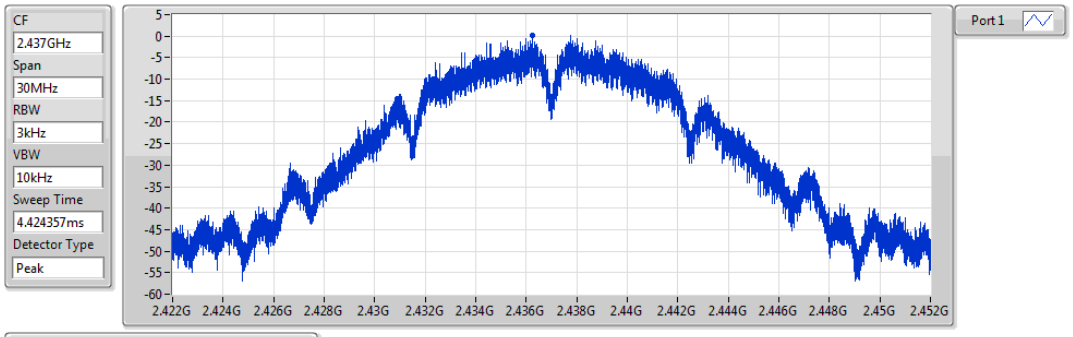
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.06	1.06	1.06

802.11b_Nss1,(1Mbps)_1TX PSD

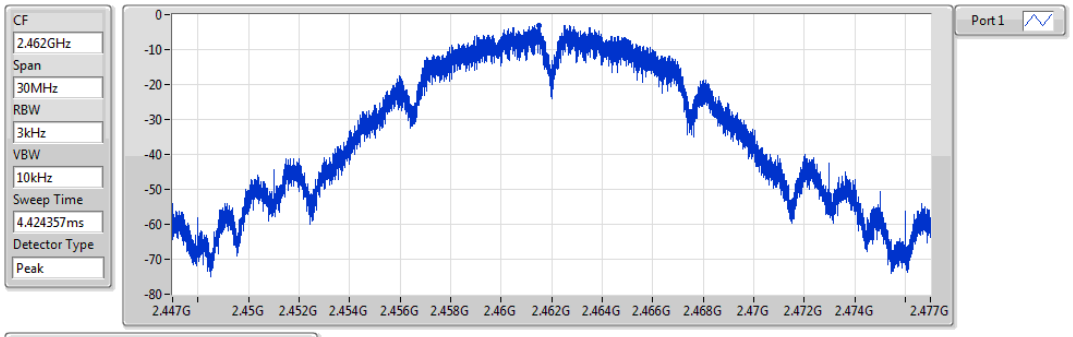
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.29	0.29	0.29

802.11b_Nss1,(1Mbps)_1TX PSD

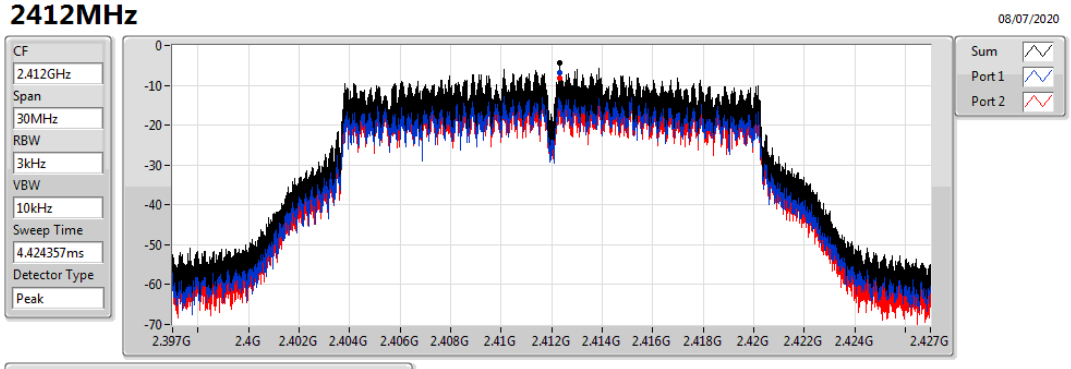
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.97	-2.97	-2.97

802.11g_Nss1,(6Mbps)_2TX PSD

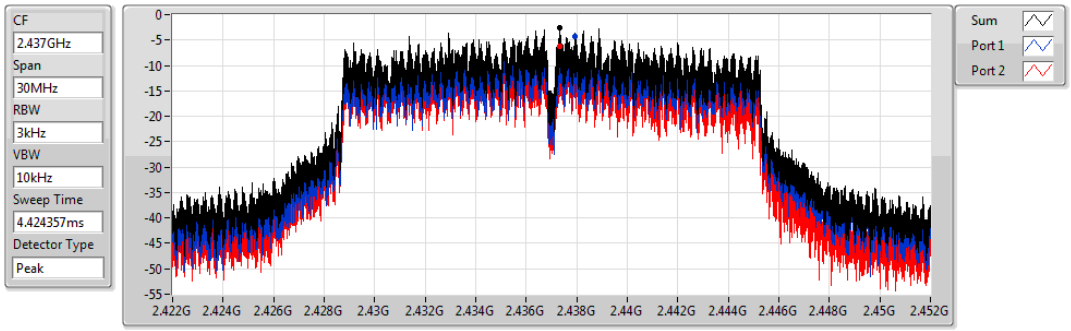
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.46	-4.46	-6.85	-8.20

802.11g_Nss1,(6Mbps)_2TX PSD

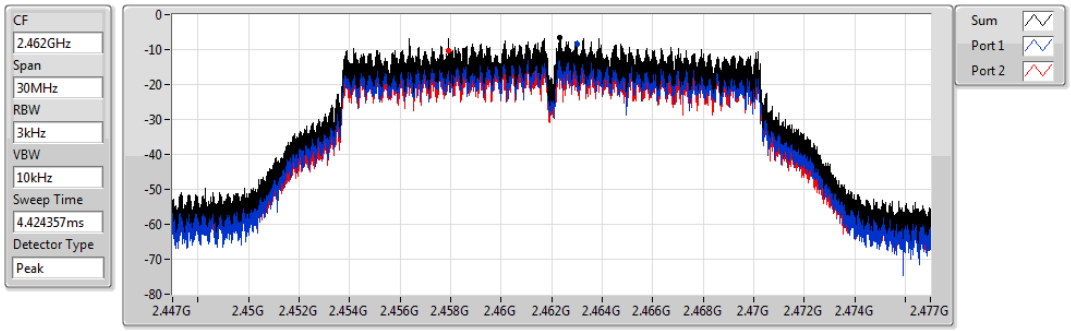
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.68	-2.68	-4.22	-6.30

802.11g_Nss1,(6Mbps)_2TX PSD

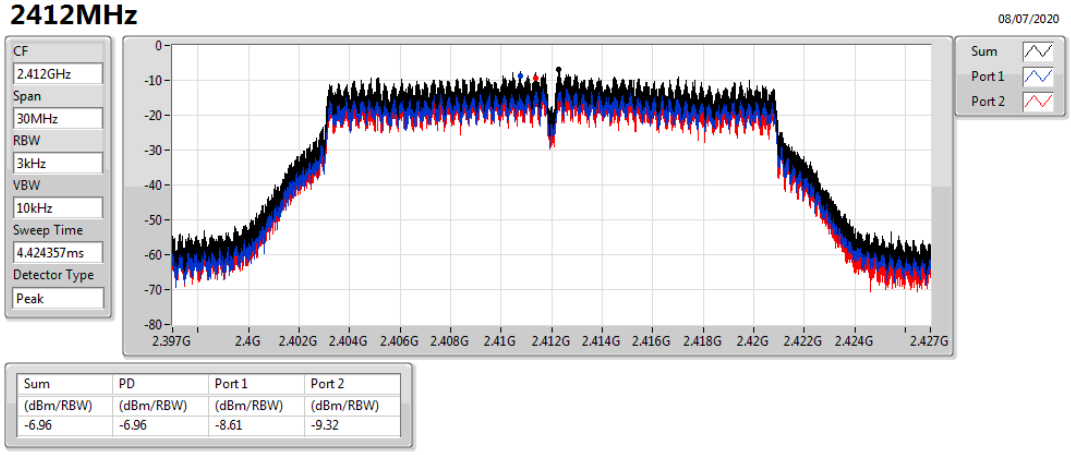
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.60	-6.60	-8.31	-10.25

802.11n HT20_Nss1,(MCS0)_2TX PSD

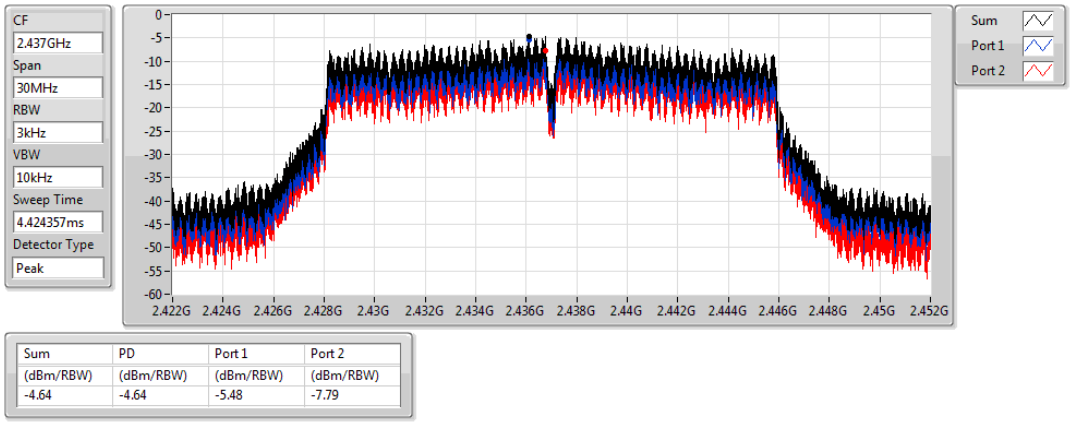
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.96	-6.96	-8.61	-9.32

802.11n HT20_Nss1,(MCS0)_2TX PSD

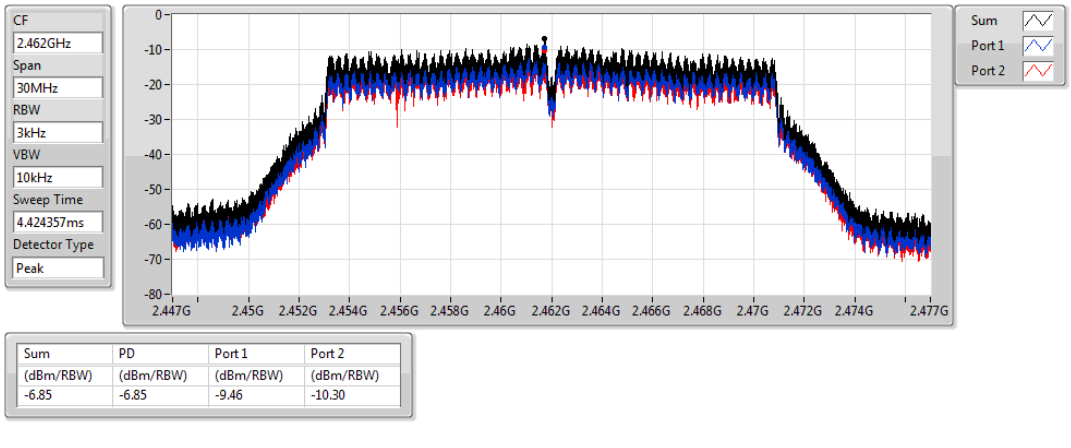
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.64	-4.64	-5.48	-7.79

802.11n HT20_Nss1,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.85	-6.85	-9.46	-10.30

Summary

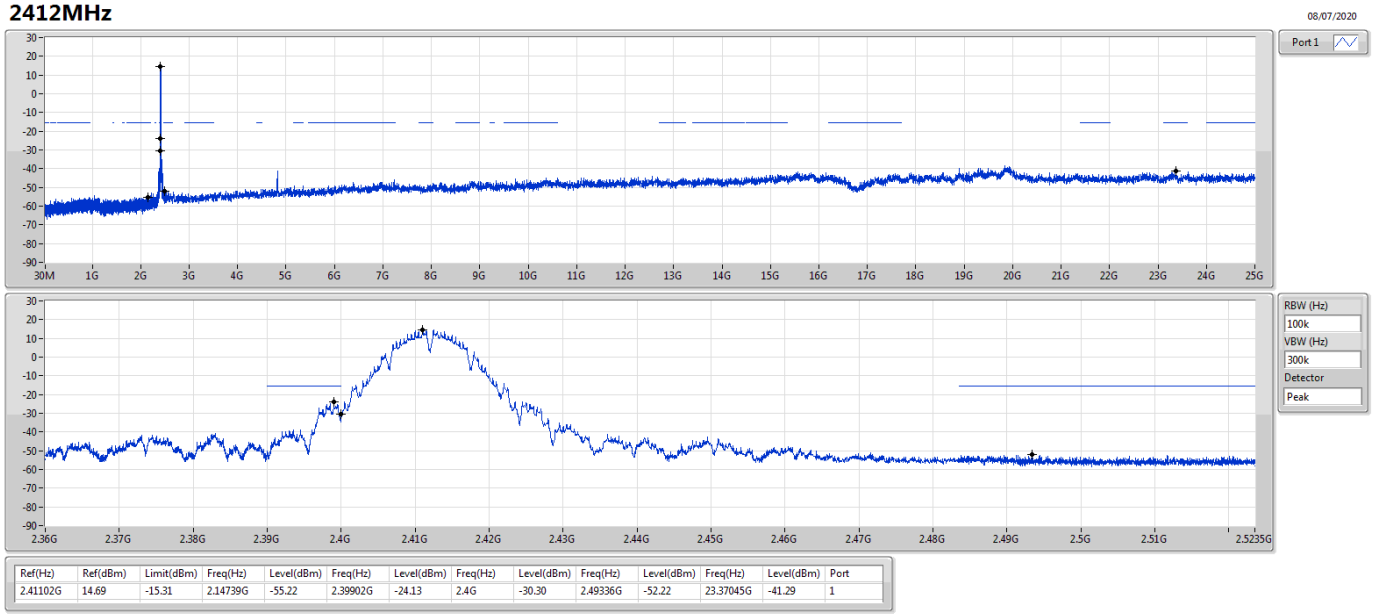
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41102G	14.69	-15.31	2.14739G	-55.22	2.39902G	-24.13	2.4G	-30.30	2.49336G	-52.22	23.37045G	-41.29	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43327G	7.88	-22.12	1.98953G	-54.53	2.39888G	-30.29	2.4G	-32.67	2.4992G	-52.21	23.37607G	-41.15	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.43198G	8.40	-21.60	1.90245G	-54.64	2.39852G	-29.62	2.4G	-35.24	2.50362G	-52.24	15.3323G	-40.53	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	2.41102G	14.69	-15.31	2.14739G	-55.22	2.39902G	-24.13	2.4G	-30.30	2.49336G	-52.22	23.37045G	-41.29	1
2437MHz	Pass	2.41102G	14.69	-15.31	939.57M	-54.63	2.39954G	-41.98	2.4G	-44.83	2.4855G	-48.43	24.98314G	-41.70	1
2462MHz	Pass	2.41102G	14.69	-15.31	2.127G	-53.94	2.39992G	-51.98	2.4835G	-49.62	2.49002G	-42.16	17.62209G	-41.88	1
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43327G	7.88	-22.12	1.98953G	-54.53	2.39888G	-30.29	2.4G	-32.67	2.4992G	-52.21	23.37607G	-41.15	1
2412MHz	Pass	2.43327G	7.88	-22.12	2.30874G	-53.86	2.39982G	-33.39	2.4G	-34.31	2.5196G	-52.24	15.02886G	-41.73	2
2437MHz	Pass	2.43327G	7.88	-22.12	1.95312G	-54.38	2.397G	-34.83	2.4G	-39.21	2.48756G	-44.32	24.57576G	-40.90	1
2437MHz	Pass	2.43327G	7.88	-22.12	1.94497G	-53.66	2.39888G	-40.71	2.4G	-43.69	2.48352G	-46.51	16.25383G	-41.13	2
2462MHz	Pass	2.43327G	7.88	-22.12	2.30932G	-54.56	2.39664G	-52.04	2.4835G	-44.12	2.4835G	-44.66	16.25664G	-41.74	1
2462MHz	Pass	2.43327G	7.88	-22.12	810.84M	-54.60	2.39948G	-52.38	2.4835G	-41.76	2.48386G	-39.71	24.94662G	-41.46	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	8.40	-21.60	1.90245G	-54.64	2.39852G	-29.62	2.4G	-35.24	2.50362G	-52.24	15.3323G	-40.53	1
2412MHz	Pass	2.43198G	8.40	-21.60	2.13603G	-54.32	2.39988G	-32.45	2.4G	-37.90	2.514G	-52.23	15.25082G	-41.55	2
2437MHz	Pass	2.43198G	8.40	-21.60	2.05506G	-54.52	2.39946G	-34.76	2.4G	-41.41	2.48476G	-44.73	23.55027G	-41.27	1
2437MHz	Pass	2.43198G	8.40	-21.60	2.13457G	-54.36	2.39984G	-38.59	2.4G	-40.55	2.4839G	-44.23	21.70157G	-41.03	2
2462MHz	Pass	2.43198G	8.40	-21.60	702.79M	-54.90	2.3938G	-50.50	2.4835G	-50.17	2.48506G	-40.11	17.60242G	-40.91	1
2462MHz	Pass	2.43198G	8.40	-21.60	830.06M	-53.29	2.39726G	-51.97	2.4835G	-50.67	2.48568G	-42.01	23.30021G	-41.67	2

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

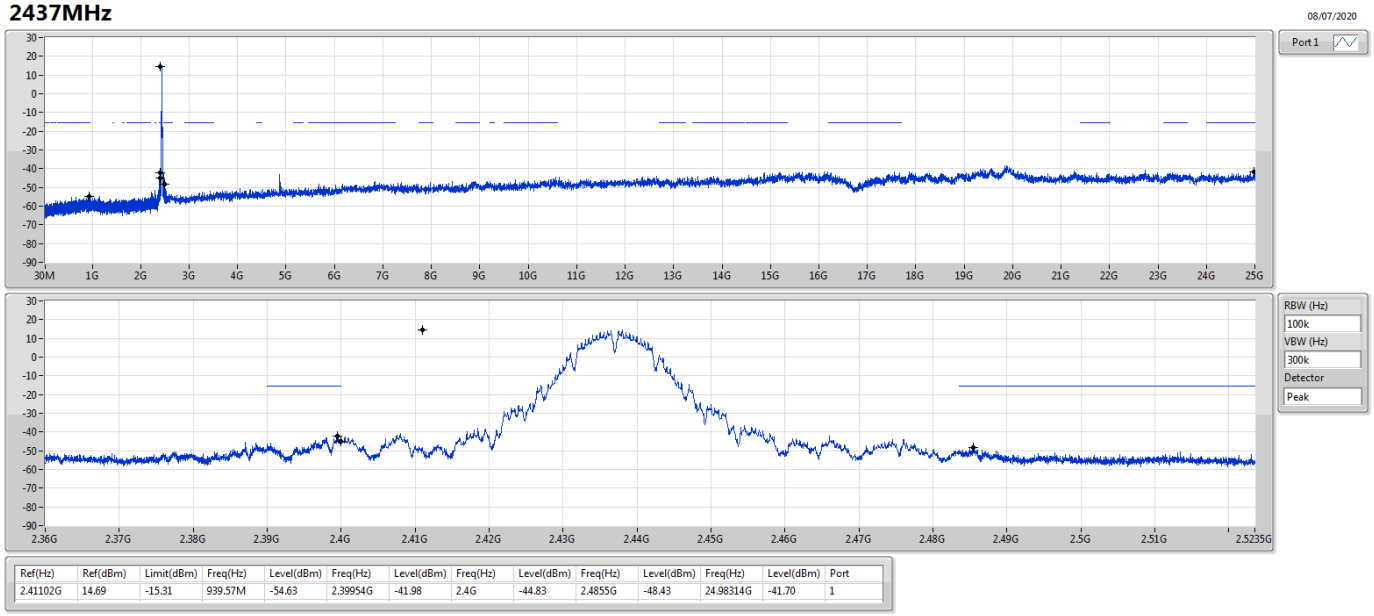
2412MHz



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
2.41102G	14.69	-15.31	2.14739G	-55.22	2.39902G	-24.13	2.4G	-30.30	2.49336G	-52.22	23.37045G	-41.29	1

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

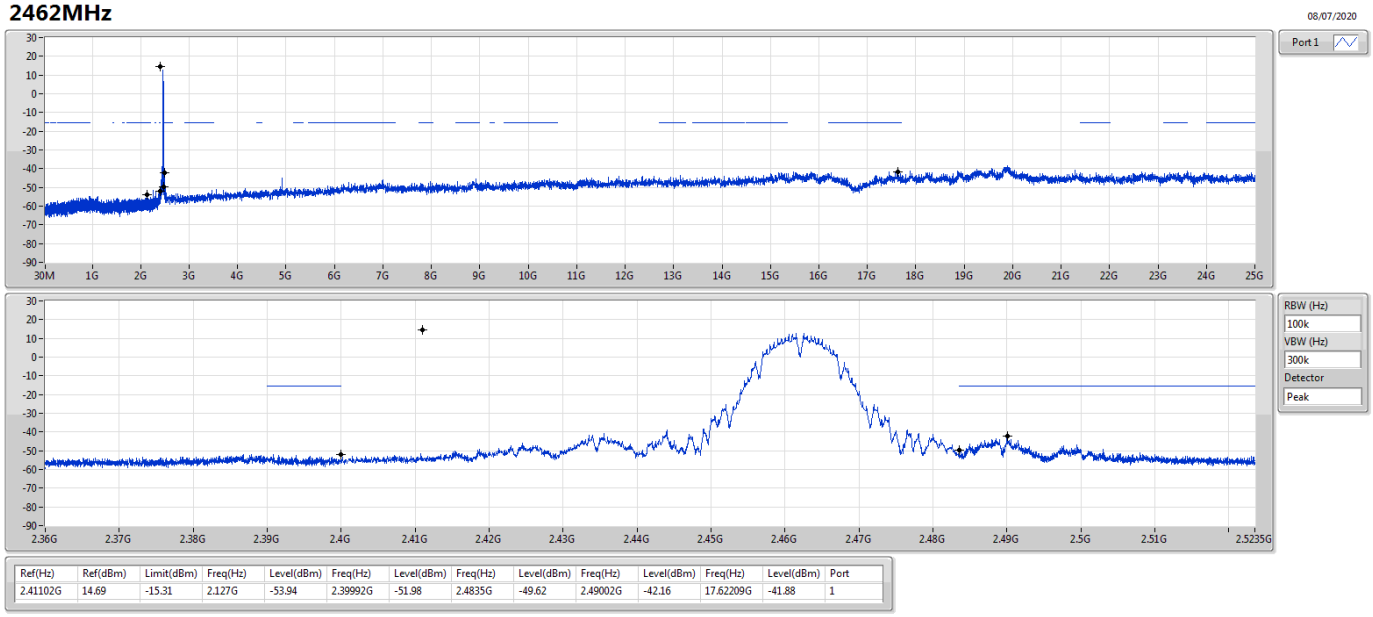
2437MHz



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
2.41102G	14.69	-15.31	939.57M	-54.63	2.39954G	-41.98	2.4G	-44.83	2.4855G	-48.43	24.98314G	-41.70	1

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

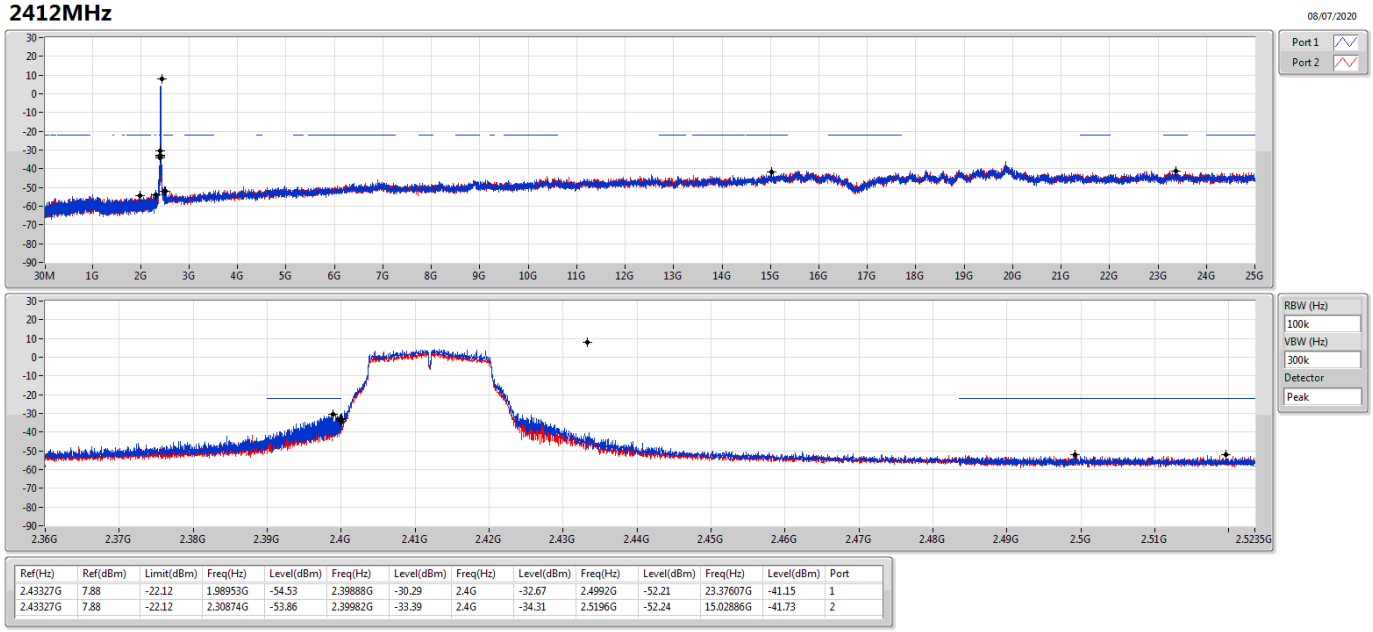
2462MHz



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
2.41102G	14.69	-15.31	2.127G	-53.94	2.39992G	-51.98	2.4835G	-49.62	2.49002G	-42.16	17.62209G	-41.88	1

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

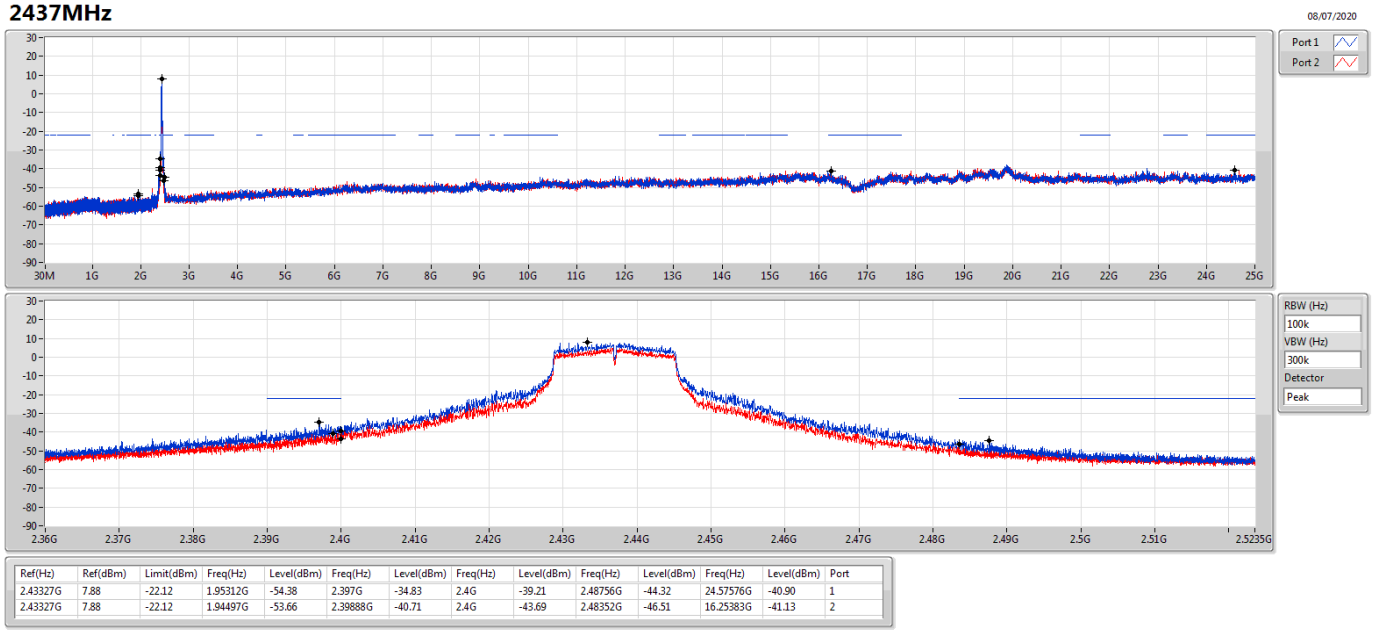
2412MHz



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
2.43327G	7.88	-22.12	1.98953G	-54.53	2.39888G	-30.29	2.4G	-32.67	2.4992G	-52.21	23.37607G	-41.15	1
2.43327G	7.88	-22.12	2.30874G	-53.86	2.39982G	-33.39	2.4G	-34.31	2.5196G	-52.24	15.02886G	-41.73	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

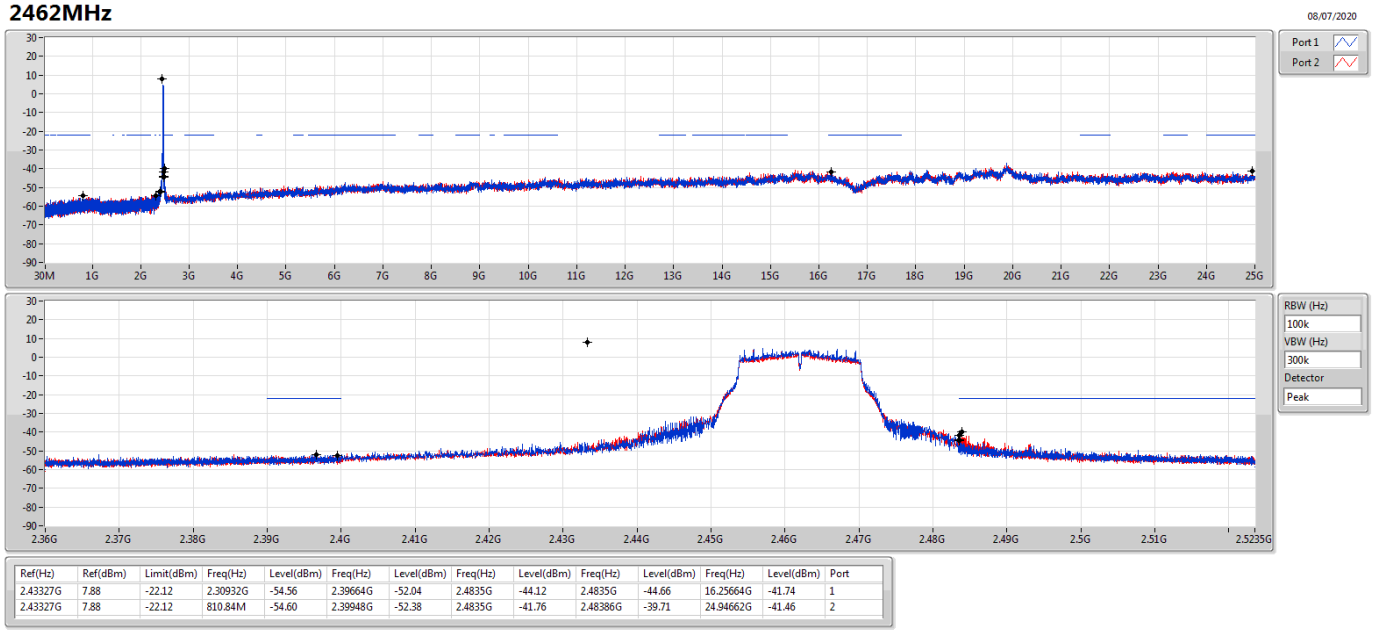
2437MHz



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
2.43327G	7.88	-22.12	1.95312G	-54.38	2.397G	-34.83	2.4G	-39.21	2.48756G	-44.32	24.57576G	-40.90	1
2.43327G	7.88	-22.12	1.94497G	-53.66	2.39888G	-40.71	2.4G	-43.69	2.48352G	-46.51	16.25383G	-41.13	2

802.11g_Nss1,(6Mbps)_2TX **CSENdB**

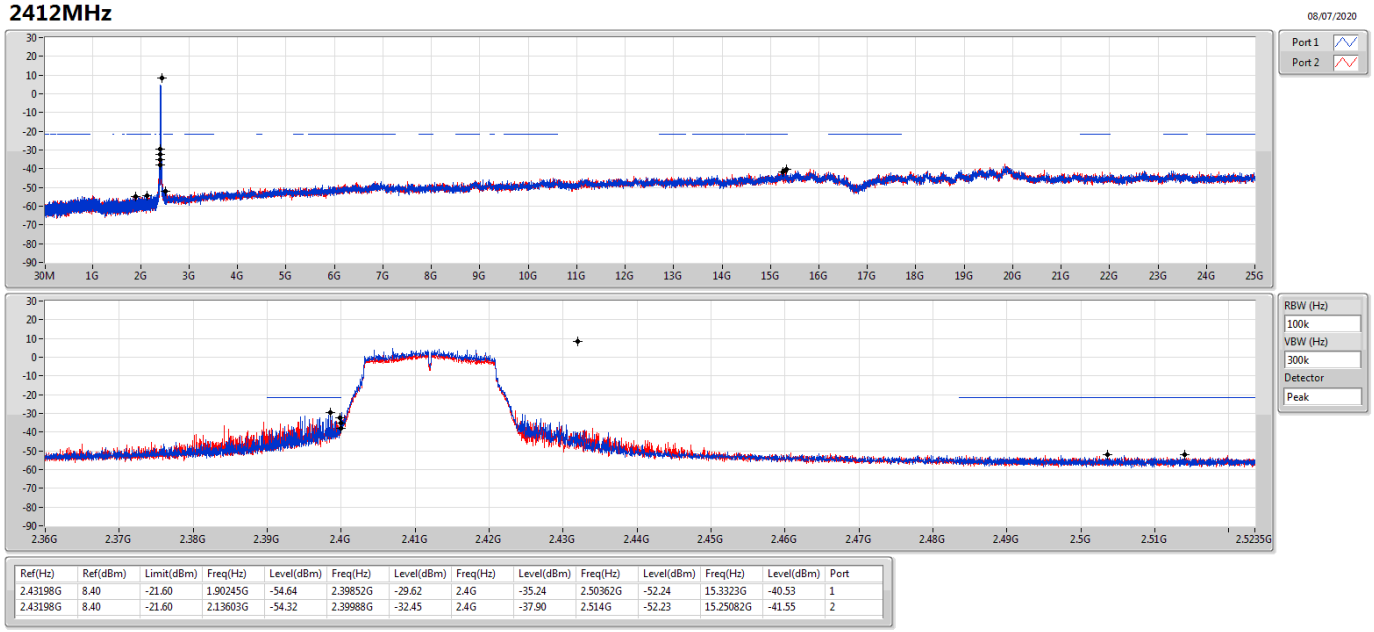
2462MHz



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
2.43327G	7.88	-22.12	2.30932G	-54.56	2.39664G	-52.04	2.4835G	-44.12	2.4835G	-44.66	16.25664G	-41.74	1
2.43327G	7.88	-22.12	810.84M	-54.60	2.39948G	-52.38	2.4835G	-41.76	2.48386G	-39.71	24.94662G	-41.46	2

802.11n HT20_Nss1,(MCS0)_2TX **CSENdB**

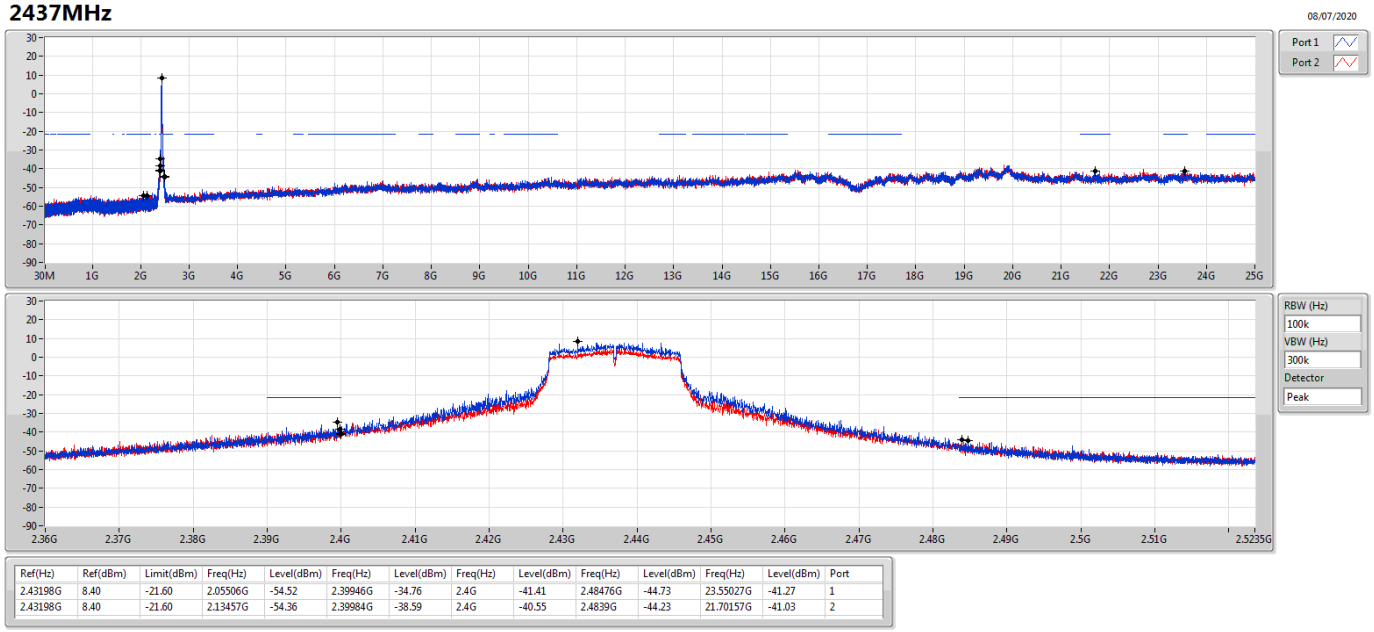
2412MHz



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	8.40	-21.60	1.90245G	-54.64	2.39852G	-29.62	2.4G	-35.24	2.50362G	-52.24	15.3323G	-40.53	1
2.43198G	8.40	-21.60	2.13603G	-54.32	2.39988G	-32.45	2.4G	-37.90	2.514G	-52.23	15.25082G	-41.55	2

802.11n HT20_Nss1,(MCS0)_2TX **CSENdB**

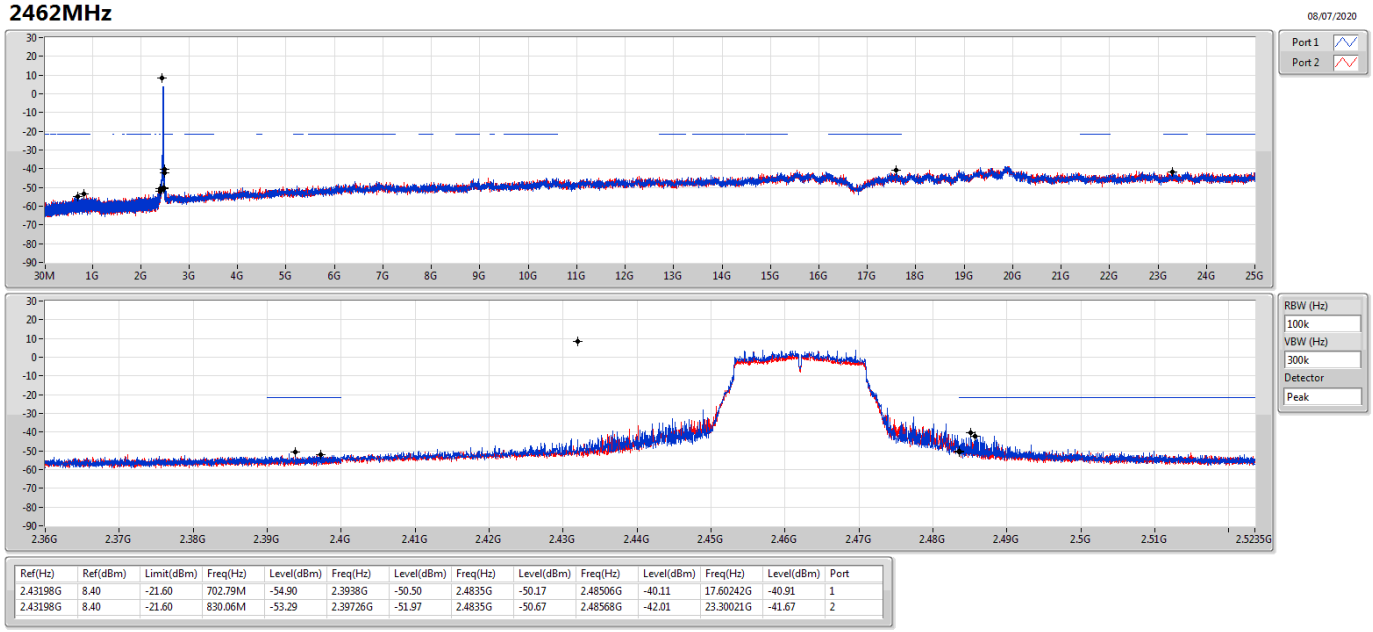
2437MHz



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	8.40	-21.60	2.05506G	-54.52	2.39946G	-34.76	2.4G	-41.41	2.48476G	-44.73	23.55027G	-41.27	1
2.43198G	8.40	-21.60	2.13457G	-54.36	2.39984G	-38.59	2.4G	-40.55	2.4839G	-44.23	21.70157G	-41.03	2

802.11n HT20_Nss1,(MCS0)_2TX **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	8.40	-21.60	702.79M	-54.90	2.3938G	-50.50	2.4835G	-50.17	2.48506G	-40.11	17.60242G	-40.91	1
2.43198G	8.40	-21.60	830.06M	-53.29	2.39726G	-51.97	2.4835G	-50.67	2.48568G	-42.01	23.30021G	-41.67	2

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)_2TX	Pass	PK	30M	33.85	40.00	-6.15	3	Vertical	0	1.00	-

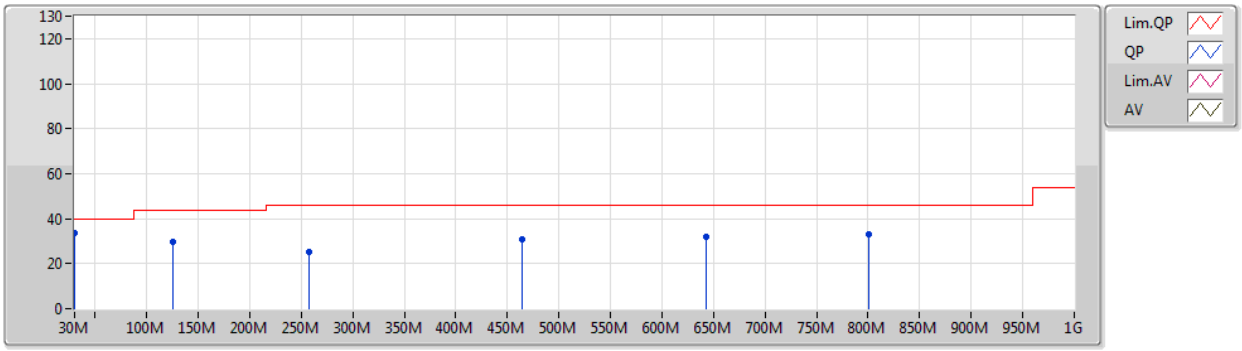
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	33.85	40.00	-6.15	3	Vertical	0	1.00	-
2437MHz	Pass	PK	125.06M	29.75	43.50	-13.75	3	Vertical	0	1.00	-
2437MHz	Pass	PK	256.98M	25.38	46.00	-20.62	3	Vertical	0	1.00	-
2437MHz	Pass	PK	464.56M	30.55	46.00	-15.45	3	Vertical	0	1.00	-
2437MHz	Pass	PK	643.04M	32.10	46.00	-13.90	3	Vertical	0	1.00	-
2437MHz	Pass	PK	800.18M	32.97	46.00	-13.03	3	Vertical	0	1.00	-
2437MHz	Pass	PK	30M	30.31	40.00	-9.69	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	127M	26.89	43.50	-16.61	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	175.5M	32.07	43.50	-11.43	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	321M	37.38	46.00	-8.62	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	443.22M	32.69	46.00	-13.31	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	745.86M	32.18	46.00	-13.82	3	Horizontal	360	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Adapter

08/07/2020

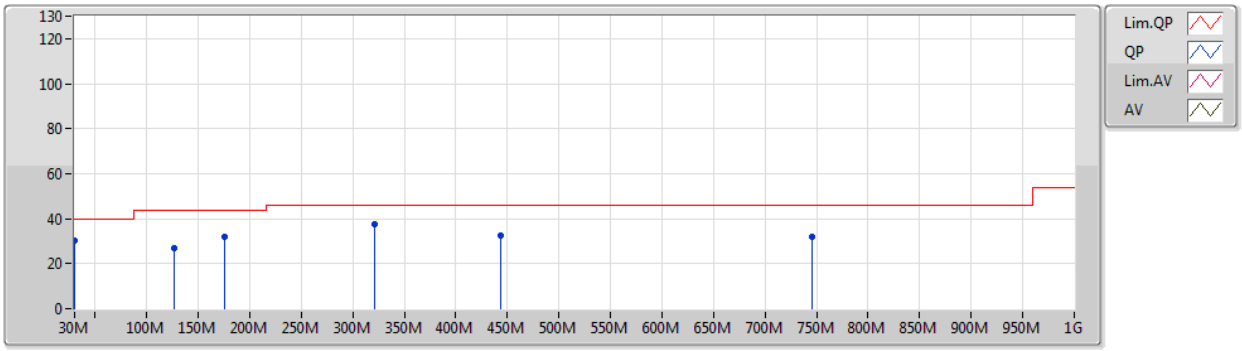


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	33.85	40.00	-6.15	-2.92	3	Vertical	0	1.00	-	36.77	23.48	0.81	27.21
PK	125.06M	29.75	43.50	-13.75	-8.83	3	Vertical	0	1.00	-	38.58	17.20	1.66	27.69
PK	256.98M	25.38	46.00	-20.62	-6.26	3	Vertical	0	1.00	-	31.64	18.35	2.44	27.05
PK	464.56M	30.55	46.00	-15.45	-2.45	3	Vertical	0	1.00	-	33.00	22.33	3.35	28.13
PK	643.04M	32.10	46.00	-13.90	-0.12	3	Vertical	0	1.00	-	32.22	24.18	3.99	28.29
PK	800.18M	32.97	46.00	-13.03	1.64	3	Vertical	0	1.00	-	31.33	24.88	4.54	27.78

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_Adapter

08/07/2020



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	30.31	40.00	-9.69	-2.92	3	Horizontal	360	1.00	-	33.23	23.48	0.81	27.21
PK	127M	26.89	43.50	-16.61	-8.91	3	Horizontal	360	1.00	-	35.80	17.10	1.67	27.68
PK	175.5M	32.07	43.50	-11.43	-10.96	3	Horizontal	360	1.00	-	43.03	14.52	1.98	27.46
PK	321M	37.38	46.00	-8.62	-5.67	3	Horizontal	360	1.00	-	43.05	18.74	2.75	27.16
PK	443.22M	32.69	46.00	-13.31	-3.02	3	Horizontal	360	1.00	-	35.71	21.75	3.25	28.02
PK	745.86M	32.18	46.00	-13.82	1.10	3	Horizontal	360	1.00	-	31.08	24.80	4.31	28.01

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	52.48	54.00	-1.52	3	Vertical	112	1.01	-
802.11g_Nss1,(6Mbps)_2TX	Pass	PK	2.3898G	72.69	74.00	-1.31	3	Vertical	118	1.33	-
802.11n HT20_Nss1,(MCS0)_2TX	Pass	PK	2.3894G	72.81	74.00	-1.19	3	Vertical	119	1.34	-

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	2.3876G	51.69	54.00	-2.31	3	Vertical	180	1.48	-
2412MHz	Pass	AV	2.4112G	107.62	Inf	-Inf	3	Vertical	180	1.48	-
2412MHz	Pass	PK	2.388G	60.60	74.00	-13.40	3	Vertical	180	1.48	-
2412MHz	Pass	PK	2.413G	111.46	Inf	-Inf	3	Vertical	180	1.48	-
2412MHz	Pass	AV	2.3878G	50.52	54.00	-3.48	3	Horizontal	321	1.00	-
2412MHz	Pass	AV	2.4128G	106.26	Inf	-Inf	3	Horizontal	321	1.00	-
2412MHz	Pass	PK	2.388G	59.87	74.00	-14.13	3	Horizontal	321	1.00	-
2412MHz	Pass	PK	2.413G	110.23	Inf	-Inf	3	Horizontal	321	1.00	-
2412MHz	Pass	AV	4.82401G	40.71	54.00	-13.29	3	Vertical	129	1.13	-
2412MHz	Pass	PK	4.82398G	47.65	74.00	-26.35	3	Vertical	129	1.13	-
2412MHz	Pass	AV	4.82397G	35.58	54.00	-18.42	3	Horizontal	198	1.73	-
2412MHz	Pass	PK	4.82402G	45.77	74.00	-28.23	3	Horizontal	198	1.73	-
2437MHz	Pass	AV	2.3886G	47.88	54.00	-6.12	3	Vertical	112	1.17	-
2437MHz	Pass	AV	2.4362G	108.66	Inf	-Inf	3	Vertical	112	1.17	-
2437MHz	Pass	AV	2.4854G	47.16	54.00	-6.84	3	Vertical	112	1.17	-
2437MHz	Pass	PK	2.3426G	58.77	74.00	-15.23	3	Vertical	112	1.17	-
2437MHz	Pass	PK	2.4378G	112.47	Inf	-Inf	3	Vertical	112	1.17	-
2437MHz	Pass	PK	2.485G	58.02	74.00	-15.98	3	Vertical	112	1.17	-
2437MHz	Pass	AV	2.3886G	46.62	54.00	-7.38	3	Horizontal	321	1.25	-
2437MHz	Pass	AV	2.4362G	105.53	Inf	-Inf	3	Horizontal	321	1.25	-
2437MHz	Pass	AV	2.4854G	45.90	54.00	-8.10	3	Horizontal	321	1.25	-
2437MHz	Pass	PK	2.355G	57.98	74.00	-16.02	3	Horizontal	321	1.25	-
2437MHz	Pass	PK	2.4362G	109.23	Inf	-Inf	3	Horizontal	321	1.25	-
2437MHz	Pass	PK	2.4894G	57.13	74.00	-16.87	3	Horizontal	321	1.25	-
2437MHz	Pass	AV	4.874G	41.99	54.00	-12.01	3	Vertical	133	2.02	-
2437MHz	Pass	AV	7.31028G	46.32	54.00	-7.68	3	Vertical	138	2.05	-
2437MHz	Pass	PK	4.87414G	48.02	74.00	-25.98	3	Vertical	133	2.02	-
2437MHz	Pass	PK	7.3101G	54.42	74.00	-19.58	3	Vertical	138	2.05	-
2437MHz	Pass	AV	4.87398G	36.19	54.00	-17.81	3	Horizontal	198	1.66	-
2437MHz	Pass	AV	7.31022G	41.55	54.00	-12.45	3	Horizontal	140	1.37	-
2437MHz	Pass	PK	4.87408G	45.77	74.00	-28.23	3	Horizontal	198	1.66	-
2437MHz	Pass	PK	7.31004G	52.23	74.00	-21.77	3	Horizontal	140	1.37	-
2457MHz	Pass	AV	2.4562G	108.92	Inf	-Inf	3	Vertical	113	1.00	-
2457MHz	Pass	AV	2.4944G	48.87	54.00	-5.13	3	Vertical	113	1.00	-
2457MHz	Pass	PK	2.458G	112.74	Inf	-Inf	3	Vertical	113	1.00	-
2457MHz	Pass	PK	2.4866G	59.36	74.00	-14.64	3	Vertical	113	1.00	-
2457MHz	Pass	AV	2.4562G	105.30	Inf	-Inf	3	Horizontal	49	2.93	-
2457MHz	Pass	AV	2.4862G	46.75	54.00	-7.25	3	Horizontal	49	2.93	-
2457MHz	Pass	PK	2.456G	109.06	Inf	-Inf	3	Horizontal	49	2.93	-
2457MHz	Pass	PK	2.4948G	58.40	74.00	-15.60	3	Horizontal	49	2.93	-
2462MHz	Pass	AV	2.4612G	108.34	Inf	-Inf	3	Vertical	112	1.01	-
2462MHz	Pass	AV	2.4835G	52.48	54.00	-1.52	3	Vertical	112	1.01	-
2462MHz	Pass	PK	2.463G	112.24	Inf	-Inf	3	Vertical	112	1.01	-
2462MHz	Pass	PK	2.4835G	60.52	74.00	-13.48	3	Vertical	112	1.01	-
2462MHz	Pass	AV	2.4612G	104.59	Inf	-Inf	3	Horizontal	55	1.50	-
2462MHz	Pass	AV	2.4835G	51.34	54.00	-2.66	3	Horizontal	55	1.50	-
2462MHz	Pass	PK	2.461G	108.29	Inf	-Inf	3	Horizontal	55	1.50	-

Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4836G	60.77	74.00	-13.23	3	Horizontal	55	1.50	-
2462MHz	Pass	AV	4.92398G	40.92	54.00	-13.08	3	Vertical	132	2.09	-
2462MHz	Pass	AV	7.38528G	46.06	54.00	-7.94	3	Vertical	139	1.99	-
2462MHz	Pass	PK	4.92403G	47.64	74.00	-26.36	3	Vertical	132	2.09	-
2462MHz	Pass	PK	7.38714G	54.32	74.00	-19.68	3	Vertical	139	1.99	-
2462MHz	Pass	AV	4.92396G	35.51	54.00	-18.49	3	Horizontal	46	1.49	-
2462MHz	Pass	AV	7.38528G	45.98	54.00	-8.02	3	Horizontal	313	2.13	-
2462MHz	Pass	PK	4.92398G	45.16	74.00	-28.84	3	Horizontal	46	1.49	-
2462MHz	Pass	PK	7.38648G	54.56	74.00	-19.44	3	Horizontal	313	2.13	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.74	54.00	-2.26	3	Vertical	118	1.33	-
2412MHz	Pass	AV	2.4144G	101.23	Inf	-Inf	3	Vertical	118	1.33	-
2412MHz	Pass	PK	2.3898G	72.69	74.00	-1.31	3	Vertical	118	1.33	-
2412MHz	Pass	PK	2.4144G	111.44	Inf	-Inf	3	Vertical	118	1.33	-
2412MHz	Pass	AV	2.3888G	48.73	54.00	-5.27	3	Horizontal	38	2.73	-
2412MHz	Pass	AV	2.4124G	98.67	Inf	-Inf	3	Horizontal	38	2.73	-
2412MHz	Pass	PK	2.387G	67.18	74.00	-6.82	3	Horizontal	38	2.73	-
2412MHz	Pass	PK	2.4142G	108.78	Inf	-Inf	3	Horizontal	38	2.73	-
2412MHz	Pass	AV	4.8237G	31.54	54.00	-22.46	3	Vertical	114	2.92	-
2412MHz	Pass	PK	4.82442G	44.88	74.00	-29.12	3	Vertical	114	2.92	-
2412MHz	Pass	AV	4.8282G	29.93	54.00	-24.07	3	Horizontal	0	1.46	-
2412MHz	Pass	PK	4.81506G	43.90	74.00	-30.10	3	Horizontal	0	1.46	-
2417MHz	Pass	AV	2.3896G	49.95	54.00	-4.05	3	Vertical	118	1.35	-
2417MHz	Pass	AV	2.4192G	101.92	Inf	-Inf	3	Vertical	118	1.35	-
2417MHz	Pass	PK	2.3896G	72.45	74.00	-1.55	3	Vertical	118	1.35	-
2417MHz	Pass	PK	2.4194G	112.17	Inf	-Inf	3	Vertical	118	1.35	-
2417MHz	Pass	AV	2.3898G	47.82	54.00	-6.18	3	Horizontal	45	1.49	-
2417MHz	Pass	AV	2.4164G	98.49	Inf	-Inf	3	Horizontal	45	1.49	-
2417MHz	Pass	PK	2.3898G	66.23	74.00	-7.77	3	Horizontal	45	1.49	-
2417MHz	Pass	PK	2.4162G	108.22	Inf	-Inf	3	Horizontal	45	1.49	-
2437MHz	Pass	AV	2.3898G	51.23	54.00	-2.77	3	Vertical	116	1.12	-
2437MHz	Pass	AV	2.4394G	105.02	Inf	-Inf	3	Vertical	116	1.12	-
2437MHz	Pass	AV	2.4842G	49.23	54.00	-4.77	3	Vertical	116	1.12	-
2437MHz	Pass	PK	2.389G	66.73	74.00	-7.27	3	Vertical	116	1.12	-
2437MHz	Pass	PK	2.439G	115.24	Inf	-Inf	3	Vertical	116	1.12	-
2437MHz	Pass	PK	2.4842G	63.79	74.00	-10.21	3	Vertical	116	1.12	-
2437MHz	Pass	AV	2.3898G	48.45	54.00	-5.55	3	Horizontal	319	1.28	-
2437MHz	Pass	AV	2.4374G	101.99	Inf	-Inf	3	Horizontal	319	1.28	-
2437MHz	Pass	AV	2.4835G	46.81	54.00	-7.19	3	Horizontal	319	1.28	-
2437MHz	Pass	PK	2.387G	62.35	74.00	-11.65	3	Horizontal	319	1.28	-
2437MHz	Pass	PK	2.4378G	111.51	Inf	-Inf	3	Horizontal	319	1.28	-
2437MHz	Pass	PK	2.4838G	60.40	74.00	-13.60	3	Horizontal	319	1.28	-
2437MHz	Pass	AV	4.87664G	33.06	54.00	-20.94	3	Vertical	121	1.00	-
2437MHz	Pass	AV	7.30644G	36.64	54.00	-17.36	3	Vertical	287	1.49	-
2437MHz	Pass	PK	4.87646G	46.07	74.00	-27.93	3	Vertical	121	1.00	-
2437MHz	Pass	PK	7.30944G	50.52	74.00	-23.48	3	Vertical	287	1.49	-
2437MHz	Pass	AV	4.87532G	30.34	54.00	-23.66	3	Horizontal	210	3.00	-
2437MHz	Pass	AV	7.30206G	36.56	54.00	-17.44	3	Horizontal	357	1.48	-
2437MHz	Pass	PK	4.88102G	44.39	74.00	-29.61	3	Horizontal	210	3.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	7.31028G	50.11	74.00	-23.89	3	Horizontal	357	1.48	-
2457MHz	Pass	AV	2.4542G	102.42	Inf	-Inf	3	Vertical	118	1.36	-
2457MHz	Pass	AV	2.4835G	48.13	54.00	-5.87	3	Vertical	118	1.36	-
2457MHz	Pass	PK	2.459G	112.63	Inf	-Inf	3	Vertical	118	1.36	-
2457MHz	Pass	PK	2.4846G	72.29	74.00	-1.71	3	Vertical	118	1.36	-
2457MHz	Pass	AV	2.4564G	100.86	Inf	-Inf	3	Horizontal	51	2.90	-
2457MHz	Pass	AV	2.4838G	47.05	54.00	-6.95	3	Horizontal	51	2.90	-
2457MHz	Pass	PK	2.456G	110.66	Inf	-Inf	3	Horizontal	51	2.90	-
2457MHz	Pass	PK	2.4848G	68.81	74.00	-5.19	3	Horizontal	51	2.90	-
2462MHz	Pass	AV	2.4638G	102.49	Inf	-Inf	3	Vertical	117	1.00	-
2462MHz	Pass	AV	2.4835G	49.99	54.00	-4.01	3	Vertical	117	1.00	-
2462MHz	Pass	PK	2.4642G	112.46	Inf	-Inf	3	Vertical	117	1.00	-
2462MHz	Pass	PK	2.4838G	72.69	74.00	-1.31	3	Vertical	117	1.00	-
2462MHz	Pass	AV	2.4612G	99.10	Inf	-Inf	3	Horizontal	58	2.90	-
2462MHz	Pass	AV	2.485G	47.63	54.00	-6.37	3	Horizontal	58	2.90	-
2462MHz	Pass	PK	2.4612G	108.74	Inf	-Inf	3	Horizontal	58	2.90	-
2462MHz	Pass	PK	2.4864G	67.50	74.00	-6.50	3	Horizontal	58	2.90	-
2462MHz	Pass	AV	4.92742G	32.41	54.00	-21.59	3	Vertical	108	1.98	-
2462MHz	Pass	AV	7.37502G	36.61	54.00	-17.39	3	Vertical	333	1.31	-
2462MHz	Pass	PK	4.9225G	45.88	74.00	-28.12	3	Vertical	108	1.98	-
2462MHz	Pass	PK	7.3749G	50.29	74.00	-23.71	3	Vertical	333	1.31	-
2462MHz	Pass	AV	4.9264G	30.94	54.00	-23.06	3	Horizontal	111	2.29	-
2462MHz	Pass	AV	7.37538G	36.63	54.00	-17.37	3	Horizontal	344	2.34	-
2462MHz	Pass	PK	4.93054G	44.68	74.00	-29.32	3	Horizontal	111	2.29	-
2462MHz	Pass	PK	7.37916G	50.60	74.00	-23.40	3	Horizontal	344	2.34	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3896G	50.29	54.00	-3.71	3	Vertical	119	1.34	-
2412MHz	Pass	AV	2.4146G	98.77	Inf	-Inf	3	Vertical	119	1.34	-
2412MHz	Pass	PK	2.3894G	72.81	74.00	-1.19	3	Vertical	119	1.34	-
2412MHz	Pass	PK	2.4146G	108.95	Inf	-Inf	3	Vertical	119	1.34	-
2412MHz	Pass	AV	2.3886G	48.14	54.00	-5.86	3	Horizontal	42	2.74	-
2412MHz	Pass	AV	2.413G	96.92	Inf	-Inf	3	Horizontal	42	2.74	-
2412MHz	Pass	PK	2.3886G	68.61	74.00	-5.39	3	Horizontal	42	2.74	-
2412MHz	Pass	PK	2.4134G	107.63	Inf	-Inf	3	Horizontal	42	2.74	-
2412MHz	Pass	AV	4.82544G	31.24	54.00	-22.76	3	Vertical	121	1.06	-
2412MHz	Pass	PK	4.8279G	44.89	74.00	-29.11	3	Vertical	121	1.06	-
2412MHz	Pass	AV	4.8264G	29.97	54.00	-24.03	3	Horizontal	132	1.13	-
2412MHz	Pass	PK	4.83846G	44.41	74.00	-29.59	3	Horizontal	132	1.13	-
2417MHz	Pass	AV	2.3886G	50.36	54.00	-3.64	3	Vertical	121	1.85	-
2417MHz	Pass	AV	2.4158G	101.39	Inf	-Inf	3	Vertical	121	1.85	-
2417MHz	Pass	PK	2.39G	72.37	74.00	-1.63	3	Vertical	121	1.85	-
2417MHz	Pass	PK	2.416G	111.55	Inf	-Inf	3	Vertical	121	1.85	-
2417MHz	Pass	AV	2.3896G	48.60	54.00	-5.40	3	Horizontal	46	3.00	-
2417MHz	Pass	AV	2.4166G	97.84	Inf	-Inf	3	Horizontal	46	3.00	-
2417MHz	Pass	PK	2.389G	67.71	74.00	-6.29	3	Horizontal	46	3.00	-
2417MHz	Pass	PK	2.4194G	108.70	Inf	-Inf	3	Horizontal	46	3.00	-
2437MHz	Pass	AV	2.3886G	49.08	54.00	-4.92	3	Vertical	115	1.13	-
2437MHz	Pass	AV	2.4366G	103.08	Inf	-Inf	3	Vertical	115	1.13	-
2437MHz	Pass	AV	2.4838G	47.88	54.00	-6.12	3	Vertical	115	1.13	-

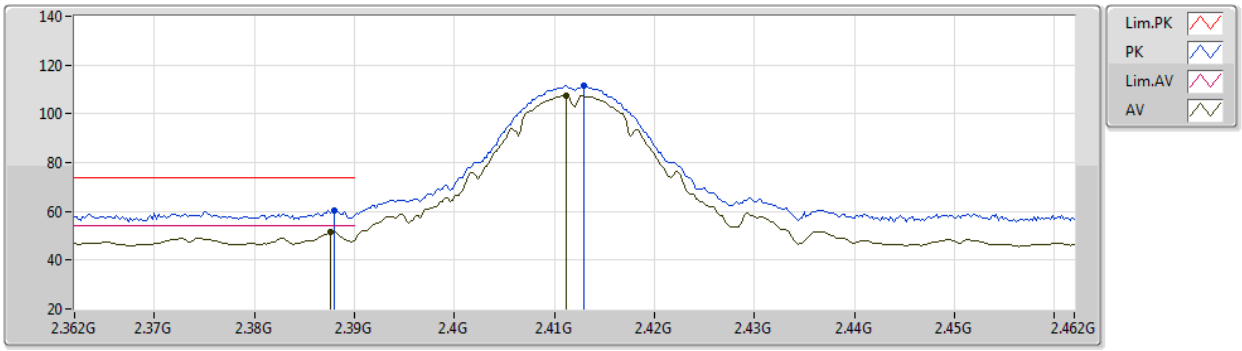
Level (dBuV/m) = Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3886G	64.36	74.00	-9.64	3	Vertical	115	1.13	-
2437MHz	Pass	PK	2.4398G	112.82	Inf	-Inf	3	Vertical	115	1.13	-
2437MHz	Pass	PK	2.485G	62.84	74.00	-11.16	3	Vertical	115	1.13	-
2437MHz	Pass	AV	2.3898G	47.41	54.00	-6.59	3	Horizontal	314	1.30	-
2437MHz	Pass	AV	2.4382G	99.99	Inf	-Inf	3	Horizontal	314	1.30	-
2437MHz	Pass	AV	2.4835G	46.85	54.00	-7.15	3	Horizontal	314	1.30	-
2437MHz	Pass	PK	2.3886G	63.19	74.00	-10.81	3	Horizontal	314	1.30	-
2437MHz	Pass	PK	2.4358G	110.52	Inf	-Inf	3	Horizontal	314	1.30	-
2437MHz	Pass	PK	2.4838G	60.79	74.00	-13.21	3	Horizontal	314	1.30	-
2437MHz	Pass	AV	4.8731G	32.09	54.00	-21.91	3	Vertical	102	2.01	-
2437MHz	Pass	AV	7.30266G	36.59	54.00	-17.41	3	Vertical	293	1.49	-
2437MHz	Pass	PK	4.87844G	45.67	74.00	-28.33	3	Vertical	102	2.01	-
2437MHz	Pass	PK	7.30182G	50.82	74.00	-23.18	3	Vertical	293	1.49	-
2437MHz	Pass	AV	4.87334G	30.27	54.00	-23.73	3	Horizontal	197	1.47	-
2437MHz	Pass	AV	7.30572G	36.51	54.00	-17.49	3	Horizontal	169	1.23	-
2437MHz	Pass	PK	4.86254G	44.17	74.00	-29.83	3	Horizontal	197	1.47	-
2437MHz	Pass	PK	7.32234G	50.03	74.00	-23.97	3	Horizontal	169	1.23	-
2457MHz	Pass	AV	2.4566G	102.02	Inf	-Inf	3	Vertical	120	1.35	-
2457MHz	Pass	AV	2.4842G	49.42	54.00	-4.58	3	Vertical	120	1.35	-
2457MHz	Pass	PK	2.4544G	112.34	Inf	-Inf	3	Vertical	120	1.35	-
2457MHz	Pass	PK	2.4842G	72.62	74.00	-1.38	3	Vertical	120	1.35	-
2457MHz	Pass	AV	2.4556G	100.27	Inf	-Inf	3	Horizontal	49	2.90	-
2457MHz	Pass	AV	2.4835G	48.14	54.00	-5.86	3	Horizontal	49	2.90	-
2457MHz	Pass	PK	2.4558G	111.44	Inf	-Inf	3	Horizontal	49	2.90	-
2457MHz	Pass	PK	2.4854G	69.21	74.00	-4.79	3	Horizontal	49	2.90	-
2462MHz	Pass	AV	2.4616G	100.61	Inf	-Inf	3	Vertical	119	1.37	-
2462MHz	Pass	AV	2.484G	48.54	54.00	-5.46	3	Vertical	119	1.37	-
2462MHz	Pass	PK	2.4644G	110.47	Inf	-Inf	3	Vertical	119	1.37	-
2462MHz	Pass	PK	2.4844G	72.48	74.00	-1.52	3	Vertical	119	1.37	-
2462MHz	Pass	AV	2.463G	98.24	Inf	-Inf	3	Horizontal	49	2.91	-
2462MHz	Pass	AV	2.4835G	47.47	54.00	-6.53	3	Horizontal	49	2.91	-
2462MHz	Pass	PK	2.4634G	109.18	Inf	-Inf	3	Horizontal	49	2.91	-
2462MHz	Pass	PK	2.4854G	71.26	74.00	-2.74	3	Horizontal	49	2.91	-
2462MHz	Pass	AV	4.92322G	31.31	54.00	-22.69	3	Vertical	142	1.50	-
2462MHz	Pass	AV	7.37508G	36.61	54.00	-17.39	3	Vertical	243	2.48	-
2462MHz	Pass	PK	4.92868G	44.71	74.00	-29.29	3	Vertical	142	1.50	-
2462MHz	Pass	PK	7.39416G	50.15	74.00	-23.85	3	Vertical	243	2.48	-
2462MHz	Pass	AV	4.92496G	30.58	54.00	-23.42	3	Horizontal	51	1.11	-
2462MHz	Pass	AV	7.37688G	36.61	54.00	-17.39	3	Horizontal	165	1.84	-
2462MHz	Pass	PK	4.93852G	44.80	74.00	-29.20	3	Horizontal	51	1.11	-
2462MHz	Pass	PK	7.38642G	50.43	74.00	-23.57	3	Horizontal	165	1.84	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/07/2020

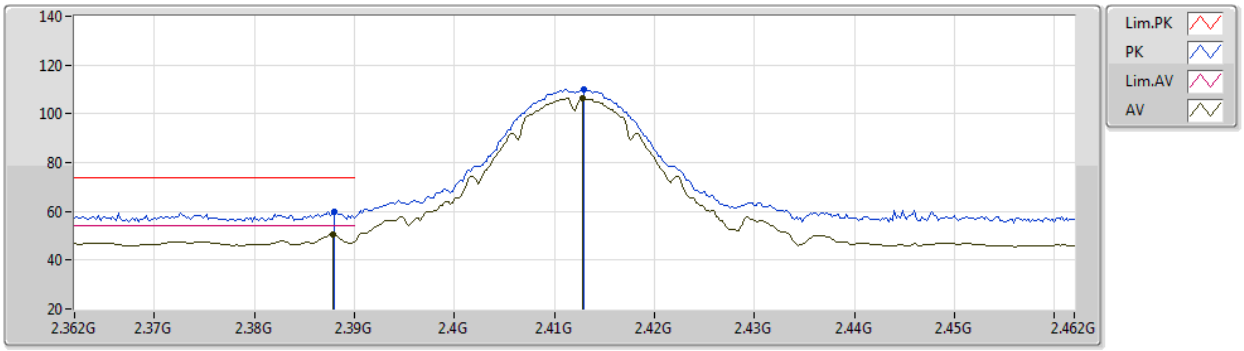


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3876G	51.69	54.00	-2.31	33.57	3	Vertical	180	1.48	-	18.12	27.62	5.95	-
AV	2.4112G	107.62	Inf	-Inf	33.53	3	Vertical	180	1.48	-	74.09	27.56	5.97	-
PK	2.388G	60.60	74.00	-13.40	33.57	3	Vertical	180	1.48	-	27.03	27.62	5.95	-
PK	2.413G	111.46	Inf	-Inf	33.53	3	Vertical	180	1.48	-	77.93	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/07/2020

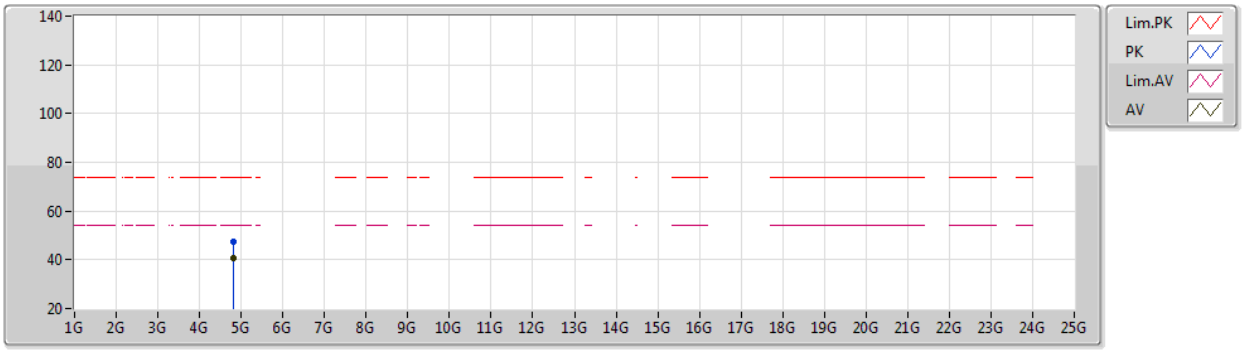


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	50.52	54.00	-3.48	33.57	3	Horizontal	321	1.00	-	16.95	27.62	5.95	-
AV	2.4128G	106.26	Inf	-Inf	33.53	3	Horizontal	321	1.00	-	72.73	27.55	5.98	-
PK	2.388G	59.87	74.00	-14.13	33.57	3	Horizontal	321	1.00	-	26.30	27.62	5.95	-
PK	2.413G	110.23	Inf	-Inf	33.53	3	Horizontal	321	1.00	-	76.70	27.55	5.98	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/07/2020

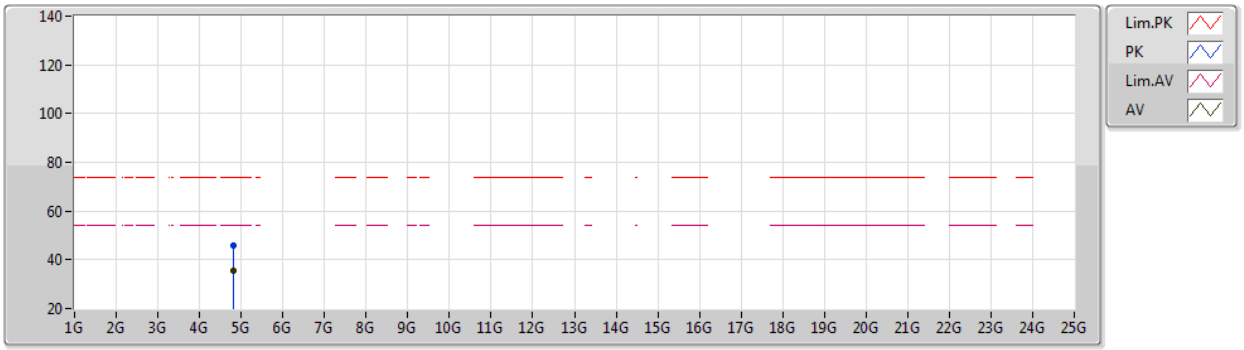


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82401G	40.71	54.00	-13.29	5.37	3	Vertical	129	1.13	-	35.34	31.00	8.27	33.90
PK	4.82398G	47.65	74.00	-26.35	5.37	3	Vertical	129	1.13	-	42.28	31.00	8.27	33.90

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

06/07/2020

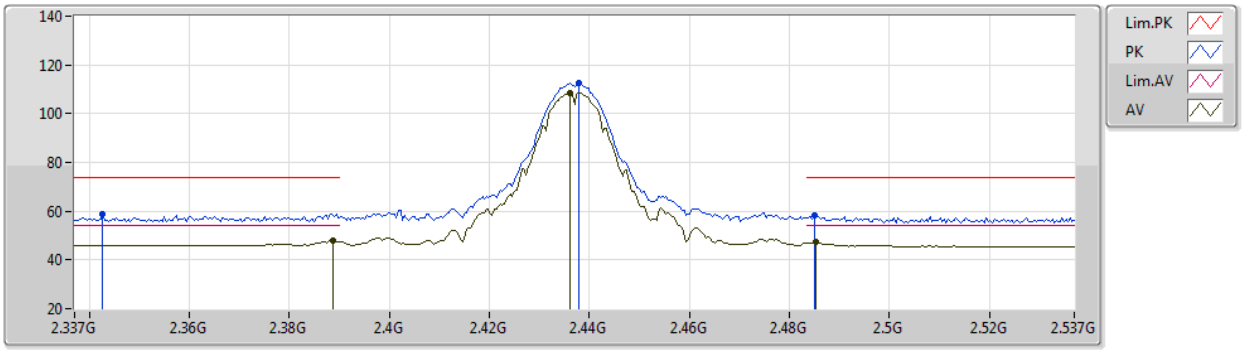


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82397G	35.58	54.00	-18.42	5.37	3	Horizontal	198	1.73	-	30.21	31.00	8.27	33.90
PK	4.82402G	45.77	74.00	-28.23	5.37	3	Horizontal	198	1.73	-	40.40	31.00	8.27	33.90

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/07/2020

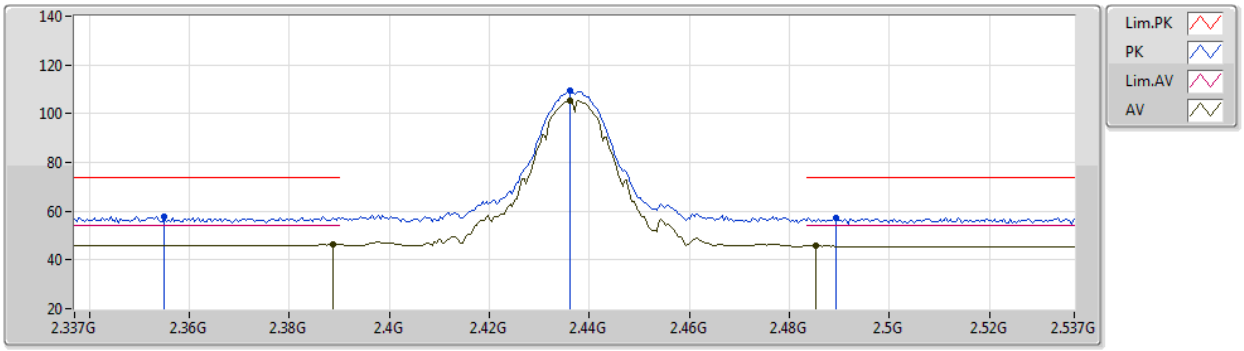


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	47.88	54.00	-6.12	33.57	3	Vertical	112	1.17	-	14.31	27.62	5.95	-
AV	2.4362G	108.66	Inf	-Inf	33.46	3	Vertical	112	1.17	-	75.20	27.46	6.00	-
AV	2.4854G	47.16	54.00	-6.84	33.46	3	Vertical	112	1.17	-	13.70	27.40	6.06	-
PK	2.3426G	58.77	74.00	-15.23	33.65	3	Vertical	112	1.17	-	25.12	27.73	5.92	-
PK	2.4378G	112.47	Inf	-Inf	33.46	3	Vertical	112	1.17	-	79.01	27.45	6.01	-
PK	2.485G	58.02	74.00	-15.98	33.46	3	Vertical	112	1.17	-	24.56	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/07/2020

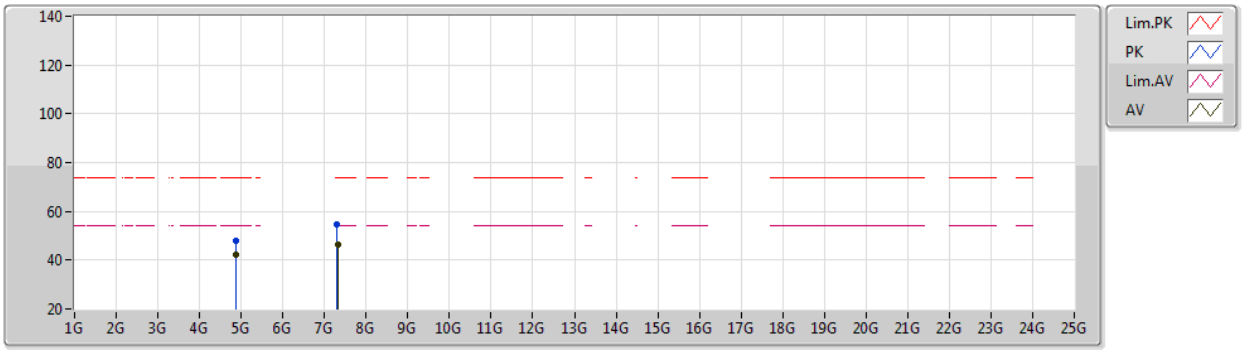


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	46.62	54.00	-7.38	33.57	3	Horizontal	321	1.25	-	13.05	27.62	5.95	-
AV	2.4362G	105.53	Inf	-Inf	33.46	3	Horizontal	321	1.25	-	72.07	27.46	6.00	-
AV	2.4854G	45.90	54.00	-8.10	33.46	3	Horizontal	321	1.25	-	12.44	27.40	6.06	-
PK	2.355G	57.98	74.00	-16.02	33.62	3	Horizontal	321	1.25	-	24.36	27.69	5.93	-
PK	2.4362G	109.23	Inf	-Inf	33.46	3	Horizontal	321	1.25	-	75.77	27.46	6.00	-
PK	2.4894G	57.13	74.00	-16.87	33.47	3	Horizontal	321	1.25	-	23.66	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/07/2020

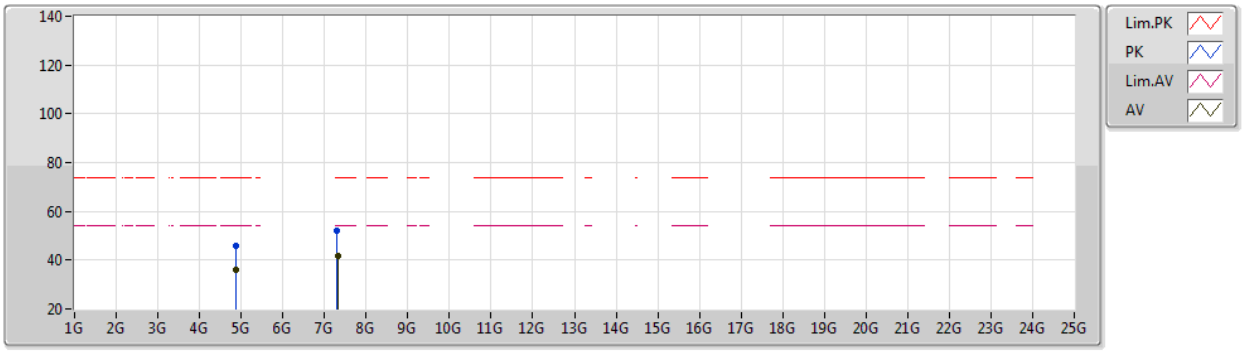


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	41.99	54.00	-12.01	5.48	3	Vertical	133	2.02	-	36.51	31.05	8.30	33.87
AV	7.31028G	46.32	54.00	-7.68	12.28	3	Vertical	138	2.05	-	34.04	36.36	10.03	34.11
PK	4.87414G	48.02	74.00	-25.98	5.48	3	Vertical	133	2.02	-	42.54	31.05	8.30	33.87
PK	7.3101G	54.42	74.00	-19.58	12.28	3	Vertical	138	2.05	-	42.14	36.36	10.03	34.11

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

06/07/2020

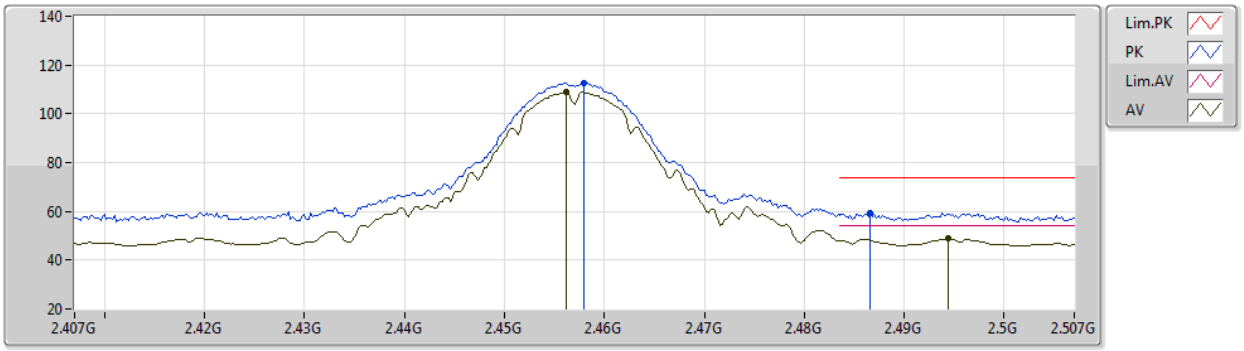


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87398G	36.19	54.00	-17.81	5.48	3	Horizontal	198	1.66	-	30.71	31.05	8.30	33.87
AV	7.31022G	41.55	54.00	-12.45	12.28	3	Horizontal	140	1.37	-	29.27	36.36	10.03	34.11
PK	4.87408G	45.77	74.00	-28.23	5.48	3	Horizontal	198	1.66	-	40.29	31.05	8.30	33.87
PK	7.31004G	52.23	74.00	-21.77	12.28	3	Horizontal	140	1.37	-	39.95	36.36	10.03	34.11

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

06/07/2020

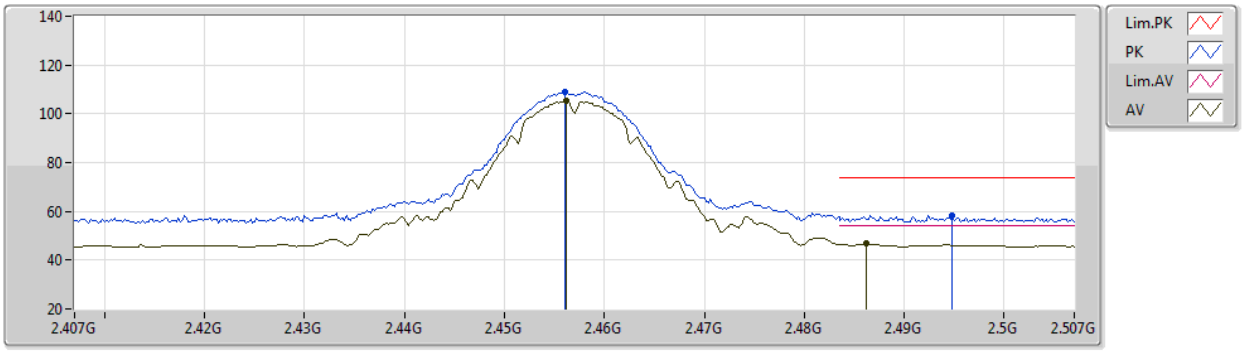


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	108.92	Inf	-Inf	33.43	3	Vertical	113	1.00	-	75.49	27.40	6.03	-
AV	2.4944G	48.87	54.00	-5.13	33.47	3	Vertical	113	1.00	-	15.40	27.40	6.07	-
PK	2.458G	112.74	Inf	-Inf	33.43	3	Vertical	113	1.00	-	79.31	27.40	6.03	-
PK	2.4866G	59.36	74.00	-14.64	33.46	3	Vertical	113	1.00	-	25.90	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

06/07/2020

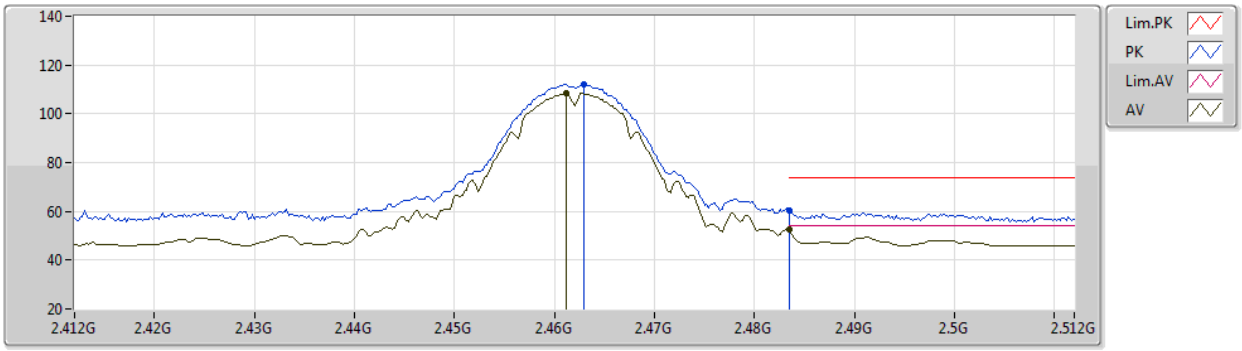


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	105.30	Inf	-Inf	33.43	3	Horizontal	49	2.93	-	71.87	27.40	6.03	-
AV	2.4862G	46.75	54.00	-7.25	33.46	3	Horizontal	49	2.93	-	13.29	27.40	6.06	-
PK	2.456G	109.06	Inf	-Inf	33.43	3	Horizontal	49	2.93	-	75.63	27.40	6.03	-
PK	2.4948G	58.40	74.00	-15.60	33.47	3	Horizontal	49	2.93	-	24.93	27.40	6.07	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/07/2020

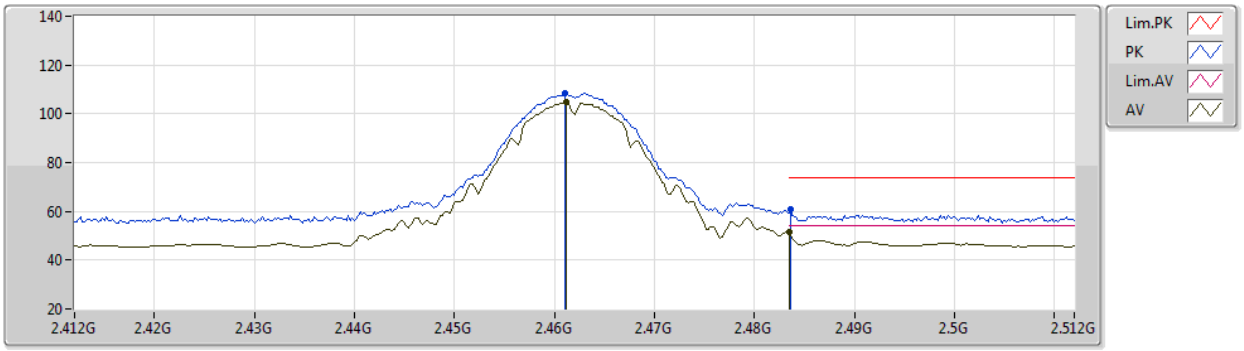


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	108.34	Inf	-Inf	33.43	3	Vertical	112	1.01	-	74.91	27.40	6.03	-
AV	2.4835G	52.48	54.00	-1.52	33.46	3	Vertical	112	1.01	-	19.02	27.40	6.06	-
PK	2.463G	112.24	Inf	-Inf	33.44	3	Vertical	112	1.01	-	78.80	27.40	6.04	-
PK	2.4835G	60.52	74.00	-13.48	33.46	3	Vertical	112	1.01	-	27.06	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/07/2020

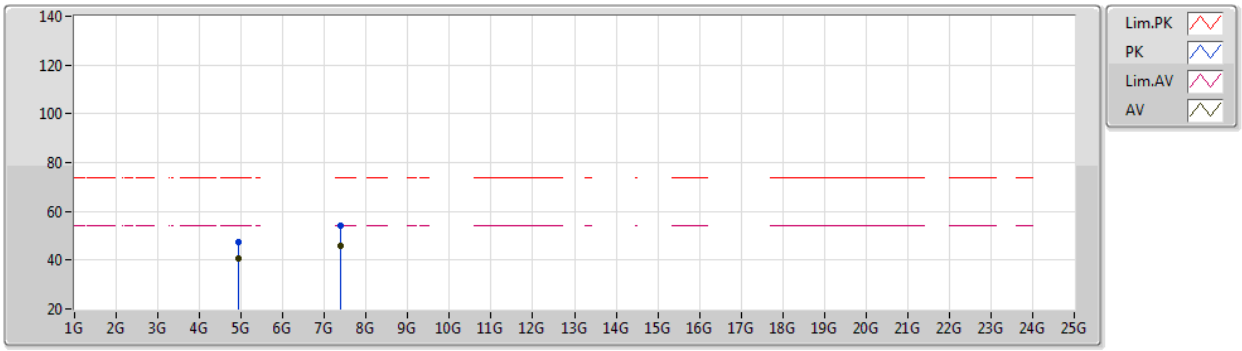


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	104.59	Inf	-Inf	33.43	3	Horizontal	55	1.50	-	71.16	27.40	6.03	-
AV	2.4835G	51.34	54.00	-2.66	33.46	3	Horizontal	55	1.50	-	17.88	27.40	6.06	-
PK	2.461G	108.29	Inf	-Inf	33.43	3	Horizontal	55	1.50	-	74.86	27.40	6.03	-
PK	2.4836G	60.77	74.00	-13.23	33.46	3	Horizontal	55	1.50	-	27.31	27.40	6.06	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/07/2020

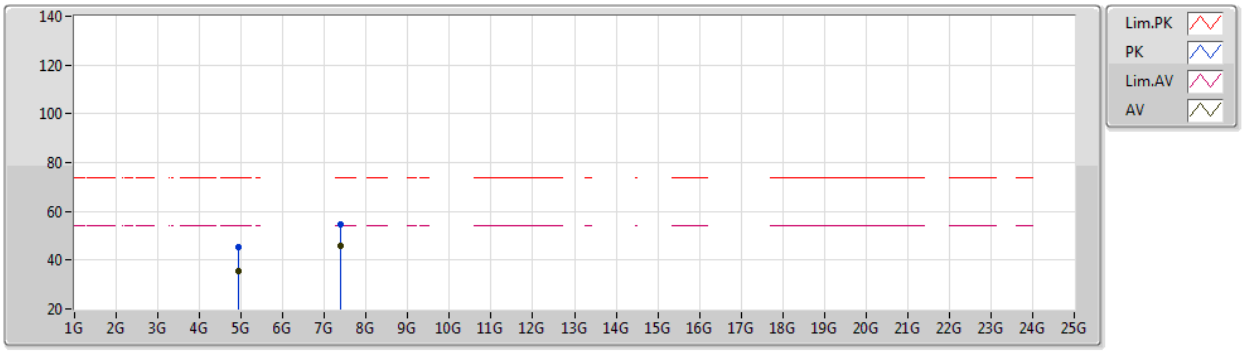


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92398G	40.92	54.00	-13.08	5.58	3	Vertical	132	2.09	-	35.34	31.10	8.33	33.85
AV	7.38528G	46.06	54.00	-7.94	12.07	3	Vertical	139	1.99	-	33.99	36.13	10.05	34.11
PK	4.92403G	47.64	74.00	-26.36	5.58	3	Vertical	132	2.09	-	42.06	31.10	8.33	33.85
PK	7.38714G	54.32	74.00	-19.68	12.07	3	Vertical	139	1.99	-	42.25	36.13	10.05	34.11

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

06/07/2020

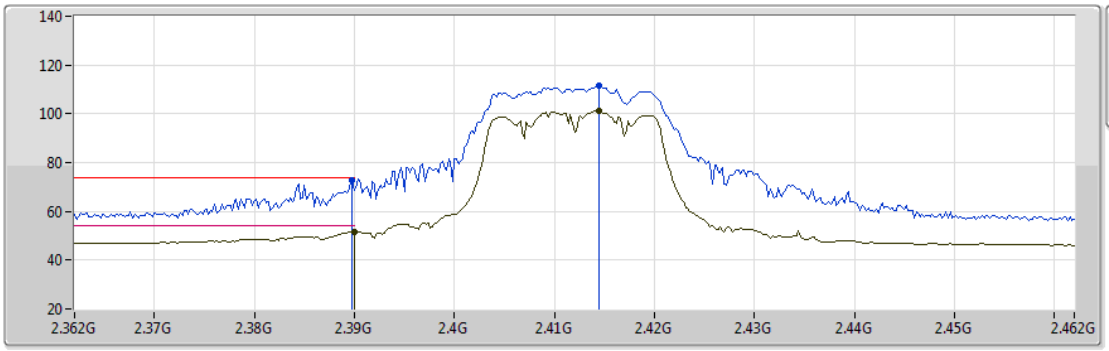


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92396G	35.51	54.00	-18.49	5.58	3	Horizontal	46	1.49	-	29.93	31.10	8.33	33.85
AV	7.38528G	45.98	54.00	-8.02	12.07	3	Horizontal	313	2.13	-	33.91	36.13	10.05	34.11
PK	4.92398G	45.16	74.00	-28.84	5.58	3	Horizontal	46	1.49	-	39.58	31.10	8.33	33.85
PK	7.38648G	54.56	74.00	-19.44	12.07	3	Horizontal	313	2.13	-	42.49	36.13	10.05	34.11

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/07/2020

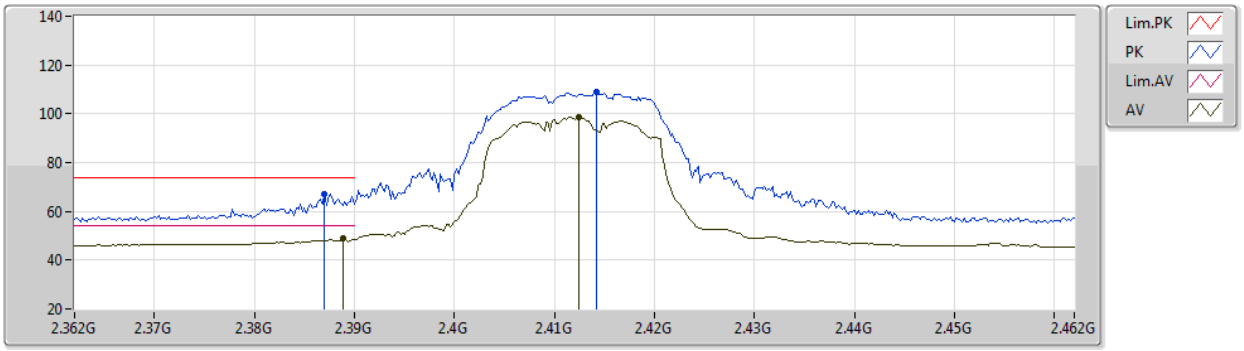


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.74	54.00	-2.26	33.57	3	Vertical	118	1.33	-	18.17	27.62	5.95	-
AV	2.4144G	101.23	Inf	-Inf	33.52	3	Vertical	118	1.33	-	67.71	27.54	5.98	-
PK	2.3898G	72.69	74.00	-1.31	33.57	3	Vertical	118	1.33	-	39.12	27.62	5.95	-
PK	2.4144G	111.44	Inf	-Inf	33.52	3	Vertical	118	1.33	-	77.92	27.54	5.98	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/07/2020

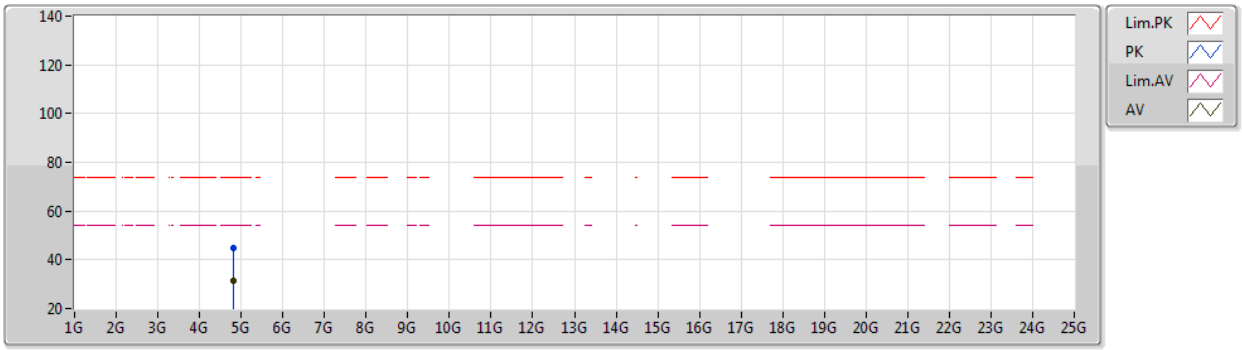


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3888G	48.73	54.00	-5.27	33.57	3	Horizontal	38	2.73	-	15.16	27.62	5.95	-
AV	2.4124G	98.67	Inf	-Inf	33.52	3	Horizontal	38	2.73	-	65.15	27.55	5.97	-
PK	2.387G	67.18	74.00	-6.82	33.58	3	Horizontal	38	2.73	-	33.60	27.63	5.95	-
PK	2.4142G	108.78	Inf	-Inf	33.52	3	Horizontal	38	2.73	-	75.26	27.54	5.98	-

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/07/2020

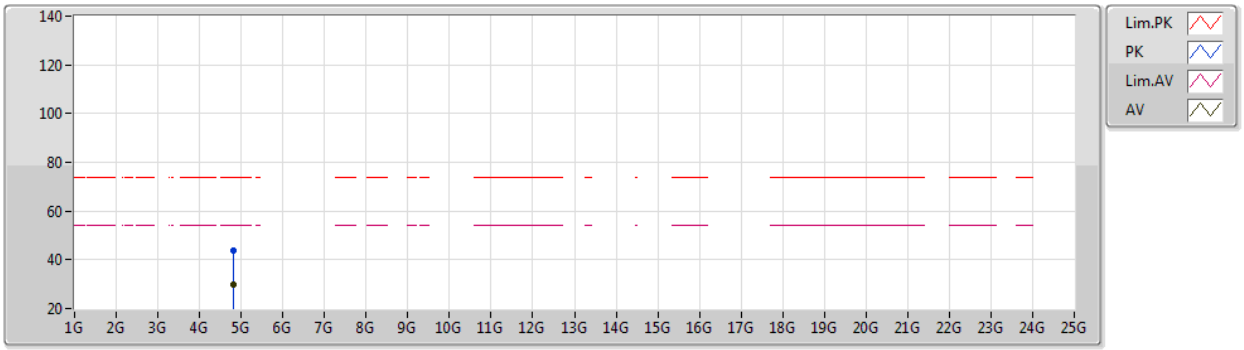


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8237G	31.54	54.00	-22.46	5.36	3	Vertical	114	2.92	-	26.18	30.99	8.27	33.90
PK	4.82442G	44.88	74.00	-29.12	5.37	3	Vertical	114	2.92	-	39.51	31.00	8.27	33.90

802.11g_Nss1,(6Mbps)_2TX

2412MHz_TX

06/07/2020

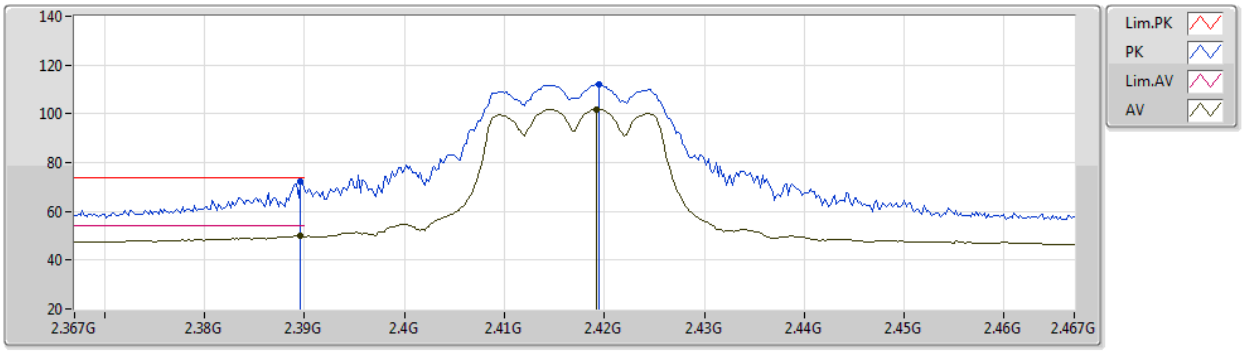


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8282G	29.93	54.00	-24.07	5.38	3	Horizontal	0	1.46	-	24.55	31.01	8.27	33.90
PK	4.81506G	43.90	74.00	-30.10	5.32	3	Horizontal	0	1.46	-	38.58	30.96	8.26	33.90

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

06/07/2020

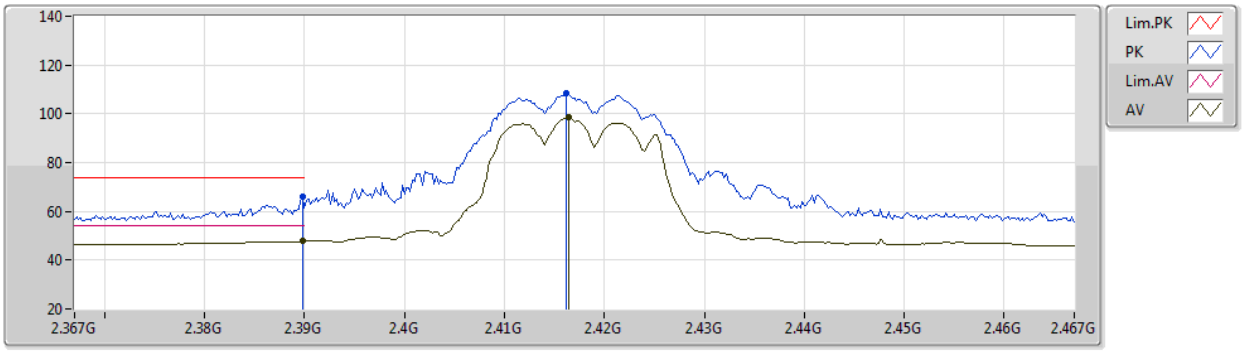


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	49.95	54.00	-4.05	33.57	3	Vertical	118	1.35	-	16.38	27.62	5.95	-
AV	2.4192G	101.92	Inf	-Inf	33.50	3	Vertical	118	1.35	-	68.42	27.52	5.98	-
PK	2.3896G	72.45	74.00	-1.55	33.57	3	Vertical	118	1.35	-	38.88	27.62	5.95	-
PK	2.4194G	112.17	Inf	-Inf	33.50	3	Vertical	118	1.35	-	78.67	27.52	5.98	-

802.11g_Nss1,(6Mbps)_2TX

2417MHz_TX

06/07/2020

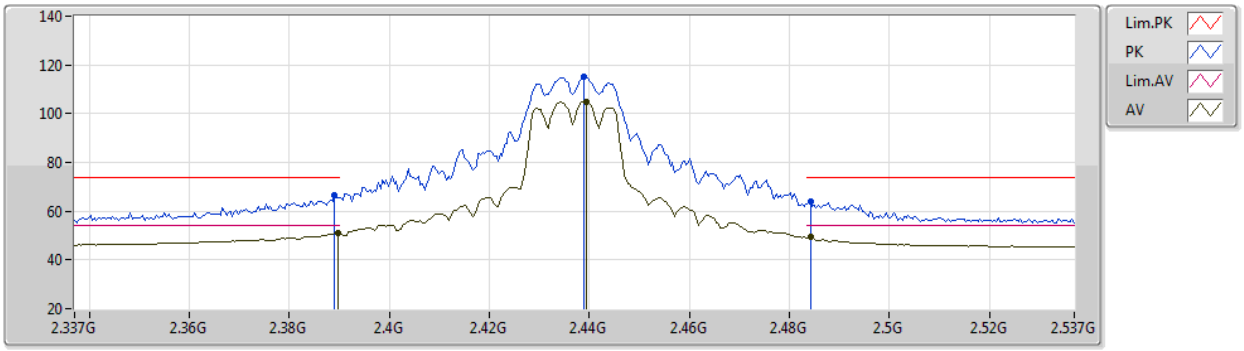


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.82	54.00	-6.18	33.57	3	Horizontal	45	1.49	-	14.25	27.62	5.95	-
AV	2.4164G	98.49	Inf	-Inf	33.51	3	Horizontal	45	1.49	-	64.98	27.53	5.98	-
PK	2.3898G	66.23	74.00	-7.77	33.57	3	Horizontal	45	1.49	-	32.66	27.62	5.95	-
PK	2.4162G	108.22	Inf	-Inf	33.52	3	Horizontal	45	1.49	-	74.70	27.54	5.98	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

06/07/2020

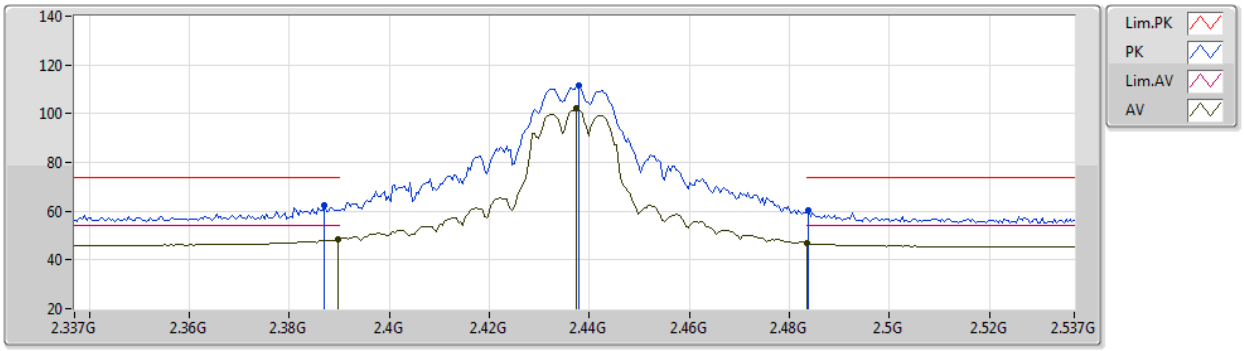


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	51.23	54.00	-2.77	33.57	3	Vertical	116	1.12	-	17.66	27.62	5.95	-
AV	2.4394G	105.02	Inf	-Inf	33.45	3	Vertical	116	1.12	-	71.57	27.44	6.01	-
AV	2.4842G	49.23	54.00	-4.77	33.46	3	Vertical	116	1.12	-	15.77	27.40	6.06	-
PK	2.389G	66.73	74.00	-7.27	33.57	3	Vertical	116	1.12	-	33.16	27.62	5.95	-
PK	2.439G	115.24	Inf	-Inf	33.45	3	Vertical	116	1.12	-	81.79	27.44	6.01	-
PK	2.4842G	63.79	74.00	-10.21	33.46	3	Vertical	116	1.12	-	30.33	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

06/07/2020

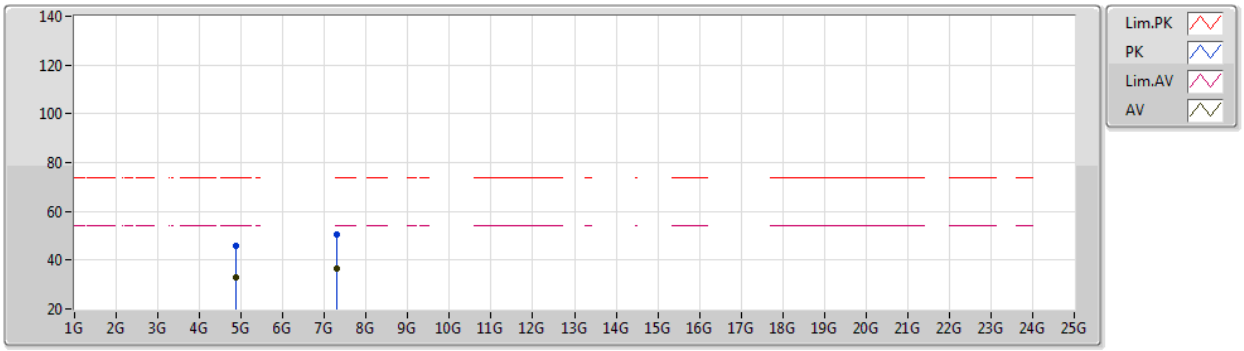


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	48.45	54.00	-5.55	33.57	3	Horizontal	319	1.28	-	14.88	27.62	5.95	-
AV	2.4374G	101.99	Inf	-Inf	33.45	3	Horizontal	319	1.28	-	68.54	27.45	6.00	-
AV	2.4835G	46.81	54.00	-7.19	33.46	3	Horizontal	319	1.28	-	13.35	27.40	6.06	-
PK	2.387G	62.35	74.00	-11.65	33.58	3	Horizontal	319	1.28	-	28.77	27.63	5.95	-
PK	2.4378G	111.51	Inf	-Inf	33.46	3	Horizontal	319	1.28	-	78.05	27.45	6.01	-
PK	2.4838G	60.40	74.00	-13.60	33.46	3	Horizontal	319	1.28	-	26.94	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

06/07/2020

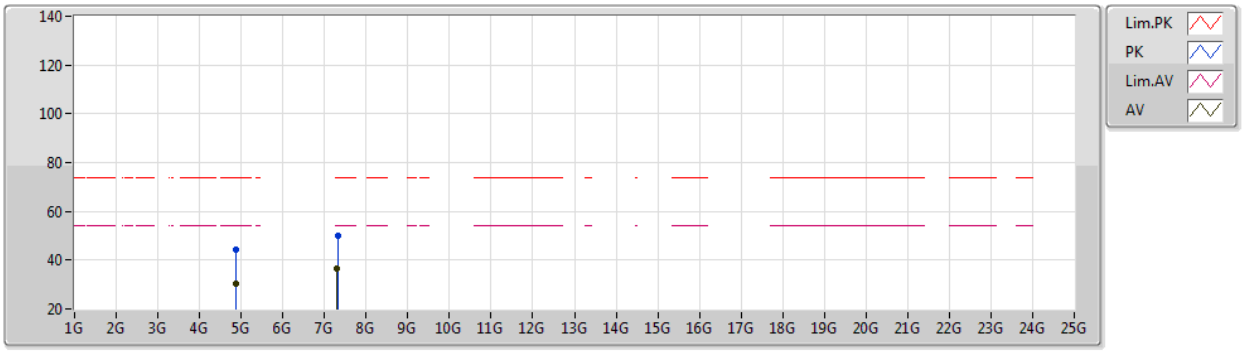


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87664G	33.06	54.00	-20.94	5.48	3	Vertical	121	1.00	-	27.58	31.05	8.30	33.87
AV	7.30644G	36.64	54.00	-17.36	12.29	3	Vertical	287	1.49	-	24.35	36.37	10.03	34.11
PK	4.87646G	46.07	74.00	-27.93	5.48	3	Vertical	121	1.00	-	40.59	31.05	8.30	33.87
PK	7.30944G	50.52	74.00	-23.48	12.28	3	Vertical	287	1.49	-	38.24	36.36	10.03	34.11

802.11g_Nss1,(6Mbps)_2TX

2437MHz_TX

06/07/2020

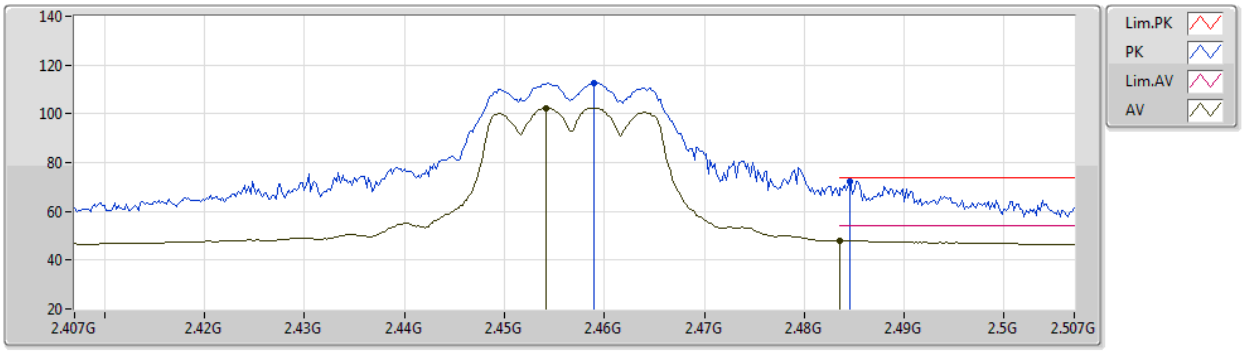


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87532G	30.34	54.00	-23.66	5.48	3	Horizontal	210	3.00	-	24.86	31.05	8.30	33.87
AV	7.30206G	36.56	54.00	-17.44	12.31	3	Horizontal	357	1.48	-	24.25	36.39	10.03	34.11
PK	4.88102G	44.39	74.00	-29.61	5.47	3	Horizontal	210	3.00	-	38.92	31.04	8.30	33.87
PK	7.31028G	50.11	74.00	-23.89	12.28	3	Horizontal	357	1.48	-	37.83	36.36	10.03	34.11

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

06/07/2020

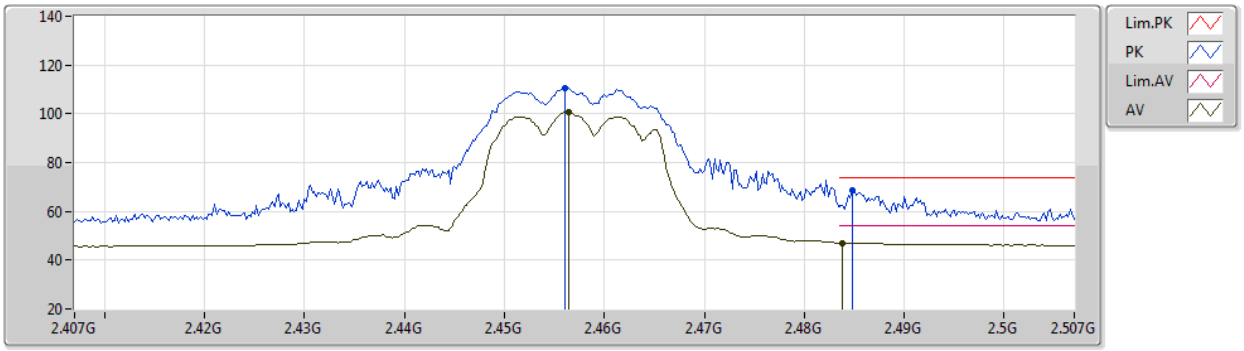


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4542G	102.42	Inf	-Inf	33.43	3	Vertical	118	1.36	-	68.99	27.40	6.03	-
AV	2.4835G	48.13	54.00	-5.87	33.46	3	Vertical	118	1.36	-	14.67	27.40	6.06	-
PK	2.459G	112.63	Inf	-Inf	33.43	3	Vertical	118	1.36	-	79.20	27.40	6.03	-
PK	2.4846G	72.29	74.00	-1.71	33.46	3	Vertical	118	1.36	-	38.83	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2457MHz_TX

06/07/2020

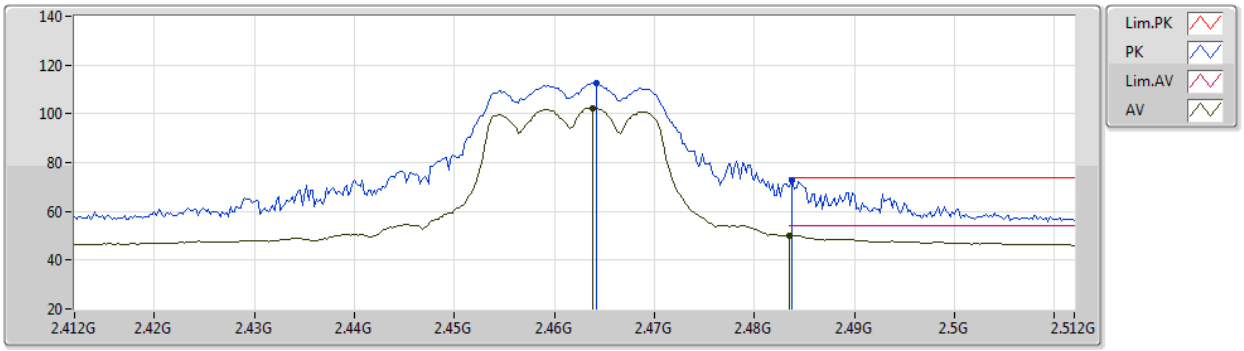


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4564G	100.86	Inf	-Inf	33.43	3	Horizontal	51	2.90	-	67.43	27.40	6.03	-
AV	2.4838G	47.05	54.00	-6.95	33.46	3	Horizontal	51	2.90	-	13.59	27.40	6.06	-
PK	2.456G	110.66	Inf	-Inf	33.43	3	Horizontal	51	2.90	-	77.23	27.40	6.03	-
PK	2.4848G	68.81	74.00	-5.19	33.46	3	Horizontal	51	2.90	-	35.35	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

06/07/2020

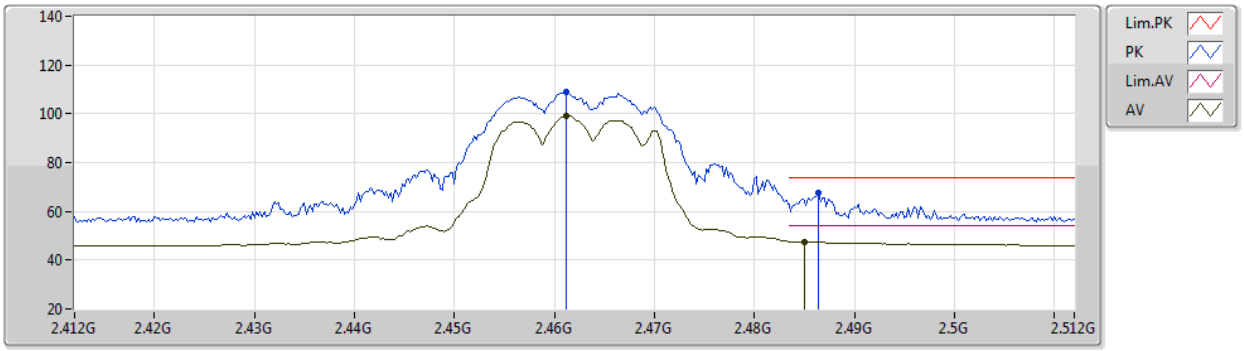


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4638G	102.49	Inf	-Inf	33.44	3	Vertical	117	1.00	-	69.05	27.40	6.04	-
AV	2.4835G	49.99	54.00	-4.01	33.46	3	Vertical	117	1.00	-	16.53	27.40	6.06	-
PK	2.4642G	112.46	Inf	-Inf	33.44	3	Vertical	117	1.00	-	79.02	27.40	6.04	-
PK	2.4838G	72.69	74.00	-1.31	33.46	3	Vertical	117	1.00	-	39.23	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

06/07/2020

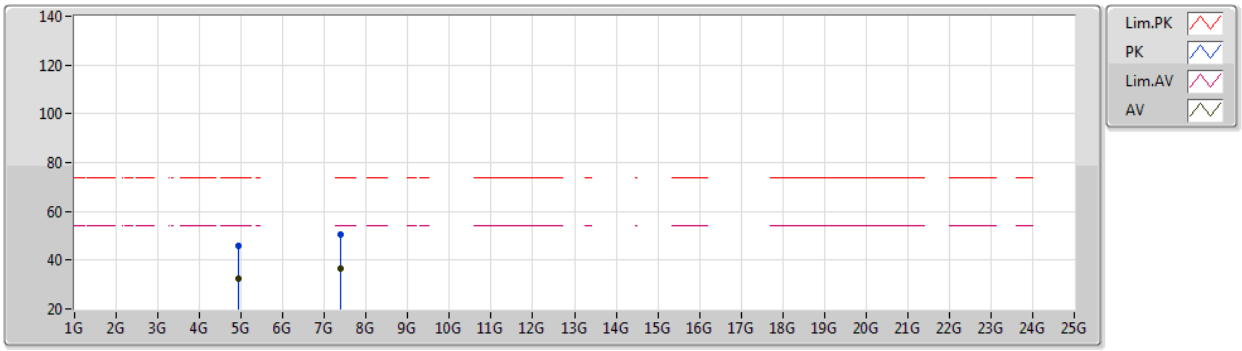


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	99.10	Inf	-Inf	33.43	3	Horizontal	58	2.90	-	65.67	27.40	6.03	-
AV	2.485G	47.63	54.00	-6.37	33.46	3	Horizontal	58	2.90	-	14.17	27.40	6.06	-
PK	2.4612G	108.74	Inf	-Inf	33.43	3	Horizontal	58	2.90	-	75.31	27.40	6.03	-
PK	2.4864G	67.50	74.00	-6.50	33.46	3	Horizontal	58	2.90	-	34.04	27.40	6.06	-

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

06/07/2020

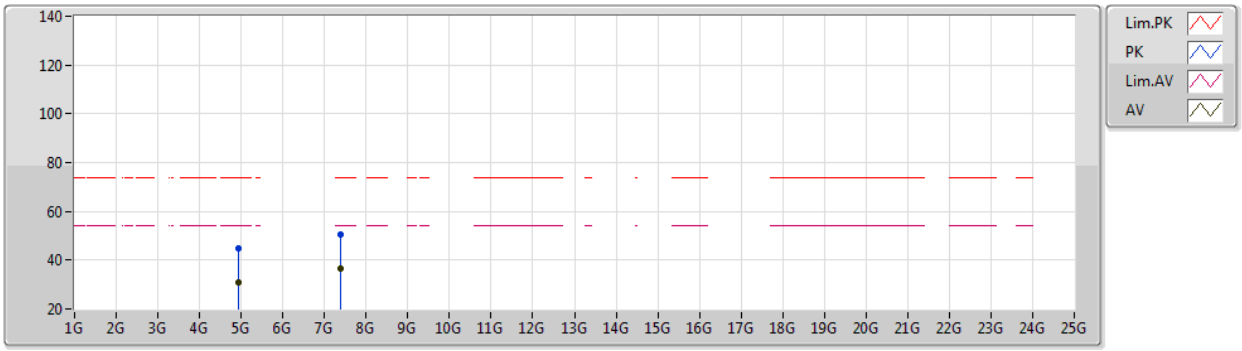


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92742G	32.41	54.00	-21.59	5.60	3	Vertical	108	1.98	-	26.81	31.11	8.33	33.84
AV	7.37502G	36.61	54.00	-17.39	12.09	3	Vertical	333	1.31	-	24.52	36.15	10.05	34.11
PK	4.9225G	45.88	74.00	-28.12	5.57	3	Vertical	108	1.98	-	40.31	31.09	8.33	33.85
PK	7.3749G	50.29	74.00	-23.71	12.08	3	Vertical	333	1.31	-	38.21	36.15	10.04	34.11

802.11g_Nss1,(6Mbps)_2TX

2462MHz_TX

06/07/2020

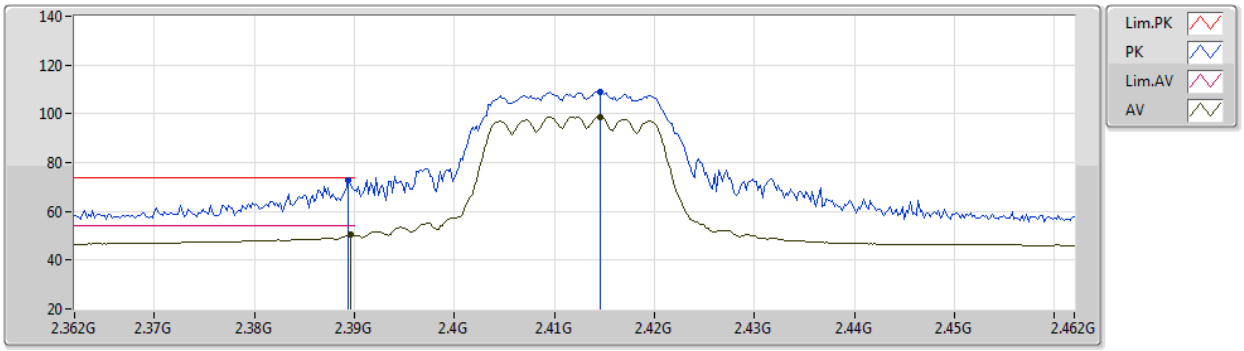


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9264G	30.94	54.00	-23.06	5.60	3	Horizontal	111	2.29	-	25.34	31.11	8.33	33.84
AV	7.37538G	36.63	54.00	-17.37	12.09	3	Horizontal	344	2.34	-	24.54	36.15	10.05	34.11
PK	4.93054G	44.68	74.00	-29.32	5.61	3	Horizontal	111	2.29	-	39.07	31.12	8.33	33.84
PK	7.37916G	50.60	74.00	-23.40	12.08	3	Horizontal	344	2.34	-	38.52	36.14	10.05	34.11

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

06/07/2020

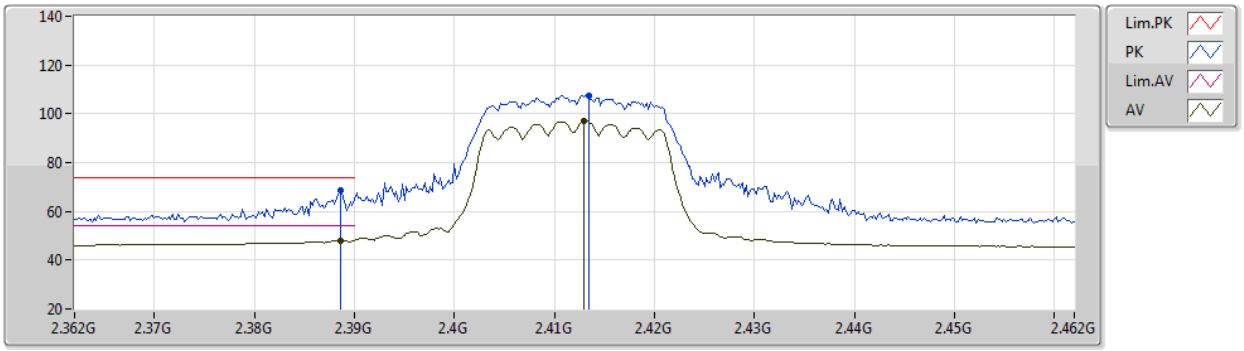


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	50.29	54.00	-3.71	33.57	3	Vertical	119	1.34	-	16.72	27.62	5.95	-
AV	2.4146G	98.77	Inf	-Inf	33.52	3	Vertical	119	1.34	-	65.25	27.54	5.98	-
PK	2.3894G	72.81	74.00	-1.19	33.57	3	Vertical	119	1.34	-	39.24	27.62	5.95	-
PK	2.4146G	108.95	Inf	-Inf	33.52	3	Vertical	119	1.34	-	75.43	27.54	5.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

06/07/2020

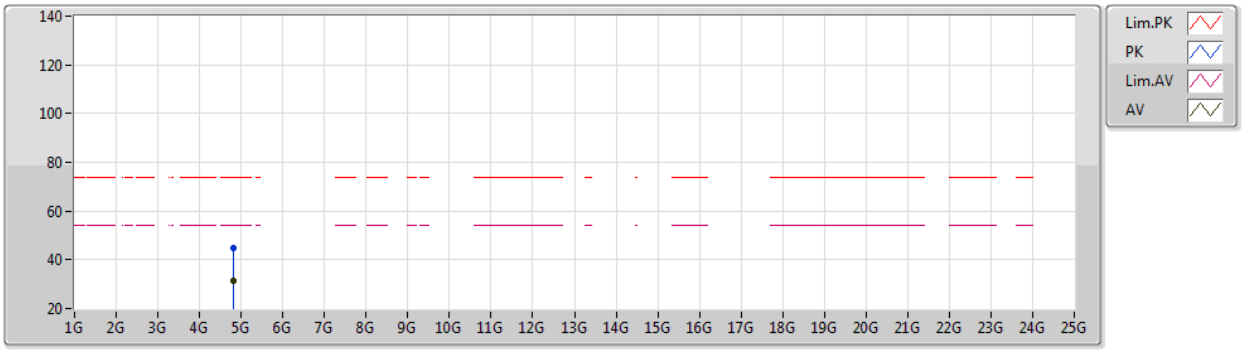


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	48.14	54.00	-5.86	33.57	3	Horizontal	42	2.74	-	14.57	27.62	5.95	-
AV	2.413G	96.92	Inf	-Inf	33.53	3	Horizontal	42	2.74	-	63.39	27.55	5.98	-
PK	2.3886G	68.61	74.00	-5.39	33.57	3	Horizontal	42	2.74	-	35.04	27.62	5.95	-
PK	2.4134G	107.63	Inf	-Inf	33.53	3	Horizontal	42	2.74	-	74.10	27.55	5.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

06/07/2020

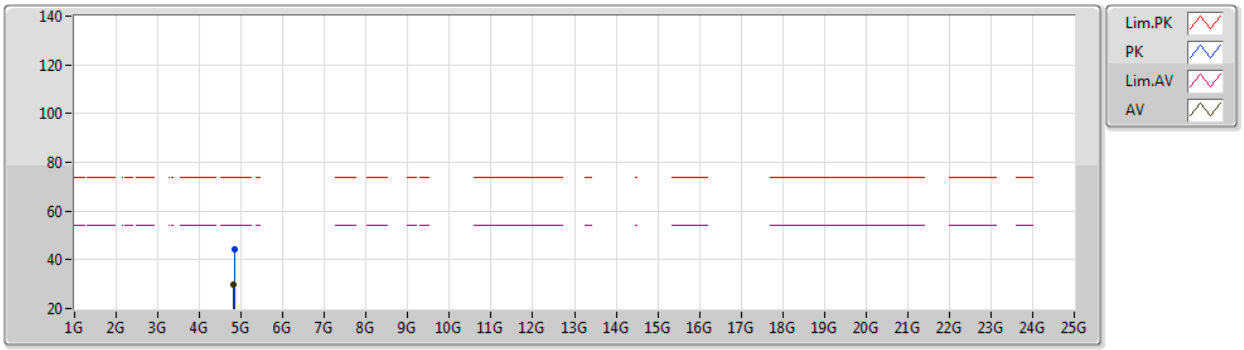


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82544G	31.24	54.00	-22.76	5.37	3	Vertical	121	1.06	-	25.87	31.00	8.27	33.90
PK	4.8279G	44.89	74.00	-29.11	5.38	3	Vertical	121	1.06	-	39.51	31.01	8.27	33.90

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

06/07/2020

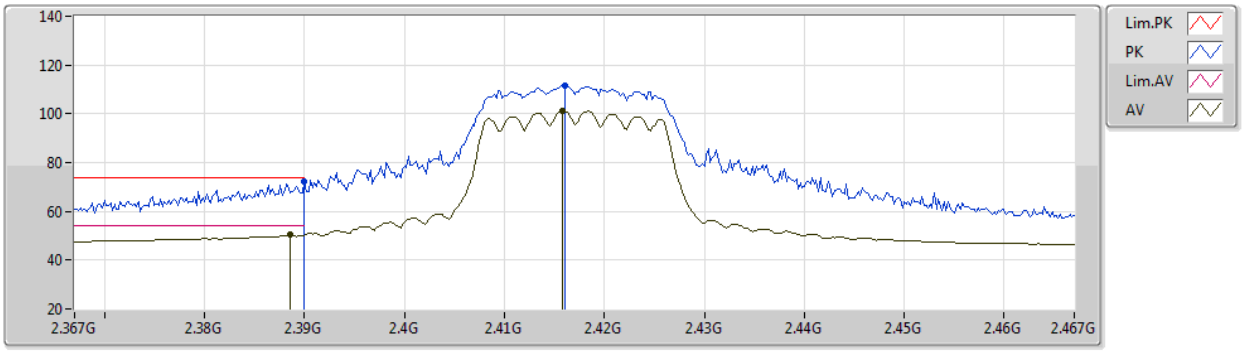


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8264G	29.97	54.00	-24.03	5.38	3	Horizontal	132	1.13	-	24.59	31.01	8.27	33.90
PK	4.83846G	44.41	74.00	-29.59	5.43	3	Horizontal	132	1.13	-	38.98	31.05	8.27	33.89

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

06/07/2020

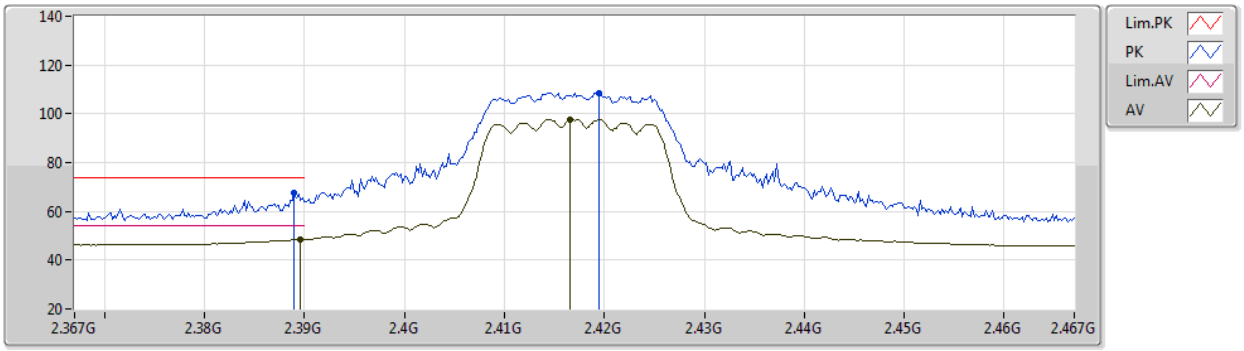


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	50.36	54.00	-3.64	33.57	3	Vertical	121	1.85	-	16.79	27.62	5.95	-
AV	2.4158G	101.39	Inf	-Inf	33.52	3	Vertical	121	1.85	-	67.87	27.54	5.98	-
PK	2.39G	72.37	74.00	-1.63	33.57	3	Vertical	121	1.85	-	38.80	27.62	5.95	-
PK	2.416G	111.55	Inf	-Inf	33.52	3	Vertical	121	1.85	-	78.03	27.54	5.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2417MHz_TX

06/07/2020

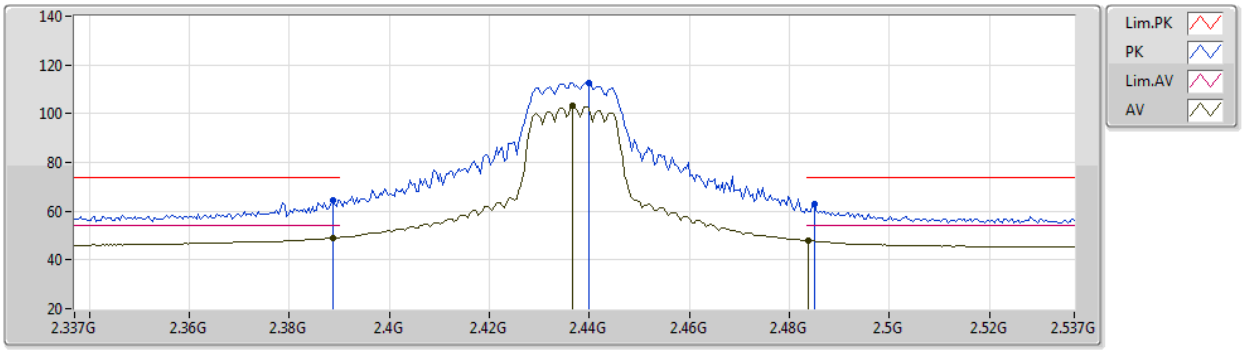


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	48.60	54.00	-5.40	33.57	3	Horizontal	46	3.00	-	15.03	27.62	5.95	-
AV	2.4166G	97.84	Inf	-Inf	33.51	3	Horizontal	46	3.00	-	64.33	27.53	5.98	-
PK	2.389G	67.71	74.00	-6.29	33.57	3	Horizontal	46	3.00	-	34.14	27.62	5.95	-
PK	2.4194G	108.70	Inf	-Inf	33.50	3	Horizontal	46	3.00	-	75.20	27.52	5.98	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

06/07/2020

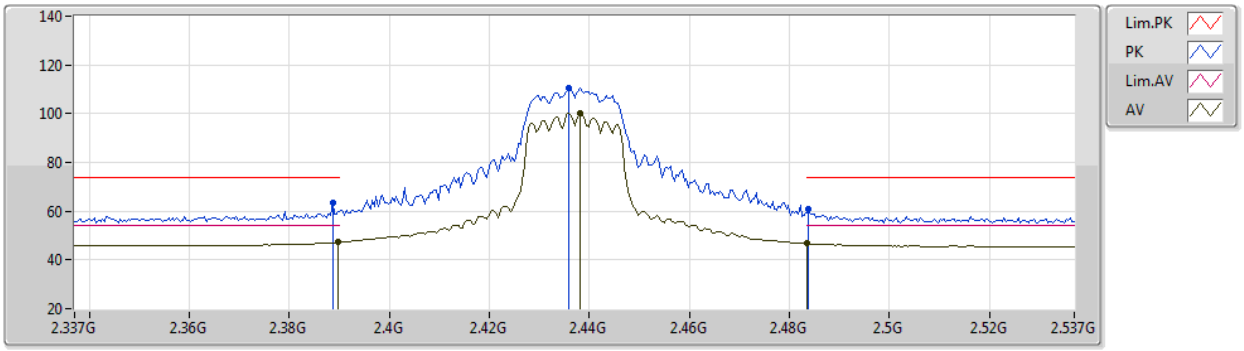


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	49.08	54.00	-4.92	33.57	3	Vertical	115	1.13	-	15.51	27.62	5.95	-
AV	2.4366G	103.08	Inf	-Inf	33.45	3	Vertical	115	1.13	-	69.63	27.45	6.00	-
AV	2.4838G	47.88	54.00	-6.12	33.46	3	Vertical	115	1.13	-	14.42	27.40	6.06	-
PK	2.3886G	64.36	74.00	-9.64	33.57	3	Vertical	115	1.13	-	30.79	27.62	5.95	-
PK	2.4398G	112.82	Inf	-Inf	33.45	3	Vertical	115	1.13	-	79.37	27.44	6.01	-
PK	2.485G	62.84	74.00	-11.16	33.46	3	Vertical	115	1.13	-	29.38	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

06/07/2020

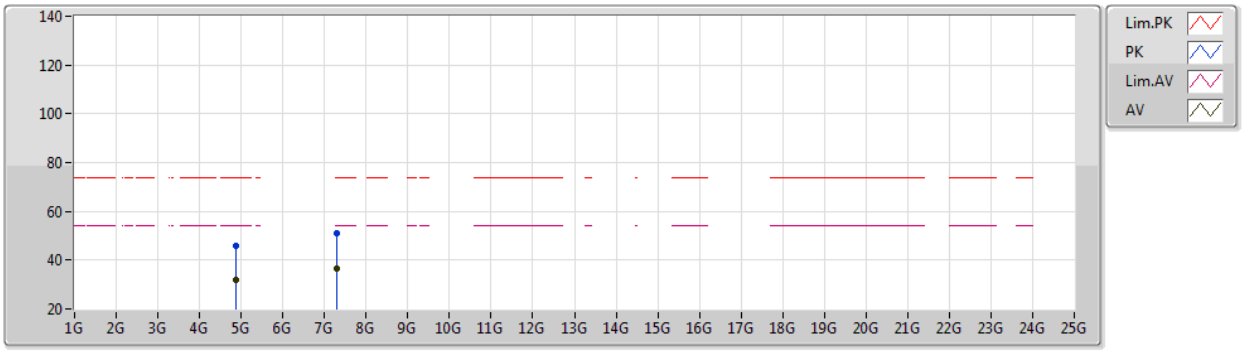


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.41	54.00	-6.59	33.57	3	Horizontal	314	1.30	-	13.84	27.62	5.95	-
AV	2.4382G	99.99	Inf	-Inf	33.46	3	Horizontal	314	1.30	-	66.53	27.45	6.01	-
AV	2.4835G	46.85	54.00	-7.15	33.46	3	Horizontal	314	1.30	-	13.39	27.40	6.06	-
PK	2.3886G	63.19	74.00	-10.81	33.57	3	Horizontal	314	1.30	-	29.62	27.62	5.95	-
PK	2.4358G	110.52	Inf	-Inf	33.46	3	Horizontal	314	1.30	-	77.06	27.46	6.00	-
PK	2.4838G	60.79	74.00	-13.21	33.46	3	Horizontal	314	1.30	-	27.33	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

06/07/2020

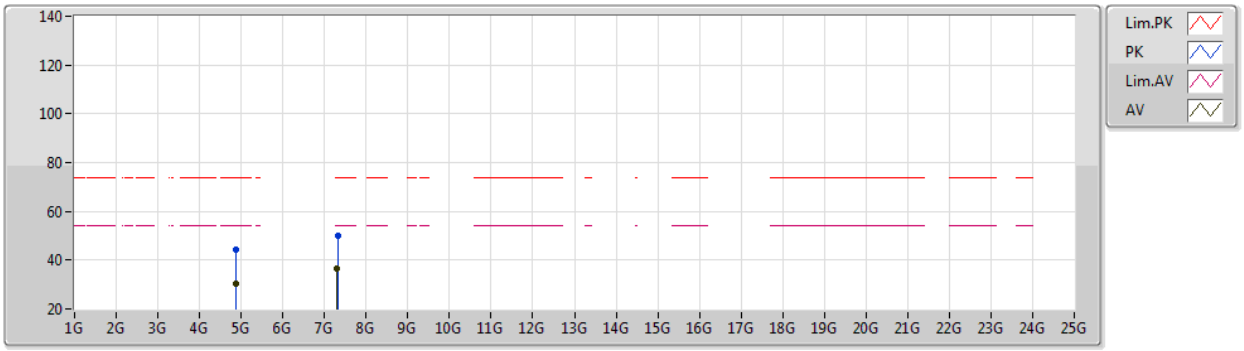


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8731G	32.09	54.00	-21.91	5.48	3	Vertical	102	2.01	-	26.61	31.05	8.30	33.87
AV	7.30266G	36.59	54.00	-17.41	12.31	3	Vertical	293	1.49	-	24.28	36.39	10.03	34.11
PK	4.87844G	45.67	74.00	-28.33	5.47	3	Vertical	102	2.01	-	40.20	31.04	8.30	33.87
PK	7.30182G	50.82	74.00	-23.18	12.31	3	Vertical	293	1.49	-	38.51	36.39	10.03	34.11

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

06/07/2020

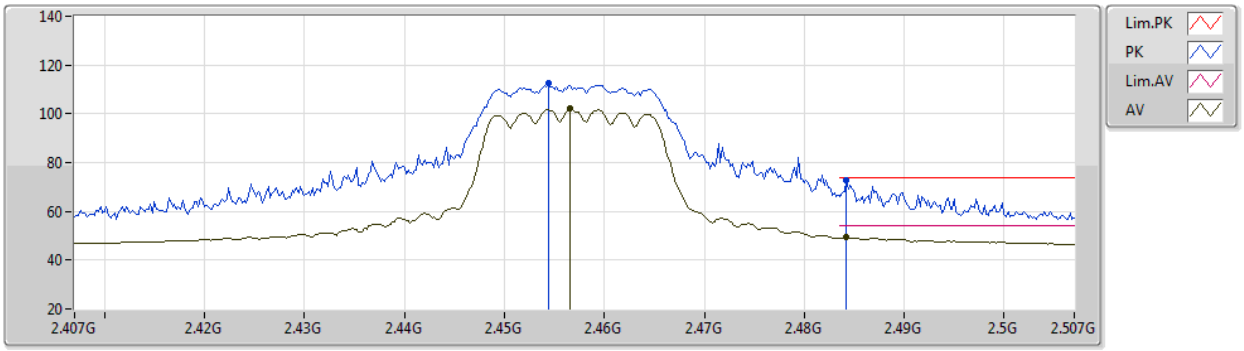


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87334G	30.27	54.00	-23.73	5.48	3	Horizontal	197	1.47	-	24.79	31.05	8.30	33.87
AV	7.30572G	36.51	54.00	-17.49	12.30	3	Horizontal	169	1.23	-	24.21	36.38	10.03	34.11
PK	4.86254G	44.17	74.00	-29.83	5.48	3	Horizontal	197	1.47	-	38.69	31.07	8.29	33.88
PK	7.32234G	50.03	74.00	-23.97	12.23	3	Horizontal	169	1.23	-	37.80	36.31	10.03	34.11

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

06/07/2020

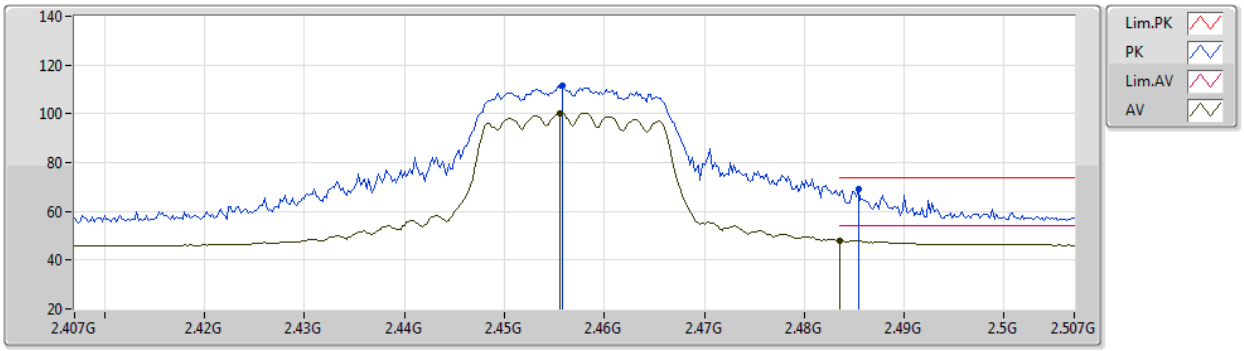


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4566G	102.02	Inf	-Inf	33.43	3	Vertical	120	1.35	-	68.59	27.40	6.03	-
AV	2.4842G	49.42	54.00	-4.58	33.46	3	Vertical	120	1.35	-	15.96	27.40	6.06	-
PK	2.4544G	112.34	Inf	-Inf	33.43	3	Vertical	120	1.35	-	78.91	27.40	6.03	-
PK	2.4842G	72.62	74.00	-1.38	33.46	3	Vertical	120	1.35	-	39.16	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2457MHz_TX

06/07/2020

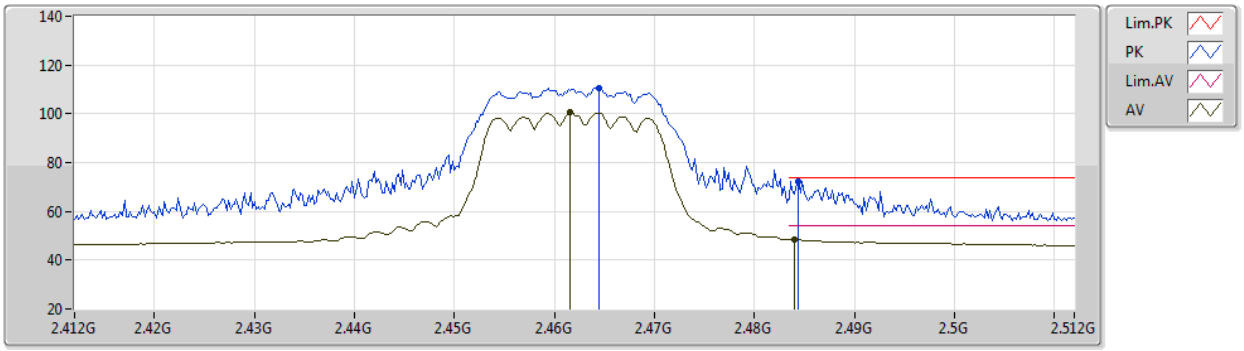


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4556G	100.27	Inf	-Inf	33.43	3	Horizontal	49	2.90	-	66.84	27.40	6.03	-
AV	2.4835G	48.14	54.00	-5.86	33.46	3	Horizontal	49	2.90	-	14.68	27.40	6.06	-
PK	2.4558G	111.44	Inf	-Inf	33.43	3	Horizontal	49	2.90	-	78.01	27.40	6.03	-
PK	2.4854G	69.21	74.00	-4.79	33.46	3	Horizontal	49	2.90	-	35.75	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

06/07/2020

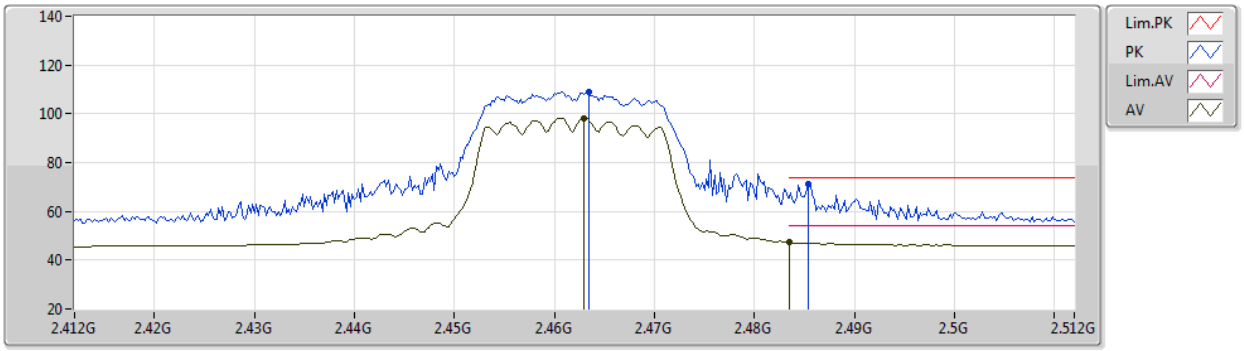


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4616G	100.61	Inf	-Inf	33.43	3	Vertical	119	1.37	-	67.18	27.40	6.03	-
AV	2.484G	48.54	54.00	-5.46	33.46	3	Vertical	119	1.37	-	15.08	27.40	6.06	-
PK	2.4644G	110.47	Inf	-Inf	33.44	3	Vertical	119	1.37	-	77.03	27.40	6.04	-
PK	2.4844G	72.48	74.00	-1.52	33.46	3	Vertical	119	1.37	-	39.02	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

06/07/2020

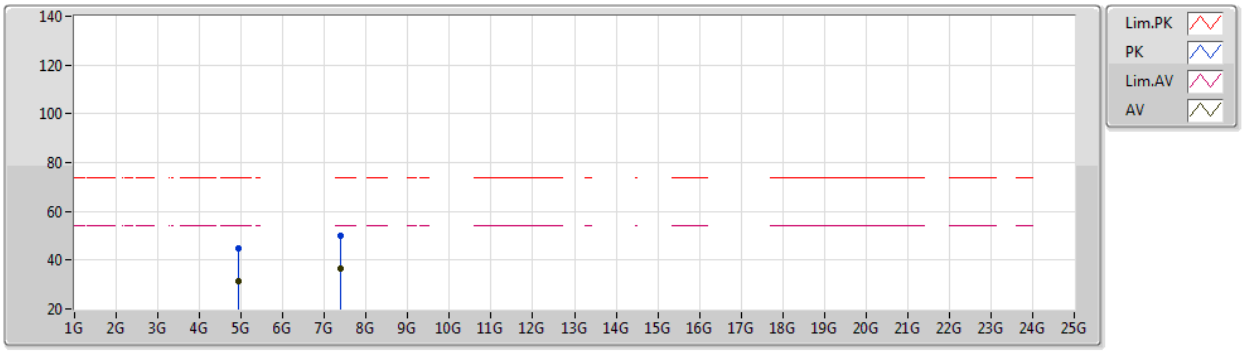


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.463G	98.24	Inf	-Inf	33.44	3	Horizontal	49	2.91	-	64.80	27.40	6.04	-
AV	2.4835G	47.47	54.00	-6.53	33.46	3	Horizontal	49	2.91	-	14.01	27.40	6.06	-
PK	2.4634G	109.18	Inf	-Inf	33.44	3	Horizontal	49	2.91	-	75.74	27.40	6.04	-
PK	2.4854G	71.26	74.00	-2.74	33.46	3	Horizontal	49	2.91	-	37.80	27.40	6.06	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

06/07/2020

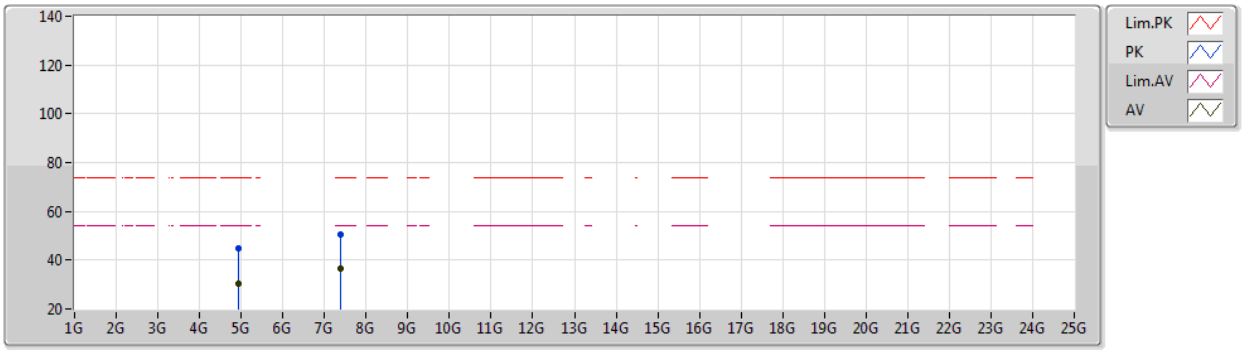


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92322G	31.31	54.00	-22.69	5.57	3	Vertical	142	1.50	-	25.74	31.09	8.33	33.85
AV	7.37508G	36.61	54.00	-17.39	12.09	3	Vertical	243	2.48	-	24.52	36.15	10.05	34.11
PK	4.92868G	44.71	74.00	-29.29	5.60	3	Vertical	142	1.50	-	39.11	31.11	8.33	33.84
PK	7.39416G	50.15	74.00	-23.85	12.05	3	Vertical	243	2.48	-	38.10	36.11	10.05	34.11

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

06/07/2020



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	4.92496G	30.58	54.00	-23.42	5.58	3	Horizontal	51	1.11	-	25.00	31.10	8.33	33.85
AV	7.37688G	36.61	54.00	-17.39	12.09	3	Horizontal	165	1.84	-	24.52	36.15	10.05	34.11
PK	4.93852G	44.80	74.00	-29.20	5.65	3	Horizontal	51	1.11	-	39.15	31.15	8.34	33.84
PK	7.38642G	50.43	74.00	-23.57	12.07	3	Horizontal	165	1.84	-	38.36	36.13	10.05	34.11