FCC Test Report

FCC ID	:	**VYVRW10BX-37P**
Equipment	:	**Wi-Fi Module**
Brand Name	:	**ITON**
Model Name	:	**RW10BX-37P**
Applicant	:	**Iton Technology Corp. 7 Floor East, Building C, Shenzhen International Innovation Center, No. 1006 Shennan Road, Futian District, Shenzhen, China**
Manufacturer	:	**Longgang Branch of Iton Technology Corp. Floor2~3,east side of building A,weixinda science and technologypark,NO.95,ainan road,longgang street,longgang district,shenzhen**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Aug. 14, 2019, and testing was started from Aug. 23, 2019 and completed on Sep. 10, 2019. 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
FR973042AC	01	Initial issue of report	Nov. 06, 2019

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: Jackson Tsai

Report Producer: Kate Lo

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX
2.4-2.4835GHz	802.11g	20	1TX
2.4-2.4835GHz	802.11n HT20	20	1TX
2.4-2.4835GHz	802.11n HT40	40	1TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	Walsin	RFANT3216120A5T	Multilayer ceramic antenna	N/A	2.12

For 2.4GHz function:

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

Ant. 1 could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From host system(NB)			
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	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

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

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 v05r02
- 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.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Andy	23.1~25.5°C / 63.5~66.5%	23/Aug/2019
Radiated	03CH02-HY	Edward	23.2~24.5°C / 61.2~65.8%	23/Aug/2019~ 10/Sep/2019
AC Conduction	CO04-HY	Edward	22.1~23.4°C / 64.5~67.9%	24/Aug/2019

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)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	5V

2.2 Test Channel Mode

Test Software Version	UI_mptool_1v15

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	33
2437MHz	33
2462MHz	34
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	59
2437MHz	63
2457MHz	63
2462MHz	62
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	59
2437MHz	63
2457MHz	63
2462MHz	59
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	59
2427MHz	63
2437MHz	63
2447MHz	59
2452MHz	57

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	USB 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	USB mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.4 Support Equipment

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E4300	-
2	Adapter	DELL	LA90PM111	-
3	Fixture	Xinkete	RW10BX-37P V1.3	-

Note: Support equipment No.3 was provided by customer.

Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC
3	DC Power Supply	GW	GPS-3030DD	-
4	Fixture	Xinkete	RW10BX-37P V1.3	-

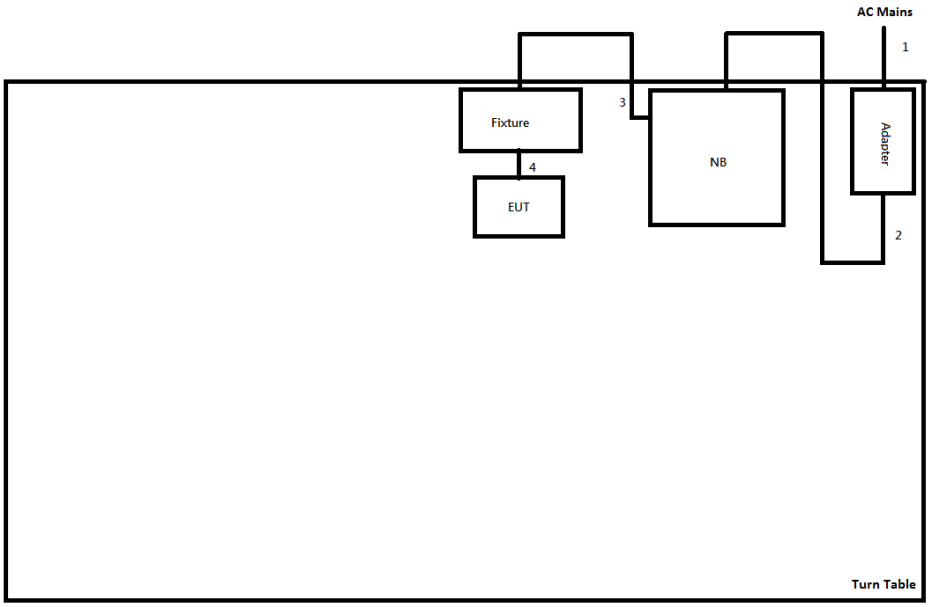
Note: Support equipment No.4 was provided by customer.

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Power Cable	Power sync	PW-GPC180-3	-
2	Notebook	DELL	E4300	-
3	Adapter	DELL	LA90PM111	-
4	Fixture	Xinkete	RW10BX-37P V1.3	-

Note: Support equipment No.4 was provided by customer.

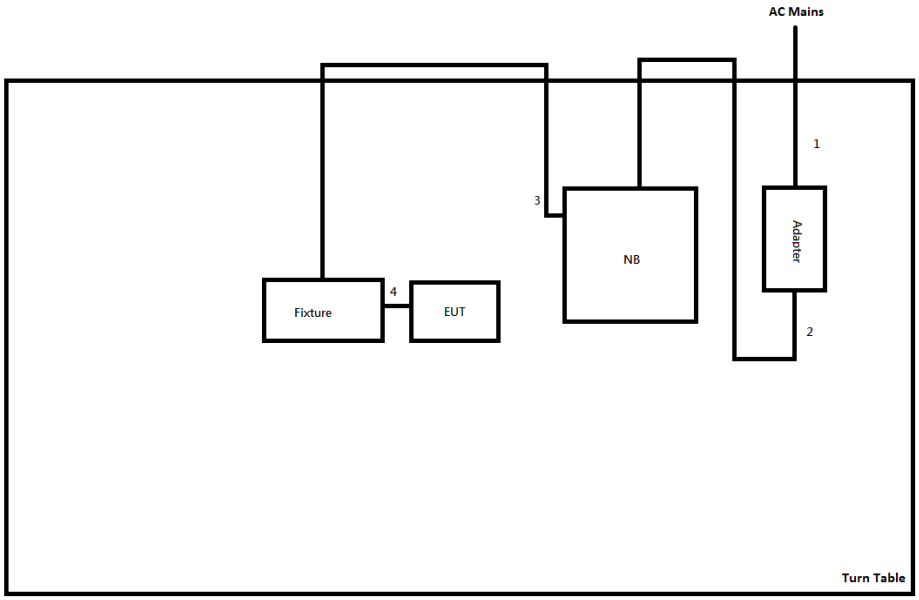
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.8	-
3	USB Cable	No	1.0	-
4	Fixture Cable	No	0.1	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	DC Power Cable	No	1.8	-
3	USB Cable	No	1.0	-
4	DATA Cable	No	0.1	-

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

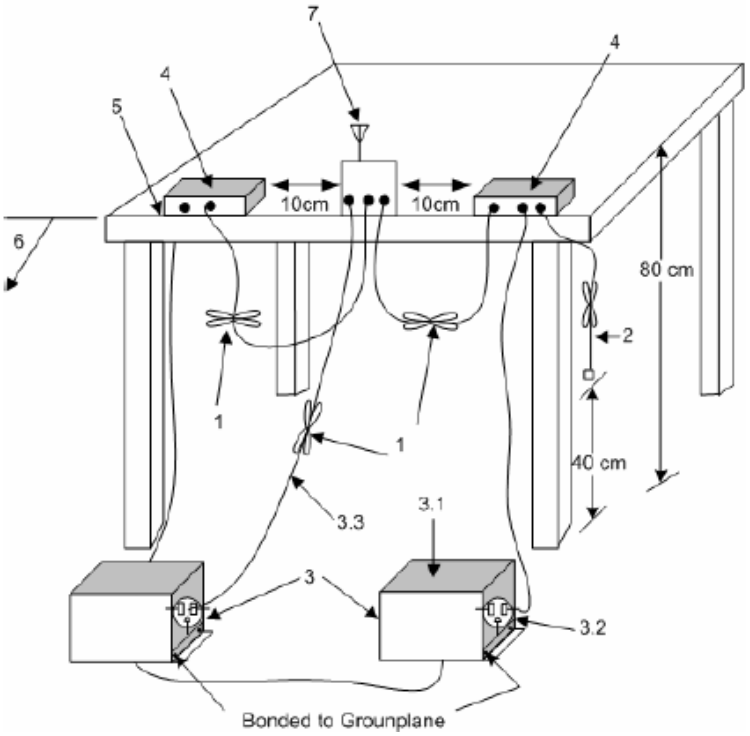
Refer a test equipment and calibration data table in this test report.

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 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 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.

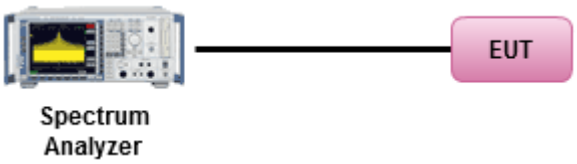
3.2.2 Measuring Instruments

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

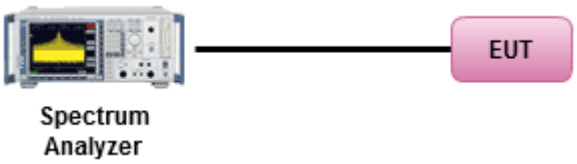
3.4.2 Measuring Instruments

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) Method PKPSD.	
▪ 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.	

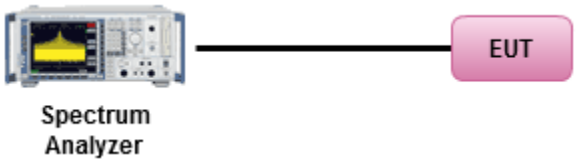
3.5.2 Measuring Instruments

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.

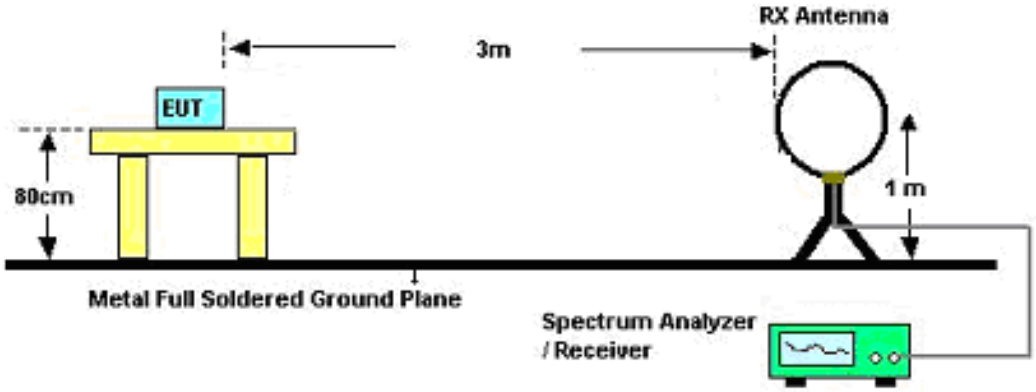
3.6.3 Test Procedures

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.

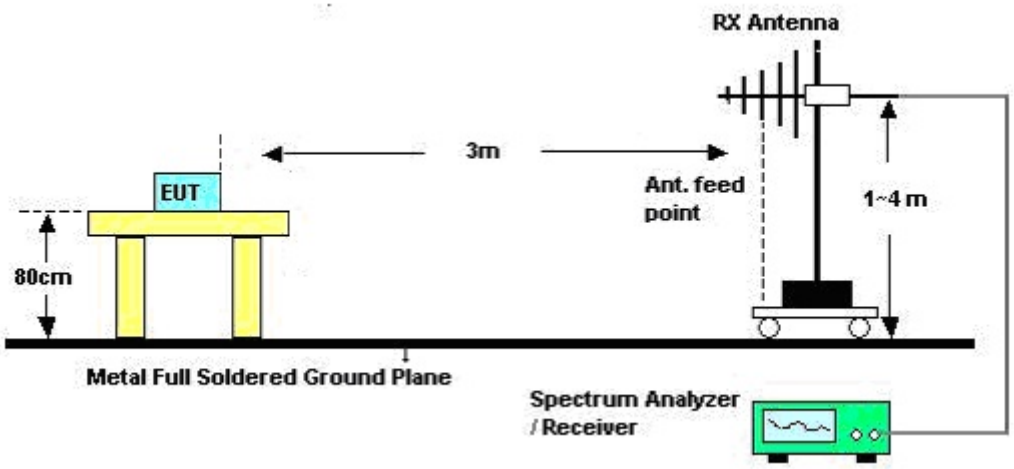
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

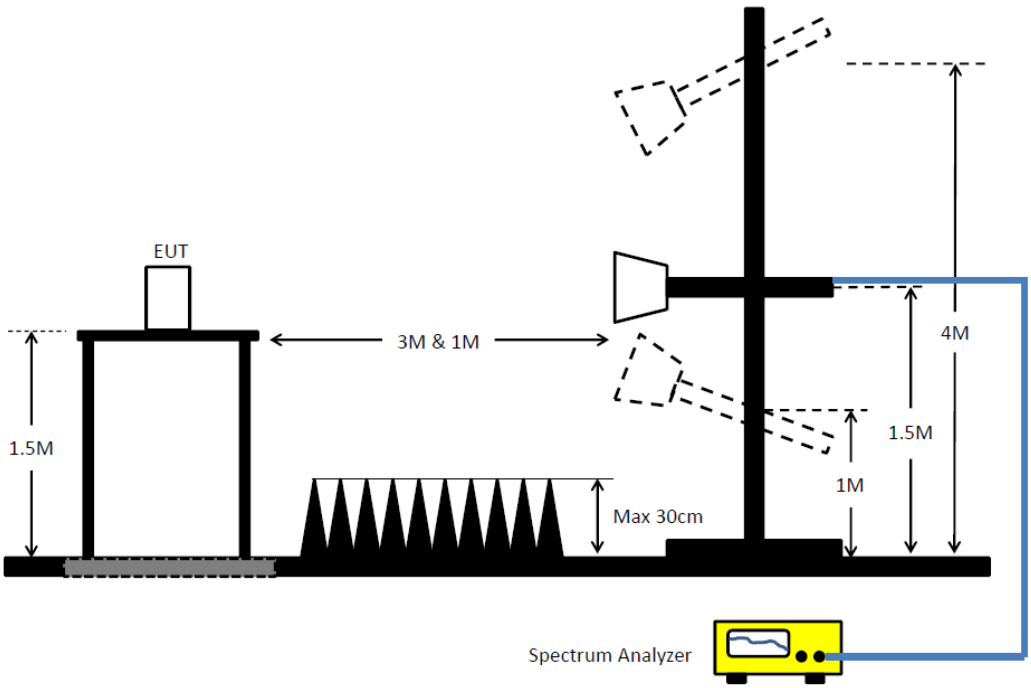
9kHz ~30MHz



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
EMC Receiver	R&S	ESR3	102052	9kHz~3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz~30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz~200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz~30MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Conducted Test

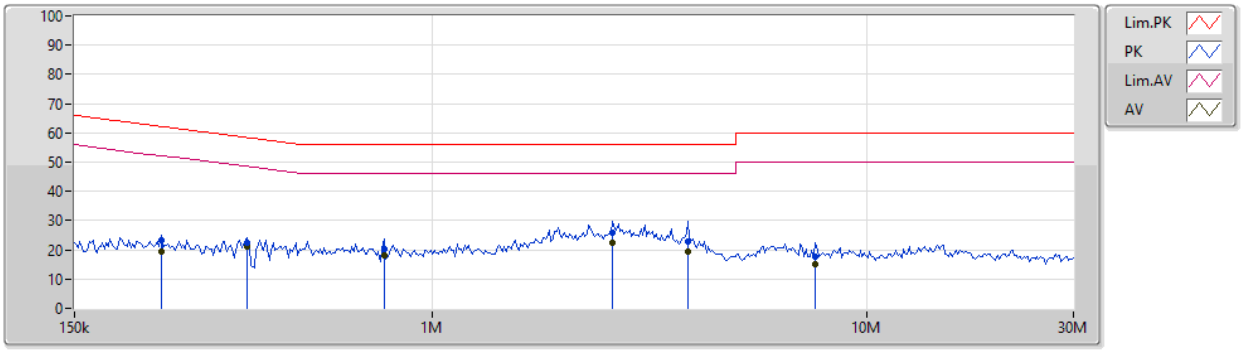
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	13/Mar/2019	12/Mar/2020
Power Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

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	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	02Jul/2019	01/Jul/2020
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	23/Oct/2018	22/Oct/2019
Spectrum Analyzer	Rohde & Schwarz	FSP40	100593	9KHz~40GHz	27/Dec/2018	26/Dec/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	09/Apr/2019	08/Apr/2020
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~1GHz	26/Mar/2019	25/Mar/2020
RF Cable-high 6m	SUHNER	SUCOFLEX104	10567868 / SN805193/4	1GHz~40GHz	9/Apr/2019	8/Apr/2020
RF Cable-high 7m	SUHNER	SUCOFLEX104	10567868 / SN805192/4	1GHz~40GHz	9/Apr/2019	8/Apr/2020
Bilog Antenna & 5db Attenuator	SCHAFFNER/MTJ	CBL6112D / MTJ6102-05	2678 / 001	30MHz~2GHz	6/Jul/2019	5/Jul/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	22/Mar2019	21/Mar2020
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	05/Aug/2019	04/Aug/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k~30MHz	15/Mar/2019	14/Mar/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	03/Jun/2019	02/Jun/2020

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	USB Mode		

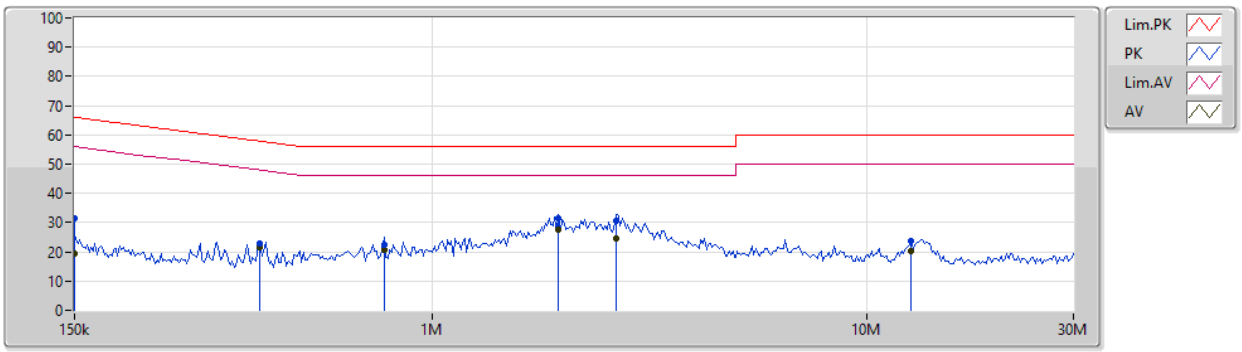
24/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	237.069k	23.22	62.20	-38.98	19.47	Neutral	-	3.75	9.59	0.01	9.87
AV	237.069k	19.39	52.20	-32.81	19.47	Neutral	-	-0.08	9.59	0.01	9.87
QP	374.678k	22.30	58.39	-36.09	19.48	Neutral	-	2.82	9.59	0.01	9.88
AV	374.678k	21.10	48.39	-27.29	19.48	Neutral	-	1.62	9.59	0.01	9.88
QP	774.672k	20.45	56.00	-35.55	19.49	Neutral	-	0.96	9.59	0.02	9.88
AV	774.672k	17.94	46.00	-28.06	19.49	Neutral	-	-1.55	9.59	0.02	9.88
QP	2.608M	25.93	56.00	-30.07	19.54	Neutral	-	6.39	9.61	0.04	9.89
AV	2.608M	22.25	46.00	-23.75	19.54	Neutral	"Worst"	2.71	9.61	0.04	9.89
QP	3.883M	22.69	56.00	-33.31	19.55	Neutral	-	3.14	9.61	0.05	9.89
AV	3.883M	19.28	46.00	-26.72	19.55	Neutral	-	-0.27	9.61	0.05	9.89
QP	7.639M	17.50	60.00	-42.50	19.60	Neutral	-	-2.10	9.65	0.06	9.89
AV	7.639M	14.99	50.00	-35.01	19.60	Neutral	-	-4.61	9.65	0.06	9.89

AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Line
Operating Function	USB Mode		

24/08/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	31.62	66.00	-34.38	19.48	Line	-	12.14	9.60	0.01	9.87
AV	150k	19.36	56.00	-36.64	19.48	Line	-	-0.12	9.60	0.01	9.87
QP	401.705k	22.95	57.82	-34.87	19.48	Line	-	3.47	9.59	0.01	9.88
AV	401.705k	21.50	47.82	-26.32	19.48	Line	-	2.02	9.59	0.01	9.88
QP	774.672k	22.48	56.00	-33.52	19.50	Line	-	2.98	9.60	0.02	9.88
AV	774.672k	20.72	46.00	-25.28	19.50	Line	-	1.22	9.60	0.02	9.88
QP	1.954M	31.45	56.00	-24.55	19.54	Line	-	11.91	9.62	0.03	9.89
AV	1.954M	27.40	46.00	-18.60	19.54	Line	"Worst"	7.86	9.62	0.03	9.89
QP	2.661M	30.59	56.00	-25.41	19.55	Line	-	11.04	9.62	0.04	9.89
AV	2.661M	24.50	46.00	-21.50	19.55	Line	-	4.95	9.62	0.04	9.89
QP	12.689M	23.79	60.00	-36.21	19.63	Line	-	4.16	9.65	0.08	9.90
AV	12.689M	20.06	50.00	-29.94	19.63	Line	-	0.43	9.65	0.08	9.90

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.075M	14.918M	14M9G1D	10.05M	14.843M
802.11g_Nss1,(6Mbps)_1TX	16.55M	16.767M	16M8D1D	16.525M	16.542M
802.11n HT20_Nss1,(MCS0)_1TX	17.8M	17.866M	17M9D1D	17.775M	17.741M
802.11n HT40_Nss1,(MCS0)_1TX	36.35M	36.032M	36M0D1D	36.3M	35.832M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10.05M	14.918M
2437MHz_TnomVnom	Pass	500k	10.075M	14.893M
2462MHz_TnomVnom	Pass	500k	10.05M	14.843M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.55M	16.542M
2437MHz_TnomVnom	Pass	500k	16.525M	16.742M
2462MHz_TnomVnom	Pass	500k	16.525M	16.767M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.775M	17.766M
2437MHz_TnomVnom	Pass	500k	17.8M	17.866M
2462MHz_TnomVnom	Pass	500k	17.775M	17.741M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.35M	35.882M
2437MHz_TnomVnom	Pass	500k	36.3M	36.032M
2452MHz_TnomVnom	Pass	500k	36.3M	35.832M

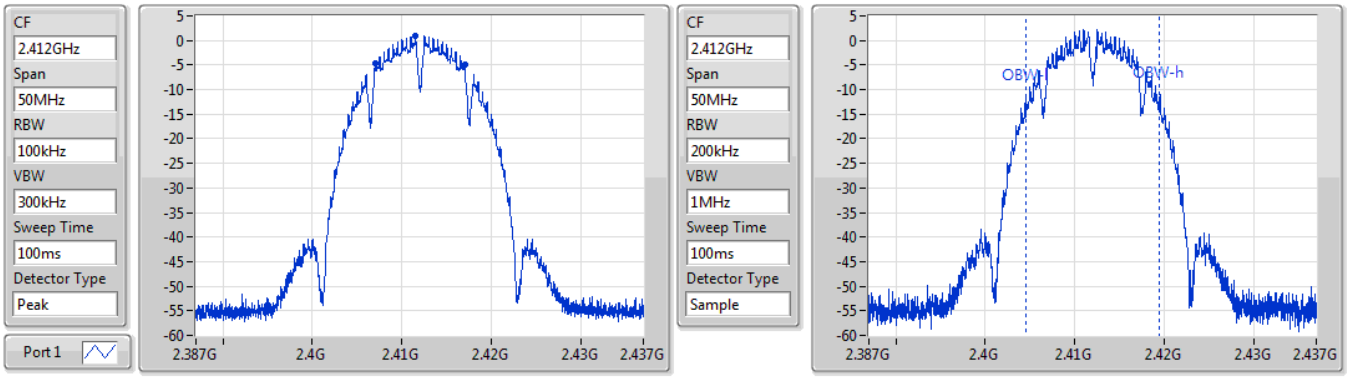
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX

EBW

2412MHz

23/08/2019



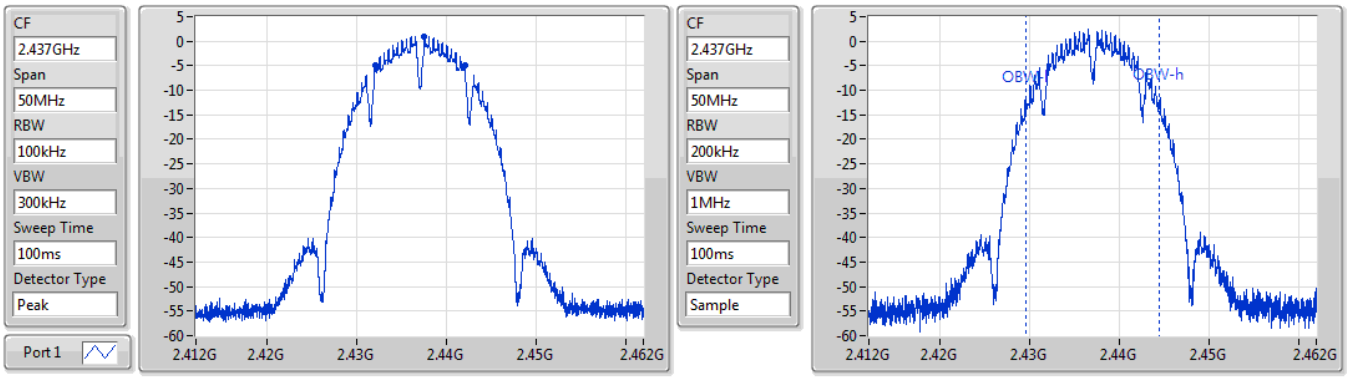
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.407025G	2.417075G	14.918M	2.404579G	2.419496G	500k	1

802.11b_Nss1,(1Mbps)_1TX

EBW

2437MHz

23/08/2019



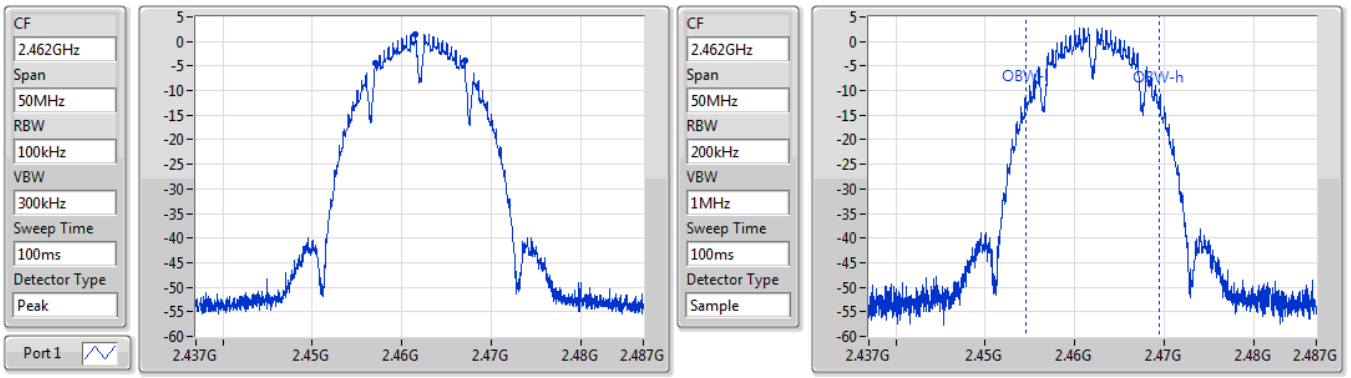
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.432G	2.442075G	14.893M	2.429604G	2.444496G	500k	1

802.11b_Nss1,(1Mbps)_1TX

EBW

2462MHz

23/08/2019



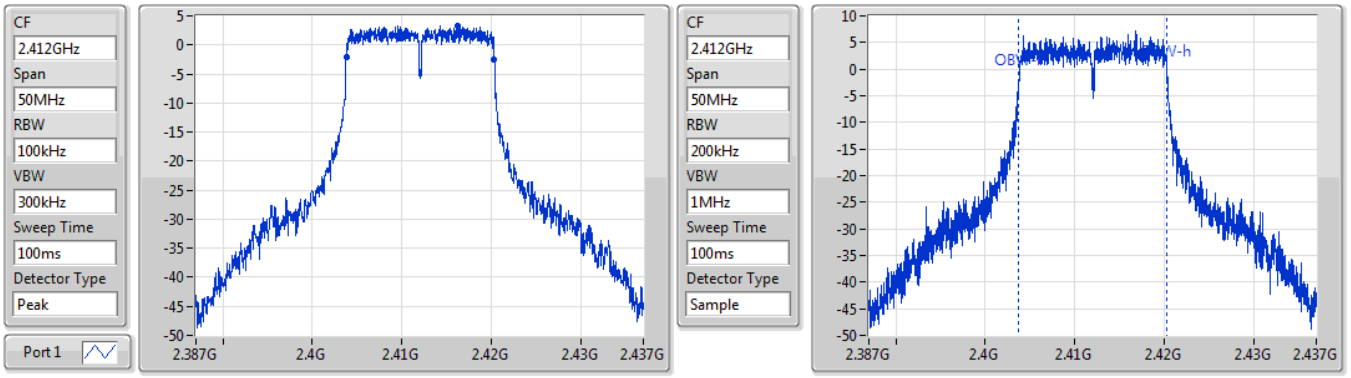
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.457G	2.46705G	14.843M	2.454604G	2.469446G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

23/08/2019

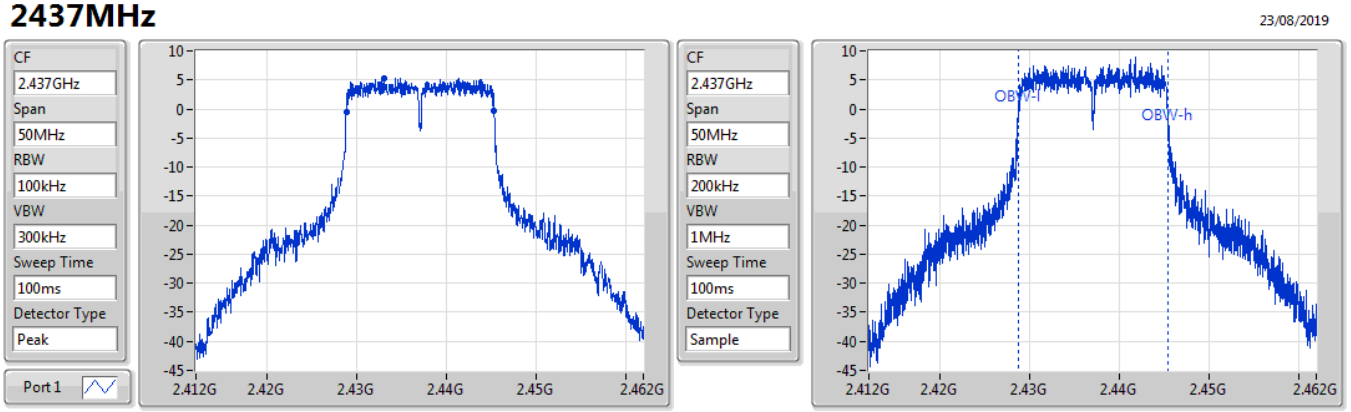


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.55M	2.4038G	2.42035G	16.542M	2.403779G	2.420321G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

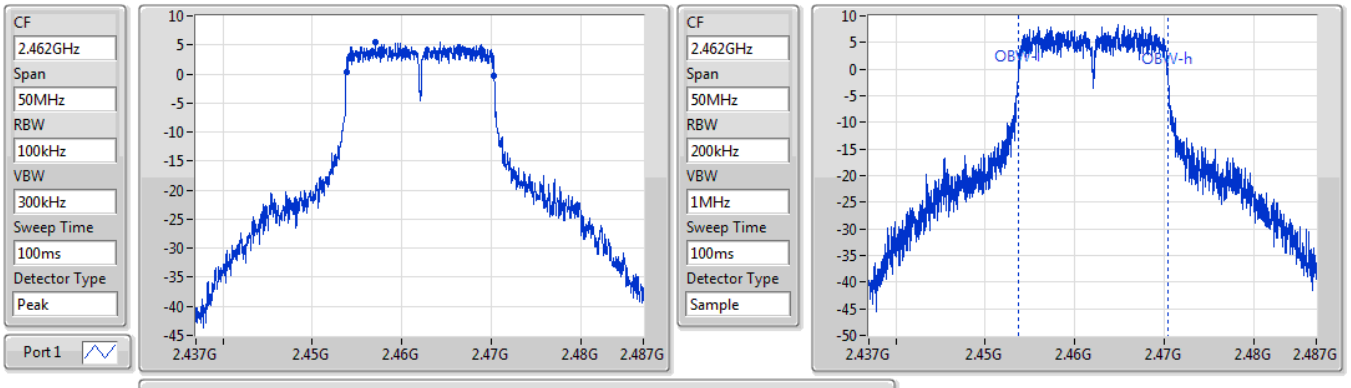


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4288G	2.445325G	16.742M	2.428704G	2.445446G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2462MHz



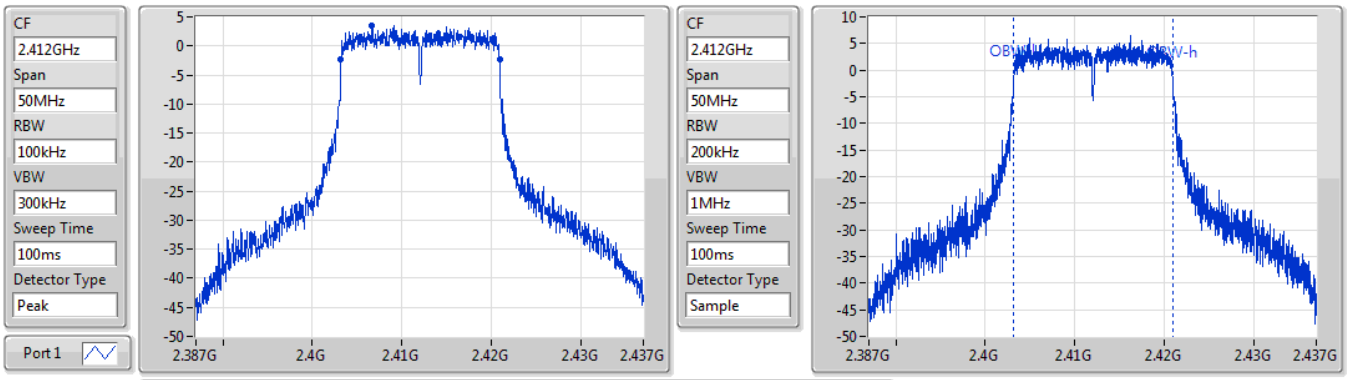
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.4538G	2.470325G	16.767M	2.453679G	2.470446G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2412MHz

23/08/2019



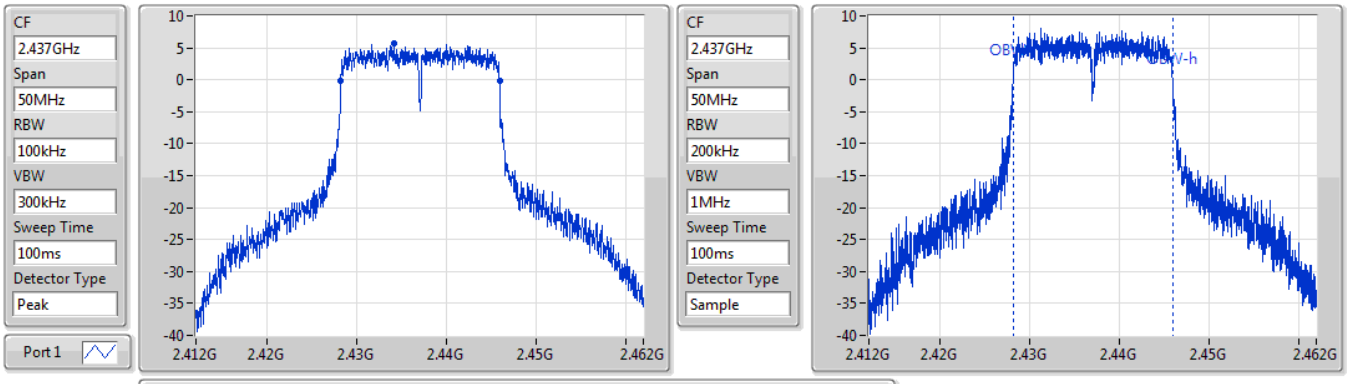
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.775M	2.4032G	2.420975G	17.766M	2.403204G	2.420971G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

23/08/2019



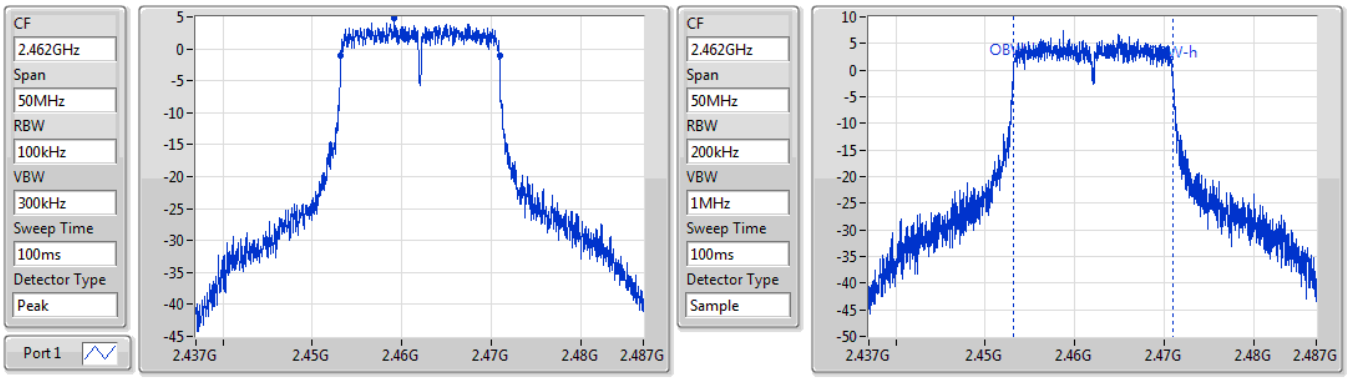
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.8M	2.42815G	2.44595G	17.866M	2.428129G	2.445996G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

23/08/2019



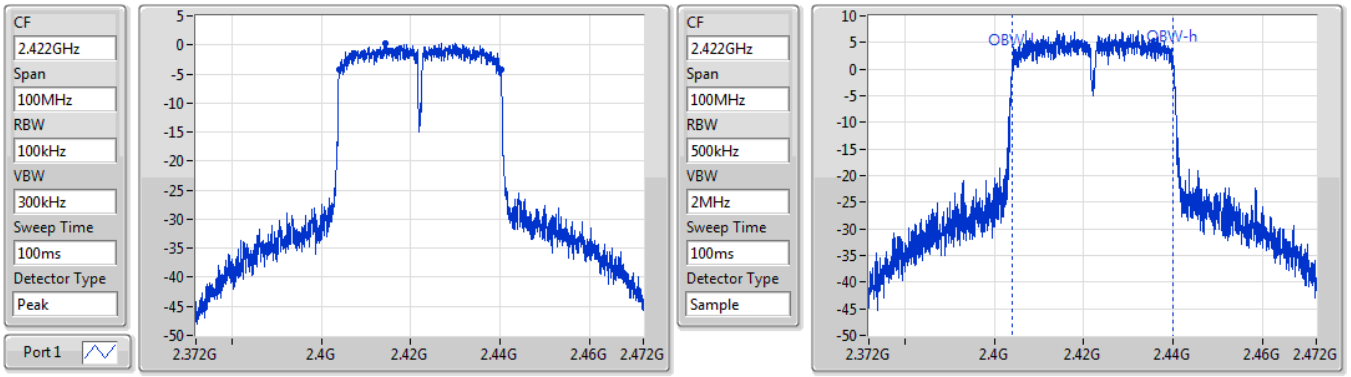
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.775M	2.45315G	2.470925G	17.741M	2.453179G	2.470921G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX

EBW

2422MHz

23/08/2019



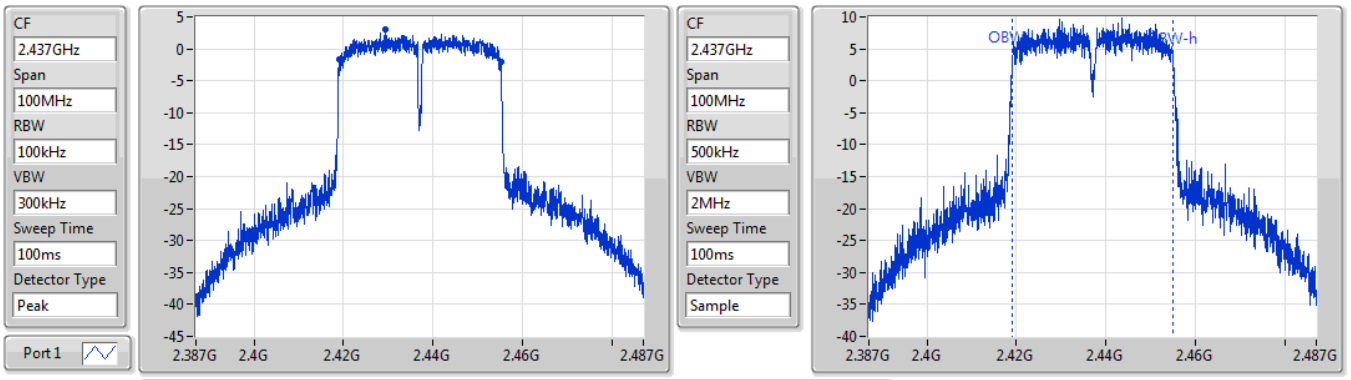
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.4039G	2.44025G	35.882M	2.404159G	2.440041G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX

EBW

2437MHz

23/08/2019



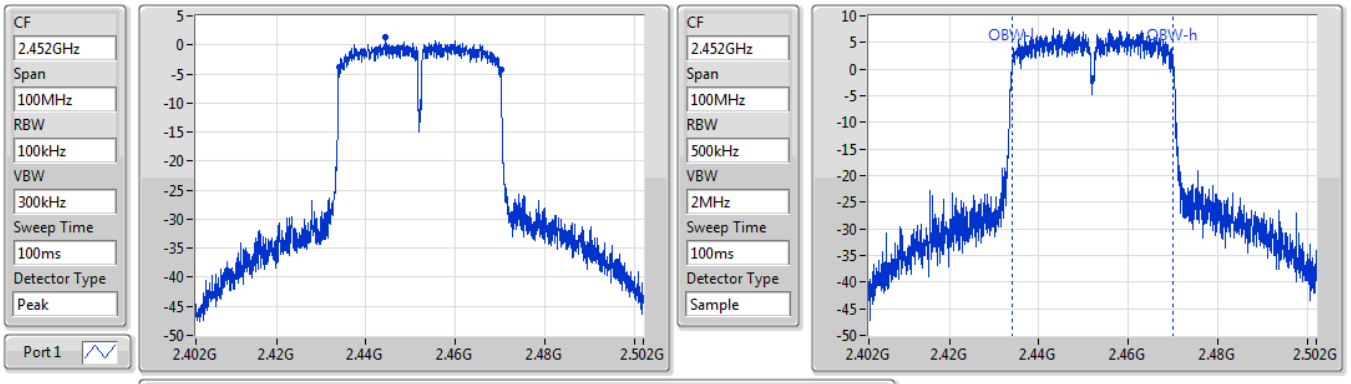
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.4189G	2.4552G	36.032M	2.419059G	2.455091G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX

EBW

2452MHz

23/08/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.4339G	2.4702G	35.832M	2.434109G	2.469941G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	11.69	0.01476
802.11g_Nss1,(6Mbps)_1TX	19.91	0.09795
802.11n HT20_Nss1,(MCS0)_1TX	19.98	0.09954
802.11n HT40_Nss1,(MCS0)_1TX	19.73	0.09397

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	11.03	11.03	30.00
2437MHz_TnomVnom	Pass	2.12	11.21	11.21	30.00
2462MHz_TnomVnom	Pass	2.12	11.69	11.69	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	17.73	17.73	30.00
2437MHz_TnomVnom	Pass	2.12	19.84	19.84	30.00
2457MHz_TnomVnom	Pass	2.12	19.91	19.91	30.00
2462MHz_TnomVnom	Pass	2.12	19.66	19.66	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	17.62	17.62	30.00
2437MHz_TnomVnom	Pass	2.12	19.98	19.98	30.00
2457MHz_TnomVnom	Pass	2.12	19.72	19.72	30.00
2462MHz_TnomVnom	Pass	2.12	18.43	18.43	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.12	17.60	17.60	30.00
2427MHz_TnomVnom	Pass	2.12	19.73	19.73	30.00
2437MHz_TnomVnom	Pass	2.12	19.59	19.59	30.00
2447MHz_TnomVnom	Pass	2.12	19.11	19.11	30.00
2452MHz_TnomVnom	Pass	2.12	17.86	17.86	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	-15.15
802.11g_Nss1,(6Mbps)_1TX	-9.19
802.11n HT20_Nss1,(MCS0)_1TX	-8.90
802.11n HT40_Nss1,(MCS0)_1TX	-10.09

RBW=3 kHz.

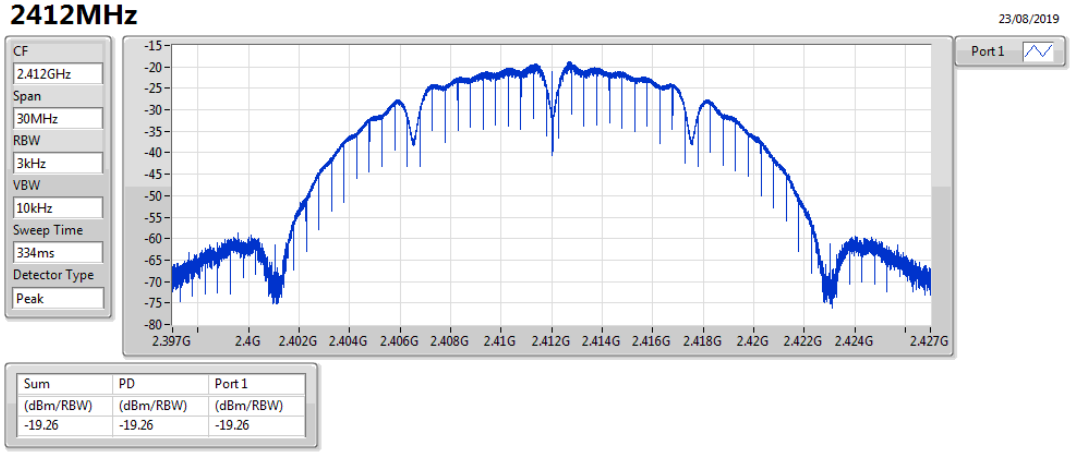
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	-19.26	-19.26	8.00
2437MHz_TnomVnom	Pass	2.12	-19.17	-19.17	8.00
2462MHz_TnomVnom	Pass	2.12	-15.15	-15.15	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	-11.41	-11.41	8.00
2437MHz_TnomVnom	Pass	2.12	-9.25	-9.25	8.00
2462MHz_TnomVnom	Pass	2.12	-9.19	-9.19	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.12	-10.37	-10.37	8.00
2437MHz_TnomVnom	Pass	2.12	-8.90	-8.90	8.00
2462MHz_TnomVnom	Pass	2.12	-9.87	-9.87	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.12	-10.86	-10.86	8.00
2437MHz_TnomVnom	Pass	2.12	-10.09	-10.09	8.00
2452MHz_TnomVnom	Pass	2.12	-11.98	-11.98	8.00

DG = Directional Gain; RBW=3 kHz;
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

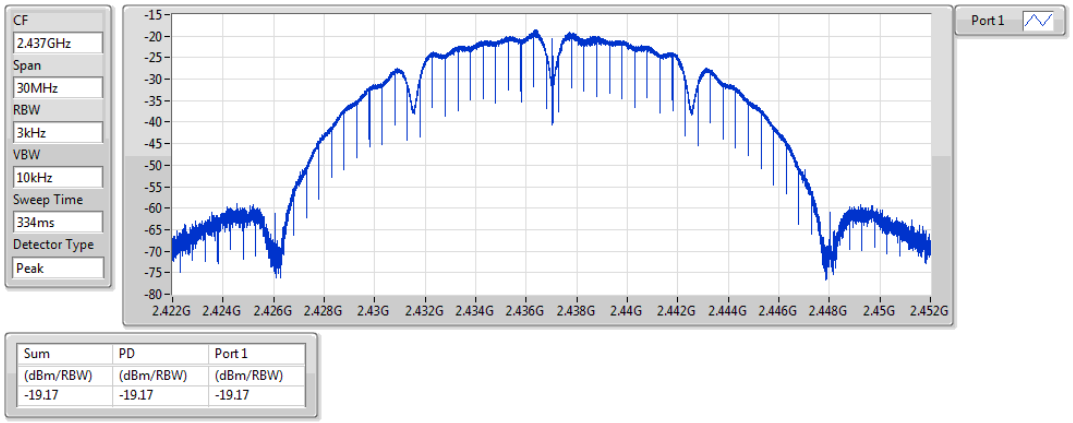
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.26	-19.26	-19.26

802.11b_Nss1,(1Mbps)_1TX PSD

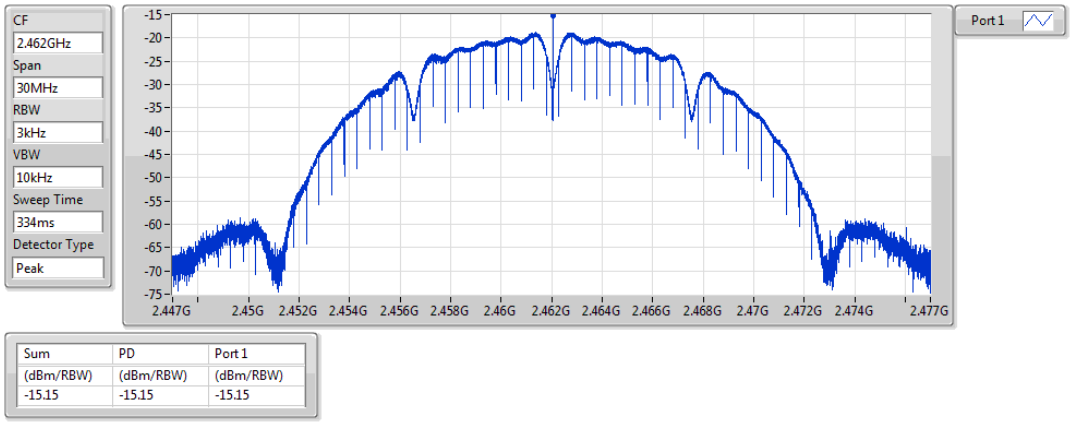
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.17	-19.17	-19.17

802.11b_Nss1,(1Mbps)_1TX PSD

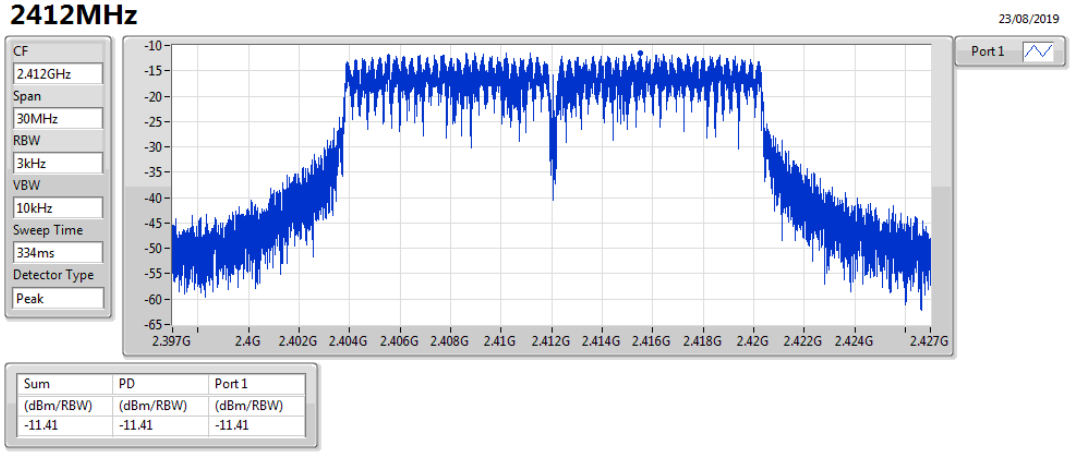
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.15	-15.15	-15.15

802.11g_Nss1,(6Mbps)_1TX PSD

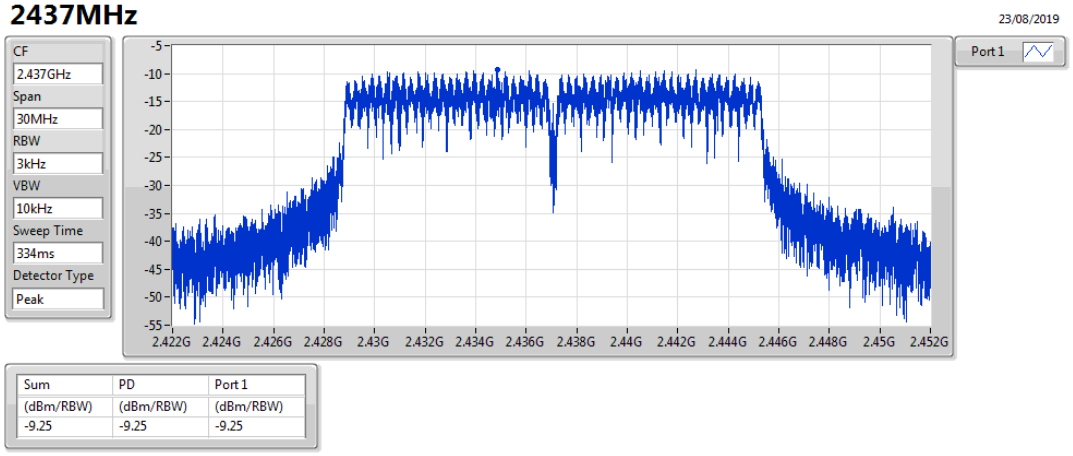
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.41	-11.41	-11.41

802.11g_Nss1,(6Mbps)_1TX PSD

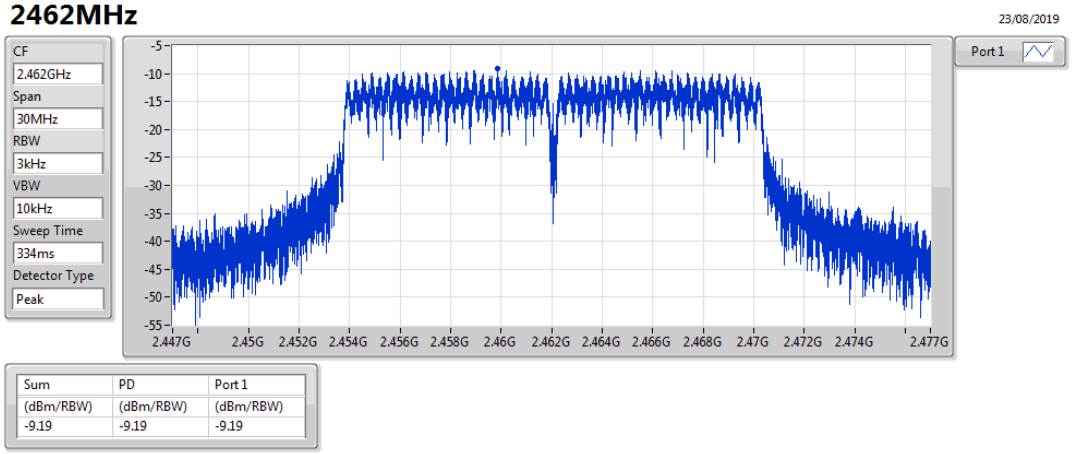
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.25	-9.25	-9.25

802.11g_Nss1,(6Mbps)_1TX PSD

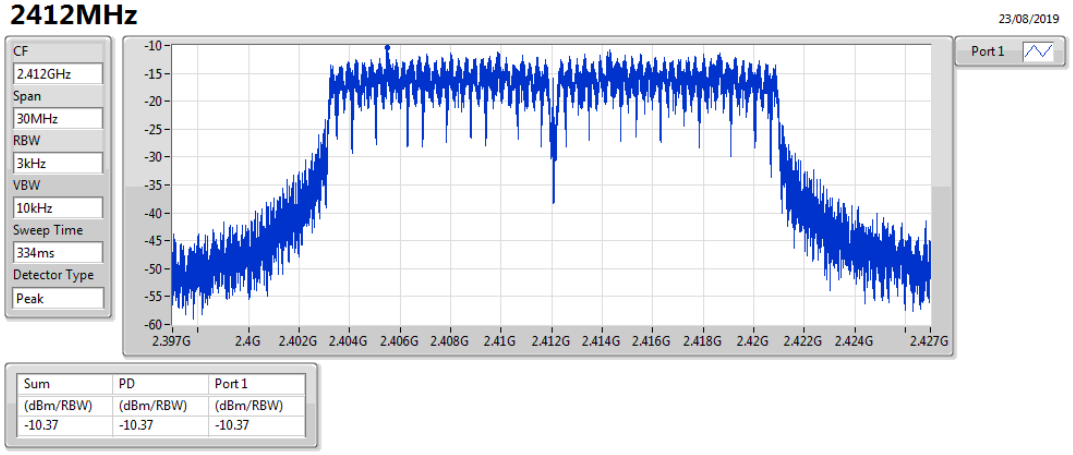
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.19	-9.19	-9.19

802.11n HT20_Nss1,(MCS0)_1TX PSD

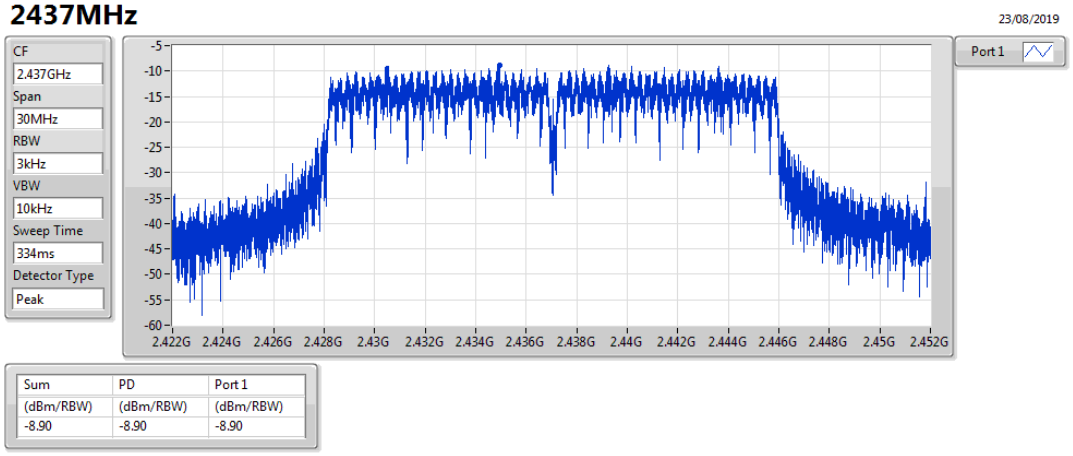
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.37	-10.37	-10.37

802.11n HT20_Nss1,(MCS0)_1TX PSD

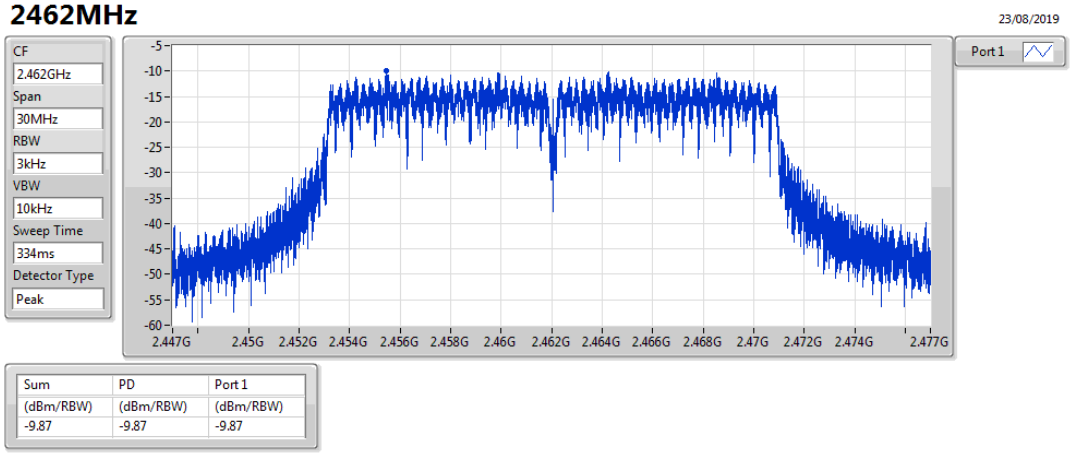
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.90	-8.90	-8.90

802.11n HT20_Nss1,(MCS0)_1TX PSD

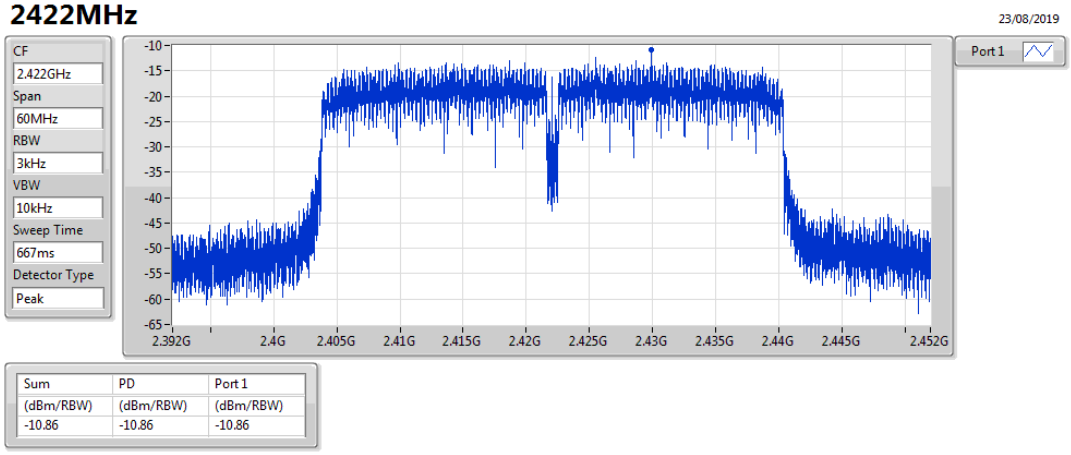
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.87	-9.87	-9.87

802.11n HT40_Nss1,(MCS0)_1TX PSD

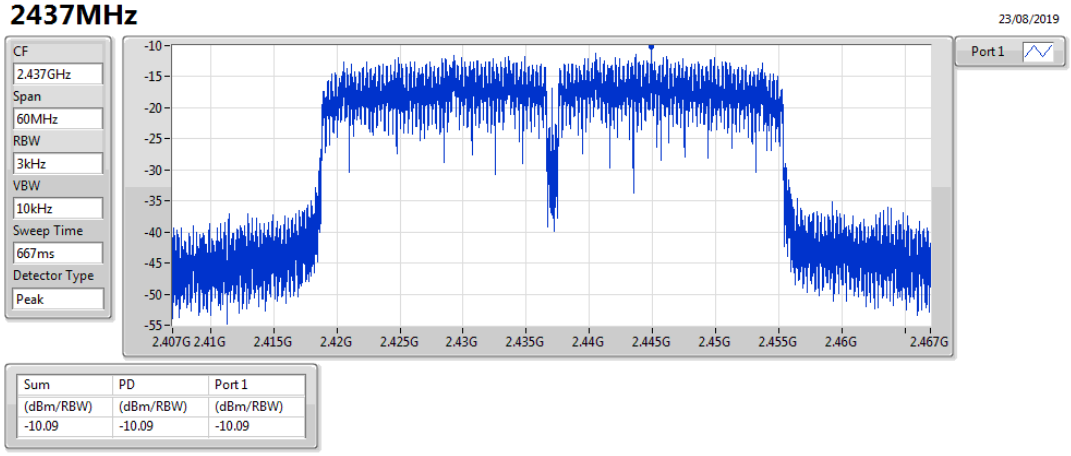
2422MHz



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

802.11n HT40_Nss1,(MCS0)_1TX PSD

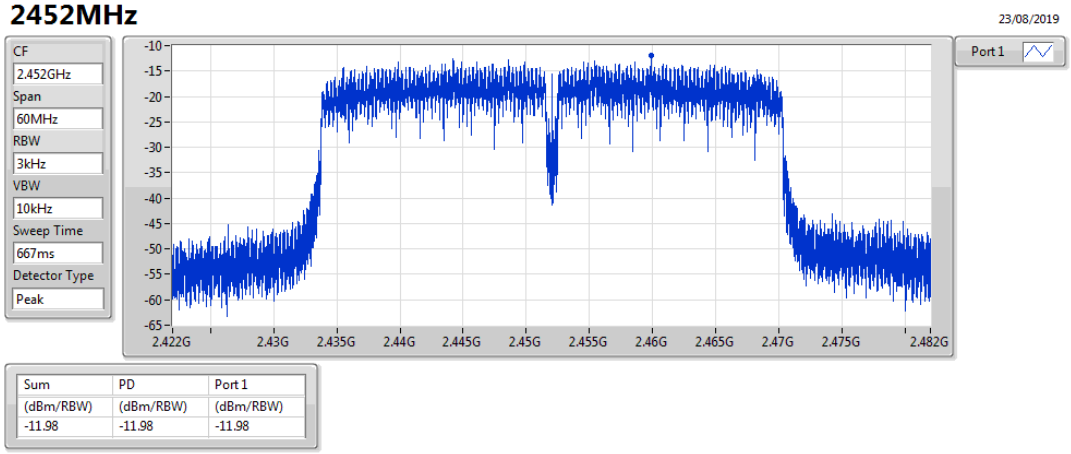
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.09	-10.09	-10.09

802.11n HT40_Nss1,(MCS0)_1TX PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.98	-11.98	-11.98

Summary

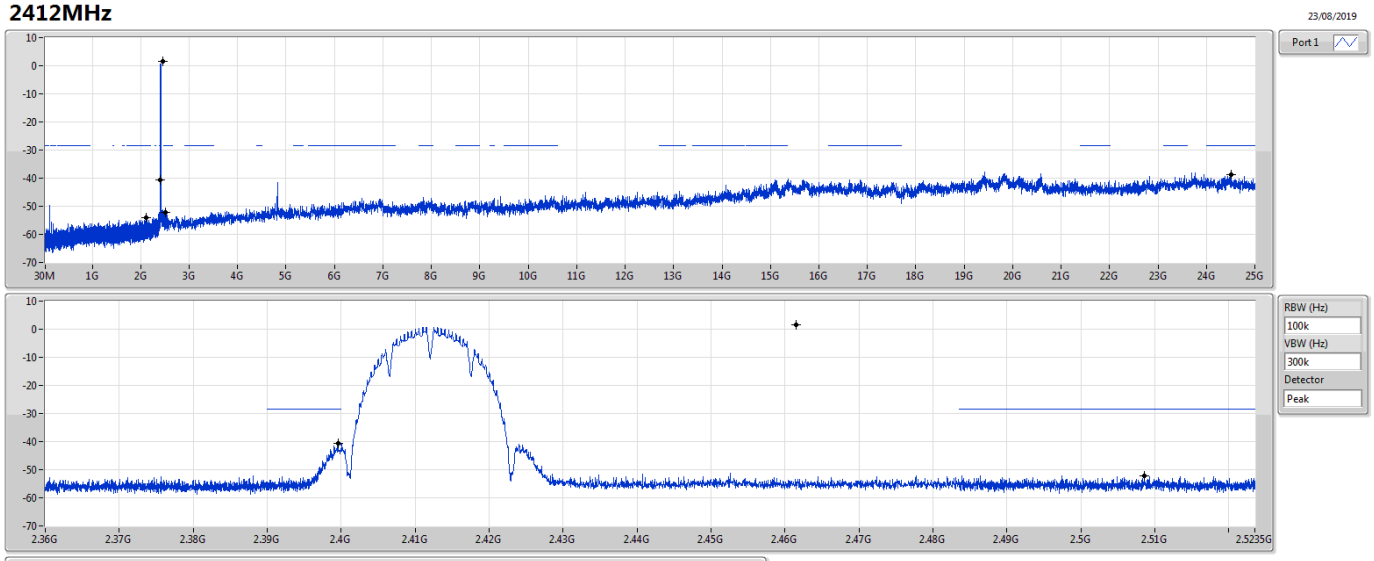
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.46154G	1.42	-28.58	2.16428G	-53.66	2.39466G	-52.50	2.49248G	-51.08	24.44933G	-38.24	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43933G	5.24	-24.76	159.9M	-54.07	2.39992G	-24.99	2.50992G	-50.48	24.09813G	-38.89	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43419G	5.44	-24.56	159.9M	-53.04	2.39956G	-25.40	2.50218G	-51.04	24.44652G	-38.56	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.42931G	2.76	-27.24	32M	-47.66	2.39796G	-27.29	2.49046G	-46.68	24.45311G	-38.69	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)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.46154G	1.42	-28.58	2.11768G	-54.16	2.39956G	-40.75	2.50856G	-52.19	24.50271G	-38.76	1
2437MHz_TnomVnom	Pass	2.46154G	1.42	-28.58	2.16428G	-53.66	2.39466G	-52.50	2.49248G	-51.08	24.44933G	-38.24	1
2462MHz_TnomVnom	Pass	2.46154G	1.42	-28.58	2.14739G	-53.28	2.39378G	-52.55	2.48782G	-50.44	24.43528G	-39.06	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43933G	5.24	-24.76	159.9M	-54.07	2.39992G	-24.99	2.50992G	-50.48	24.09813G	-38.89	1
2437MHz_TnomVnom	Pass	2.43933G	5.24	-24.76	2.30117G	-53.21	2.3998G	-45.21	2.4842G	-47.98	24.50271G	-38.67	1
2462MHz_TnomVnom	Pass	2.43933G	5.24	-24.76	159.9M	-52.63	2.39208G	-51.35	2.48418G	-30.21	24.06442G	-39.08	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.43419G	5.44	-24.56	159.9M	-53.04	2.39956G	-25.40	2.50218G	-51.04	24.44652G	-38.56	1
2437MHz_TnomVnom	Pass	2.43419G	5.44	-24.56	2.30554G	-53.20	2.39972G	-45.14	2.48438G	-45.64	24.48023G	-39.04	1
2462MHz_TnomVnom	Pass	2.43419G	5.44	-24.56	2.17884G	-51.84	2.39238G	-51.54	2.484G	-32.88	24.12061G	-38.44	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.42931G	2.76	-27.24	32M	-47.66	2.39796G	-27.29	2.49046G	-46.68	24.45311G	-38.69	1
2437MHz_TnomVnom	Pass	2.42931G	2.76	-27.24	30.86M	-44.06	2.39708G	-27.65	2.48454G	-32.42	24.45311G	-38.73	1
2452MHz_TnomVnom	Pass	2.42931G	2.76	-27.24	30.86M	-45.86	2.39928G	-47.30	2.48362G	-31.47	24.8177G	-38.26	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

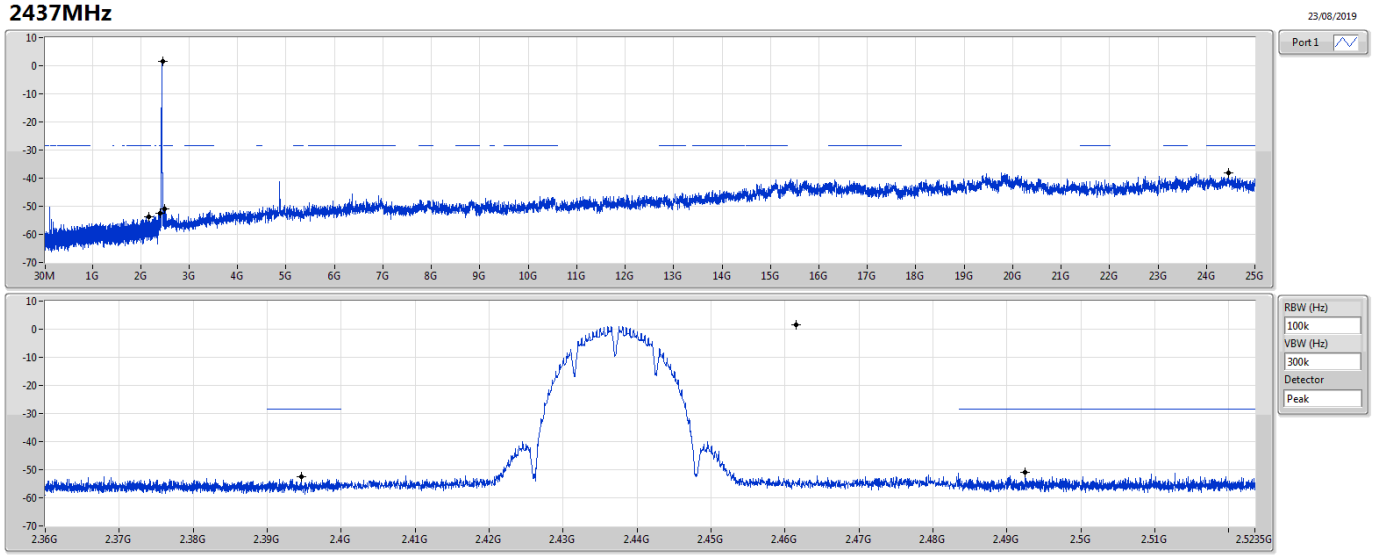
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46154G	1.42	-28.58	2.11768G	-54.16	2.39956G	-40.75	2.50856G	-52.19	24.50271G	-38.76	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

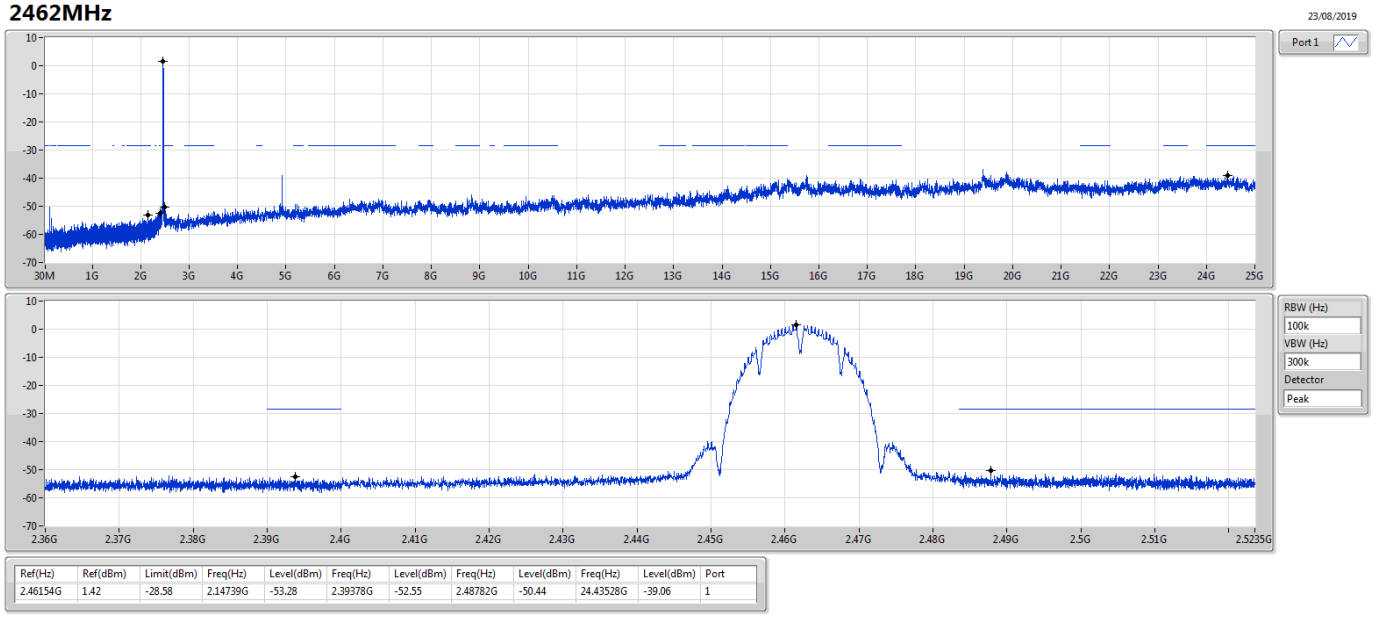
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46154G	1.42	-28.58	2.16428G	-53.66	2.39466G	-52.50	2.49248G	-51.08	24.44933G	-38.24	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

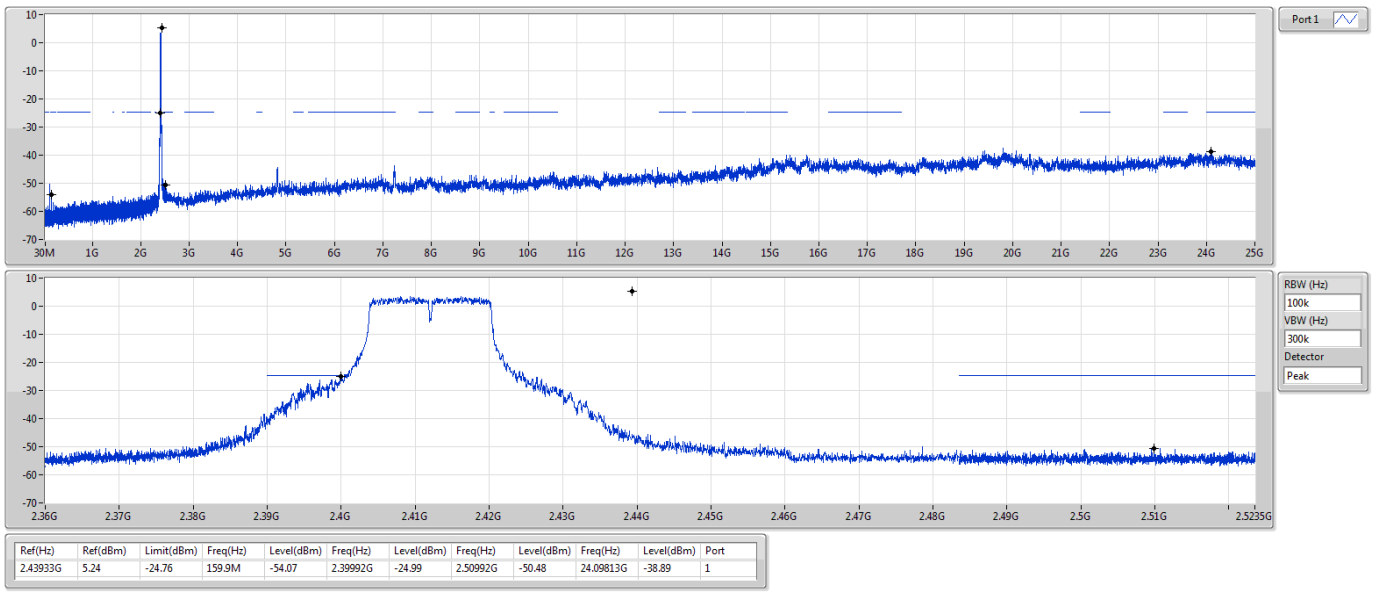
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.46154G	1.42	-28.58	2.14739G	-53.28	2.39378G	-52.55	2.48782G	-50.44	24.43528G	-39.06	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

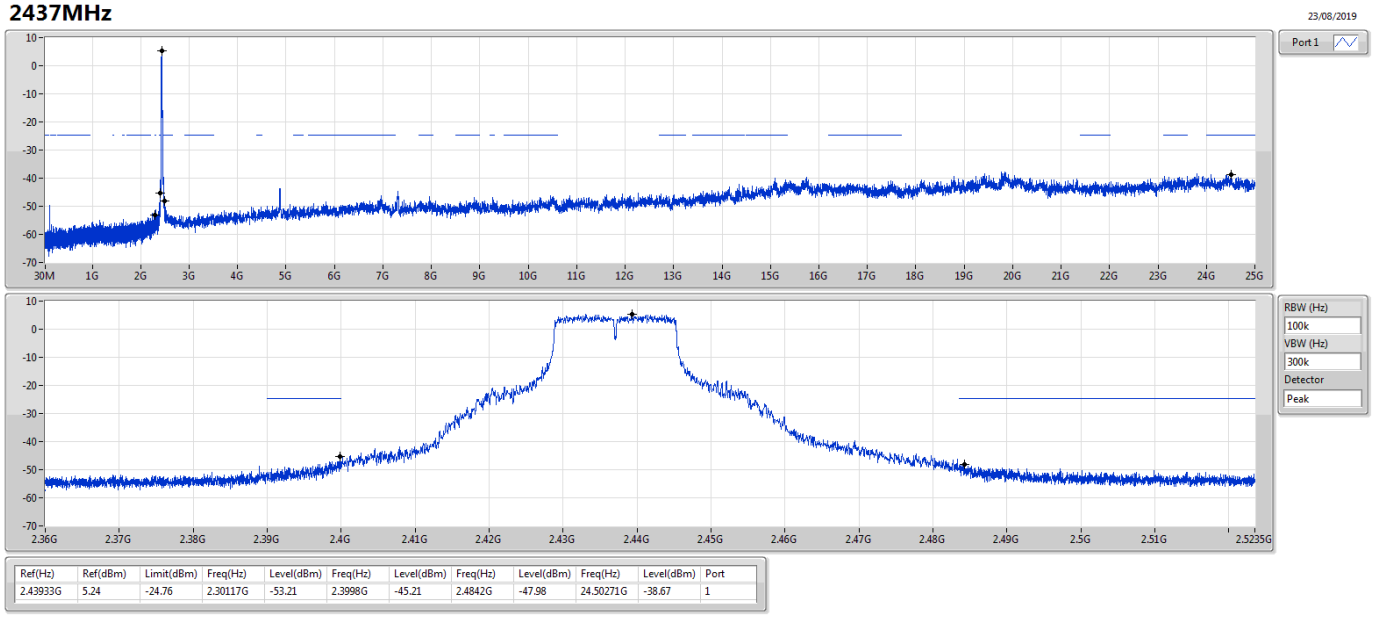
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43933G	5.24	-24.76	159.9M	-54.07	2.39992G	-24.99	2.50992G	-50.48	24.09813G	-38.89	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

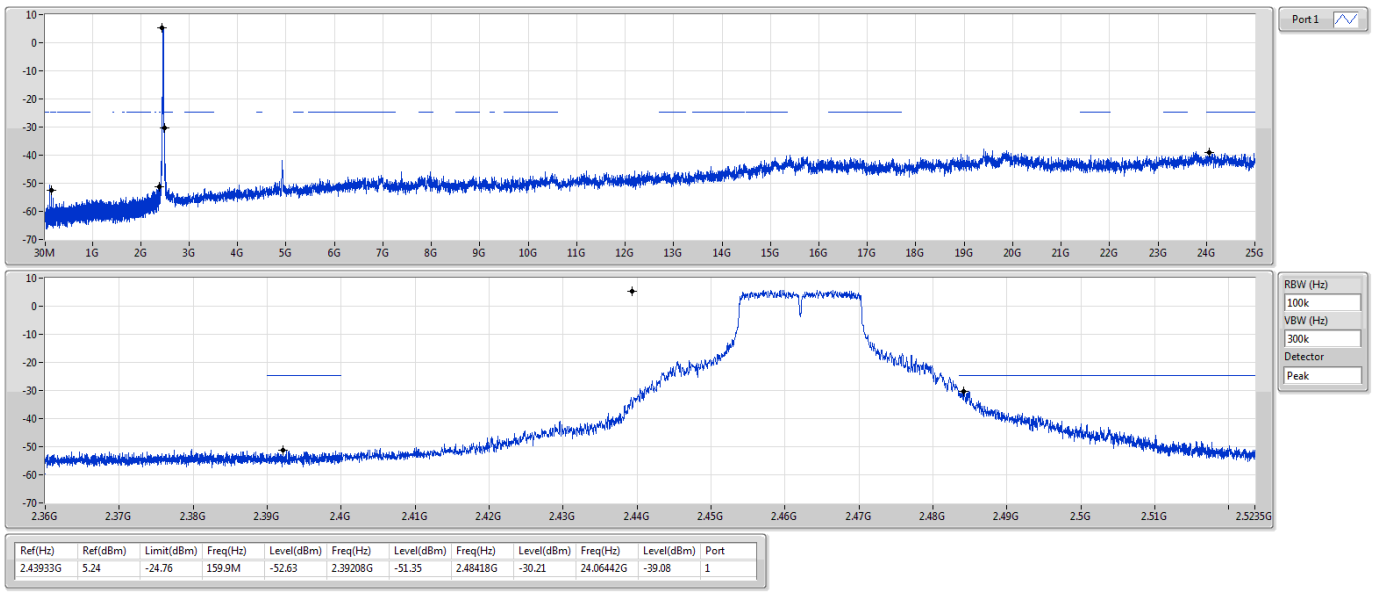
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43933G	5.24	-24.76	2.30117G	-53.21	2.3998G	-45.21	2.4842G	-47.98	24.50271G	-38.67	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

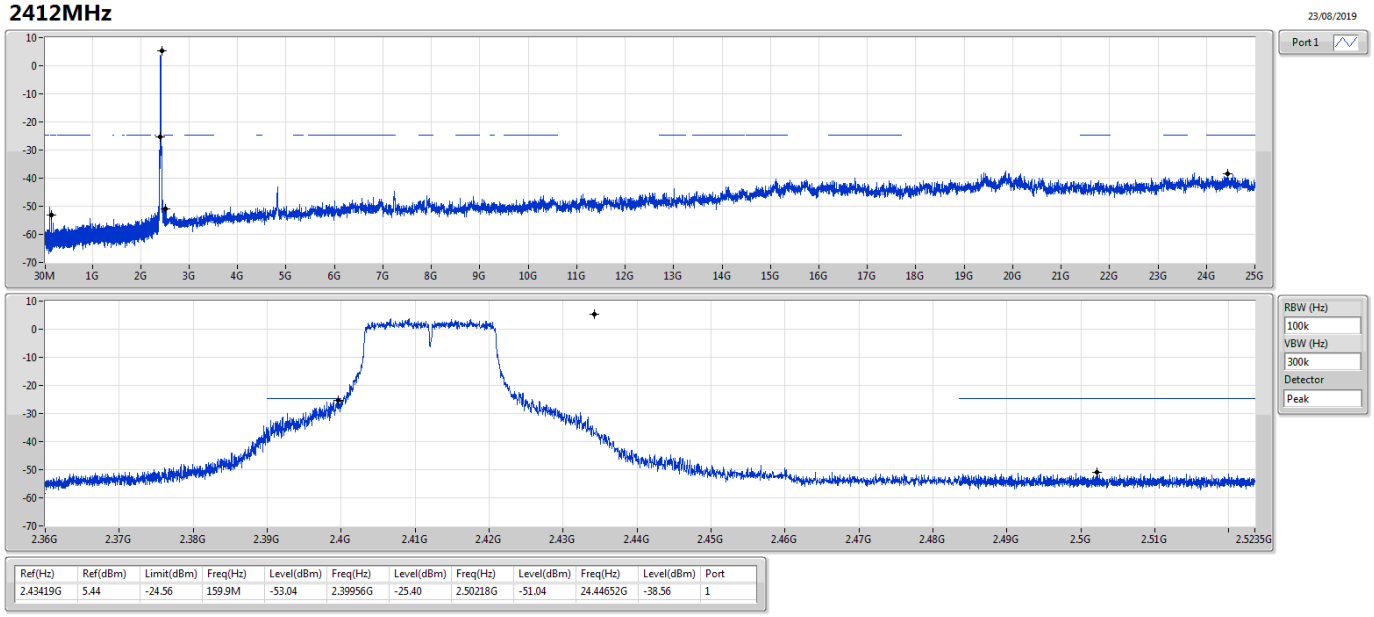
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43933G	5.24	-24.76	159.9M	-52.63	2.39208G	-51.35	2.48418G	-30.21	24.06442G	-39.08	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

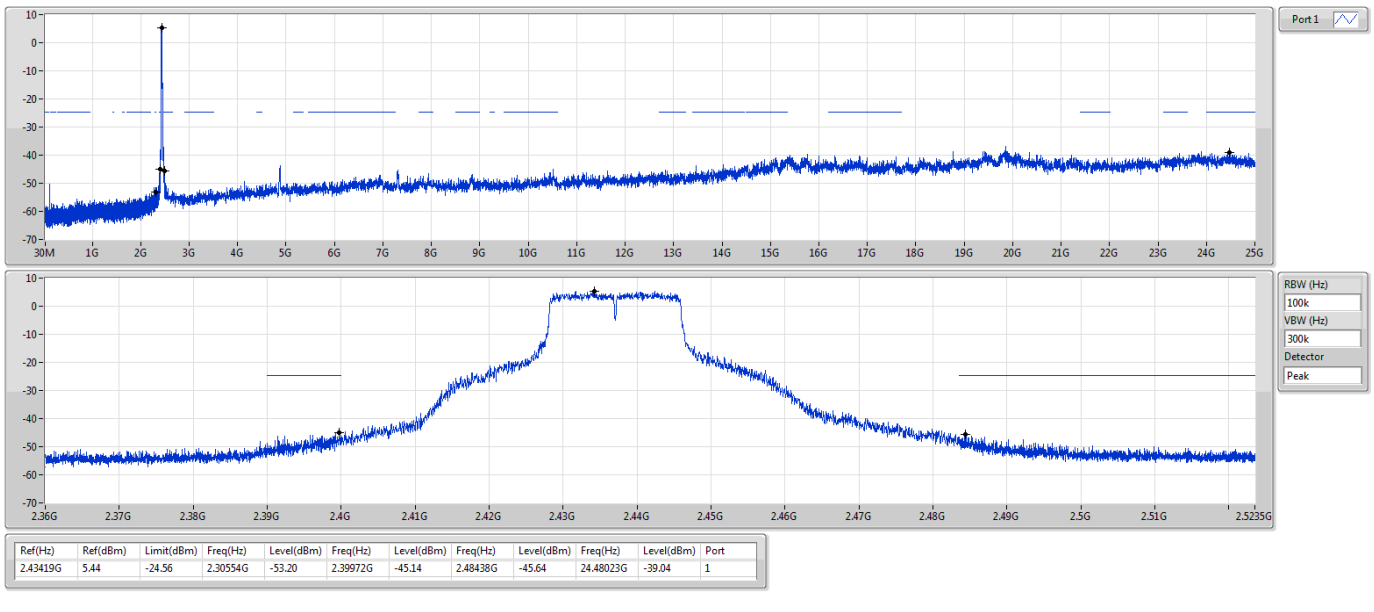
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43419G	5.44	-24.56	159.9M	-53.04	2.39956G	-25.40	2.50218G	-51.04	24.44652G	-38.56	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

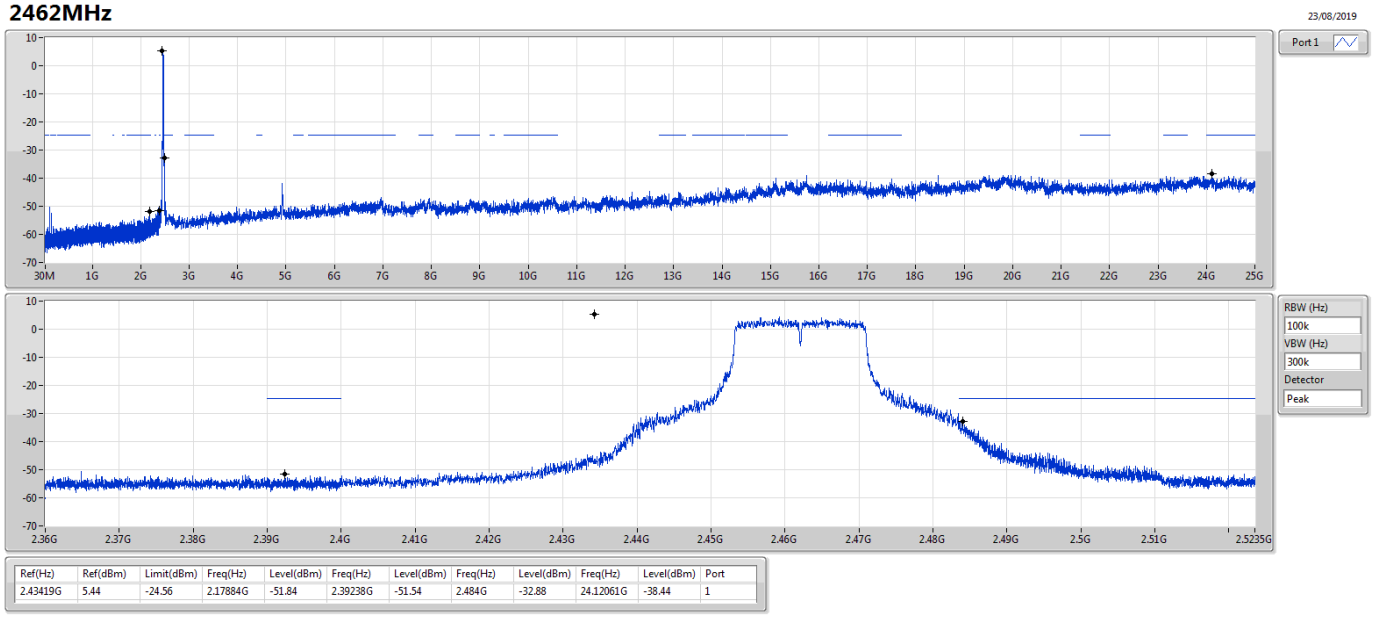
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43419G	5.44	-24.56	2.30554G	-53.20	2.39972G	-45.14	2.48438G	-45.64	24.48023G	-39.04	1

802.11n HT20_Nss1,(MCS0)_1TX **CSE NdB**

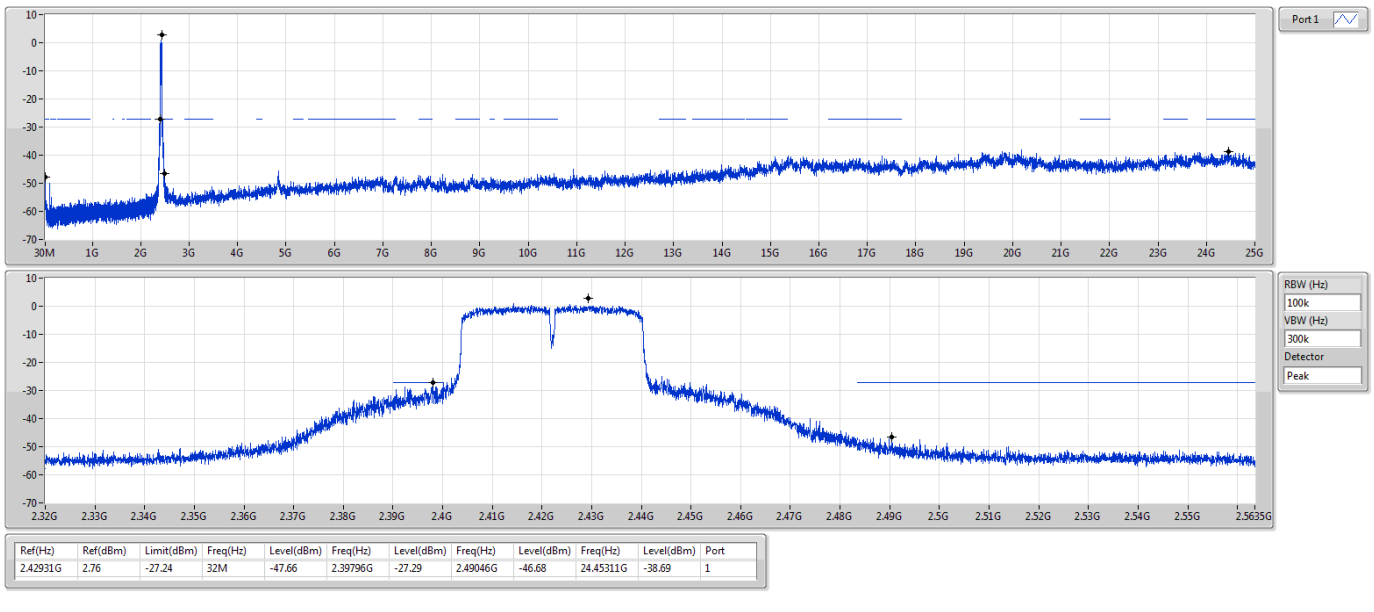
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43419G	5.44	-24.56	2.17884G	-51.84	2.39238G	-51.54	2.484G	-32.88	24.12061G	-38.44	1

802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

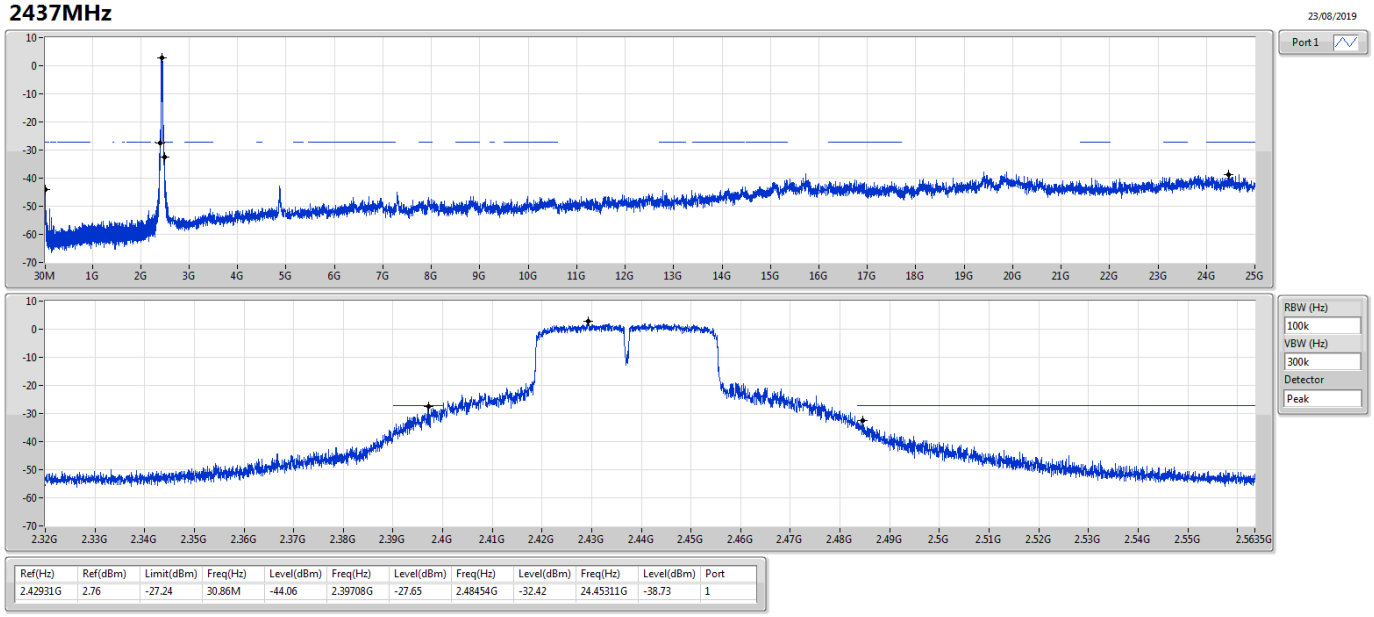
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42931G	2.76	-27.24	32M	-47.66	2.39796G	-27.29	2.49046G	-46.68	24.45311G	-38.69	1

802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

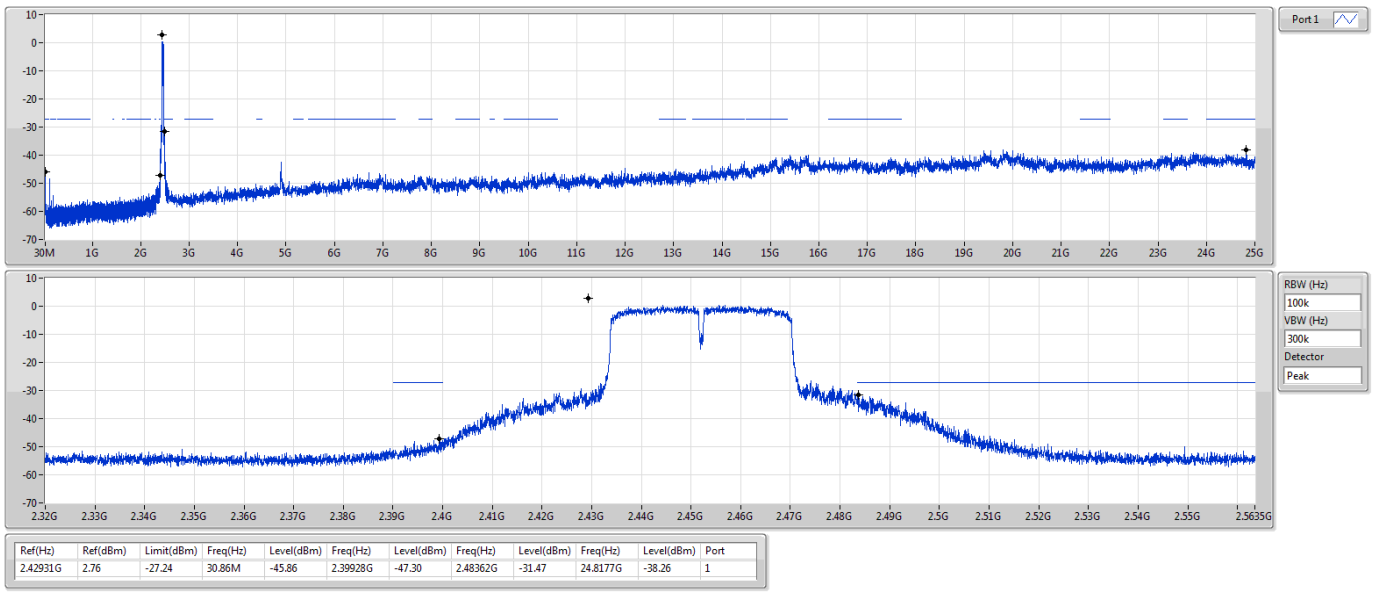
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42931G	2.76	-27.24	30.86M	-44.06	2.39708G	-27.65	2.48454G	-32.42	24.45311G	-38.73	1

802.11n HT40_Nss1,(MCS0)_1TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.42931G	2.76	-27.24	30.86M	-45.86	2.39928G	-47.30	2.48362G	-31.47	24.8177G	-38.26	1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	289.96M	42.08	46.00	-3.92	3	Horizontal	360	1.00	-

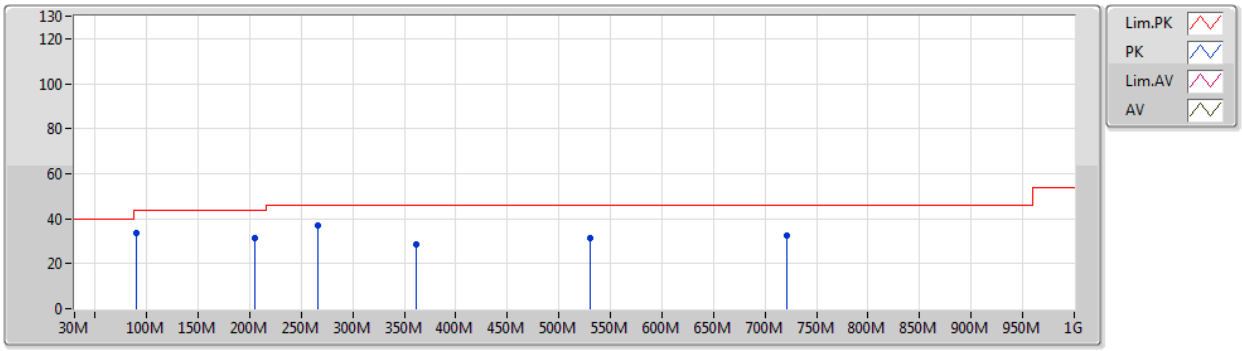
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	90.14M	33.73	43.50	-9.77	3	Vertical	0	1.00	-
2437MHz	Pass	PK	204.6M	31.15	43.50	-12.35	3	Vertical	0	1.00	-
2437MHz	Pass	PK	266.68M	37.04	46.00	-8.96	3	Vertical	0	1.00	-
2437MHz	Pass	PK	361.74M	28.56	46.00	-17.44	3	Vertical	0	1.00	-
2437MHz	Pass	PK	530.52M	31.55	46.00	-14.45	3	Vertical	0	1.00	-
2437MHz	Pass	PK	720.64M	32.44	46.00	-13.56	3	Vertical	0	1.00	-
2437MHz	Pass	PK	123.12M	36.97	43.50	-6.53	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	204.6M	31.98	43.50	-11.52	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	289.96M	42.08	46.00	-3.92	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	480.08M	30.21	46.00	-15.79	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	532.46M	33.30	46.00	-12.70	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	720.64M	32.79	46.00	-13.21	3	Horizontal	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_USB

10/09/2019

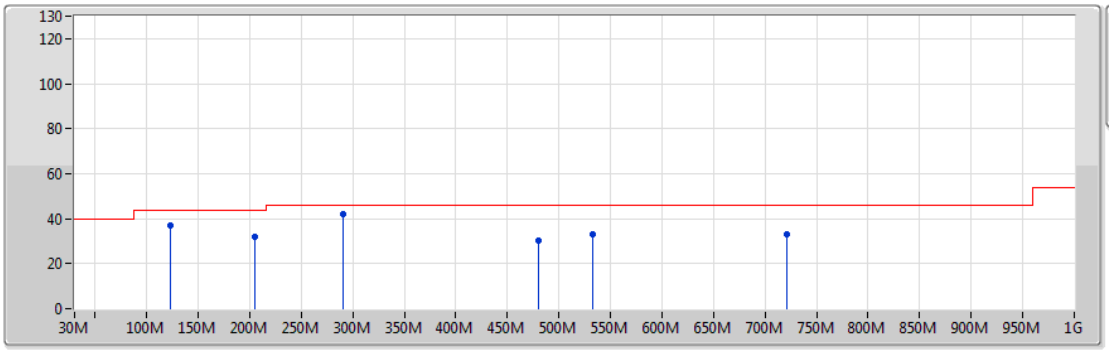


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	90.14M	33.73	43.50	-9.77	-12.52	3	Vertical	0	1.00	-	46.25	13.84	1.39	27.75
PK	204.6M	31.15	43.50	-12.35	-10.57	3	Vertical	0	1.00	-	41.72	14.42	2.38	27.37
PK	266.68M	37.04	46.00	-8.96	-5.94	3	Vertical	0	1.00	-	42.98	18.45	2.79	27.18
PK	361.74M	28.56	46.00	-17.44	-4.60	3	Vertical	0	1.00	-	33.16	19.86	3.12	27.58
PK	530.52M	31.55	46.00	-14.45	-1.98	3	Vertical	0	1.00	-	33.53	23.09	3.48	28.55
PK	720.64M	32.44	46.00	-13.56	0.09	3	Vertical	0	1.00	-	32.35	24.37	4.08	28.36

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_USB

10/09/2019



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	123.12M	36.97	43.50	-6.53	-8.91	3	Horizontal	360	1.00	-	45.88	17.14	1.67	27.72
PK	204.6M	31.98	43.50	-11.52	-10.57	3	Horizontal	360	1.00	-	42.55	14.42	2.38	27.37
PK	289.96M	42.08	46.00	-3.92	-6.09	3	Horizontal	360	1.00	-	48.17	18.12	2.96	27.17
PK	480.08M	30.21	46.00	-15.79	-2.44	3	Horizontal	360	1.00	-	32.65	22.65	3.28	28.37
PK	532.46M	33.30	46.00	-12.70	-1.89	3	Horizontal	360	1.00	-	35.19	23.18	3.49	28.56
PK	720.64M	32.79	46.00	-13.21	0.09	3	Horizontal	360	1.00	-	32.70	24.37	4.08	28.36

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	4.824G	53.97	54.00	-0.03	3	Horizontal	308	1.00	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.75	54.00	-0.25	3	Horizontal	191	1.88	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.96	54.00	-0.04	3	Horizontal	190	1.89	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Horizontal	190	1.86	-

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	2.3702G	44.20	54.00	-9.80	3	Vertical	164	1.09	-
2412MHz	Pass	AV	2.4112G	77.69	Inf	-Inf	3	Vertical	164	1.09	-
2412MHz	Pass	PK	2.367G	56.72	74.00	-17.28	3	Vertical	164	1.09	-
2412MHz	Pass	PK	2.411G	81.85	Inf	-Inf	3	Vertical	164	1.09	-
2412MHz	Pass	AV	2.3658G	44.21	54.00	-9.79	3	Horizontal	189	1.89	-
2412MHz	Pass	AV	2.4138G	76.84	Inf	-Inf	3	Horizontal	189	1.89	-
2412MHz	Pass	PK	2.3772G	56.34	74.00	-17.66	3	Horizontal	189	1.89	-
2412MHz	Pass	PK	2.413G	81.07	Inf	-Inf	3	Horizontal	189	1.89	-
2412MHz	Pass	AV	4.824G	47.33	54.00	-6.67	3	Vertical	108	1.03	-
2412MHz	Pass	PK	4.82406G	50.68	74.00	-23.32	3	Vertical	108	1.03	-
2412MHz	Pass	AV	4.824G	53.97	54.00	-0.03	3	Horizontal	308	1.00	-
2412MHz	Pass	PK	4.82394G	56.15	74.00	-17.85	3	Horizontal	308	1.00	-
2437MHz	Pass	AV	2.3494G	44.21	54.00	-9.79	3	Vertical	167	1.22	-
2437MHz	Pass	AV	2.4378G	78.57	Inf	-Inf	3	Vertical	167	1.22	-
2437MHz	Pass	AV	2.4998G	44.67	54.00	-9.33	3	Vertical	167	1.22	-
2437MHz	Pass	PK	2.351G	56.63	74.00	-17.37	3	Vertical	167	1.22	-
2437MHz	Pass	PK	2.4378G	82.75	Inf	-Inf	3	Vertical	167	1.22	-
2437MHz	Pass	PK	2.4874G	56.50	74.00	-17.50	3	Vertical	167	1.22	-
2437MHz	Pass	AV	2.349G	44.21	54.00	-9.79	3	Horizontal	189	1.94	-
2437MHz	Pass	AV	2.4362G	78.54	Inf	-Inf	3	Horizontal	189	1.94	-
2437MHz	Pass	AV	2.4974G	44.67	54.00	-9.33	3	Horizontal	189	1.94	-
2437MHz	Pass	PK	2.371G	57.06	74.00	-16.94	3	Horizontal	189	1.94	-
2437MHz	Pass	PK	2.4362G	82.43	Inf	-Inf	3	Horizontal	189	1.94	-
2437MHz	Pass	PK	2.4862G	57.02	74.00	-16.98	3	Horizontal	189	1.94	-
2437MHz	Pass	AV	4.87398G	46.76	54.00	-7.24	3	Vertical	25	1.78	-
2437MHz	Pass	AV	7.31172G	38.38	54.00	-15.62	3	Vertical	193	2.79	-
2437MHz	Pass	PK	4.87398G	50.27	74.00	-23.73	3	Vertical	25	1.78	-
2437MHz	Pass	PK	7.31172G	49.86	74.00	-24.14	3	Vertical	193	2.79	-
2437MHz	Pass	AV	4.87398G	52.29	54.00	-1.71	3	Horizontal	309	1.10	-
2437MHz	Pass	AV	7.31028G	39.08	54.00	-14.92	3	Horizontal	75	1.01	-
2437MHz	Pass	PK	4.87399G	54.81	74.00	-19.19	3	Horizontal	309	1.10	-
2437MHz	Pass	PK	7.31154G	50.76	74.00	-23.24	3	Horizontal	75	1.01	-
2462MHz	Pass	AV	2.4612G	79.67	Inf	-Inf	3	Vertical	165	1.02	-
2462MHz	Pass	AV	2.5G	44.69	54.00	-9.31	3	Vertical	165	1.02	-
2462MHz	Pass	PK	2.461G	83.77	Inf	-Inf	3	Vertical	165	1.02	-
2462MHz	Pass	PK	2.4962G	56.62	74.00	-17.38	3	Vertical	165	1.02	-
2462MHz	Pass	AV	2.4612G	81.00	Inf	-Inf	3	Horizontal	190	1.87	-
2462MHz	Pass	AV	2.4998G	44.71	54.00	-9.29	3	Horizontal	190	1.87	-
2462MHz	Pass	PK	2.463G	85.38	Inf	-Inf	3	Horizontal	190	1.87	-
2462MHz	Pass	PK	2.4836G	57.73	74.00	-16.27	3	Horizontal	190	1.87	-
2462MHz	Pass	AV	4.92399G	49.01	54.00	-4.99	3	Vertical	17	1.96	-
2462MHz	Pass	AV	7.38672G	38.50	54.00	-15.50	3	Vertical	192	2.95	-
2462MHz	Pass	PK	4.92399G	52.25	74.00	-21.75	3	Vertical	17	1.96	-
2462MHz	Pass	PK	7.38576G	50.82	74.00	-23.18	3	Vertical	192	2.95	-
2462MHz	Pass	AV	4.92397G	53.79	54.00	-0.21	3	Horizontal	307	1.21	-
2462MHz	Pass	AV	7.3869G	37.48	54.00	-16.52	3	Horizontal	327	2.53	-
2462MHz	Pass	PK	4.92395G	56.17	74.00	-17.83	3	Horizontal	307	1.21	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	7.38666G	50.09	74.00	-23.91	3	Horizontal	327	2.53	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	49.92	54.00	-4.08	3	Vertical	165	1.08	-
2412MHz	Pass	AV	2.4096G	81.49	Inf	-Inf	3	Vertical	165	1.08	-
2412MHz	Pass	PK	2.3896G	64.58	74.00	-9.42	3	Vertical	165	1.08	-
2412MHz	Pass	PK	2.415G	91.19	Inf	-Inf	3	Vertical	165	1.08	-
2412MHz	Pass	AV	2.39G	48.33	54.00	-5.67	3	Horizontal	36	1.02	-
2412MHz	Pass	AV	2.4172G	77.69	Inf	-Inf	3	Horizontal	36	1.02	-
2412MHz	Pass	PK	2.3898G	62.51	74.00	-11.49	3	Horizontal	36	1.02	-
2412MHz	Pass	PK	2.416G	87.89	Inf	-Inf	3	Horizontal	36	1.02	-
2412MHz	Pass	AV	4.82412G	50.21	54.00	-3.79	3	Vertical	108	1.03	-
2412MHz	Pass	PK	4.82466G	63.27	74.00	-10.73	3	Vertical	108	1.03	-
2412MHz	Pass	AV	4.82406G	51.36	54.00	-2.64	3	Horizontal	290	1.19	-
2412MHz	Pass	PK	4.8246G	64.12	74.00	-9.88	3	Horizontal	290	1.19	-
2437MHz	Pass	AV	2.3898G	44.51	54.00	-9.49	3	Vertical	168	1.22	-
2437MHz	Pass	AV	2.4422G	82.88	Inf	-Inf	3	Vertical	168	1.22	-
2437MHz	Pass	AV	2.4835G	45.04	54.00	-8.96	3	Vertical	168	1.22	-
2437MHz	Pass	PK	2.3858G	57.33	74.00	-16.67	3	Vertical	168	1.22	-
2437MHz	Pass	PK	2.4402G	92.83	Inf	-Inf	3	Vertical	168	1.22	-
2437MHz	Pass	PK	2.4862G	58.15	74.00	-15.85	3	Vertical	168	1.22	-
2437MHz	Pass	AV	2.389G	44.30	54.00	-9.70	3	Horizontal	32	1.00	-
2437MHz	Pass	AV	2.4422G	79.68	Inf	-Inf	3	Horizontal	32	1.00	-
2437MHz	Pass	AV	2.4838G	44.82	54.00	-9.18	3	Horizontal	32	1.00	-
2437MHz	Pass	PK	2.337G	56.58	74.00	-17.42	3	Horizontal	32	1.00	-
2437MHz	Pass	PK	2.4398G	89.62	Inf	-Inf	3	Horizontal	32	1.00	-
2437MHz	Pass	PK	2.4954G	56.79	74.00	-17.21	3	Horizontal	32	1.00	-
2437MHz	Pass	AV	4.87412G	51.12	54.00	-2.88	3	Vertical	104	1.14	-
2437MHz	Pass	AV	7.30986G	46.82	54.00	-7.18	3	Vertical	190	2.90	-
2437MHz	Pass	PK	4.8746G	64.97	74.00	-9.03	3	Vertical	104	1.14	-
2437MHz	Pass	PK	7.31076G	59.75	74.00	-14.25	3	Vertical	190	2.90	-
2437MHz	Pass	AV	4.87412G	50.37	54.00	-3.63	3	Horizontal	289	1.17	-
2437MHz	Pass	AV	7.30974G	45.42	54.00	-8.58	3	Horizontal	324	1.20	-
2437MHz	Pass	PK	4.87454G	63.81	74.00	-10.19	3	Horizontal	289	1.17	-
2437MHz	Pass	PK	7.31094G	58.10	74.00	-15.90	3	Horizontal	324	1.20	-
2457MHz	Pass	AV	2.452G	82.15	Inf	-Inf	3	Vertical	169	1.64	-
2457MHz	Pass	AV	2.4835G	49.16	54.00	-4.84	3	Vertical	169	1.64	-
2457MHz	Pass	PK	2.4506G	92.11	Inf	-Inf	3	Vertical	169	1.64	-
2457MHz	Pass	PK	2.4838G	62.61	74.00	-11.39	3	Vertical	169	1.64	-
2457MHz	Pass	AV	2.4604G	83.40	Inf	-Inf	3	Horizontal	188	2.66	-
2457MHz	Pass	AV	2.4835G	49.66	54.00	-4.34	3	Horizontal	188	2.66	-
2457MHz	Pass	PK	2.4602G	93.48	Inf	-Inf	3	Horizontal	188	2.66	-
2457MHz	Pass	PK	2.4838G	62.73	74.00	-11.27	3	Horizontal	188	2.66	-
2462MHz	Pass	AV	2.457G	82.47	Inf	-Inf	3	Vertical	165	1.09	-
2462MHz	Pass	AV	2.4835G	51.55	54.00	-2.45	3	Vertical	165	1.09	-
2462MHz	Pass	PK	2.4556G	92.41	Inf	-Inf	3	Vertical	165	1.09	-
2462MHz	Pass	PK	2.4835G	64.25	74.00	-9.75	3	Vertical	165	1.09	-
2462MHz	Pass	AV	2.4652G	83.74	Inf	-Inf	3	Horizontal	191	1.88	-
2462MHz	Pass	AV	2.4835G	53.75	54.00	-0.25	3	Horizontal	191	1.88	-
2462MHz	Pass	PK	2.465G	93.94	Inf	-Inf	3	Horizontal	191	1.88	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4835G	67.51	74.00	-6.49	3	Horizontal	191	1.88	-
2462MHz	Pass	AV	4.92406G	50.84	54.00	-3.16	3	Vertical	105	1.17	-
2462MHz	Pass	AV	7.3833G	46.41	54.00	-7.59	3	Vertical	193	1.50	-
2462MHz	Pass	PK	4.9246G	64.48	74.00	-9.52	3	Vertical	105	1.17	-
2462MHz	Pass	PK	7.38576G	59.48	74.00	-14.52	3	Vertical	193	1.50	-
2462MHz	Pass	AV	4.92406G	50.55	54.00	-3.45	3	Horizontal	322	1.05	-
2462MHz	Pass	AV	7.38342G	46.63	54.00	-7.37	3	Horizontal	340	2.48	-
2462MHz	Pass	PK	4.92466G	64.35	74.00	-9.65	3	Horizontal	322	1.05	-
2462MHz	Pass	PK	7.38582G	59.34	74.00	-14.66	3	Horizontal	340	2.48	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.62	54.00	-2.38	3	Vertical	167	1.08	-
2412MHz	Pass	AV	2.4088G	81.48	Inf	-Inf	3	Vertical	167	1.08	-
2412MHz	Pass	PK	2.39G	68.98	74.00	-5.02	3	Vertical	167	1.08	-
2412MHz	Pass	PK	2.4082G	91.22	Inf	-Inf	3	Vertical	167	1.08	-
2412MHz	Pass	AV	2.39G	51.14	54.00	-2.86	3	Horizontal	188	1.89	-
2412MHz	Pass	AV	2.4174G	81.76	Inf	-Inf	3	Horizontal	188	1.89	-
2412MHz	Pass	PK	2.3898G	68.32	74.00	-5.68	3	Horizontal	188	1.89	-
2412MHz	Pass	PK	2.417G	91.52	Inf	-Inf	3	Horizontal	188	1.89	-
2412MHz	Pass	AV	4.824G	49.20	54.00	-4.80	3	Vertical	106	1.04	-
2412MHz	Pass	PK	4.8222G	64.09	74.00	-9.91	3	Vertical	106	1.04	-
2412MHz	Pass	AV	4.82406G	50.60	54.00	-3.40	3	Horizontal	292	1.20	-
2412MHz	Pass	PK	4.82226G	65.10	74.00	-8.90	3	Horizontal	292	1.20	-
2437MHz	Pass	AV	2.3898G	44.57	54.00	-9.43	3	Vertical	165	1.21	-
2437MHz	Pass	AV	2.4422G	82.29	Inf	-Inf	3	Vertical	165	1.21	-
2437MHz	Pass	AV	2.4835G	45.04	54.00	-8.96	3	Vertical	165	1.21	-
2437MHz	Pass	PK	2.387G	56.44	74.00	-17.56	3	Vertical	165	1.21	-
2437MHz	Pass	PK	2.4434G	92.06	Inf	-Inf	3	Vertical	165	1.21	-
2437MHz	Pass	PK	2.485G	56.99	74.00	-17.01	3	Vertical	165	1.21	-
2437MHz	Pass	AV	2.3898G	44.49	54.00	-9.51	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	2.4422G	82.43	Inf	-Inf	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	2.4835G	45.15	54.00	-8.85	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.3846G	56.62	74.00	-17.38	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.443G	92.20	Inf	-Inf	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.489G	57.61	74.00	-16.39	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	4.874G	50.04	54.00	-3.96	3	Vertical	109	1.03	-
2437MHz	Pass	AV	7.31202G	45.93	54.00	-8.07	3	Vertical	190	2.91	-
2437MHz	Pass	PK	4.87214G	65.42	74.00	-8.58	3	Vertical	109	1.03	-
2437MHz	Pass	PK	7.3179G	60.09	74.00	-13.91	3	Vertical	190	2.91	-
2437MHz	Pass	AV	4.874G	49.18	54.00	-4.82	3	Horizontal	288	1.16	-
2437MHz	Pass	AV	7.30926G	44.73	54.00	-9.27	3	Horizontal	324	1.19	-
2437MHz	Pass	PK	4.87214G	64.50	74.00	-9.50	3	Horizontal	288	1.16	-
2437MHz	Pass	PK	7.3179G	58.97	74.00	-15.03	3	Horizontal	324	1.19	-
2457MHz	Pass	AV	2.46G	82.77	Inf	-Inf	3	Vertical	165	1.21	-
2457MHz	Pass	AV	2.4835G	49.14	54.00	-4.86	3	Vertical	165	1.21	-
2457MHz	Pass	PK	2.4584G	92.43	Inf	-Inf	3	Vertical	165	1.21	-
2457MHz	Pass	PK	2.4842G	62.80	74.00	-11.20	3	Vertical	165	1.21	-
2457MHz	Pass	AV	2.46G	83.20	Inf	-Inf	3	Horizontal	190	1.89	-
2457MHz	Pass	AV	2.4835G	50.16	54.00	-3.84	3	Horizontal	190	1.89	-
2457MHz	Pass	PK	2.4588G	92.91	Inf	-Inf	3	Horizontal	190	1.89	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4835G	64.64	74.00	-9.36	3	Horizontal	190	1.89	-
2462MHz	Pass	AV	2.4562G	81.62	Inf	-Inf	3	Vertical	170	1.64	-
2462MHz	Pass	AV	2.4835G	52.28	54.00	-1.72	3	Vertical	170	1.64	-
2462MHz	Pass	PK	2.459G	91.29	Inf	-Inf	3	Vertical	170	1.64	-
2462MHz	Pass	PK	2.4835G	68.19	74.00	-5.81	3	Vertical	170	1.64	-
2462MHz	Pass	AV	2.4652G	83.32	Inf	-Inf	3	Horizontal	190	1.89	-
2462MHz	Pass	AV	2.4835G	53.96	54.00	-0.04	3	Horizontal	190	1.89	-
2462MHz	Pass	PK	2.4638G	92.72	Inf	-Inf	3	Horizontal	190	1.89	-
2462MHz	Pass	PK	2.4835G	69.43	74.00	-4.57	3	Horizontal	190	1.89	-
2462MHz	Pass	AV	4.924G	50.59	54.00	-3.41	3	Vertical	105	1.16	-
2462MHz	Pass	AV	7.3815G	47.12	54.00	-6.88	3	Vertical	188	2.97	-
2462MHz	Pass	PK	4.92226G	65.90	74.00	-8.10	3	Vertical	105	1.16	-
2462MHz	Pass	PK	7.3818G	61.06	74.00	-12.94	3	Vertical	188	2.97	-
2462MHz	Pass	AV	4.924G	50.57	54.00	-3.43	3	Horizontal	322	1.04	-
2462MHz	Pass	AV	7.38156G	46.80	54.00	-7.20	3	Horizontal	337	2.47	-
2462MHz	Pass	PK	4.92232G	65.57	74.00	-8.43	3	Horizontal	322	1.04	-
2462MHz	Pass	PK	7.3929G	61.64	74.00	-12.36	3	Horizontal	337	2.47	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.40	54.00	-0.60	3	Vertical	167	1.00	-
2422MHz	Pass	AV	2.4276G	78.50	Inf	-Inf	3	Vertical	167	1.00	-
2422MHz	Pass	AV	2.4835G	46.06	54.00	-7.94	3	Vertical	167	1.00	-
2422MHz	Pass	PK	2.3884G	68.38	74.00	-5.62	3	Vertical	167	1.00	-
2422MHz	Pass	PK	2.4288G	89.10	Inf	-Inf	3	Vertical	167	1.00	-
2422MHz	Pass	PK	2.4856G	59.16	74.00	-14.84	3	Vertical	167	1.00	-
2422MHz	Pass	AV	2.39G	52.83	54.00	-1.17	3	Horizontal	189	1.92	-
2422MHz	Pass	AV	2.4312G	78.20	Inf	-Inf	3	Horizontal	189	1.92	-
2422MHz	Pass	AV	2.4835G	46.39	54.00	-7.61	3	Horizontal	189	1.92	-
2422MHz	Pass	PK	2.3888G	67.24	74.00	-6.76	3	Horizontal	189	1.92	-
2422MHz	Pass	PK	2.4288G	88.56	Inf	-Inf	3	Horizontal	189	1.92	-
2422MHz	Pass	PK	2.4892G	59.71	74.00	-14.29	3	Horizontal	189	1.92	-
2422MHz	Pass	AV	4.84407G	47.04	54.00	-6.96	3	Vertical	107	1.04	-
2422MHz	Pass	AV	7.26124G	42.37	54.00	-11.63	3	Vertical	190	2.93	-
2422MHz	Pass	PK	4.84385G	60.18	74.00	-13.82	3	Vertical	107	1.04	-
2422MHz	Pass	PK	7.26742G	56.06	74.00	-17.94	3	Vertical	190	2.93	-
2422MHz	Pass	AV	4.84404G	48.10	54.00	-5.90	3	Horizontal	290	1.04	-
2422MHz	Pass	AV	7.2612G	41.80	54.00	-12.20	3	Horizontal	325	1.19	-
2422MHz	Pass	PK	4.8441G	60.50	74.00	-13.50	3	Horizontal	290	1.04	-
2422MHz	Pass	PK	7.26548G	55.37	74.00	-18.63	3	Horizontal	325	1.19	-
2427MHz	Pass	AV	2.3898G	52.55	54.00	-1.45	3	Vertical	71	1.17	-
2427MHz	Pass	AV	2.4326G	78.95	Inf	-Inf	3	Vertical	71	1.17	-
2427MHz	Pass	AV	2.4842G	47.05	54.00	-6.95	3	Vertical	71	1.17	-
2427MHz	Pass	PK	2.3886G	66.53	74.00	-7.47	3	Vertical	71	1.17	-
2427MHz	Pass	PK	2.4338G	89.34	Inf	-Inf	3	Vertical	71	1.17	-
2427MHz	Pass	PK	2.4938G	59.50	74.00	-14.50	3	Vertical	71	1.17	-
2427MHz	Pass	AV	2.3898G	52.25	54.00	-1.75	3	Horizontal	188	1.93	-
2427MHz	Pass	AV	2.4346G	78.85	Inf	-Inf	3	Horizontal	188	1.93	-
2427MHz	Pass	AV	2.4838G	47.73	54.00	-6.27	3	Horizontal	188	1.93	-
2427MHz	Pass	PK	2.389G	65.94	74.00	-8.06	3	Horizontal	188	1.93	-
2427MHz	Pass	PK	2.4338G	89.01	Inf	-Inf	3	Horizontal	188	1.93	-

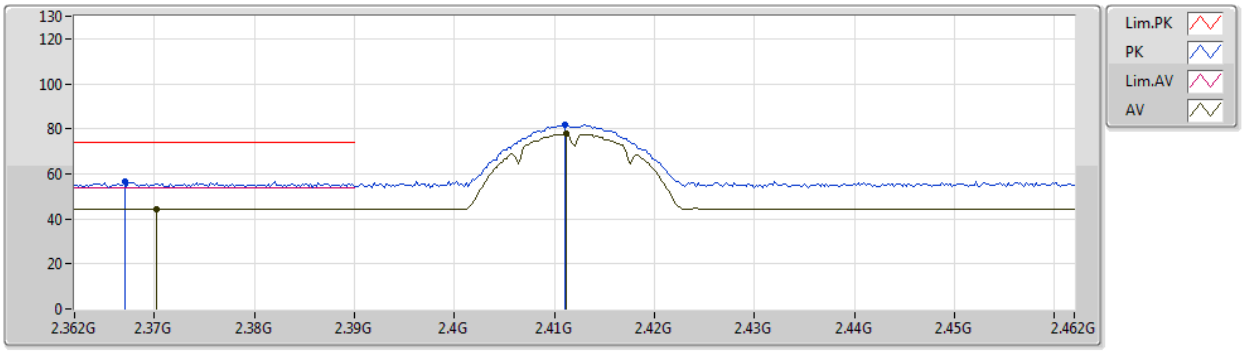
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2427MHz	Pass	PK	2.4858G	59.65	74.00	-14.35	3	Horizontal	188	1.93	-
2437MHz	Pass	AV	2.3898G	47.78	54.00	-6.22	3	Vertical	168	1.23	-
2437MHz	Pass	AV	2.4446G	79.55	Inf	-Inf	3	Vertical	168	1.23	-
2437MHz	Pass	AV	2.4835G	50.97	54.00	-3.03	3	Vertical	168	1.23	-
2437MHz	Pass	PK	2.3894G	60.85	74.00	-13.15	3	Vertical	168	1.23	-
2437MHz	Pass	PK	2.4438G	89.84	Inf	-Inf	3	Vertical	168	1.23	-
2437MHz	Pass	PK	2.4835G	64.31	74.00	-9.69	3	Vertical	168	1.23	-
2437MHz	Pass	AV	2.3894G	47.67	54.00	-6.33	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	2.4446G	79.61	Inf	-Inf	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	2.4835G	51.61	54.00	-2.39	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.389G	60.26	74.00	-13.74	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.4438G	89.88	Inf	-Inf	3	Horizontal	189	1.69	-
2437MHz	Pass	PK	2.4835G	64.87	74.00	-9.13	3	Horizontal	189	1.69	-
2437MHz	Pass	AV	4.8743G	48.59	54.00	-5.41	3	Vertical	105	1.21	-
2437MHz	Pass	AV	7.31358G	44.52	54.00	-9.48	3	Vertical	189	3.00	-
2437MHz	Pass	PK	4.87394G	60.92	74.00	-13.08	3	Vertical	105	1.21	-
2437MHz	Pass	PK	7.31376G	57.21	74.00	-16.79	3	Vertical	189	3.00	-
2437MHz	Pass	AV	4.87408G	48.09	54.00	-5.91	3	Horizontal	288	1.08	-
2437MHz	Pass	AV	7.3062G	43.25	54.00	-10.75	3	Horizontal	323	1.11	-
2437MHz	Pass	PK	4.8739G	60.69	74.00	-13.31	3	Horizontal	288	1.08	-
2437MHz	Pass	PK	7.30524G	55.84	74.00	-18.16	3	Horizontal	323	1.11	-
2447MHz	Pass	AV	2.3894G	45.13	54.00	-8.87	3	Vertical	167	1.23	-
2447MHz	Pass	AV	2.4486G	78.89	Inf	-Inf	3	Vertical	167	1.23	-
2447MHz	Pass	AV	2.485G	52.48	54.00	-1.52	3	Vertical	167	1.23	-
2447MHz	Pass	PK	2.3694G	57.07	74.00	-16.93	3	Vertical	167	1.23	-
2447MHz	Pass	PK	2.4538G	88.91	Inf	-Inf	3	Vertical	167	1.23	-
2447MHz	Pass	PK	2.4835G	66.13	74.00	-7.87	3	Vertical	167	1.23	-
2447MHz	Pass	AV	2.3886G	44.94	54.00	-9.06	3	Horizontal	190	1.86	-
2447MHz	Pass	AV	2.4502G	79.16	Inf	-Inf	3	Horizontal	190	1.86	-
2447MHz	Pass	AV	2.4835G	53.80	54.00	-0.20	3	Horizontal	190	1.86	-
2447MHz	Pass	PK	2.3666G	57.07	74.00	-16.93	3	Horizontal	190	1.86	-
2447MHz	Pass	PK	2.4538G	89.60	Inf	-Inf	3	Horizontal	190	1.86	-
2447MHz	Pass	PK	2.4835G	68.67	74.00	-5.33	3	Horizontal	190	1.86	-
2452MHz	Pass	AV	2.3892G	44.64	54.00	-9.36	3	Vertical	169	1.22	-
2452MHz	Pass	AV	2.4488G	78.10	Inf	-Inf	3	Vertical	169	1.22	-
2452MHz	Pass	AV	2.4835G	52.50	54.00	-1.50	3	Vertical	169	1.22	-
2452MHz	Pass	PK	2.3688G	56.59	74.00	-17.41	3	Vertical	169	1.22	-
2452MHz	Pass	PK	2.4452G	88.36	Inf	-Inf	3	Vertical	169	1.22	-
2452MHz	Pass	PK	2.484G	65.81	74.00	-8.19	3	Vertical	169	1.22	-
2452MHz	Pass	AV	2.3872G	44.62	54.00	-9.38	3	Horizontal	189	1.89	-
2452MHz	Pass	AV	2.4588G	78.45	Inf	-Inf	3	Horizontal	189	1.89	-
2452MHz	Pass	AV	2.4835G	53.16	54.00	-0.84	3	Horizontal	189	1.89	-
2452MHz	Pass	PK	2.382G	56.58	74.00	-17.42	3	Horizontal	189	1.89	-
2452MHz	Pass	PK	2.4588G	88.82	Inf	-Inf	3	Horizontal	189	1.89	-
2452MHz	Pass	PK	2.484G	66.54	74.00	-7.46	3	Horizontal	189	1.89	-
2452MHz	Pass	AV	4.9041G	45.47	54.00	-8.53	3	Vertical	103	1.08	-
2452MHz	Pass	AV	7.35132G	43.36	54.00	-10.64	3	Vertical	191	2.99	-
2452MHz	Pass	PK	4.9045G	58.21	74.00	-15.79	3	Vertical	103	1.08	-
2452MHz	Pass	PK	7.34958G	56.30	74.00	-17.70	3	Vertical	191	2.99	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2452MHz	Pass	AV	4.90398G	45.17	54.00	-8.83	3	Horizontal	282	1.00	-
2452MHz	Pass	AV	7.35984G	43.32	54.00	-10.68	3	Horizontal	338	2.47	-
2452MHz	Pass	PK	4.90424G	57.78	74.00	-16.22	3	Horizontal	282	1.00	-
2452MHz	Pass	PK	7.36662G	56.20	74.00	-17.80	3	Horizontal	338	2.47	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

23/08/2019

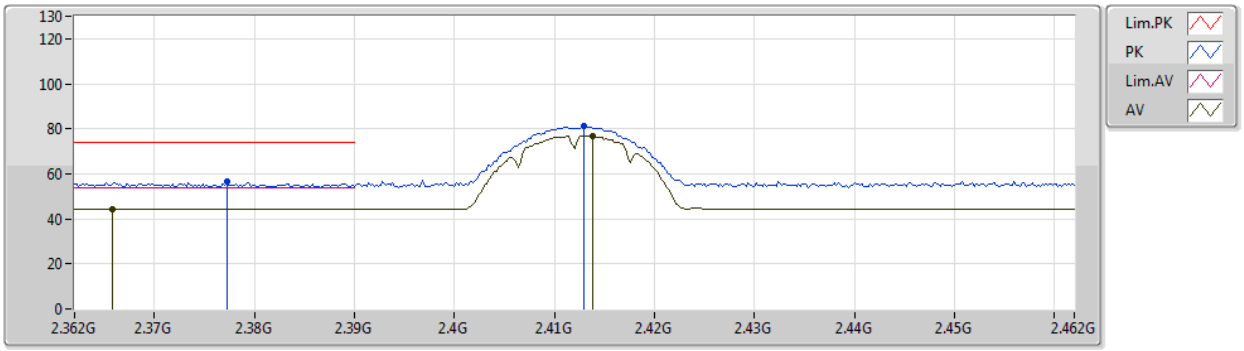


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3702G	44.20	54.00	-9.80	32.01	3	Vertical	164	1.09	-	12.19	27.31	4.70	-
AV	2.4112G	77.69	Inf	-Inf	32.17	3	Vertical	164	1.09	-	45.52	27.43	4.74	-
PK	2.367G	56.72	74.00	-17.28	31.99	3	Vertical	164	1.09	-	24.73	27.30	4.69	-
PK	2.411G	81.85	Inf	-Inf	32.17	3	Vertical	164	1.09	-	49.68	27.43	4.74	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

23/08/2019

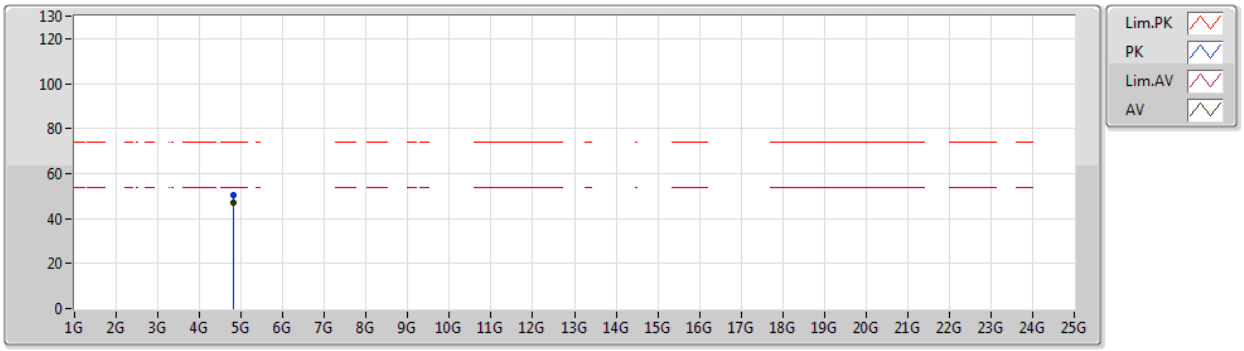


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3658G	44.21	54.00	-9.79	31.99	3	Horizontal	189	1.89	-	12.22	27.30	4.69	-
AV	2.4138G	76.84	Inf	-Inf	32.19	3	Horizontal	189	1.89	-	44.65	27.44	4.75	-
PK	2.3772G	56.34	74.00	-17.66	32.03	3	Horizontal	189	1.89	-	24.31	27.33	4.70	-
PK	2.413G	81.07	Inf	-Inf	32.19	3	Horizontal	189	1.89	-	48.88	27.44	4.75	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

23/08/2019

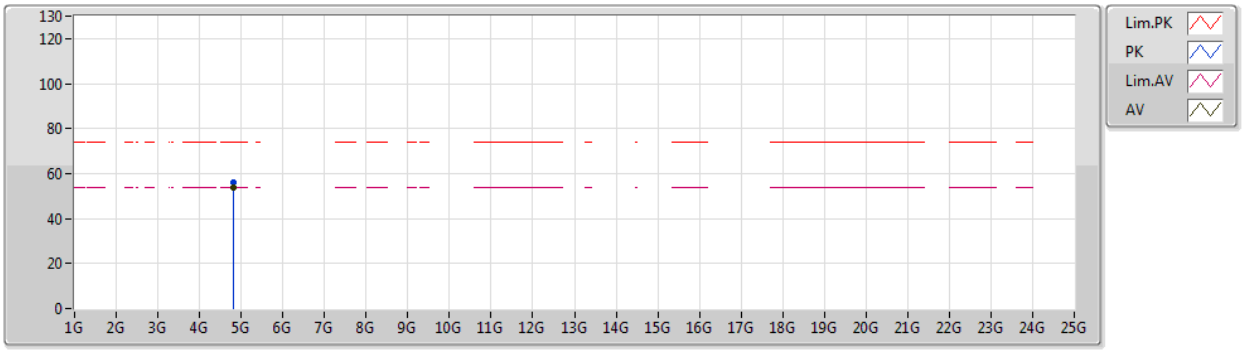


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	47.33	54.00	-6.67	3.69	3	Vertical	108	1.03	-	43.64	31.38	6.79	34.48
PK	4.82406G	50.68	74.00	-23.32	3.69	3	Vertical	108	1.03	-	46.99	31.38	6.79	34.48

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

23/08/2019

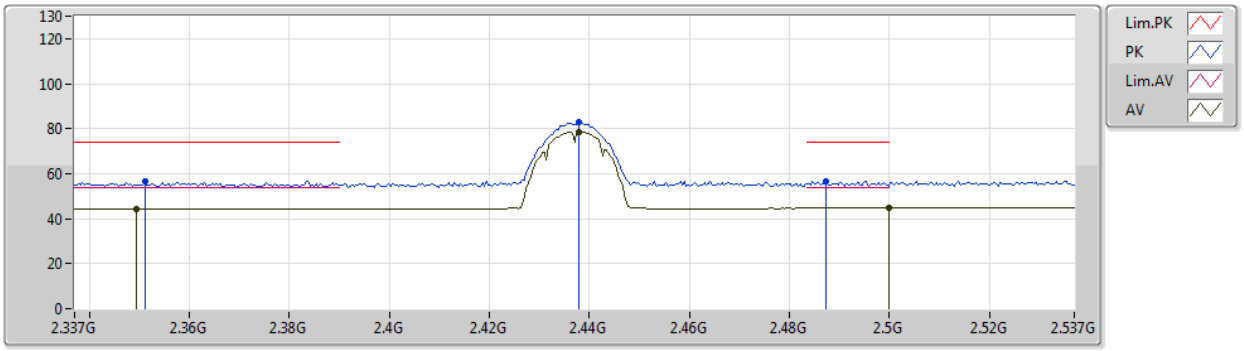


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	53.97	54.00	-0.03	3.69	3	Horizontal	308	1.00	-	50.28	31.38	6.79	34.48
PK	4.82394G	56.15	74.00	-17.85	3.69	3	Horizontal	308	1.00	-	52.46	31.38	6.79	34.48

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

23/08/2019

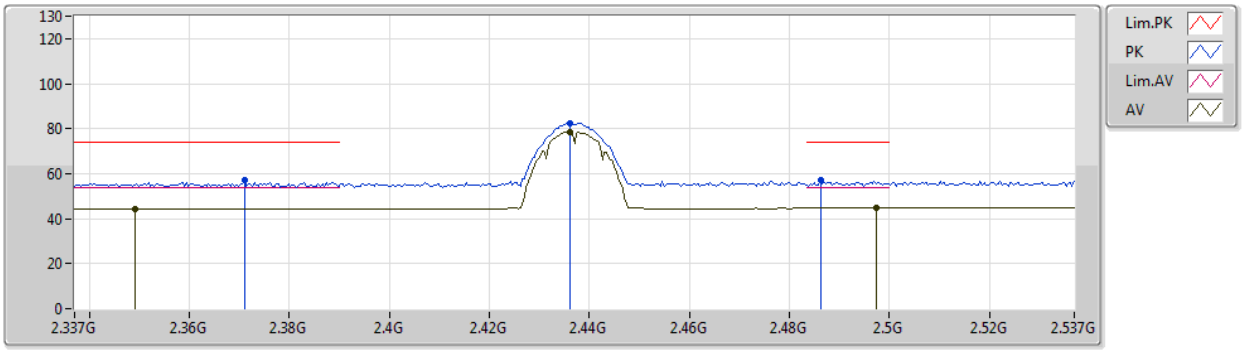


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3494G	44.21	54.00	-9.79	31.92	3	Vertical	167	1.22	-	12.29	27.25	4.67	-
AV	2.4378G	78.57	Inf	-Inf	32.28	3	Vertical	167	1.22	-	46.29	27.51	4.77	-
AV	2.4998G	44.67	54.00	-9.33	32.55	3	Vertical	167	1.22	-	12.12	27.70	4.85	-
PK	2.351G	56.63	74.00	-17.37	31.92	3	Vertical	167	1.22	-	24.71	27.25	4.67	-
PK	2.4378G	82.75	Inf	-Inf	32.28	3	Vertical	167	1.22	-	50.47	27.51	4.77	-
PK	2.4874G	56.50	74.00	-17.50	32.49	3	Vertical	167	1.22	-	24.01	27.66	4.83	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

23/08/2019

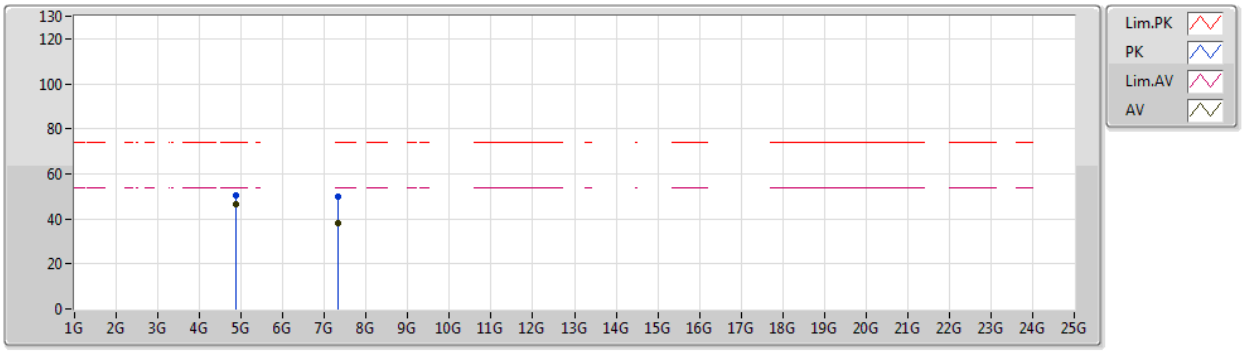


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.349G	44.21	54.00	-9.79	31.92	3	Horizontal	189	1.94	-	12.29	27.25	4.67	-
AV	2.4362G	78.54	Inf	-Inf	32.28	3	Horizontal	189	1.94	-	46.26	27.51	4.77	-
AV	2.4974G	44.67	54.00	-9.33	32.53	3	Horizontal	189	1.94	-	12.14	27.69	4.84	-
PK	2.371G	57.06	74.00	-16.94	32.01	3	Horizontal	189	1.94	-	25.05	27.31	4.70	-
PK	2.4362G	82.43	Inf	-Inf	32.28	3	Horizontal	189	1.94	-	50.15	27.51	4.77	-
PK	2.4862G	57.02	74.00	-16.98	32.49	3	Horizontal	189	1.94	-	24.53	27.66	4.83	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

23/08/2019

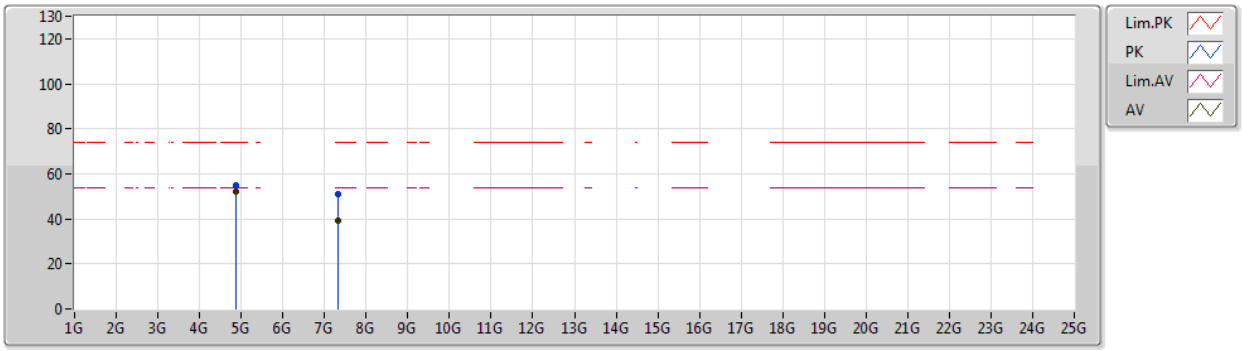


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87398G	46.76	54.00	-7.24	3.81	3	Vertical	25	1.78	-	42.95	31.47	6.81	34.47
AV	7.31172G	38.38	54.00	-15.62	9.88	3	Vertical	193	2.79	-	28.50	36.01	8.61	34.74
PK	4.87398G	50.27	74.00	-23.73	3.81	3	Vertical	25	1.78	-	46.46	31.47	6.81	34.47
PK	7.31172G	49.86	74.00	-24.14	9.88	3	Vertical	193	2.79	-	39.98	36.01	8.61	34.74

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

23/08/2019

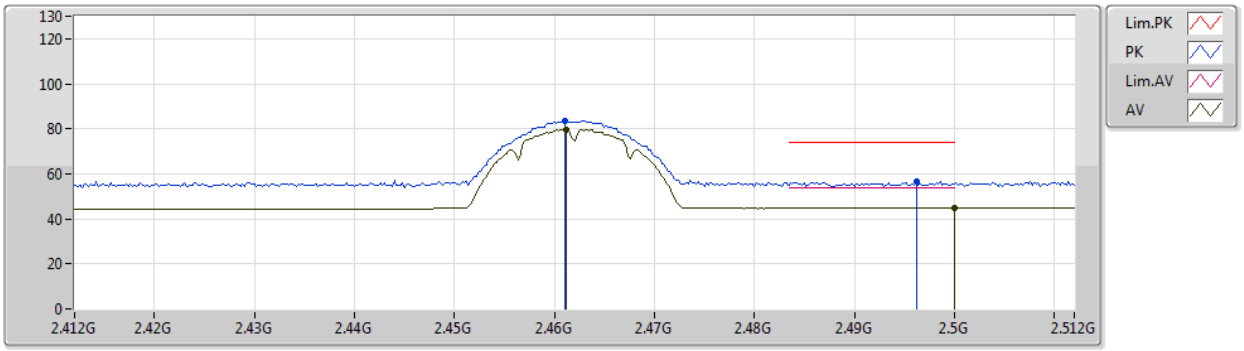


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87398G	52.29	54.00	-1.71	3.81	3	Horizontal	309	1.10	-	48.48	31.47	6.81	34.47
AV	7.31028G	39.08	54.00	-14.92	9.88	3	Horizontal	75	1.01	-	29.20	36.01	8.61	34.74
PK	4.87399G	54.81	74.00	-19.19	3.81	3	Horizontal	309	1.10	-	51.00	31.47	6.81	34.47
PK	7.31154G	50.76	74.00	-23.24	9.88	3	Horizontal	75	1.01	-	40.88	36.01	8.61	34.74

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

23/08/2019

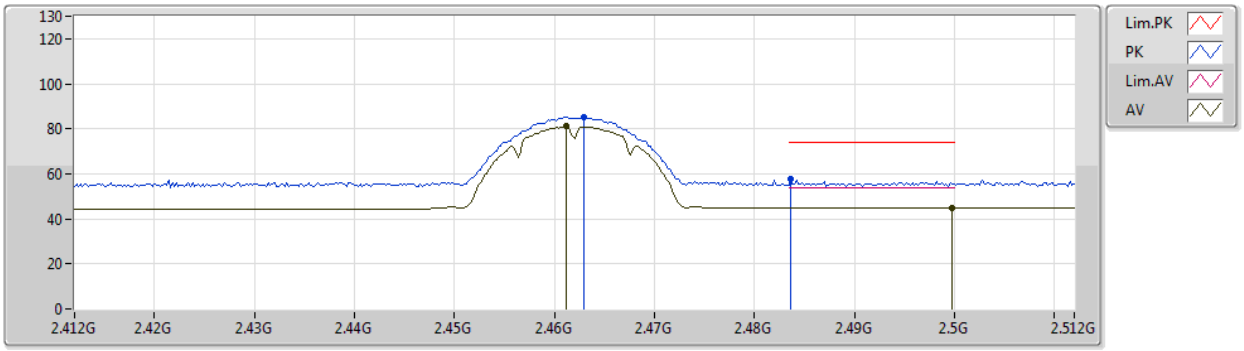


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	79.67	Inf	-Inf	32.38	3	Vertical	165	1.02	-	47.29	27.58	4.80	-
AV	2.5G	44.69	54.00	-9.31	32.55	3	Vertical	165	1.02	-	12.14	27.70	4.85	-
PK	2.461G	83.77	Inf	-Inf	32.38	3	Vertical	165	1.02	-	51.39	27.58	4.80	-
PK	2.4962G	56.62	74.00	-17.38	32.53	3	Vertical	165	1.02	-	24.09	27.69	4.84	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

23/08/2019

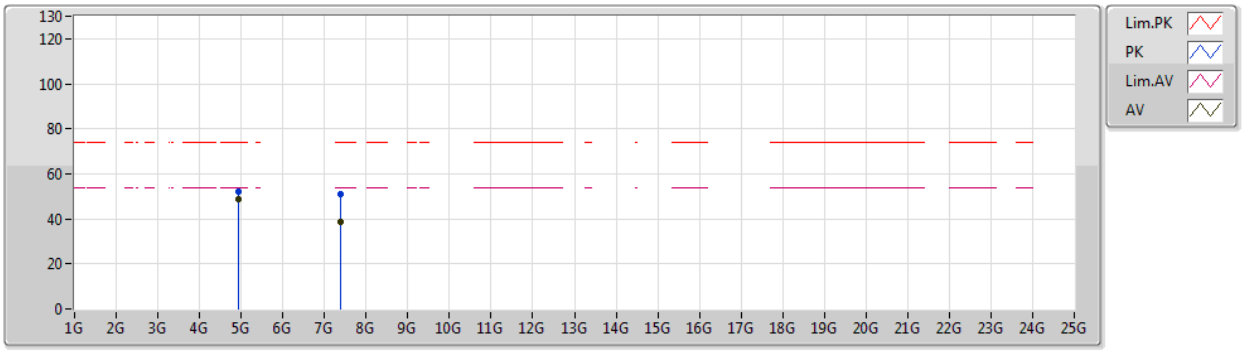


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4612G	81.00	Inf	-Inf	32.38	3	Horizontal	190	1.87	-	48.62	27.58	4.80	-
AV	2.4998G	44.71	54.00	-9.29	32.55	3	Horizontal	190	1.87	-	12.16	27.70	4.85	-
PK	2.463G	85.38	Inf	-Inf	32.39	3	Horizontal	190	1.87	-	52.99	27.59	4.80	-
PK	2.4836G	57.73	74.00	-16.27	32.48	3	Horizontal	190	1.87	-	25.25	27.65	4.83	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

23/08/2019

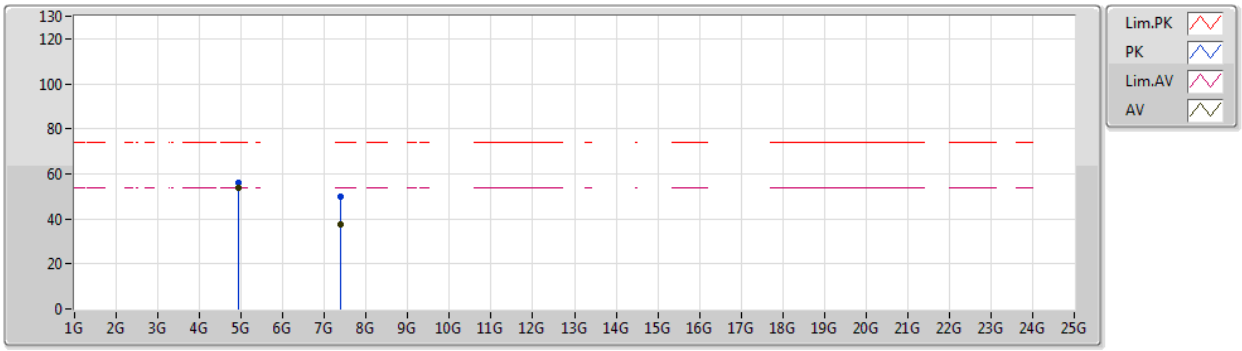


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92399G	49.01	54.00	-4.99	3.93	3	Vertical	17	1.96	-	45.08	31.56	6.82	34.45
AV	7.38672G	38.50	54.00	-15.50	10.09	3	Vertical	192	2.95	-	28.41	36.21	8.65	34.77
PK	4.92399G	52.25	74.00	-21.75	3.93	3	Vertical	17	1.96	-	48.32	31.56	6.82	34.45
PK	7.38576G	50.82	74.00	-23.18	10.08	3	Vertical	192	2.95	-	40.74	36.20	8.65	34.77

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

23/08/2019

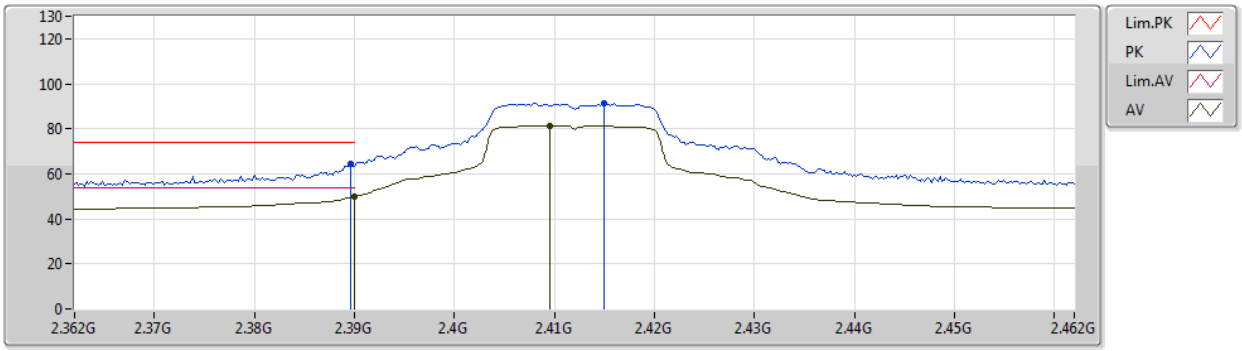


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92397G	53.79	54.00	-0.21	3.93	3	Horizontal	307	1.21	-	49.86	31.56	6.82	34.45
AV	7.3869G	37.48	54.00	-16.52	10.09	3	Horizontal	327	2.53	-	27.39	36.21	8.65	34.77
PK	4.92395G	56.17	74.00	-17.83	3.93	3	Horizontal	307	1.21	-	52.24	31.56	6.82	34.45
PK	7.38666G	50.09	74.00	-23.91	10.09	3	Horizontal	327	2.53	-	40.00	36.21	8.65	34.77

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

23/08/2019

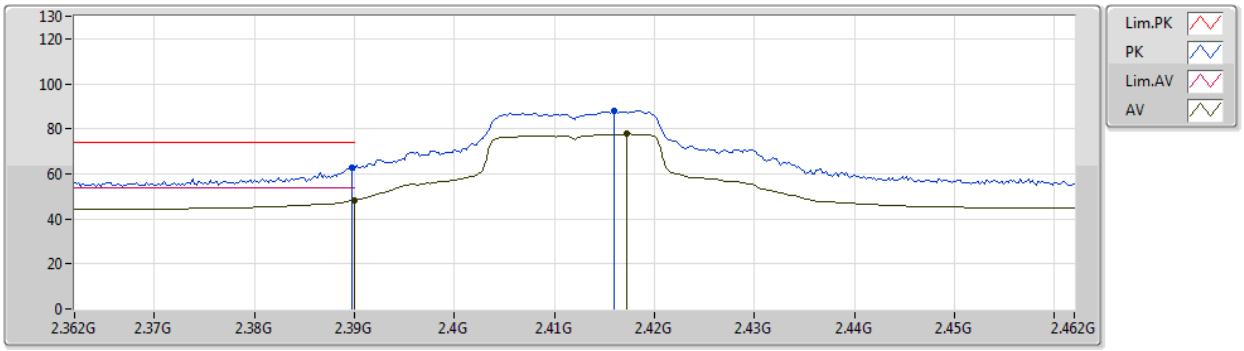


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.92	54.00	-4.08	32.09	3	Vertical	165	1.08	-	17.83	27.37	4.72	-
AV	2.4096G	81.49	Inf	-Inf	32.17	3	Vertical	165	1.08	-	49.32	27.43	4.74	-
PK	2.3896G	64.58	74.00	-9.42	32.09	3	Vertical	165	1.08	-	32.49	27.37	4.72	-
PK	2.415G	91.19	Inf	-Inf	32.20	3	Vertical	165	1.08	-	58.99	27.45	4.75	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

23/08/2019

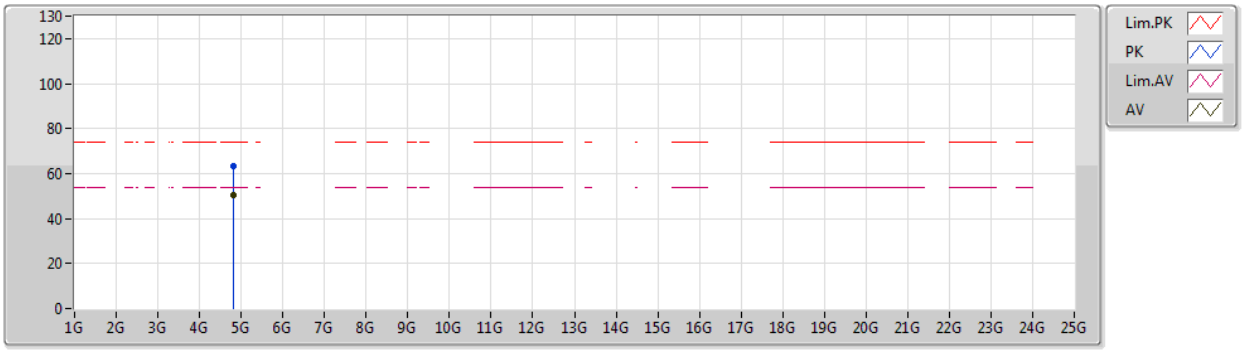


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	48.33	54.00	-5.67	32.09	3	Horizontal	36	1.02	-	16.24	27.37	4.72	-
AV	2.4172G	77.69	Inf	-Inf	32.20	3	Horizontal	36	1.02	-	45.49	27.45	4.75	-
PK	2.3898G	62.51	74.00	-11.49	32.09	3	Horizontal	36	1.02	-	30.42	27.37	4.72	-
PK	2.416G	87.89	Inf	-Inf	32.20	3	Horizontal	36	1.02	-	55.69	27.45	4.75	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

23/08/2019

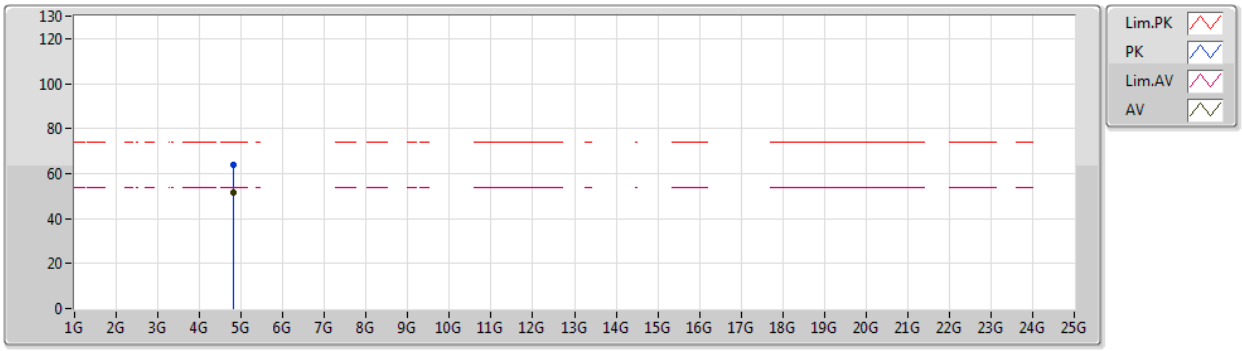


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82412G	50.21	54.00	-3.79	3.69	3	Vertical	108	1.03	-	46.52	31.38	6.79	34.48
PK	4.82466G	63.27	74.00	-10.73	3.69	3	Vertical	108	1.03	-	59.58	31.38	6.79	34.48

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

23/08/2019

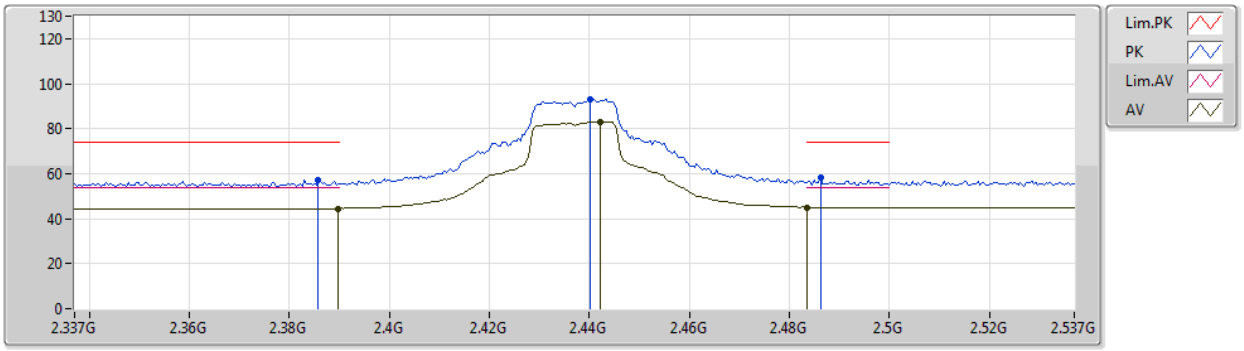


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82406G	51.36	54.00	-2.64	3.69	3	Horizontal	290	1.19	-	47.67	31.38	6.79	34.48
PK	4.8246G	64.12	74.00	-9.88	3.69	3	Horizontal	290	1.19	-	60.43	31.38	6.79	34.48

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

23/08/2019

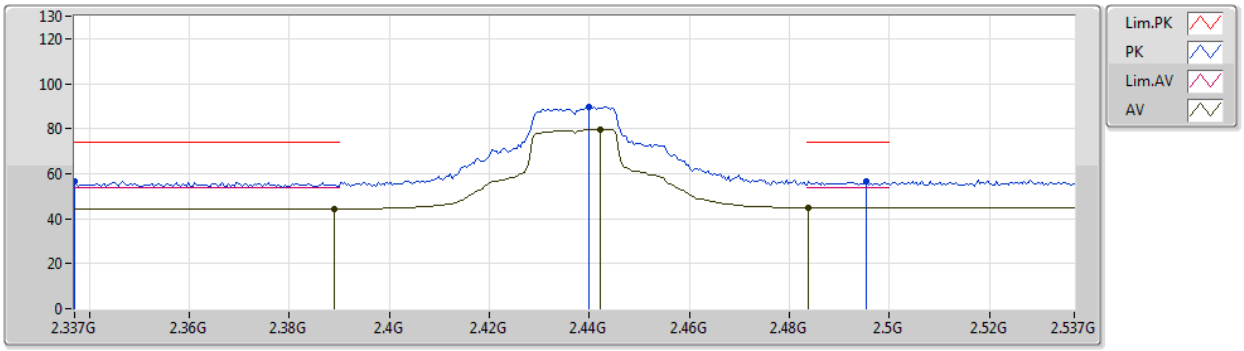


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	44.51	54.00	-9.49	32.09	3	Vertical	168	1.22	-	12.42	27.37	4.72	-
AV	2.4422G	82.88	Inf	-Inf	32.31	3	Vertical	168	1.22	-	50.57	27.53	4.78	-
AV	2.4835G	45.04	54.00	-8.96	32.48	3	Vertical	168	1.22	-	12.56	27.65	4.83	-
PK	2.3858G	57.33	74.00	-16.67	32.07	3	Vertical	168	1.22	-	25.26	27.36	4.71	-
PK	2.4402G	92.83	Inf	-Inf	32.30	3	Vertical	168	1.22	-	60.53	27.52	4.78	-
PK	2.4862G	58.15	74.00	-15.85	32.49	3	Vertical	168	1.22	-	25.66	27.66	4.83	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

23/08/2019

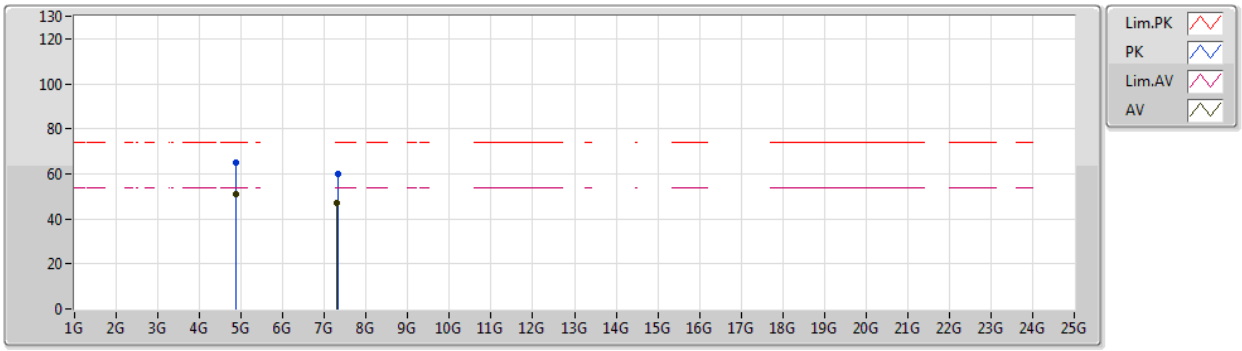


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389G	44.30	54.00	-9.70	32.09	3	Horizontal	32	1.00	-	12.21	27.37	4.72	-
AV	2.4422G	79.68	Inf	-Inf	32.31	3	Horizontal	32	1.00	-	47.37	27.53	4.78	-
AV	2.4838G	44.82	54.00	-9.18	32.48	3	Horizontal	32	1.00	-	12.34	27.65	4.83	-
PK	2.337G	56.58	74.00	-17.42	31.87	3	Horizontal	32	1.00	-	24.71	27.21	4.66	-
PK	2.4398G	89.62	Inf	-Inf	32.30	3	Horizontal	32	1.00	-	57.32	27.52	4.78	-
PK	2.4954G	56.79	74.00	-17.21	32.53	3	Horizontal	32	1.00	-	24.26	27.69	4.84	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

23/08/2019

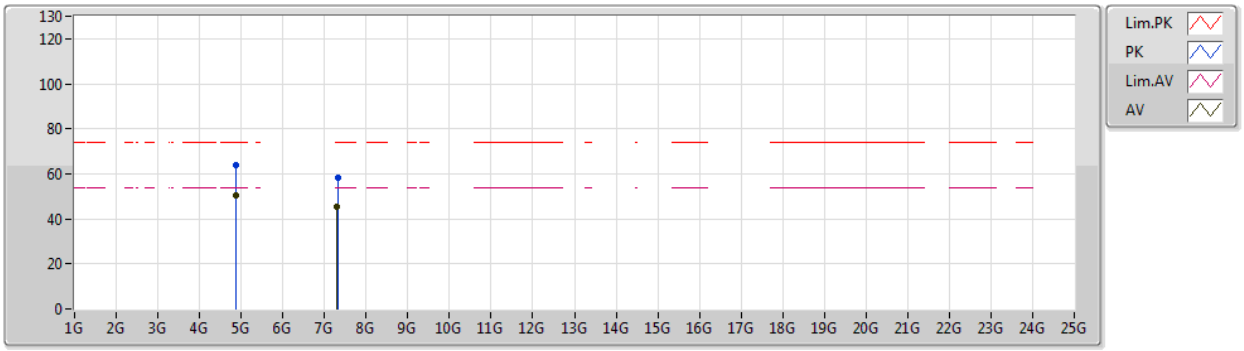


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87412G	51.12	54.00	-2.88	3.81	3	Vertical	104	1.14	-	47.31	31.47	6.81	34.47
AV	7.30986G	46.82	54.00	-7.18	9.88	3	Vertical	190	2.90	-	36.94	36.01	8.61	34.74
PK	4.8746G	64.97	74.00	-9.03	3.81	3	Vertical	104	1.14	-	61.16	31.47	6.81	34.47
PK	7.31076G	59.75	74.00	-14.25	9.88	3	Vertical	190	2.90	-	49.87	36.01	8.61	34.74

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

23/08/2019

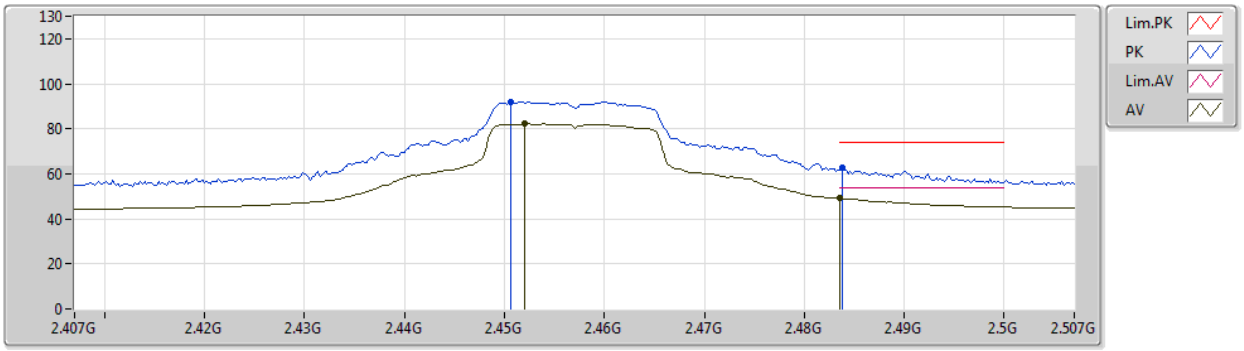


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87412G	50.37	54.00	-3.63	3.81	3	Horizontal	289	1.17	-	46.56	31.47	6.81	34.47
AV	7.30974G	45.42	54.00	-8.58	9.88	3	Horizontal	324	1.20	-	35.54	36.01	8.61	34.74
PK	4.87454G	63.81	74.00	-10.19	3.81	3	Horizontal	289	1.17	-	60.00	31.47	6.81	34.47
PK	7.31094G	58.10	74.00	-15.90	9.88	3	Horizontal	324	1.20	-	48.22	36.01	8.61	34.74

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

23/08/2019

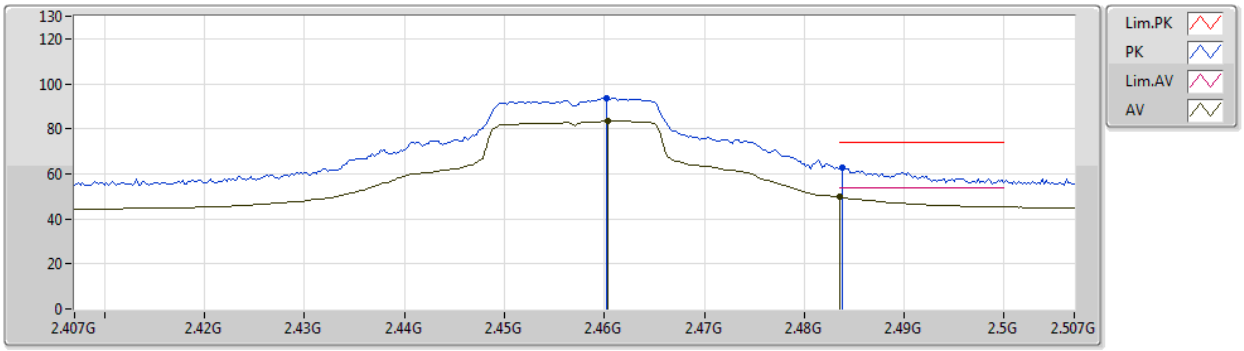


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.452G	82.15	Inf	-Inf	32.35	3	Vertical	169	1.64	-	49.80	27.56	4.79	-
AV	2.4835G	49.16	54.00	-4.84	32.48	3	Vertical	169	1.64	-	16.68	27.65	4.83	-
PK	2.4506G	92.11	Inf	-Inf	32.34	3	Vertical	169	1.64	-	59.77	27.55	4.79	-
PK	2.4838G	62.61	74.00	-11.39	32.48	3	Vertical	169	1.64	-	30.13	27.65	4.83	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

23/08/2019

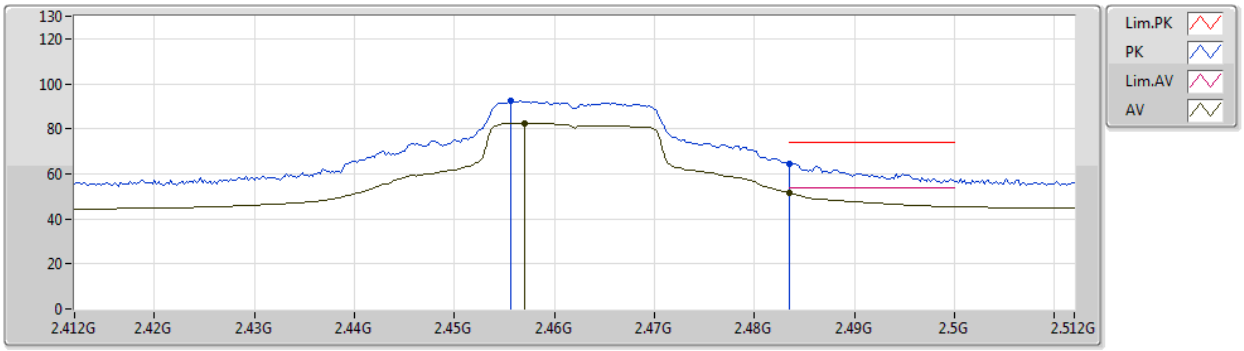


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4604G	83.40	Inf	-Inf	32.38	3	Horizontal	188	2.66	-	51.02	27.58	4.80	-
AV	2.4835G	49.66	54.00	-4.34	32.48	3	Horizontal	188	2.66	-	17.18	27.65	4.83	-
PK	2.4602G	93.48	Inf	-Inf	32.38	3	Horizontal	188	2.66	-	61.10	27.58	4.80	-
PK	2.4838G	62.73	74.00	-11.27	32.48	3	Horizontal	188	2.66	-	30.25	27.65	4.83	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

23/08/2019

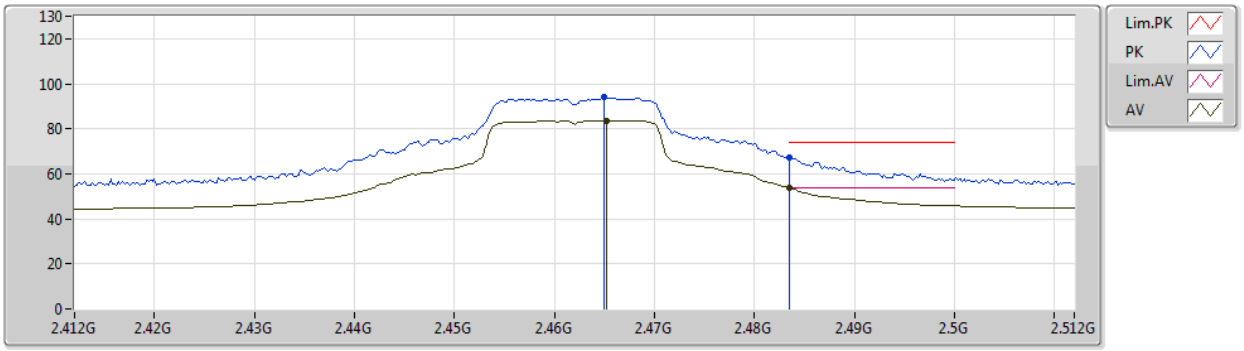


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.457G	82.47	Inf	-Inf	32.37	3	Vertical	165	1.09	-	50.10	27.57	4.80	-
AV	2.4835G	51.55	54.00	-2.45	32.48	3	Vertical	165	1.09	-	19.07	27.65	4.83	-
PK	2.4556G	92.41	Inf	-Inf	32.37	3	Vertical	165	1.09	-	60.04	27.57	4.80	-
PK	2.4835G	64.25	74.00	-9.75	32.48	3	Vertical	165	1.09	-	31.77	27.65	4.83	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

23/08/2019

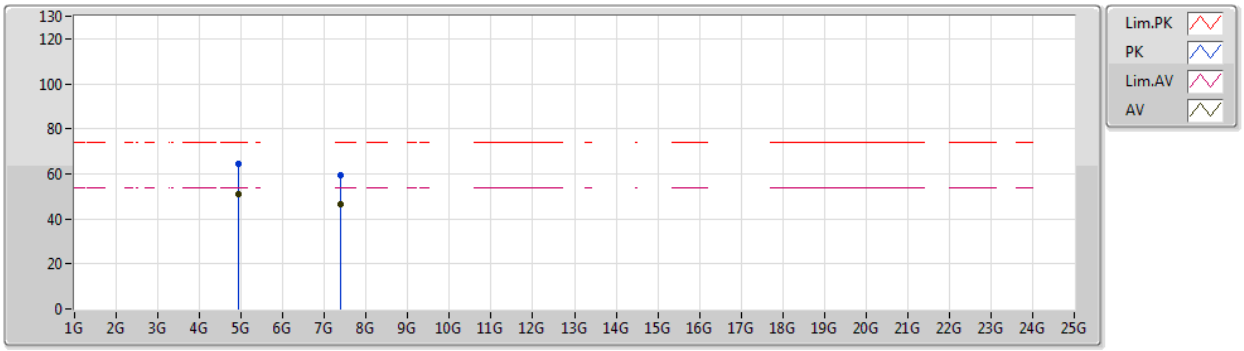


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4652G	83.74	Inf	-Inf	32.41	3	Horizontal	191	1.88	-	51.33	27.60	4.81	-
AV	2.4835G	53.75	54.00	-0.25	32.48	3	Horizontal	191	1.88	-	21.27	27.65	4.83	-
PK	2.465G	93.94	Inf	-Inf	32.40	3	Horizontal	191	1.88	-	61.54	27.59	4.81	-
PK	2.4835G	67.51	74.00	-6.49	32.48	3	Horizontal	191	1.88	-	35.03	27.65	4.83	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

23/08/2019

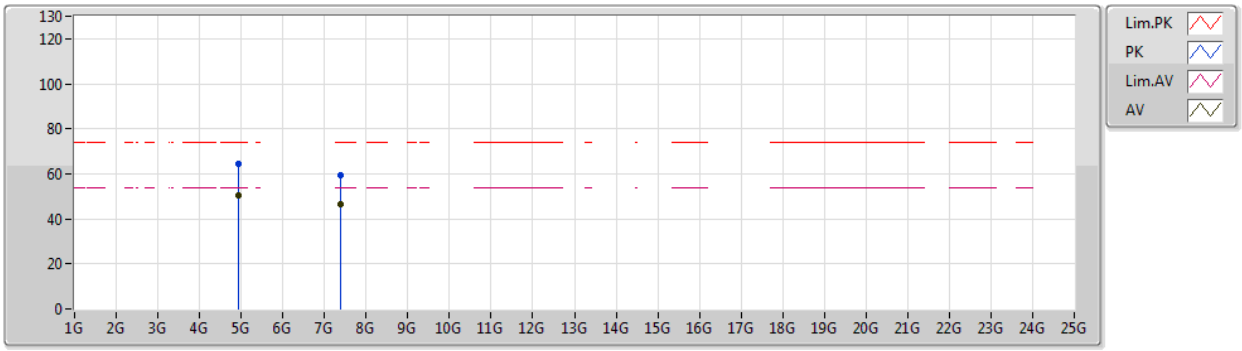


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92406G	50.84	54.00	-3.16	3.93	3	Vertical	105	1.17	-	46.91	31.56	6.82	34.45
AV	7.3833G	46.41	54.00	-7.59	10.09	3	Vertical	193	1.50	-	36.32	36.20	8.65	34.76
PK	4.9246G	64.48	74.00	-9.52	3.93	3	Vertical	105	1.17	-	60.55	31.56	6.82	34.45
PK	7.38576G	59.48	74.00	-14.52	10.08	3	Vertical	193	1.50	-	49.40	36.20	8.65	34.77

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

23/08/2019

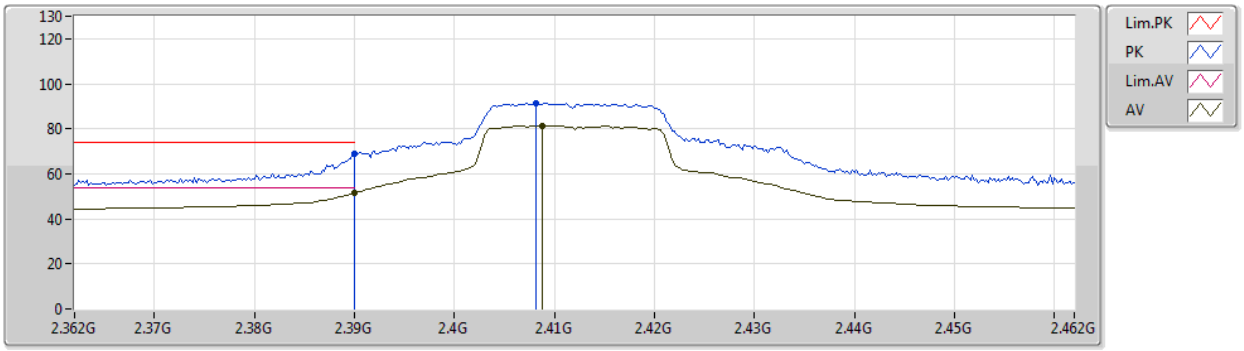


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92406G	50.55	54.00	-3.45	3.93	3	Horizontal	322	1.05	-	46.62	31.56	6.82	34.45
AV	7.38342G	46.63	54.00	-7.37	10.08	3	Horizontal	340	2.48	-	36.55	36.20	8.65	34.77
PK	4.92466G	64.35	74.00	-9.65	3.93	3	Horizontal	322	1.05	-	60.42	31.56	6.82	34.45
PK	7.38582G	59.34	74.00	-14.66	10.08	3	Horizontal	340	2.48	-	49.26	36.20	8.65	34.77

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

23/08/2019

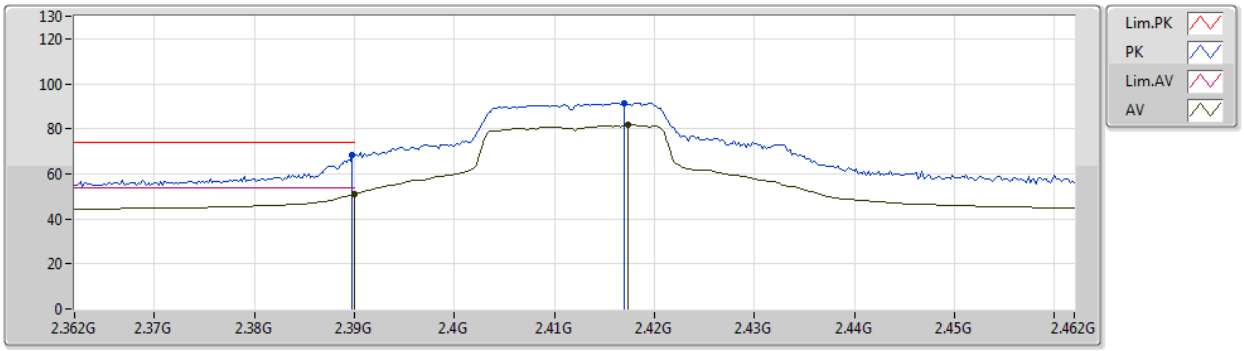


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.62	54.00	-2.38	32.09	3	Vertical	167	1.08	-	19.53	27.37	4.72	-
AV	2.4088G	81.48	Inf	-Inf	32.17	3	Vertical	167	1.08	-	49.31	27.43	4.74	-
PK	2.39G	68.98	74.00	-5.02	32.09	3	Vertical	167	1.08	-	36.89	27.37	4.72	-
PK	2.4082G	91.22	Inf	-Inf	32.16	3	Vertical	167	1.08	-	59.06	27.42	4.74	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

23/08/2019

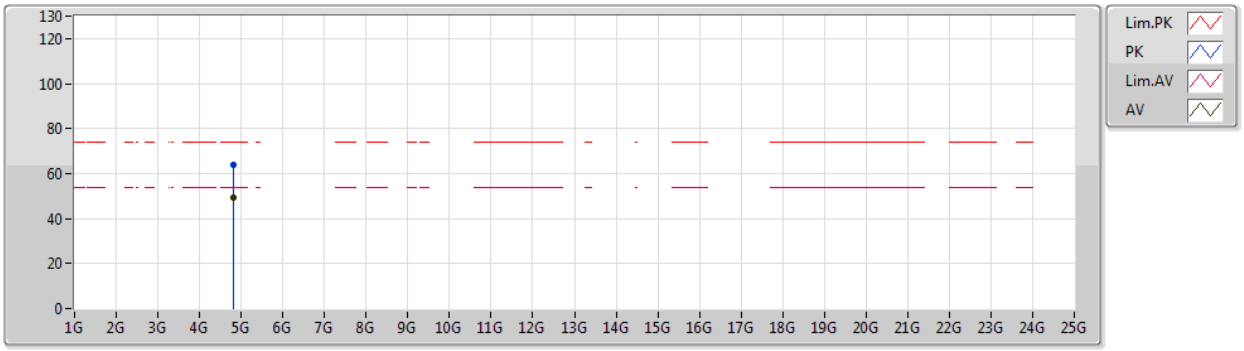


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	51.14	54.00	-2.86	32.09	3	Horizontal	188	1.89	-	19.05	27.37	4.72	-
AV	2.4174G	81.76	Inf	-Inf	32.20	3	Horizontal	188	1.89	-	49.56	27.45	4.75	-
PK	2.3898G	68.32	74.00	-5.68	32.09	3	Horizontal	188	1.89	-	36.23	27.37	4.72	-
PK	2.417G	91.52	Inf	-Inf	32.20	3	Horizontal	188	1.89	-	59.32	27.45	4.75	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

23/08/2019

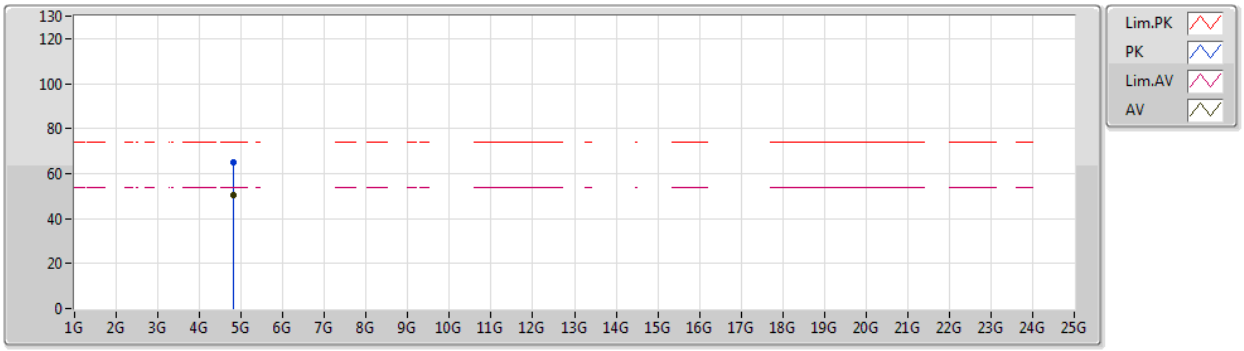


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824G	49.20	54.00	-4.80	3.69	3	Vertical	106	1.04	-	45.51	31.38	6.79	34.48
PK	4.8222G	64.09	74.00	-9.91	3.69	3	Vertical	106	1.04	-	60.40	31.38	6.79	34.48

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

23/08/2019

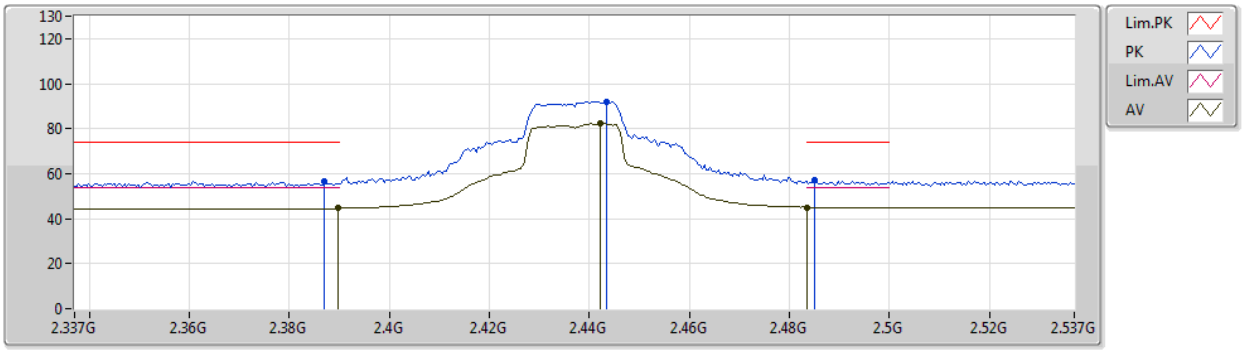


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.82406G	50.60	54.00	-3.40	3.69	3	Horizontal	292	1.20	-	46.91	31.38	6.79	34.48
PK	4.82226G	65.10	74.00	-8.90	3.69	3	Horizontal	292	1.20	-	61.41	31.38	6.79	34.48

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

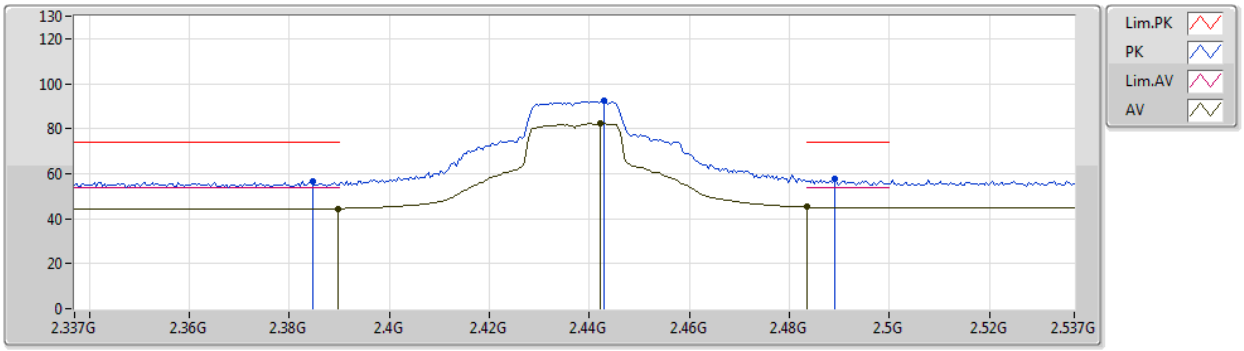


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	44.57	54.00	-9.43	32.09	3	Vertical	165	1.21	-	12.48	27.37	4.72	-
AV	2.4422G	82.29	Inf	-Inf	32.31	3	Vertical	165	1.21	-	49.98	27.53	4.78	-
AV	2.4835G	45.04	54.00	-8.96	32.48	3	Vertical	165	1.21	-	12.56	27.65	4.83	-
PK	2.387G	56.44	74.00	-17.56	32.07	3	Vertical	165	1.21	-	24.37	27.36	4.71	-
PK	2.4434G	92.06	Inf	-Inf	32.31	3	Vertical	165	1.21	-	59.75	27.53	4.78	-
PK	2.485G	56.99	74.00	-17.01	32.48	3	Vertical	165	1.21	-	24.51	27.65	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

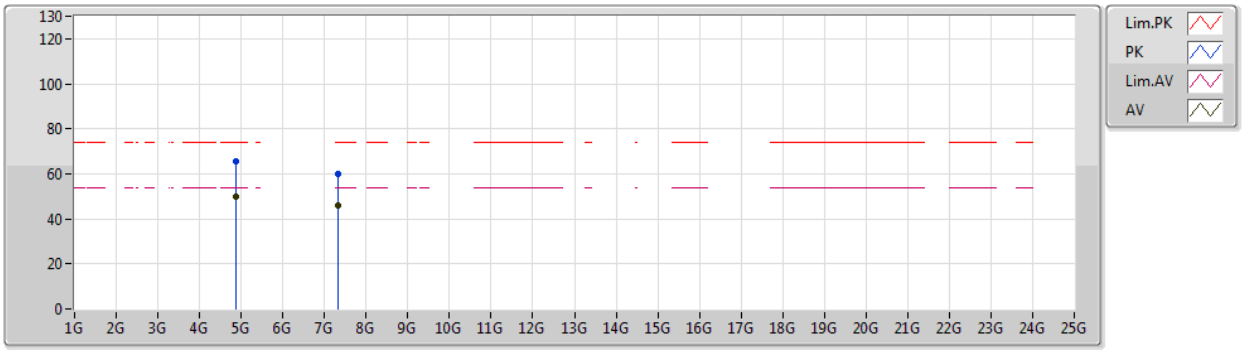


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	44.49	54.00	-9.51	32.09	3	Horizontal	189	1.69	-	12.40	27.37	4.72	-
AV	2.4422G	82.43	Inf	-Inf	32.31	3	Horizontal	189	1.69	-	50.12	27.53	4.78	-
AV	2.4835G	45.15	54.00	-8.85	32.48	3	Horizontal	189	1.69	-	12.67	27.65	4.83	-
PK	2.3846G	56.62	74.00	-17.38	32.06	3	Horizontal	189	1.69	-	24.56	27.35	4.71	-
PK	2.443G	92.20	Inf	-Inf	32.31	3	Horizontal	189	1.69	-	59.89	27.53	4.78	-
PK	2.489G	57.61	74.00	-16.39	32.50	3	Horizontal	189	1.69	-	25.11	27.67	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

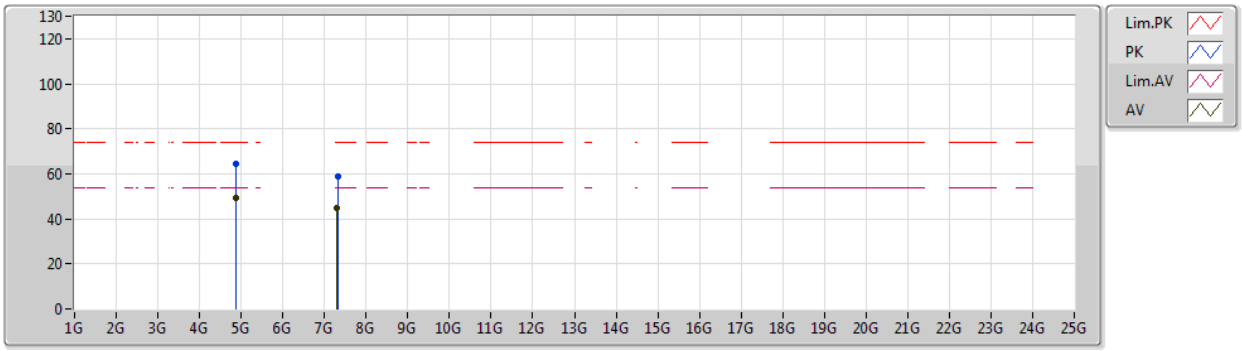


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	50.04	54.00	-3.96	3.81	3	Vertical	109	1.03	-	46.23	31.47	6.81	34.47
AV	7.31202G	45.93	54.00	-8.07	9.88	3	Vertical	190	2.91	-	36.05	36.01	8.61	34.74
PK	4.87214G	65.42	74.00	-8.58	3.81	3	Vertical	109	1.03	-	61.61	31.47	6.81	34.47
PK	7.3179G	60.09	74.00	-13.91	9.90	3	Vertical	190	2.91	-	50.19	36.03	8.62	34.75

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

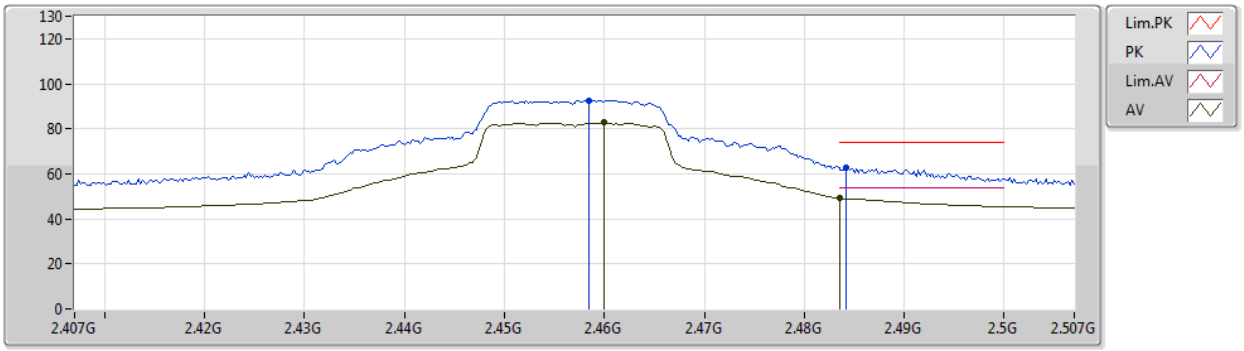


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	49.18	54.00	-4.82	3.81	3	Horizontal	288	1.16	-	45.37	31.47	6.81	34.47
AV	7.30926G	44.73	54.00	-9.27	9.87	3	Horizontal	324	1.19	-	34.86	36.00	8.61	34.74
PK	4.87214G	64.50	74.00	-9.50	3.81	3	Horizontal	288	1.16	-	60.69	31.47	6.81	34.47
PK	7.3179G	58.97	74.00	-15.03	9.90	3	Horizontal	324	1.19	-	49.07	36.03	8.62	34.75

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

23/08/2019

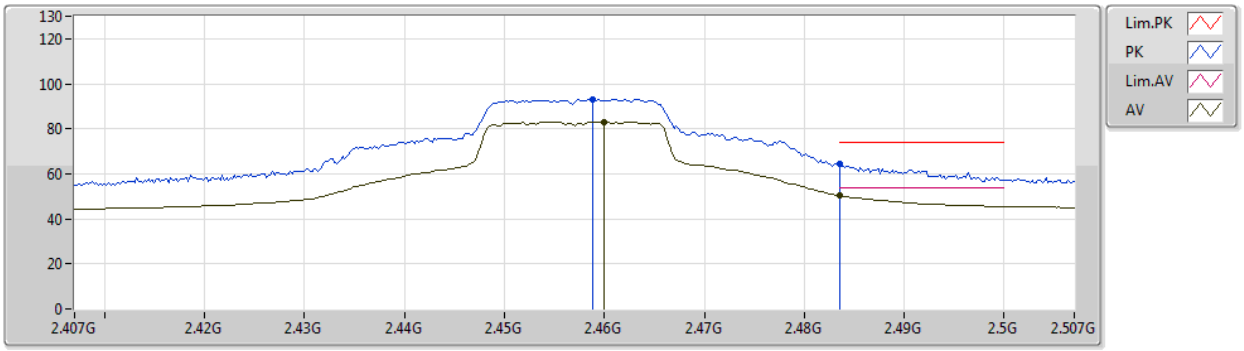


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.46G	82.77	Inf	-Inf	32.38	3	Vertical	165	1.21	-	50.39	27.58	4.80	-
AV	2.4835G	49.14	54.00	-4.86	32.48	3	Vertical	165	1.21	-	16.66	27.65	4.83	-
PK	2.4584G	92.43	Inf	-Inf	32.38	3	Vertical	165	1.21	-	60.05	27.58	4.80	-
PK	2.4842G	62.80	74.00	-11.20	32.48	3	Vertical	165	1.21	-	30.32	27.65	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

23/08/2019

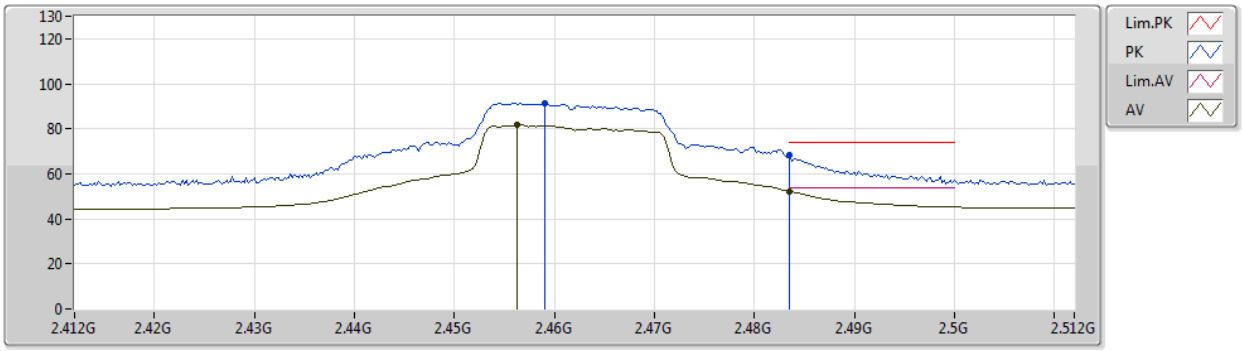


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.46G	83.20	Inf	-Inf	32.38	3	Horizontal	190	1.89	-	50.82	27.58	4.80	-
AV	2.4835G	50.16	54.00	-3.84	32.48	3	Horizontal	190	1.89	-	17.68	27.65	4.83	-
PK	2.4588G	92.91	Inf	-Inf	32.38	3	Horizontal	190	1.89	-	60.53	27.58	4.80	-
PK	2.4835G	64.64	74.00	-9.36	32.48	3	Horizontal	190	1.89	-	32.16	27.65	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

23/08/2019

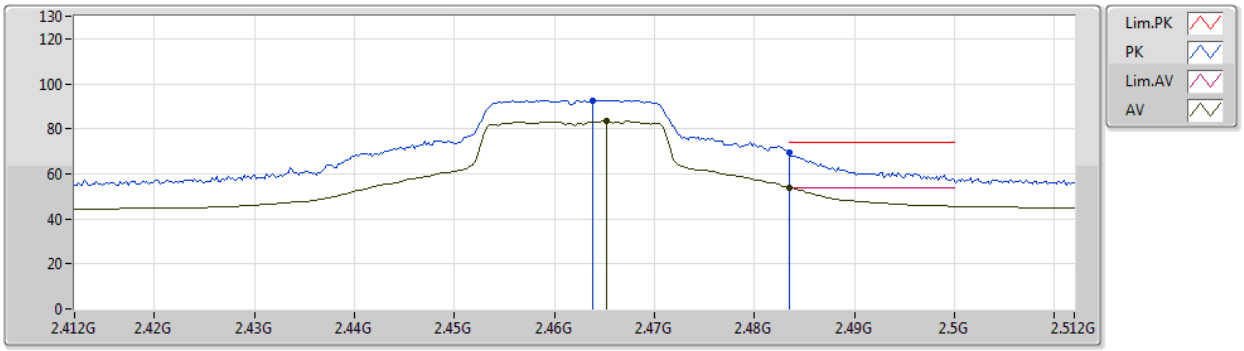


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4562G	81.62	Inf	-Inf	32.37	3	Vertical	170	1.64	-	49.25	27.57	4.80	-
AV	2.4835G	52.28	54.00	-1.72	32.48	3	Vertical	170	1.64	-	19.80	27.65	4.83	-
PK	2.459G	91.29	Inf	-Inf	32.38	3	Vertical	170	1.64	-	58.91	27.58	4.80	-
PK	2.4835G	68.19	74.00	-5.81	32.48	3	Vertical	170	1.64	-	35.71	27.65	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

23/08/2019

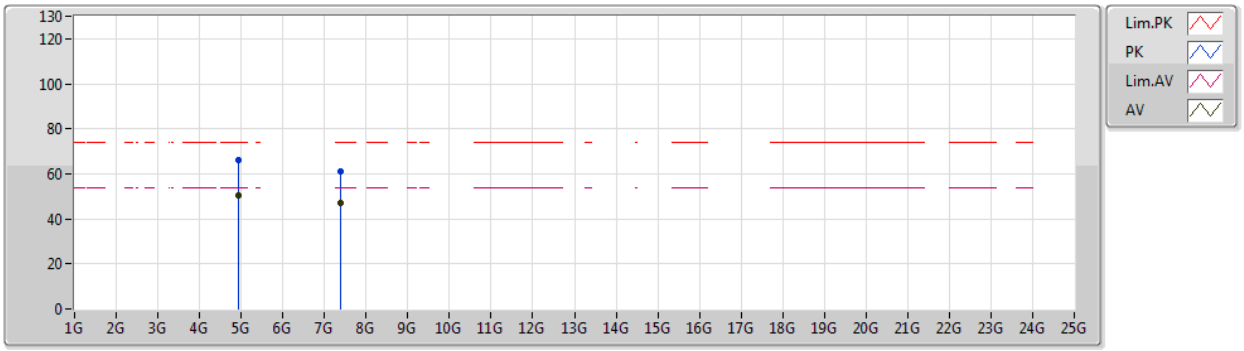


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4652G	83.32	Inf	-Inf	32.41	3	Horizontal	190	1.89	-	50.91	27.60	4.81	-
AV	2.4835G	53.96	54.00	-0.04	32.48	3	Horizontal	190	1.89	-	21.48	27.65	4.83	-
PK	2.4638G	92.72	Inf	-Inf	32.39	3	Horizontal	190	1.89	-	60.33	27.59	4.80	-
PK	2.4835G	69.43	74.00	-4.57	32.48	3	Horizontal	190	1.89	-	36.95	27.65	4.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

23/08/2019

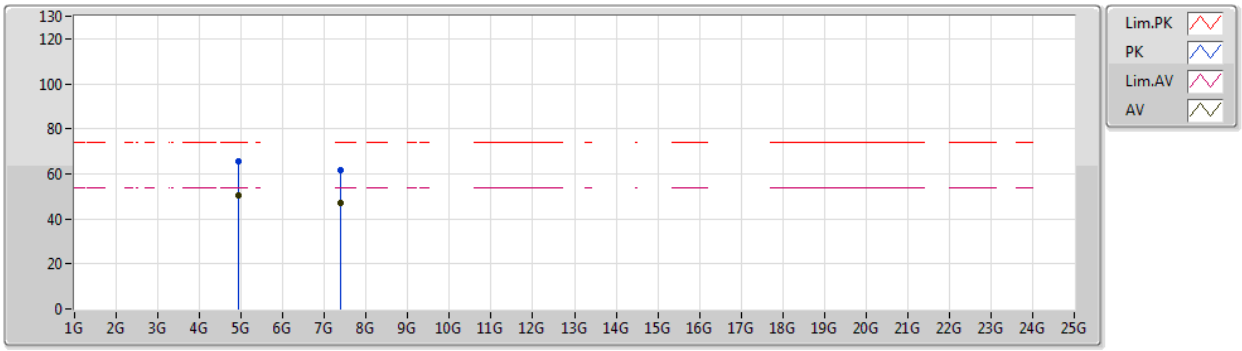


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	50.59	54.00	-3.41	3.93	3	Vertical	105	1.16	-	46.66	31.56	6.82	34.45
AV	7.3815G	47.12	54.00	-6.88	10.08	3	Vertical	188	2.97	-	37.04	36.19	8.65	34.76
PK	4.92226G	65.90	74.00	-8.10	3.93	3	Vertical	105	1.16	-	61.97	31.56	6.82	34.45
PK	7.3818G	61.06	74.00	-12.94	10.08	3	Vertical	188	2.97	-	50.98	36.19	8.65	34.76

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

23/08/2019

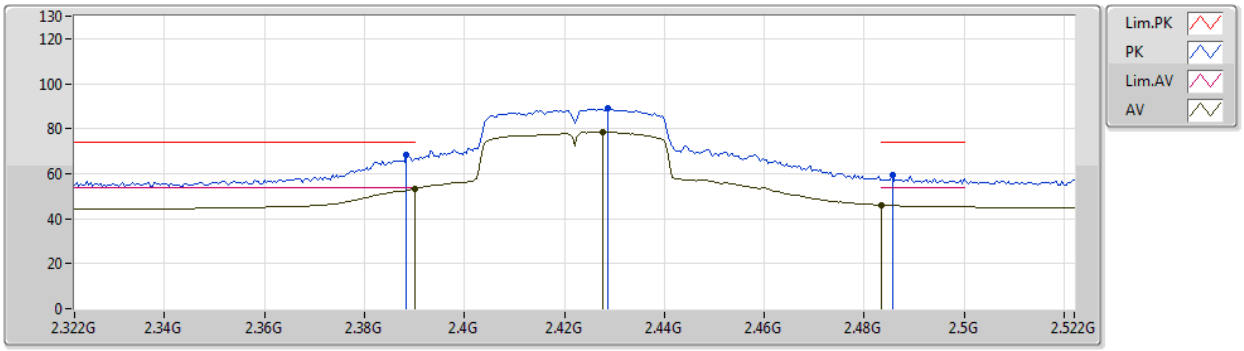


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	50.57	54.00	-3.43	3.93	3	Horizontal	322	1.04	-	46.64	31.56	6.82	34.45
AV	7.38156G	46.80	54.00	-7.20	10.08	3	Horizontal	337	2.47	-	36.72	36.19	8.65	34.76
PK	4.92232G	65.57	74.00	-8.43	3.93	3	Horizontal	322	1.04	-	61.64	31.56	6.82	34.45
PK	7.3929G	61.64	74.00	-12.36	10.11	3	Horizontal	337	2.47	-	51.53	36.22	8.66	34.77

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

23/08/2019

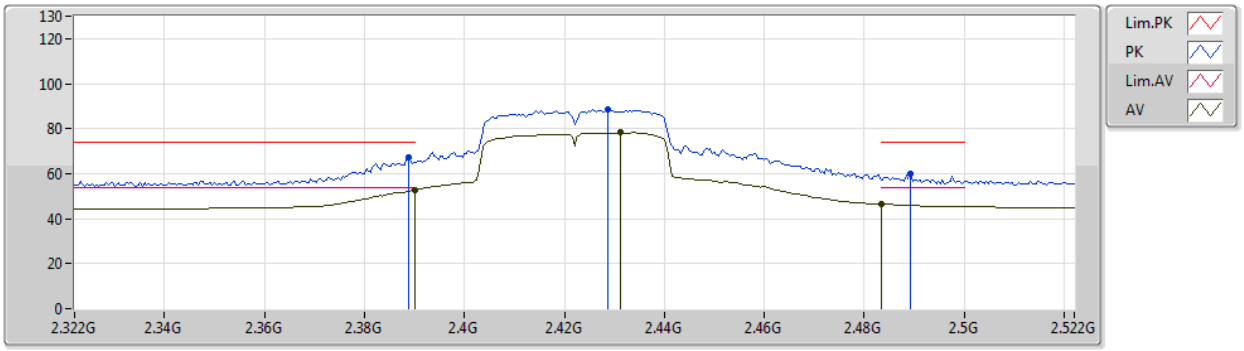


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.40	54.00	-0.60	32.09	3	Vertical	167	1.00	-	21.31	27.37	4.72	-
AV	2.4276G	78.50	Inf	-Inf	32.24	3	Vertical	167	1.00	-	46.26	27.48	4.76	-
AV	2.4835G	46.06	54.00	-7.94	32.48	3	Vertical	167	1.00	-	13.58	27.65	4.83	-
PK	2.3884G	68.38	74.00	-5.62	32.09	3	Vertical	167	1.00	-	36.29	27.37	4.72	-
PK	2.4288G	89.10	Inf	-Inf	32.25	3	Vertical	167	1.00	-	56.85	27.49	4.76	-
PK	2.4856G	59.16	74.00	-14.84	32.49	3	Vertical	167	1.00	-	26.67	27.66	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

23/08/2019

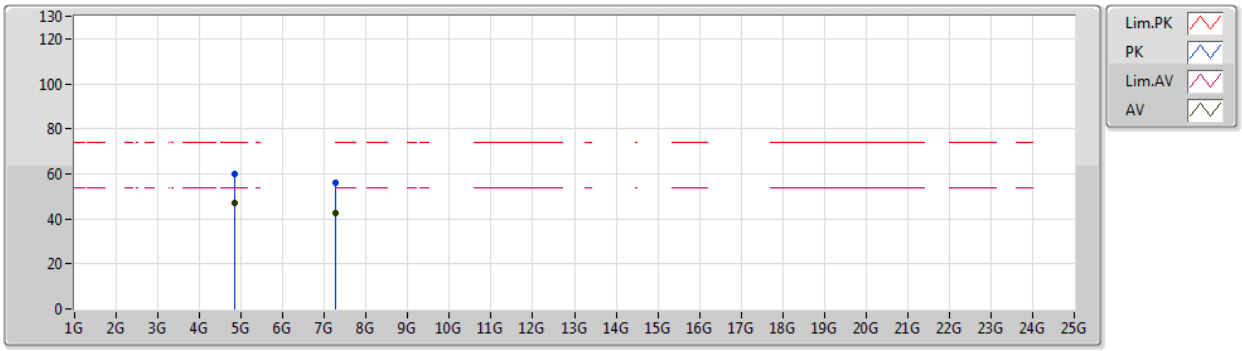


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	52.83	54.00	-1.17	32.09	3	Horizontal	189	1.92	-	20.74	27.37	4.72	-
AV	2.4312G	78.20	Inf	-Inf	32.26	3	Horizontal	189	1.92	-	45.94	27.49	4.77	-
AV	2.4835G	46.39	54.00	-7.61	32.48	3	Horizontal	189	1.92	-	13.91	27.65	4.83	-
PK	2.3888G	67.24	74.00	-6.76	32.09	3	Horizontal	189	1.92	-	35.15	27.37	4.72	-
PK	2.4288G	88.56	Inf	-Inf	32.25	3	Horizontal	189	1.92	-	56.31	27.49	4.76	-
PK	2.4892G	59.71	74.00	-14.29	32.50	3	Horizontal	189	1.92	-	27.21	27.67	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

23/08/2019

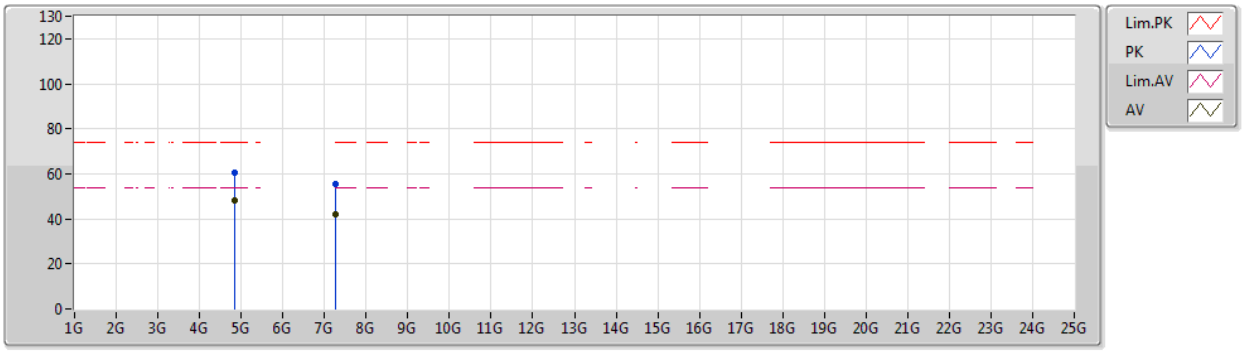


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.84407G	47.04	54.00	-6.96	3.74	3	Vertical	107	1.04	-	43.30	31.42	6.80	34.48
AV	7.26124G	42.37	54.00	-11.63	9.74	3	Vertical	190	2.93	-	32.63	35.88	8.59	34.73
PK	4.84385G	60.18	74.00	-13.82	3.74	3	Vertical	107	1.04	-	56.44	31.42	6.80	34.48
PK	7.26742G	56.06	74.00	-17.94	9.76	3	Vertical	190	2.93	-	46.30	35.90	8.59	34.73

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

23/08/2019

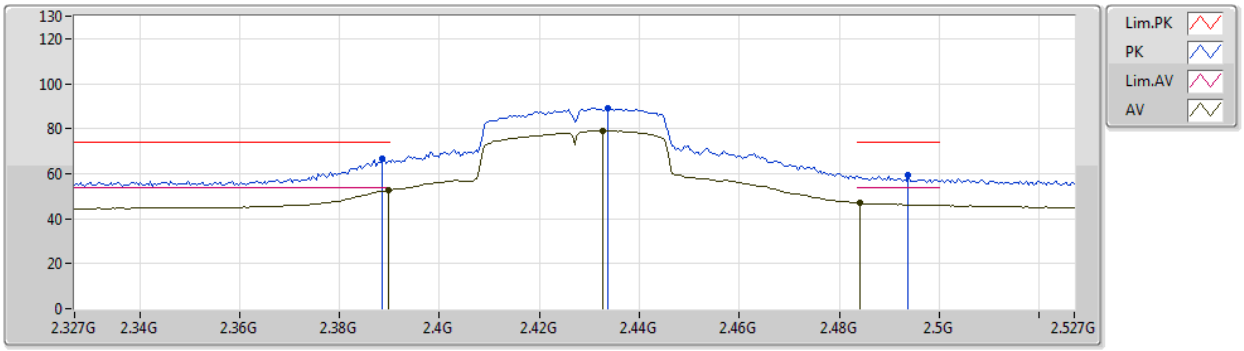


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.84404G	48.10	54.00	-5.90	3.74	3	Horizontal	290	1.04	-	44.36	31.42	6.80	34.48
AV	7.2612G	41.80	54.00	-12.20	9.74	3	Horizontal	325	1.19	-	32.06	35.88	8.59	34.73
PK	4.8441G	60.50	74.00	-13.50	3.74	3	Horizontal	290	1.04	-	56.76	31.42	6.80	34.48
PK	7.26548G	55.37	74.00	-18.63	9.75	3	Horizontal	325	1.19	-	45.62	35.89	8.59	34.73

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

23/08/2019

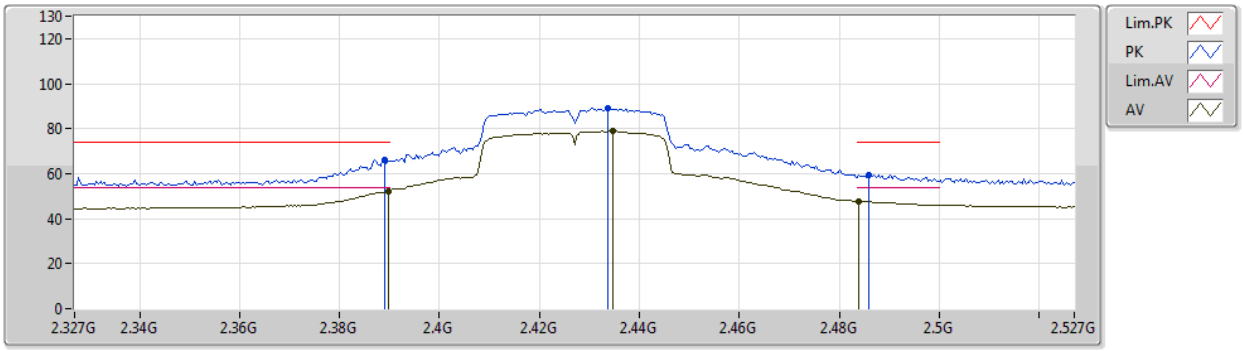


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.55	54.00	-1.45	32.09	3	Vertical	71	1.17	-	20.46	27.37	4.72	-
AV	2.4326G	78.95	Inf	-Inf	32.27	3	Vertical	71	1.17	-	46.68	27.50	4.77	-
AV	2.4842G	47.05	54.00	-6.95	32.48	3	Vertical	71	1.17	-	14.57	27.65	4.83	-
PK	2.3886G	66.53	74.00	-7.47	32.09	3	Vertical	71	1.17	-	34.44	27.37	4.72	-
PK	2.4338G	89.34	Inf	-Inf	32.27	3	Vertical	71	1.17	-	57.07	27.50	4.77	-
PK	2.4938G	59.50	74.00	-14.50	32.52	3	Vertical	71	1.17	-	26.98	27.68	4.84	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

23/08/2019

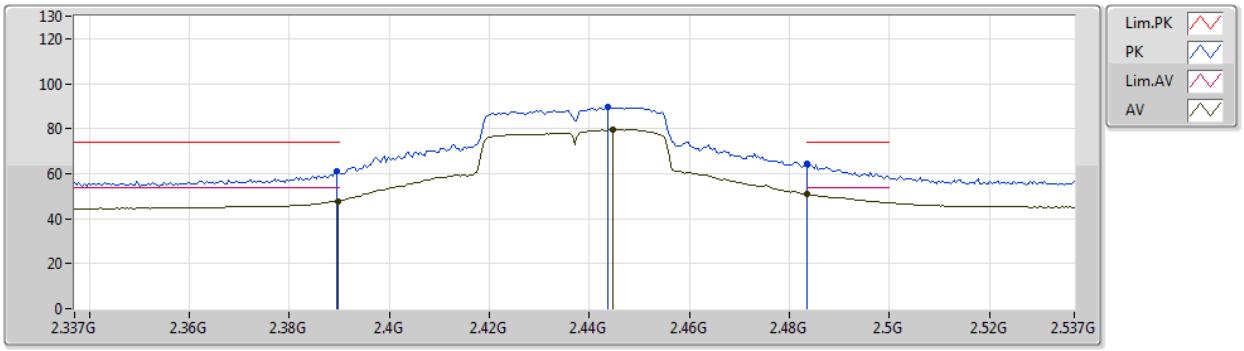


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	52.25	54.00	-1.75	32.09	3	Horizontal	188	1.93	-	20.16	27.37	4.72	-
AV	2.4346G	78.85	Inf	-Inf	32.27	3	Horizontal	188	1.93	-	46.58	27.50	4.77	-
AV	2.4838G	47.73	54.00	-6.27	32.48	3	Horizontal	188	1.93	-	15.25	27.65	4.83	-
PK	2.389G	65.94	74.00	-8.06	32.09	3	Horizontal	188	1.93	-	33.85	27.37	4.72	-
PK	2.4338G	89.01	Inf	-Inf	32.27	3	Horizontal	188	1.93	-	56.74	27.50	4.77	-
PK	2.4858G	59.65	74.00	-14.35	32.49	3	Horizontal	188	1.93	-	27.16	27.66	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

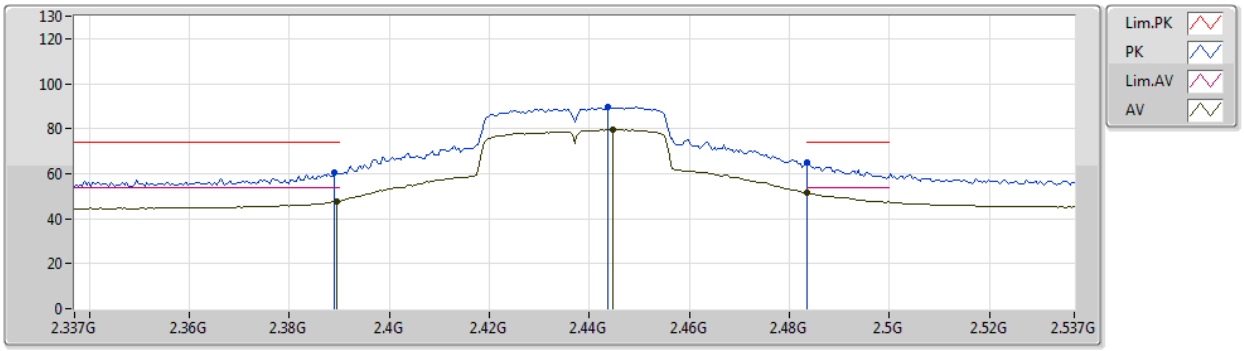


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3898G	47.78	54.00	-6.22	32.09	3	Vertical	168	1.23	-	15.69	27.37	4.72	-
AV	2.4446G	79.55	Inf	-Inf	32.31	3	Vertical	168	1.23	-	47.24	27.53	4.78	-
AV	2.4835G	50.97	54.00	-3.03	32.48	3	Vertical	168	1.23	-	18.49	27.65	4.83	-
PK	2.3894G	60.85	74.00	-13.15	32.09	3	Vertical	168	1.23	-	28.76	27.37	4.72	-
PK	2.4438G	89.84	Inf	-Inf	32.31	3	Vertical	168	1.23	-	57.53	27.53	4.78	-
PK	2.4835G	64.31	74.00	-9.69	32.48	3	Vertical	168	1.23	-	31.83	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

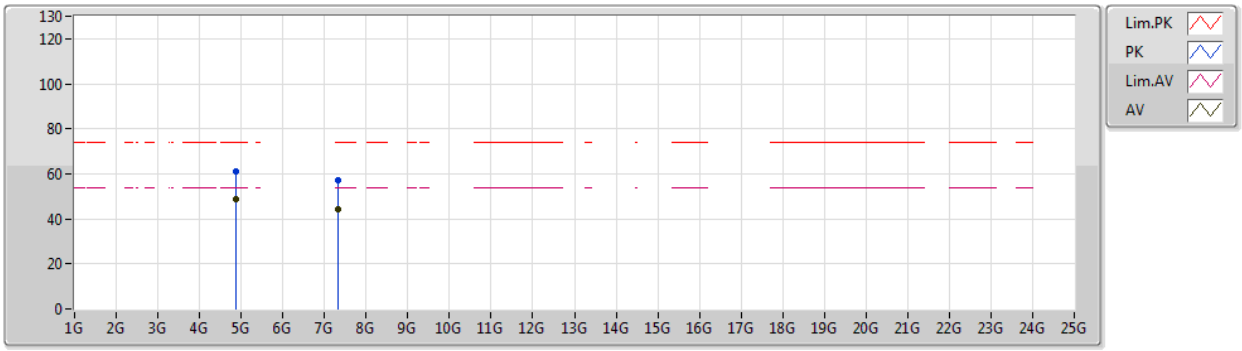


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	47.67	54.00	-6.33	32.09	3	Horizontal	189	1.69	-	15.58	27.37	4.72	-
AV	2.4446G	79.61	Inf	-Inf	32.31	3	Horizontal	189	1.69	-	47.30	27.53	4.78	-
AV	2.4835G	51.61	54.00	-2.39	32.48	3	Horizontal	189	1.69	-	19.13	27.65	4.83	-
PK	2.389G	60.26	74.00	-13.74	32.09	3	Horizontal	189	1.69	-	28.17	27.37	4.72	-
PK	2.4438G	89.88	Inf	-Inf	32.31	3	Horizontal	189	1.69	-	57.57	27.53	4.78	-
PK	2.4835G	64.87	74.00	-9.13	32.48	3	Horizontal	189	1.69	-	32.39	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

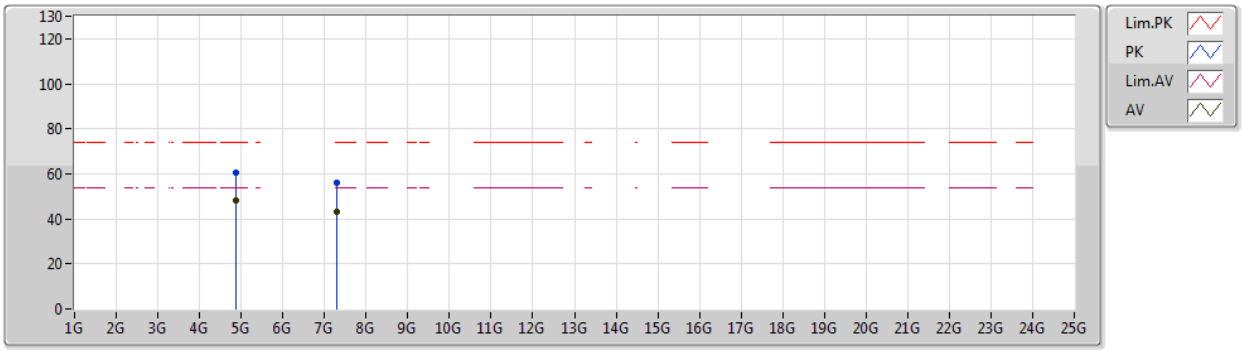


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8743G	48.59	54.00	-5.41	3.81	3	Vertical	105	1.21	-	44.78	31.47	6.81	34.47
AV	7.31358G	44.52	54.00	-9.48	9.89	3	Vertical	189	3.00	-	34.63	36.02	8.61	34.74
PK	4.87394G	60.92	74.00	-13.08	3.81	3	Vertical	105	1.21	-	57.11	31.47	6.81	34.47
PK	7.31376G	57.21	74.00	-16.79	9.89	3	Vertical	189	3.00	-	47.32	36.02	8.61	34.74

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

23/08/2019

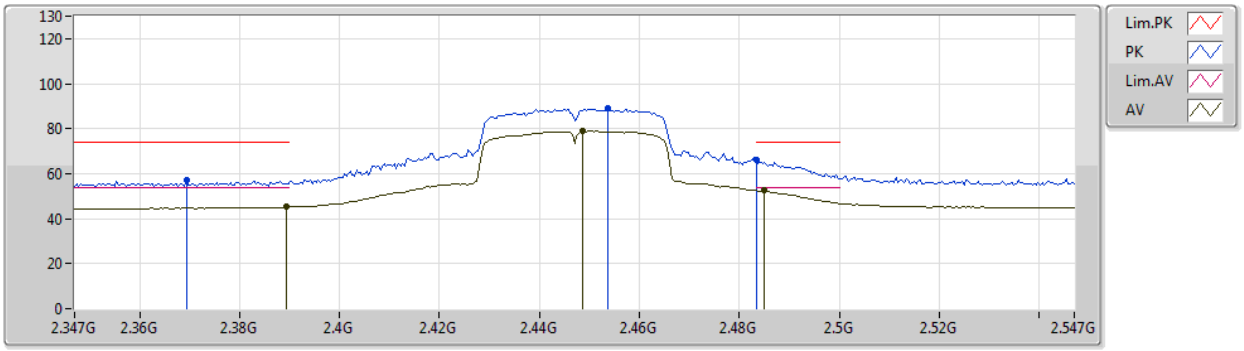


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87408G	48.09	54.00	-5.91	3.81	3	Horizontal	288	1.08	-	44.28	31.47	6.81	34.47
AV	7.3062G	43.25	54.00	-10.75	9.87	3	Horizontal	323	1.11	-	33.38	36.00	8.61	34.74
PK	4.8739G	60.69	74.00	-13.31	3.81	3	Horizontal	288	1.08	-	56.88	31.47	6.81	34.47
PK	7.30524G	55.84	74.00	-18.16	9.86	3	Horizontal	323	1.11	-	45.98	35.99	8.61	34.74

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

23/08/2019

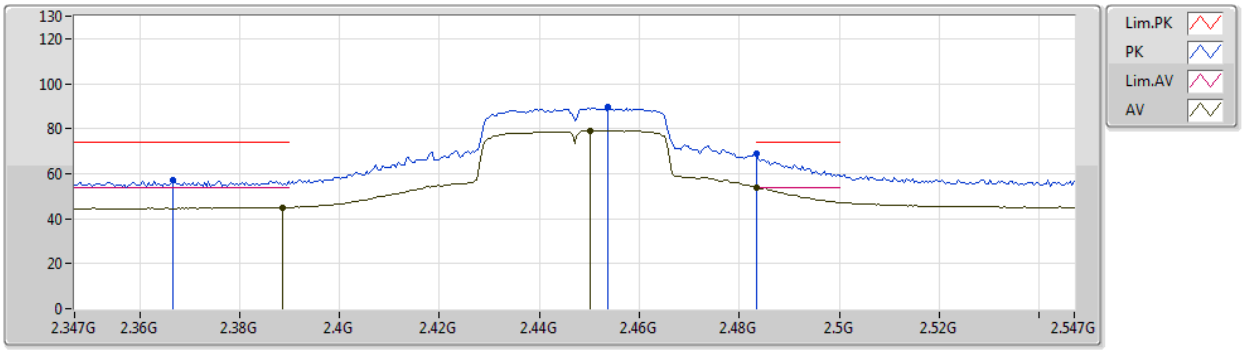


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3894G	45.13	54.00	-8.87	32.09	3	Vertical	167	1.23	-	13.04	27.37	4.72	-
AV	2.4486G	78.89	Inf	-Inf	32.34	3	Vertical	167	1.23	-	46.55	27.55	4.79	-
AV	2.485G	52.48	54.00	-1.52	32.48	3	Vertical	167	1.23	-	20.00	27.65	4.83	-
PK	2.3694G	57.07	74.00	-16.93	32.00	3	Vertical	167	1.23	-	25.07	27.31	4.69	-
PK	2.4538G	88.91	Inf	-Inf	32.35	3	Vertical	167	1.23	-	56.56	27.56	4.79	-
PK	2.4835G	66.13	74.00	-7.87	32.48	3	Vertical	167	1.23	-	33.65	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

23/08/2019

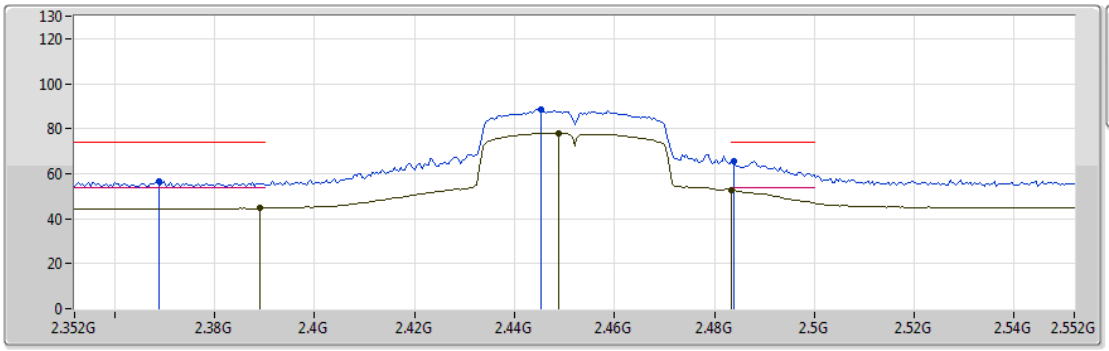


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3886G	44.94	54.00	-9.06	32.09	3	Horizontal	190	1.86	-	12.85	27.37	4.72	-
AV	2.4502G	79.16	Inf	-Inf	32.34	3	Horizontal	190	1.86	-	46.82	27.55	4.79	-
AV	2.4835G	53.80	54.00	-0.20	32.48	3	Horizontal	190	1.86	-	21.32	27.65	4.83	-
PK	2.3666G	57.07	74.00	-16.93	31.99	3	Horizontal	190	1.86	-	25.08	27.30	4.69	-
PK	2.4538G	89.60	Inf	-Inf	32.35	3	Horizontal	190	1.86	-	57.25	27.56	4.79	-
PK	2.4835G	68.67	74.00	-5.33	32.48	3	Horizontal	190	1.86	-	36.19	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

23/08/2019

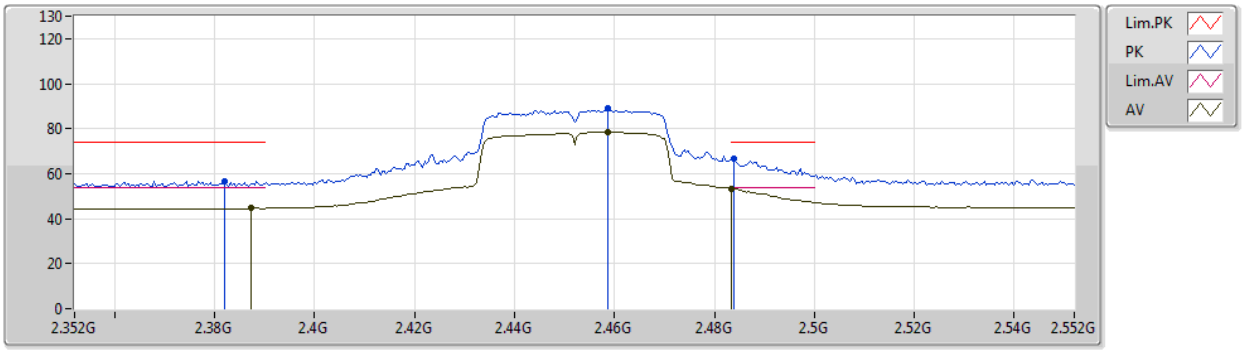


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3892G	44.64	54.00	-9.36	32.09	3	Vertical	169	1.22	-	12.55	27.37	4.72	-
AV	2.4488G	78.10	Inf	-Inf	32.34	3	Vertical	169	1.22	-	45.76	27.55	4.79	-
AV	2.4835G	52.50	54.00	-1.50	32.48	3	Vertical	169	1.22	-	20.02	27.65	4.83	-
PK	2.3688G	56.59	74.00	-17.41	32.00	3	Vertical	169	1.22	-	24.59	27.31	4.69	-
PK	2.4452G	88.36	Inf	-Inf	32.32	3	Vertical	169	1.22	-	56.04	27.54	4.78	-
PK	2.484G	65.81	74.00	-8.19	32.48	3	Vertical	169	1.22	-	33.33	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

23/08/2019

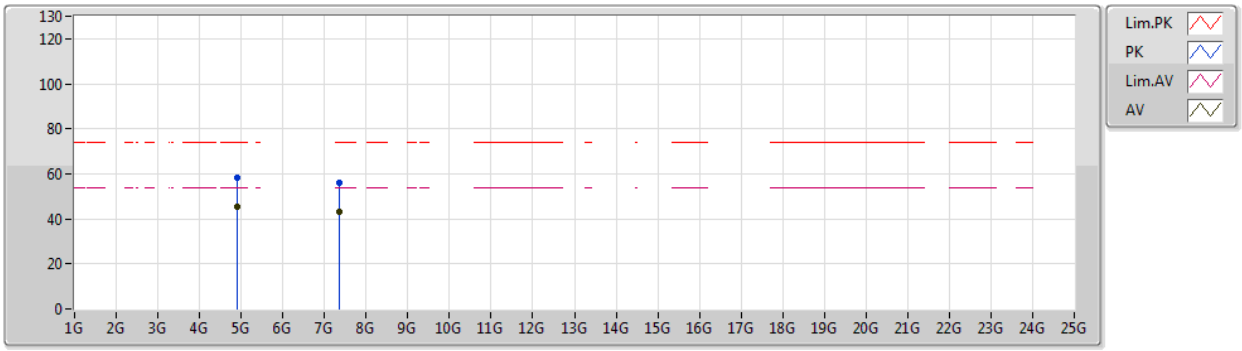


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3872G	44.62	54.00	-9.38	32.08	3	Horizontal	189	1.89	-	12.54	27.36	4.72	-
AV	2.4588G	78.45	Inf	-Inf	32.38	3	Horizontal	189	1.89	-	46.07	27.58	4.80	-
AV	2.4835G	53.16	54.00	-0.84	32.48	3	Horizontal	189	1.89	-	20.68	27.65	4.83	-
PK	2.382G	56.58	74.00	-17.42	32.06	3	Horizontal	189	1.89	-	24.52	27.35	4.71	-
PK	2.4588G	88.82	Inf	-Inf	32.38	3	Horizontal	189	1.89	-	56.44	27.58	4.80	-
PK	2.484G	66.54	74.00	-7.46	32.48	3	Horizontal	189	1.89	-	34.06	27.65	4.83	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

23/08/2019

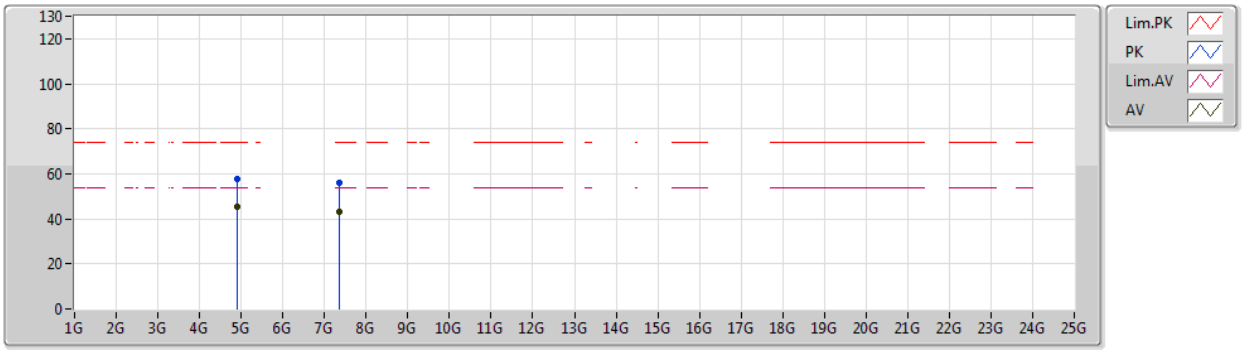


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9041G	45.47	54.00	-8.53	3.89	3	Vertical	103	1.08	-	41.58	31.53	6.82	34.46
AV	7.35132G	43.36	54.00	-10.64	9.98	3	Vertical	191	2.99	-	33.38	36.11	8.63	34.76
PK	4.9045G	58.21	74.00	-15.79	3.89	3	Vertical	103	1.08	-	54.32	31.53	6.82	34.46
PK	7.34958G	56.30	74.00	-17.70	9.99	3	Vertical	191	2.99	-	46.31	36.11	8.63	34.75

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

23/08/2019



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	4.90398G	45.17	54.00	-8.83	3.89	3	Horizontal	282	1.00	-	41.28	31.53	6.82	34.46
AV	7.35984G	43.32	54.00	-10.68	10.02	3	Horizontal	338	2.47	-	33.30	36.14	8.64	34.76
PK	4.90424G	57.78	74.00	-16.22	3.89	3	Horizontal	282	1.00	-	53.89	31.53	6.82	34.46
PK	7.36662G	56.20	74.00	-17.80	10.03	3	Horizontal	338	2.47	-	46.17	36.15	8.64	34.76