FCC Test Report

FCC ID	:	**SWX-UVPT**
Equipment	:	**UniFi VoIP Phone Touch**
Brand Name	:	**UBIQUITI**
Model Name	:	**UVP-Touch**
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 Nov. 08, 2018, and testing was started from Nov. 13, 2018 and completed on Dec. 28, 2018. . 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
FR5O0205-02AC	01	Initial issue of report	Feb. 27, 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: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	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	Murata

Ant.	Port	Gain (dBi)		
		2.4G	5G	BT
1	1	1	1	1

Note 1: The EUT has three 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 a/n/ac mode (1TX/1RX)

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

For BT function:

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

Ant. 1 (port 1) 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	0.971	0.128	8.225m	300
802.11g	0.865	0.63	1.365m	1k
802.11n HT20	0.863	0.64	1.277m	1k
802.11n HT40	0.739	1.314	640u	3k

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 v05

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	CO04-HY	Andy	23°C / 61%	13/Nov/2018
RF Conducted	TH01-HY	Streak	23.4°C / 64%	28/Dec/2018
Radiated	03CH02-HY	Lego	23°C / 63%	28/Dec/2018

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	110V

2.2 Test Channel Mode

Test Software Version	QDART-V 100038

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

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	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.4 Support Equipment

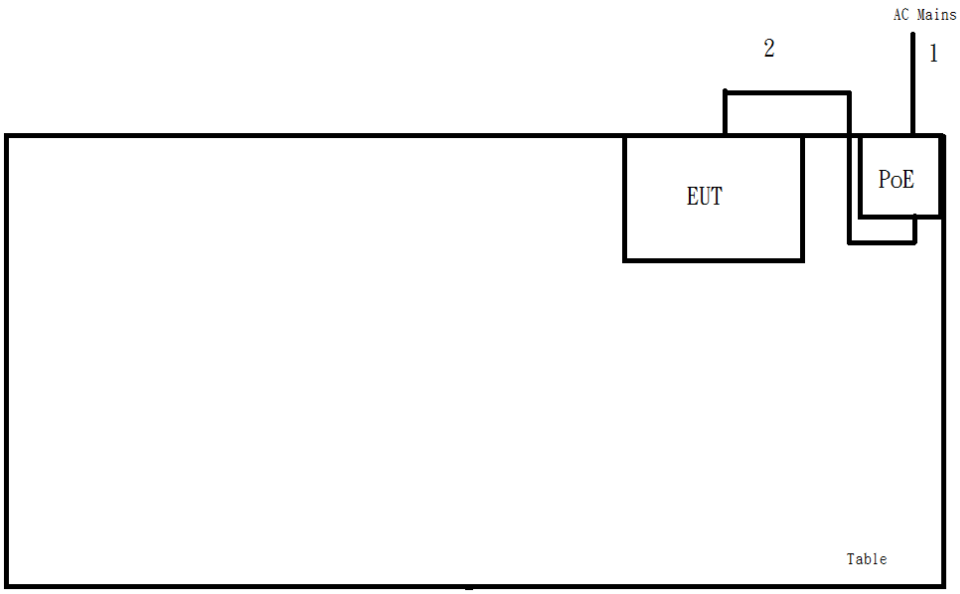
Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE	UBNT	GP-C500-120G	N/A

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

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	PoE(Remote)	UBNT	GP-C500-120G	N/A

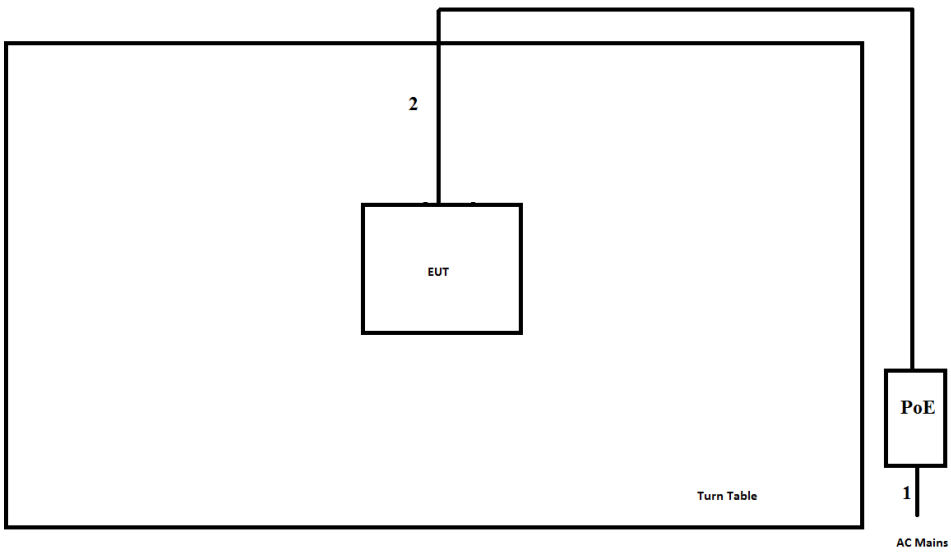
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length
1	AC Power line	No	1.8 m
2	RJ45 Cable	No	1.0 m

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length
1	RJ45 Cable	No	10 m
2	AC Power line	No	0.1 m

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

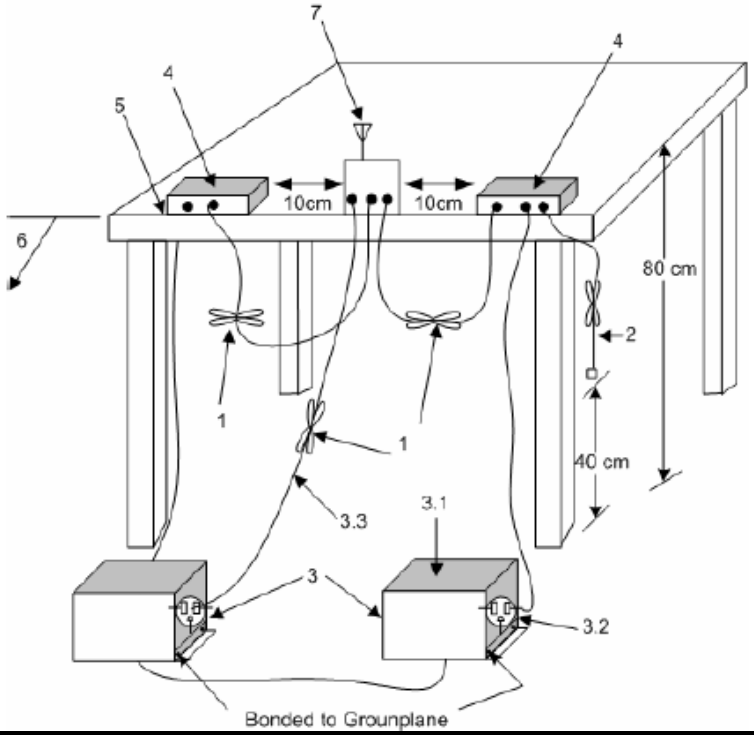
Refer a test equipment and calibration data table in this test report.

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.

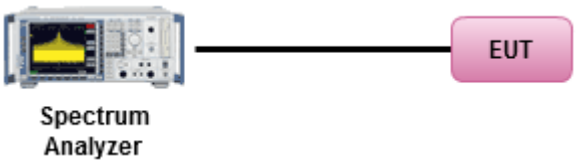
3.2.2 Measuring Instruments

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

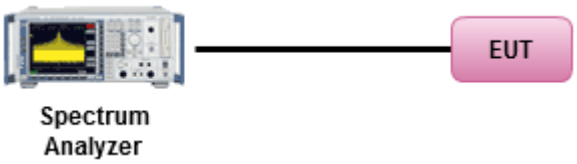
3.4.2 Measuring Instruments

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.	

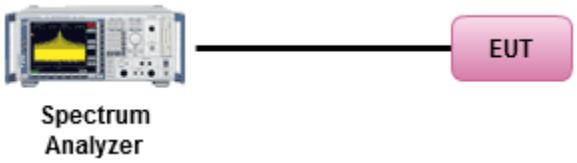
3.5.2 Measuring Instruments

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.

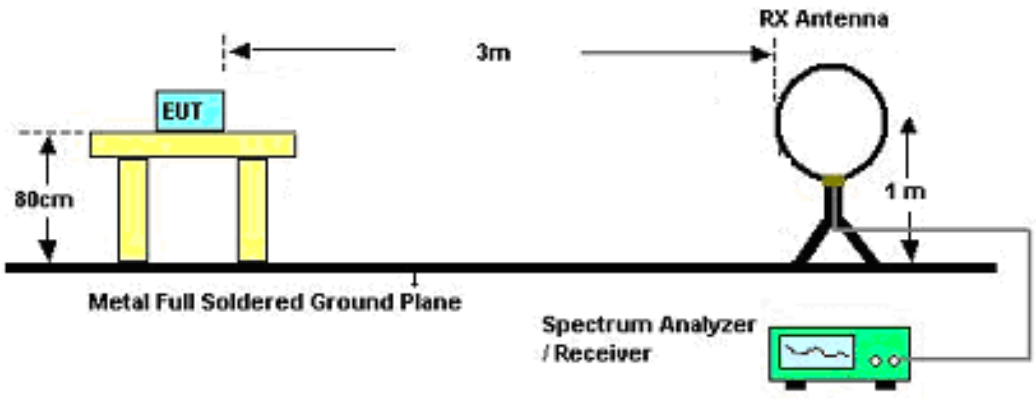
3.6.2 Measuring Instruments

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

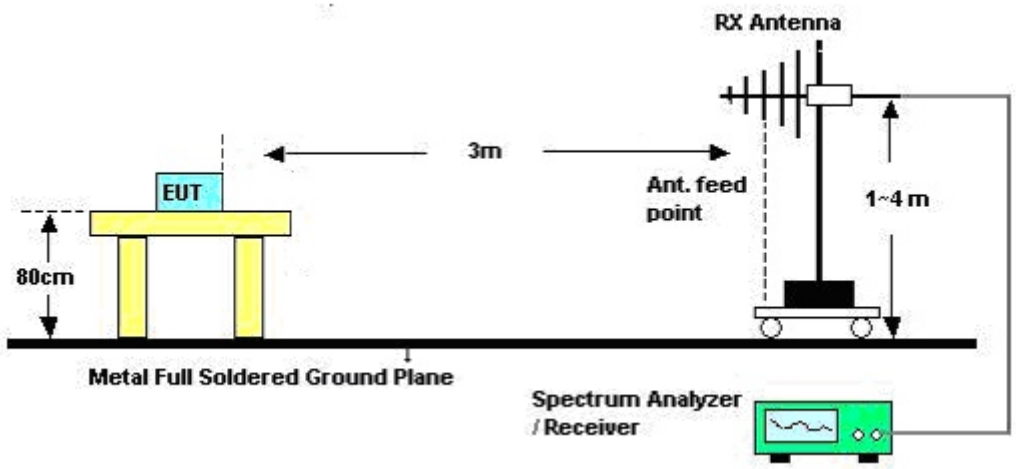
3.6.3 Test Procedures

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.

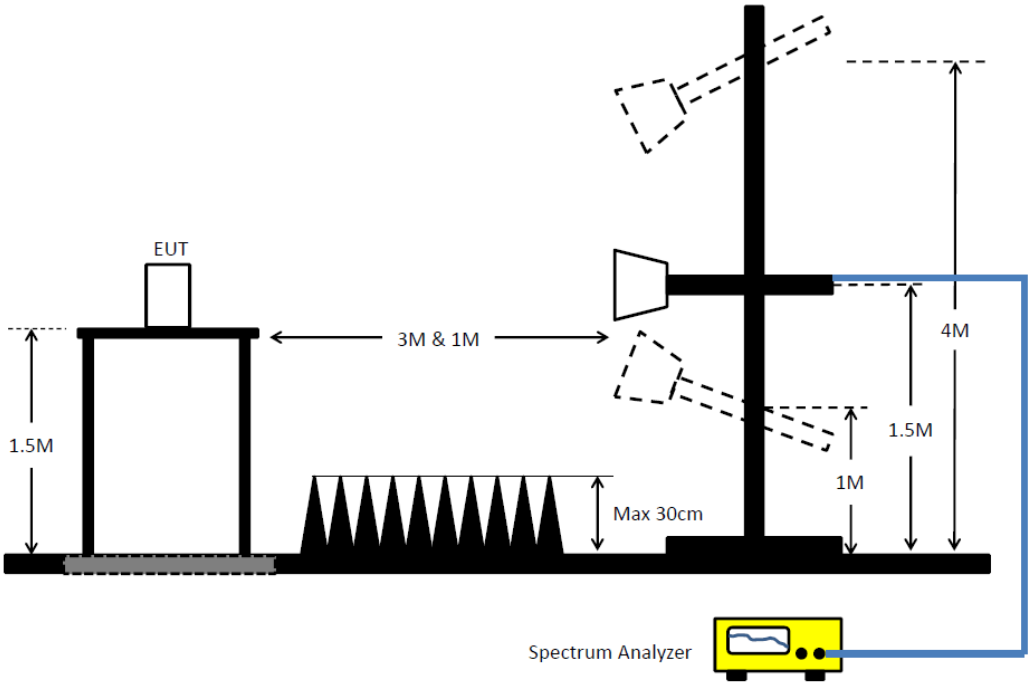
3.6.4 Test Setup

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	ESR	102051	9KHz ~ 3.6GHz	03/May/2018	02/May/2019
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	17/Nov/2017	16/Nov/2018
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

Instrument for Conducted Test

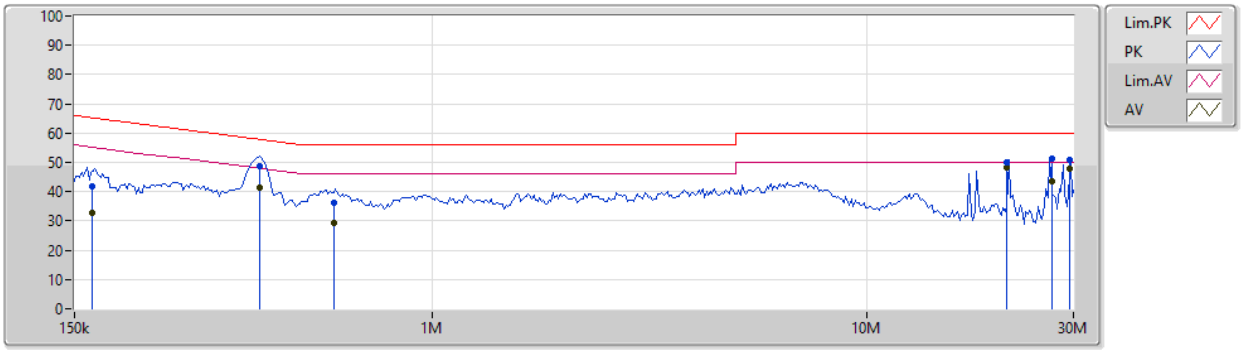
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	05/Feb/2018	04/Feb/2019
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	05/Feb/2018	04/Feb/2019
2Way Divider	Microwave	MVE8546	TH01-DV-01	1MHz~6MHz	23/Jan/2018	22/Jan/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	11/Jan/2018	10/Jan/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	11/Jan/2018	10/Jan/2019
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~1G	11/Jan/2018	10/Jan/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz ~ 1GHz 3m	19/Oct/2018	18/Oct/2019
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz 3m	17/Oct/2018	16/Oct/2019
Amplifier	Agilent	8447D	2944A11149	100kHz ~ 1.3GHz	27Jul/2018	02/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz ~ 26.5GHz	23/Oct/2018	22/Oct/2019
Signal Analyzer	R&S	FSV40	101500	10Hz ~ 40GHz	18/Jul/2018	17/Jul/2019
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	19/Jan/2018	18/Jan/2019
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	19/Jan/2018	18/Jan/2019
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz ~ 40GHz	06/Feb/2018	05/Feb/2019
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120D	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
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	10/Apr/2018	09/Apr/2019

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

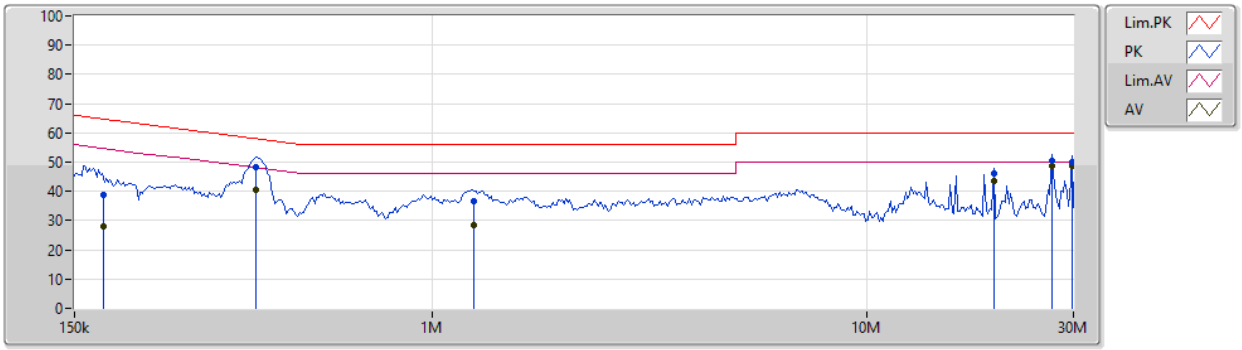
13/11/2018



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	164.219k	41.85	65.25	-23.40	19.66	Neutral	-	22.19	9.63	0.03	10.00
AV	164.219k	32.64	55.25	-22.61	19.66	Neutral	-	12.98	9.63	0.03	10.00
QP	400.185k	48.77	57.85	-9.08	19.71	Neutral	-	29.06	9.61	0.10	10.00
AV	400.185k	41.43	47.85	-6.42	19.71	Neutral	-	21.72	9.61	0.10	10.00
QP	595.407k	36.12	56.00	-19.88	19.67	Neutral	-	16.45	9.61	0.06	10.00
AV	595.407k	29.15	46.00	-16.85	19.67	Neutral	-	9.48	9.61	0.06	10.00
QP	21.053M	49.81	60.00	-10.19	19.87	Neutral	-	29.94	9.71	0.16	10.00
AV	21.053M	48.36	50.00	-1.64	19.87	Neutral	"Worst"	28.49	9.71	0.16	10.00
QP	26.728M	51.43	60.00	-8.57	19.81	Neutral	-	31.62	9.70	0.11	10.00
AV	26.728M	43.63	50.00	-6.37	19.81	Neutral	-	23.82	9.70	0.11	10.00
QP	29.34M	50.66	60.00	-9.34	19.95	Neutral	-	30.71	9.69	0.26	10.00
AV	29.34M	48.00	50.00	-2.00	19.95	Neutral	-	28.05	9.69	0.26	10.00

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

13/11/2018



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	175.072k	38.70	64.72	-26.02	19.64	Line	-	19.06	9.62	0.02	10.00
AV	175.072k	28.00	54.72	-26.72	19.64	Line	-	8.36	9.62	0.02	10.00
QP	393.862k	48.35	57.99	-9.64	19.71	Line	-	28.64	9.61	0.10	10.00
AV	393.862k	40.42	47.99	-7.57	19.71	Line	-	20.71	9.61	0.10	10.00
QP	1.251M	36.63	56.00	-19.37	19.62	Line	-	17.01	9.61	0.01	10.00
AV	1.251M	28.61	46.00	-17.39	19.62	Line	-	8.99	9.61	0.01	10.00
QP	19.659M	46.33	60.00	-13.67	19.81	Line	-	26.52	9.62	0.19	10.00
AV	19.659M	43.62	50.00	-6.38	19.81	Line	-	23.81	9.62	0.19	10.00
QP	26.764M	50.33	60.00	-9.67	19.65	Line	-	30.68	9.53	0.12	10.00
AV	26.764M	48.57	50.00	-1.43	19.65	Line	-	28.92	9.53	0.12	10.00
QP	29.858M	50.04	60.00	-9.96	19.79	Line	-	30.25	9.50	0.29	10.00
AV	29.858M	48.70	50.00	-1.30	19.79	Line	"Worst"	28.91	9.50	0.29	10.00

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	10M	16.117M	16M1G1D	8.075M	13.568M
802.11g_Nss1,(6Mbps)_1TX	16.35M	17.641M	17M6D1D	16.275M	16.567M
802.11n HT20_Nss1,(MCS0)_1TX	17.575M	18.691M	18M7D1D	17.3M	17.716M
802.11n HT40_Nss1,(MCS0)_1TX	35.7M	36.582M	36M6D1D	32.6M	35.882M

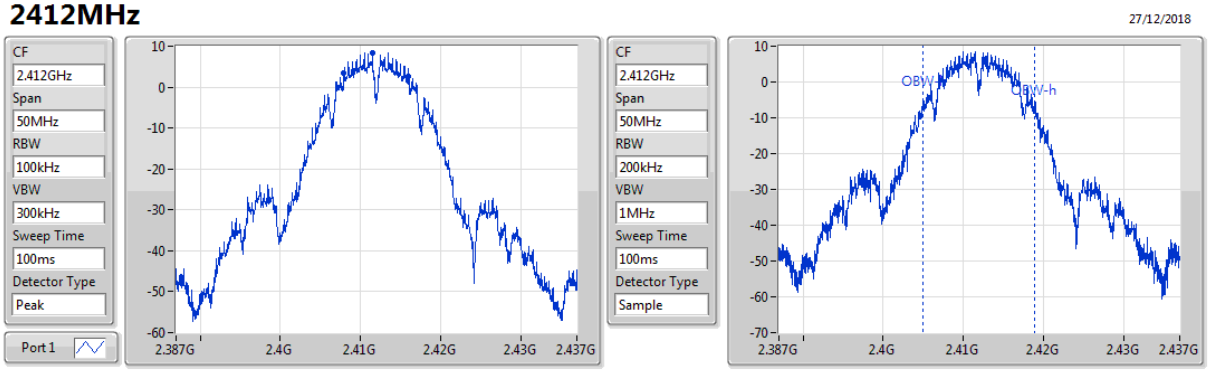
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.075M	13.968M
2437MHz	Pass	500k	8.525M	13.568M
2462MHz	Pass	500k	10M	16.117M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.275M	16.567M
2437MHz	Pass	500k	16.35M	17.641M
2462MHz	Pass	500k	16.325M	16.992M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.3M	17.716M
2437MHz	Pass	500k	17.575M	18.691M
2462MHz	Pass	500k	17.4M	17.941M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	32.6M	35.882M
2437MHz	Pass	500k	33.75M	36.232M
2452MHz	Pass	500k	35.7M	36.582M

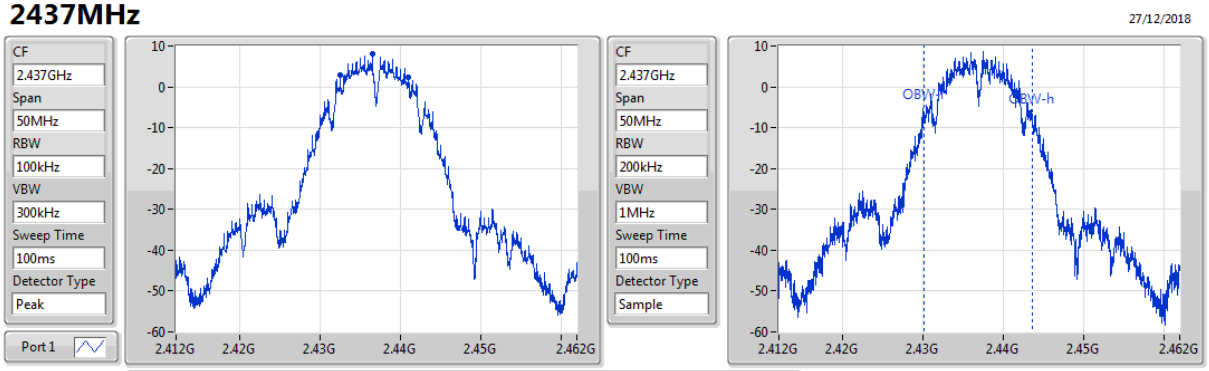
Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz



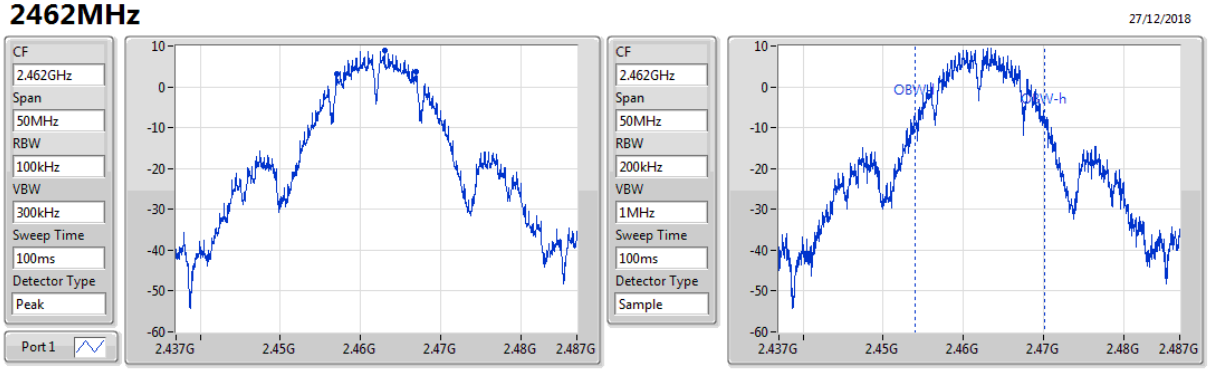
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.40795G	2.416025G	13.968M	2.404904G	2.418872G	500k	1

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
8.525M	2.432475G	2.441G	13.568M	2.430078G	2.443647G	500k	1

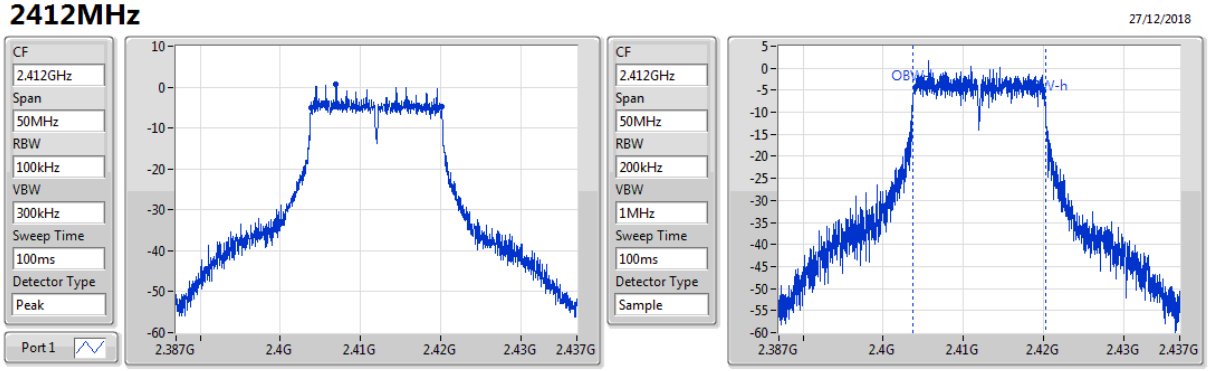
802.11b_Nss1,(1Mbps)_1TX
EBW
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10M	2.457G	2.467G	16.117M	2.454004G	2.470121G	500k	1

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

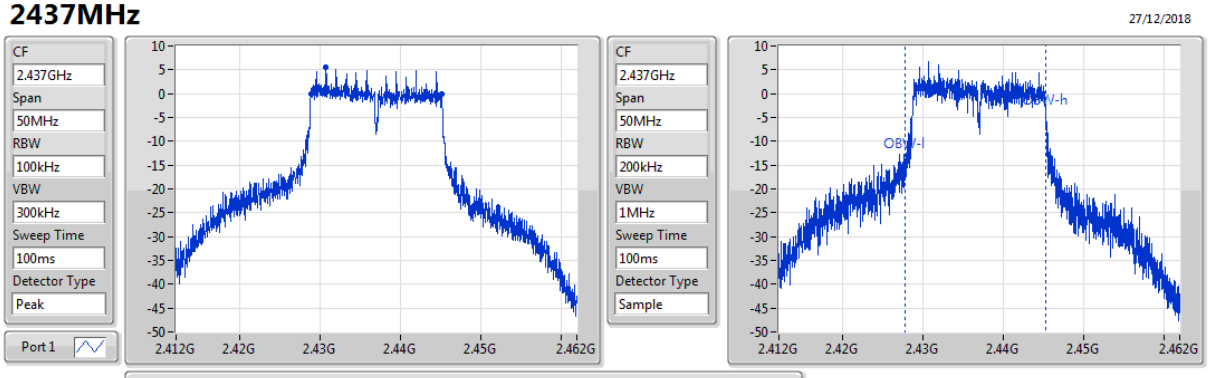
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.40385G	2.420125G	16.567M	2.403679G	2.420246G	500k	1

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

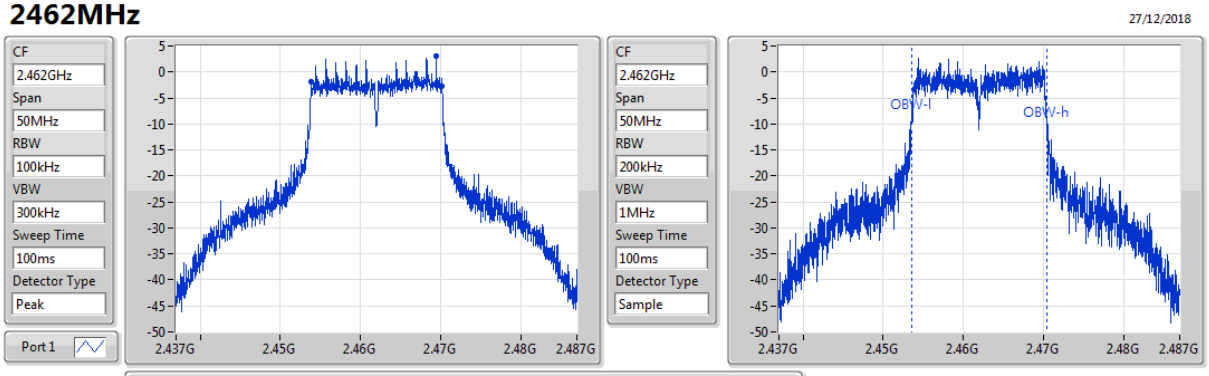
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	17.641M	2.42768G	2.445321G	500k	1

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

2462MHz

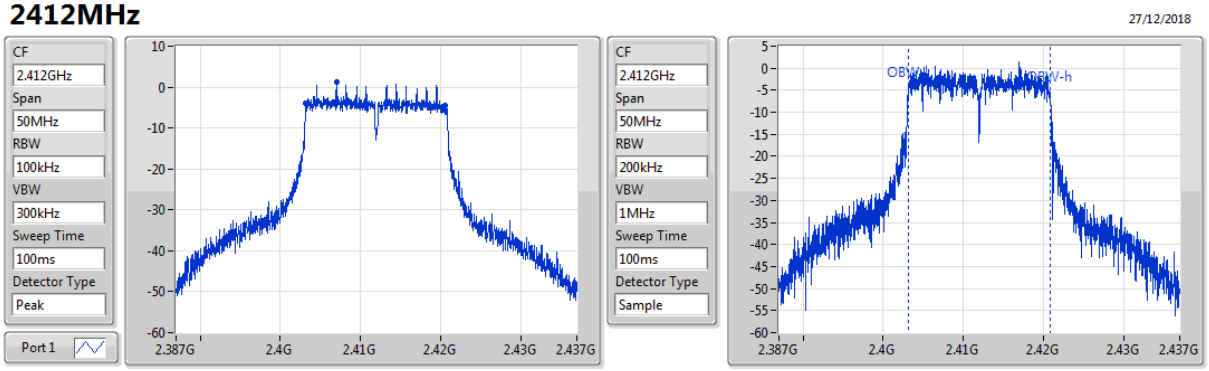


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.992M	2.453504G	2.470496G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2412MHz

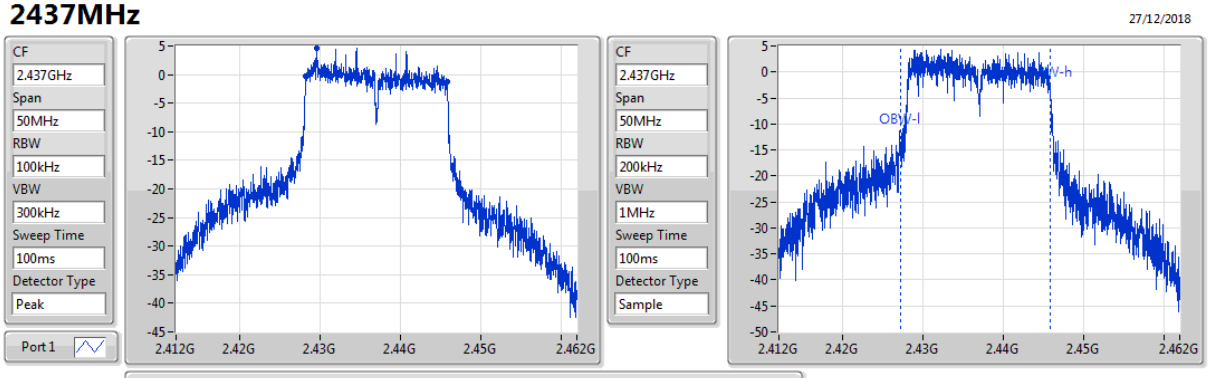


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.403225G	2.420525G	17.716M	2.403104G	2.420821G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2437MHz

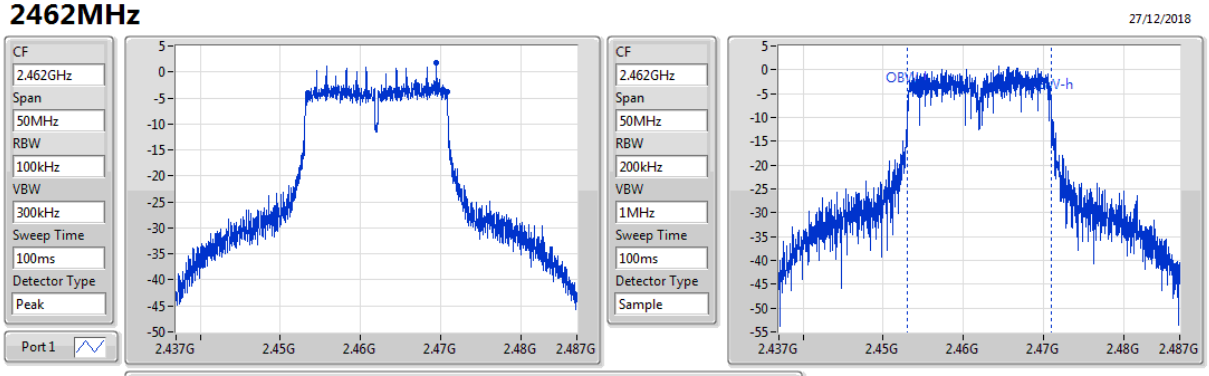


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	18.691M	2.427205G	2.445896G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

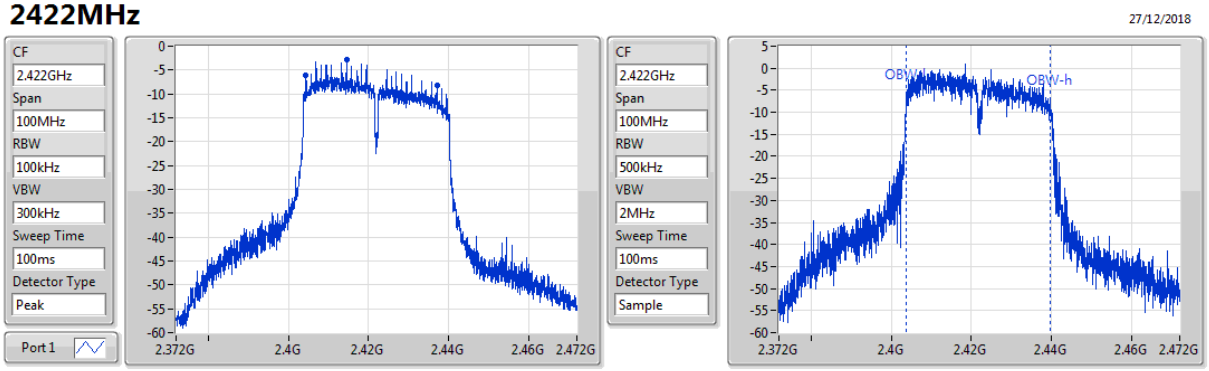
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.4M	2.453375G	2.470775G	17.941M	2.453054G	2.470996G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

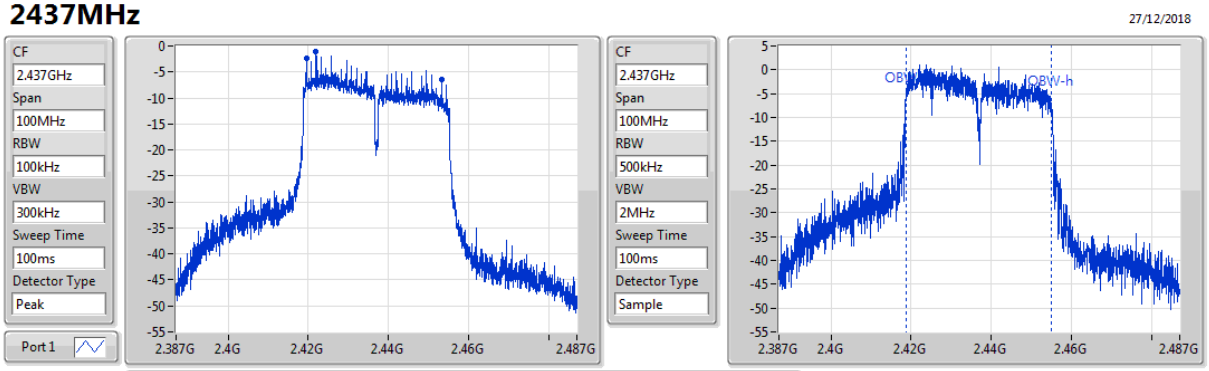
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.6M	2.40445G	2.43705G	35.882M	2.403809G	2.439691G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

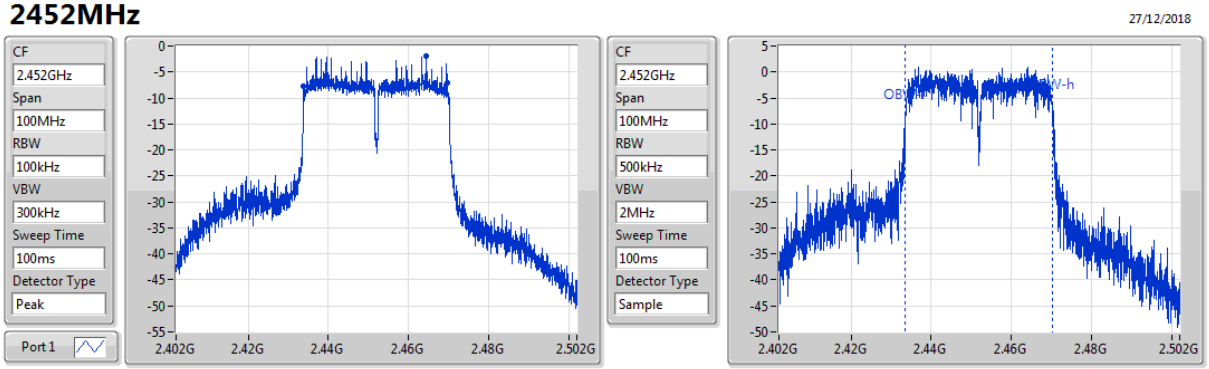
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.75M	2.4195G	2.45325G	36.232M	2.418659G	2.454891G	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
35.7M	2.43385G	2.46955G	36.582M	2.433559G	2.470141G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	17.91	0.06180
802.11g_Nss1,(6Mbps)_1TX	17.90	0.06166
802.11n HT20_Nss1,(MCS0)_1TX	17.94	0.06223
802.11n HT40_Nss1,(MCS0)_1TX	12.81	0.01910

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	17.88	17.88	30.00
2417MHz	Pass	1.00	17.62	17.62	30.00
2437MHz	Pass	1.00	16.98	16.98	30.00
2457MHz	Pass	1.00	17.91	17.91	30.00
2462MHz	Pass	1.00	17.85	17.85	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	11.85	11.85	30.00
2417MHz	Pass	1.00	17.56	17.56	30.00
2437MHz	Pass	1.00	16.38	16.38	30.00
2452MHz	Pass	1.00	17.90	17.90	30.00
2457MHz	Pass	1.00	17.66	17.66	30.00
2462MHz	Pass	1.00	14.21	14.21	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	12.74	12.74	30.00
2417MHz	Pass	1.00	17.94	17.94	30.00
2437MHz	Pass	1.00	16.45	16.45	30.00
2452MHz	Pass	1.00	17.87	17.87	30.00
2457MHz	Pass	1.00	17.24	17.24	30.00
2462MHz	Pass	1.00	12.95	12.95	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.00	10.27	10.27	30.00
2427MHz	Pass	1.00	12.10	12.10	30.00
2432MHz	Pass	1.00	11.45	11.45	30.00
2437MHz	Pass	1.00	11.14	11.14	30.00
2447MHz	Pass	1.00	12.81	12.81	30.00
2452MHz	Pass	1.00	12.06	12.06	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	-5.38
802.11g_Nss1,(6Mbps)_1TX	-9.59
802.11n HT20_Nss1,(MCS0)_1TX	-8.73
802.11n HT40_Nss1,(MCS0)_1TX	-15.75

RBW=3kHz.

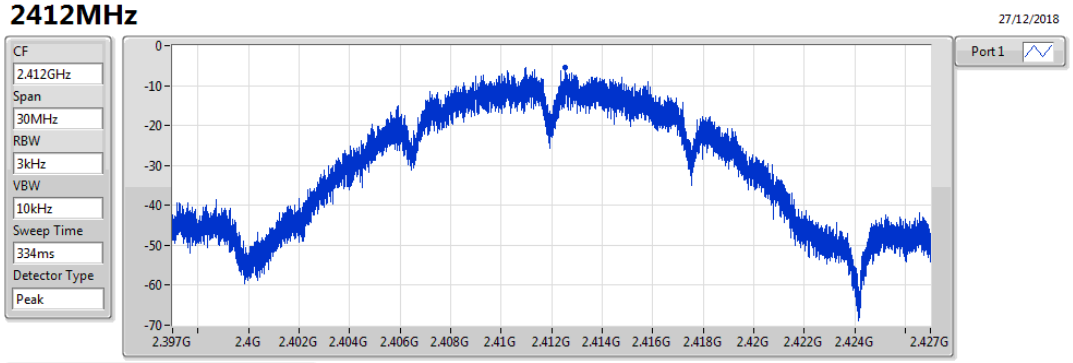
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	-5.38	-5.38	8.00
2437MHz	Pass	1.00	-6.20	-6.20	8.00
2462MHz	Pass	1.00	-5.64	-5.64	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	-14.27	-14.27	8.00
2437MHz	Pass	1.00	-9.59	-9.59	8.00
2462MHz	Pass	1.00	-11.69	-11.69	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.00	-12.95	-12.95	8.00
2437MHz	Pass	1.00	-8.73	-8.73	8.00
2462MHz	Pass	1.00	-12.82	-12.82	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.00	-16.63	-16.63	8.00
2437MHz	Pass	1.00	-15.75	-15.75	8.00
2452MHz	Pass	1.00	-16.32	-16.32	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**

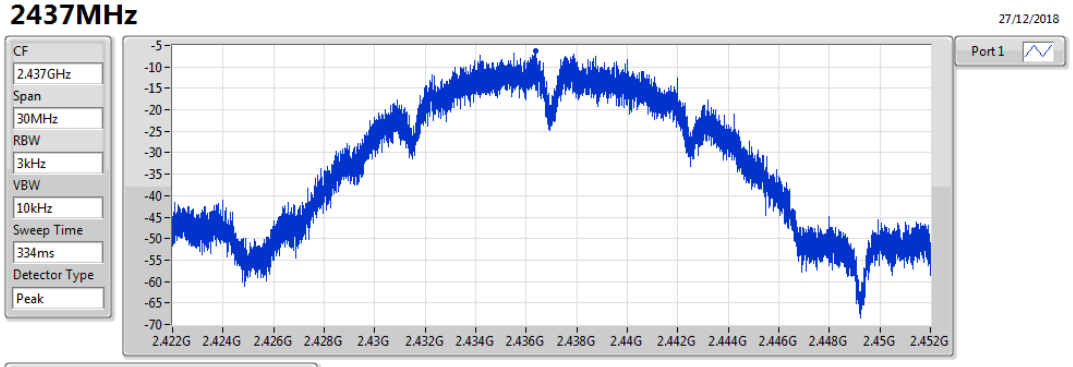
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.38	-5.38	-5.38

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

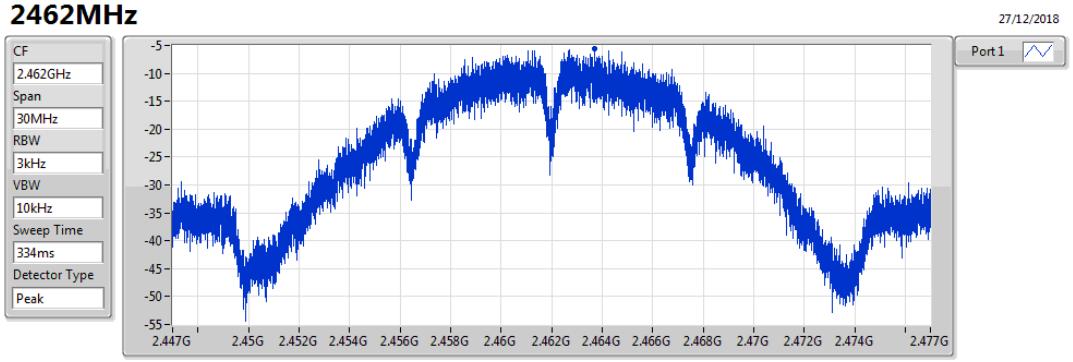
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.20	-6.20	-6.20

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

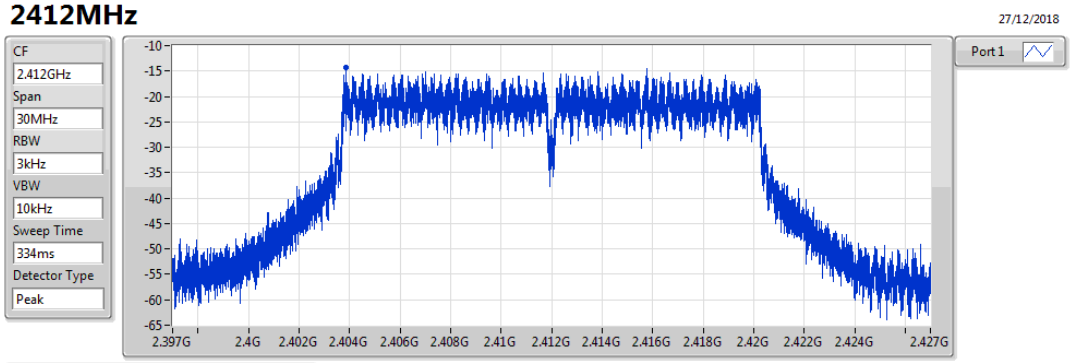
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.64	-5.64	-5.64

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

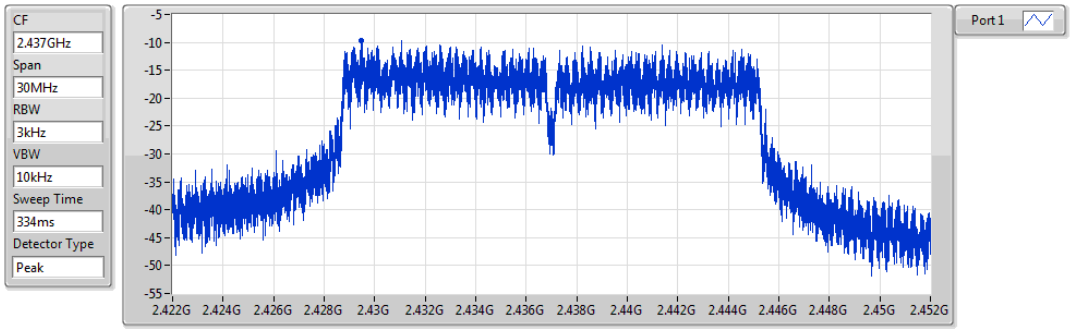
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.27	-14.27	-14.27

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

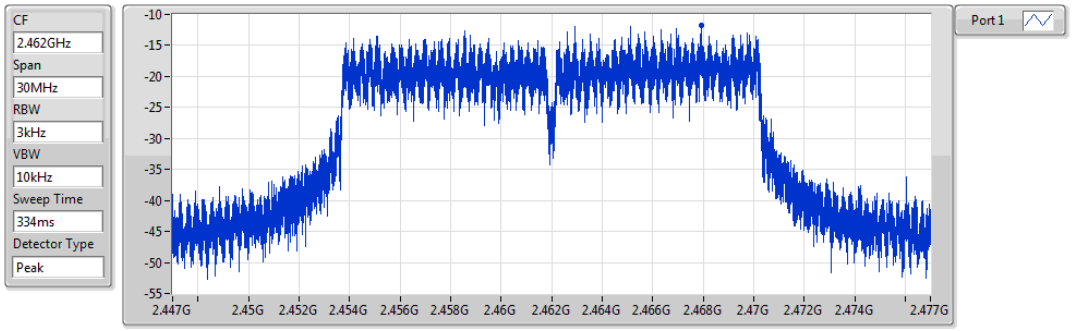
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.59	-9.59	-9.59

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

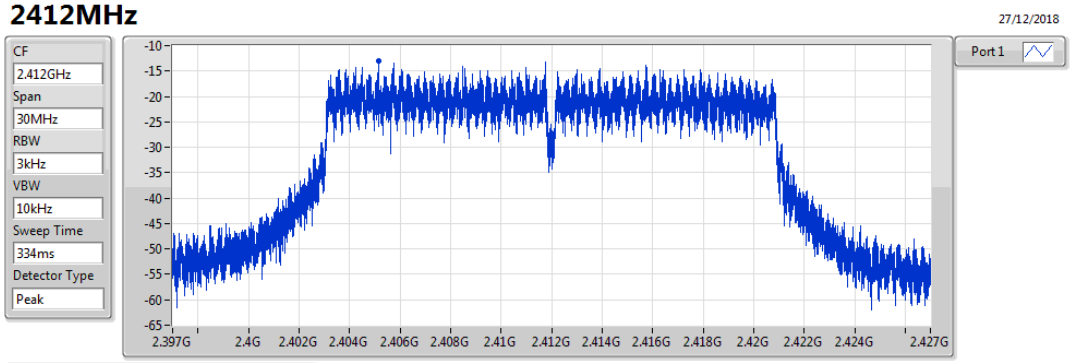
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.69	-11.69	-11.69

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

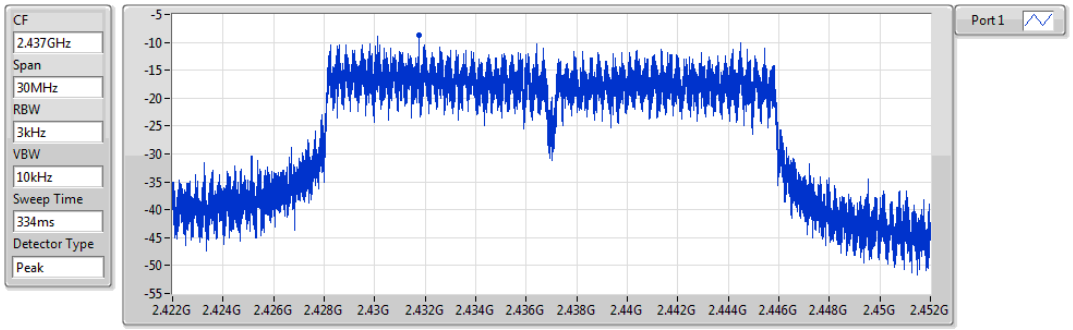
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.95	-12.95	-12.95

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

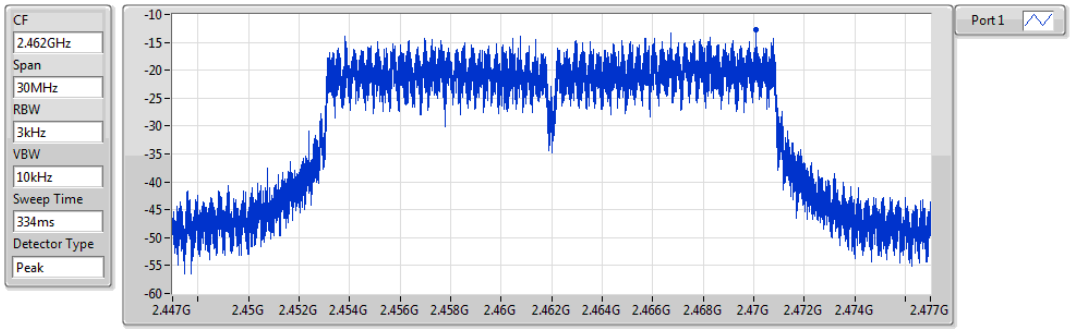
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.73	-8.73	-8.73

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

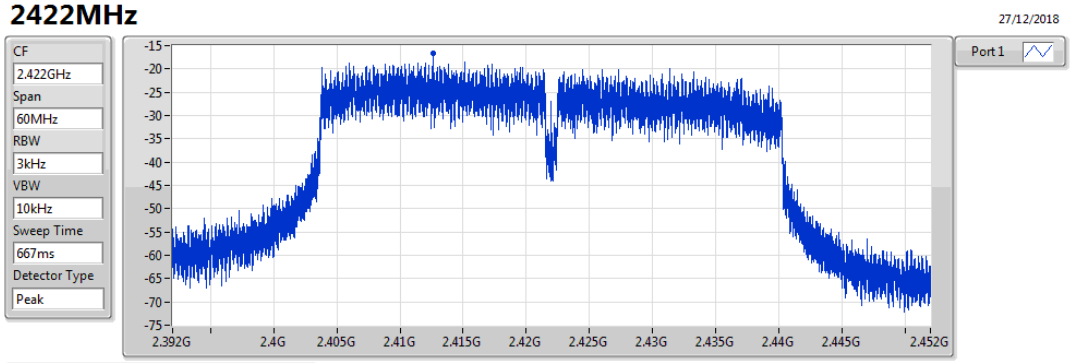
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.82	-12.82	-12.82

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

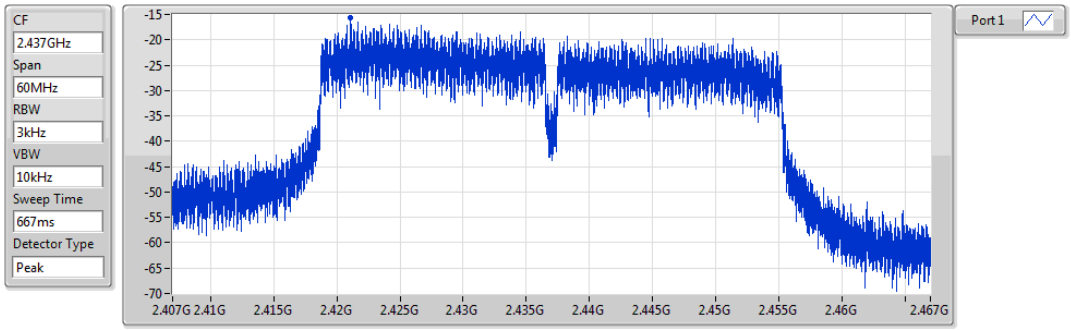
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.63	-16.63	-16.63

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

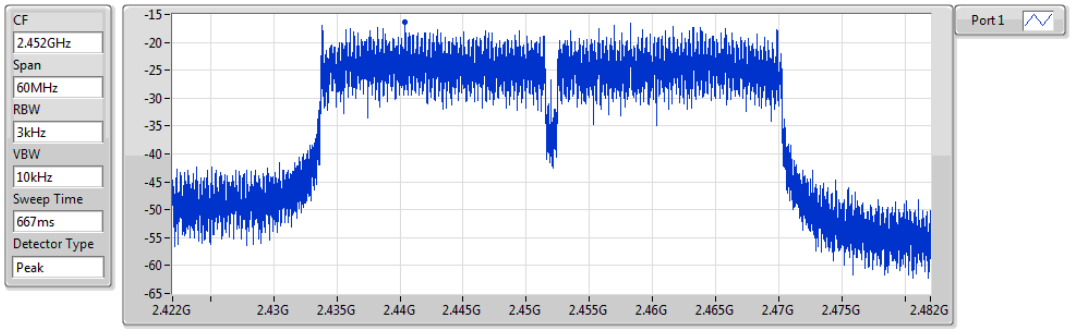
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.75	-15.75	-15.75

802.11n HT40_Nss1,(MCS0)_1TX **PSD**

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.32	-16.32	-16.32

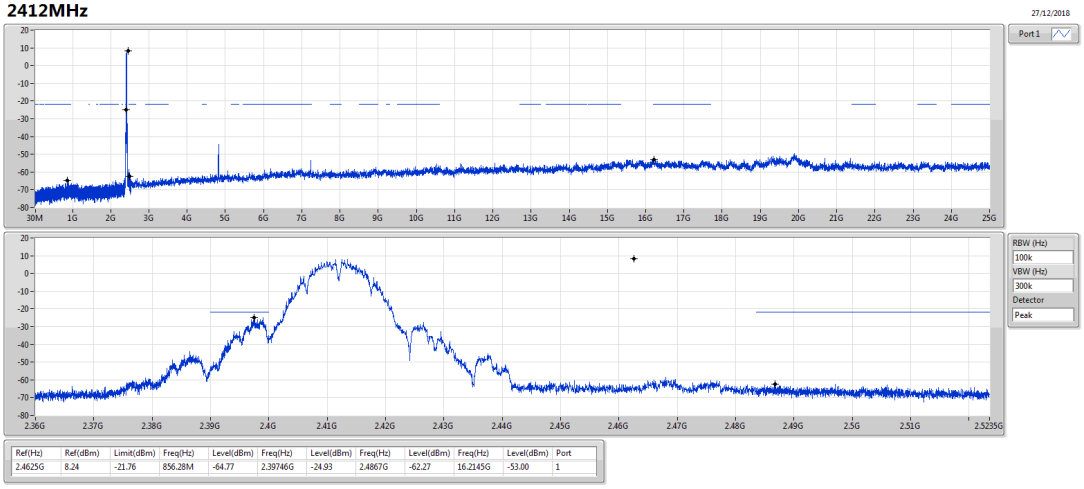
Summary

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	2.4625G	8.24	-21.76	856.28M	-64.77	2.39746G	-24.93	2.4867G	-62.27	16.2145G	-53.00	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43135G	0.09	-29.91	1.9208G	-65.88	2.39674G	-30.90	2.48366G	-62.18	16.87475G	-52.74	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.442G	0.73	-29.27	918.9M	-64.91	2.39978G	-30.54	2.48948G	-61.69	16.95903G	-52.69	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.43699G	-1.62	-31.62	2.1222G	-65.51	2.39948G	-32.80	2.48354G	-44.62	16.52181G	-52.56	1

Result

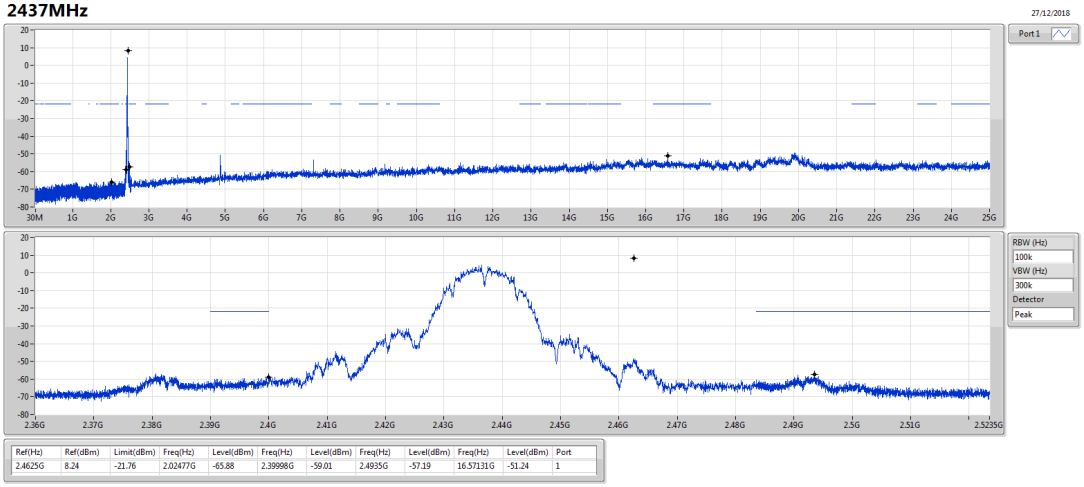
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4625G	8.24	-21.76	856.28M	-64.77	2.39746G	-24.93	2.4867G	-62.27	16.2145G	-53.00	1
2437MHz	Pass	2.4625G	8.24	-21.76	2.02477G	-65.88	2.39998G	-59.01	2.4935G	-57.19	16.57131G	-51.24	1
2462MHz	Pass	2.4625G	8.24	-21.76	2.02914G	-65.66	2.399G	-50.73	2.48748G	-35.19	17.43947G	-52.32	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43135G	0.09	-29.91	1.9208G	-65.88	2.39674G	-30.90	2.48366G	-62.18	16.87475G	-52.74	1
2437MHz	Pass	2.43135G	0.09	-29.91	1.6578G	-65.76	2.39914G	-46.99	2.4895G	-49.05	17.56309G	-51.97	1
2462MHz	Pass	2.43135G	0.09	-29.91	2.30728G	-65.00	2.39984G	-53.07	2.4836G	-32.94	16.24259G	-51.60	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	0.73	-29.27	918.9M	-64.91	2.39978G	-30.54	2.48948G	-61.69	16.95903G	-52.69	1
2437MHz	Pass	2.442G	0.73	-29.27	1.77604G	-65.76	2.39988G	-45.71	2.4882G	-47.22	17.46194G	-52.42	1
2462MHz	Pass	2.442G	0.73	-29.27	907.25M	-66.12	2.39778G	-54.33	2.48358G	-33.34	24.62352G	-52.30	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43699G	-1.62	-31.62	887.03M	-66.03	2.39944G	-35.44	2.48694G	-58.43	15.25695G	-53.03	1
2437MHz	Pass	2.43699G	-1.62	-31.62	2.1222G	-65.51	2.39948G	-32.80	2.48354G	-44.62	16.52181G	-52.56	1
2452MHz	Pass	2.43699G	-1.62	-31.62	658.03M	-64.81	2.3996G	-41.11	2.48574G	-34.22	16.54144G	-52.39	1

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



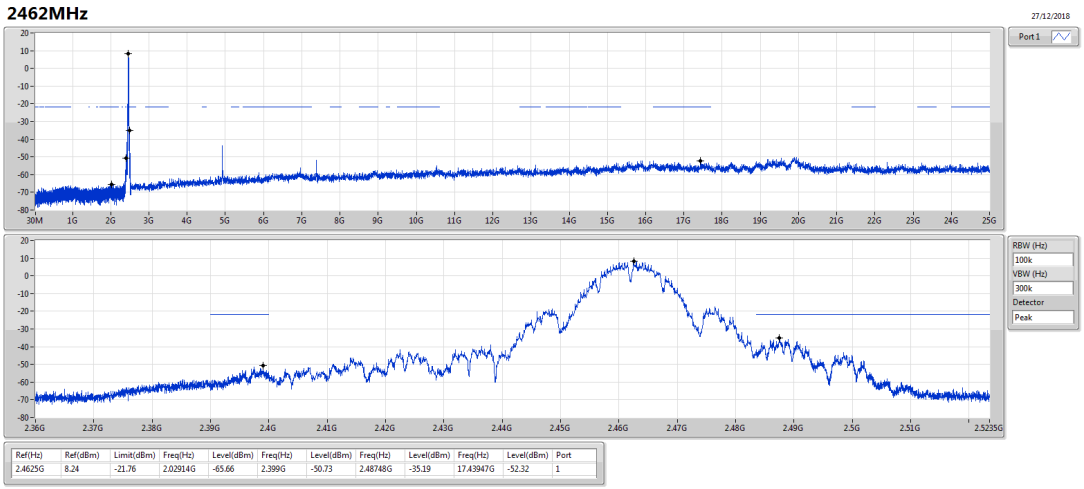
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	8.24	-21.76	856.28M	-64.77	2.39746G	-24.93	2.4867G	-62.27	16.2145G	-53.00	1

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



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	8.24	-21.76	2.02477G	-65.88	2.39998G	-59.01	2.4935G	-57.19	16.57131G	-51.24	1

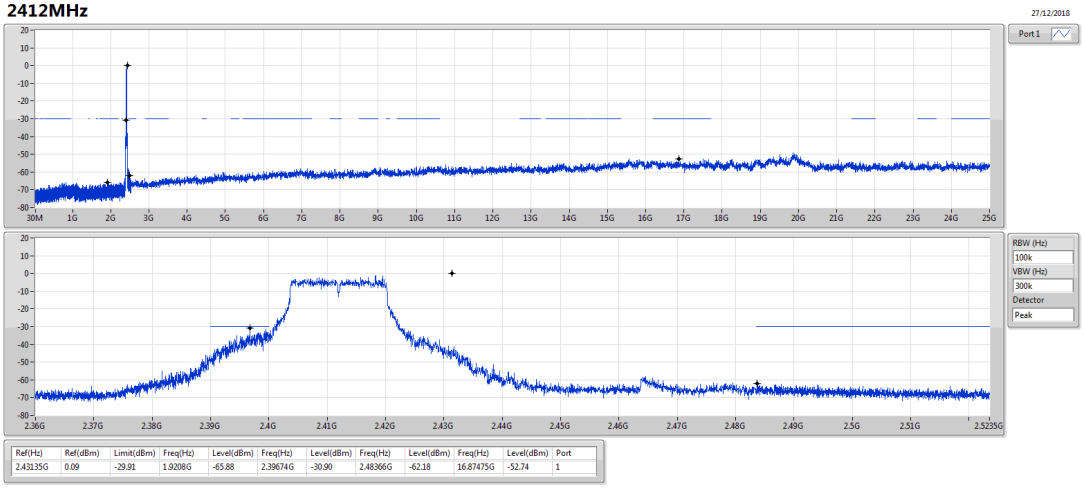
802.11b_Nss1,(1Mbps)_1TX
CSE NdB
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4625G	8.24	-21.76	2.02914G	-65.66	2.399G	-50.73	2.48748G	-35.19	17.43947G	-52.32	1

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

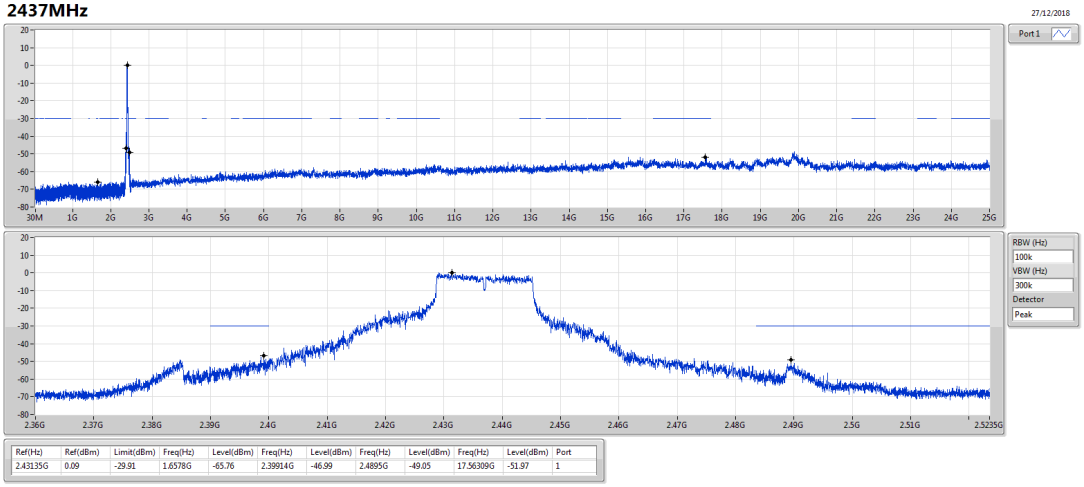
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43135G	0.09	-29.91	1.9208G	-65.88	2.39674G	-30.90	2.48366G	-62.18	16.87475G	-52.74	1

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

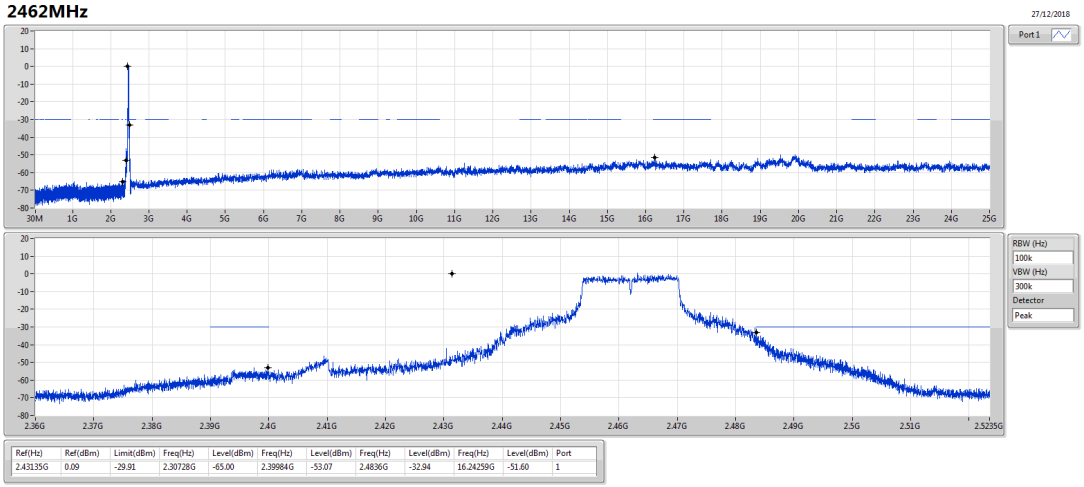
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43135G	0.09	-29.91	1.6578G	-65.76	2.39914G	-46.99	2.4895G	-49.05	17.56309G	-51.97	1

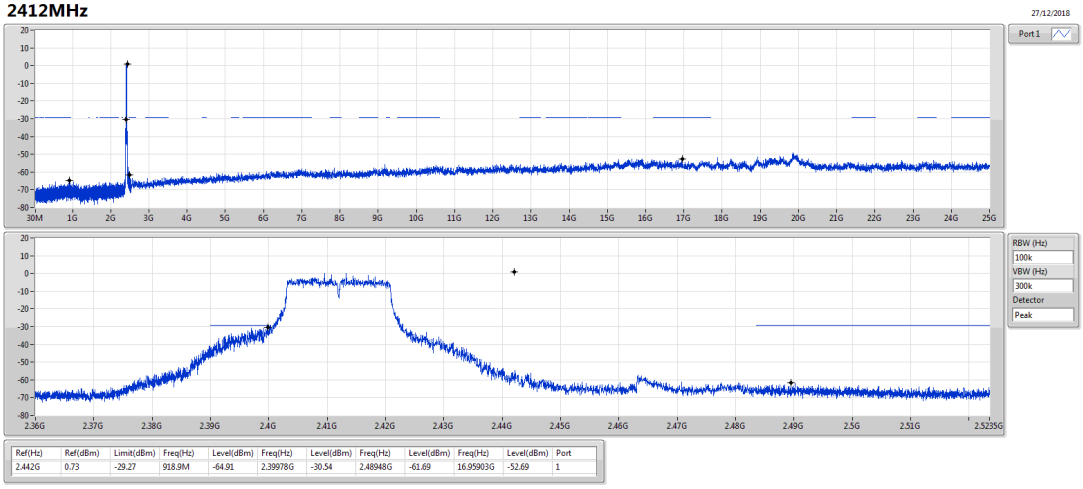
802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

2462MHz



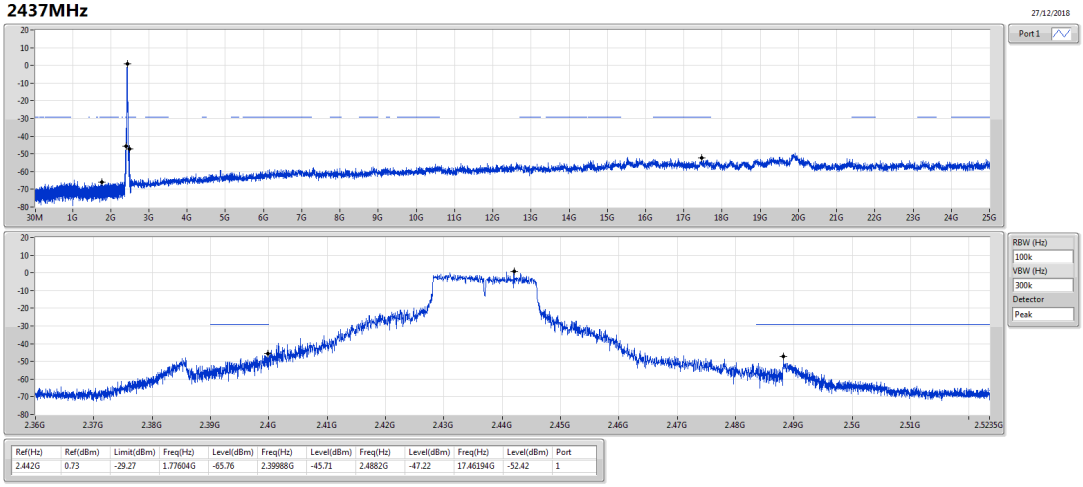
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43135G	0.09	-29.91	2.30728G	-65.00	2.39984G	-53.07	2.4836G	-32.94	16.24259G	-51.60	1

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



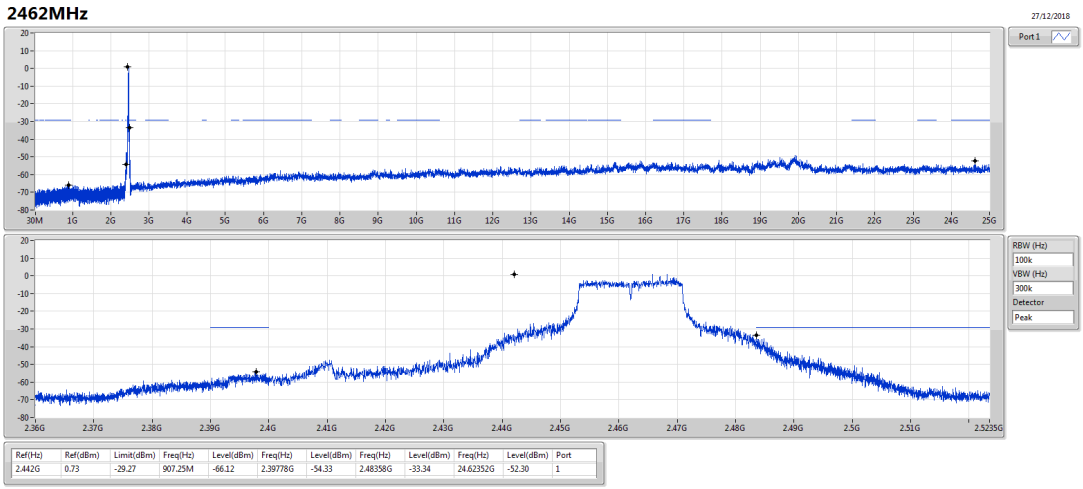
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	0.73	-29.27	918.9M	-64.91	2.39978G	-30.54	2.48948G	-61.69	16.95903G	-52.69	1

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



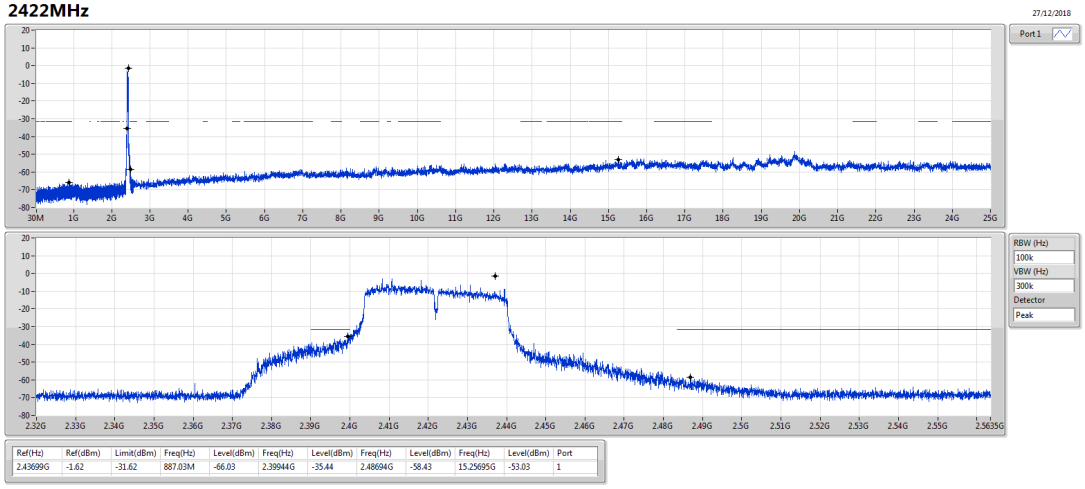
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	0.73	-29.27	1.77604G	-65.76	2.39988G	-45.71	2.4882G	-47.22	17.46194G	-52.42	1

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



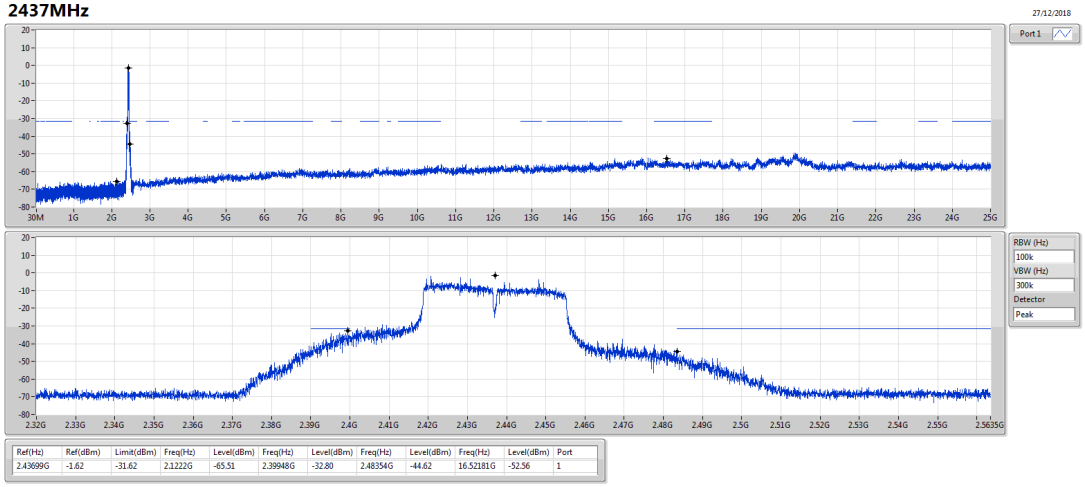
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	0.73	-29.27	907.25M	-66.12	2.39778G	-54.33	2.48358G	-33.34	24.62352G	-52.30	1

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



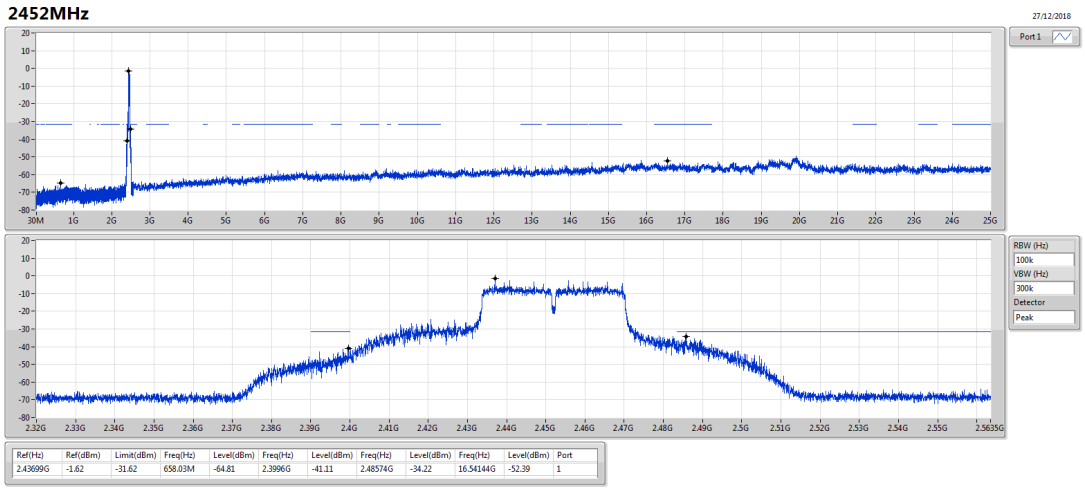
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43699G	-1.62	-31.62	887.03M	-66.03	2.39944G	-35.44	2.48694G	-58.43	15.25695G	-53.03	1

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
2.43699G	-1.62	-31.62	2.1222G	-65.51	2.39948G	-32.80	2.48354G	-44.62	16.52181G	-52.56	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
2.43699G	-1.62	-31.62	658.03M	-64.81	2.3996G	-41.11	2.48574G	-34.22	16.54144G	-52.39	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	PK	722.58M	38.36	46.00	-7.64	0.44	3	Vertical	360	1.00	-

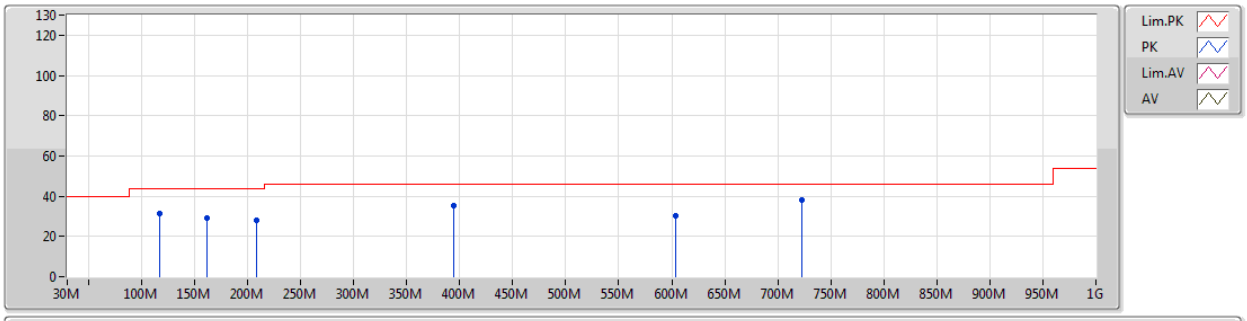
Result

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	117.3M	31.43	43.50	-12.07	-8.83	3	Vertical	360	1.00	-
2437MHz	Pass	PK	161.92M	28.88	43.50	-14.62	-10.43	3	Vertical	360	1.00	-
2437MHz	Pass	PK	208.48M	28.05	43.50	-15.45	-10.60	3	Vertical	360	1.00	-
2437MHz	Pass	PK	394.72M	35.43	46.00	-10.57	-3.79	3	Vertical	360	1.00	-
2437MHz	Pass	PK	604.24M	30.30	46.00	-15.70	-0.81	3	Vertical	360	1.00	-
2437MHz	Pass	PK	722.58M	38.36	46.00	-7.64	0.44	3	Vertical	360	1.00	-
2437MHz	Pass	PK	119.24M	30.47	43.50	-13.03	-8.76	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	210.42M	28.41	43.50	-15.09	-10.61	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	247.28M	32.09	46.00	-13.91	-7.26	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	394.72M	37.61	46.00	-8.39	-3.79	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	722.58M	37.37	46.00	-8.63	0.44	3	Horizontal	0	2.00	-
2437MHz	Pass	PK	903M	33.28	46.00	-12.72	2.64	3	Horizontal	0	2.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE

28/12/2018

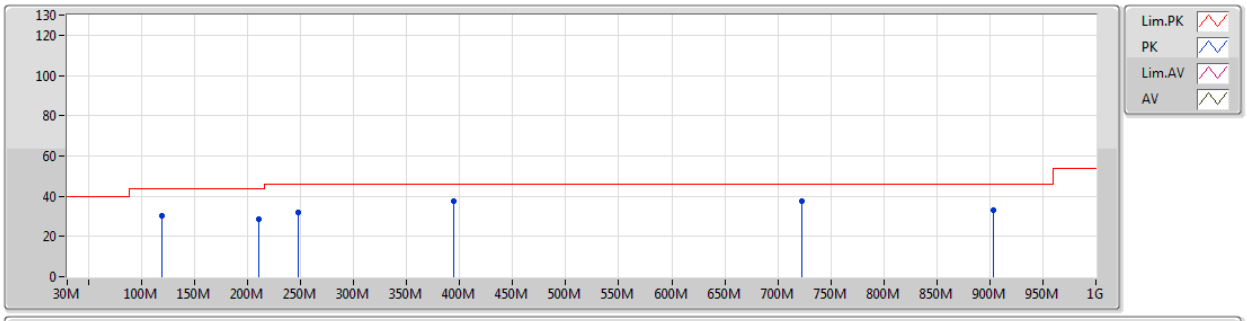


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	117.3M	31.43	43.50	-12.07	-8.83	3	Vertical	360	1.00	-
PK	161.92M	28.88	43.50	-14.62	-10.43	3	Vertical	360	1.00	-
PK	208.48M	28.05	43.50	-15.45	-10.60	3	Vertical	360	1.00	-
PK	394.72M	35.43	46.00	-10.57	-3.79	3	Vertical	360	1.00	-
PK	604.24M	30.30	46.00	-15.70	-0.81	3	Vertical	360	1.00	-
PK	722.58M	38.36	46.00	-7.64	0.44	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE

28/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	119.24M	30.47	43.50	-13.03	-8.76	3	Horizontal	0	2.00	-
PK	210.42M	28.41	43.50	-15.09	-10.61	3	Horizontal	0	2.00	-
PK	247.28M	32.09	46.00	-13.91	-7.26	3	Horizontal	0	2.00	-
PK	394.72M	37.61	46.00	-8.39	-3.79	3	Horizontal	0	2.00	-
PK	722.58M	37.37	46.00	-8.63	0.44	3	Horizontal	0	2.00	-
PK	903M	33.28	46.00	-12.72	2.64	3	Horizontal	0	2.00	-

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	2.4856G	52.48	54.00	-1.52	30.71	3	Vertical	197	1.50	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4836G	53.83	54.00	-0.17	30.69	3	Vertical	196	1.49	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.64	54.00	-0.36	30.38	3	Vertical	188	1.56	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.97	54.00	-0.03	30.38	3	Vertical	189	1.49	-

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	2.3862G	52.21	54.00	-1.79	30.37	3	Vertical	190	1.48	-
2412MHz	Pass	AV	2.4128G	105.15	Inf	-Inf	30.45	3	Vertical	190	1.48	-
2412MHz	Pass	PK	2.3866G	60.33	74.00	-13.67	30.37	3	Vertical	190	1.48	-
2412MHz	Pass	PK	2.413G	107.20	Inf	-Inf	30.45	3	Vertical	190	1.48	-
2412MHz	Pass	AV	2.385G	49.13	54.00	-4.87	30.36	3	Horizontal	137	1.50	-
2412MHz	Pass	AV	2.4128G	101.46	Inf	-Inf	30.45	3	Horizontal	137	1.50	-
2412MHz	Pass	PK	2.386G	58.95	74.00	-15.05	30.37	3	Horizontal	137	1.50	-
2412MHz	Pass	PK	2.4128G	103.51	Inf	-Inf	30.45	3	Horizontal	137	1.50	-
2417MHz	Pass	AV	2.39G	45.69	54.00	-8.31	30.38	3	Vertical	196	1.34	-
2417MHz	Pass	AV	2.4162G	98.12	Inf	-Inf	30.47	3	Vertical	196	1.34	-
2417MHz	Pass	PK	2.389G	56.98	74.00	-17.02	30.37	3	Vertical	196	1.34	-
2417MHz	Pass	PK	2.4162G	100.47	Inf	-Inf	30.47	3	Vertical	196	1.34	-
2417MHz	Pass	AV	2.39G	45.69	54.00	-8.31	30.38	3	Horizontal	103	2.11	-
2417MHz	Pass	AV	2.4162G	96.18	Inf	-Inf	30.47	3	Horizontal	103	2.11	-
2417MHz	Pass	PK	2.3748G	58.53	74.00	-15.47	30.33	3	Horizontal	103	2.11	-
2417MHz	Pass	PK	2.4162G	98.48	Inf	-Inf	30.47	3	Horizontal	103	2.11	-
2437MHz	Pass	AV	2.3834G	45.89	54.00	-8.11	30.36	3	Vertical	189	1.43	-
2437MHz	Pass	AV	2.4362G	101.31	Inf	-Inf	30.54	3	Vertical	189	1.43	-
2437MHz	Pass	AV	2.4922G	46.76	54.00	-7.24	30.72	3	Vertical	189	1.43	-
2437MHz	Pass	PK	2.3798G	58.03	74.00	-15.97	30.34	3	Vertical	189	1.43	-
2437MHz	Pass	PK	2.4362G	103.88	Inf	-Inf	30.54	3	Vertical	189	1.43	-
2437MHz	Pass	PK	2.485G	58.27	74.00	-15.73	30.69	3	Vertical	189	1.43	-
2437MHz	Pass	AV	2.3862G	45.63	54.00	-8.37	30.37	3	Horizontal	98	1.24	-
2437MHz	Pass	AV	2.4362G	98.01	Inf	-Inf	30.54	3	Horizontal	98	1.24	-
2437MHz	Pass	AV	2.4954G	46.78	54.00	-7.22	30.74	3	Horizontal	98	1.24	-
2437MHz	Pass	PK	2.3526G	58.70	74.00	-15.30	30.26	3	Horizontal	98	1.24	-
2437MHz	Pass	PK	2.4362G	101.66	Inf	-Inf	30.54	3	Horizontal	98	1.24	-
2437MHz	Pass	PK	2.4886G	58.22	74.00	-15.78	30.71	3	Horizontal	98	1.24	-
2457MHz	Pass	AV	2.4552G	95.73	Inf	-Inf	30.60	3	Vertical	197	1.50	-
2457MHz	Pass	AV	2.4856G	52.48	54.00	-1.52	30.71	3	Vertical	197	1.50	-
2457MHz	Pass	PK	2.4562G	97.99	Inf	-Inf	30.60	3	Vertical	197	1.50	-
2457MHz	Pass	PK	2.4836G	60.51	74.00	-13.49	30.69	3	Vertical	197	1.50	-
2457MHz	Pass	AV	2.4578G	93.43	Inf	-Inf	30.61	3	Horizontal	18	1.71	-
2457MHz	Pass	AV	2.4856G	51.01	54.00	-2.99	30.71	3	Horizontal	18	1.71	-
2457MHz	Pass	PK	2.458G	95.73	Inf	-Inf	30.61	3	Horizontal	18	1.71	-
2457MHz	Pass	PK	2.4866G	60.18	74.00	-13.82	30.71	3	Horizontal	18	1.71	-
2462MHz	Pass	AV	2.4612G	97.03	Inf	-Inf	30.62	3	Vertical	202	1.68	-
2462MHz	Pass	AV	2.4874G	52.32	54.00	-1.68	30.71	3	Vertical	202	1.68	-
2462MHz	Pass	PK	2.4612G	99.28	Inf	-Inf	30.62	3	Vertical	202	1.68	-
2462MHz	Pass	PK	2.4888G	61.13	74.00	-12.87	30.71	3	Vertical	202	1.68	-
2462MHz	Pass	AV	2.4628G	93.83	Inf	-Inf	30.62	3	Horizontal	86	1.50	-
2462MHz	Pass	AV	2.4874G	50.65	54.00	-3.35	30.71	3	Horizontal	86	1.50	-
2462MHz	Pass	PK	2.4612G	95.95	Inf	-Inf	30.62	3	Horizontal	86	1.50	-
2462MHz	Pass	PK	2.4892G	60.07	74.00	-13.93	30.71	3	Horizontal	86	1.50	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.64	54.00	-0.36	30.38	3	Vertical	188	1.57	-
2412MHz	Pass	AV	2.4054G	94.18	Inf	-Inf	30.43	3	Vertical	188	1.57	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.39G	69.01	74.00	-4.99	30.38	3	Vertical	188	1.57	-
2412MHz	Pass	PK	2.4088G	102.55	Inf	-Inf	30.44	3	Vertical	188	1.57	-
2412MHz	Pass	AV	2.39G	51.25	54.00	-2.75	30.38	3	Horizontal	213	1.41	-
2412MHz	Pass	AV	2.4048G	91.74	Inf	-Inf	30.42	3	Horizontal	213	1.41	-
2412MHz	Pass	PK	2.3894G	65.80	74.00	-8.20	30.37	3	Horizontal	213	1.41	-
2412MHz	Pass	PK	2.4158G	100.15	Inf	-Inf	30.47	3	Horizontal	213	1.41	-
2417MHz	Pass	AV	2.3898G	50.29	54.00	-3.71	30.38	3	Vertical	190	1.44	-
2417MHz	Pass	AV	2.4096G	94.49	Inf	-Inf	30.44	3	Vertical	190	1.44	-
2417MHz	Pass	PK	2.3886G	65.63	74.00	-8.37	30.37	3	Vertical	190	1.44	-
2417MHz	Pass	PK	2.4122G	102.52	Inf	-Inf	30.45	3	Vertical	190	1.44	-
2417MHz	Pass	AV	2.3898G	49.00	54.00	-5.00	30.38	3	Horizontal	167	1.42	-
2417MHz	Pass	AV	2.4096G	91.70	Inf	-Inf	30.44	3	Horizontal	167	1.42	-
2417MHz	Pass	PK	2.387G	61.78	74.00	-12.22	30.37	3	Horizontal	167	1.42	-
2417MHz	Pass	PK	2.4104G	99.98	Inf	-Inf	30.44	3	Horizontal	167	1.42	-
2437MHz	Pass	AV	2.3846G	47.88	54.00	-6.12	30.36	3	Vertical	185	1.82	-
2437MHz	Pass	AV	2.4294G	93.40	Inf	-Inf	30.51	3	Vertical	185	1.82	-
2437MHz	Pass	AV	2.4982G	47.35	54.00	-6.65	30.75	3	Vertical	185	1.82	-
2437MHz	Pass	PK	2.3542G	57.17	74.00	-16.83	30.26	3	Vertical	185	1.82	-
2437MHz	Pass	PK	2.4302G	101.28	Inf	-Inf	30.51	3	Vertical	185	1.82	-
2437MHz	Pass	PK	2.4938G	58.09	74.00	-15.91	30.73	3	Vertical	185	1.82	-
2437MHz	Pass	AV	2.3842G	46.94	54.00	-7.06	30.36	3	Horizontal	210	1.35	-
2437MHz	Pass	AV	2.4302G	90.33	Inf	-Inf	30.51	3	Horizontal	210	1.35	-
2437MHz	Pass	AV	2.489G	47.31	54.00	-6.69	30.71	3	Horizontal	210	1.35	-
2437MHz	Pass	PK	2.349G	57.12	74.00	-16.88	30.24	3	Horizontal	210	1.35	-
2437MHz	Pass	PK	2.4298G	97.84	Inf	-Inf	30.51	3	Horizontal	210	1.35	-
2437MHz	Pass	PK	2.4918G	57.78	74.00	-16.22	30.72	3	Horizontal	210	1.35	-
2452MHz	Pass	AV	2.4472G	91.23	Inf	-Inf	30.57	3	Vertical	196	1.52	-
2452MHz	Pass	AV	2.4836G	49.00	54.00	-5.00	30.69	3	Vertical	196	1.52	-
2452MHz	Pass	PK	2.4488G	99.99	Inf	-Inf	30.58	3	Vertical	196	1.52	-
2452MHz	Pass	PK	2.484G	65.97	74.00	-8.03	30.69	3	Vertical	196	1.52	-
2452MHz	Pass	AV	2.459G	88.40	Inf	-Inf	30.61	3	Horizontal	18	1.72	-
2452MHz	Pass	AV	2.4846G	48.54	54.00	-5.46	30.69	3	Horizontal	18	1.72	-
2452MHz	Pass	PK	2.4568G	96.83	Inf	-Inf	30.61	3	Horizontal	18	1.72	-
2452MHz	Pass	PK	2.4836G	61.31	74.00	-12.69	30.69	3	Horizontal	18	1.72	-
2457MHz	Pass	AV	2.4508G	91.84	Inf	-Inf	30.58	3	Vertical	196	1.49	-
2457MHz	Pass	AV	2.4836G	53.83	54.00	-0.17	30.69	3	Vertical	196	1.49	-
2457MHz	Pass	PK	2.4594G	100.36	Inf	-Inf	30.61	3	Vertical	196	1.49	-
2457MHz	Pass	PK	2.484G	70.75	74.00	-3.25	30.69	3	Vertical	196	1.49	-
2457MHz	Pass	AV	2.4526G	88.50	Inf	-Inf	30.59	3	Horizontal	17	1.98	-
2457MHz	Pass	AV	2.4835G	52.60	54.00	-1.40	30.69	3	Horizontal	17	1.98	-
2457MHz	Pass	PK	2.4524G	98.17	Inf	-Inf	30.59	3	Horizontal	17	1.98	-
2457MHz	Pass	PK	2.4835G	67.76	74.00	-6.24	30.69	3	Horizontal	17	1.98	-
2462MHz	Pass	AV	2.458G	89.90	Inf	-Inf	30.61	3	Vertical	204	1.69	-
2462MHz	Pass	AV	2.4835G	53.70	54.00	-0.30	30.69	3	Vertical	204	1.69	-
2462MHz	Pass	PK	2.458G	98.65	Inf	-Inf	30.61	3	Vertical	204	1.69	-
2462MHz	Pass	PK	2.4835G	69.34	74.00	-4.66	30.69	3	Vertical	204	1.69	-
2462MHz	Pass	AV	2.4596G	87.41	Inf	-Inf	30.61	3	Horizontal	86	1.61	-
2462MHz	Pass	AV	2.4835G	52.30	54.00	-1.70	30.69	3	Horizontal	86	1.61	-
2462MHz	Pass	PK	2.4584G	96.14	Inf	-Inf	30.61	3	Horizontal	86	1.61	-

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	2.4835G	67.56	74.00	-6.44	30.69	3	Horizontal	86	1.61	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.64	54.00	-0.36	30.38	3	Vertical	188	1.56	-
2412MHz	Pass	AV	2.4046G	92.98	Inf	-Inf	30.42	3	Vertical	188	1.56	-
2412MHz	Pass	PK	2.39G	68.64	74.00	-5.36	30.38	3	Vertical	188	1.56	-
2412MHz	Pass	PK	2.4062G	101.98	Inf	-Inf	30.43	3	Vertical	188	1.56	-
2412MHz	Pass	AV	2.39G	50.94	54.00	-3.06	30.38	3	Horizontal	212	1.40	-
2412MHz	Pass	AV	2.4042G	90.64	Inf	-Inf	30.42	3	Horizontal	212	1.40	-
2412MHz	Pass	PK	2.39G	65.76	74.00	-8.24	30.38	3	Horizontal	212	1.40	-
2412MHz	Pass	PK	2.406G	100.29	Inf	-Inf	30.43	3	Horizontal	212	1.40	-
2417MHz	Pass	AV	2.39G	51.98	54.00	-2.02	30.38	3	Vertical	190	1.47	-
2417MHz	Pass	AV	2.4094G	94.11	Inf	-Inf	30.44	3	Vertical	190	1.47	-
2417MHz	Pass	PK	2.3898G	68.70	74.00	-5.30	30.38	3	Vertical	190	1.47	-
2417MHz	Pass	PK	2.4108G	102.69	Inf	-Inf	30.45	3	Vertical	190	1.47	-
2417MHz	Pass	AV	2.3896G	50.11	54.00	-3.89	30.38	3	Horizontal	167	1.43	-
2417MHz	Pass	AV	2.409G	91.71	Inf	-Inf	30.44	3	Horizontal	167	1.43	-
2417MHz	Pass	PK	2.3886G	63.33	74.00	-10.67	30.37	3	Horizontal	167	1.43	-
2417MHz	Pass	PK	2.4138G	99.43	Inf	-Inf	30.45	3	Horizontal	167	1.43	-
2437MHz	Pass	AV	2.3854G	48.94	54.00	-5.06	30.36	3	Vertical	186	1.83	-
2437MHz	Pass	AV	2.429G	93.17	Inf	-Inf	30.51	3	Vertical	186	1.83	-
2437MHz	Pass	AV	2.4898G	47.32	54.00	-6.68	30.72	3	Vertical	186	1.83	-
2437MHz	Pass	PK	2.3858G	58.89	74.00	-15.11	30.37	3	Vertical	186	1.83	-
2437MHz	Pass	PK	2.4302G	100.59	Inf	-Inf	30.51	3	Vertical	186	1.83	-
2437MHz	Pass	PK	2.487G	57.99	74.00	-16.01	30.71	3	Vertical	186	1.83	-
2437MHz	Pass	AV	2.3854G	47.43	54.00	-6.57	30.36	3	Horizontal	210	1.36	-
2437MHz	Pass	AV	2.429G	90.32	Inf	-Inf	30.51	3	Horizontal	210	1.36	-
2437MHz	Pass	AV	2.4978G	47.34	54.00	-6.66	30.74	3	Horizontal	210	1.36	-
2437MHz	Pass	PK	2.3834G	57.15	74.00	-16.85	30.36	3	Horizontal	210	1.36	-
2437MHz	Pass	PK	2.4306G	98.38	Inf	-Inf	30.51	3	Horizontal	210	1.36	-
2437MHz	Pass	PK	2.4906G	57.22	74.00	-16.78	30.72	3	Horizontal	210	1.36	-
2452MHz	Pass	AV	2.447G	90.84	Inf	-Inf	30.57	3	Vertical	196	1.49	-
2452MHz	Pass	AV	2.4836G	49.64	54.00	-4.36	30.69	3	Vertical	196	1.49	-
2452MHz	Pass	PK	2.45G	100.06	Inf	-Inf	30.58	3	Vertical	196	1.49	-
2452MHz	Pass	PK	2.4842G	63.60	74.00	-10.40	30.69	3	Vertical	196	1.49	-
2452MHz	Pass	AV	2.459G	88.17	Inf	-Inf	30.61	3	Horizontal	19	1.70	-
2452MHz	Pass	AV	2.4835G	49.00	54.00	-5.00	30.69	3	Horizontal	19	1.70	-
2452MHz	Pass	PK	2.4552G	97.12	Inf	-Inf	30.60	3	Horizontal	19	1.70	-
2452MHz	Pass	PK	2.4836G	65.32	74.00	-8.68	30.69	3	Horizontal	19	1.70	-
2457MHz	Pass	AV	2.45G	91.11	Inf	-Inf	30.58	3	Vertical	197	1.50	-
2457MHz	Pass	AV	2.4846G	52.89	54.00	-1.11	30.69	3	Vertical	197	1.50	-
2457MHz	Pass	PK	2.4494G	99.86	Inf	-Inf	30.58	3	Vertical	197	1.50	-
2457MHz	Pass	PK	2.4854G	69.56	74.00	-4.44	30.70	3	Vertical	197	1.50	-
2457MHz	Pass	AV	2.4504G	88.26	Inf	-Inf	30.58	3	Horizontal	19	1.99	-
2457MHz	Pass	AV	2.4835G	52.74	54.00	-1.26	30.69	3	Horizontal	19	1.99	-
2457MHz	Pass	PK	2.4526G	96.84	Inf	-Inf	30.59	3	Horizontal	19	1.99	-
2457MHz	Pass	PK	2.4838G	68.75	74.00	-5.25	30.69	3	Horizontal	19	1.99	-
2462MHz	Pass	AV	2.4578G	88.10	Inf	-Inf	30.61	3	Vertical	206	1.68	-
2462MHz	Pass	AV	2.4835G	51.99	54.00	-2.01	30.69	3	Vertical	206	1.68	-
2462MHz	Pass	PK	2.4592G	97.57	Inf	-Inf	30.61	3	Vertical	206	1.68	-

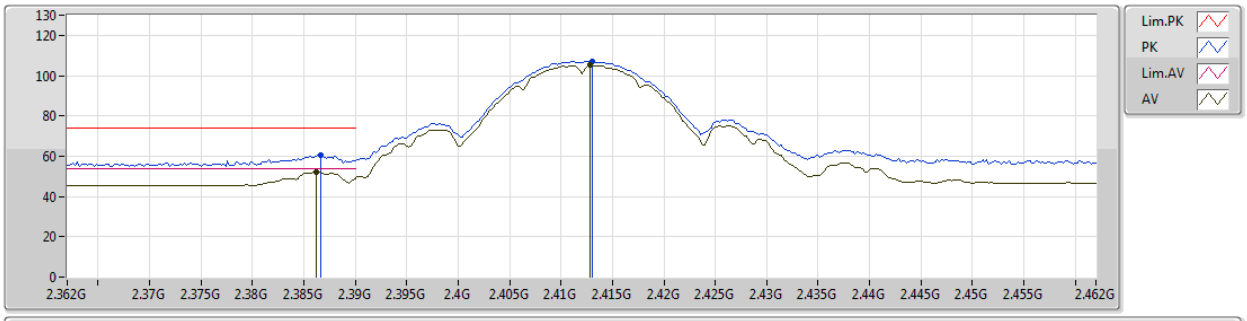
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.484G	69.41	74.00	-4.59	30.69	3	Vertical	206	1.68	-
2462MHz	Pass	AV	2.458G	86.04	Inf	-Inf	30.61	3	Horizontal	87	1.62	-
2462MHz	Pass	AV	2.4838G	51.33	54.00	-2.67	30.69	3	Horizontal	87	1.62	-
2462MHz	Pass	PK	2.4574G	95.21	Inf	-Inf	30.61	3	Horizontal	87	1.62	-
2462MHz	Pass	PK	2.484G	67.05	74.00	-6.95	30.69	3	Horizontal	87	1.62	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.97	54.00	-0.03	30.38	3	Vertical	189	1.49	-
2422MHz	Pass	AV	2.4112G	88.78	Inf	-Inf	30.45	3	Vertical	189	1.49	-
2422MHz	Pass	AV	2.4968G	48.11	54.00	-5.89	30.74	3	Vertical	189	1.49	-
2422MHz	Pass	PK	2.39G	65.08	74.00	-8.92	30.38	3	Vertical	189	1.49	-
2422MHz	Pass	PK	2.4112G	96.16	Inf	-Inf	30.45	3	Vertical	189	1.49	-
2422MHz	Pass	PK	2.4888G	57.69	74.00	-16.31	30.71	3	Vertical	189	1.49	-
2422MHz	Pass	AV	2.3888G	50.76	54.00	-3.24	30.37	3	Horizontal	209	1.59	-
2422MHz	Pass	AV	2.4124G	86.33	Inf	-Inf	30.45	3	Horizontal	209	1.59	-
2422MHz	Pass	AV	2.4888G	48.08	54.00	-5.92	30.71	3	Horizontal	209	1.59	-
2422MHz	Pass	PK	2.3872G	63.70	74.00	-10.30	30.37	3	Horizontal	209	1.59	-
2422MHz	Pass	PK	2.4108G	94.22	Inf	-Inf	30.45	3	Horizontal	209	1.59	-
2422MHz	Pass	PK	2.5G	58.19	74.00	-15.81	30.75	3	Horizontal	209	1.59	-
2427MHz	Pass	AV	2.3898G	53.75	54.00	-0.25	30.38	3	Vertical	184	1.34	-
2427MHz	Pass	AV	2.4138G	86.53	Inf	-Inf	30.45	3	Vertical	184	1.34	-
2427MHz	Pass	AV	2.4986G	47.87	54.00	-6.13	30.75	3	Vertical	184	1.34	-
2427MHz	Pass	PK	2.389G	65.55	74.00	-8.45	30.37	3	Vertical	184	1.34	-
2427MHz	Pass	PK	2.4154G	94.69	Inf	-Inf	30.47	3	Vertical	184	1.34	-
2427MHz	Pass	PK	2.4918G	57.85	74.00	-16.15	30.72	3	Vertical	184	1.34	-
2427MHz	Pass	AV	2.389G	52.10	54.00	-1.90	30.37	3	Horizontal	103	2.12	-
2427MHz	Pass	AV	2.4138G	86.78	Inf	-Inf	30.45	3	Horizontal	103	2.12	-
2427MHz	Pass	AV	2.4934G	48.09	54.00	-5.91	30.72	3	Horizontal	103	2.12	-
2427MHz	Pass	PK	2.3882G	63.68	74.00	-10.32	30.37	3	Horizontal	103	2.12	-
2427MHz	Pass	PK	2.4154G	94.29	Inf	-Inf	30.47	3	Horizontal	103	2.12	-
2427MHz	Pass	PK	2.4954G	58.18	74.00	-15.82	30.74	3	Horizontal	103	2.12	-
2432MHz	Pass	AV	2.39G	53.40	54.00	-0.60	30.38	3	Vertical	196	1.55	-
2432MHz	Pass	AV	2.4172G	88.35	Inf	-Inf	30.47	3	Vertical	196	1.55	-
2432MHz	Pass	AV	2.4924G	48.09	54.00	-5.91	30.72	3	Vertical	196	1.55	-
2432MHz	Pass	PK	2.3892G	67.13	74.00	-6.87	30.37	3	Vertical	196	1.55	-
2432MHz	Pass	PK	2.42G	95.91	Inf	-Inf	30.48	3	Vertical	196	1.55	-
2432MHz	Pass	PK	2.4876G	57.53	74.00	-16.47	30.71	3	Vertical	196	1.55	-
2432MHz	Pass	AV	2.39G	52.78	54.00	-1.22	30.38	3	Horizontal	167	1.13	-
2432MHz	Pass	AV	2.4192G	85.24	Inf	-Inf	30.48	3	Horizontal	167	1.13	-
2432MHz	Pass	AV	2.4876G	48.32	54.00	-5.68	30.71	3	Horizontal	167	1.13	-
2432MHz	Pass	PK	2.3888G	64.03	74.00	-9.97	30.37	3	Horizontal	167	1.13	-
2432MHz	Pass	PK	2.4188G	93.30	Inf	-Inf	30.48	3	Horizontal	167	1.13	-
2432MHz	Pass	PK	2.492G	57.93	74.00	-16.07	30.72	3	Horizontal	167	1.13	-
2437MHz	Pass	AV	2.3898G	53.75	54.00	-0.25	30.38	3	Vertical	187	1.81	-
2437MHz	Pass	AV	2.4214G	89.99	Inf	-Inf	30.48	3	Vertical	187	1.81	-
2437MHz	Pass	AV	2.4842G	49.00	54.00	-5.00	30.69	3	Vertical	187	1.81	-
2437MHz	Pass	PK	2.3866G	65.33	74.00	-8.67	30.37	3	Vertical	187	1.81	-
2437MHz	Pass	PK	2.4214G	97.67	Inf	-Inf	30.48	3	Vertical	187	1.81	-
2437MHz	Pass	PK	2.4842G	58.49	74.00	-15.51	30.69	3	Vertical	187	1.81	-
2437MHz	Pass	AV	2.3898G	50.62	54.00	-3.38	30.38	3	Horizontal	211	1.61	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.423G	86.62	Inf	-Inf	30.49	3	Horizontal	211	1.61	-
2437MHz	Pass	AV	2.4874G	48.32	54.00	-5.68	30.71	3	Horizontal	211	1.61	-
2437MHz	Pass	PK	2.389G	62.78	74.00	-11.22	30.37	3	Horizontal	211	1.61	-
2437MHz	Pass	PK	2.4222G	95.39	Inf	-Inf	30.48	3	Horizontal	211	1.61	-
2437MHz	Pass	PK	2.4902G	58.16	74.00	-15.84	30.72	3	Horizontal	211	1.61	-
2447MHz	Pass	AV	2.3898G	49.76	54.00	-4.24	30.38	3	Vertical	194	1.50	-
2447MHz	Pass	AV	2.4338G	87.13	Inf	-Inf	30.52	3	Vertical	194	1.50	-
2447MHz	Pass	AV	2.4838G	53.02	54.00	-0.98	30.69	3	Vertical	194	1.50	-
2447MHz	Pass	PK	2.389G	60.90	74.00	-13.10	30.37	3	Vertical	194	1.50	-
2447MHz	Pass	PK	2.4326G	94.47	Inf	-Inf	30.52	3	Vertical	194	1.50	-
2447MHz	Pass	PK	2.4838G	63.92	74.00	-10.08	30.69	3	Vertical	194	1.50	-
2447MHz	Pass	AV	2.3898G	47.49	54.00	-6.51	30.38	3	Horizontal	86	1.47	-
2447MHz	Pass	AV	2.4338G	83.41	Inf	-Inf	30.52	3	Horizontal	86	1.47	-
2447MHz	Pass	AV	2.4838G	51.15	54.00	-2.85	30.69	3	Horizontal	86	1.47	-
2447MHz	Pass	PK	2.3858G	57.24	74.00	-16.76	30.37	3	Horizontal	86	1.47	-
2447MHz	Pass	PK	2.4314G	91.26	Inf	-Inf	30.52	3	Horizontal	86	1.47	-
2447MHz	Pass	PK	2.4934G	61.30	74.00	-12.70	30.72	3	Horizontal	86	1.47	-
2452MHz	Pass	AV	2.39G	48.60	54.00	-5.40	30.38	3	Vertical	188	1.72	-
2452MHz	Pass	AV	2.4372G	86.32	Inf	-Inf	30.54	3	Vertical	188	1.72	-
2452MHz	Pass	AV	2.4835G	53.30	54.00	-0.70	30.69	3	Vertical	188	1.72	-
2452MHz	Pass	PK	2.3876G	58.73	74.00	-15.27	30.37	3	Vertical	188	1.72	-
2452MHz	Pass	PK	2.4412G	94.70	Inf	-Inf	30.55	3	Vertical	188	1.72	-
2452MHz	Pass	PK	2.484G	64.79	74.00	-9.21	30.69	3	Vertical	188	1.72	-
2452MHz	Pass	AV	2.3852G	47.42	54.00	-6.58	30.36	3	Horizontal	86	1.25	-
2452MHz	Pass	AV	2.438G	84.01	Inf	-Inf	30.54	3	Horizontal	86	1.25	-
2452MHz	Pass	AV	2.484G	52.74	54.00	-1.26	30.69	3	Horizontal	86	1.25	-
2452MHz	Pass	PK	2.3636G	56.93	74.00	-17.07	30.29	3	Horizontal	86	1.25	-
2452MHz	Pass	PK	2.4372G	91.52	Inf	-Inf	30.54	3	Horizontal	86	1.25	-
2452MHz	Pass	PK	2.4844G	62.74	74.00	-11.26	30.69	3	Horizontal	86	1.25	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

27/12/2018

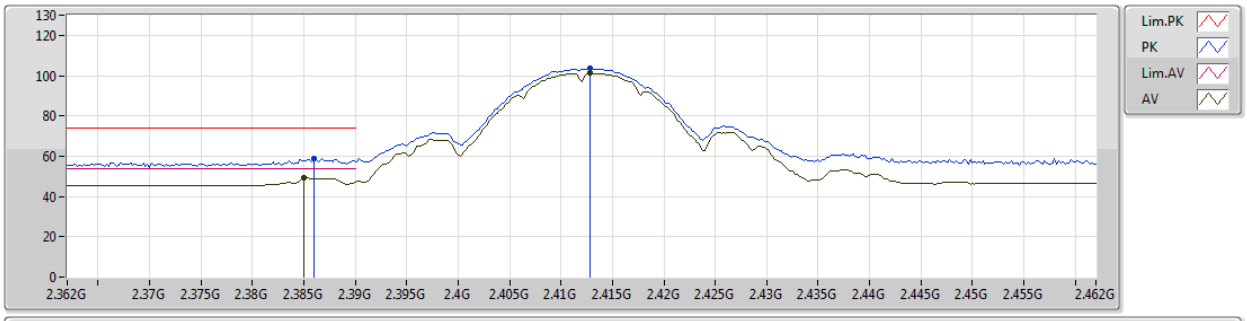


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	52.21	54.00	-1.79	30.37	3	Vertical	190	1.48	-
AV	2.4128G	105.15	Inf	-Inf	30.45	3	Vertical	190	1.48	-
PK	2.3866G	60.33	74.00	-13.67	30.37	3	Vertical	190	1.48	-
PK	2.413G	107.20	Inf	-Inf	30.45	3	Vertical	190	1.48	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

27/12/2018

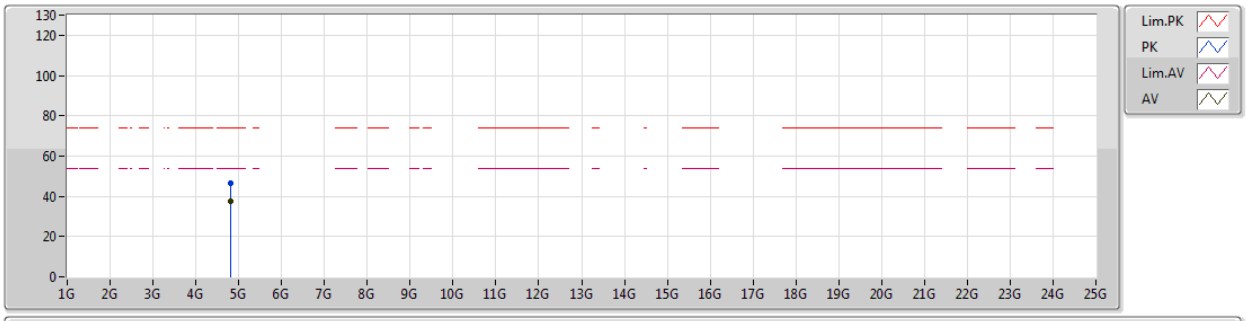


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.385G	49.13	54.00	-4.87	30.36	3	Horizontal	137	1.50	-
AV	2.4128G	101.46	Inf	-Inf	30.45	3	Horizontal	137	1.50	-
PK	2.386G	58.95	74.00	-15.05	30.37	3	Horizontal	137	1.50	-
PK	2.4128G	103.51	Inf	-Inf	30.45	3	Horizontal	137	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

25/12/2018

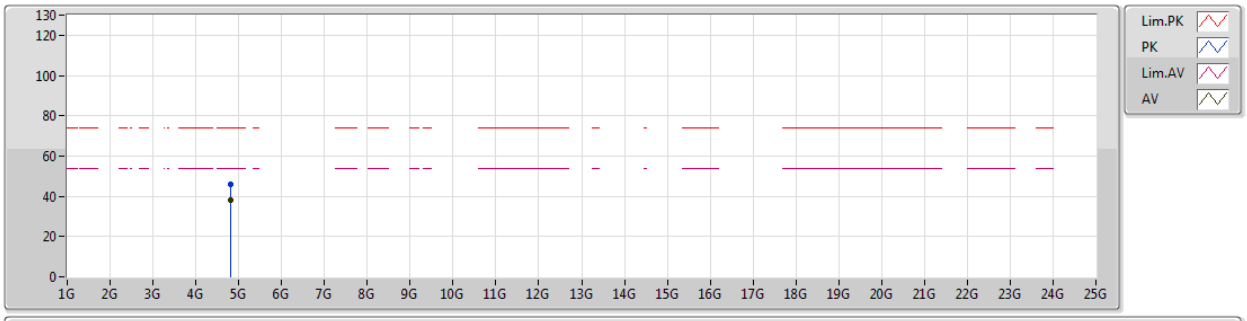


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	37.68	54.00	-16.32	5.89	3	Vertical	357	1.14	-
PK	4.824G	46.38	74.00	-27.62	5.89	3	Vertical	357	1.14	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

25/12/2018

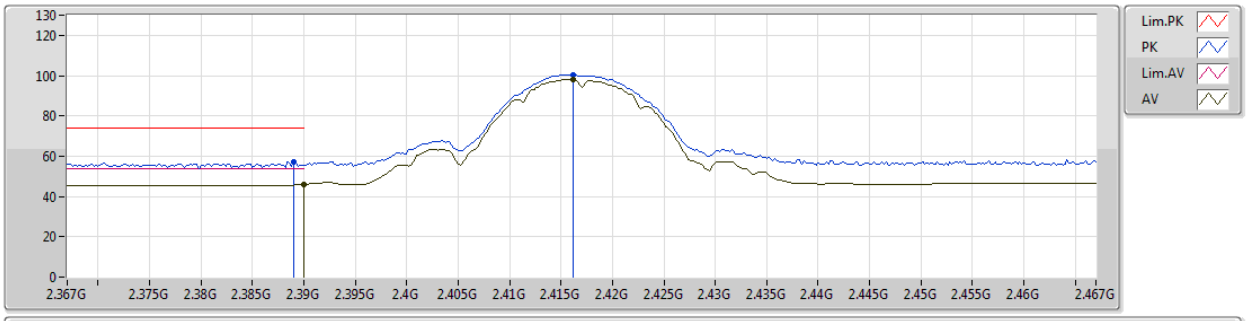


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	37.87	54.00	-16.13	5.89	3	Horizontal	266	1.60	-
PK	4.8242G	45.79	74.00	-28.21	5.89	3	Horizontal	266	1.60	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

27/12/2018

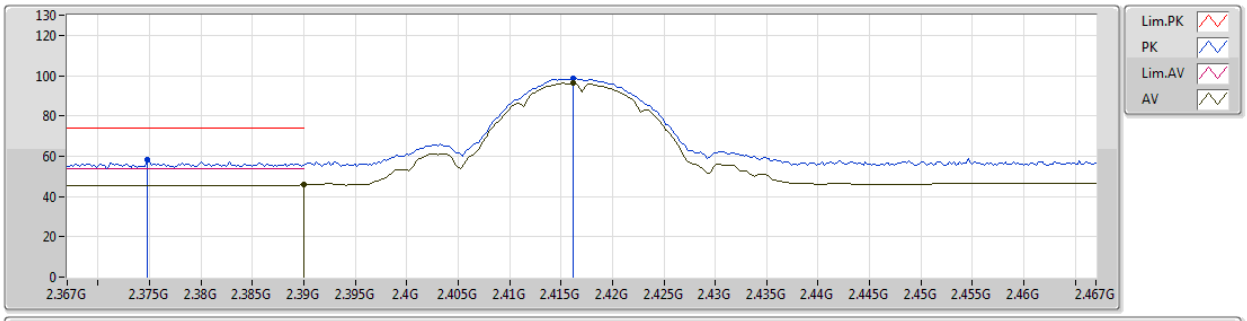


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	45.69	54.00	-8.31	30.38	3	Vertical	196	1.34	-
AV	2.4162G	98.12	Inf	-Inf	30.47	3	Vertical	196	1.34	-
PK	2.389G	56.98	74.00	-17.02	30.37	3	Vertical	196	1.34	-
PK	2.4162G	100.47	Inf	-Inf	30.47	3	Vertical	196	1.34	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

27/12/2018

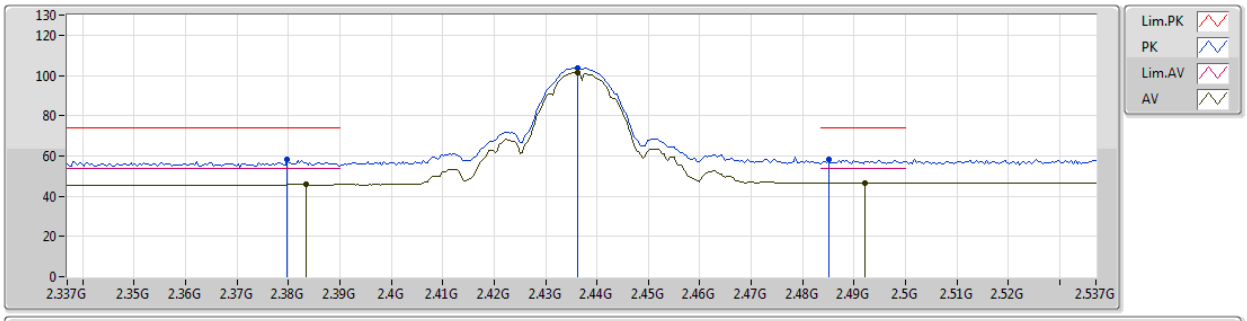


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	45.69	54.00	-8.31	30.38	3	Horizontal	103	2.11	-
AV	2.4162G	96.18	Inf	-Inf	30.47	3	Horizontal	103	2.11	-
PK	2.3748G	58.53	74.00	-15.47	30.33	3	Horizontal	103	2.11	-
PK	2.4162G	98.48	Inf	-Inf	30.47	3	Horizontal	103	2.11	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

25/12/2018

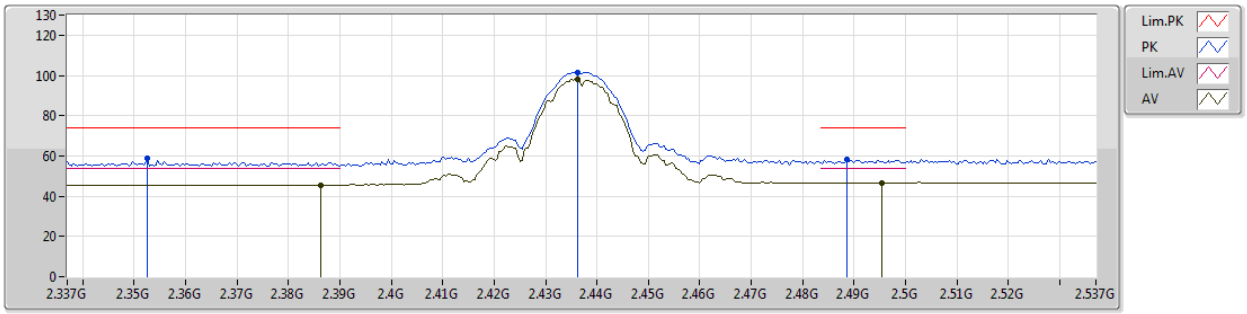


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3834G	45.89	54.00	-8.11	30.36	3	Vertical	189	1.43	-
AV	2.4362G	101.31	Inf	-Inf	30.54	3	Vertical	189	1.43	-
AV	2.4922G	46.76	54.00	-7.24	30.72	3	Vertical	189	1.43	-
PK	2.3798G	58.03	74.00	-15.97	30.34	3	Vertical	189	1.43	-
PK	2.4362G	103.88	Inf	-Inf	30.54	3	Vertical	189	1.43	-
PK	2.485G	58.27	74.00	-15.73	30.69	3	Vertical	189	1.43	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

25/12/2018

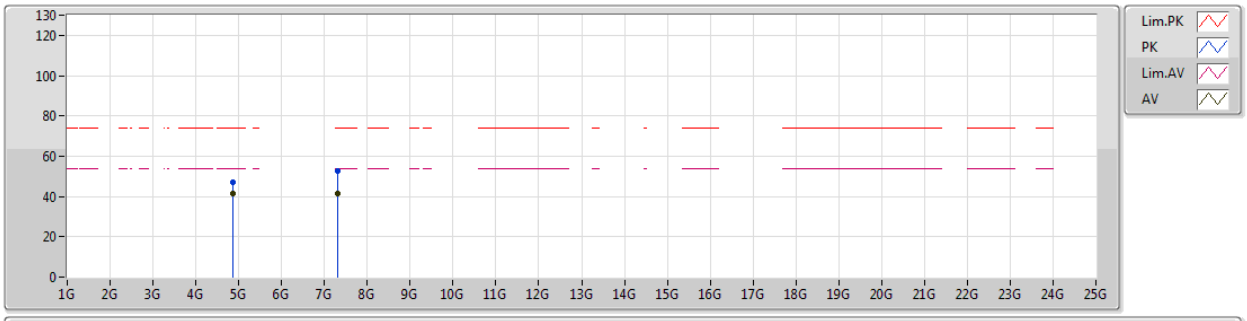


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	45.63	54.00	-8.37	30.37	3	Horizontal	98	1.24	-
AV	2.4362G	98.01	Inf	-Inf	30.54	3	Horizontal	98	1.24	-
AV	2.4954G	46.78	54.00	-7.22	30.74	3	Horizontal	98	1.24	-
PK	2.3526G	58.70	74.00	-15.30	30.26	3	Horizontal	98	1.24	-
PK	2.4362G	101.66	Inf	-Inf	30.54	3	Horizontal	98	1.24	-
PK	2.4886G	58.22	74.00	-15.78	30.71	3	Horizontal	98	1.24	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

25/12/2018

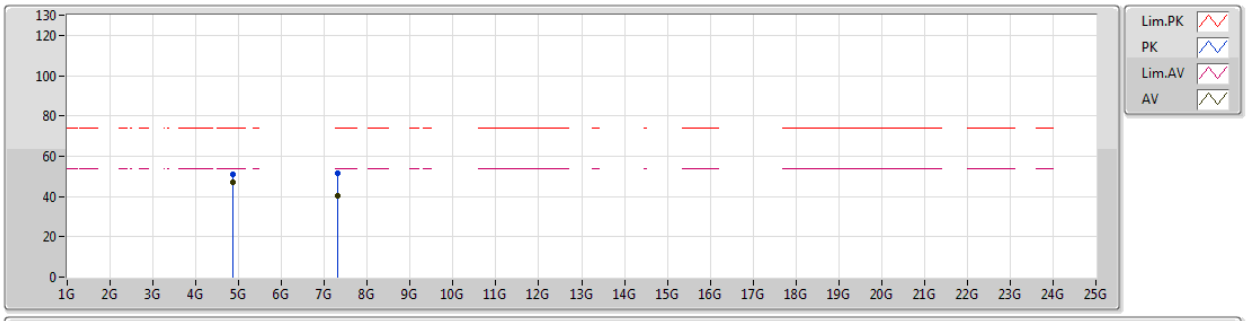


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.874G	41.46	54.00	-12.54	6.00	3	Vertical	211	1.28	-
AV	7.3119G	41.54	54.00	-12.46	11.22	3	Vertical	177	1.82	-
PK	4.874G	47.22	74.00	-26.78	6.00	3	Vertical	211	1.28	-
PK	7.31154G	52.70	74.00	-21.30	11.22	3	Vertical	177	1.82	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

25/12/2018

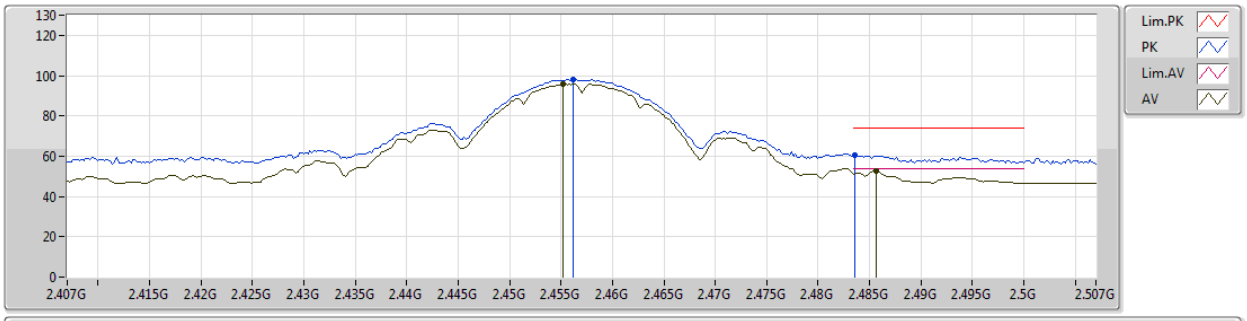


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87406G	47.25	54.00	-6.75	6.00	3	Horizontal	173	1.63	-
AV	7.30902G	40.33	54.00	-13.67	11.21	3	Horizontal	111	1.49	-
PK	4.87406G	50.82	74.00	-23.18	6.00	3	Horizontal	173	1.63	-
PK	7.30944G	51.38	74.00	-22.62	11.21	3	Horizontal	111	1.49	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

27/12/2018

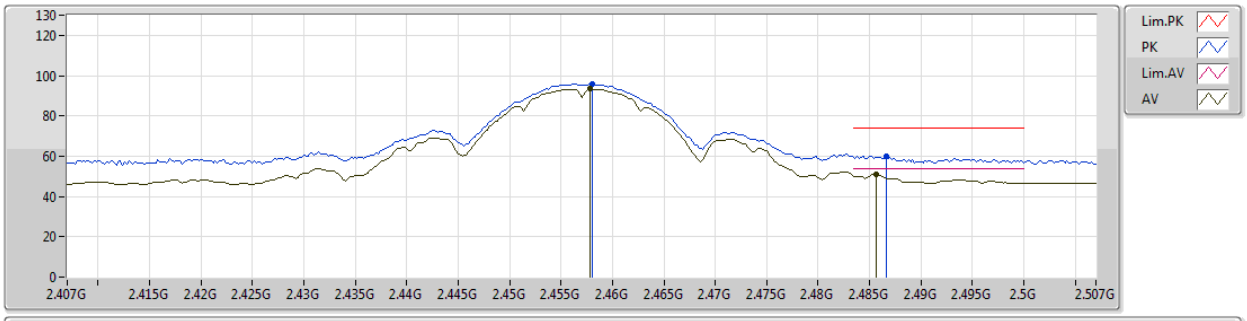


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4552G	95.73	Inf	-Inf	30.60	3	Vertical	197	1.50	-
AV	2.4856G	52.48	54.00	-1.52	30.71	3	Vertical	197	1.50	-
PK	2.4562G	97.99	Inf	-Inf	30.60	3	Vertical	197	1.50	-
PK	2.4836G	60.51	74.00	-13.49	30.69	3	Vertical	197	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

27/12/2018

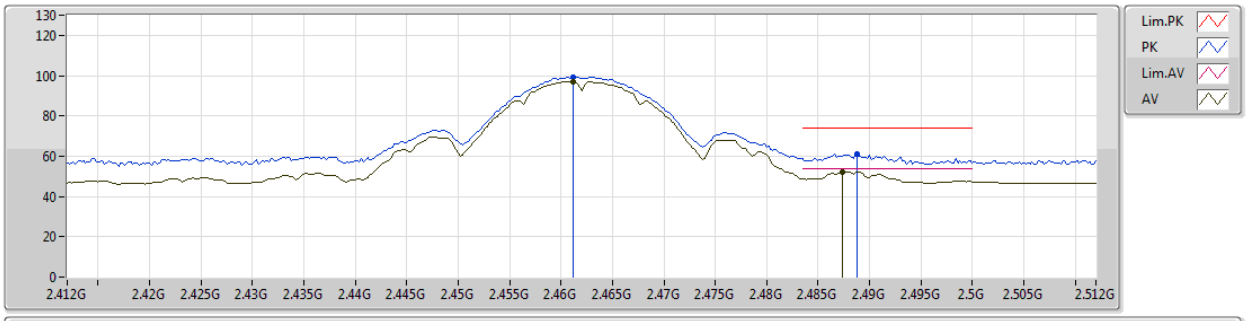


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	93.43	Inf	-Inf	30.61	3	Horizontal	18	1.71	-
AV	2.4856G	51.01	54.00	-2.99	30.71	3	Horizontal	18	1.71	-
PK	2.458G	95.73	Inf	-Inf	30.61	3	Horizontal	18	1.71	-
PK	2.4866G	60.18	74.00	-13.82	30.71	3	Horizontal	18	1.71	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

25/12/2018

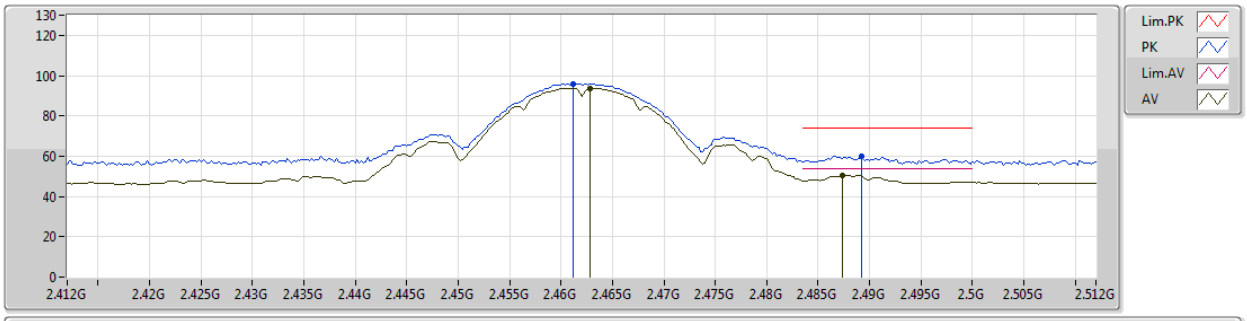


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	97.03	Inf	-Inf	30.62	3	Vertical	202	1.68	-
AV	2.4874G	52.32	54.00	-1.68	30.71	3	Vertical	202	1.68	-
PK	2.4612G	99.28	Inf	-Inf	30.62	3	Vertical	202	1.68	-
PK	2.4888G	61.13	74.00	-12.87	30.71	3	Vertical	202	1.68	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

25/12/2018

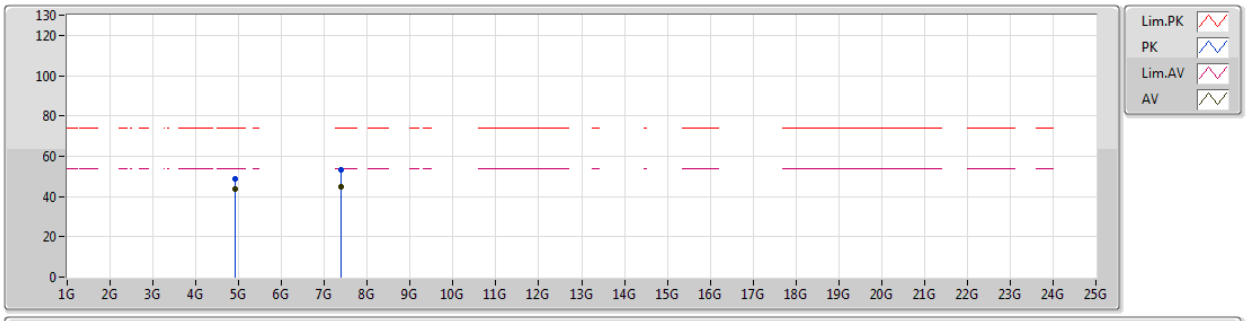


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4628G	93.83	Inf	-Inf	30.62	3	Horizontal	86	1.50	-
AV	2.4874G	50.65	54.00	-3.35	30.71	3	Horizontal	86	1.50	-
PK	2.4612G	95.95	Inf	-Inf	30.62	3	Horizontal	86	1.50	-
PK	2.4892G	60.07	74.00	-13.93	30.71	3	Horizontal	86	1.50	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

25/12/2018

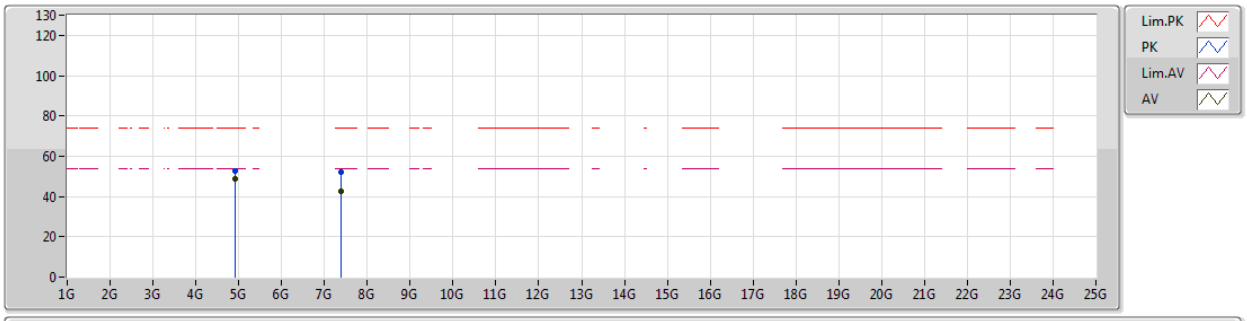


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92406G	43.98	54.00	-10.02	6.09	3	Vertical	162	1.64	-
AV	7.38684G	44.60	54.00	-9.40	11.43	3	Vertical	175	1.80	-
PK	4.92412G	48.69	74.00	-25.31	6.09	3	Vertical	162	1.64	-
PK	7.38846G	53.02	74.00	-20.98	11.43	3	Vertical	175	1.80	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

25/12/2018

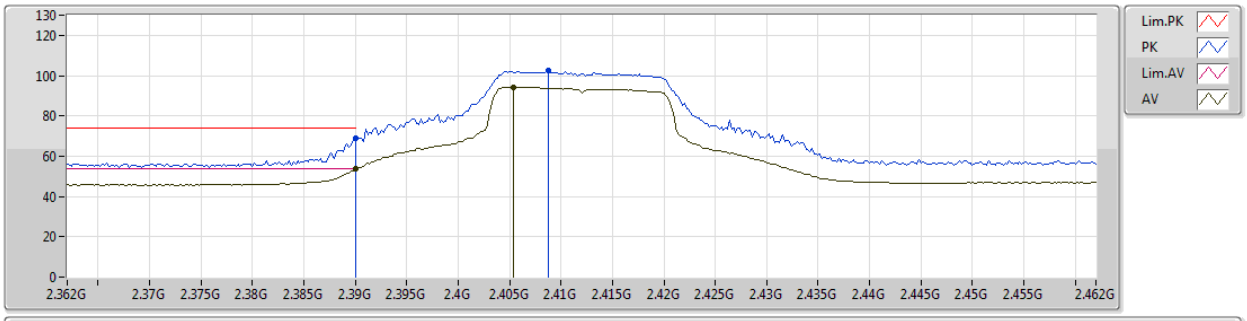


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92406G	48.50	54.00	-5.50	6.09	3	Horizontal	167	1.64	-
AV	7.38678G	42.47	54.00	-11.53	11.43	3	Horizontal	158	1.50	-
PK	4.92406G	52.45	74.00	-21.55	6.09	3	Horizontal	167	1.64	-
PK	7.38474G	52.24	74.00	-21.76	11.42	3	Horizontal	158	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

25/12/2018

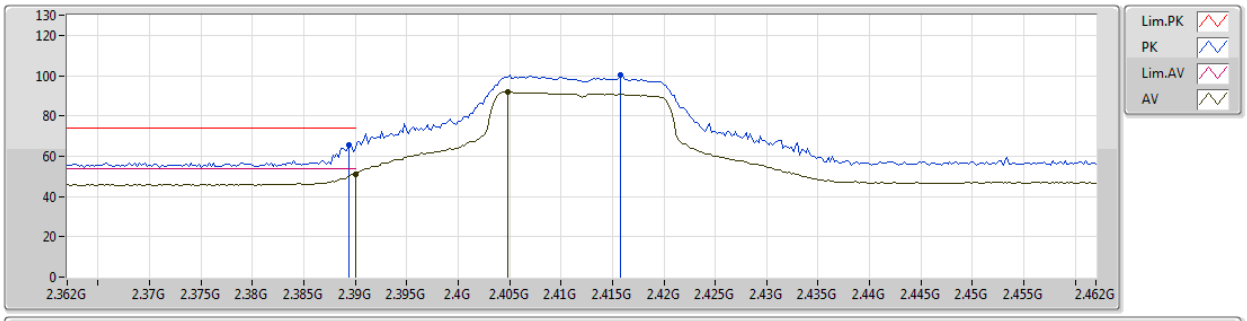


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.64	54.00	-0.36	30.38	3	Vertical	188	1.57	-
AV	2.4054G	94.18	Inf	-Inf	30.43	3	Vertical	188	1.57	-
PK	2.39G	69.01	74.00	-4.99	30.38	3	Vertical	188	1.57	-
PK	2.4088G	102.55	Inf	-Inf	30.44	3	Vertical	188	1.57	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

25/12/2018

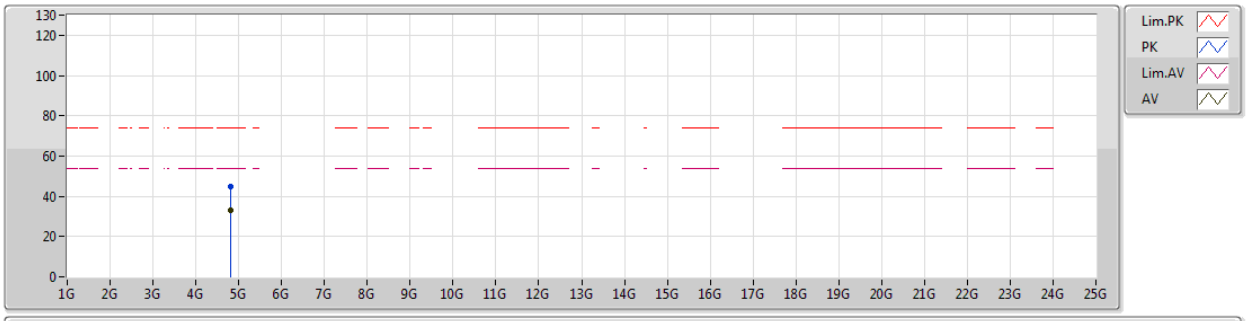


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	51.25	54.00	-2.75	30.38	3	Horizontal	213	1.41	-
AV	2.4048G	91.74	Inf	-Inf	30.42	3	Horizontal	213	1.41	-
PK	2.3894G	65.80	74.00	-8.20	30.37	3	Horizontal	213	1.41	-
PK	2.4158G	100.15	Inf	-Inf	30.47	3	Horizontal	213	1.41	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

25/12/2018

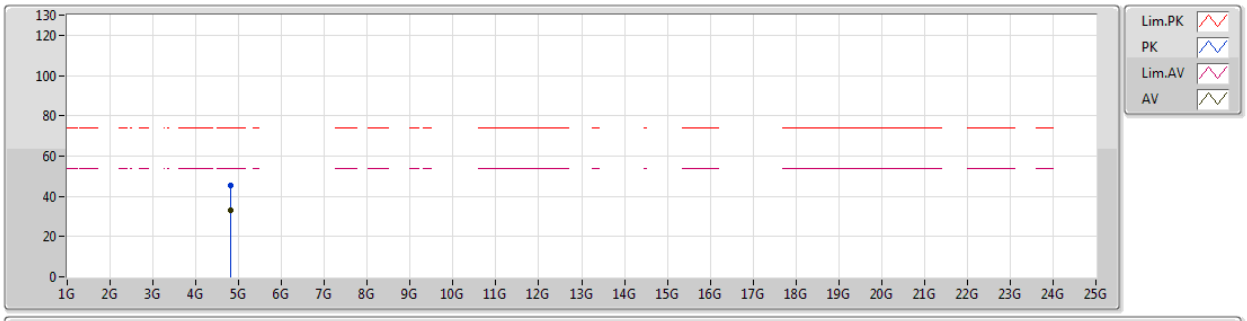


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81572G	33.09	54.00	-20.91	5.88	3	Vertical	355	1.50	-
PK	4.80966G	44.63	74.00	-29.37	5.86	3	Vertical	355	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

25/12/2018

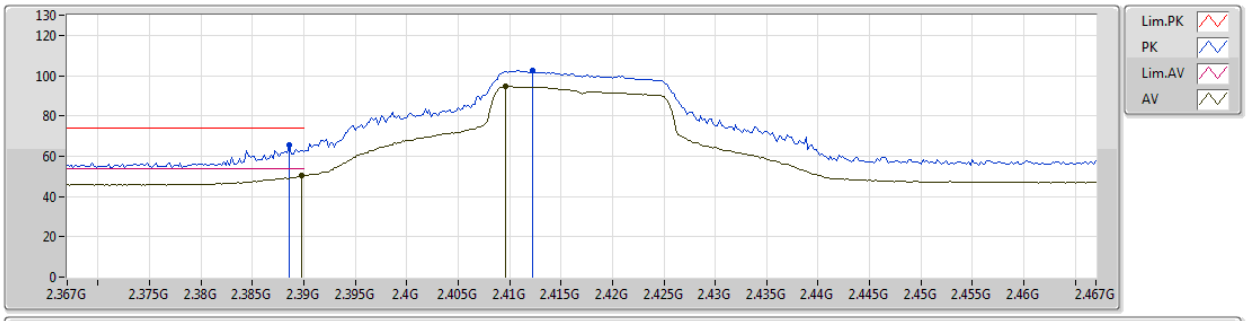


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81842G	33.17	54.00	-20.83	5.89	3	Horizontal	184	1.50	-
PK	4.8234G	45.40	74.00	-28.60	5.89	3	Horizontal	184	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

27/12/2018

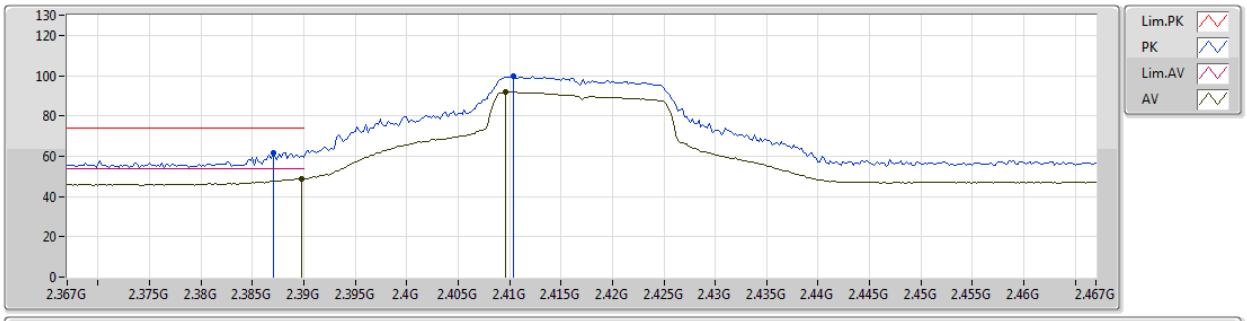


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.29	54.00	-3.71	30.38	3	Vertical	190	1.44	-
AV	2.4096G	94.49	Inf	-Inf	30.44	3	Vertical	190	1.44	-
PK	2.3886G	65.63	74.00	-8.37	30.37	3	Vertical	190	1.44	-
PK	2.4122G	102.52	Inf	-Inf	30.45	3	Vertical	190	1.44	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

27/12/2018

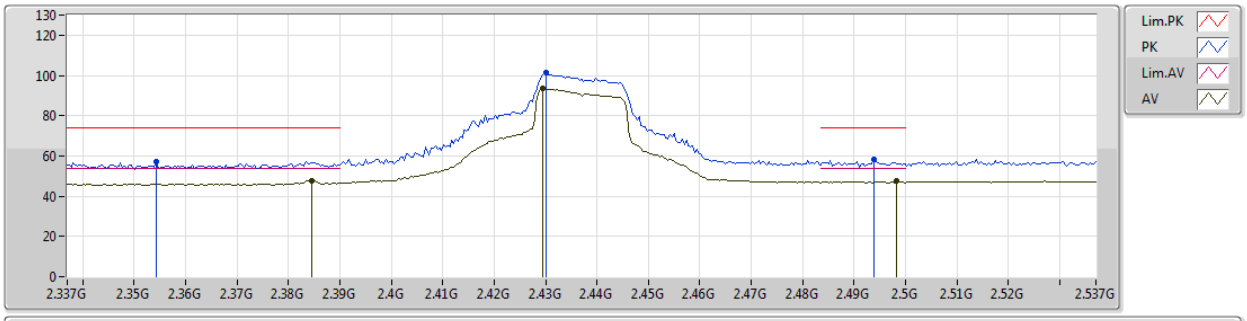


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	49.00	54.00	-5.00	30.38	3	Horizontal	167	1.42	-
AV	2.4096G	91.70	Inf	-Inf	30.44	3	Horizontal	167	1.42	-
PK	2.387G	61.78	74.00	-12.22	30.37	3	Horizontal	167	1.42	-
PK	2.4104G	99.98	Inf	-Inf	30.44	3	Horizontal	167	1.42	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

25/12/2018

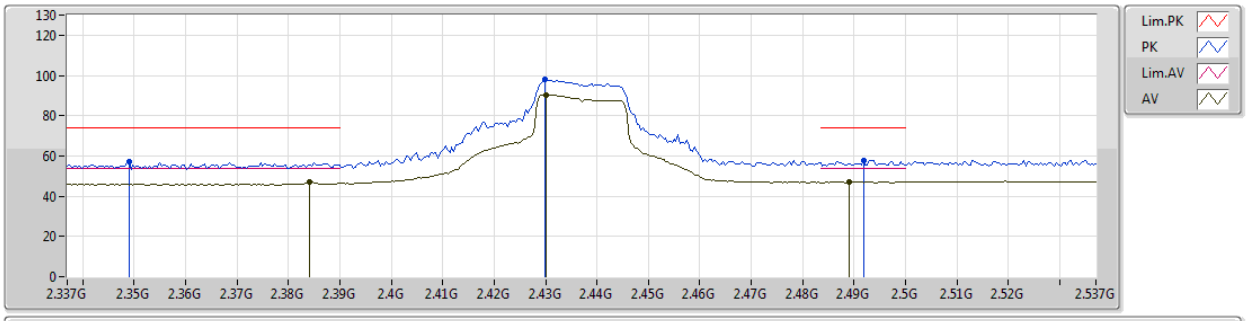


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3846G	47.88	54.00	-6.12	30.36	3	Vertical	185	1.82	-
AV	2.4294G	93.40	Inf	-Inf	30.51	3	Vertical	185	1.82	-
AV	2.4982G	47.35	54.00	-6.65	30.75	3	Vertical	185	1.82	-
PK	2.3542G	57.17	74.00	-16.83	30.26	3	Vertical	185	1.82	-
PK	2.4302G	101.28	Inf	-Inf	30.51	3	Vertical	185	1.82	-
PK	2.4938G	58.09	74.00	-15.91	30.73	3	Vertical	185	1.82	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

25/12/2018

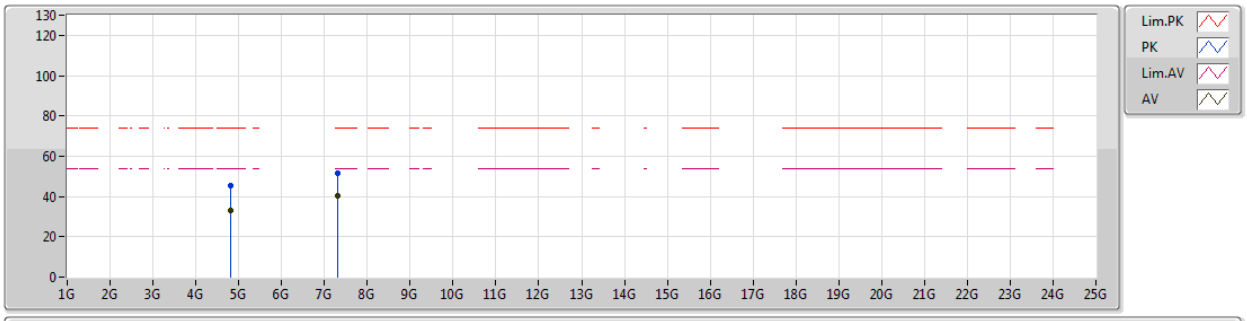


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3842G	46.94	54.00	-7.06	30.36	3	Horizontal	210	1.35	-
AV	2.4302G	90.33	Inf	-Inf	30.51	3	Horizontal	210	1.35	-
AV	2.489G	47.31	54.00	-6.69	30.71	3	Horizontal	210	1.35	-
PK	2.349G	57.12	74.00	-16.88	30.24	3	Horizontal	210	1.35	-
PK	2.4298G	97.84	Inf	-Inf	30.51	3	Horizontal	210	1.35	-
PK	2.4918G	57.78	74.00	-16.22	30.72	3	Horizontal	210	1.35	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

25/12/2018

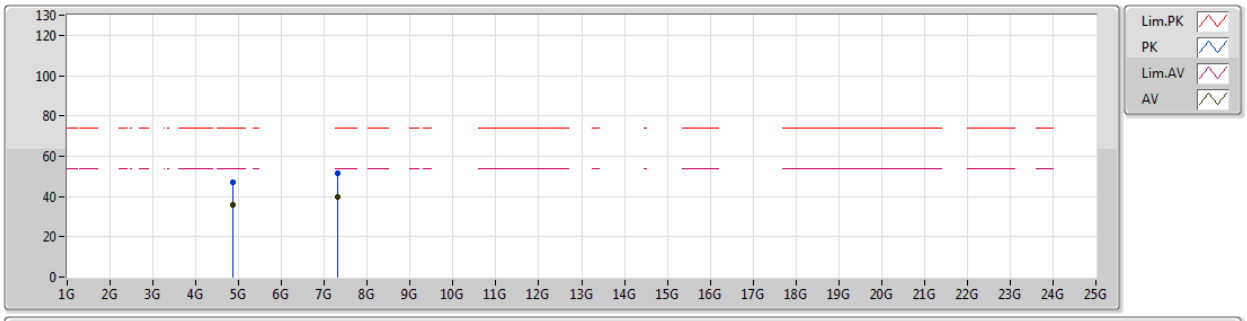


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81074G	32.94	54.00	-21.06	5.88	3	Vertical	83	1.50	-
AV	7.30818G	40.48	54.00	-13.52	11.21	3	Vertical	175	1.81	-
PK	4.81032G	45.50	74.00	-28.50	5.87	3	Vertical	83	1.50	-
PK	7.30704G	51.50	74.00	-22.50	11.21	3	Vertical	175	1.81	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

25/12/2018

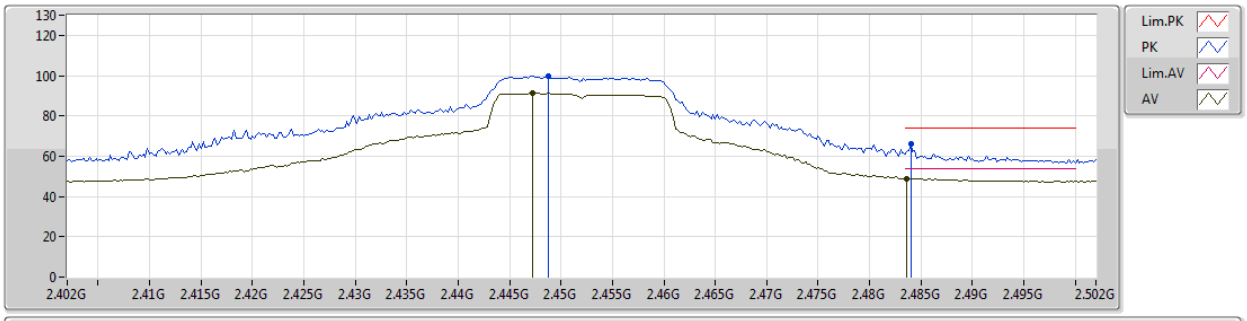


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87376G	35.92	54.00	-18.08	6.00	3	Horizontal	172	1.64	-
AV	7.31448G	39.64	54.00	-14.36	11.23	3	Horizontal	109	1.50	-
PK	4.87592G	47.32	74.00	-26.68	6.01	3	Horizontal	172	1.64	-
PK	7.31304G	51.67	74.00	-22.33	11.22	3	Horizontal	109	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2452MHz_TX

27/12/2018

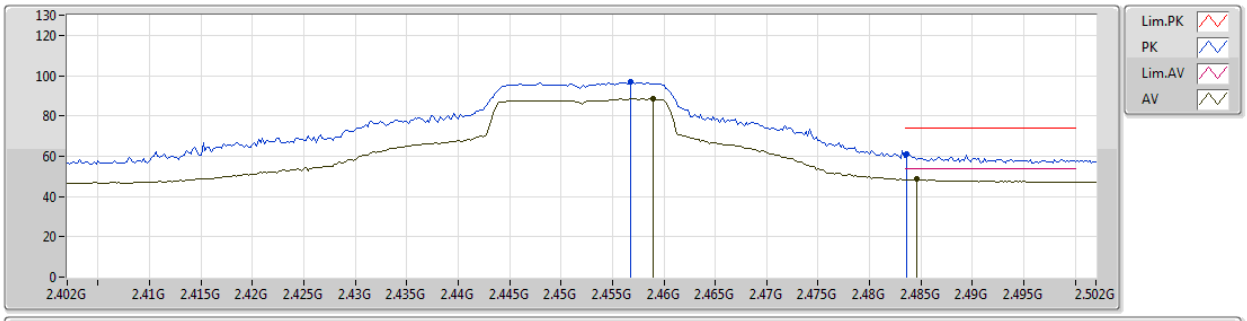


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4472G	91.23	Inf	-Inf	30.57	3	Vertical	196	1.52	-
AV	2.4836G	49.00	54.00	-5.00	30.69	3	Vertical	196	1.52	-
PK	2.4488G	99.99	Inf	-Inf	30.58	3	Vertical	196	1.52	-
PK	2.484G	65.97	74.00	-8.03	30.69	3	Vertical	196	1.52	-

802.11g_Nss1,(6Mbps)_1TX

2452MHz_TX

27/12/2018

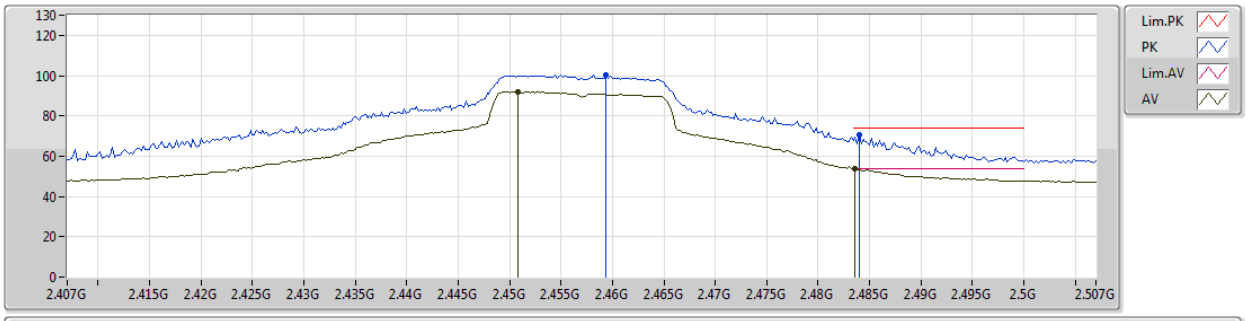


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.459G	88.40	Inf	-Inf	30.61	3	Horizontal	18	1.72	-
AV	2.4846G	48.54	54.00	-5.46	30.69	3	Horizontal	18	1.72	-
PK	2.4568G	96.83	Inf	-Inf	30.61	3	Horizontal	18	1.72	-
PK	2.4836G	61.31	74.00	-12.69	30.69	3	Horizontal	18	1.72	-

802.11g_Nss1,(6Mbps)_1TX

27/12/2018

2457MHz_TX

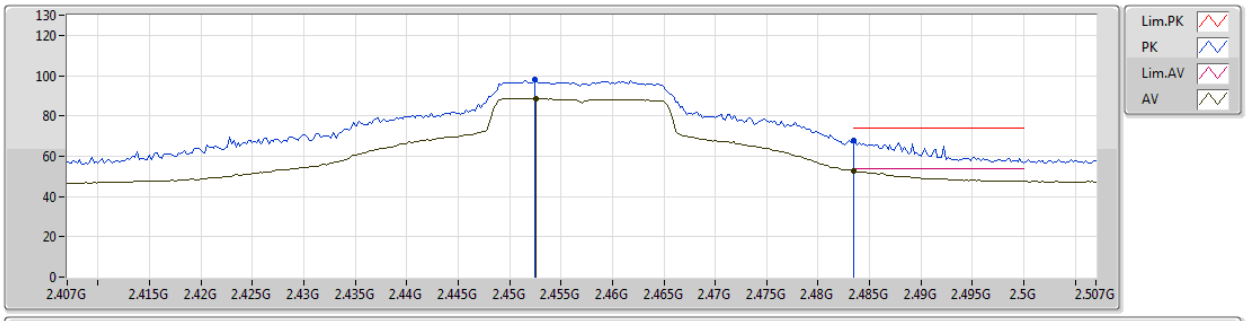


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4508G	91.84	Inf	-Inf	30.58	3	Vertical	196	1.49	-
AV	2.4836G	53.83	54.00	-0.17	30.69	3	Vertical	196	1.49	-
PK	2.4594G	100.36	Inf	-Inf	30.61	3	Vertical	196	1.49	-
PK	2.484G	70.75	74.00	-3.25	30.69	3	Vertical	196	1.49	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

27/12/2018

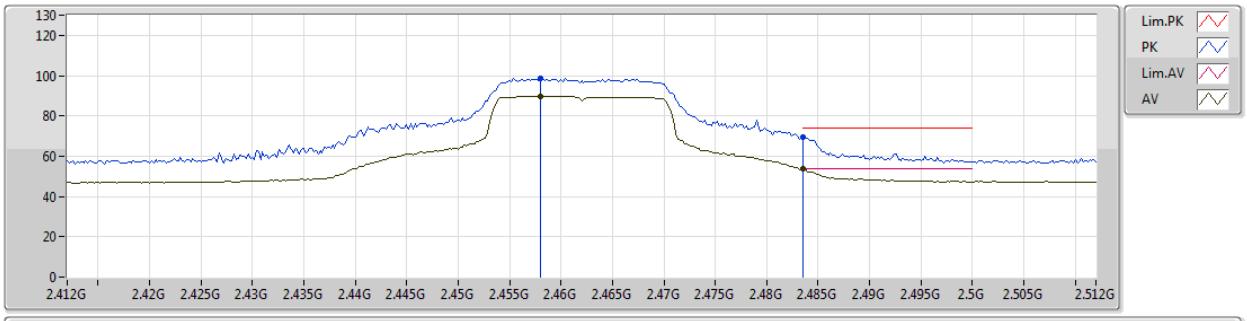


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4526G	88.50	Inf	-Inf	30.59	3	Horizontal	17	1.98	-
AV	2.4835G	52.60	54.00	-1.40	30.69	3	Horizontal	17	1.98	-
PK	2.4524G	98.17	Inf	-Inf	30.59	3	Horizontal	17	1.98	-
PK	2.4835G	67.76	74.00	-6.24	30.69	3	Horizontal	17	1.98	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

25/12/2018

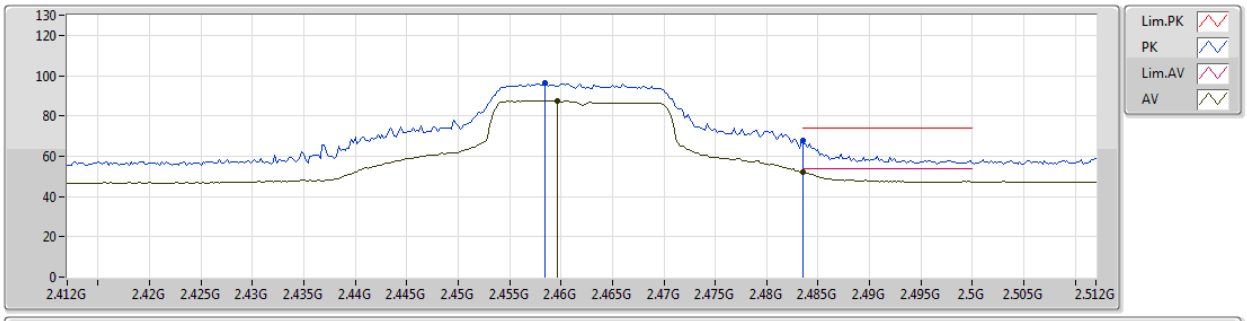


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.458G	89.90	Inf	-Inf	30.61	3	Vertical	204	1.69	-
AV	2.4835G	53.70	54.00	-0.30	30.69	3	Vertical	204	1.69	-
PK	2.458G	98.65	Inf	-Inf	30.61	3	Vertical	204	1.69	-
PK	2.4835G	69.34	74.00	-4.66	30.69	3	Vertical	204	1.69	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

25/12/2018

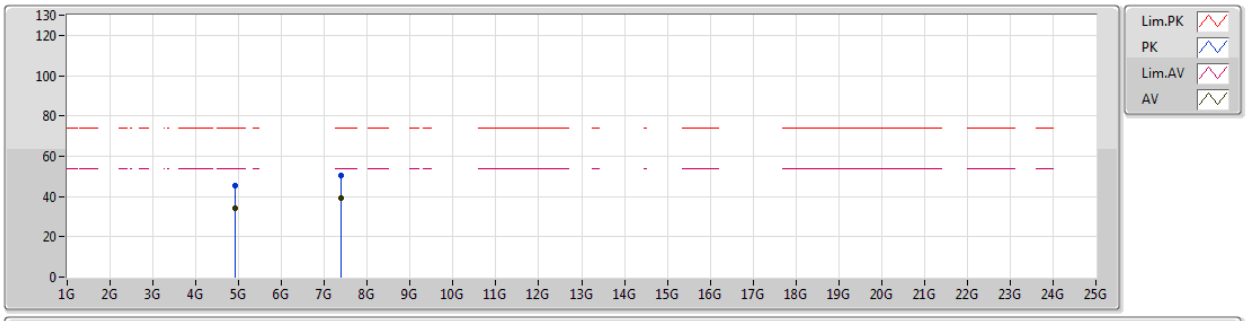


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4596G	87.41	Inf	-Inf	30.61	3	Horizontal	86	1.61	-
AV	2.4835G	52.30	54.00	-1.70	30.69	3	Horizontal	86	1.61	-
PK	2.4584G	96.14	Inf	-Inf	30.61	3	Horizontal	86	1.61	-
PK	2.4835G	67.56	74.00	-6.44	30.69	3	Horizontal	86	1.61	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

25/12/2018

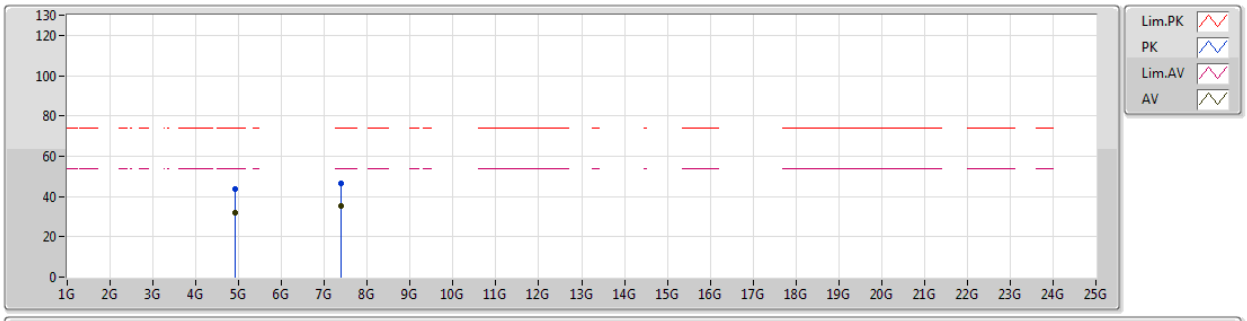


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92424G	34.14	54.00	-19.86	6.09	3	Vertical	168	1.42	-
AV	7.37988G	39.04	54.00	-14.96	11.41	3	Vertical	328	1.50	-
PK	4.92328G	45.21	74.00	-28.79	6.09	3	Vertical	168	1.42	-
PK	7.3797G	50.19	74.00	-23.81	11.41	3	Vertical	328	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

25/12/2018

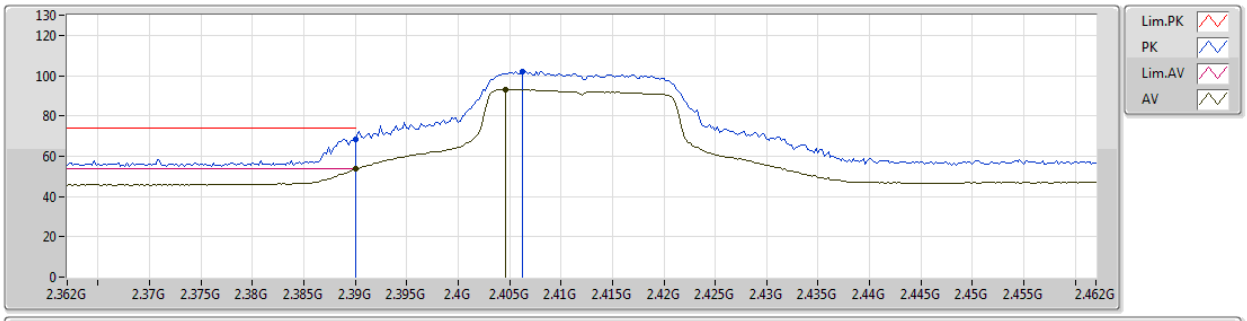


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	31.95	54.00	-22.05	1.59	3	Horizontal	196	1.65	-
AV	7.37928G	35.46	54.00	-18.54	7.57	3	Horizontal	161	1.47	-
PK	4.92406G	43.49	74.00	-30.51	1.59	3	Horizontal	196	1.65	-
PK	7.38642G	46.60	74.00	-27.40	7.59	3	Horizontal	161	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

25/12/2018

2412MHz_TX

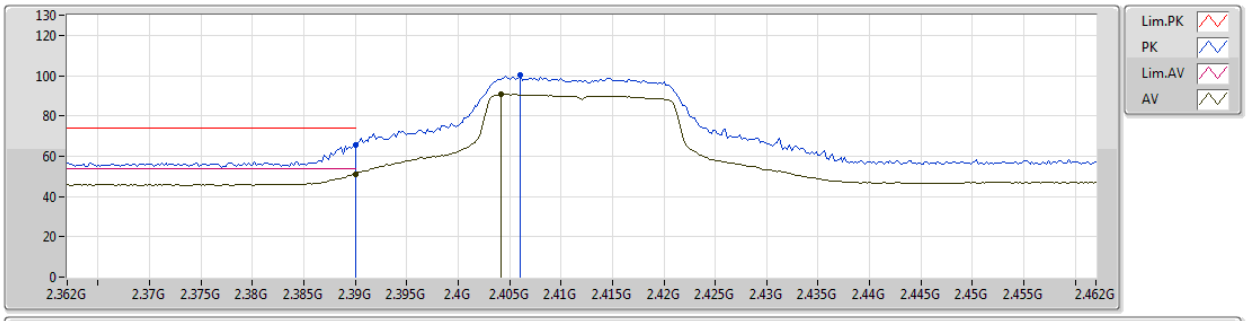


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.64	54.00	-0.36	30.38	3	Vertical	188	1.56	-
AV	2.4046G	92.98	Inf	-Inf	30.42	3	Vertical	188	1.56	-
PK	2.39G	68.64	74.00	-5.36	30.38	3	Vertical	188	1.56	-
PK	2.4062G	101.98	Inf	-Inf	30.43	3	Vertical	188	1.56	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

25/12/2018

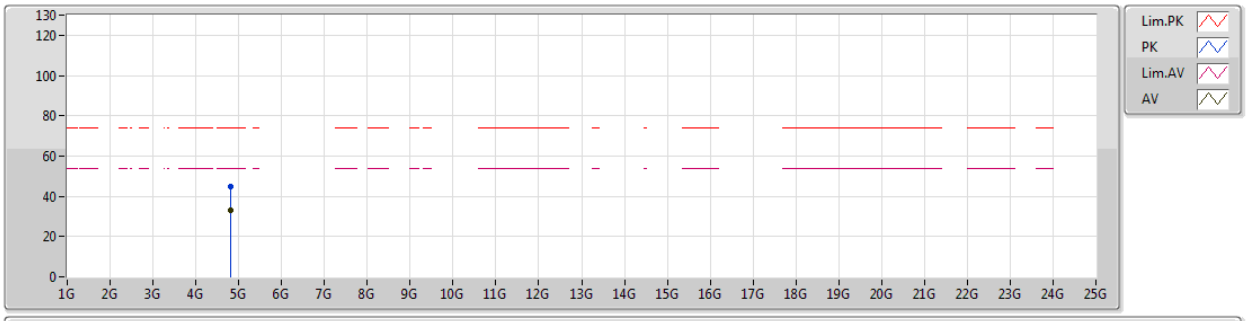


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	50.94	54.00	-3.06	30.38	3	Horizontal	212	1.40	-
AV	2.4042G	90.64	Inf	-Inf	30.42	3	Horizontal	212	1.40	-
PK	2.39G	65.76	74.00	-8.24	30.38	3	Horizontal	212	1.40	-
PK	2.406G	100.29	Inf	-Inf	30.43	3	Horizontal	212	1.40	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

25/12/2018

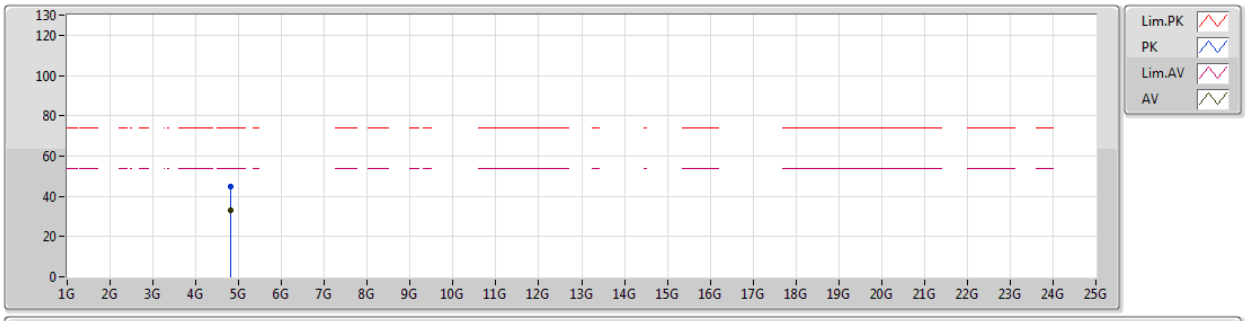


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81242G	33.14	54.00	-20.86	5.88	3	Vertical	357	1.50	-
PK	4.81956G	44.55	74.00	-29.45	5.89	3	Vertical	357	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

27/12/2018

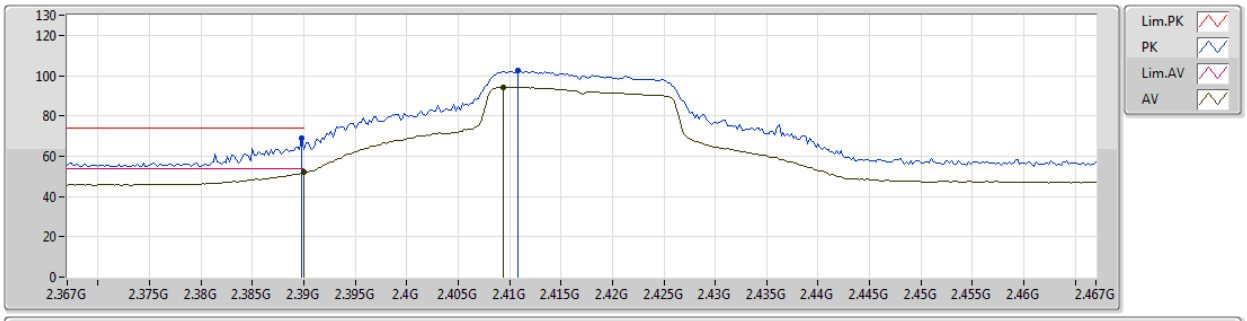


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81026G	33.06	54.00	-20.94	5.87	3	Horizontal	86	1.31	-
PK	4.821G	44.80	74.00	-29.20	5.89	3	Horizontal	86	1.31	-

802.11n HT20_Nss1,(MCS0)_1TX

27/12/2018

2417MHz_TX

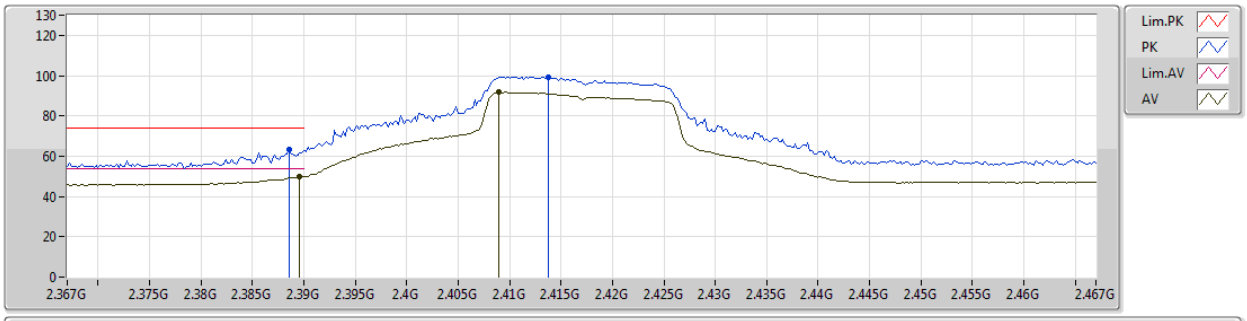


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	51.98	54.00	-2.02	30.38	3	Vertical	190	1.47	-
AV	2.4094G	94.11	Inf	-Inf	30.44	3	Vertical	190	1.47	-
PK	2.3898G	68.70	74.00	-5.30	30.38	3	Vertical	190	1.47	-
PK	2.4108G	102.69	Inf	-Inf	30.45	3	Vertical	190	1.47	-

802.11n HT20_Nss1,(MCS0)_1TX

27/12/2018

2417MHz_TX

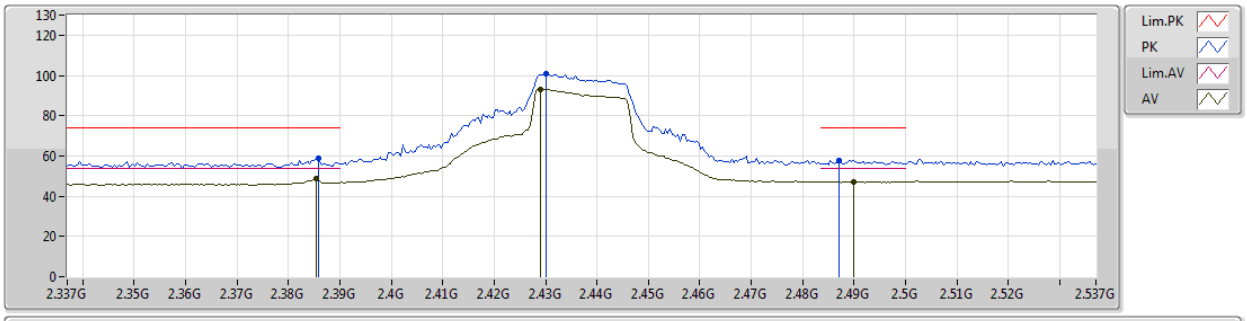


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	50.11	54.00	-3.89	30.38	3	Horizontal	167	1.43	-
AV	2.409G	91.71	Inf	-Inf	30.44	3	Horizontal	167	1.43	-
PK	2.3886G	63.33	74.00	-10.67	30.37	3	Horizontal	167	1.43	-
PK	2.4138G	99.43	Inf	-Inf	30.45	3	Horizontal	167	1.43	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

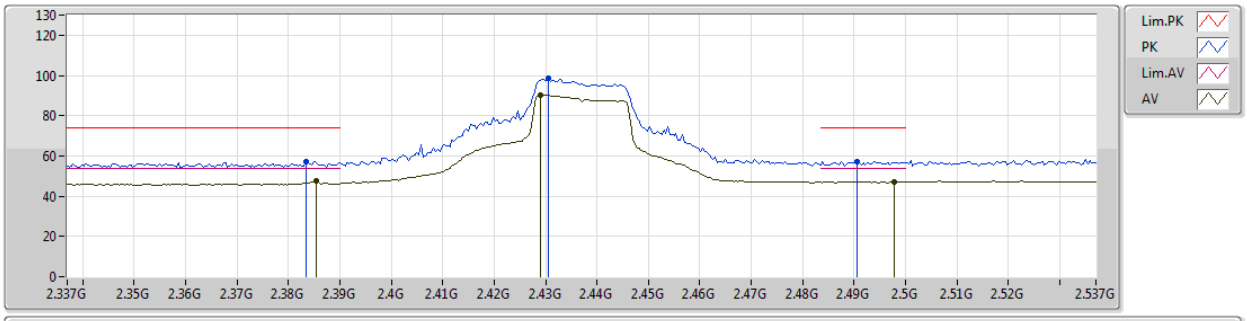


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3854G	48.94	54.00	-5.06	30.36	3	Vertical	186	1.83	-
AV	2.429G	93.17	Inf	-Inf	30.51	3	Vertical	186	1.83	-
AV	2.4898G	47.32	54.00	-6.68	30.72	3	Vertical	186	1.83	-
PK	2.3858G	58.89	74.00	-15.11	30.37	3	Vertical	186	1.83	-
PK	2.4302G	100.59	Inf	-Inf	30.51	3	Vertical	186	1.83	-
PK	2.487G	57.99	74.00	-16.01	30.71	3	Vertical	186	1.83	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

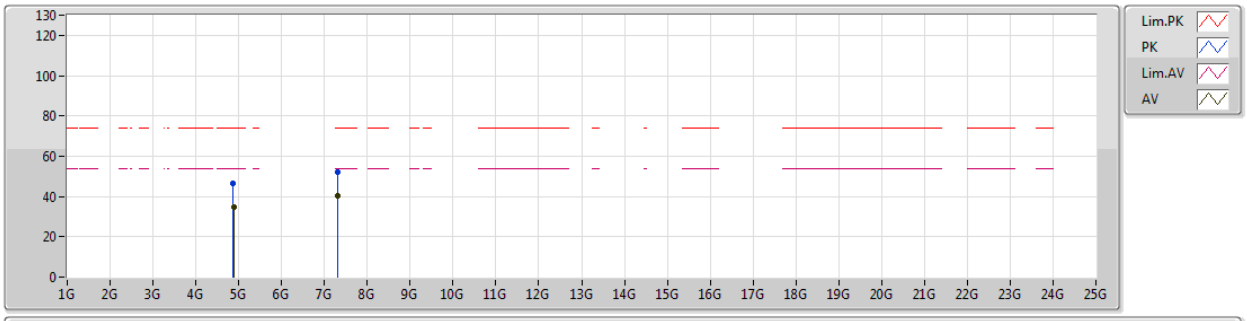


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3854G	47.43	54.00	-6.57	30.36	3	Horizontal	210	1.36	-
AV	2.429G	90.32	Inf	-Inf	30.51	3	Horizontal	210	1.36	-
AV	2.4978G	47.34	54.00	-6.66	30.74	3	Horizontal	210	1.36	-
PK	2.3834G	57.15	74.00	-16.85	30.36	3	Horizontal	210	1.36	-
PK	2.4306G	98.38	Inf	-Inf	30.51	3	Horizontal	210	1.36	-
PK	2.4906G	57.22	74.00	-16.78	30.72	3	Horizontal	210	1.36	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

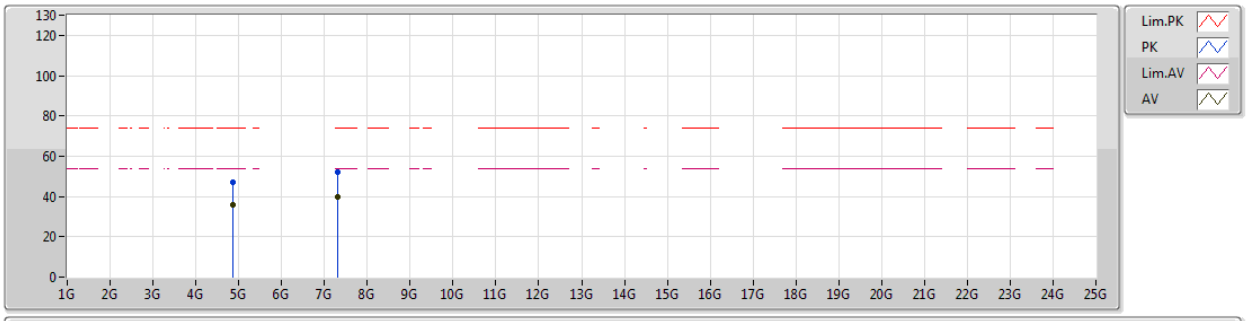


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87874G	34.51	54.00	-19.49	6.01	3	Vertical	218	1.13	-
AV	7.30962G	40.41	54.00	-13.59	11.22	3	Vertical	175	1.82	-
PK	4.86998G	46.63	74.00	-27.37	5.99	3	Vertical	218	1.13	-
PK	7.30386G	52.10	74.00	-21.90	11.20	3	Vertical	175	1.82	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

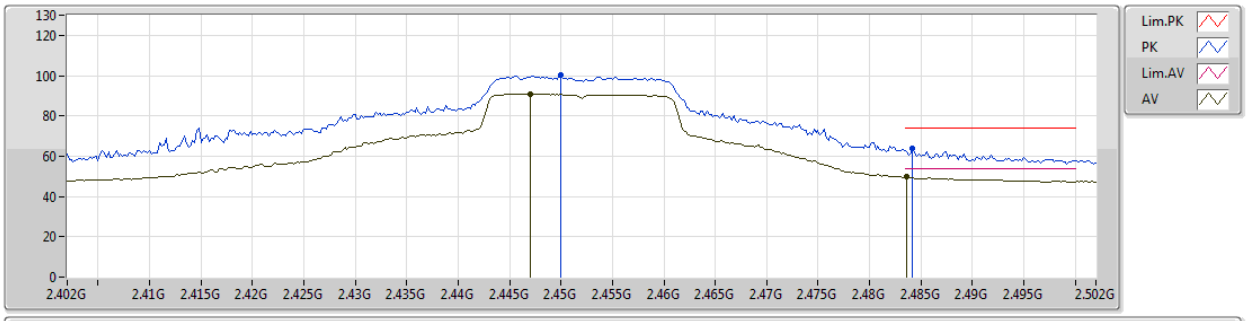


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87424G	35.60	54.00	-18.40	6.00	3	Horizontal	175	1.48	-
AV	7.30902G	39.86	54.00	-14.14	11.21	3	Horizontal	111	1.46	-
PK	4.87568G	47.11	74.00	-26.89	6.01	3	Horizontal	175	1.48	-
PK	7.31796G	52.08	74.00	-21.92	11.25	3	Horizontal	111	1.46	-

802.11n HT20_Nss1,(MCS0)_1TX

27/12/2018

2452MHz_TX

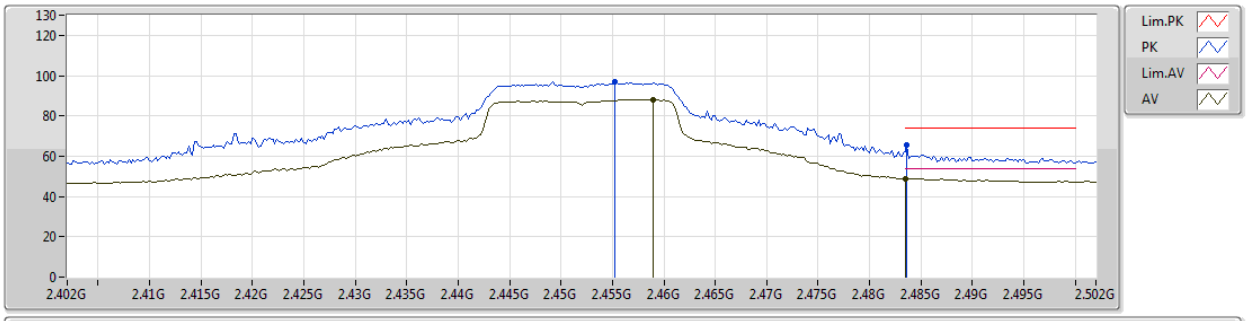


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.447G	90.84	Inf	-Inf	30.57	3	Vertical	196	1.49	-
AV	2.4836G	49.64	54.00	-4.36	30.69	3	Vertical	196	1.49	-
PK	2.45G	100.06	Inf	-Inf	30.58	3	Vertical	196	1.49	-
PK	2.4842G	63.60	74.00	-10.40	30.69	3	Vertical	196	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

2452MHz_TX

27/12/2018

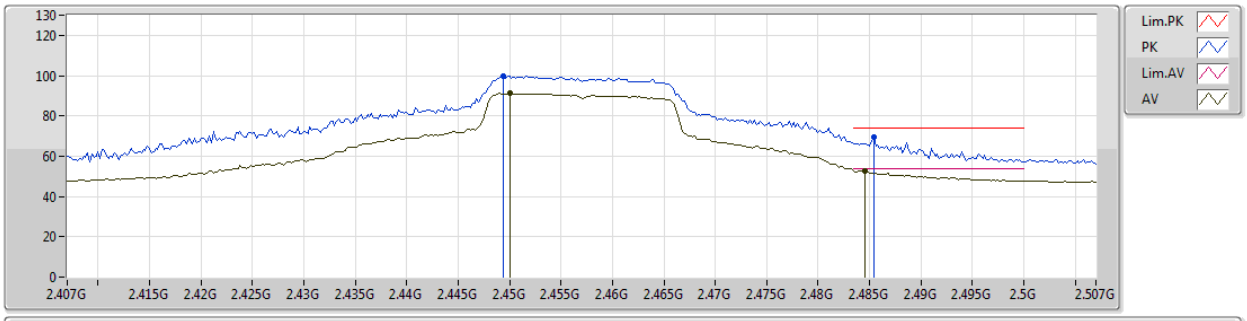


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.459G	88.17	Inf	-Inf	30.61	3	Horizontal	19	1.70	-
AV	2.4835G	49.00	54.00	-5.00	30.69	3	Horizontal	19	1.70	-
PK	2.4552G	97.12	Inf	-Inf	30.60	3	Horizontal	19	1.70	-
PK	2.4836G	65.32	74.00	-8.68	30.69	3	Horizontal	19	1.70	-

802.11n HT20_Nss1,(MCS0)_1TX

27/12/2018

2457MHz_TX

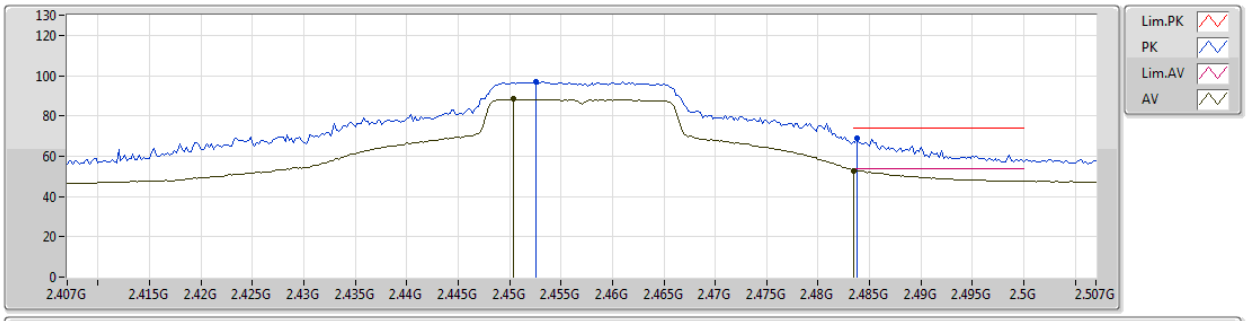


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.45G	91.11	Inf	-Inf	30.58	3	Vertical	197	1.50	-
AV	2.4846G	52.89	54.00	-1.11	30.69	3	Vertical	197	1.50	-
PK	2.4494G	99.86	Inf	-Inf	30.58	3	Vertical	197	1.50	-
PK	2.4854G	69.56	74.00	-4.44	30.70	3	Vertical	197	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

27/12/2018

2457MHz_TX

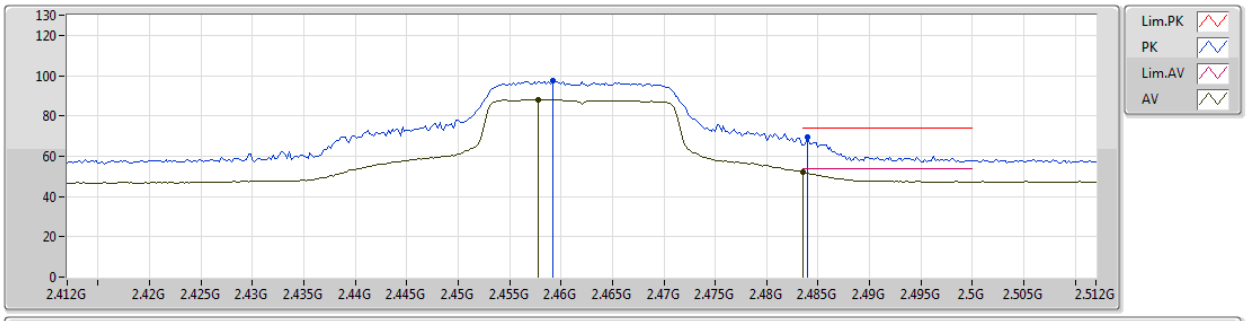


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4504G	88.26	Inf	-Inf	30.58	3	Horizontal	19	1.99	-
AV	2.4835G	52.74	54.00	-1.26	30.69	3	Horizontal	19	1.99	-
PK	2.4526G	96.84	Inf	-Inf	30.59	3	Horizontal	19	1.99	-
PK	2.4838G	68.75	74.00	-5.25	30.69	3	Horizontal	19	1.99	-

802.11n HT20_Nss1,(MCS0)_1TX

25/12/2018

2462MHz_TX

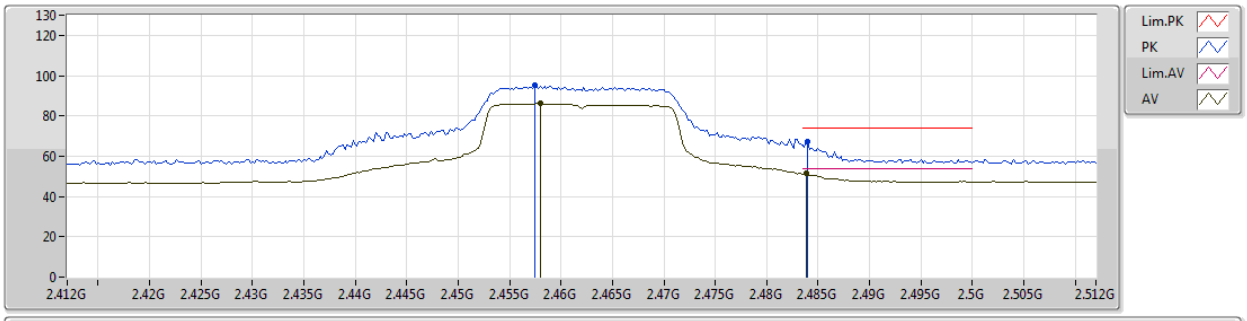


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	88.10	Inf	-Inf	30.61	3	Vertical	206	1.68	-
AV	2.4835G	51.99	54.00	-2.01	30.69	3	Vertical	206	1.68	-
PK	2.4592G	97.57	Inf	-Inf	30.61	3	Vertical	206	1.68	-
PK	2.484G	69.41	74.00	-4.59	30.69	3	Vertical	206	1.68	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

25/12/2018

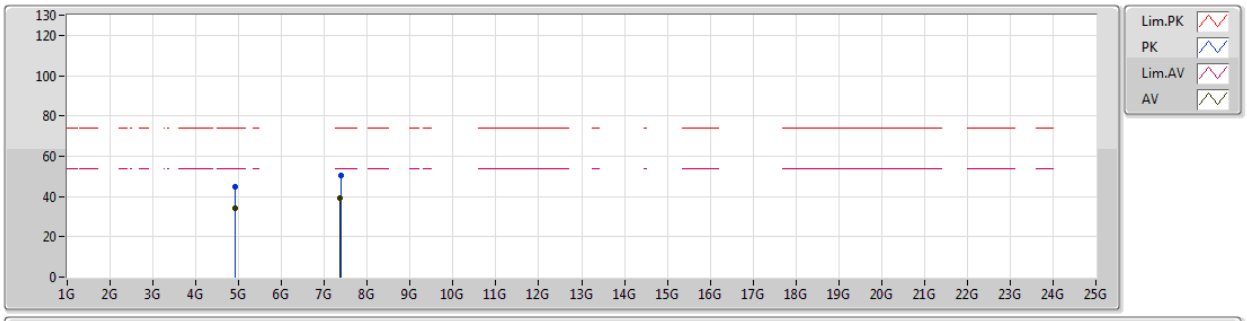


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.458G	86.04	Inf	-Inf	30.61	3	Horizontal	87	1.62	-
AV	2.4838G	51.33	54.00	-2.67	30.69	3	Horizontal	87	1.62	-
PK	2.4574G	95.21	Inf	-Inf	30.61	3	Horizontal	87	1.62	-
PK	2.484G	67.05	74.00	-6.95	30.69	3	Horizontal	87	1.62	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

25/12/2018

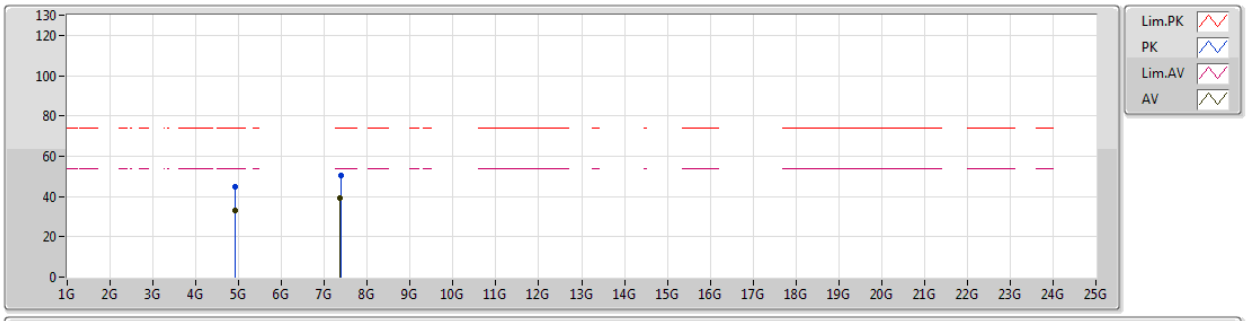


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.91932G	33.97	54.00	-20.03	6.09	3	Vertical	15	1.77	-
AV	7.371G	39.28	54.00	-14.72	11.37	3	Vertical	165	1.50	-
PK	4.92256G	44.93	74.00	-29.07	6.09	3	Vertical	15	1.77	-
PK	7.37736G	50.65	74.00	-23.35	11.40	3	Vertical	165	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

25/12/2018

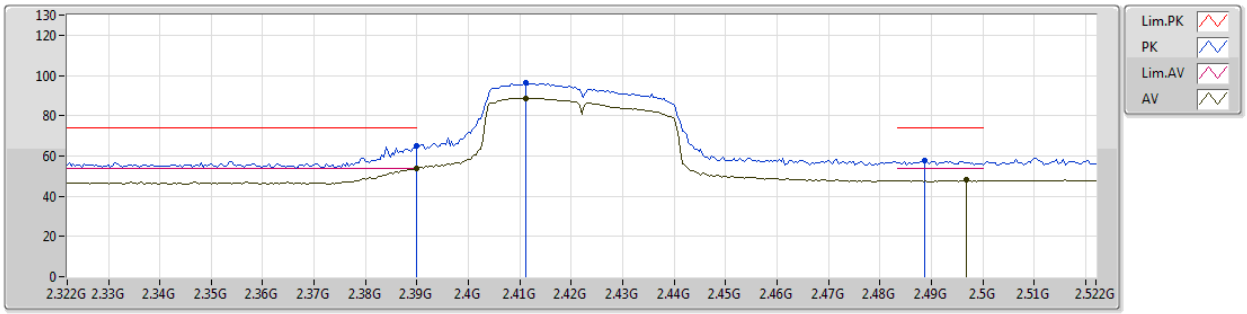


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92982G	33.25	54.00	-20.75	6.10	3	Horizontal	0	1.43	-
AV	7.37112G	39.02	54.00	-14.98	11.37	3	Horizontal	32	1.50	-
PK	4.92586G	45.04	74.00	-28.96	6.10	3	Horizontal	0	1.43	-
PK	7.37988G	50.37	74.00	-23.63	11.41	3	Horizontal	32	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

25/12/2018

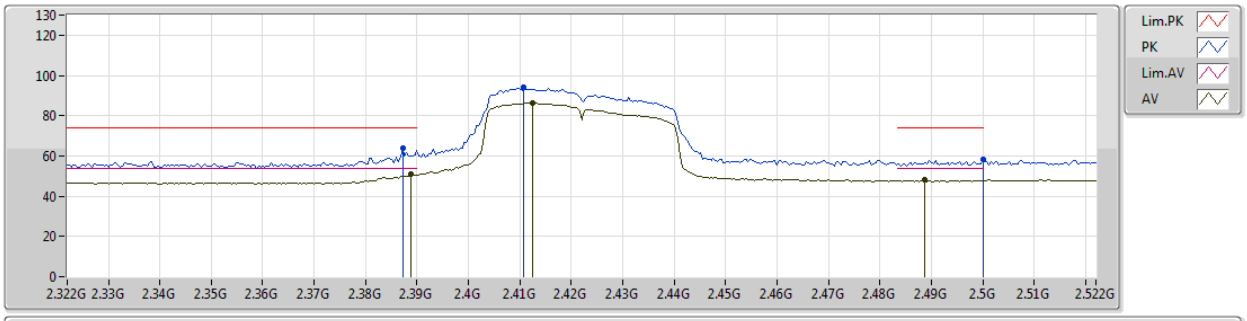


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.97	54.00	-0.03	30.38	3	Vertical	189	1.49	-
AV	2.4112G	88.78	Inf	-Inf	30.45	3	Vertical	189	1.49	-
AV	2.4968G	48.11	54.00	-5.89	30.74	3	Vertical	189	1.49	-
PK	2.39G	65.08	74.00	-8.92	30.38	3	Vertical	189	1.49	-
PK	2.4112G	96.16	Inf	-Inf	30.45	3	Vertical	189	1.49	-
PK	2.4888G	57.69	74.00	-16.31	30.71	3	Vertical	189	1.49	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

25/12/2018

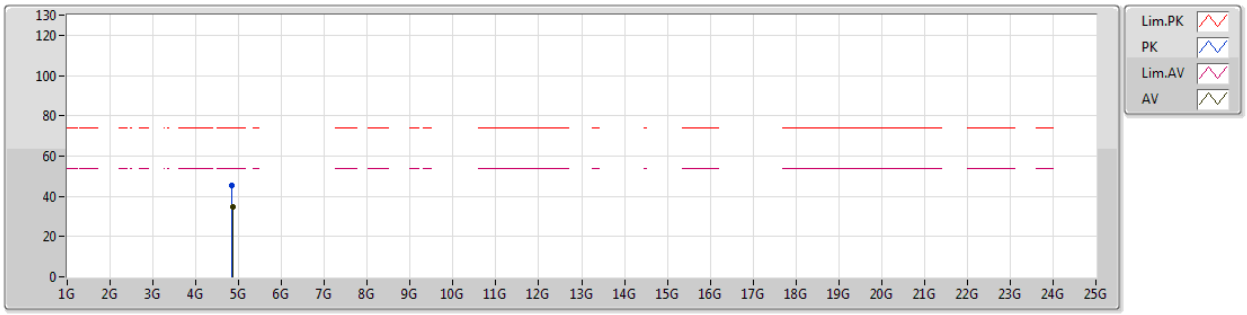


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3888G	50.76	54.00	-3.24	30.37	3	Horizontal	209	1.59	-
AV	2.4124G	86.33	Inf	-Inf	30.45	3	Horizontal	209	1.59	-
AV	2.4888G	48.08	54.00	-5.92	30.71	3	Horizontal	209	1.59	-
PK	2.3872G	63.70	74.00	-10.30	30.37	3	Horizontal	209	1.59	-
PK	2.4108G	94.22	Inf	-Inf	30.45	3	Horizontal	209	1.59	-
PK	2.5G	58.19	74.00	-15.81	30.75	3	Horizontal	209	1.59	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

26/12/2018

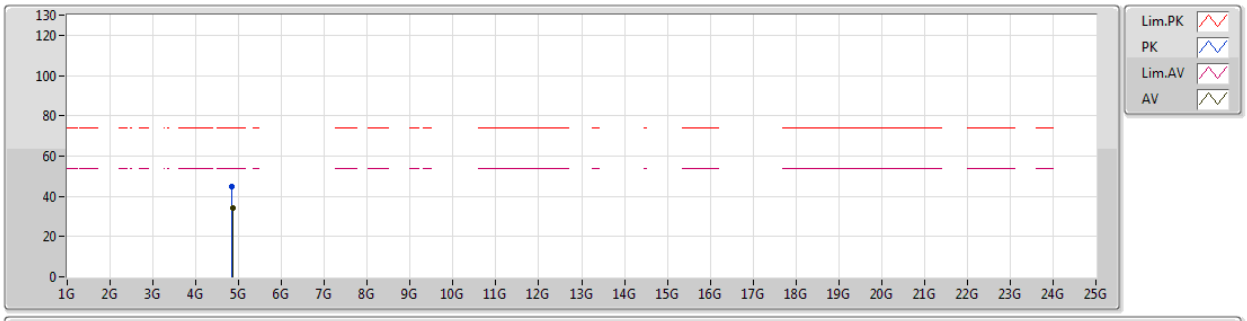


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.85864G	34.67	54.00	-19.33	5.97	3	Vertical	19	1.50	-
PK	4.85006G	45.44	74.00	-28.56	5.96	3	Vertical	19	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

26/12/2018

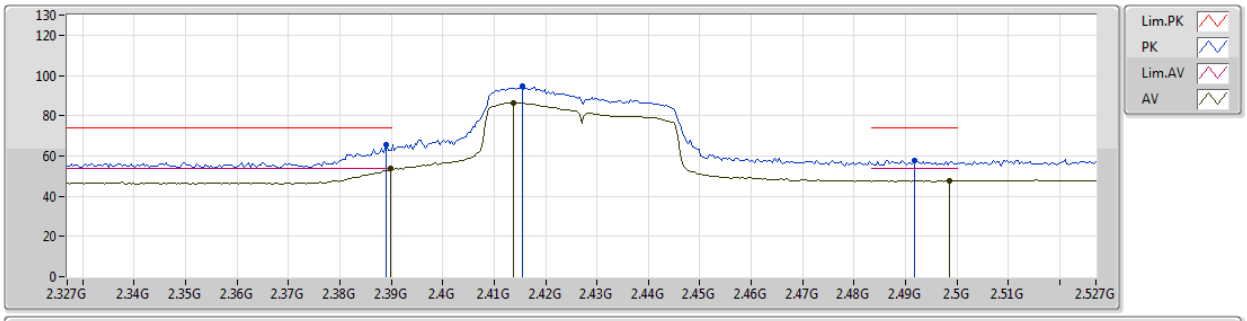


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.85804G	34.21	54.00	-19.79	5.97	3	Horizontal	187	1.48	-
PK	4.8494G	44.75	74.00	-29.25	5.94	3	Horizontal	187	1.48	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

27/12/2018

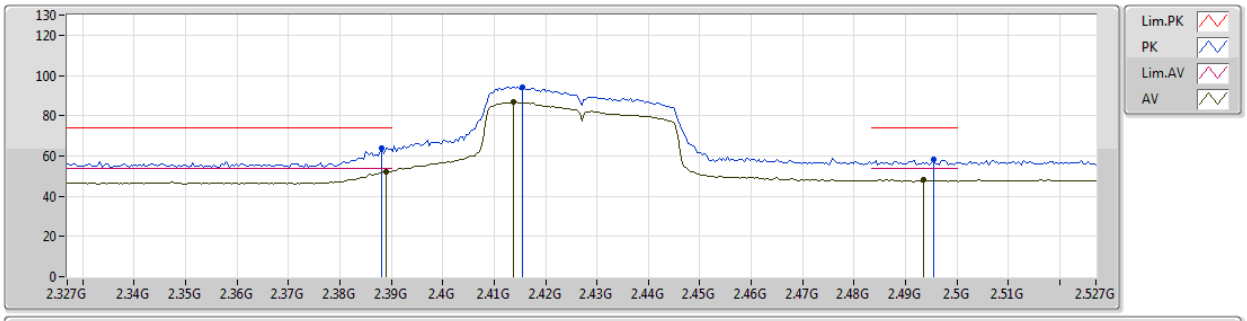


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.75	54.00	-0.25	30.38	3	Vertical	184	1.34	-
AV	2.4138G	86.53	Inf	-Inf	30.45	3	Vertical	184	1.34	-
AV	2.4986G	47.87	54.00	-6.13	30.75	3	Vertical	184	1.34	-
PK	2.389G	65.55	74.00	-8.45	30.37	3	Vertical	184	1.34	-
PK	2.4154G	94.69	Inf	-Inf	30.47	3	Vertical	184	1.34	-
PK	2.4918G	57.85	74.00	-16.15	30.72	3	Vertical	184	1.34	-

802.11n HT40_Nss1,(MCS0)_1TX

2427MHz_TX

27/12/2018

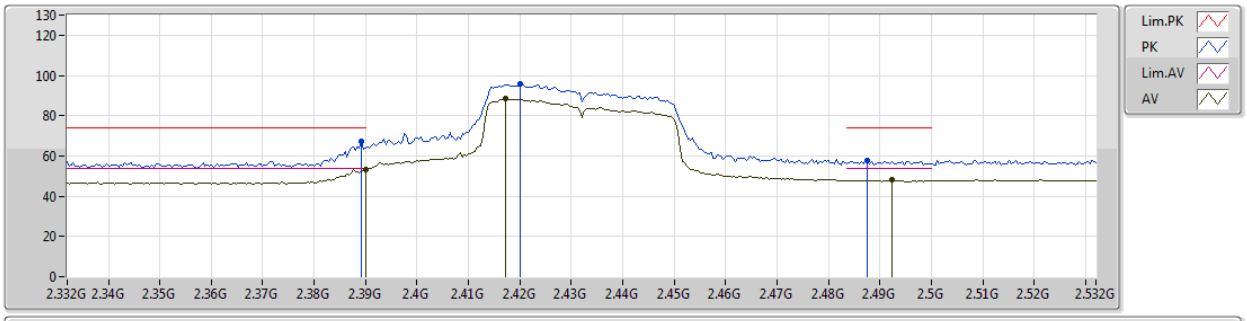


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	52.10	54.00	-1.90	30.37	3	Horizontal	103	2.12	-
AV	2.4138G	86.78	Inf	-Inf	30.45	3	Horizontal	103	2.12	-
AV	2.4934G	48.09	54.00	-5.91	30.72	3	Horizontal	103	2.12	-
PK	2.3882G	63.68	74.00	-10.32	30.37	3	Horizontal	103	2.12	-
PK	2.4154G	94.29	Inf	-Inf	30.47	3	Horizontal	103	2.12	-
PK	2.4954G	58.18	74.00	-15.82	30.74	3	Horizontal	103	2.12	-

802.11n HT40_Nss1,(MCS0)_1TX

2432MHz_TX

27/12/2018

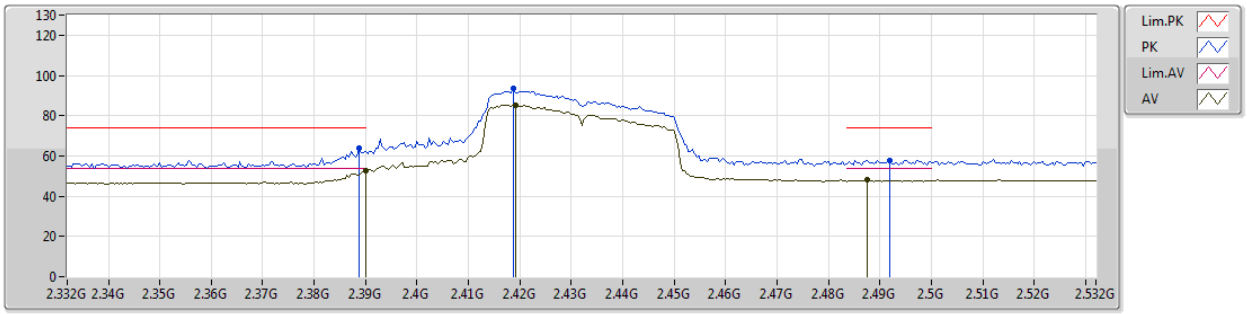


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.40	54.00	-0.60	30.38	3	Vertical	196	1.55	-
AV	2.4172G	88.35	Inf	-Inf	30.47	3	Vertical	196	1.55	-
AV	2.4924G	48.09	54.00	-5.91	30.72	3	Vertical	196	1.55	-
PK	2.3892G	67.13	74.00	-6.87	30.37	3	Vertical	196	1.55	-
PK	2.42G	95.91	Inf	-Inf	30.48	3	Vertical	196	1.55	-
PK	2.4876G	57.53	74.00	-16.47	30.71	3	Vertical	196	1.55	-

802.11n HT40_Nss1,(MCS0)_1TX

2432MHz_TX

27/12/2018

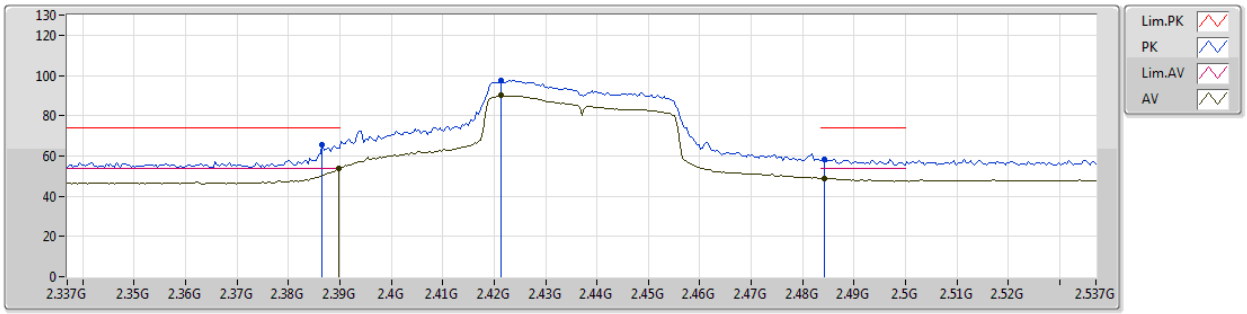


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	52.78	54.00	-1.22	30.38	3	Horizontal	167	1.13	-
AV	2.4192G	85.24	Inf	-Inf	30.48	3	Horizontal	167	1.13	-
AV	2.4876G	48.32	54.00	-5.68	30.71	3	Horizontal	167	1.13	-
PK	2.3888G	64.03	74.00	-9.97	30.37	3	Horizontal	167	1.13	-
PK	2.4188G	93.30	Inf	-Inf	30.48	3	Horizontal	167	1.13	-
PK	2.492G	57.93	74.00	-16.07	30.72	3	Horizontal	167	1.13	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

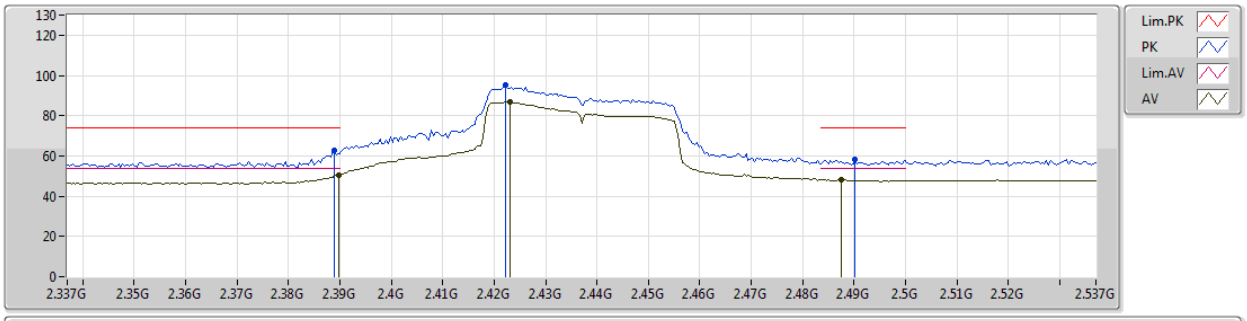


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.75	54.00	-0.25	30.38	3	Vertical	187	1.81	-
AV	2.4214G	89.99	Inf	-Inf	30.48	3	Vertical	187	1.81	-
AV	2.4842G	49.00	54.00	-5.00	30.69	3	Vertical	187	1.81	-
PK	2.3866G	65.33	74.00	-8.67	30.37	3	Vertical	187	1.81	-
PK	2.4214G	97.67	Inf	-Inf	30.48	3	Vertical	187	1.81	-
PK	2.4842G	58.49	74.00	-15.51	30.69	3	Vertical	187	1.81	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

25/12/2018

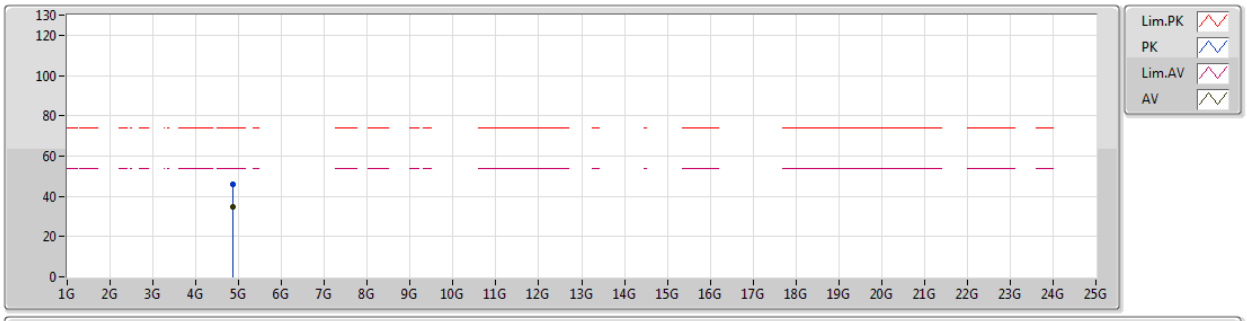


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.62	54.00	-3.38	30.38	3	Horizontal	211	1.61	-
AV	2.423G	86.62	Inf	-Inf	30.49	3	Horizontal	211	1.61	-
AV	2.4874G	48.32	54.00	-5.68	30.71	3	Horizontal	211	1.61	-
PK	2.389G	62.78	74.00	-11.22	30.37	3	Horizontal	211	1.61	-
PK	2.4222G	95.39	Inf	-Inf	30.48	3	Horizontal	211	1.61	-
PK	2.4902G	58.16	74.00	-15.84	30.72	3	Horizontal	211	1.61	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

26/12/2018

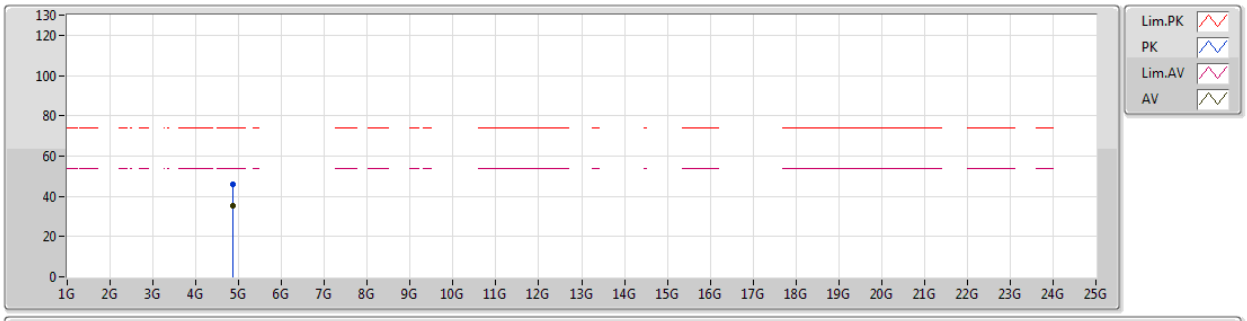


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.86434G	34.51	54.00	-19.49	5.98	3	Vertical	354	1.02	-
PK	4.87466G	45.70	74.00	-28.30	6.00	3	Vertical	354	1.02	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

26/12/2018

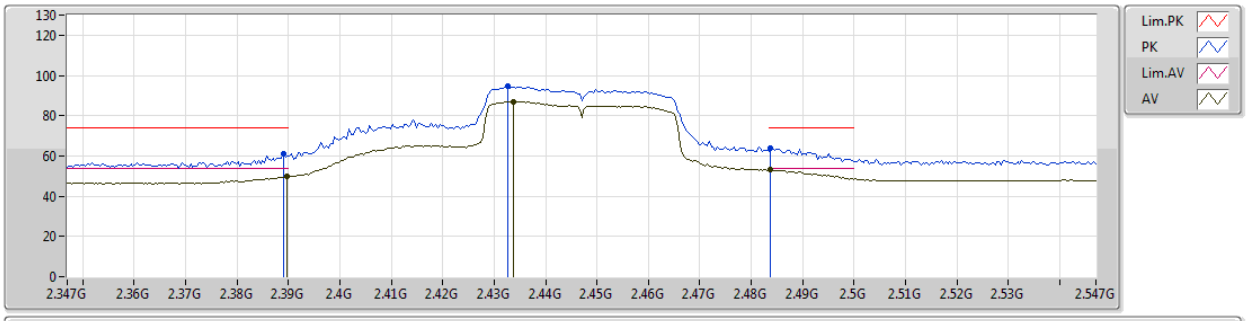


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87286G	35.18	54.00	-18.82	6.00	3	Horizontal	187	1.48	-
PK	4.86986G	45.93	74.00	-28.07	5.99	3	Horizontal	187	1.48	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

27/12/2018

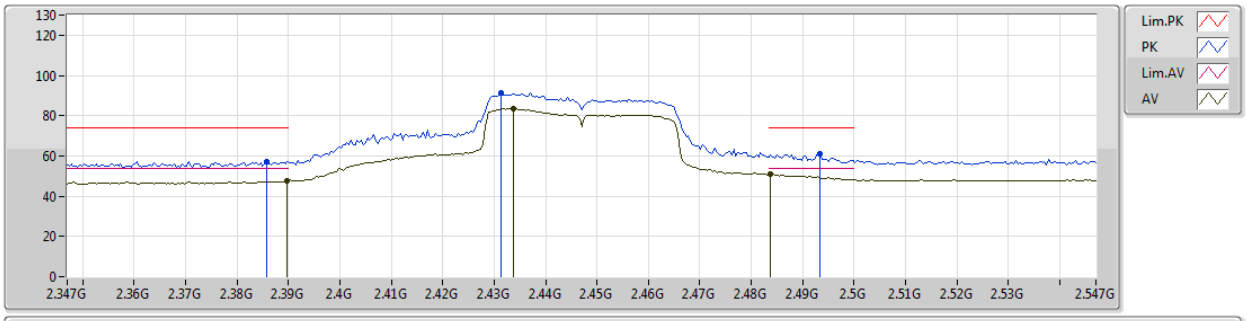


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	49.76	54.00	-4.24	30.38	3	Vertical	194	1.50	-
AV	2.4338G	87.13	Inf	-Inf	30.52	3	Vertical	194	1.50	-
AV	2.4838G	53.02	54.00	-0.98	30.69	3	Vertical	194	1.50	-
PK	2.389G	60.90	74.00	-13.10	30.37	3	Vertical	194	1.50	-
PK	2.4326G	94.47	Inf	-Inf	30.52	3	Vertical	194	1.50	-
PK	2.4838G	63.92	74.00	-10.08	30.69	3	Vertical	194	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2447MHz_TX

27/12/2018

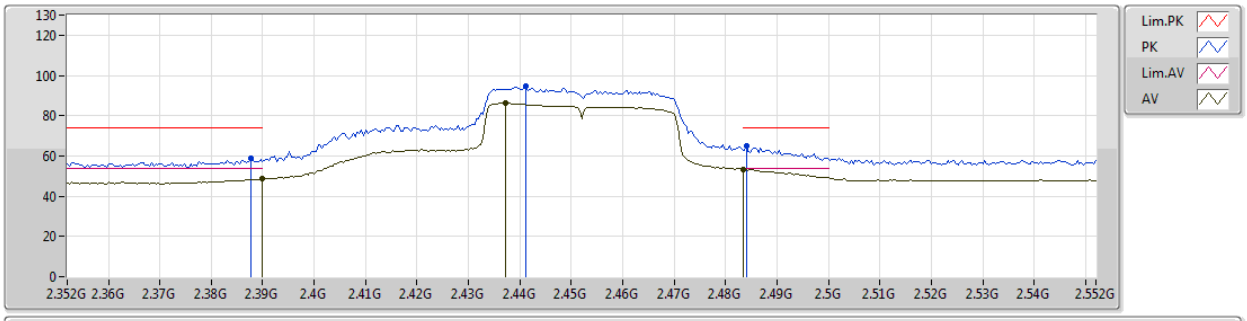


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	47.49	54.00	-6.51	30.38	3	Horizontal	86	1.47	-
AV	2.4338G	83.41	Inf	-Inf	30.52	3	Horizontal	86	1.47	-
AV	2.4838G	51.15	54.00	-2.85	30.69	3	Horizontal	86	1.47	-
PK	2.3858G	57.24	74.00	-16.76	30.37	3	Horizontal	86	1.47	-
PK	2.4314G	91.26	Inf	-Inf	30.52	3	Horizontal	86	1.47	-
PK	2.4934G	61.30	74.00	-12.70	30.72	3	Horizontal	86	1.47	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

25/12/2018

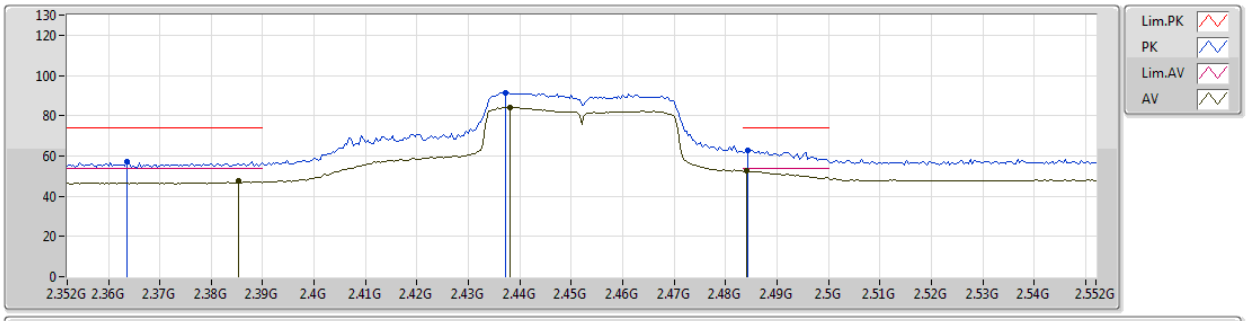


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	48.60	54.00	-5.40	30.38	3	Vertical	188	1.72	-
AV	2.4372G	86.32	Inf	-Inf	30.54	3	Vertical	188	1.72	-
AV	2.4835G	53.30	54.00	-0.70	30.69	3	Vertical	188	1.72	-
PK	2.3876G	58.73	74.00	-15.27	30.37	3	Vertical	188	1.72	-
PK	2.4412G	94.70	Inf	-Inf	30.55	3	Vertical	188	1.72	-
PK	2.484G	64.79	74.00	-9.21	30.69	3	Vertical	188	1.72	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

25/12/2018

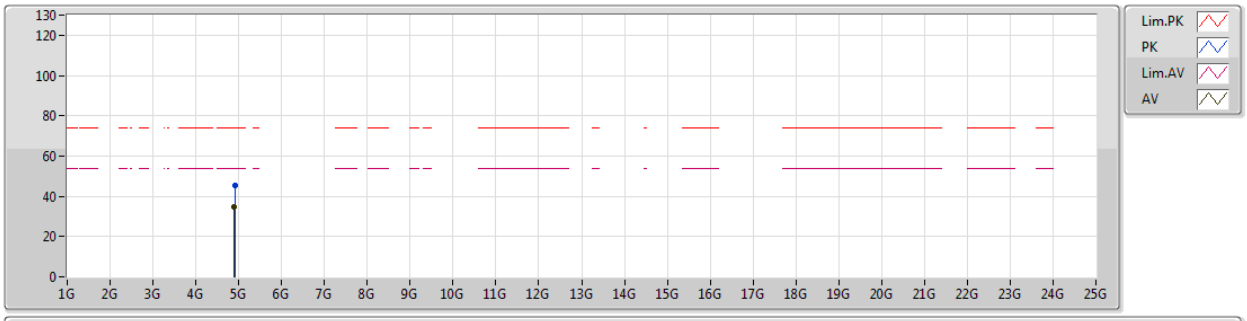


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3852G	47.42	54.00	-6.58	30.36	3	Horizontal	86	1.25	-
AV	2.438G	84.01	Inf	-Inf	30.54	3	Horizontal	86	1.25	-
AV	2.484G	52.74	54.00	-1.26	30.69	3	Horizontal	86	1.25	-
PK	2.3636G	56.93	74.00	-17.07	30.29	3	Horizontal	86	1.25	-
PK	2.4372G	91.52	Inf	-Inf	30.54	3	Horizontal	86	1.25	-
PK	2.4844G	62.74	74.00	-11.26	30.69	3	Horizontal	86	1.25	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

26/12/2018

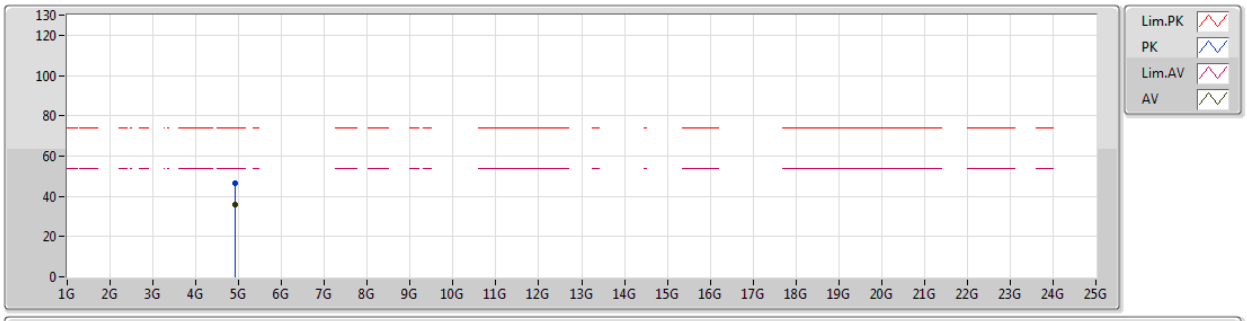


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90358G	34.80	54.00	-19.20	6.06	3	Vertical	161	1.45	-
PK	4.90964G	45.15	74.00	-28.85	6.06	3	Vertical	161	1.45	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

26/12/2018



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.90742G	35.79	54.00	-18.21	6.06	3	Horizontal	191	1.49	-
PK	4.9112G	46.60	74.00	-27.40	6.08	3	Horizontal	191	1.49	-