FCC Test Report

FCC ID	:	**SWX-UBB**
Equipment	:	**UniFi Building Bridge**
Brand Name	:	**UBIQUITI**
Model Name	:	**UBB**
Applicant	:	**Ubiquiti Networks, Inc. 685 Third Avenue, 27th Floor New York, New York 10017 USA**
Manufacturer	:	**Ubiquiti Networks, Inc. 685 Third Avenue, 27th Floor New York, New York 10017 USA**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Feb. 14, 2019, and testing was started from Feb. 15, 2019 and completed on May 28, 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
FR951623AC	01	Initial issue of report	Jun. 24, 2019

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	FCC 15.203
3.1	15.207	AC Power-line Conducted Emissions	PASS	FCC 15.207
3.2	15.247(a)	DTS Bandwidth	PASS	≥500kHz
3.3	15.247(b)	Maximum Conducted Output Power	PASS	Power [dBm]: 30
3.4	15.247(e)	Power Spectral Density	PASS	PSD [dBm/3kHz]: 8
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	Non-Restricted Bands: > 30 dBc
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	Restricted Bands: FCC 15.209

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: Michelle Tsai

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]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

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
1	-	-	internal antenna	muruta
2	-	-	internal antenna	muruta

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	2	10
2	2	-	10

Note 1: The EUT has two antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
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	0.994	0.026	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.749	1.255	279.375u	10k
802.11n HT20	0.736	1.331	251.25u	10k
802.11n HT40	0.73	1.367	251.25u	10k

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

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
AC Conduction	CO01-HY	Jeff	23.3~25.8°C / 53.4~57.1%	28/May/2019
RF Conducted	TH01-HY	Gary	23.3~23.9°C / 63~69%	18/Feb/2019~ 18/Mar/2019
Radiated (Below 1GHz)	03CH03-HY	Edward	23.5~26.3°C / 51.5~56.2%	27/May/2019
Radiated (Above 1GHz)	03CH03-HY	Justin	22.2~25.3°C / 51.8~54.5%	15/Feb/2019~ 16/Mar/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	48V

2.2 Test Channel Mode

Test Software	CMD

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	PoE 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
According to the manufacturer's declaration of product application, the brand and model name are same as FCC ID: 6545A-60GL. After evaluation and verify, the test data meet our expectation. Therefore the test data could be leveraged FCC ID : 6545A-60GL.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz + WLAN 5GHz
2	WLAN 2.4GHz + 60GHz
Refer to Sporton Test Report No.: FA951623 for Co-location RF Exposure Evaluation.	

2.4 Accessories and Support Equipment

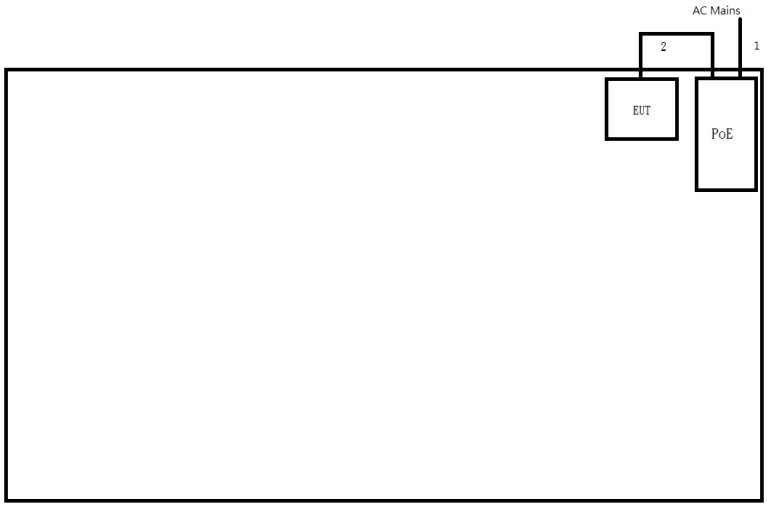
Accessories				
PoE Adapter	**Brand Name**	UBIQUITI	**Model Name**	GP-V480-032G
	Manufacturer	UBIQUITI		
	Power Rating	I/P: 100- 240Vac, 0.3A, O/P: 48Vdc, 0.32A		

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

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

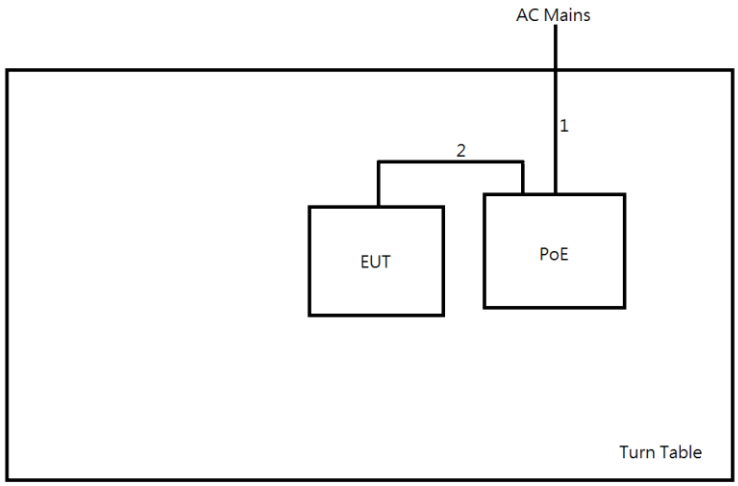
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.5
2	Lan Cable	No	1.0

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.5
2	RJ45 cable	No	1.0

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

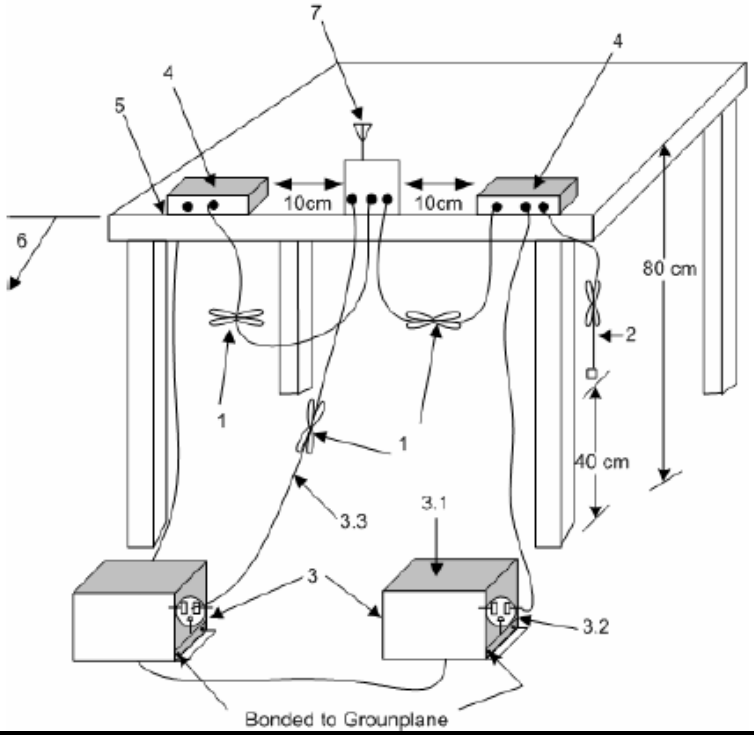
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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.

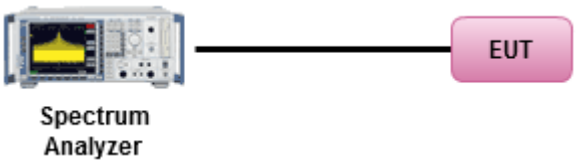
3.2.2 Measuring Instruments

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 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

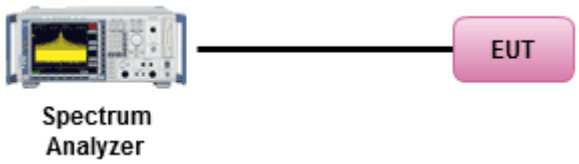
3.4.2 Measuring Instruments

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 PSD 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 PSD level.	

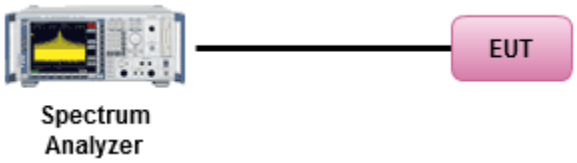
3.5.2 Measuring Instruments

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.

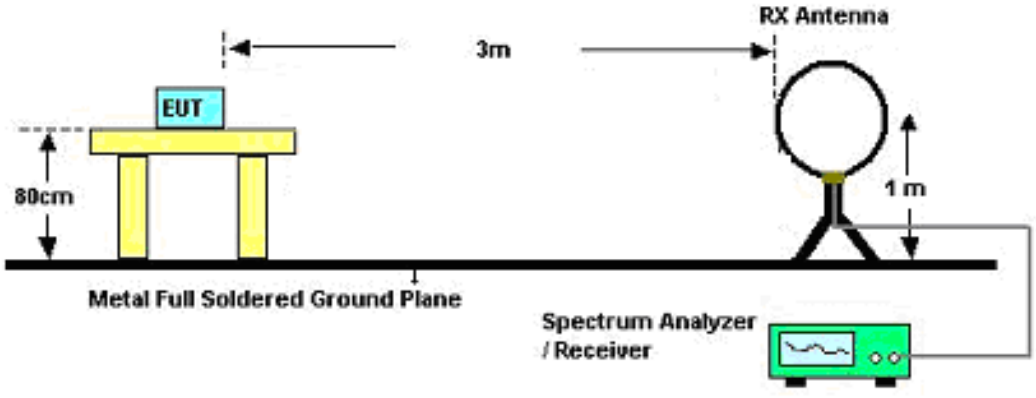
3.6.2 Measuring Instruments

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

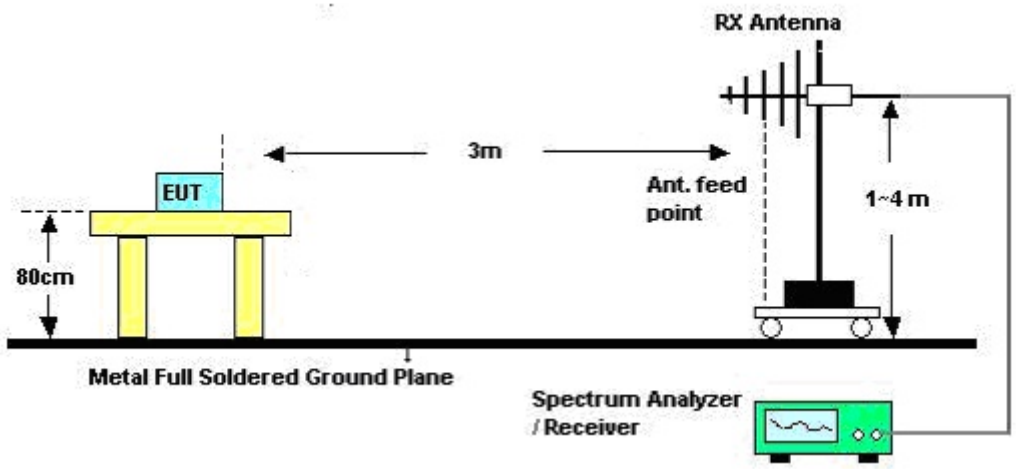
3.6.3 Test Procedures

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 (i.e., 1 MHz).
▪ 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.

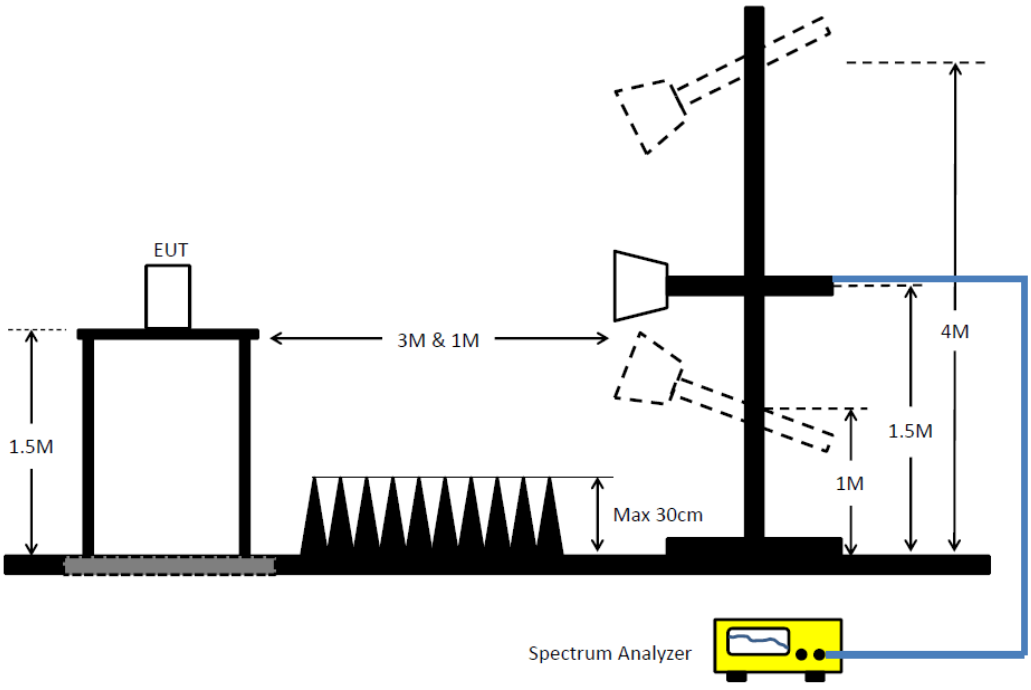
3.6.4 Test Setup

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	ENV 216	101274	9kHz ~ 30MHz	12/Jun/2018	11/Jun/2019
RF Cable-CON	MTJ	RG142	CB001-CO	9kHz ~ 30MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11003G	F308010045	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561F	9495	9kHz ~ 30MHz	11/Oct/2018	10/Oct/2019

NCR : Non-Calibration Require

Instrument for Radiated Test (Below 1GHz)

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	22/Apr/2019	21/Apr/2020
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz - 3 GHz	19/Nov/2018	18/Nov/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	22/Mar/2019	21/Mar/2020
Loop Antenna	TESEQ	HLA 6120	31244	9kHz ~ 30MHz	15/Mar/2019	14/Mar/2020

Instrument for Radiated Test (Above 1GHz)

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz 3m	30/Oct/2018	29/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz 3m	30/Oct/2018	29/Oct/2019
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	23/Apr/2018	19/Apr/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019
Bilog Antenna with 5dB Pad	ETS	3142B & MTJ6102-05	00022055	26 MHz ~ 3 GHz	19/Nov/2018	18/Nov/2019
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz ~ 26.5GHz	05/Sep/2018	04/Sep/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	29/Jan/2019	28/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX 106	CB222	1GHz ~ 40GHz	29/Jan/2019	28/Jan/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170339	18GHz ~ 40GHz	11/Apr/2018	10/Apr/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	18/Apr/ 2018	17/Apr/2019
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz ~ 40GHz	24/Aug/2018	23/Aug/2019

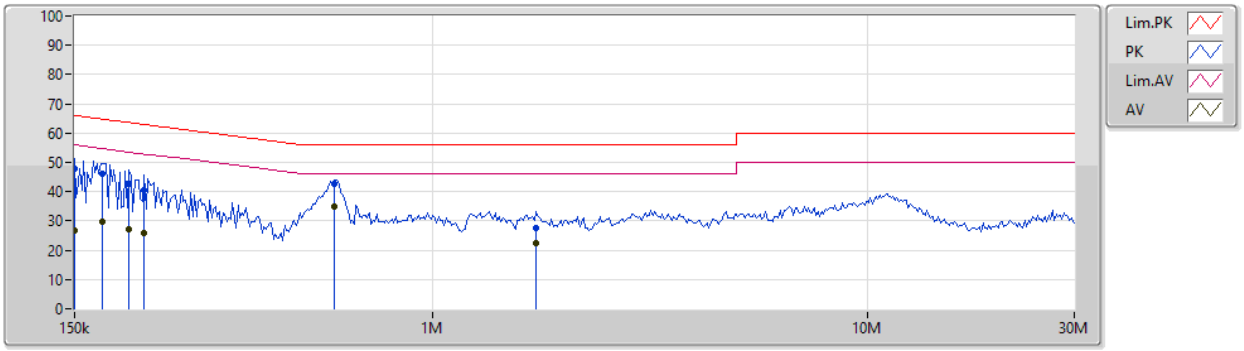
Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101029	10Hz ~ 40GHz	11/Sep/2018	10/Sep/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz ~ 40GHz	12/Nov/2018	10/Nov/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 ~ 1G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G ~ 18G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable - 05	30MHz ~ 1G	11/Jan/2019	10/Jan/2020

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

AC Conduction

28/05/2019

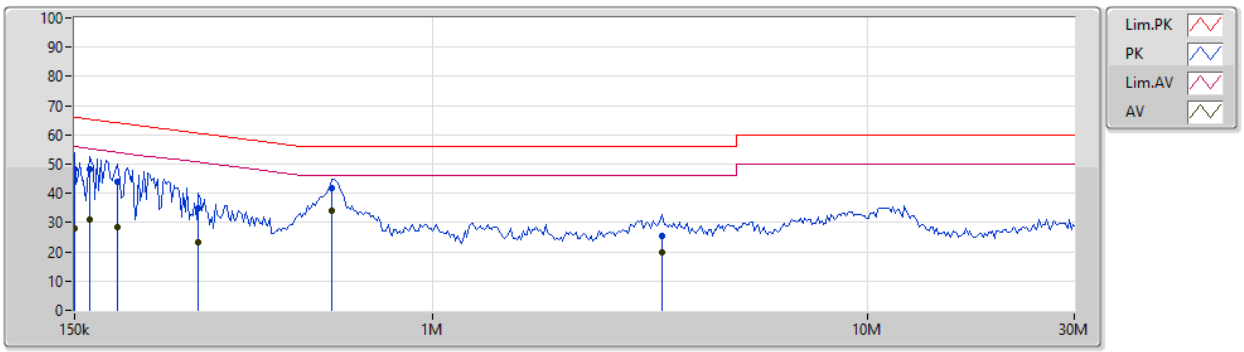


Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	47.76	66.00	-18.24	19.52	Neutral	-	28.24	9.65	0.01	9.86
AV	150k	26.59	56.00	-29.41	19.52	Neutral	-	7.07	9.65	0.01	9.86
QP	174.145k	46.24	64.76	-18.52	19.52	Neutral	-	26.72	9.65	0.01	9.86
AV	174.145k	29.72	54.76	-25.04	19.52	Neutral	-	10.20	9.65	0.01	9.86
QP	200.176k	42.65	63.61	-20.96	19.51	Neutral	-	23.14	9.64	0.01	9.86
AV	200.176k	27.31	53.61	-26.30	19.51	Neutral	-	7.80	9.64	0.01	9.86
QP	216.761k	40.51	62.94	-22.43	19.51	Neutral	-	21.00	9.64	0.01	9.86
AV	216.761k	25.67	52.94	-27.27	19.51	Neutral	-	6.16	9.64	0.01	9.86
QP	592.162k	42.78	56.00	-13.22	19.51	Neutral	-	23.27	9.64	0.01	9.86
AV	592.162k	35.00	46.00	-11.00	19.51	Neutral	"Worst"	15.49	9.64	0.01	9.86
QP	1.734M	27.64	56.00	-28.36	19.55	Neutral	-	8.09	9.65	0.03	9.87
AV	1.734M	22.35	46.00	-23.65	19.55	Neutral	-	2.80	9.65	0.03	9.87

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

AC Conduction

28/05/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	48.20	66.00	-17.80	19.48	Line	-	28.72	9.61	0.01	9.86
AV	150k	27.91	56.00	-28.09	19.48	Line	-	8.43	9.61	0.01	9.86
QP	162.429k	48.33	65.33	-17.00	19.48	Line	-	28.85	9.61	0.01	9.86
AV	162.429k	30.98	55.33	-24.35	19.48	Line	-	11.50	9.61	0.01	9.86
QP	188.574k	43.93	64.11	-20.18	19.48	Line	-	24.45	9.61	0.01	9.86
AV	188.574k	28.61	54.11	-25.50	19.48	Line	-	9.13	9.61	0.01	9.86
QP	289.269k	34.82	60.55	-25.73	19.48	Line	-	15.34	9.61	0.01	9.86
AV	289.269k	23.22	50.55	-27.33	19.48	Line	-	3.74	9.61	0.01	9.86
QP	586.299k	41.80	56.00	-14.20	19.48	Line	-	22.32	9.61	0.01	9.86
AV	586.299k	34.09	46.00	-11.91	19.48	Line	"Worst"	14.61	9.61	0.01	9.86
QP	3.378M	25.49	56.00	-30.51	19.55	Line	-	5.94	9.63	0.04	9.88
AV	3.378M	19.97	46.00	-26.03	19.55	Line	-	0.42	9.63	0.04	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.05M	28.061M	28M1G1D	9.075M	14.718M
802.11g_Nss1,(6Mbps)_1TX	16.4M	23.063M	23M1D1D	16.375M	16.517M
802.11n HT20_Nss1,(MCS0)_1TX	16.425M	23.088M	23M1D1D	16.375M	16.492M
802.11n HT40_Nss1,(MCS0)_1TX	36.45M	36.482M	36M5D1D	36.3M	36.432M

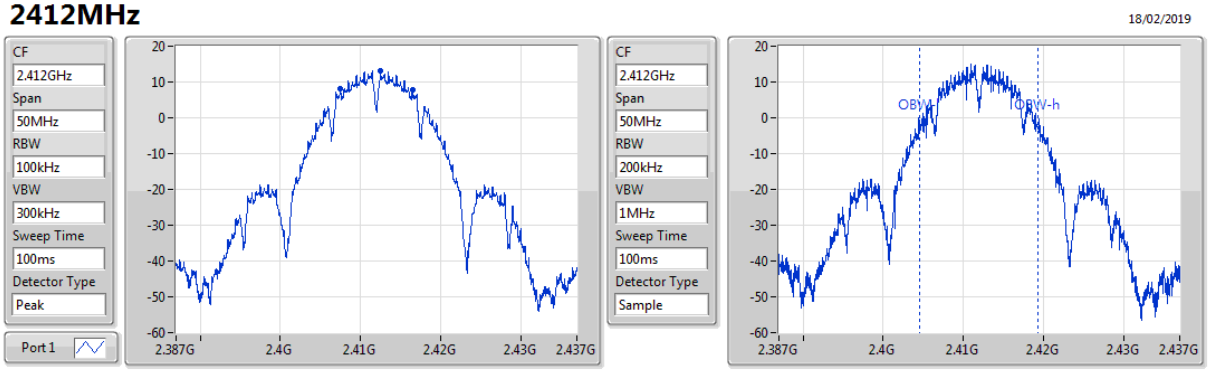
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.075M	14.718M
2437MHz	Pass	500k	10.05M	28.061M
2462MHz	Pass	500k	9.6M	15.692M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.4M	16.567M
2437MHz	Pass	500k	16.375M	23.063M
2462MHz	Pass	500k	16.4M	16.517M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.425M	16.492M
2437MHz	Pass	500k	16.4M	23.088M
2462MHz	Pass	500k	16.375M	16.542M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.3M	36.432M
2437MHz	Pass	500k	36.4M	36.482M
2452MHz	Pass	500k	36.45M	36.432M

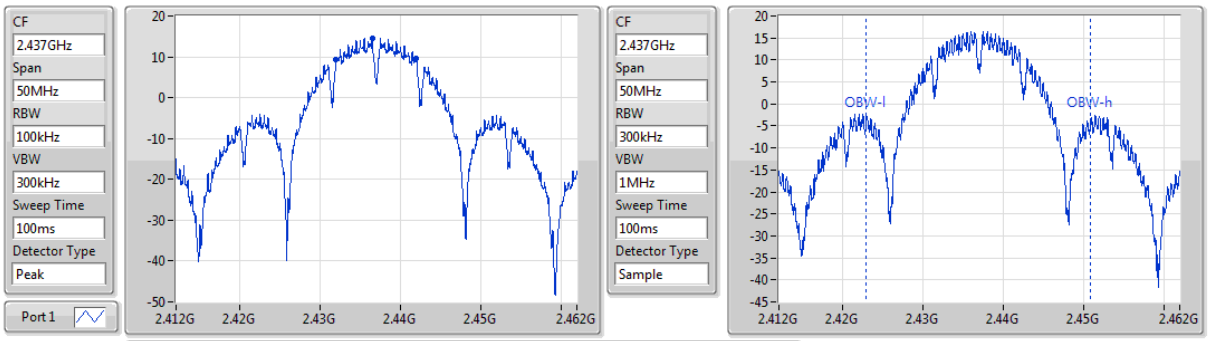
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz



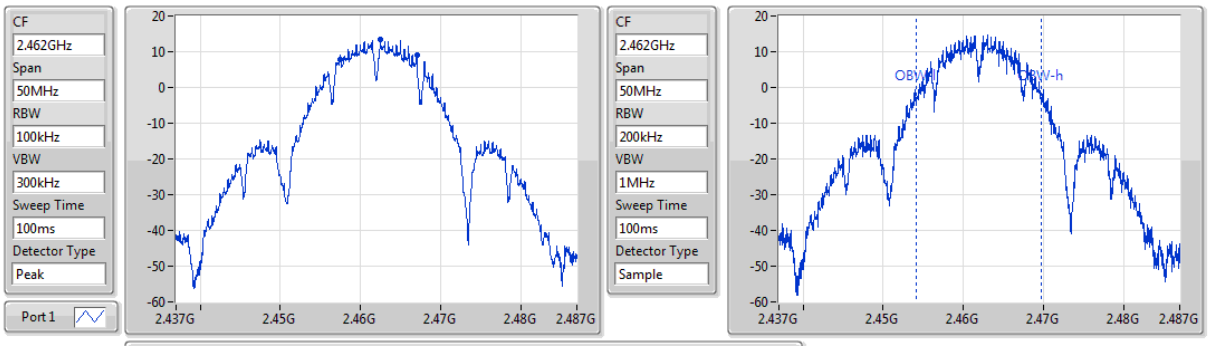
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.075M	2.40745G	2.416525G	14.718M	2.404604G	2.419321G	500k	1

802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.43195G	2.442G	28.061M	2.422832G	2.450893G	500k	1

802.11b_Nss1,(1Mbps)_1TX
EBW
2462MHz



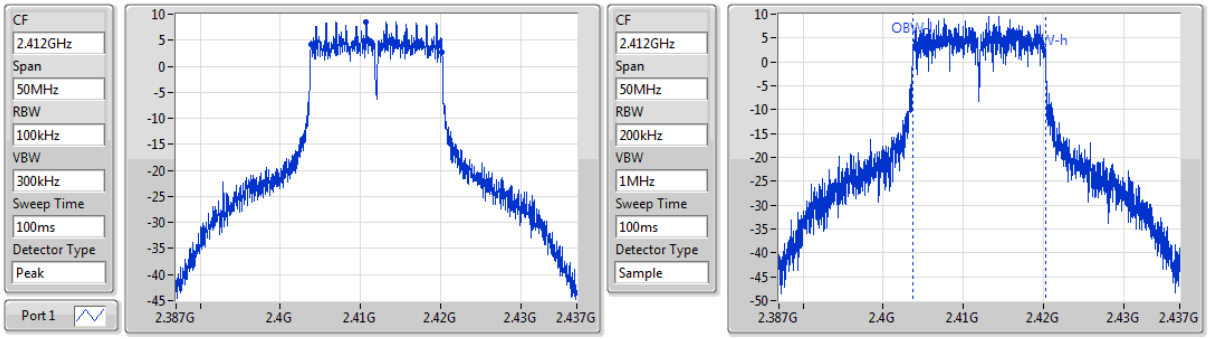
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.6M	2.457425G	2.467025G	15.692M	2.454079G	2.469771G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

18/02/2019



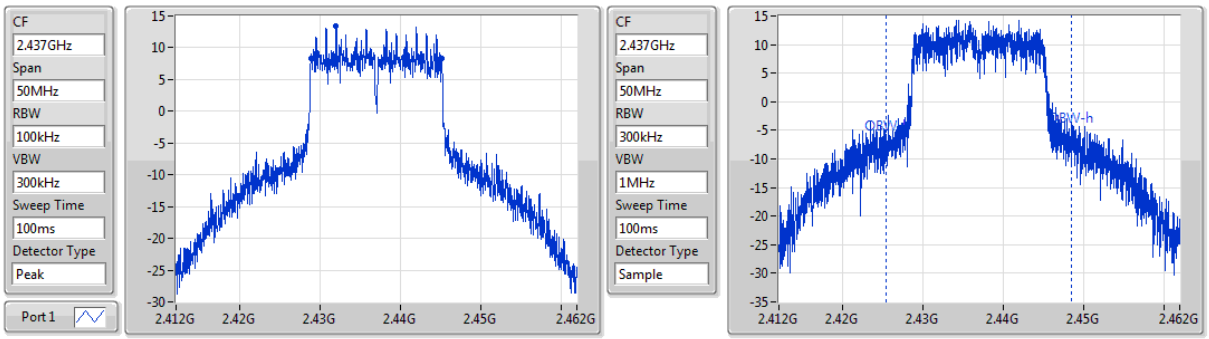
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4038G	2.4202G	16.567M	2.403679G	2.420246G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

18/02/2019



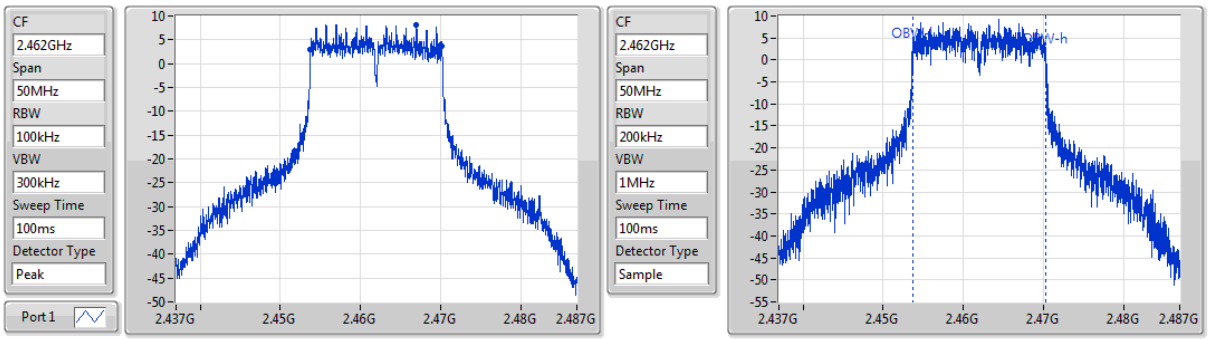
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4288G	2.445175G	23.063M	2.425381G	2.448444G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2462MHz

18/02/2019

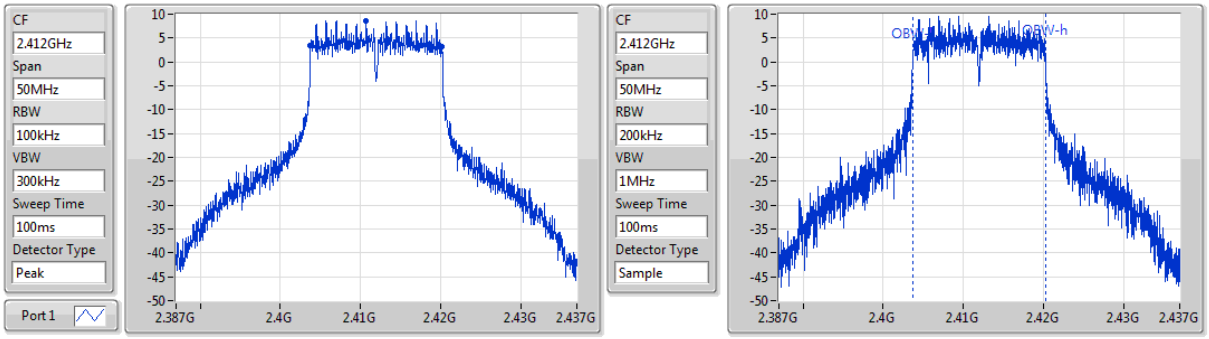


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.453775G	2.470175G	16.517M	2.453704G	2.470221G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

18/02/2019

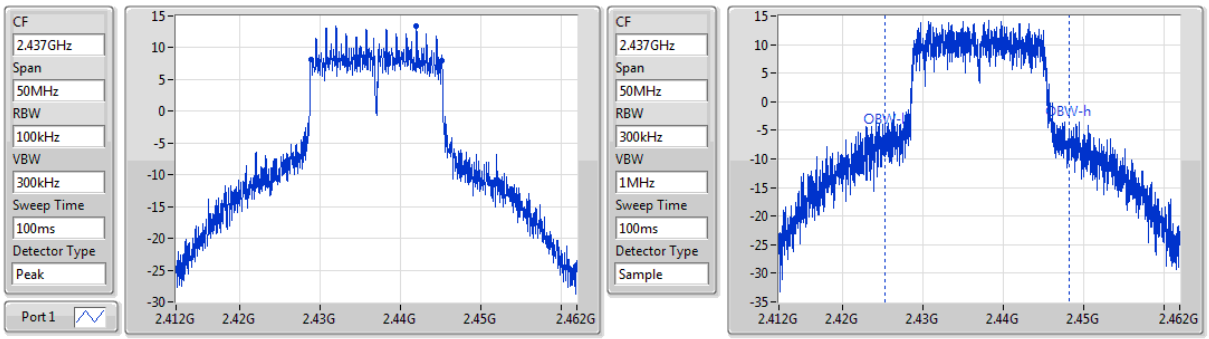


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.425M	2.403775G	2.4202G	16.492M	2.403729G	2.420221G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

18/02/2019

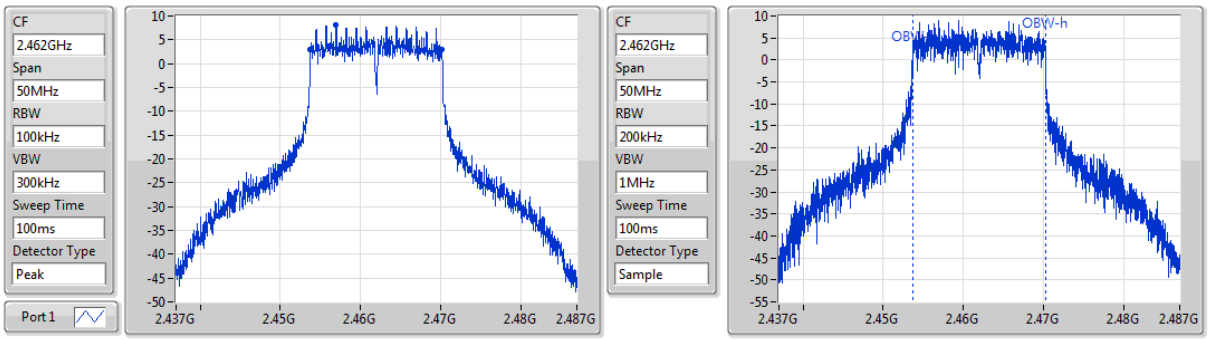


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.4M	2.4288G	2.4452G	23.088M	2.425181G	2.448269G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2462MHz

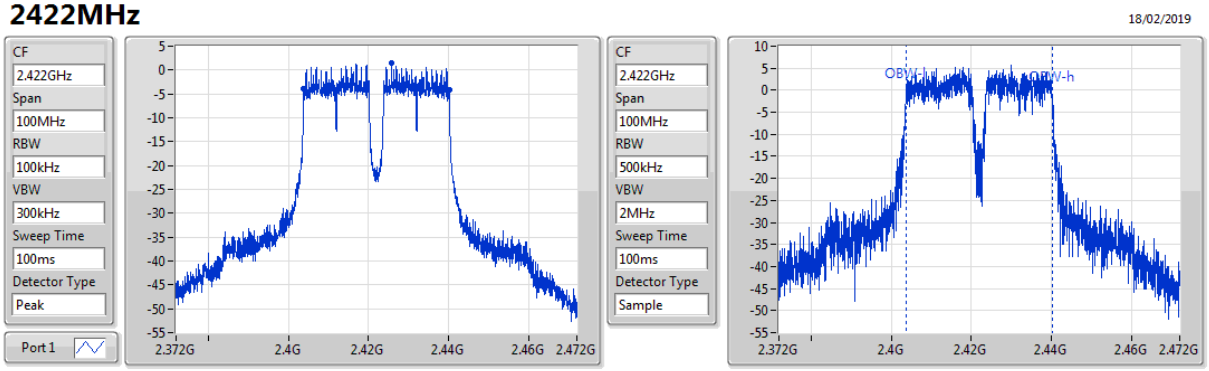
18/02/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.453775G	2.47015G	16.542M	2.453679G	2.470221G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

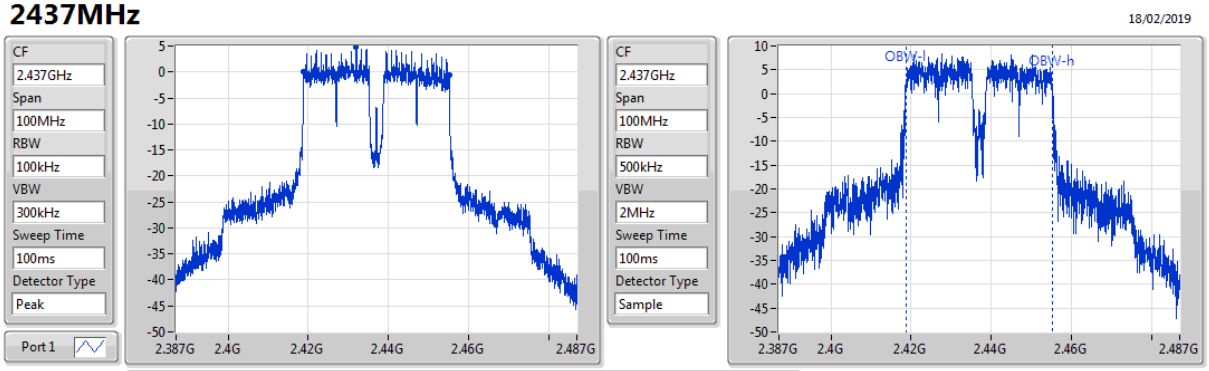
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.40385G	2.44015G	36.432M	2.403709G	2.440141G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

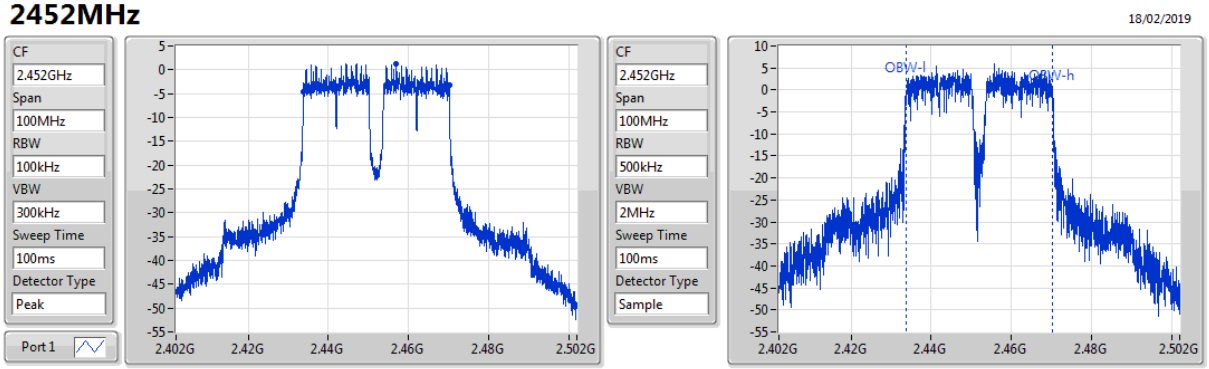
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.4M	2.4188G	2.4552G	36.482M	2.418659G	2.455141G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.45M	2.43375G	2.4702G	36.432M	2.433759G	2.470191G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	20.83	0.12106
802.11g_Nss1,(6Mbps)_1TX	20.46	0.11117
802.11n HT20_Nss1,(MCS0)_1TX	20.51	0.11246
802.11n HT40_Nss1,(MCS0)_1TX	17.83	0.06067

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	20.68	20.68	30.00
2417MHz	Pass	2.00	20.72	20.72	30.00
2437MHz	Pass	2.00	20.83	20.83	30.00
2457MHz	Pass	2.00	20.59	20.59	30.00
2462MHz	Pass	2.00	20.76	20.76	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	19.39	19.39	30.00
2417MHz	Pass	2.00	20.13	20.13	30.00
2437MHz	Pass	2.00	20.46	20.46	30.00
2457MHz	Pass	2.00	20.21	20.21	30.00
2462MHz	Pass	2.00	19.10	19.10	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	19.24	19.24	30.00
2417MHz	Pass	2.00	20.34	20.34	30.00
2437MHz	Pass	2.00	20.51	20.51	30.00
2457MHz	Pass	2.00	20.02	20.02	30.00
2462MHz	Pass	2.00	18.85	18.85	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.00	14.70	14.70	30.00
2427MHz	Pass	2.00	16.90	16.90	30.00
2437MHz	Pass	2.00	17.83	17.83	30.00
2447MHz	Pass	2.00	16.49	16.49	30.00
2452MHz	Pass	2.00	14.92	14.92	30.00

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted average output power is for reference only

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-1.31
802.11g_Nss1,(6Mbps)_1TX	-2.66
802.11n HT20_Nss1,(MCS0)_1TX	-3.74
802.11n HT40_Nss1,(MCS0)_1TX	-10.81

RBW=3kHz.

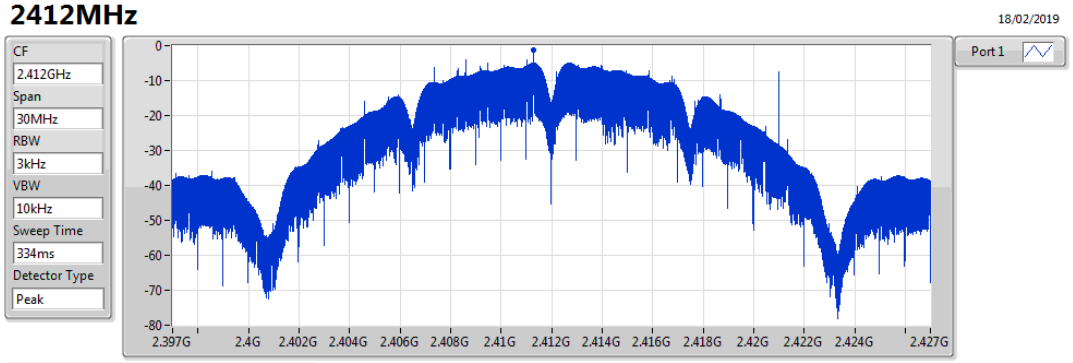
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-1.37	-1.37	8.00
2437MHz	Pass	2.00	-1.31	-1.31	8.00
2462MHz	Pass	2.00	-2.59	-2.59	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-7.18	-7.18	8.00
2437MHz	Pass	2.00	-2.66	-2.66	8.00
2462MHz	Pass	2.00	-7.47	-7.47	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-8.06	-8.06	8.00
2437MHz	Pass	2.00	-3.74	-3.74	8.00
2462MHz	Pass	2.00	-7.82	-7.82	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.00	-14.10	-14.10	8.00
2437MHz	Pass	2.00	-10.81	-10.81	8.00
2452MHz	Pass	2.00	-13.93	-13.93	8.00

DG = Directional Gain; RBW=3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

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

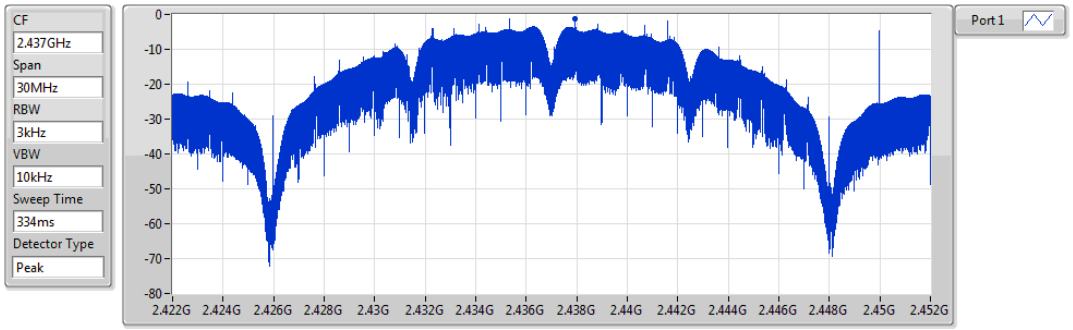
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.37	-1.37	-1.37

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

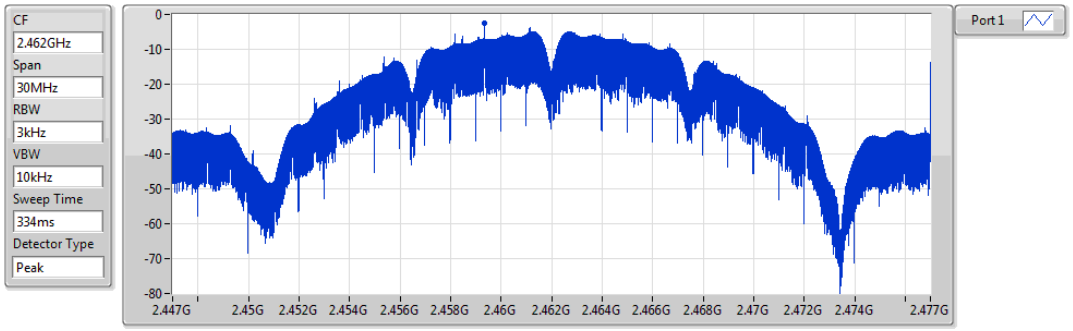
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.31	-1.31	-1.31

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

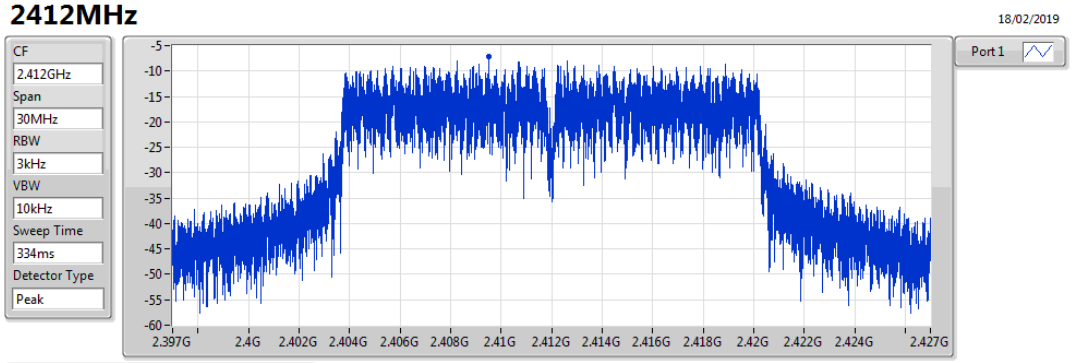
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.59	-2.59	-2.59

802.11g_Nss1,(6Mbps)_1TX PSD

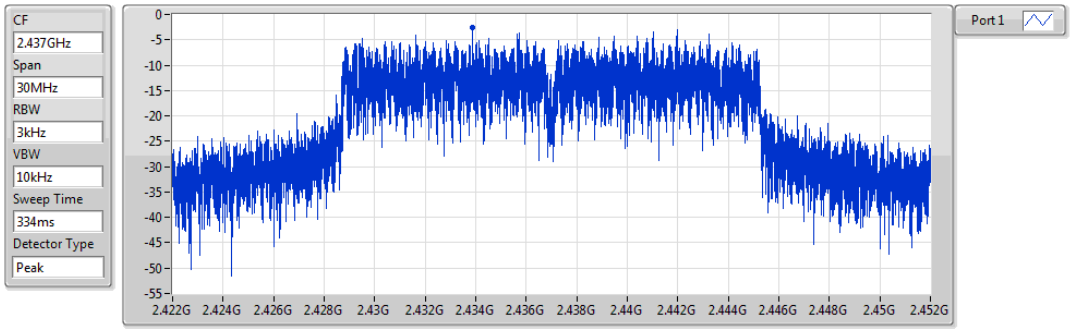
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.18	-7.18	-7.18

802.11g_Nss1,(6Mbps)_1TX PSD

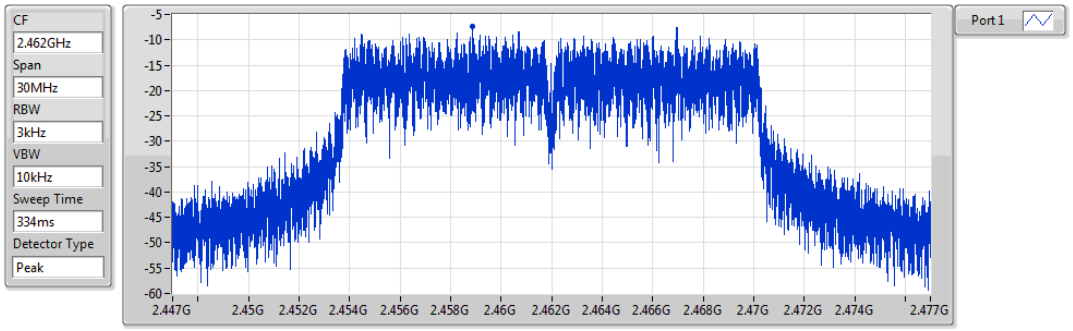
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.66	-2.66	-2.66

802.11g_Nss1,(6Mbps)_1TX PSD

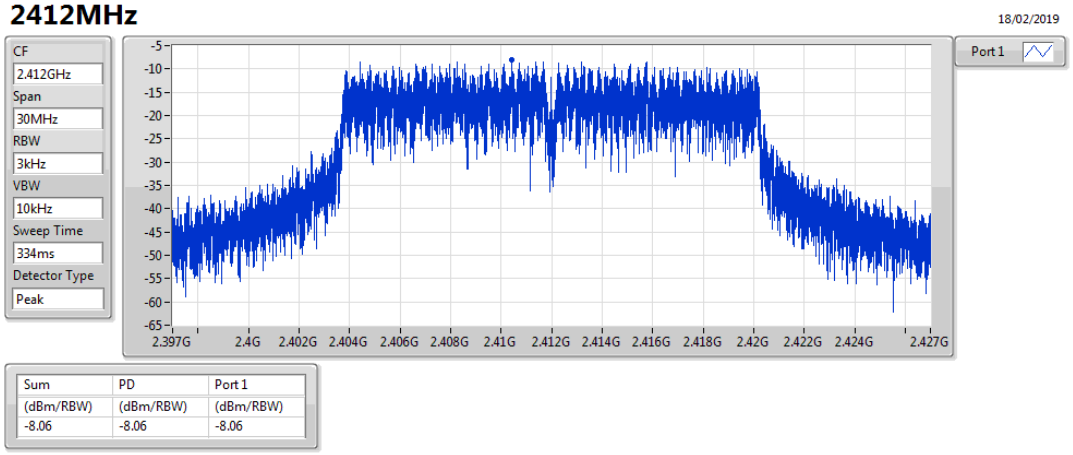
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.47	-7.47	-7.47

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

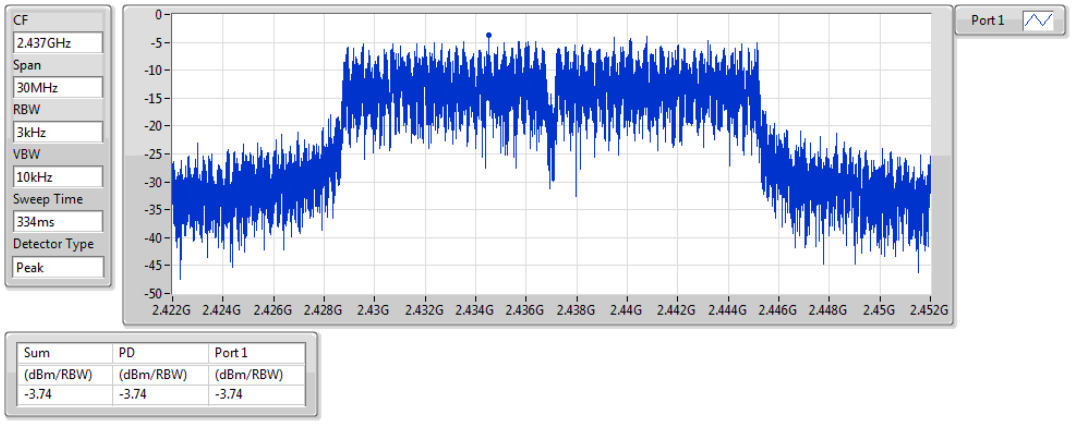
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.06	-8.06	-8.06

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

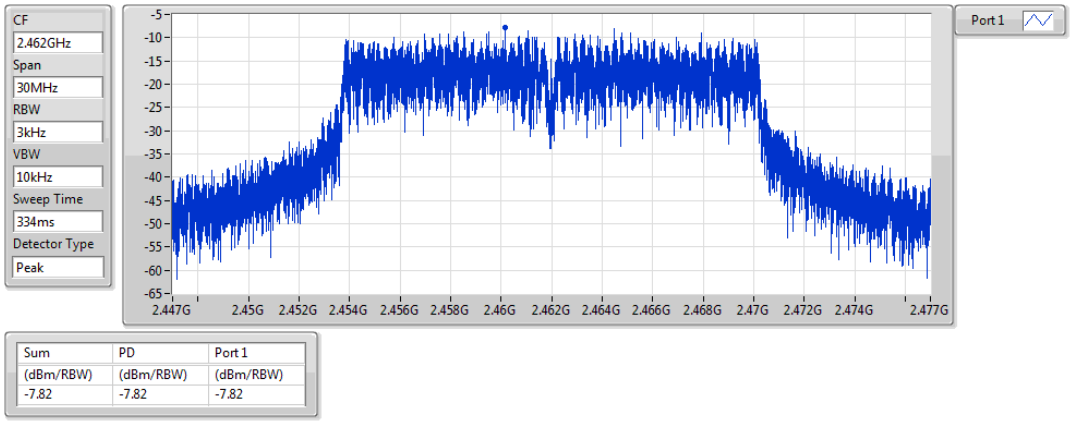
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.74	-3.74	-3.74

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

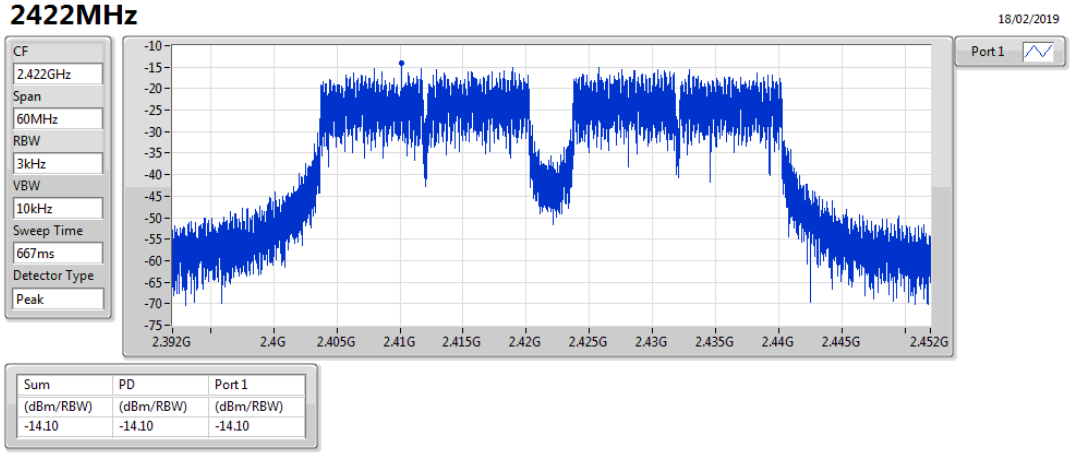
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.82	-7.82	-7.82

802.11n HT40_Nss1,(MCS0)_1TX PSD

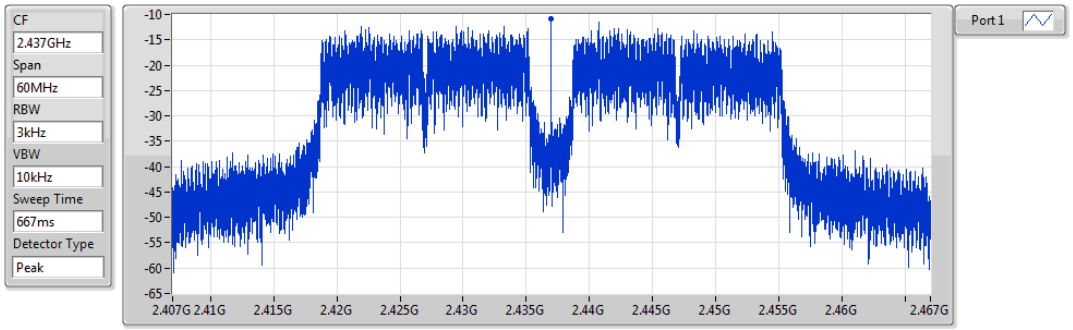
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.10	-14.10	-14.10

802.11n HT40_Nss1,(MCS0)_1TX PSD

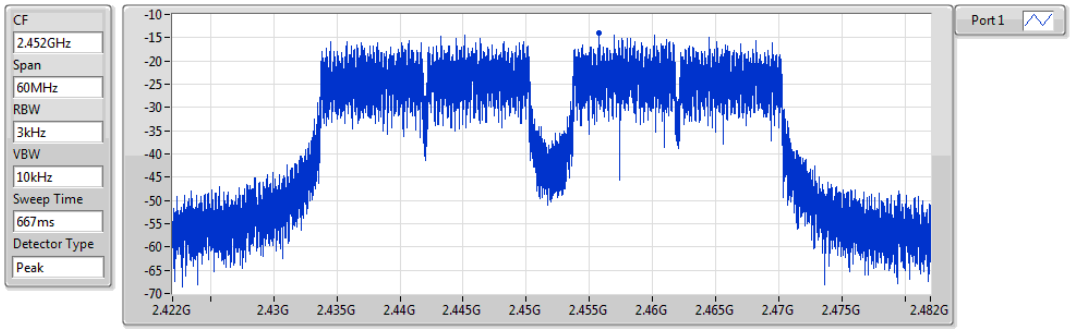
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.81	-10.81	-10.81

802.11n HT40_Nss1,(MCS0)_1TX PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.93	-13.93	-13.93

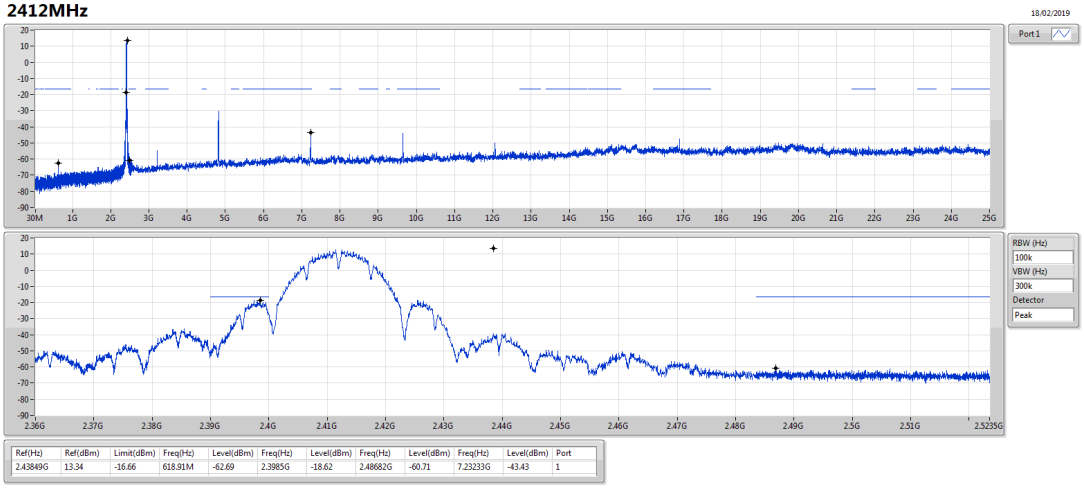
Summary

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	2.43849G	13.34	-16.66	618.91M	-62.69	2.3985G	-18.62	2.48682G	-60.71	7.23233G	-43.43	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	12.92	-17.08	2.1602G	-60.02	2.39638G	-19.67	2.48444G	-58.68	7.23514G	-51.02	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43198G	12.80	-17.20	2.1602G	-54.59	2.3995G	-20.42	2.49598G	-56.66	3.21465G	-49.76	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.44075G	4.86	-25.14	2.30626G	-55.59	2.3992G	-25.18	2.48382G	-38.27	3.24781G	-47.39	1

Result

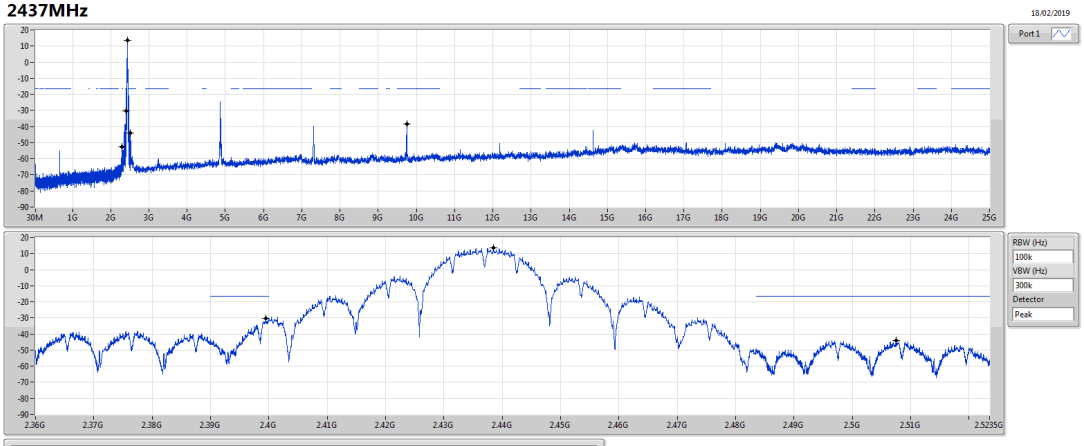
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43849G	13.34	-16.66	618.91M	-62.69	2.3985G	-18.62	2.48682G	-60.71	7.23233G	-43.43	1
2437MHz	Pass	2.43849G	13.34	-16.66	2.30175G	-52.48	2.39948G	-30.19	2.5075G	-44.02	9.74689G	-38.25	1
2462MHz	Pass	2.43849G	13.34	-16.66	2.1602G	-62.03	2.39998G	-53.60	2.49148G	-39.73	9.84803G	-45.01	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	12.92	-17.08	2.1602G	-60.02	2.39638G	-19.67	2.48444G	-58.68	7.23514G	-51.02	1
2437MHz	Pass	2.43198G	12.92	-17.08	2.30495G	-60.13	2.39986G	-34.78	2.48352G	-44.19	15.0991G	-49.36	1
2462MHz	Pass	2.43198G	12.92	-17.08	2.30408G	-57.99	2.39998G	-51.97	2.48354G	-34.25	3.28208G	-45.20	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	12.80	-17.20	2.1602G	-54.59	2.3995G	-20.42	2.49598G	-56.66	3.21465G	-49.76	1
2437MHz	Pass	2.43198G	12.80	-17.20	2.1602G	-58.35	2.39976G	-34.74	2.48632G	-45.25	3.24837G	-49.93	1
2462MHz	Pass	2.43198G	12.80	-17.20	2.1602G	-57.85	2.39998G	-50.96	2.4839G	-34.12	3.28208G	-45.24	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44075G	4.86	-25.14	2.15999G	-62.33	2.39888G	-29.03	2.48378G	-55.36	3.22818G	-50.60	1
2437MHz	Pass	2.44075G	4.86	-25.14	2.30626G	-55.59	2.3992G	-25.18	2.48382G	-38.27	3.24781G	-47.39	1
2452MHz	Pass	2.44075G	4.86	-25.14	2.15999G	-61.79	2.39956G	-46.07	2.48482G	-33.18	3.26745G	-48.37	1

802.11b_Nss1,(1Mbps)_1TX
2412MHz
CSE NdB



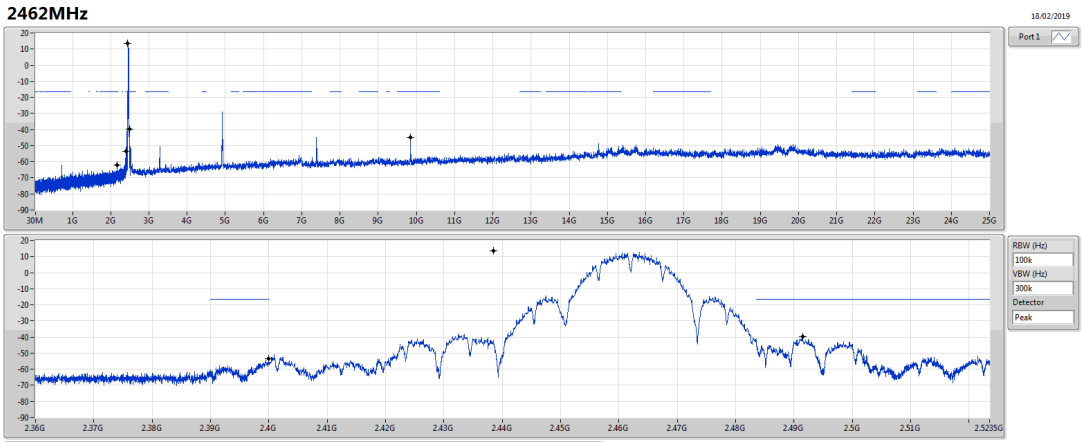
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	13.34	-16.66	618.91M	-62.69	2.3985G	-18.62	2.48682G	-60.71	7.23233G	-43.43	1

802.11b_Nss1,(1Mbps)_1TX
2437MHz
CSE NdB



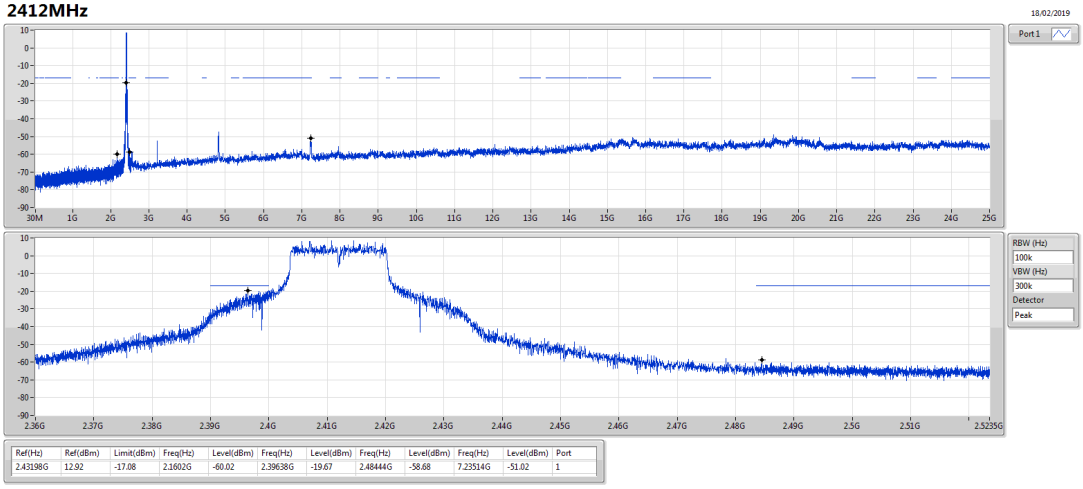
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	13.34	-16.66	2.30175G	-52.48	2.39948G	-30.19	2.5075G	-44.02	9.74689G	-38.25	1

802.11b_Nss1,(1Mbps)_1TX
2462MHz
CSE NdB



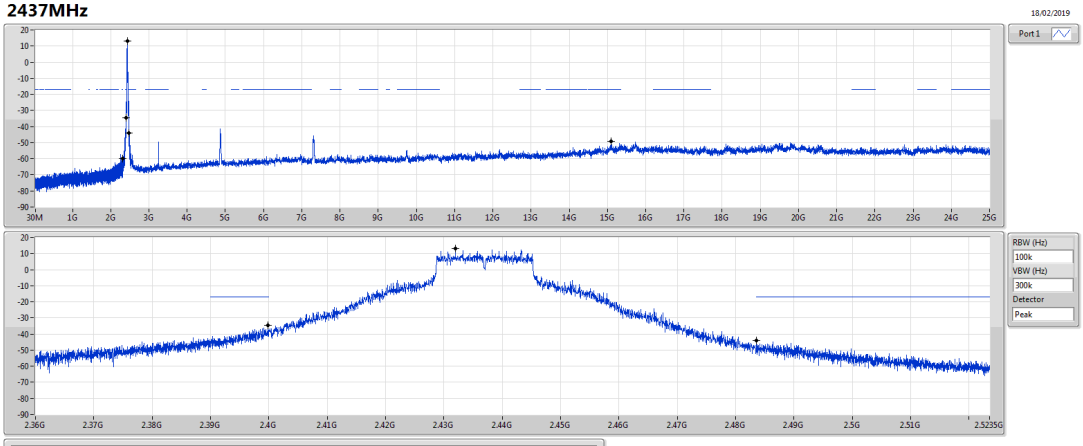
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43849G	13.34	-16.66	2.1602G	-62.03	2.39998G	-53.60	2.49148G	-39.73	9.84803G	-45.01	1

802.11g_Nss1,(6Mbps)_1TX
CSE NdB
2412MHz



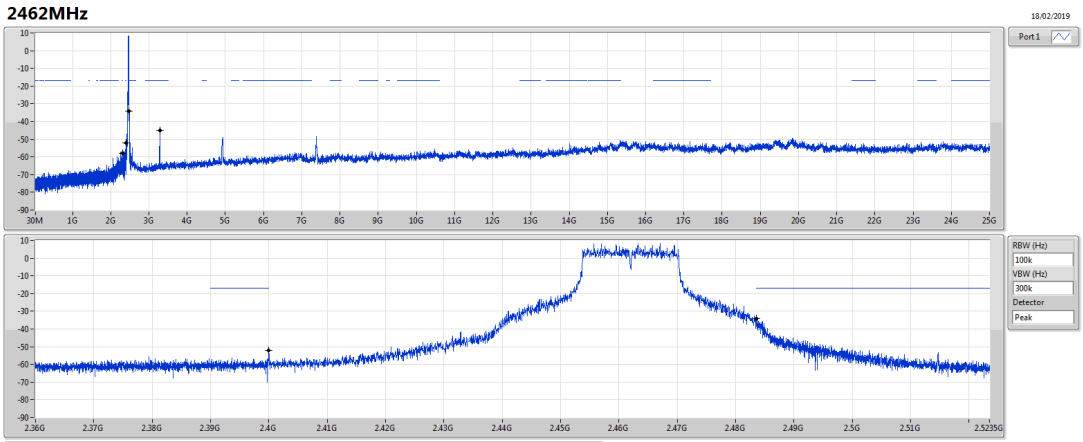
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.92	-17.08	2.1602G	-60.02	2.39638G	-19.67	2.48444G	-58.68	7.23514G	-51.02	1

802.11g_Nss1,(6Mbps)_1TX
CSE NdB
2437MHz



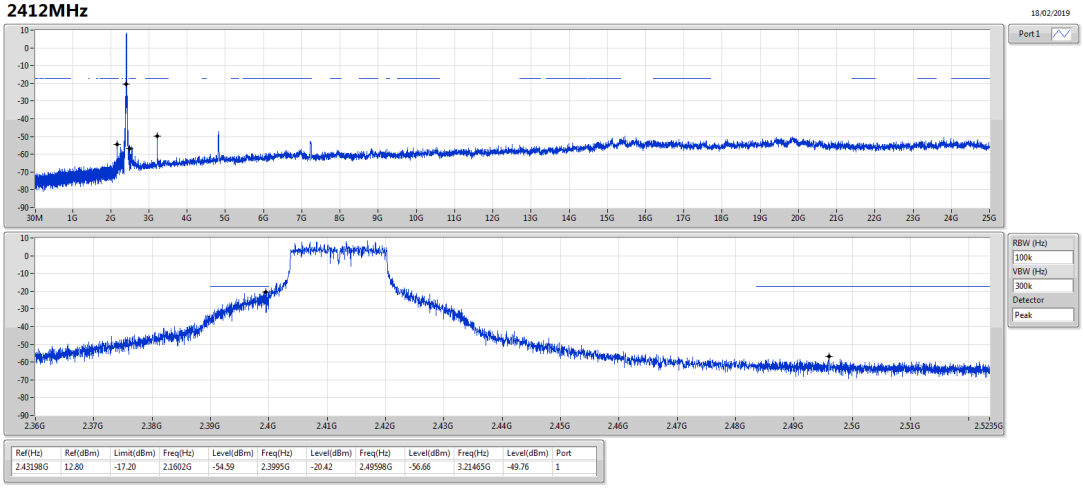
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.92	-17.08	2.30495G	-60.13	2.39986G	-34.78	2.48352G	-44.19	15.0991G	-49.36	1

802.11g_Nss1,(6Mbps)_1TX
CSE NdB
2462MHz



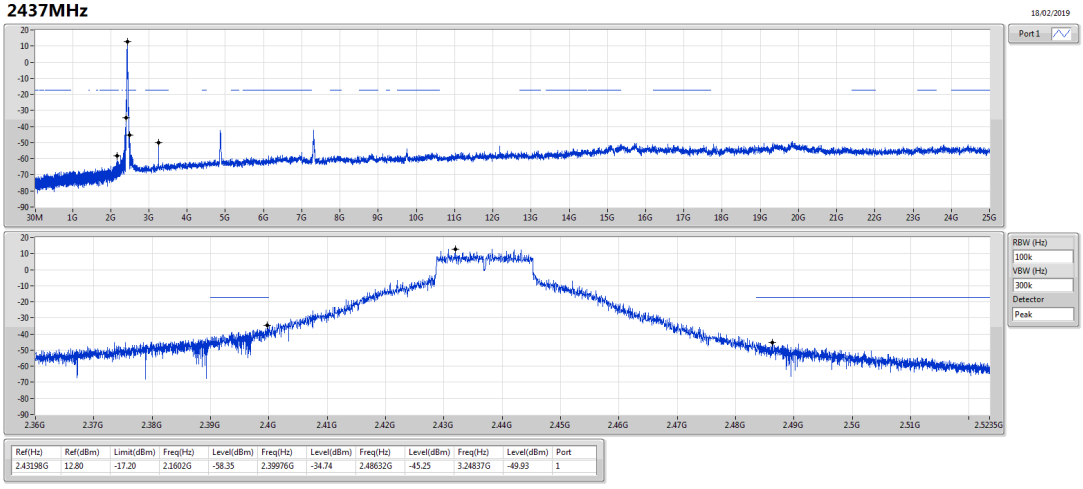
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.92	-17.08	2.30408G	-57.99	2.39998G	-51.97	2.48354G	-34.25	3.28208G	-45.20	1

802.11n HT20_Nss1,(MCS0)_1TX
CSE NdB
2412MHz



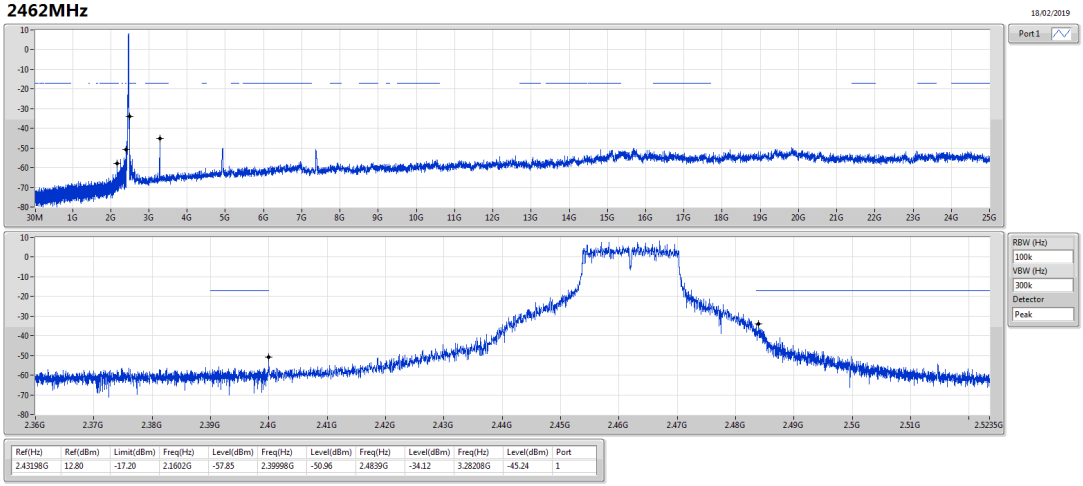
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.80	-17.20	2.1602G	-54.59	2.3995G	-20.42	2.49598G	-56.66	3.21465G	-49.76	1

802.11n HT20_Nss1,(MCS0)_1TX
CSE NdB
2437MHz



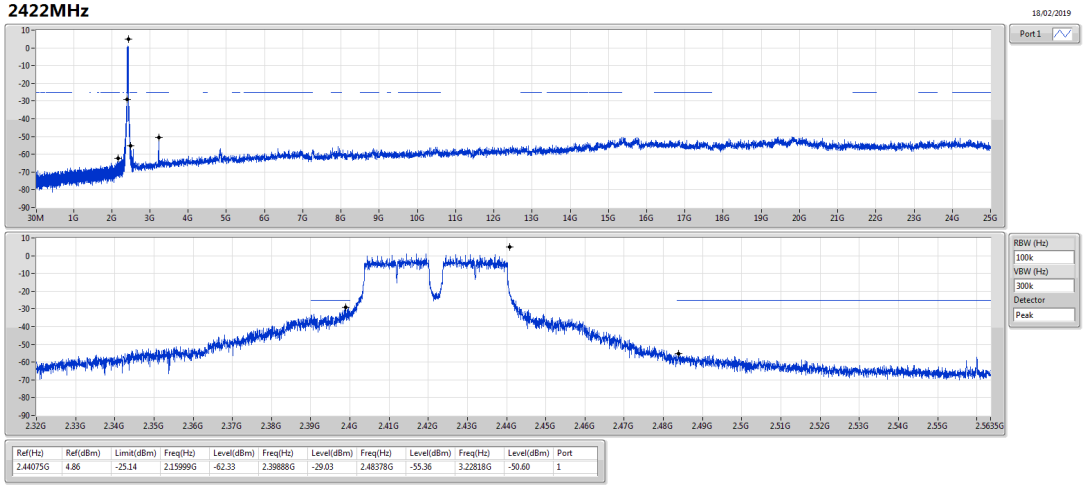
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.80	-17.20	2.1602G	-58.35	2.39976G	-34.74	2.48632G	-45.25	3.24837G	-49.93	1

802.11n HT20_Nss1,(MCS0)_1TX
CSE NdB
2462MHz



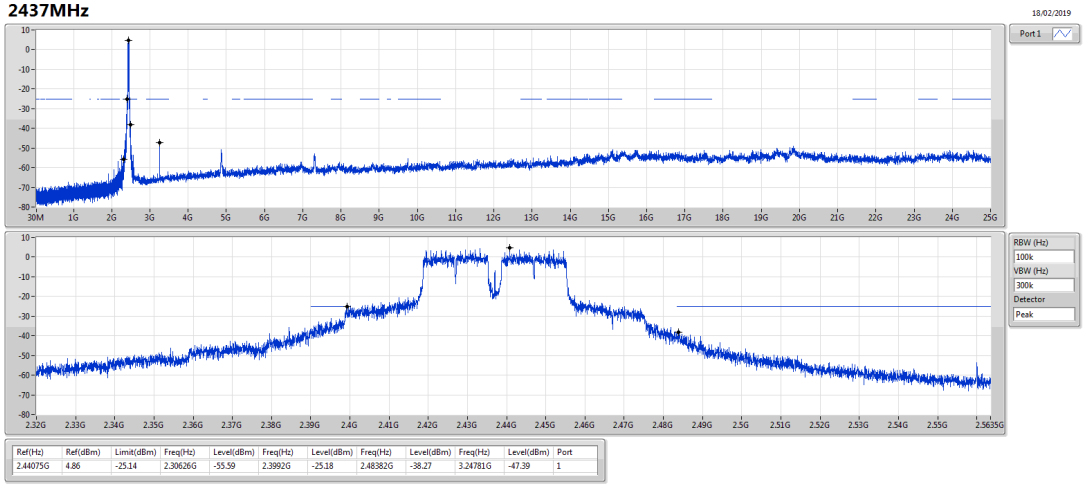
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	12.80	-17.20	2.1602G	-57.85	2.39998G	-50.96	2.4839G	-34.12	3.28208G	-45.24	1

802.11n HT40_Nss1,(MCS0)_1TX
CSE NdB
2422MHz



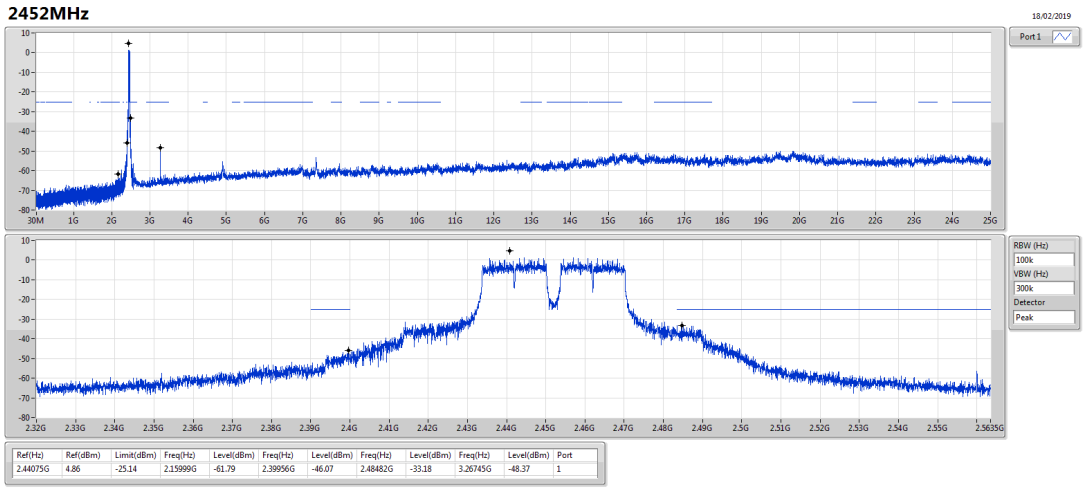
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44075G	4.86	-25.14	2.15999G	-62.33	2.39888G	-29.03	2.48378G	-55.36	3.22818G	-50.60	1

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
2.44075G	4.86	-25.14	2.30626G	-55.59	2.3992G	-25.18	2.48382G	-38.27	3.24781G	-47.39	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
2.44075G	4.86	-25.14	2.15999G	-61.79	2.39956G	-46.07	2.48482G	-33.18	3.26745G	-48.37	1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	QP	47.46M	39.00	40.00	-1.00	-12.92	3	Vertical	349	1.00	-

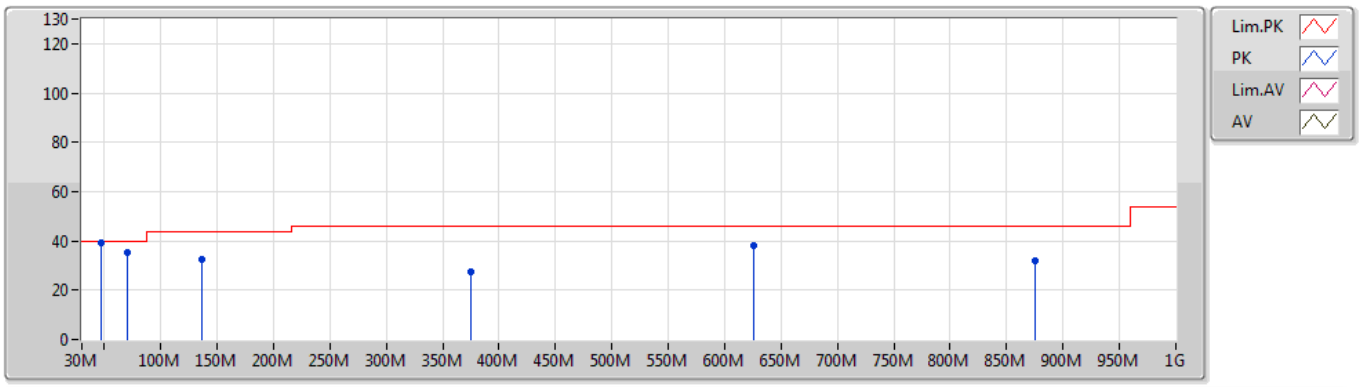
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	136.7M	32.25	43.50	-11.25	-9.45	3	Vertical	0	1.00	-
2437MHz	Pass	PK	375.32M	27.27	46.00	-18.73	-4.48	3	Vertical	0	1.00	-
2437MHz	Pass	PK	625.58M	37.96	46.00	-8.04	-0.43	3	Vertical	0	1.00	-
2437MHz	Pass	PK	875.84M	31.68	46.00	-14.32	2.15	3	Vertical	0	1.00	-
2437MHz	Pass	QP	47.46M	39.00	40.00	-1.00	-12.92	3	Vertical	349	1.00	-
2437MHz	Pass	QP	70.74M	35.34	40.00	-4.66	-15.31	3	Vertical	7	1.79	-
2437MHz	Pass	PK	72.68M	36.31	40.00	-3.69	-15.33	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	138.64M	34.16	43.50	-9.34	-9.58	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	235.64M	30.59	46.00	-15.41	-8.70	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	375.32M	31.69	46.00	-14.31	-4.48	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	625.58M	33.13	46.00	-12.87	-0.43	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	838.98M	29.93	46.00	-16.07	1.71	3	Horizontal	360	3.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE

27/05/2019

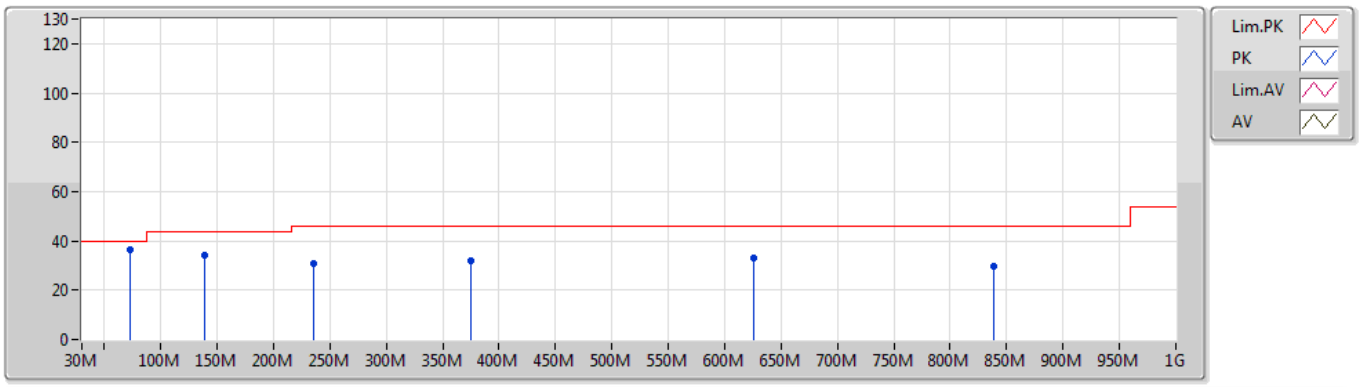


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	136.7M	32.25	43.50	-11.25	-9.45	3	Vertical	0	1.00	-
PK	375.32M	27.27	46.00	-18.73	-4.48	3	Vertical	0	1.00	-
PK	625.58M	37.96	46.00	-8.04	-0.43	3	Vertical	0	1.00	-
PK	875.84M	31.68	46.00	-14.32	2.15	3	Vertical	0	1.00	-
QP	47.46M	39.00	40.00	-1.00	-12.92	3	Vertical	349	1.00	-
QP	70.74M	35.34	40.00	-4.66	-15.31	3	Vertical	7	1.79	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE

27/05/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	72.68M	36.31	40.00	-3.69	-15.33	3	Horizontal	360	1.00	-
PK	138.64M	34.16	43.50	-9.34	-9.58	3	Horizontal	360	1.00	-
PK	235.64M	30.59	46.00	-15.41	-8.70	3	Horizontal	360	1.00	-
PK	375.32M	31.69	46.00	-14.31	-4.48	3	Horizontal	360	1.00	-
PK	625.58M	33.13	46.00	-12.87	-0.43	3	Horizontal	360	1.00	-
PK	838.98M	29.93	46.00	-16.07	1.71	3	Horizontal	360	3.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	AV	2.39G	53.79	54.00	-0.21	30.69	3	Horizontal	133	1.13	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.3896G	53.89	54.00	-0.11	30.69	3	Horizontal	136	1.13	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.3896G	53.85	54.00	-0.15	30.69	3	Vertical	229	1.37	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.4848G	53.42	54.00	-0.58	30.97	3	Horizontal	135	1.23	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.383G	49.65	54.00	-4.35	30.67	3	Vertical	177	2.10	-
2412MHz	Pass	AV	2.4128G	97.66	Inf	-Inf	30.76	3	Vertical	177	2.10	-
2412MHz	Pass	PK	2.3848G	59.20	74.00	-14.80	30.67	3	Vertical	177	2.10	-
2412MHz	Pass	PK	2.4128G	99.69	Inf	-Inf	30.76	3	Vertical	177	2.10	-
2412MHz	Pass	PK	2.3828G	60.09	74.00	-13.91	30.67	3	Horizontal	134	1.09	-
2412MHz	Pass	AV	2.3836G	51.63	54.00	-2.37	30.67	3	Horizontal	134	1.09	-
2412MHz	Pass	PK	2.4128G	102.32	Inf	-Inf	30.76	3	Horizontal	134	1.09	-
2412MHz	Pass	AV	2.4128G	100.23	Inf	-Inf	30.76	3	Horizontal	134	1.09	-
2412MHz	Pass	AV	4.82396G	36.83	54.00	-17.17	6.53	3	Vertical	183	2.24	-
2412MHz	Pass	PK	4.82376G	46.33	74.00	-27.67	6.53	3	Vertical	183	2.24	-
2412MHz	Pass	AV	4.82388G	35.87	54.00	-18.13	6.53	3	Horizontal	131	1.03	-
2412MHz	Pass	PK	4.82368G	45.88	74.00	-28.12	6.53	3	Horizontal	131	1.03	-
2417MHz	Pass	AV	2.39G	53.31	54.00	-0.69	30.69	3	Vertical	177	1.95	-
2417MHz	Pass	AV	2.4162G	98.16	Inf	-Inf	30.77	3	Vertical	177	1.95	-
2417MHz	Pass	PK	2.3898G	60.21	74.00	-13.79	30.69	3	Vertical	177	1.95	-
2417MHz	Pass	PK	2.416G	100.23	Inf	-Inf	30.77	3	Vertical	177	1.95	-
2417MHz	Pass	AV	2.39G	53.79	54.00	-0.21	30.69	3	Horizontal	133	1.13	-
2417MHz	Pass	AV	2.4162G	101.50	Inf	-Inf	30.77	3	Horizontal	133	1.13	-
2417MHz	Pass	PK	2.39G	60.53	74.00	-13.47	30.69	3	Horizontal	133	1.13	-
2417MHz	Pass	PK	2.416G	103.51	Inf	-Inf	30.77	3	Horizontal	133	1.13	-
2437MHz	Pass	AV	2.3882G	48.30	54.00	-5.70	30.68	3	Vertical	177	2.02	-
2437MHz	Pass	AV	2.4378G	98.17	Inf	-Inf	30.83	3	Vertical	177	2.02	-
2437MHz	Pass	AV	2.4838G	47.93	54.00	-6.07	30.97	3	Vertical	177	2.02	-
2437MHz	Pass	PK	2.3834G	58.40	74.00	-15.60	30.67	3	Vertical	177	2.02	-
2437MHz	Pass	PK	2.4378G	100.23	Inf	-Inf	30.83	3	Vertical	177	2.02	-
2437MHz	Pass	PK	2.4838G	58.32	74.00	-15.68	30.97	3	Vertical	177	2.02	-
2437MHz	Pass	AV	2.3882G	49.70	54.00	-4.30	30.68	3	Horizontal	134	1.05	-
2437MHz	Pass	AV	2.4362G	101.02	Inf	-Inf	30.83	3	Horizontal	134	1.05	-
2437MHz	Pass	AV	2.4846G	48.67	54.00	-5.33	30.97	3	Horizontal	134	1.05	-
2437MHz	Pass	PK	2.3782G	59.12	74.00	-14.88	30.65	3	Horizontal	134	1.05	-
2437MHz	Pass	PK	2.4362G	103.07	Inf	-Inf	30.83	3	Horizontal	134	1.05	-
2437MHz	Pass	PK	2.4846G	58.68	74.00	-15.32	30.97	3	Horizontal	134	1.05	-
2437MHz	Pass	AV	4.87394G	41.36	54.00	-12.64	6.65	3	Vertical	202	1.51	-
2437MHz	Pass	PK	4.87368G	48.55	74.00	-25.45	6.65	3	Vertical	202	1.51	-
2437MHz	Pass	AV	4.87394G	40.84	54.00	-13.16	6.65	3	Horizontal	134	1.08	-
2437MHz	Pass	PK	4.87386G	47.98	74.00	-26.02	6.65	3	Horizontal	134	1.08	-
2457MHz	Pass	AV	2.4578G	96.59	Inf	-Inf	30.89	3	Vertical	173	1.91	-
2457MHz	Pass	AV	2.4864G	47.94	54.00	-6.06	30.98	3	Vertical	173	1.91	-
2457MHz	Pass	PK	2.4578G	98.66	Inf	-Inf	30.89	3	Vertical	173	1.91	-
2457MHz	Pass	PK	2.4862G	58.90	74.00	-15.10	30.98	3	Vertical	173	1.91	-
2457MHz	Pass	AV	2.4578G	98.89	Inf	-Inf	30.89	3	Horizontal	139	1.14	-
2457MHz	Pass	AV	2.4944G	48.46	54.00	-5.54	31.00	3	Horizontal	139	1.14	-
2457MHz	Pass	PK	2.4578G	100.97	Inf	-Inf	30.89	3	Horizontal	139	1.14	-
2457MHz	Pass	PK	2.4856G	59.63	74.00	-14.37	30.98	3	Horizontal	139	1.14	-
2462MHz	Pass	AV	2.4612G	96.38	Inf	-Inf	30.90	3	Vertical	177	1.98	-
2462MHz	Pass	AV	2.4835G	48.43	54.00	-5.57	30.97	3	Vertical	177	1.98	-
2462MHz	Pass	PK	2.461G	98.40	Inf	-Inf	30.90	3	Vertical	177	1.98	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4896G	59.18	74.00	-14.82	30.99	3	Vertical	177	1.98	-
2462MHz	Pass	AV	2.4612G	98.71	Inf	-Inf	30.90	3	Horizontal	139	1.02	-
2462MHz	Pass	AV	2.4835G	49.76	54.00	-4.24	30.97	3	Horizontal	139	1.02	-
2462MHz	Pass	PK	2.4612G	100.72	Inf	-Inf	30.90	3	Horizontal	139	1.02	-
2462MHz	Pass	PK	2.4835G	59.99	74.00	-14.01	30.97	3	Horizontal	139	1.02	-
2462MHz	Pass	AV	4.9239G	37.35	54.00	-16.65	6.77	3	Vertical	203	1.46	-
2462MHz	Pass	PK	4.92381G	46.75	74.00	-27.25	6.77	3	Vertical	203	1.46	-
2462MHz	Pass	AV	4.92393G	35.80	54.00	-18.20	6.77	3	Horizontal	154	1.01	-
2462MHz	Pass	PK	4.9241G	46.20	74.00	-27.80	6.77	3	Horizontal	154	1.01	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.84	54.00	-2.16	30.69	3	Vertical	178	1.89	-
2412MHz	Pass	AV	2.4068G	90.69	Inf	-Inf	30.74	3	Vertical	178	1.89	-
2412MHz	Pass	PK	2.389G	62.81	74.00	-11.19	30.68	3	Vertical	178	1.89	-
2412MHz	Pass	PK	2.405G	98.74	Inf	-Inf	30.73	3	Vertical	178	1.89	-
2412MHz	Pass	AV	2.39G	53.66	54.00	-0.34	30.69	3	Horizontal	138	1.15	-
2412MHz	Pass	AV	2.4132G	93.45	Inf	-Inf	30.76	3	Horizontal	138	1.15	-
2412MHz	Pass	PK	2.39G	65.15	74.00	-8.85	30.69	3	Horizontal	138	1.15	-
2412MHz	Pass	PK	2.4132G	101.18	Inf	-Inf	30.76	3	Horizontal	138	1.15	-
2412MHz	Pass	AV	4.81794G	35.70	54.00	-18.30	6.53	3	Vertical	50	1.50	-
2412MHz	Pass	PK	4.8144G	45.42	74.00	-28.58	6.51	3	Vertical	50	1.50	-
2412MHz	Pass	AV	4.83828G	35.81	54.00	-18.19	6.56	3	Horizontal	0	1.24	-
2412MHz	Pass	PK	4.83384G	44.62	74.00	-29.38	6.56	3	Horizontal	0	1.24	-
2417MHz	Pass	AV	2.3896G	52.12	54.00	-1.88	30.69	3	Vertical	175	1.72	-
2417MHz	Pass	AV	2.4144G	93.65	Inf	-Inf	30.76	3	Vertical	175	1.72	-
2417MHz	Pass	PK	2.3894G	63.42	74.00	-10.58	30.68	3	Vertical	175	1.72	-
2417MHz	Pass	PK	2.4164G	101.56	Inf	-Inf	30.77	3	Vertical	175	1.72	-
2417MHz	Pass	AV	2.3896G	53.89	54.00	-0.11	30.69	3	Horizontal	136	1.13	-
2417MHz	Pass	AV	2.418G	96.69	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2417MHz	Pass	PK	2.3886G	66.21	74.00	-7.79	30.68	3	Horizontal	136	1.13	-
2417MHz	Pass	PK	2.4162G	104.66	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2437MHz	Pass	AV	2.3798G	49.06	54.00	-4.94	30.66	3	Vertical	143	1.19	-
2437MHz	Pass	AV	2.4378G	95.16	Inf	-Inf	30.83	3	Vertical	143	1.19	-
2437MHz	Pass	AV	2.4878G	49.56	54.00	-4.44	30.98	3	Vertical	143	1.19	-
2437MHz	Pass	PK	2.3882G	57.64	74.00	-16.36	30.68	3	Vertical	143	1.19	-
2437MHz	Pass	PK	2.4382G	102.66	Inf	-Inf	30.83	3	Vertical	143	1.19	-
2437MHz	Pass	PK	2.4854G	58.47	74.00	-15.53	30.97	3	Vertical	143	1.19	-
2437MHz	Pass	AV	2.3898G	49.90	54.00	-4.10	30.69	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	2.4382G	97.88	Inf	-Inf	30.83	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	2.4838G	50.16	54.00	-3.84	30.97	3	Horizontal	136	1.07	-
2437MHz	Pass	PK	2.3882G	59.59	74.00	-14.41	30.68	3	Horizontal	136	1.07	-
2437MHz	Pass	PK	2.4342G	105.79	Inf	-Inf	30.82	3	Horizontal	136	1.07	-
2437MHz	Pass	PK	2.4854G	59.16	74.00	-14.84	30.97	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	4.86974G	36.23	54.00	-17.77	6.65	3	Vertical	190	1.50	-
2437MHz	Pass	PK	4.86164G	45.52	74.00	-28.48	6.63	3	Vertical	190	1.50	-
2437MHz	Pass	AV	4.88786G	35.85	54.00	-18.15	6.68	3	Horizontal	153	1.50	-
2437MHz	Pass	PK	4.8665G	44.99	74.00	-29.01	6.64	3	Horizontal	153	1.50	-
2457MHz	Pass	AV	2.4516G	92.95	Inf	-Inf	30.87	3	Vertical	174	2.04	-
2457MHz	Pass	AV	2.4836G	52.10	54.00	-1.90	30.97	3	Vertical	174	2.04	-
2457MHz	Pass	PK	2.4542G	100.76	Inf	-Inf	30.88	3	Vertical	174	2.04	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.484G	63.20	74.00	-10.80	30.97	3	Vertical	174	2.04	-
2457MHz	Pass	AV	2.4582G	95.64	Inf	-Inf	30.89	3	Horizontal	136	1.22	-
2457MHz	Pass	AV	2.4836G	53.81	54.00	-0.19	30.97	3	Horizontal	136	1.22	-
2457MHz	Pass	PK	2.4542G	103.30	Inf	-Inf	30.88	3	Horizontal	136	1.22	-
2457MHz	Pass	PK	2.4836G	65.98	74.00	-8.02	30.97	3	Horizontal	136	1.22	-
2462MHz	Pass	AV	2.463G	90.32	Inf	-Inf	30.90	3	Vertical	132	1.34	-
2462MHz	Pass	AV	2.4835G	52.26	54.00	-1.74	30.97	3	Vertical	132	1.34	-
2462MHz	Pass	PK	2.4614G	98.21	Inf	-Inf	30.90	3	Vertical	132	1.34	-
2462MHz	Pass	PK	2.4835G	63.85	74.00	-10.15	30.97	3	Vertical	132	1.34	-
2462MHz	Pass	AV	2.463G	92.86	Inf	-Inf	30.90	3	Horizontal	138	1.20	-
2462MHz	Pass	AV	2.4836G	53.68	54.00	-0.32	30.97	3	Horizontal	138	1.20	-
2462MHz	Pass	PK	2.4614G	100.96	Inf	-Inf	30.90	3	Horizontal	138	1.20	-
2462MHz	Pass	PK	2.4835G	66.13	74.00	-7.87	30.97	3	Horizontal	138	1.20	-
2462MHz	Pass	AV	4.91806G	36.47	54.00	-17.53	6.76	3	Vertical	214	1.50	-
2462MHz	Pass	PK	4.93036G	46.14	74.00	-27.86	6.78	3	Vertical	214	1.50	-
2462MHz	Pass	AV	4.92574G	36.18	54.00	-17.82	6.78	3	Horizontal	275	3.02	-
2462MHz	Pass	PK	4.92412G	46.45	74.00	-27.55	6.77	3	Horizontal	275	3.02	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3898G	51.70	54.00	-2.30	30.69	3	Vertical	175	1.81	-
2412MHz	Pass	AV	2.406G	90.65	Inf	-Inf	30.73	3	Vertical	175	1.81	-
2412MHz	Pass	PK	2.3898G	63.75	74.00	-10.25	30.69	3	Vertical	175	1.81	-
2412MHz	Pass	PK	2.4064G	98.79	Inf	-Inf	30.74	3	Vertical	175	1.81	-
2412MHz	Pass	AV	2.3898G	53.78	54.00	-0.22	30.69	3	Horizontal	136	1.13	-
2412MHz	Pass	AV	2.415G	93.30	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2412MHz	Pass	PK	2.3896G	65.20	74.00	-8.80	30.69	3	Horizontal	136	1.13	-
2412MHz	Pass	PK	2.4148G	101.21	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2412MHz	Pass	AV	4.8129G	35.58	54.00	-18.42	6.51	3	Vertical	337	2.81	-
2412MHz	Pass	PK	4.81188G	44.84	74.00	-29.16	6.51	3	Vertical	337	2.81	-
2412MHz	Pass	AV	4.8135G	35.39	54.00	-18.61	6.51	3	Horizontal	142	1.50	-
2412MHz	Pass	PK	4.8273G	44.67	74.00	-29.33	6.54	3	Horizontal	142	1.50	-
2417MHz	Pass	AV	2.3896G	53.85	54.00	-0.15	30.69	3	Vertical	229	1.37	-
2417MHz	Pass	AV	2.415G	93.58	Inf	-Inf	30.77	3	Vertical	229	1.37	-
2417MHz	Pass	PK	2.39G	65.73	74.00	-8.27	30.69	3	Vertical	229	1.37	-
2417MHz	Pass	PK	2.418G	100.92	Inf	-Inf	30.77	3	Vertical	229	1.37	-
2417MHz	Pass	AV	2.39G	53.50	54.00	-0.50	30.69	3	Horizontal	165	1.29	-
2417MHz	Pass	AV	2.4146G	93.09	Inf	-Inf	30.77	3	Horizontal	165	1.29	-
2417MHz	Pass	PK	2.389G	64.62	74.00	-9.38	30.68	3	Horizontal	165	1.29	-
2417MHz	Pass	PK	2.422G	100.69	Inf	-Inf	30.78	3	Horizontal	165	1.29	-
2437MHz	Pass	AV	2.3898G	48.95	54.00	-5.05	30.69	3	Vertical	143	1.21	-
2437MHz	Pass	AV	2.4386G	94.63	Inf	-Inf	30.83	3	Vertical	143	1.21	-
2437MHz	Pass	AV	2.4986G	49.60	54.00	-4.40	31.01	3	Vertical	143	1.21	-
2437MHz	Pass	PK	2.3894G	59.71	74.00	-14.29	30.68	3	Vertical	143	1.21	-
2437MHz	Pass	PK	2.4426G	102.70	Inf	-Inf	30.84	3	Vertical	143	1.21	-
2437MHz	Pass	PK	2.4918G	60.07	74.00	-13.93	30.99	3	Vertical	143	1.21	-
2437MHz	Pass	AV	2.3898G	50.43	54.00	-3.57	30.69	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	2.435G	97.77	Inf	-Inf	30.82	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	2.4842G	49.76	54.00	-4.24	30.97	3	Horizontal	136	1.07	-
2437MHz	Pass	PK	2.3854G	60.36	74.00	-13.64	30.67	3	Horizontal	136	1.07	-
2437MHz	Pass	PK	2.4382G	105.32	Inf	-Inf	30.83	3	Horizontal	136	1.07	-

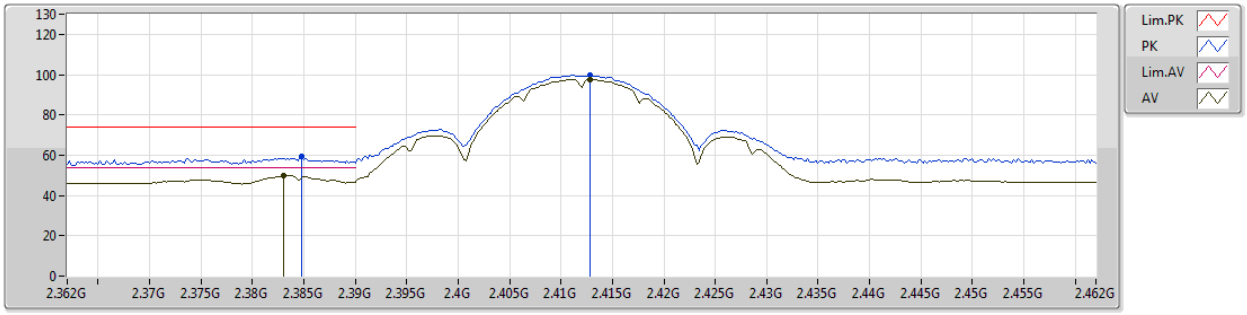
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4838G	58.96	74.00	-15.04	30.97	3	Horizontal	136	1.07	-
2437MHz	Pass	AV	4.86542G	36.12	54.00	-17.88	6.64	3	Vertical	151	1.50	-
2437MHz	Pass	PK	4.86326G	45.05	74.00	-28.95	6.63	3	Vertical	151	1.50	-
2437MHz	Pass	AV	4.88504G	35.91	54.00	-18.09	6.68	3	Horizontal	133	1.32	-
2437MHz	Pass	PK	4.8872G	45.11	74.00	-28.89	6.68	3	Horizontal	133	1.32	-
2457MHz	Pass	AV	2.4548G	92.61	Inf	-Inf	30.88	3	Vertical	226	1.56	-
2457MHz	Pass	AV	2.4835G	53.24	54.00	-0.76	30.97	3	Vertical	226	1.56	-
2457MHz	Pass	PK	2.4538G	100.42	Inf	-Inf	30.88	3	Vertical	226	1.56	-
2457MHz	Pass	PK	2.484G	64.29	74.00	-9.71	30.97	3	Vertical	226	1.56	-
2457MHz	Pass	AV	2.46G	92.05	Inf	-Inf	30.89	3	Horizontal	186	1.08	-
2457MHz	Pass	AV	2.4835G	52.67	54.00	-1.33	30.97	3	Horizontal	186	1.08	-
2457MHz	Pass	PK	2.4602G	99.85	Inf	-Inf	30.89	3	Horizontal	186	1.08	-
2457MHz	Pass	PK	2.4862G	63.08	74.00	-10.92	30.98	3	Horizontal	186	1.08	-
2462MHz	Pass	AV	2.4596G	90.14	Inf	-Inf	30.89	3	Vertical	132	1.33	-
2462MHz	Pass	AV	2.4835G	51.44	54.00	-2.56	30.97	3	Vertical	132	1.33	-
2462MHz	Pass	PK	2.4566G	97.58	Inf	-Inf	30.89	3	Vertical	132	1.33	-
2462MHz	Pass	PK	2.484G	62.90	74.00	-11.10	30.97	3	Vertical	132	1.33	-
2462MHz	Pass	AV	2.4598G	92.83	Inf	-Inf	30.89	3	Horizontal	135	1.18	-
2462MHz	Pass	AV	2.4835G	53.42	54.00	-0.58	30.97	3	Horizontal	135	1.18	-
2462MHz	Pass	PK	2.4566G	100.24	Inf	-Inf	30.89	3	Horizontal	135	1.18	-
2462MHz	Pass	PK	2.4836G	65.57	74.00	-8.43	30.97	3	Horizontal	135	1.18	-
2462MHz	Pass	AV	4.91752G	36.45	54.00	-17.55	6.75	3	Vertical	244	1.50	-
2462MHz	Pass	PK	4.91782G	46.12	74.00	-27.88	6.75	3	Vertical	244	1.50	-
2462MHz	Pass	AV	4.9339G	36.56	54.00	-17.44	6.79	3	Horizontal	358	2.62	-
2462MHz	Pass	PK	4.9153G	45.90	74.00	-28.10	6.75	3	Horizontal	358	2.62	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3888G	50.74	54.00	-3.26	30.68	3	Vertical	177	1.82	-
2422MHz	Pass	AV	2.406G	83.28	Inf	-Inf	30.73	3	Vertical	177	1.82	-
2422MHz	Pass	AV	2.486G	49.35	54.00	-4.65	30.98	3	Vertical	177	1.82	-
2422MHz	Pass	PK	2.3876G	61.27	74.00	-12.73	30.68	3	Vertical	177	1.82	-
2422MHz	Pass	PK	2.414G	90.98	Inf	-Inf	30.76	3	Vertical	177	1.82	-
2422MHz	Pass	PK	2.4924G	58.91	74.00	-15.09	30.99	3	Vertical	177	1.82	-
2422MHz	Pass	AV	2.384G	52.59	54.00	-1.41	30.67	3	Horizontal	136	1.13	-
2422MHz	Pass	AV	2.416G	86.36	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2422MHz	Pass	AV	2.4916G	49.36	54.00	-4.64	30.99	3	Horizontal	136	1.13	-
2422MHz	Pass	PK	2.3888G	63.04	74.00	-10.96	30.68	3	Horizontal	136	1.13	-
2422MHz	Pass	PK	2.4164G	95.63	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
2422MHz	Pass	PK	2.4936G	58.63	74.00	-15.37	30.99	3	Horizontal	136	1.13	-
2422MHz	Pass	AV	4.85864G	36.09	54.00	-17.91	6.62	3	Vertical	225	1.03	-
2422MHz	Pass	PK	4.84412G	45.65	74.00	-28.35	6.58	3	Vertical	225	1.03	-
2422MHz	Pass	AV	4.84502G	35.88	54.00	-18.12	6.58	3	Horizontal	280	1.50	-
2422MHz	Pass	PK	4.847G	44.76	74.00	-29.24	6.59	3	Horizontal	280	1.50	-
2427MHz	Pass	AV	2.3898G	53.26	54.00	-0.74	30.69	3	Vertical	215	1.50	-
2427MHz	Pass	AV	2.415G	84.29	Inf	-Inf	30.77	3	Vertical	215	1.50	-
2427MHz	Pass	AV	2.4986G	49.97	54.00	-4.03	31.01	3	Vertical	215	1.50	-
2427MHz	Pass	PK	2.3894G	62.93	74.00	-11.07	30.68	3	Vertical	215	1.50	-
2427MHz	Pass	PK	2.419G	92.32	Inf	-Inf	30.78	3	Vertical	215	1.50	-
2427MHz	Pass	PK	2.4882G	59.20	74.00	-14.80	30.98	3	Vertical	215	1.50	-
2427MHz	Pass	AV	2.3898G	52.36	54.00	-1.64	30.69	3	Horizontal	153	1.08	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2427MHz	Pass	AV	2.415G	83.31	Inf	-Inf	30.77	3	Horizontal	153	1.08	-
2427MHz	Pass	AV	2.487G	49.52	54.00	-4.48	30.98	3	Horizontal	153	1.08	-
2427MHz	Pass	PK	2.3898G	62.39	74.00	-11.61	30.69	3	Horizontal	153	1.08	-
2427MHz	Pass	PK	2.4174G	90.85	Inf	-Inf	30.77	3	Horizontal	153	1.08	-
2427MHz	Pass	PK	2.495G	58.01	74.00	-15.99	31.00	3	Horizontal	153	1.08	-
2437MHz	Pass	PK	2.3898G	61.12	74.00	-12.88	30.69	3	Vertical	130	1.35	-
2437MHz	Pass	AV	2.3898G	51.55	54.00	-2.45	30.69	3	Vertical	130	1.35	-
2437MHz	Pass	PK	2.4286G	94.88	Inf	-Inf	30.81	3	Vertical	130	1.35	-
2437MHz	Pass	AV	2.4294G	86.97	Inf	-Inf	30.81	3	Vertical	130	1.35	-
2437MHz	Pass	PK	2.485G	60.11	74.00	-13.89	30.97	3	Vertical	130	1.35	-
2437MHz	Pass	AV	2.4842G	50.55	54.00	-3.45	30.97	3	Vertical	130	1.35	-
2437MHz	Pass	AV	2.3894G	53.41	54.00	-0.59	30.68	3	Horizontal	136	1.08	-
2437MHz	Pass	AV	2.4294G	90.37	Inf	-Inf	30.81	3	Horizontal	136	1.08	-
2437MHz	Pass	AV	2.4835G	53.00	54.00	-1.00	30.97	3	Horizontal	136	1.08	-
2437MHz	Pass	PK	2.3878G	62.24	74.00	-11.76	30.68	3	Horizontal	136	1.08	-
2437MHz	Pass	PK	2.4286G	98.41	Inf	-Inf	30.81	3	Horizontal	136	1.08	-
2437MHz	Pass	PK	2.4842G	62.99	74.00	-11.01	30.97	3	Horizontal	136	1.08	-
2437MHz	Pass	AV	4.88768G	35.76	54.00	-18.24	6.68	3	Vertical	115	1.57	-
2437MHz	Pass	PK	4.86692G	45.07	74.00	-28.93	6.64	3	Vertical	115	1.57	-
2437MHz	Pass	AV	4.865G	35.71	54.00	-18.29	6.64	3	Horizontal	286	1.50	-
2437MHz	Pass	PK	4.88114G	45.02	74.00	-28.98	6.67	3	Horizontal	286	1.50	-
2447MHz	Pass	AV	2.3494G	49.58	54.00	-4.42	30.56	3	Vertical	218	1.27	-
2447MHz	Pass	AV	2.4394G	83.97	Inf	-Inf	30.83	3	Vertical	218	1.27	-
2447MHz	Pass	AV	2.4835G	53.10	54.00	-0.90	30.97	3	Vertical	218	1.27	-
2447MHz	Pass	PK	2.3734G	57.66	74.00	-16.34	30.64	3	Vertical	218	1.27	-
2447MHz	Pass	PK	2.4402G	91.69	Inf	-Inf	30.84	3	Vertical	218	1.27	-
2447MHz	Pass	PK	2.4835G	63.88	74.00	-10.12	30.97	3	Vertical	218	1.27	-
2447MHz	Pass	AV	2.3666G	48.78	54.00	-5.22	30.62	3	Horizontal	187	1.14	-
2447MHz	Pass	AV	2.4402G	83.99	Inf	-Inf	30.84	3	Horizontal	187	1.14	-
2447MHz	Pass	AV	2.4838G	53.24	54.00	-0.76	30.97	3	Horizontal	187	1.14	-
2447MHz	Pass	PK	2.359G	57.40	74.00	-16.60	30.59	3	Horizontal	187	1.14	-
2447MHz	Pass	PK	2.4414G	92.78	Inf	-Inf	30.84	3	Horizontal	187	1.14	-
2447MHz	Pass	PK	2.4846G	63.11	74.00	-10.89	30.97	3	Horizontal	187	1.14	-
2452MHz	Pass	AV	2.3844G	48.67	54.00	-5.33	30.67	3	Vertical	144	1.43	-
2452MHz	Pass	AV	2.4596G	82.45	Inf	-Inf	30.89	3	Vertical	144	1.43	-
2452MHz	Pass	AV	2.4876G	51.46	54.00	-2.54	30.98	3	Vertical	144	1.43	-
2452MHz	Pass	PK	2.38G	57.65	74.00	-16.35	30.66	3	Vertical	144	1.43	-
2452MHz	Pass	PK	2.4436G	90.36	Inf	-Inf	30.84	3	Vertical	144	1.43	-
2452MHz	Pass	PK	2.4835G	62.77	74.00	-11.23	30.97	3	Vertical	144	1.43	-
2452MHz	Pass	AV	2.362G	48.60	54.00	-5.40	30.60	3	Horizontal	135	1.23	-
2452MHz	Pass	AV	2.4488G	85.35	Inf	-Inf	30.87	3	Horizontal	135	1.23	-
2452MHz	Pass	AV	2.4848G	53.42	54.00	-0.58	30.97	3	Horizontal	135	1.23	-
2452MHz	Pass	PK	2.3844G	58.20	74.00	-15.80	30.67	3	Horizontal	135	1.23	-
2452MHz	Pass	PK	2.4468G	93.14	Inf	-Inf	30.86	3	Horizontal	135	1.23	-
2452MHz	Pass	PK	2.4852G	64.15	74.00	-9.85	30.97	3	Horizontal	135	1.23	-
2452MHz	Pass	AV	4.89146G	36.62	54.00	-17.38	6.70	3	Vertical	359	1.50	-
2452MHz	Pass	PK	4.89206G	45.85	74.00	-28.15	6.70	3	Vertical	359	1.50	-
2452MHz	Pass	AV	4.919G	36.15	54.00	-17.85	6.76	3	Horizontal	359	1.50	-
2452MHz	Pass	PK	4.90928G	45.59	74.00	-28.41	6.73	3	Horizontal	359	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

15/02/2019

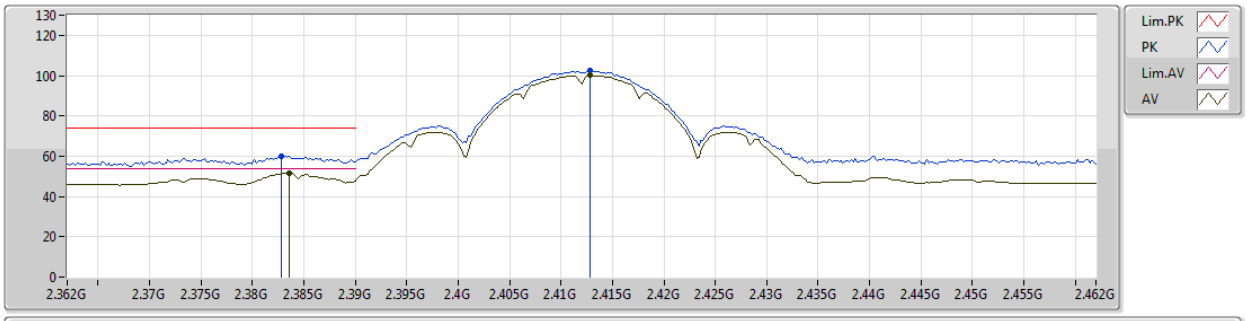


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.383G	49.65	54.00	-4.35	30.67	3	Vertical	177	2.10	-
AV	2.4128G	97.66	Inf	-Inf	30.76	3	Vertical	177	2.10	-
PK	2.3848G	59.20	74.00	-14.80	30.67	3	Vertical	177	2.10	-
PK	2.4128G	99.69	Inf	-Inf	30.76	3	Vertical	177	2.10	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

15/02/2019

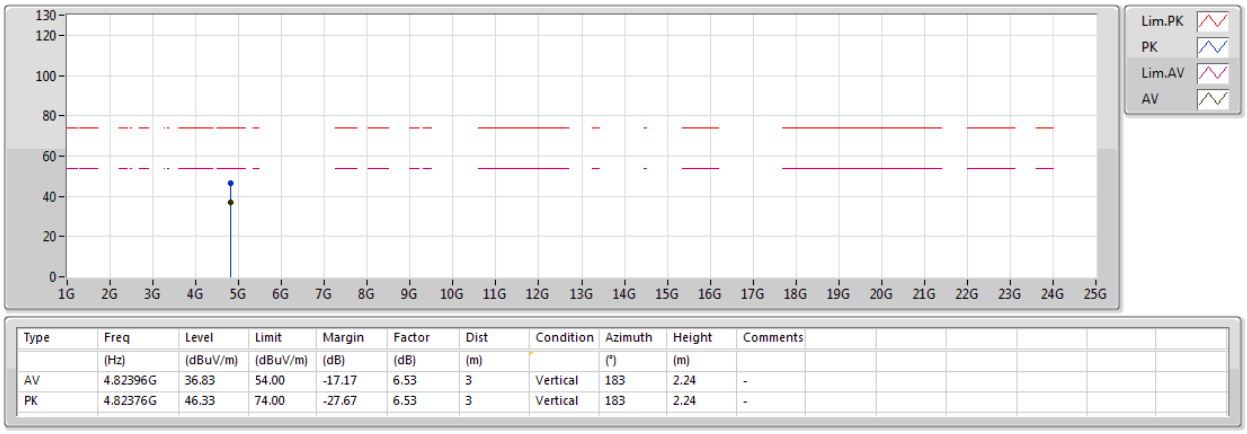


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3836G	51.63	54.00	-2.37	30.67	3	Horizontal	134	1.09	-
AV	2.4128G	100.23	Inf	-Inf	30.76	3	Horizontal	134	1.09	-
PK	2.3828G	60.09	74.00	-13.91	30.67	3	Horizontal	134	1.09	-
PK	2.4128G	102.32	Inf	-Inf	30.76	3	Horizontal	134	1.09	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

15/02/2019

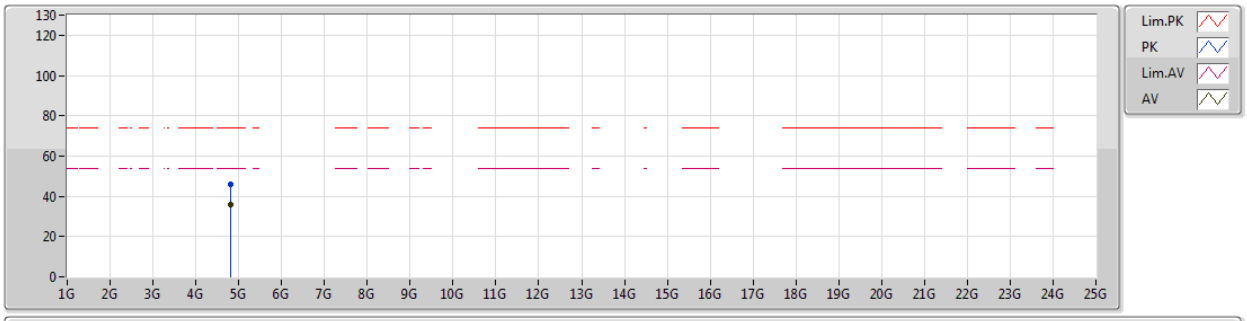


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82396G	36.83	54.00	-17.17	6.53	3	Vertical	183	2.24	-
PK	4.82376G	46.33	74.00	-27.67	6.53	3	Vertical	183	2.24	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

15/02/2019

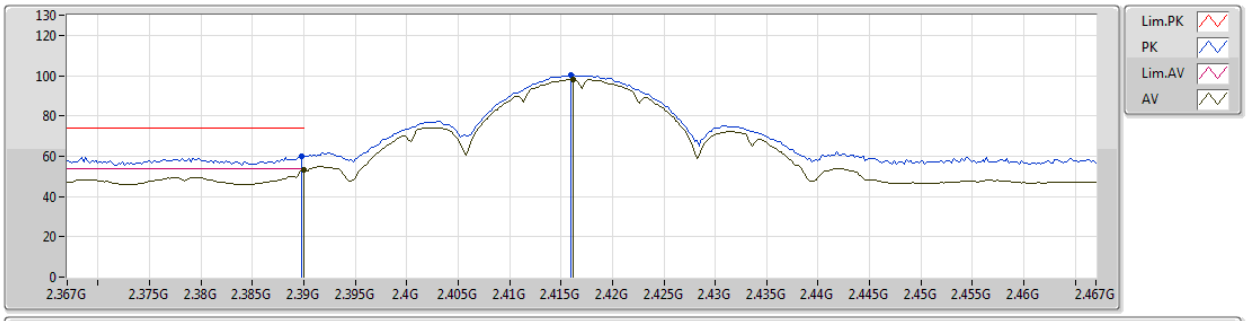


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82388G	35.87	54.00	-18.13	6.53	3	Horizontal	131	1.03	-
PK	4.82368G	45.88	74.00	-28.12	6.53	3	Horizontal	131	1.03	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

15/02/2019

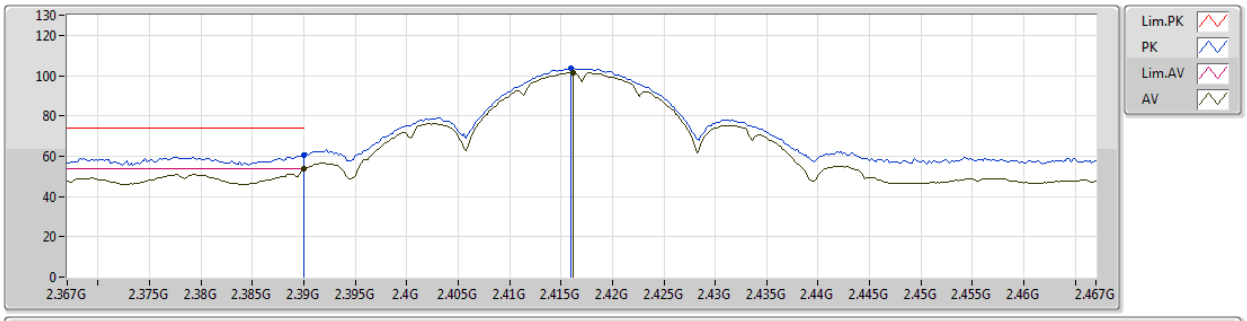


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.31	54.00	-0.69	30.69	3	Vertical	177	1.95	-
AV	2.4162G	98.16	Inf	-Inf	30.77	3	Vertical	177	1.95	-
PK	2.3898G	60.21	74.00	-13.79	30.69	3	Vertical	177	1.95	-
PK	2.416G	100.23	Inf	-Inf	30.77	3	Vertical	177	1.95	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

15/02/2019

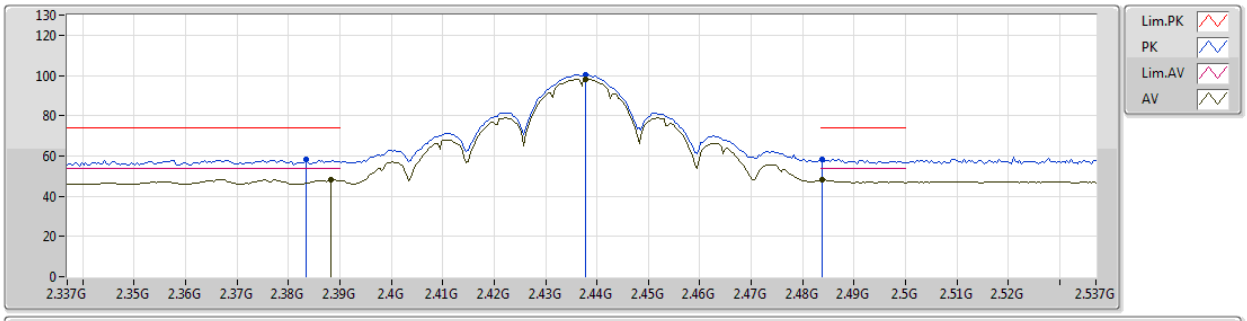


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.79	54.00	-0.21	30.69	3	Horizontal	133	1.13	-
AV	2.4162G	101.50	Inf	-Inf	30.77	3	Horizontal	133	1.13	-
PK	2.39G	60.53	74.00	-13.47	30.69	3	Horizontal	133	1.13	-
PK	2.416G	103.51	Inf	-Inf	30.77	3	Horizontal	133	1.13	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

15/02/2019

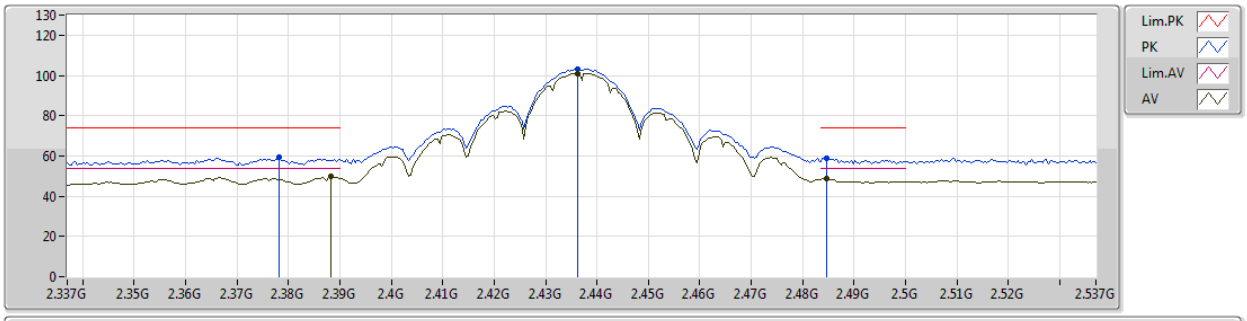


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	48.30	54.00	-5.70	30.68	3	Vertical	177	2.02	-
AV	2.4378G	98.17	Inf	-Inf	30.83	3	Vertical	177	2.02	-
AV	2.4838G	47.93	54.00	-6.07	30.97	3	Vertical	177	2.02	-
PK	2.3834G	58.40	74.00	-15.60	30.67	3	Vertical	177	2.02	-
PK	2.4378G	100.23	Inf	-Inf	30.83	3	Vertical	177	2.02	-
PK	2.4838G	58.32	74.00	-15.68	30.97	3	Vertical	177	2.02	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

15/02/2019

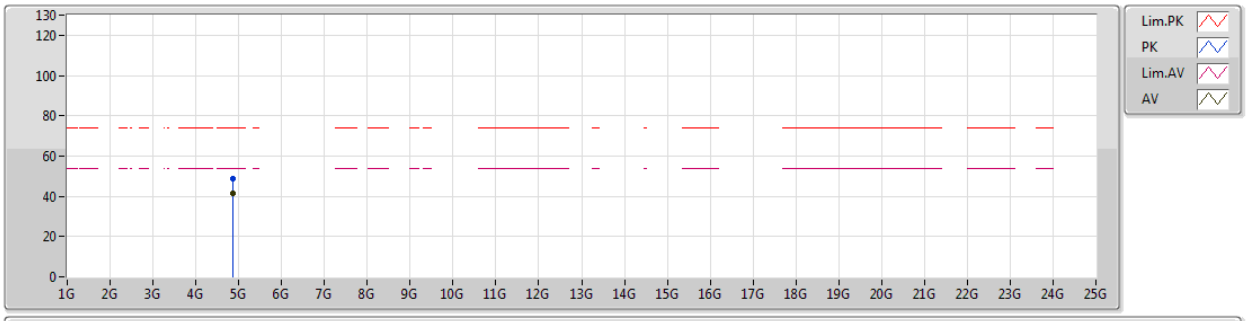


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	49.70	54.00	-4.30	30.68	3	Horizontal	134	1.05	-
AV	2.4362G	101.02	Inf	-Inf	30.83	3	Horizontal	134	1.05	-
AV	2.4846G	48.67	54.00	-5.33	30.97	3	Horizontal	134	1.05	-
PK	2.3782G	59.12	74.00	-14.88	30.65	3	Horizontal	134	1.05	-
PK	2.4362G	103.07	Inf	-Inf	30.83	3	Horizontal	134	1.05	-
PK	2.4846G	58.68	74.00	-15.32	30.97	3	Horizontal	134	1.05	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

15/02/2019

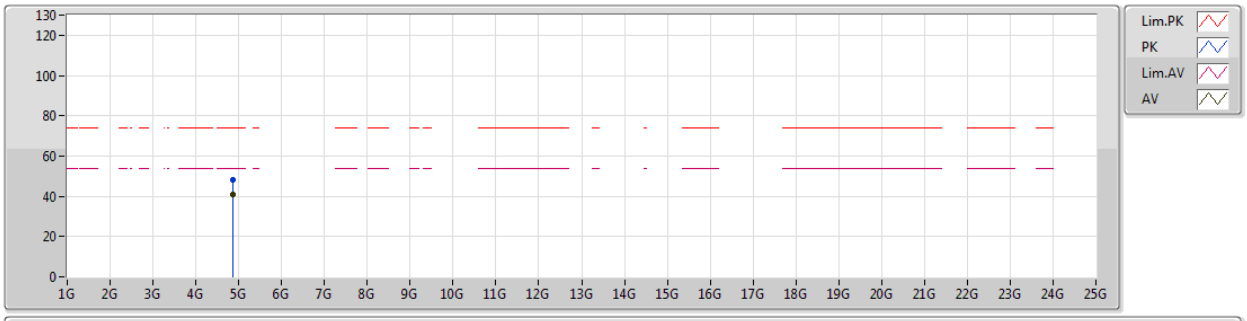


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	41.36	54.00	-12.64	6.65	3	Vertical	202	1.51	-
PK	4.87368G	48.55	74.00	-25.45	6.65	3	Vertical	202	1.51	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

15/02/2019

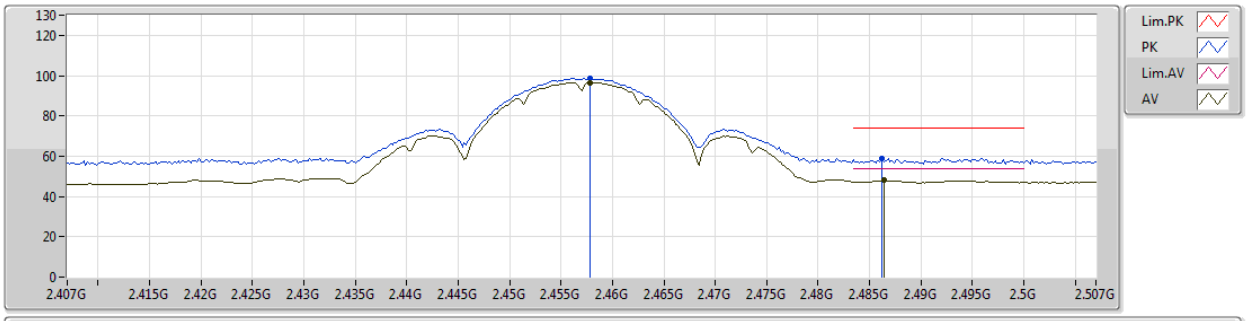


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	40.84	54.00	-13.16	6.65	3	Horizontal	134	1.08	-
PK	4.87386G	47.98	74.00	-26.02	6.65	3	Horizontal	134	1.08	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

15/02/2019

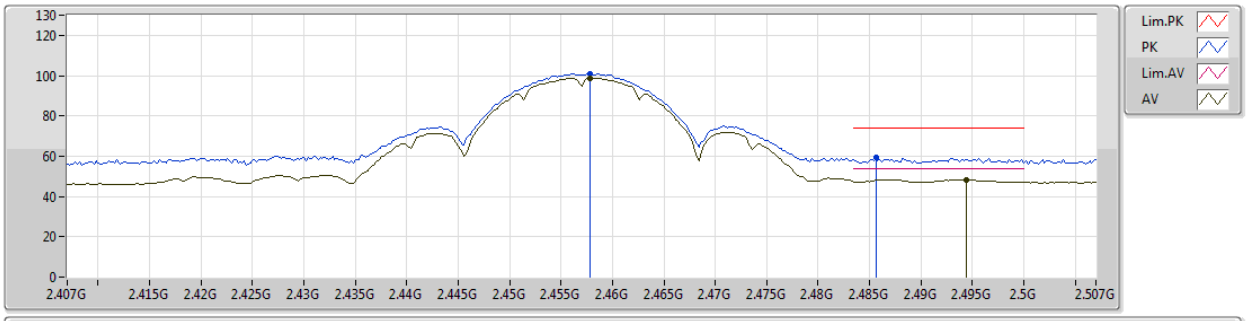


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	96.59	Inf	-Inf	30.89	3	Vertical	173	1.91	-
AV	2.4864G	47.94	54.00	-6.06	30.98	3	Vertical	173	1.91	-
PK	2.4578G	98.66	Inf	-Inf	30.89	3	Vertical	173	1.91	-
PK	2.4862G	58.90	74.00	-15.10	30.98	3	Vertical	173	1.91	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

15/02/2019

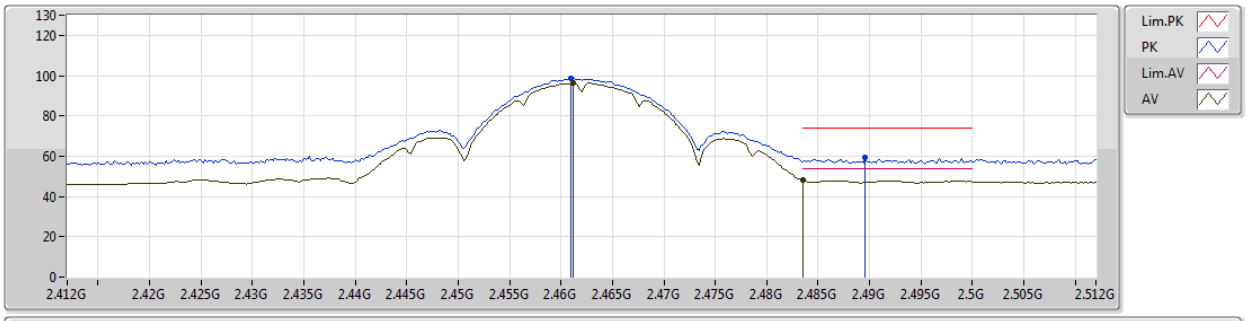


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	98.89	Inf	-Inf	30.89	3	Horizontal	139	1.14	-
AV	2.4944G	48.46	54.00	-5.54	31.00	3	Horizontal	139	1.14	-
PK	2.4578G	100.97	Inf	-Inf	30.89	3	Horizontal	139	1.14	-
PK	2.4856G	59.63	74.00	-14.37	30.98	3	Horizontal	139	1.14	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

15/02/2019

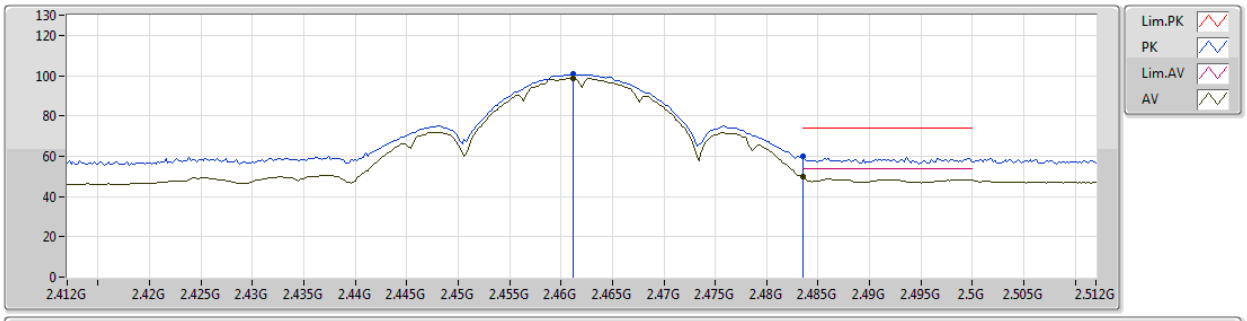


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	96.38	Inf	-Inf	30.90	3	Vertical	177	1.98	-
AV	2.4835G	48.43	54.00	-5.57	30.97	3	Vertical	177	1.98	-
PK	2.461G	98.40	Inf	-Inf	30.90	3	Vertical	177	1.98	-
PK	2.4896G	59.18	74.00	-14.82	30.99	3	Vertical	177	1.98	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

15/02/2019

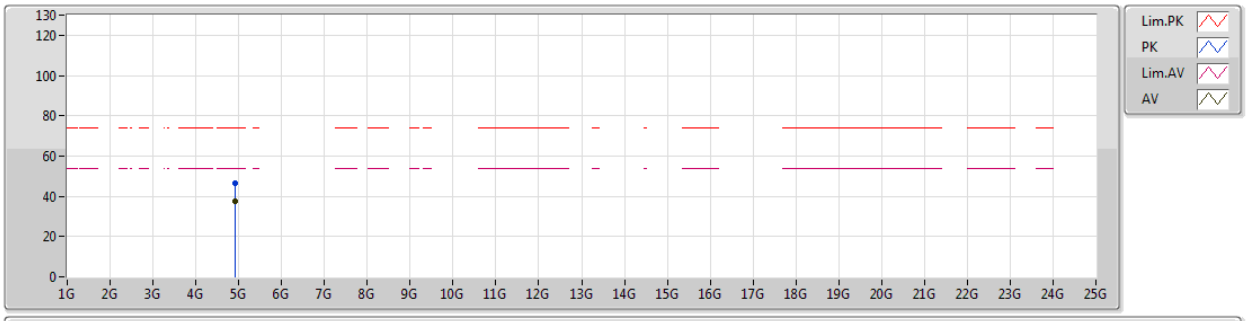


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	98.71	Inf	-Inf	30.90	3	Horizontal	139	1.02	-
AV	2.4835G	49.76	54.00	-4.24	30.97	3	Horizontal	139	1.02	-
PK	2.4612G	100.72	Inf	-Inf	30.90	3	Horizontal	139	1.02	-
PK	2.4835G	59.99	74.00	-14.01	30.97	3	Horizontal	139	1.02	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

15/02/2019

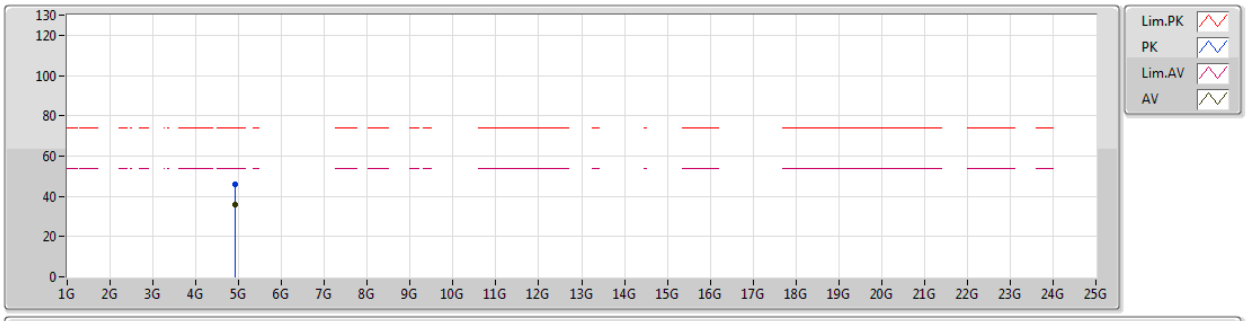


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9239G	37.35	54.00	-16.65	6.77	3	Vertical	203	1.46	-
PK	4.92381G	46.75	74.00	-27.25	6.77	3	Vertical	203	1.46	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

15/02/2019

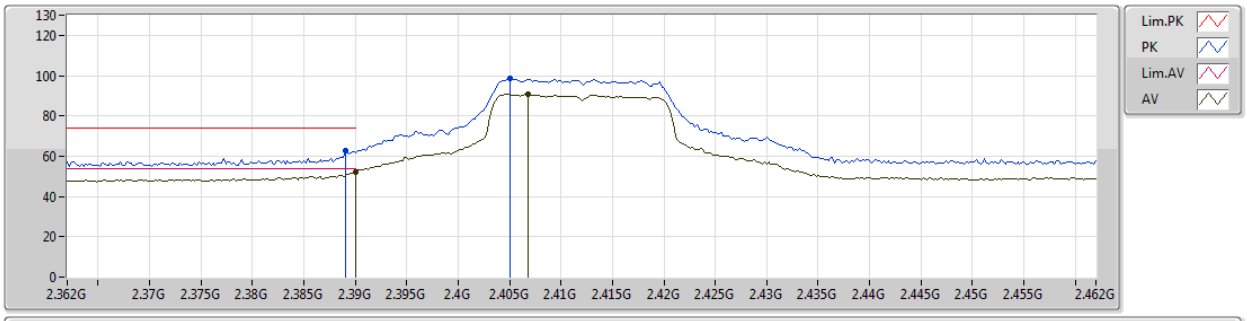


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92393G	35.80	54.00	-18.20	6.77	3	Horizontal	154	1.01	-
PK	4.9241G	46.20	74.00	-27.80	6.77	3	Horizontal	154	1.01	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

15/02/2019

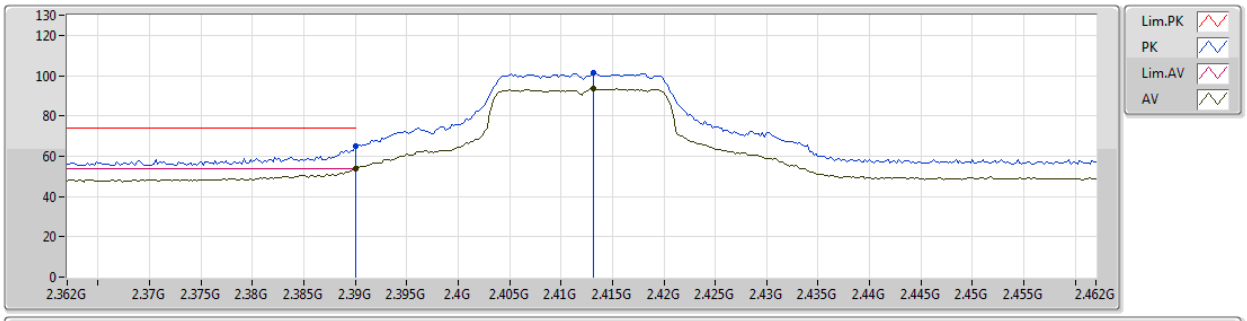


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	51.84	54.00	-2.16	30.69	3	Vertical	178	1.89	-
AV	2.4068G	90.69	Inf	-Inf	30.74	3	Vertical	178	1.89	-
PK	2.389G	62.81	74.00	-11.19	30.68	3	Vertical	178	1.89	-
PK	2.405G	98.74	Inf	-Inf	30.73	3	Vertical	178	1.89	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

15/02/2019

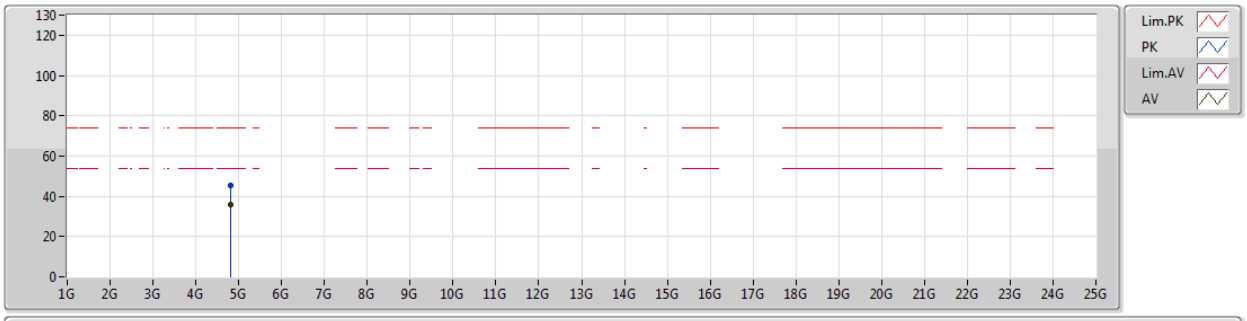


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.66	54.00	-0.34	30.69	3	Horizontal	138	1.15	-
AV	2.4132G	93.45	Inf	-Inf	30.76	3	Horizontal	138	1.15	-
PK	2.39G	65.15	74.00	-8.85	30.69	3	Horizontal	138	1.15	-
PK	2.4132G	101.18	Inf	-Inf	30.76	3	Horizontal	138	1.15	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

15/02/2019

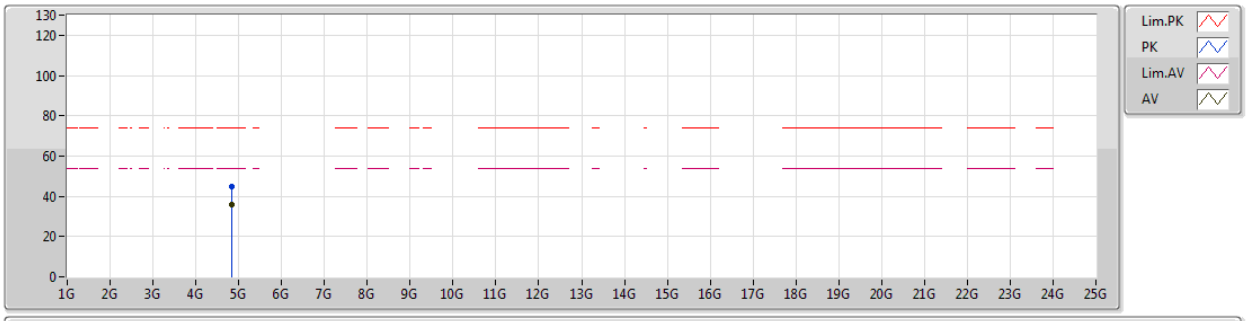


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81794G	35.70	54.00	-18.30	6.53	3	Vertical	50	1.50	-
PK	4.8144G	45.42	74.00	-28.58	6.51	3	Vertical	50	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

15/02/2019

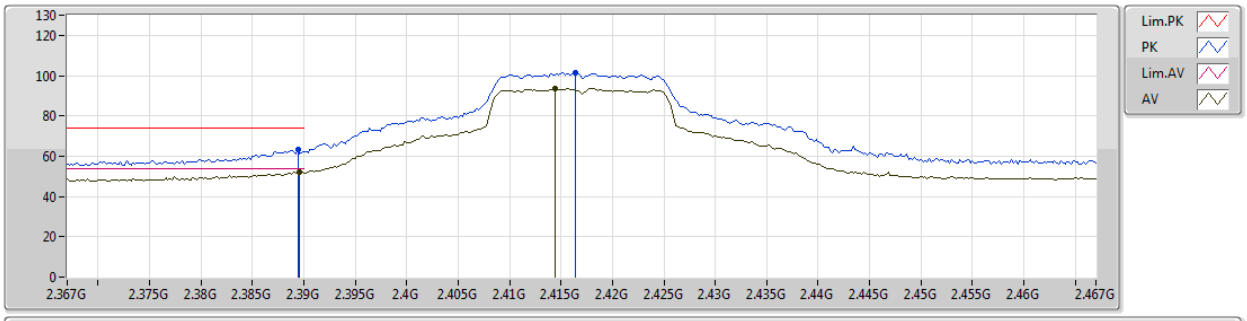


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.83828G	35.81	54.00	-18.19	6.56	3	Horizontal	0	1.24	-
PK	4.83384G	44.62	74.00	-29.38	6.56	3	Horizontal	0	1.24	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

15/02/2019

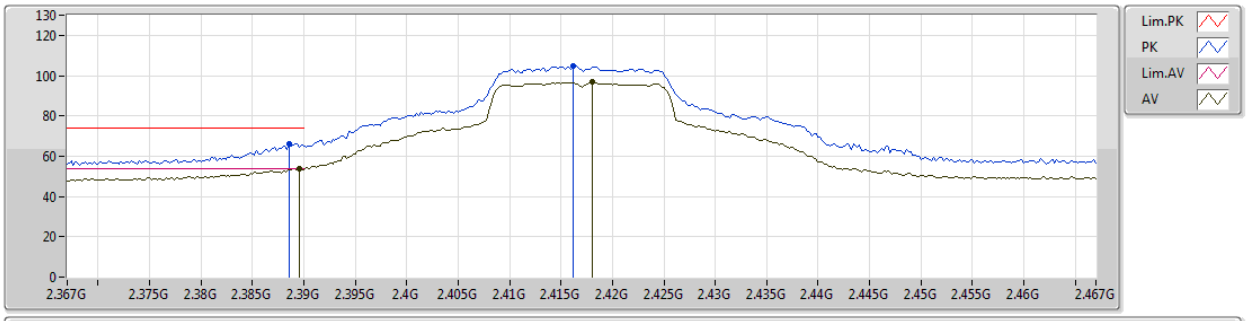


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	52.12	54.00	-1.88	30.69	3	Vertical	175	1.72	-
AV	2.4144G	93.65	Inf	-Inf	30.76	3	Vertical	175	1.72	-
PK	2.3894G	63.42	74.00	-10.58	30.68	3	Vertical	175	1.72	-
PK	2.4164G	101.56	Inf	-Inf	30.77	3	Vertical	175	1.72	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

15/02/2019

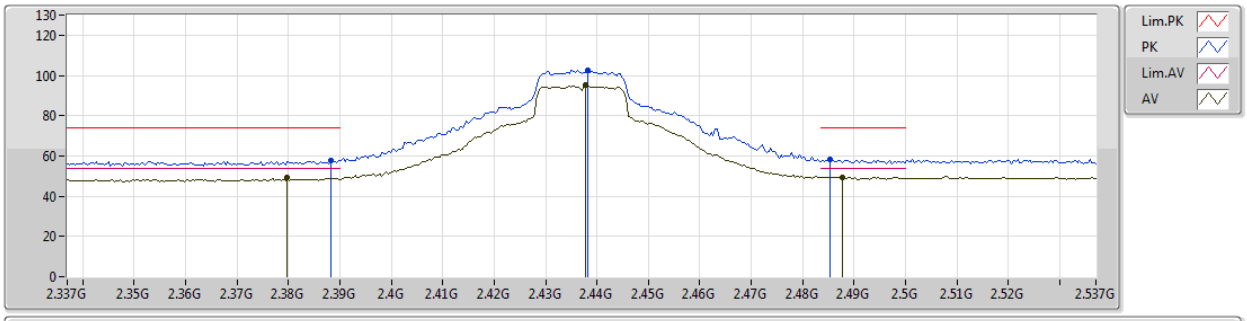


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	53.89	54.00	-0.11	30.69	3	Horizontal	136	1.13	-
AV	2.418G	96.69	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
PK	2.3886G	66.21	74.00	-7.79	30.68	3	Horizontal	136	1.13	-
PK	2.4162G	104.66	Inf	-Inf	30.77	3	Horizontal	136	1.13	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

15/02/2019

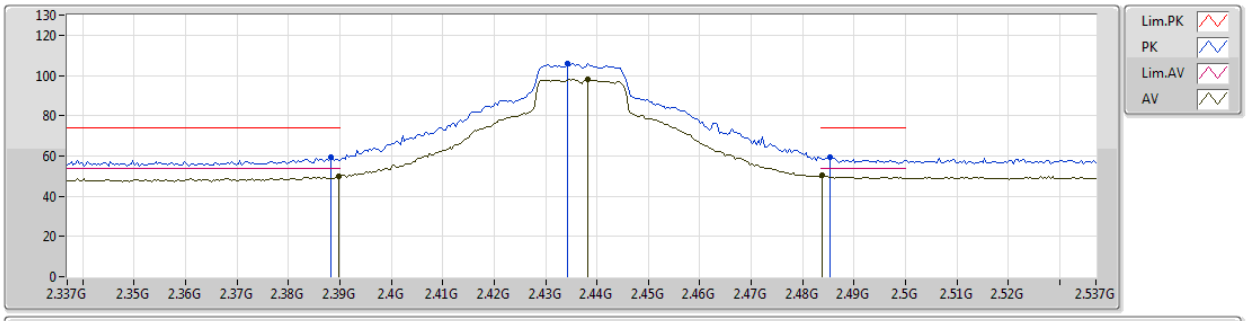


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3798G	49.06	54.00	-4.94	30.66	3	Vertical	143	1.19	-
AV	2.4378G	95.16	Inf	-Inf	30.83	3	Vertical	143	1.19	-
AV	2.4878G	49.56	54.00	-4.44	30.98	3	Vertical	143	1.19	-
PK	2.3882G	57.64	74.00	-16.36	30.68	3	Vertical	143	1.19	-
PK	2.4382G	102.66	Inf	-Inf	30.83	3	Vertical	143	1.19	-
PK	2.4854G	58.47	74.00	-15.53	30.97	3	Vertical	143	1.19	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

15/02/2019

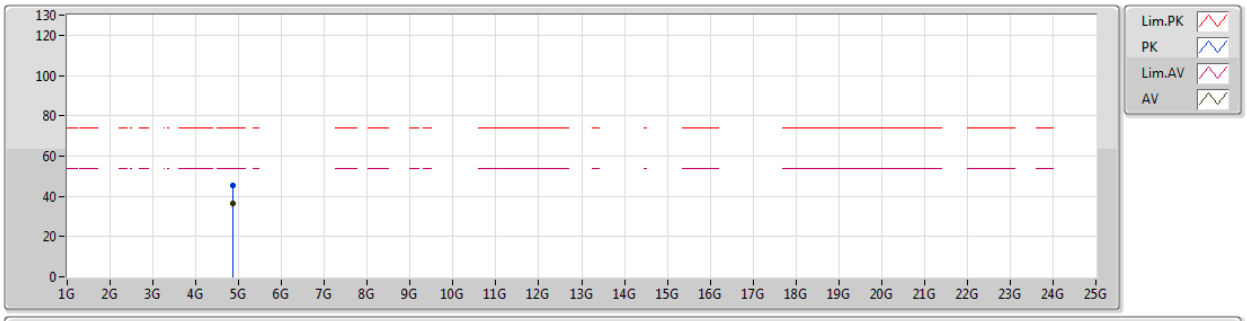


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	49.90	54.00	-4.10	30.69	3	Horizontal	136	1.07	-
AV	2.4382G	97.88	Inf	-Inf	30.83	3	Horizontal	136	1.07	-
AV	2.4838G	50.16	54.00	-3.84	30.97	3	Horizontal	136	1.07	-
PK	2.3882G	59.59	74.00	-14.41	30.68	3	Horizontal	136	1.07	-
PK	2.4342G	105.79	Inf	-Inf	30.82	3	Horizontal	136	1.07	-
PK	2.4854G	59.16	74.00	-14.84	30.97	3	Horizontal	136	1.07	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

15/02/2019

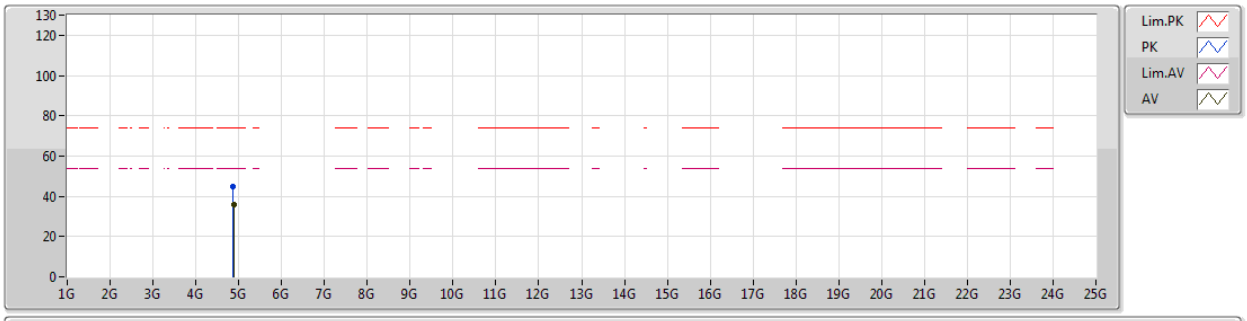


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.86974G	36.23	54.00	-17.77	6.65	3	Vertical	190	1.50	-
PK	4.86164G	45.52	74.00	-28.48	6.63	3	Vertical	190	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

15/02/2019

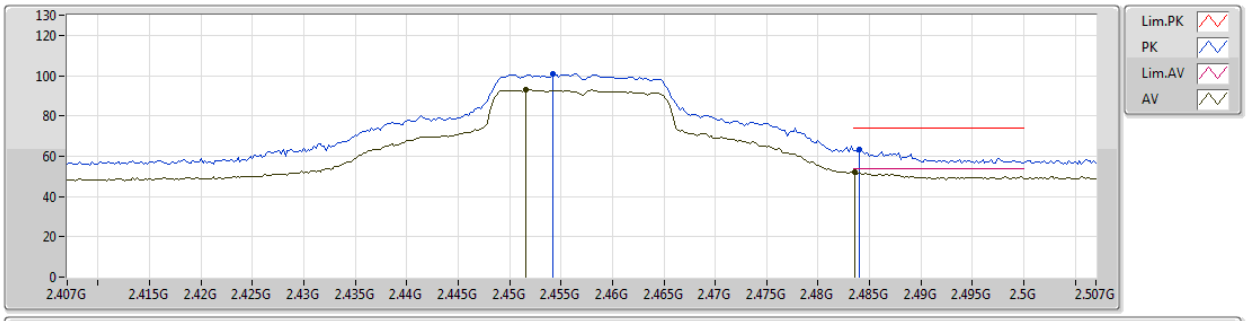


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88786G	35.85	54.00	-18.15	6.68	3	Horizontal	153	1.50	-
PK	4.8665G	44.99	74.00	-29.01	6.64	3	Horizontal	153	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

15/02/2019

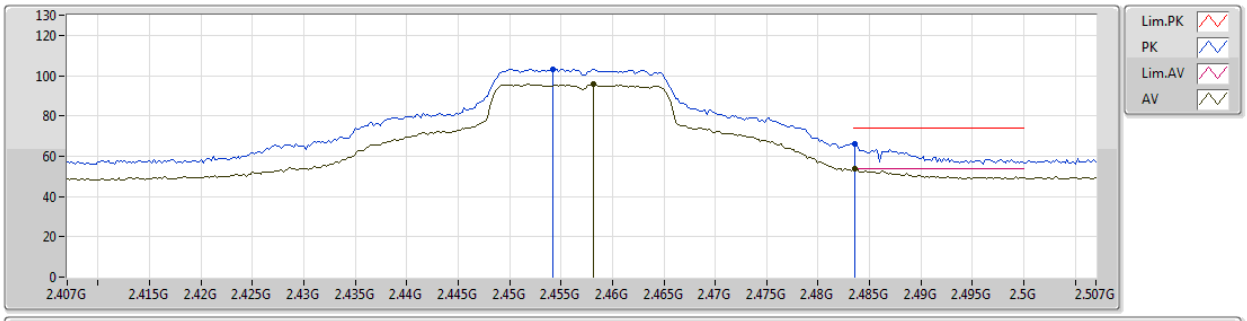


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4516G	92.95	Inf	-Inf	30.87	3	Vertical	174	2.04	-
AV	2.4836G	52.10	54.00	-1.90	30.97	3	Vertical	174	2.04	-
PK	2.4542G	100.76	Inf	-Inf	30.88	3	Vertical	174	2.04	-
PK	2.484G	63.20	74.00	-10.80	30.97	3	Vertical	174	2.04	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

15/02/2019

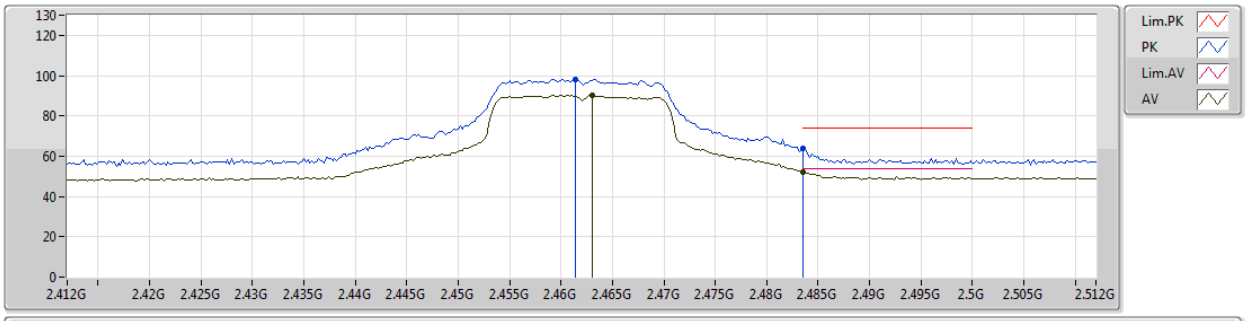


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4582G	95.64	Inf	-Inf	30.89	3	Horizontal	136	1.22	-
AV	2.4836G	53.81	54.00	-0.19	30.97	3	Horizontal	136	1.22	-
PK	2.4542G	103.30	Inf	-Inf	30.88	3	Horizontal	136	1.22	-
PK	2.4836G	65.98	74.00	-8.02	30.97	3	Horizontal	136	1.22	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

15/02/2019

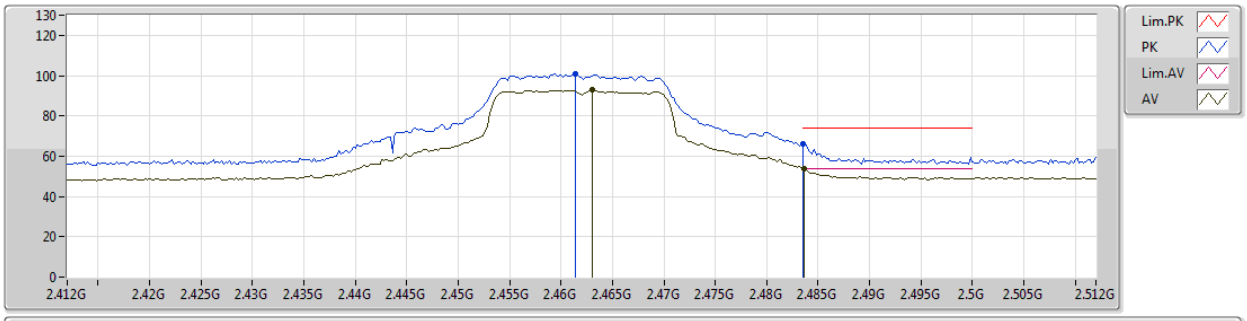


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.463G	90.32	Inf	-Inf	30.90	3	Vertical	132	1.34	-
AV	2.4835G	52.26	54.00	-1.74	30.97	3	Vertical	132	1.34	-
PK	2.4614G	98.21	Inf	-Inf	30.90	3	Vertical	132	1.34	-
PK	2.4835G	63.85	74.00	-10.15	30.97	3	Vertical	132	1.34	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

15/02/2019

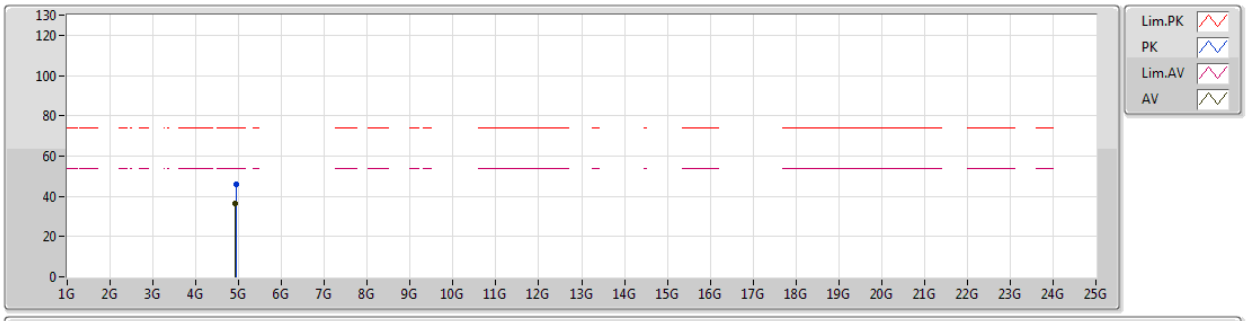


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.463G	92.86	Inf	-Inf	30.90	3	Horizontal	138	1.20	-
AV	2.4836G	53.68	54.00	-0.32	30.97	3	Horizontal	138	1.20	-
PK	2.4614G	100.96	Inf	-Inf	30.90	3	Horizontal	138	1.20	-
PK	2.4835G	66.13	74.00	-7.87	30.97	3	Horizontal	138	1.20	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

15/02/2019

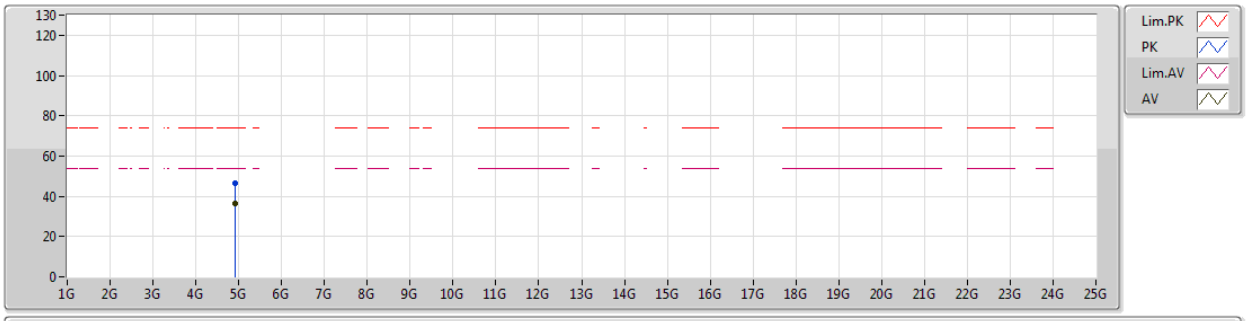


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.91806G	36.47	54.00	-17.53	6.76	3	Vertical	214	1.50	-
PK	4.93036G	46.14	74.00	-27.86	6.78	3	Vertical	214	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

15/02/2019

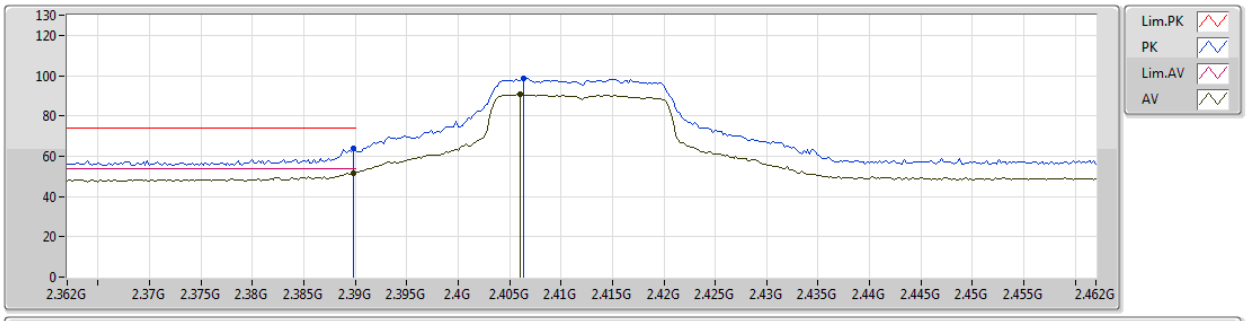


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92574G	36.18	54.00	-17.82	6.78	3	Horizontal	275	3.02	-
PK	4.92412G	46.45	74.00	-27.55	6.77	3	Horizontal	275	3.02	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

15/02/2019

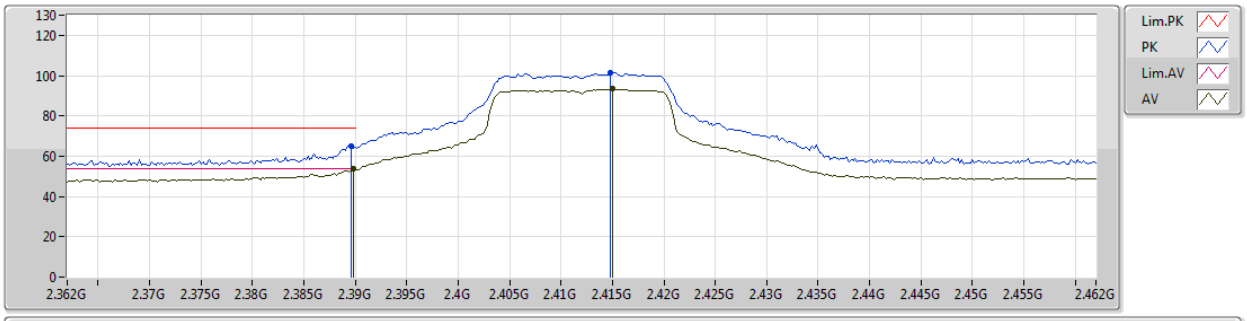


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	51.70	54.00	-2.30	30.69	3	Vertical	175	1.81	-
AV	2.406G	90.65	Inf	-Inf	30.73	3	Vertical	175	1.81	-
PK	2.3898G	63.75	74.00	-10.25	30.69	3	Vertical	175	1.81	-
PK	2.4064G	98.79	Inf	-Inf	30.74	3	Vertical	175	1.81	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

15/02/2019

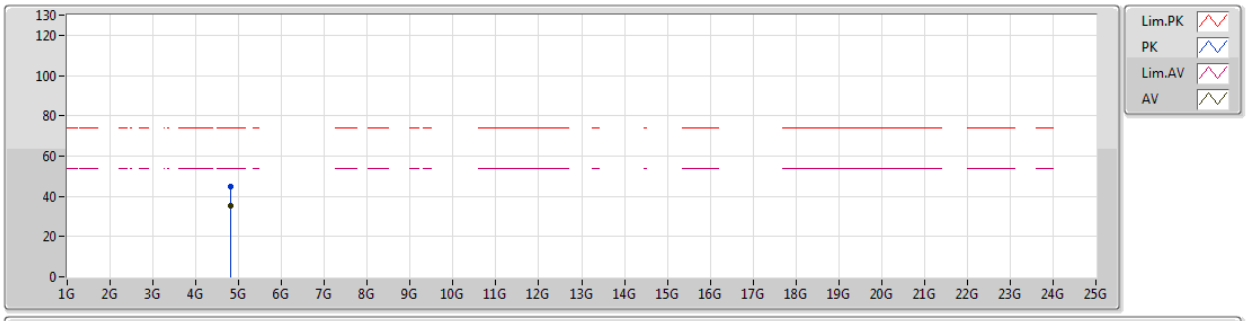


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.78	54.00	-0.22	30.69	3	Horizontal	136	1.13	-
AV	2.415G	93.30	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
PK	2.3896G	65.20	74.00	-8.80	30.69	3	Horizontal	136	1.13	-
PK	2.4148G	101.21	Inf	-Inf	30.77	3	Horizontal	136	1.13	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

15/02/2019

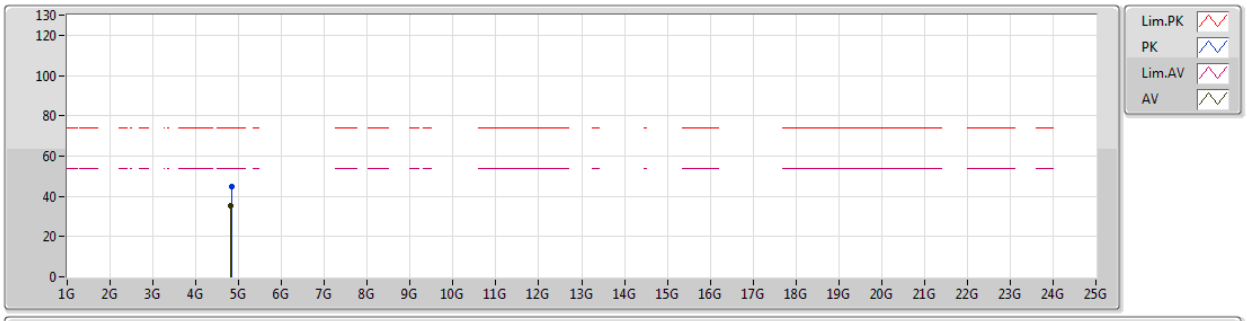


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8129G	35.58	54.00	-18.42	6.51	3	Vertical	337	2.81	-
PK	4.81188G	44.84	74.00	-29.16	6.51	3	Vertical	337	2.81	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

15/02/2019

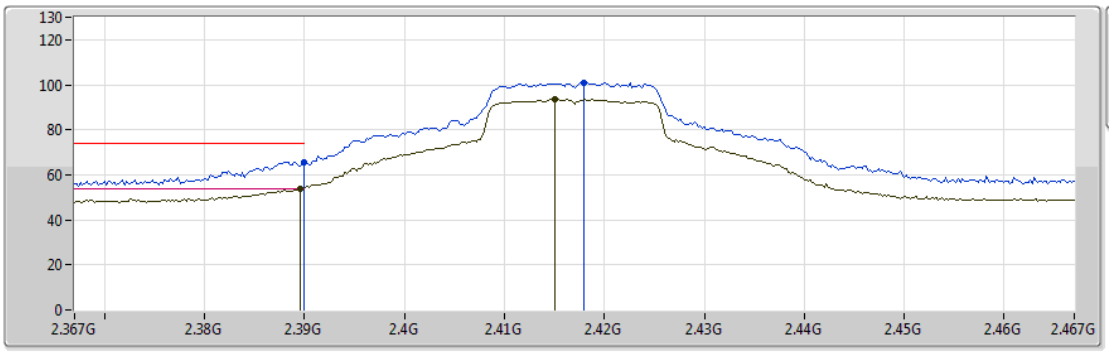


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8135G	35.39	54.00	-18.61	6.51	3	Horizontal	142	1.50	-
PK	4.8273G	44.67	74.00	-29.33	6.54	3	Horizontal	142	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

15/02/2019

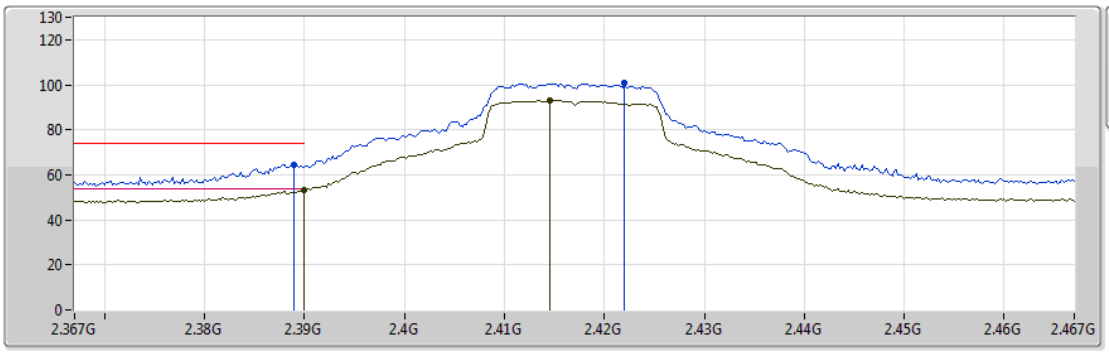


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	53.85	54.00	-0.15	30.69	3	Vertical	229	1.37	-
AV	2.415G	93.58	Inf	-Inf	30.77	3	Vertical	229	1.37	-
PK	2.39G	65.73	74.00	-8.27	30.69	3	Vertical	229	1.37	-
PK	2.418G	100.92	Inf	-Inf	30.77	3	Vertical	229	1.37	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

15/02/2019

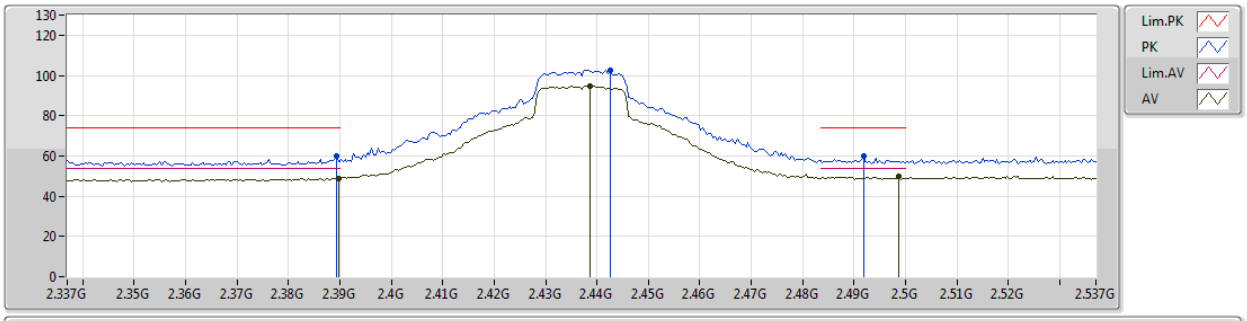


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.50	54.00	-0.50	30.69	3	Horizontal	165	1.29	-
AV	2.4146G	93.09	Inf	-Inf	30.77	3	Horizontal	165	1.29	-
PK	2.389G	64.62	74.00	-9.38	30.68	3	Horizontal	165	1.29	-
PK	2.422G	100.69	Inf	-Inf	30.78	3	Horizontal	165	1.29	-

802.11n HT20_Nss1,(MCS0)_1TX

15/02/2019

2437MHz_TX

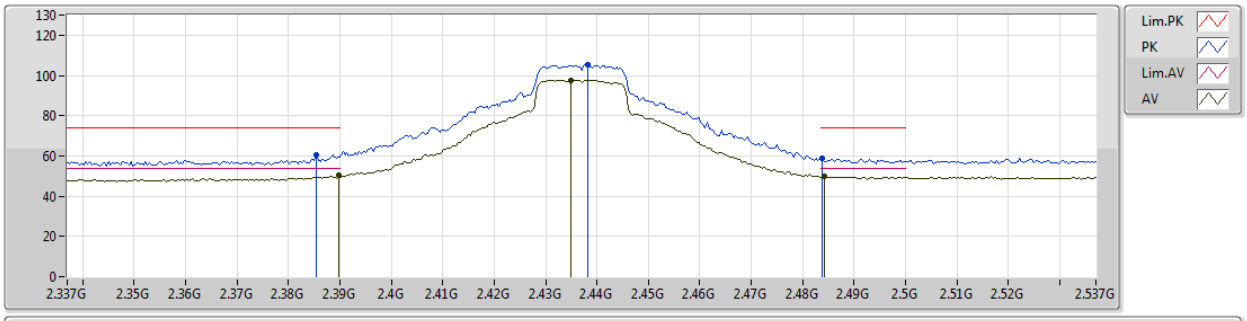


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	48.95	54.00	-5.05	30.69	3	Vertical	143	1.21	-
AV	2.4386G	94.63	Inf	-Inf	30.83	3	Vertical	143	1.21	-
AV	2.4986G	49.60	54.00	-4.40	31.01	3	Vertical	143	1.21	-
PK	2.3894G	59.71	74.00	-14.29	30.68	3	Vertical	143	1.21	-
PK	2.4426G	102.70	Inf	-Inf	30.84	3	Vertical	143	1.21	-
PK	2.4918G	60.07	74.00	-13.93	30.99	3	Vertical	143	1.21	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

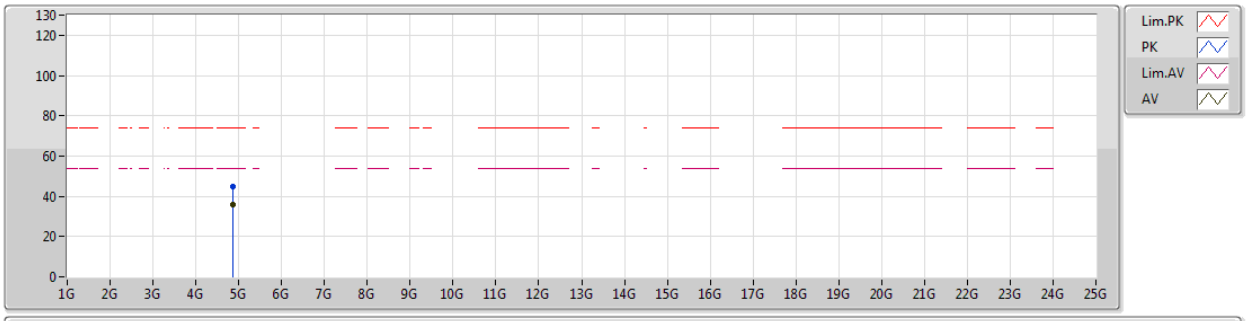


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.43	54.00	-3.57	30.69	3	Horizontal	136	1.07	-
AV	2.435G	97.77	Inf	-Inf	30.82	3	Horizontal	136	1.07	-
AV	2.4842G	49.76	54.00	-4.24	30.97	3	Horizontal	136	1.07	-
PK	2.3854G	60.36	74.00	-13.64	30.67	3	Horizontal	136	1.07	-
PK	2.4382G	105.32	Inf	-Inf	30.83	3	Horizontal	136	1.07	-
PK	2.4838G	58.96	74.00	-15.04	30.97	3	Horizontal	136	1.07	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

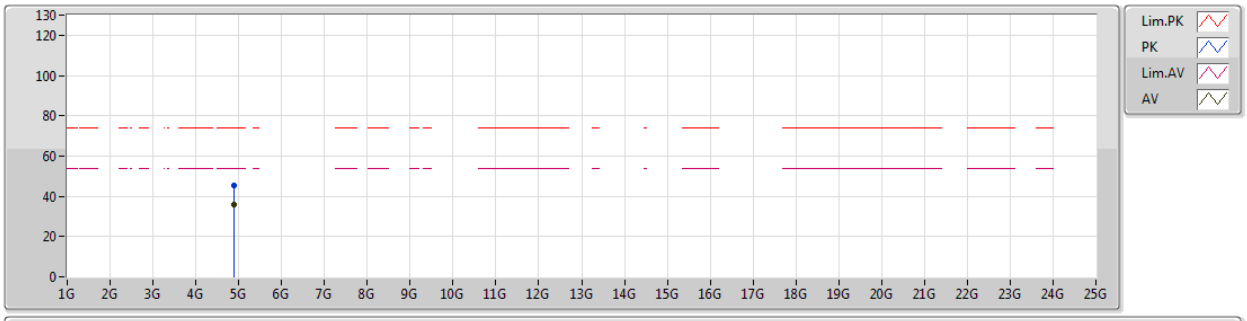


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.86542G	36.12	54.00	-17.88	6.64	3	Vertical	151	1.50	-
PK	4.86326G	45.05	74.00	-28.95	6.63	3	Vertical	151	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

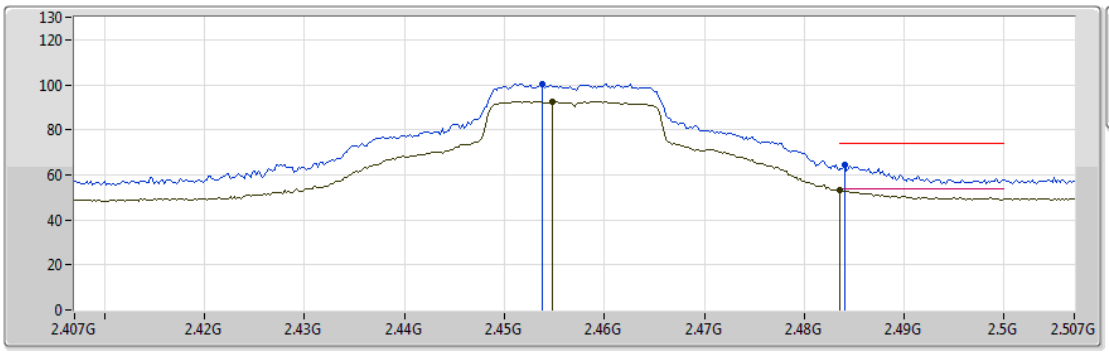


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88504G	35.91	54.00	-18.09	6.68	3	Horizontal	133	1.32	-
PK	4.8872G	45.11	74.00	-28.89	6.68	3	Horizontal	133	1.32	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

15/02/2019

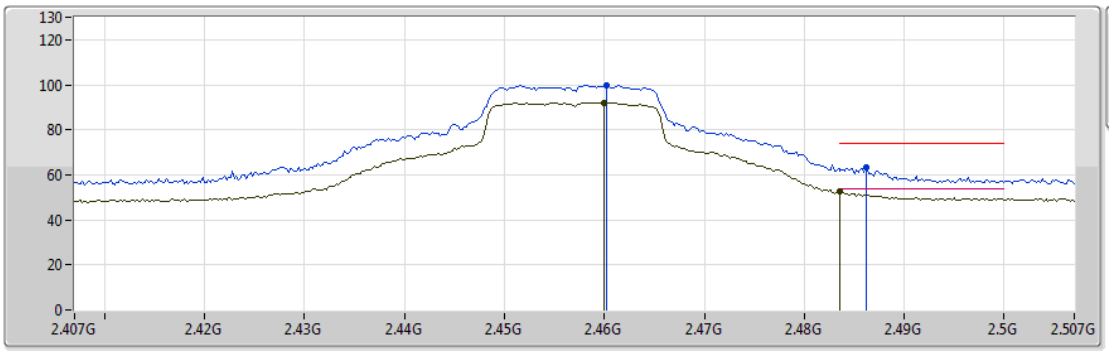


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4548G	92.61	Inf	-Inf	30.88	3	Vertical	226	1.56	-
AV	2.4835G	53.24	54.00	-0.76	30.97	3	Vertical	226	1.56	-
PK	2.4538G	100.42	Inf	-Inf	30.88	3	Vertical	226	1.56	-
PK	2.484G	64.29	74.00	-9.71	30.97	3	Vertical	226	1.56	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

15/02/2019

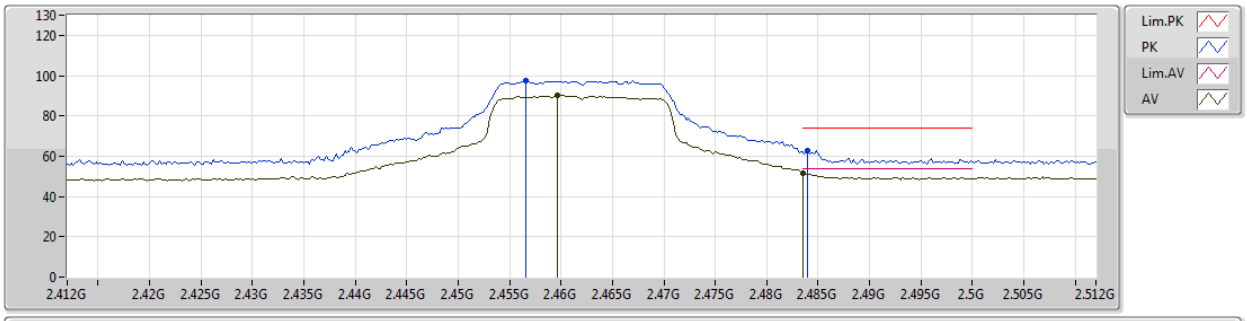


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.46G	92.05	Inf	-Inf	30.89	3	Horizontal	186	1.08	-
AV	2.4835G	52.67	54.00	-1.33	30.97	3	Horizontal	186	1.08	-
PK	2.4602G	99.85	Inf	-Inf	30.89	3	Horizontal	186	1.08	-
PK	2.4862G	63.08	74.00	-10.92	30.98	3	Horizontal	186	1.08	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

15/02/2019

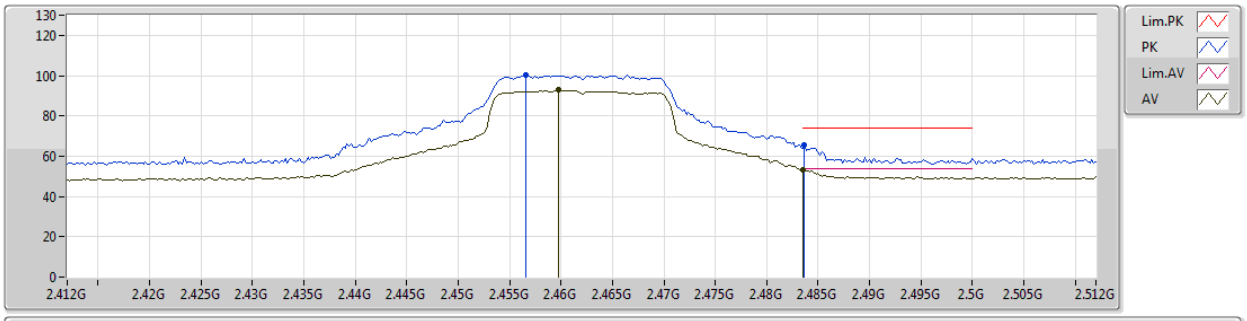


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4596G	90.14	Inf	-Inf	30.89	3	Vertical	132	1.33	-
AV	2.4835G	51.44	54.00	-2.56	30.97	3	Vertical	132	1.33	-
PK	2.4566G	97.58	Inf	-Inf	30.89	3	Vertical	132	1.33	-
PK	2.484G	62.90	74.00	-11.10	30.97	3	Vertical	132	1.33	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

15/02/2019

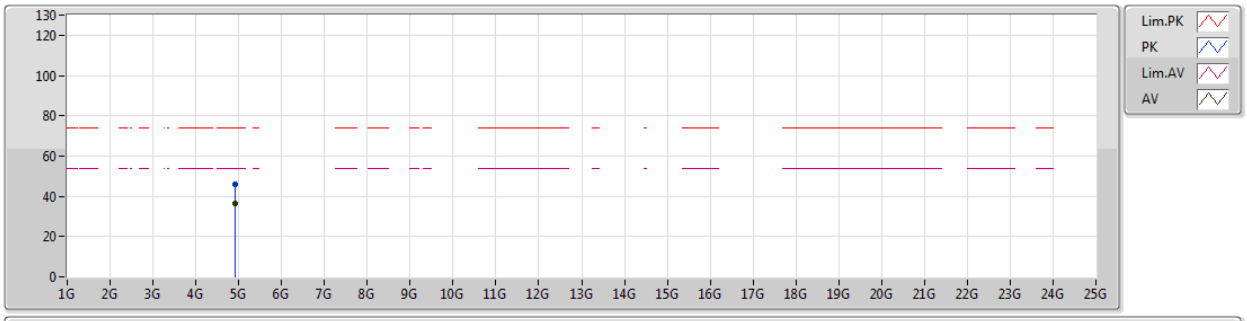


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4598G	92.83	Inf	-Inf	30.89	3	Horizontal	135	1.18	-
AV	2.4835G	53.42	54.00	-0.58	30.97	3	Horizontal	135	1.18	-
PK	2.4566G	100.24	Inf	-Inf	30.89	3	Horizontal	135	1.18	-
PK	2.4836G	65.57	74.00	-8.43	30.97	3	Horizontal	135	1.18	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

15/02/2019

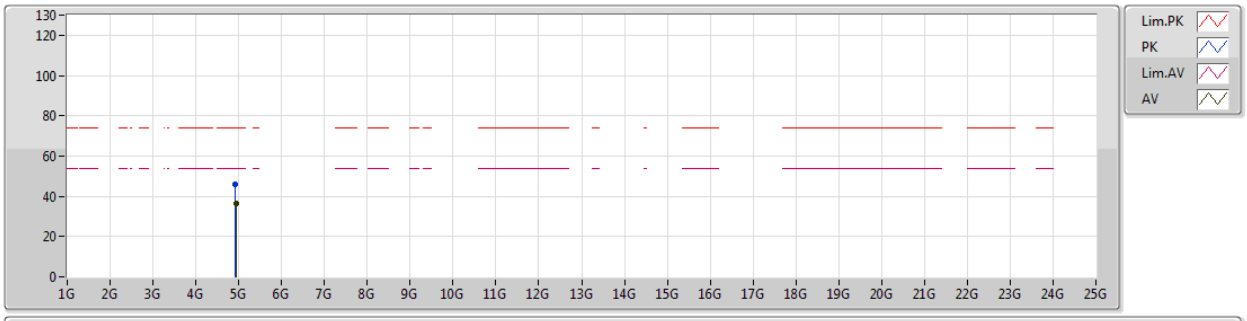


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.91752G	36.45	54.00	-17.55	6.75	3	Vertical	244	1.50	-
PK	4.91782G	46.12	74.00	-27.88	6.75	3	Vertical	244	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

15/02/2019

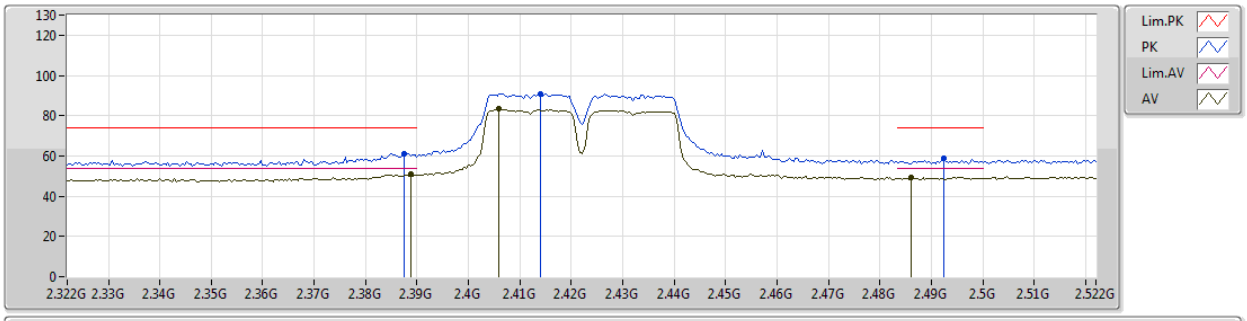


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9339G	36.56	54.00	-17.44	6.79	3	Horizontal	358	2.62	-
PK	4.9153G	45.90	74.00	-28.10	6.75	3	Horizontal	358	2.62	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

15/02/2019

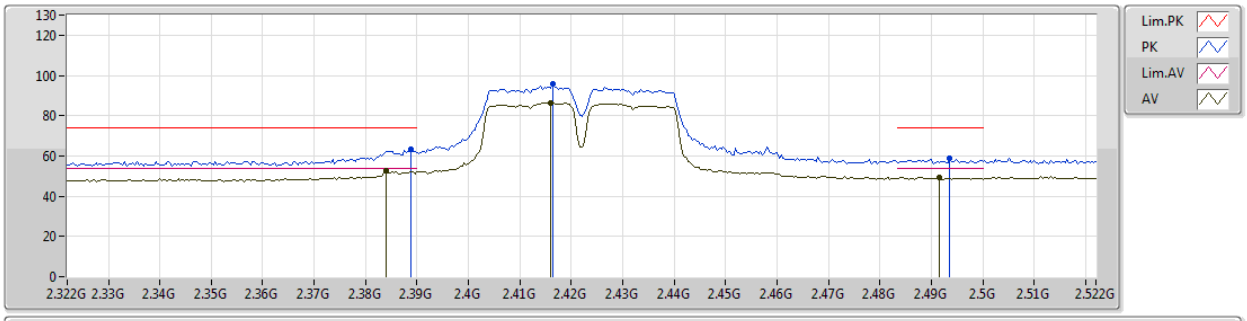


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	50.74	54.00	-3.26	30.68	3	Vertical	177	1.82	-
AV	2.406G	83.28	Inf	-Inf	30.73	3	Vertical	177	1.82	-
AV	2.486G	49.35	54.00	-4.65	30.98	3	Vertical	177	1.82	-
PK	2.3876G	61.27	74.00	-12.73	30.68	3	Vertical	177	1.82	-
PK	2.414G	90.98	Inf	-Inf	30.76	3	Vertical	177	1.82	-
PK	2.4924G	58.91	74.00	-15.09	30.99	3	Vertical	177	1.82	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

15/02/2019

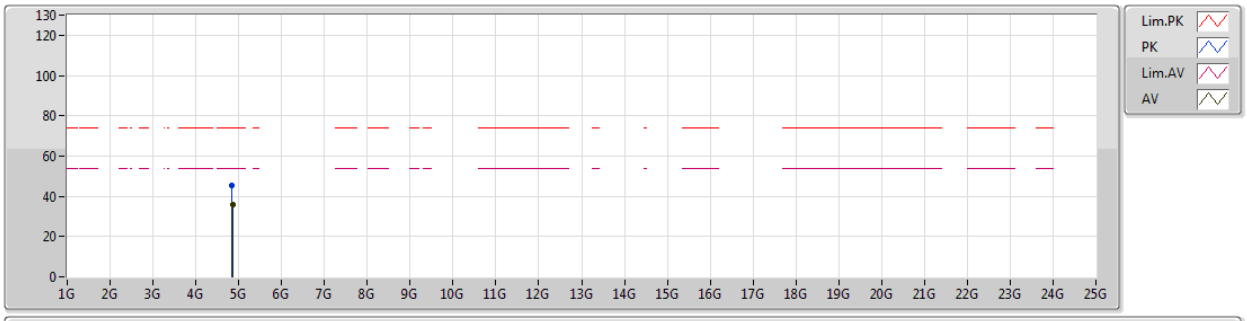


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.384G	52.59	54.00	-1.41	30.67	3	Horizontal	136	1.13	-
AV	2.416G	86.36	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
AV	2.4916G	49.36	54.00	-4.64	30.99	3	Horizontal	136	1.13	-
PK	2.3888G	63.04	74.00	-10.96	30.68	3	Horizontal	136	1.13	-
PK	2.4164G	95.63	Inf	-Inf	30.77	3	Horizontal	136	1.13	-
PK	2.4936G	58.63	74.00	-15.37	30.99	3	Horizontal	136	1.13	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

15/02/2019

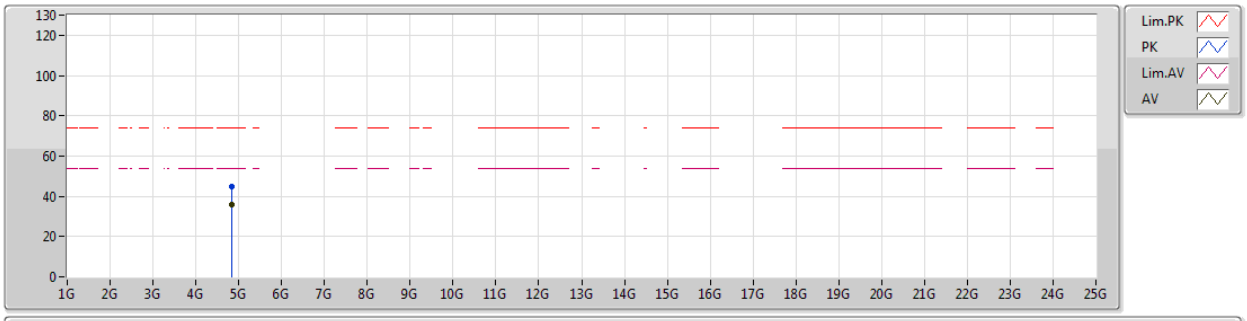


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.85864G	36.09	54.00	-17.91	6.62	3	Vertical	225	1.03	-
PK	4.84412G	45.65	74.00	-28.35	6.58	3	Vertical	225	1.03	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

15/02/2019

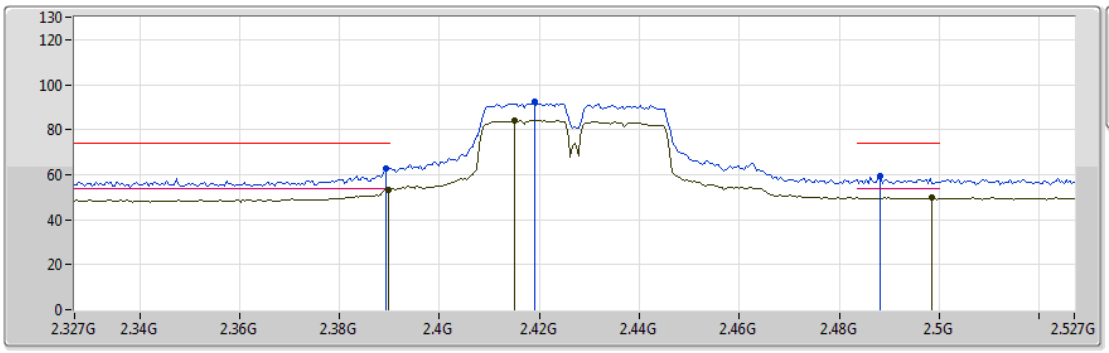


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.84502G	35.88	54.00	-18.12	6.58	3	Horizontal	280	1.50	-
PK	4.847G	44.76	74.00	-29.24	6.59	3	Horizontal	280	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

15/02/2019

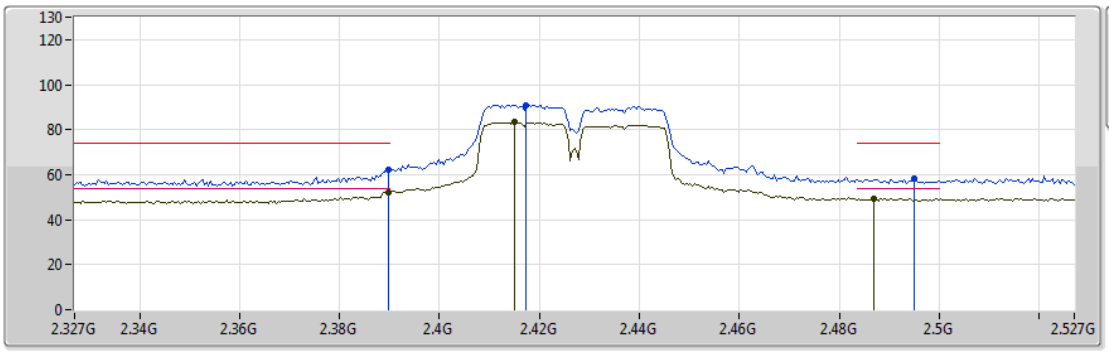


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.26	54.00	-0.74	30.69	3	Vertical	215	1.50	-
AV	2.415G	84.29	Inf	-Inf	30.77	3	Vertical	215	1.50	-
AV	2.4986G	49.97	54.00	-4.03	31.01	3	Vertical	215	1.50	-
PK	2.3894G	62.93	74.00	-11.07	30.68	3	Vertical	215	1.50	-
PK	2.419G	92.32	Inf	-Inf	30.78	3	Vertical	215	1.50	-
PK	2.4882G	59.20	74.00	-14.80	30.98	3	Vertical	215	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

15/02/2019

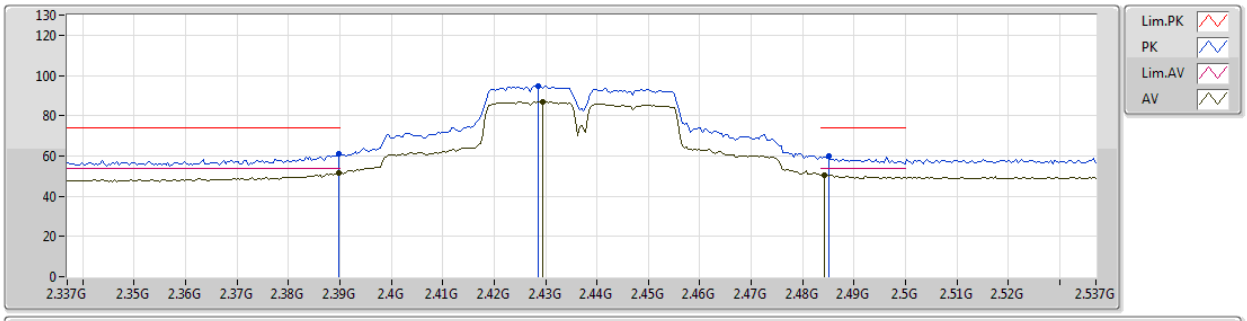


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	52.36	54.00	-1.64	30.69	3	Horizontal	153	1.08	-
AV	2.415G	83.31	Inf	-Inf	30.77	3	Horizontal	153	1.08	-
AV	2.487G	49.52	54.00	-4.48	30.98	3	Horizontal	153	1.08	-
PK	2.3898G	62.39	74.00	-11.61	30.69	3	Horizontal	153	1.08	-
PK	2.4174G	90.85	Inf	-Inf	30.77	3	Horizontal	153	1.08	-
PK	2.495G	58.01	74.00	-15.99	31.00	3	Horizontal	153	1.08	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

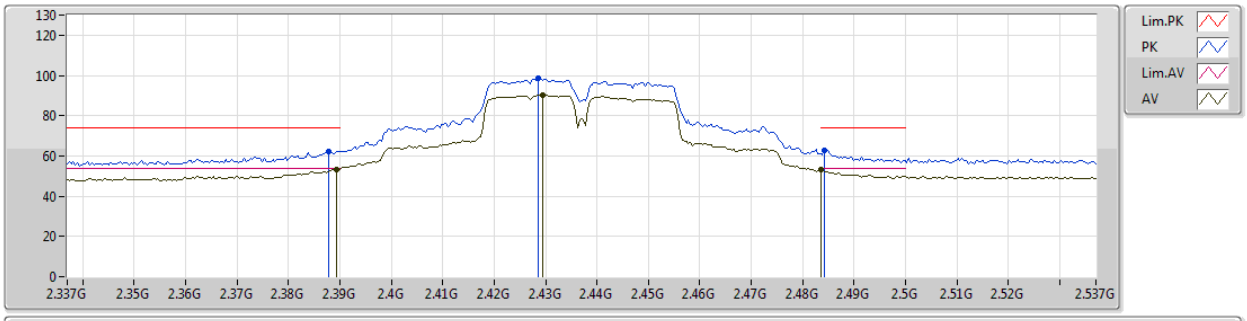


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	51.55	54.00	-2.45	30.69	3	Vertical	130	1.35	-
AV	2.4294G	86.97	Inf	-Inf	30.81	3	Vertical	130	1.35	-
AV	2.4842G	50.55	54.00	-3.45	30.97	3	Vertical	130	1.35	-
PK	2.3898G	61.12	74.00	-12.88	30.69	3	Vertical	130	1.35	-
PK	2.4286G	94.88	Inf	-Inf	30.81	3	Vertical	130	1.35	-
PK	2.485G	60.11	74.00	-13.89	30.97	3	Vertical	130	1.35	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

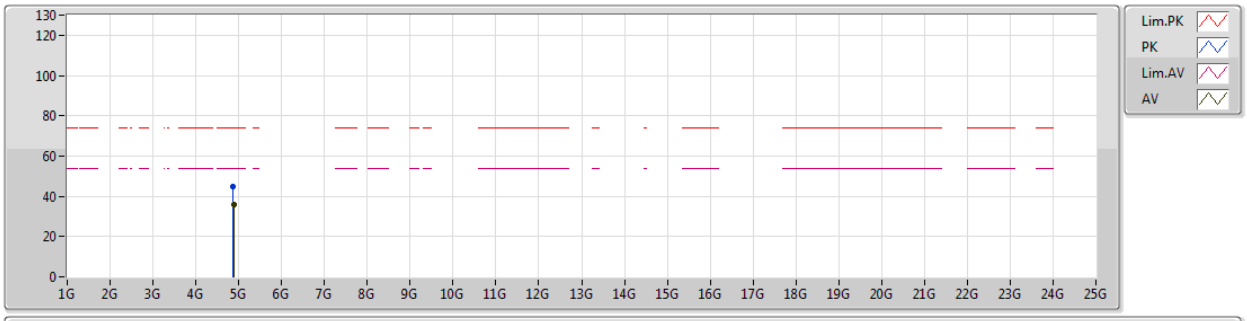


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3894G	53.41	54.00	-0.59	30.68	3	Horizontal	136	1.08	-
AV	2.4294G	90.37	Inf	-Inf	30.81	3	Horizontal	136	1.08	-
AV	2.4835G	53.00	54.00	-1.00	30.97	3	Horizontal	136	1.08	-
PK	2.3878G	62.24	74.00	-11.76	30.68	3	Horizontal	136	1.08	-
PK	2.4286G	98.41	Inf	-Inf	30.81	3	Horizontal	136	1.08	-
PK	2.4842G	62.99	74.00	-11.01	30.97	3	Horizontal	136	1.08	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

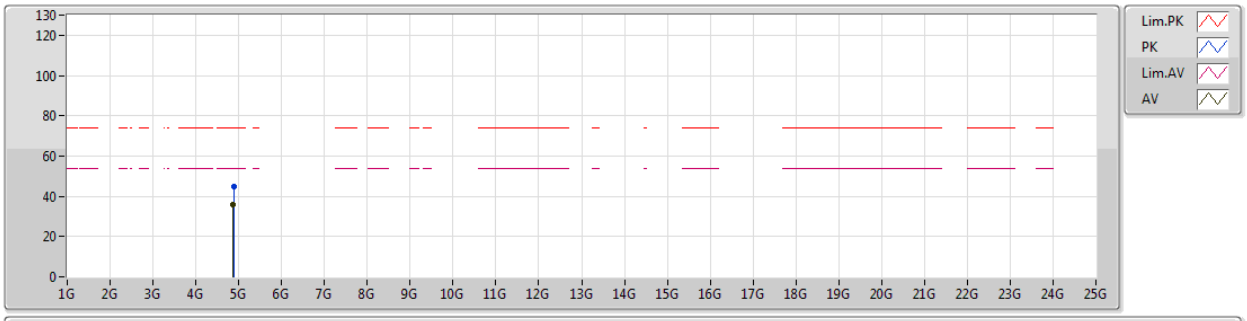


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88768G	35.76	54.00	-18.24	6.68	3	Vertical	115	1.57	-
PK	4.86692G	45.07	74.00	-28.93	6.64	3	Vertical	115	1.57	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

15/02/2019

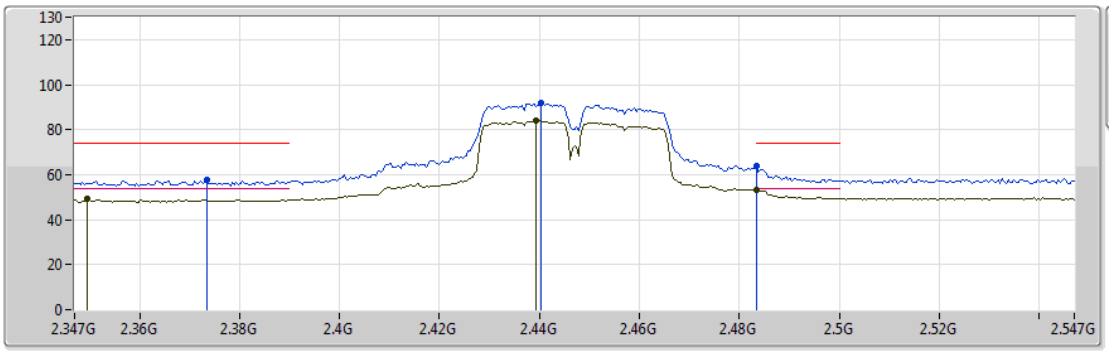


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.865G	35.71	54.00	-18.29	6.64	3	Horizontal	286	1.50	-
PK	4.88114G	45.02	74.00	-28.98	6.67	3	Horizontal	286	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

15/02/2019

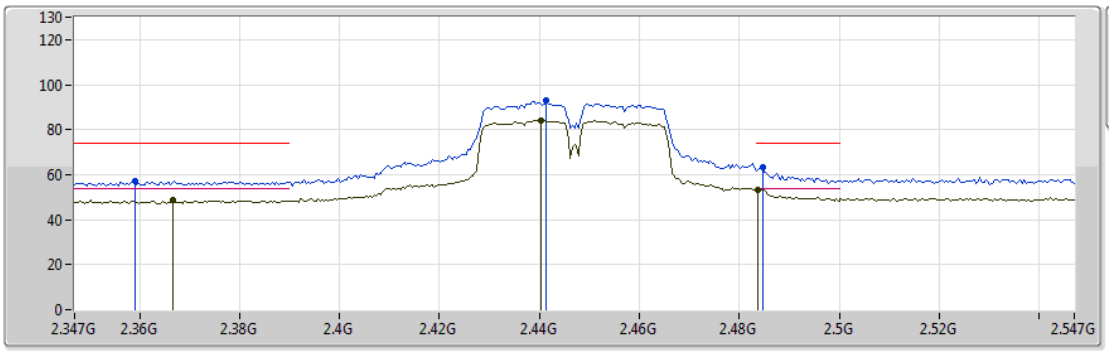


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3494G	49.58	54.00	-4.42	30.56	3	Vertical	218	1.27	-
AV	2.4394G	83.97	Inf	-Inf	30.83	3	Vertical	218	1.27	-
AV	2.4835G	53.10	54.00	-0.90	30.97	3	Vertical	218	1.27	-
PK	2.3734G	57.66	74.00	-16.34	30.64	3	Vertical	218	1.27	-
PK	2.4402G	91.69	Inf	-Inf	30.84	3	Vertical	218	1.27	-
PK	2.4835G	63.88	74.00	-10.12	30.97	3	Vertical	218	1.27	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

15/02/2019

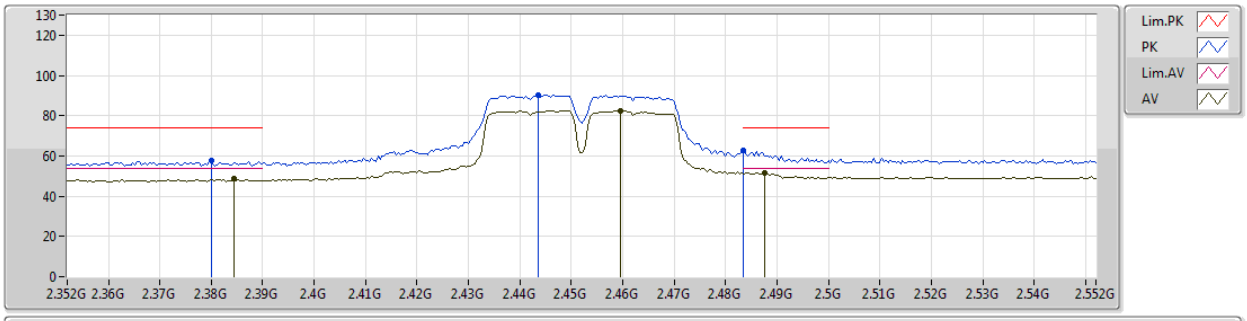


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3666G	48.78	54.00	-5.22	30.62	3	Horizontal	187	1.14	-
AV	2.4402G	83.99	Inf	-Inf	30.84	3	Horizontal	187	1.14	-
AV	2.4838G	53.24	54.00	-0.76	30.97	3	Horizontal	187	1.14	-
PK	2.359G	57.40	74.00	-16.60	30.59	3	Horizontal	187	1.14	-
PK	2.4414G	92.78	Inf	-Inf	30.84	3	Horizontal	187	1.14	-
PK	2.4846G	63.11	74.00	-10.89	30.97	3	Horizontal	187	1.14	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

15/02/2019

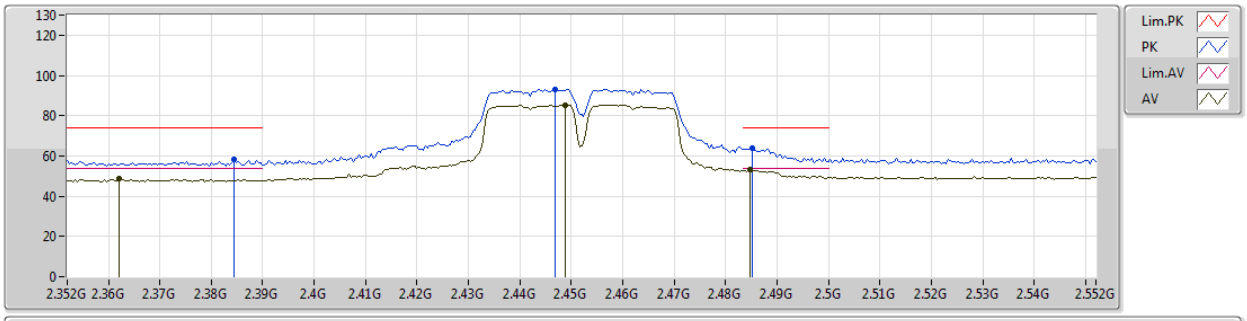


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3844G	48.67	54.00	-5.33	30.67	3	Vertical	144	1.43	-
AV	2.4596G	82.45	Inf	-Inf	30.89	3	Vertical	144	1.43	-
AV	2.4876G	51.46	54.00	-2.54	30.98	3	Vertical	144	1.43	-
PK	2.38G	57.65	74.00	-16.35	30.66	3	Vertical	144	1.43	-
PK	2.4436G	90.36	Inf	-Inf	30.84	3	Vertical	144	1.43	-
PK	2.4835G	62.77	74.00	-11.23	30.97	3	Vertical	144	1.43	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

15/02/2019

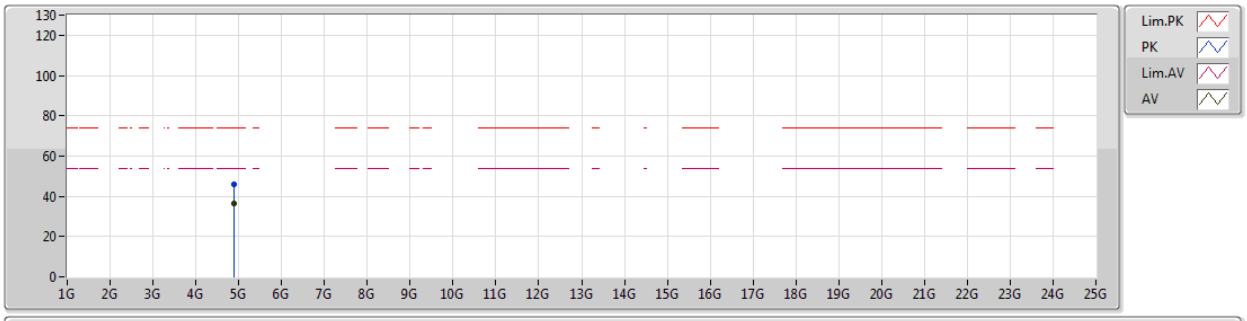


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.362G	48.60	54.00	-5.40	30.60	3	Horizontal	135	1.23	-
AV	2.4488G	85.35	Inf	-Inf	30.87	3	Horizontal	135	1.23	-
AV	2.4848G	53.42	54.00	-0.58	30.97	3	Horizontal	135	1.23	-
PK	2.3844G	58.20	74.00	-15.80	30.67	3	Horizontal	135	1.23	-
PK	2.4468G	93.14	Inf	-Inf	30.86	3	Horizontal	135	1.23	-
PK	2.4852G	64.15	74.00	-9.85	30.97	3	Horizontal	135	1.23	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

15/02/2019

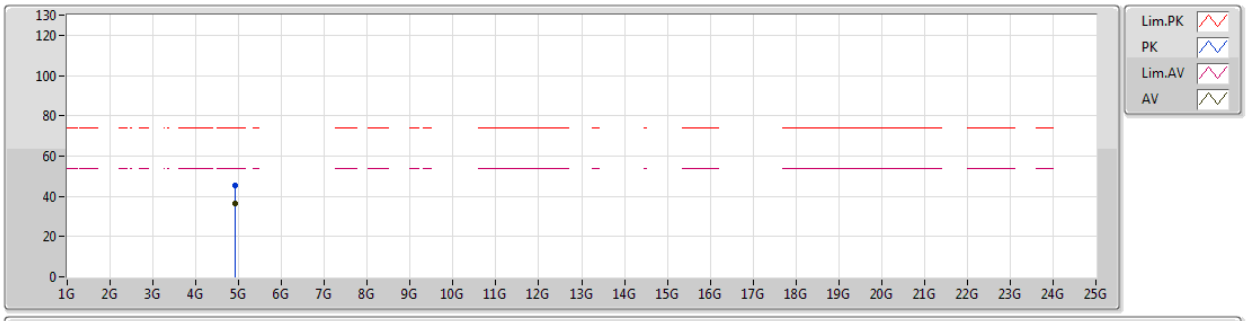


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.89146G	36.62	54.00	-17.38	6.70	3	Vertical	359	1.50	-
PK	4.89206G	45.85	74.00	-28.15	6.70	3	Vertical	359	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

15/02/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.919G	36.15	54.00	-17.85	6.76	3	Horizontal	359	1.50	-
PK	4.90928G	45.59	74.00	-28.41	6.73	3	Horizontal	359	1.50	-