FCC Test Report

FCC ID	:	**SWX-UVCG3B**
Equipment	:	**UniFi PROTECT**
Brand Name	:	**UBIQUITI**
Model Name	:	**UVC-G3-BATTERY**
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. 21, 2018, and testing was started from May 19, 2019 and completed on Jun. 27, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR562424-04AC	01	Initial issue of report	Jul. 17, 2019

Summary of Test Result

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

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

Reviewed by: Jackson Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	-	-	internal antenna	i-Pex

Ant.	Port	Gain (dBi)		
		2.4G	BT	5G
1	1	3	3	2.5

For 2.4GHz function:

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

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

For BT function:

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

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

For 5GHz function:

For IEEE 802.11 a/n mode (1TX/1RX)

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From Host System			
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	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.934	0.3	1.399m	1k
802.11n HT20	0.929	0.32	1.311m	1k

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

1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-HY	Tim	22~24°C / 61~65%	26/Jun/2019~27/Jun/2019
Radiated	03CH01-HY	Edward	25.2~28.3°C / 61.8~69.1%	19/May/2019~25/Jun/2019
AC Conduction	CO04-HY	Jeff	21.8~23.5°C / 51.8~52.9%	26/Jun/2019

1.4 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.54 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	1.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%
Temperature	0.7 ℃	Confidence levels of 95%
Humidity	4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	3.64V

2.2 Test Channel Mode

Test Software	DoS

2.3 The Worst Case Measurement Configuration

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

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

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

2.4 Accessories and Support Equipment

Accessories				
Battery	Brand Name	-	Model Name	18650-4P
	Power Rating	3.64Vdc,11800mAh	Type	Li-ion
Type C USB Cable	Signal Line	2.0 meter, non-shielded cable, without ferrite core		

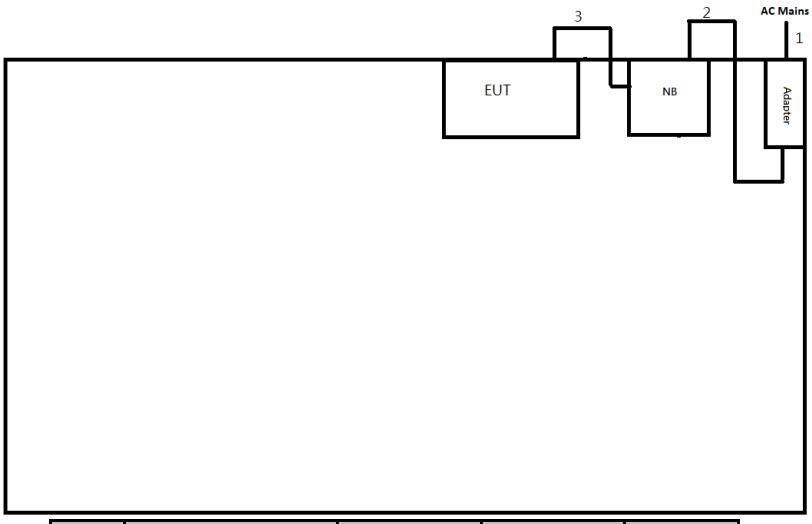
Reminder: Regarding to more detail and other information, please refer to user manual.

Support Equipment – AC Conduction and Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E4300	DoC
2	AC Adapter for NB	Dell	LA90PM111	DoC

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

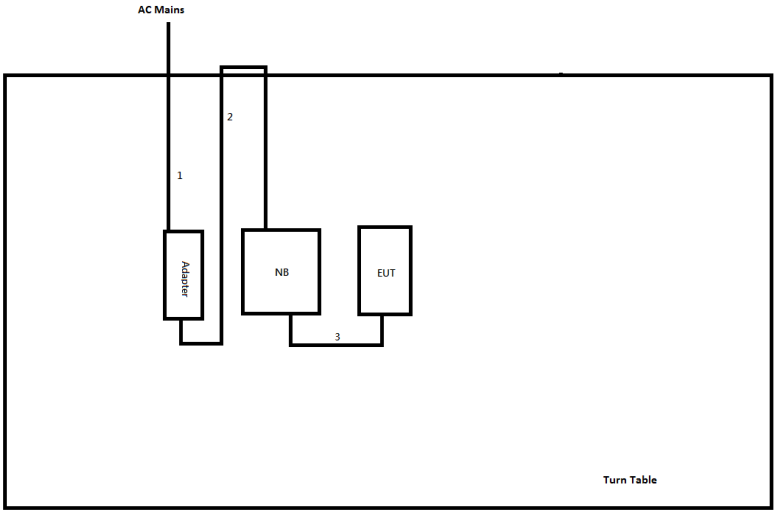
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	2.0	-
2	DC Power line	No	1.0	-
3	USB cable	No	0.35	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power line	No	2.0	-
2	DC Power line	No	1.0	-
3	USB cable	No	0.35	-

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

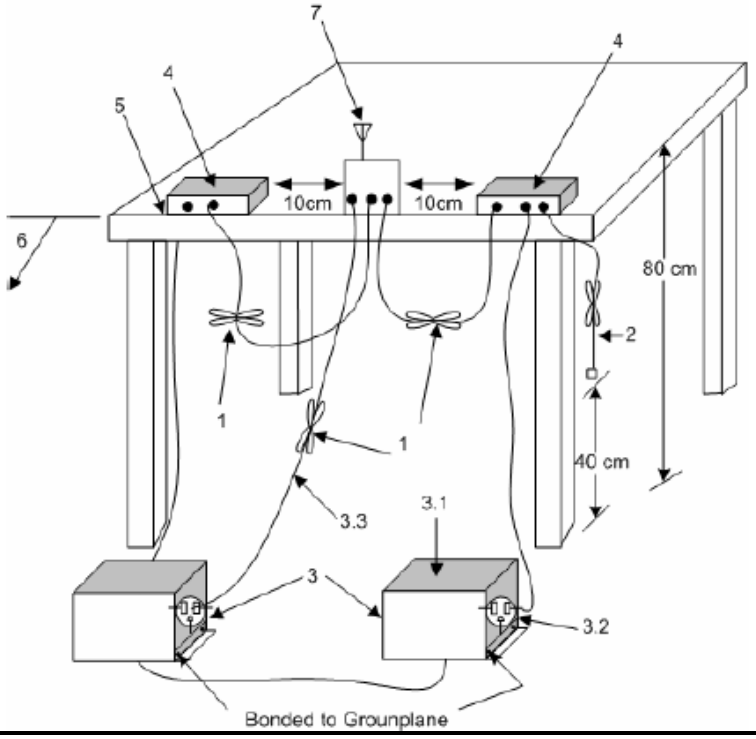
Refer a test equipment and calibration data table in this test report.

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.

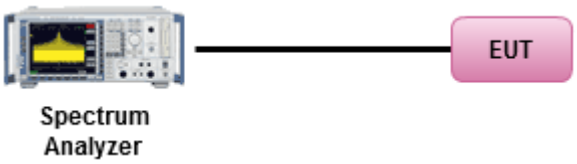
3.2.2 Measuring Instruments

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

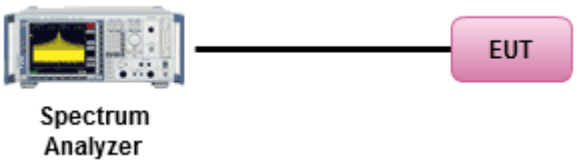
3.4.2 Measuring Instruments

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 level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.	

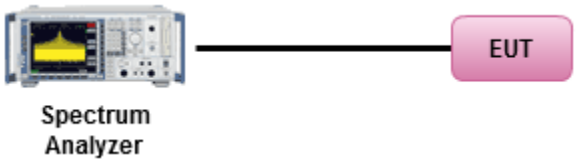
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

3.6.2 Measuring Instruments

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

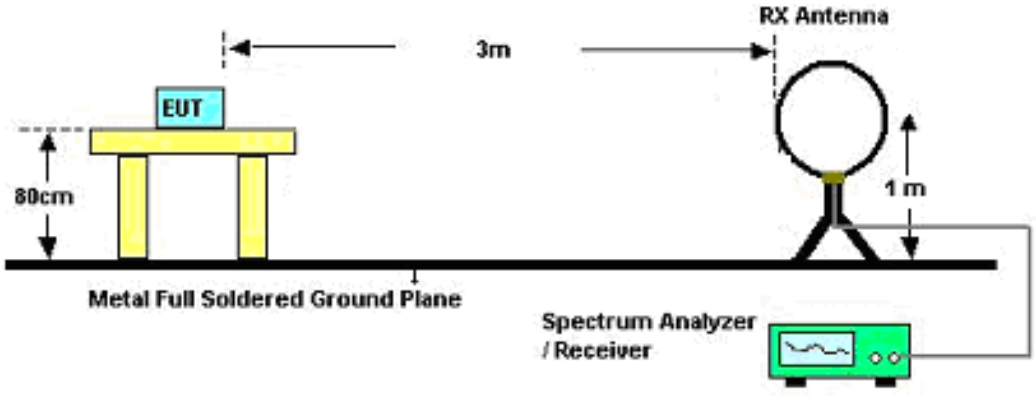
3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as KDB 558074 clause 8.7.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
▪ Use the following spectrum analyzer settings:	
	▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.

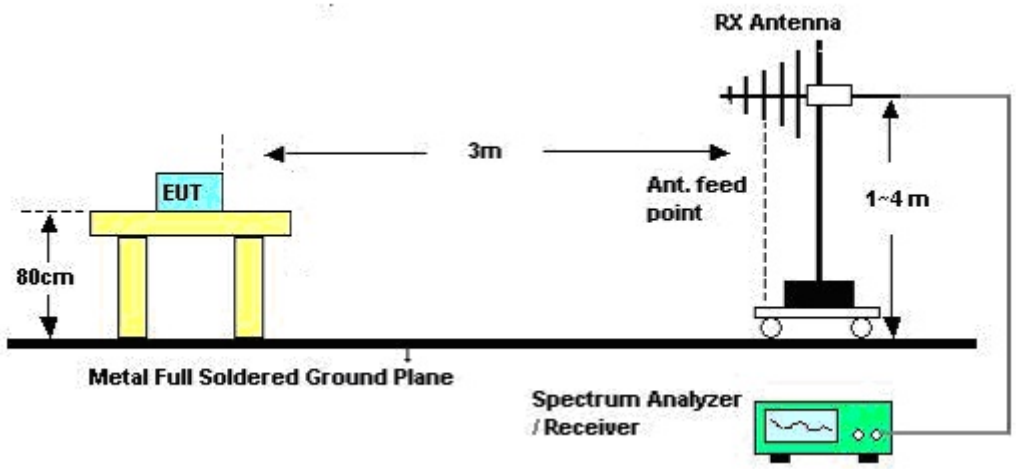
3.6.4 Test Setup

Emissions in Restricted Frequency Bands

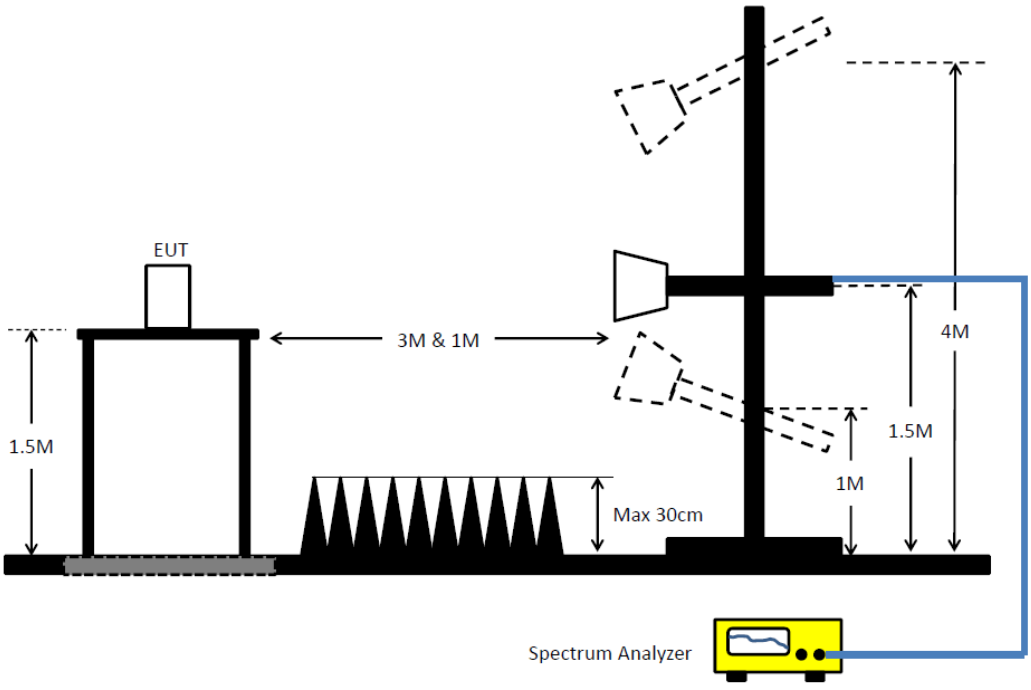
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	08/Nov/2018	07/Nov/2019
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	17/Sep/2018	16/Sep/2019
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	12/Oct/2018	11/Oct/2019

NCR : Non-Calibration Require

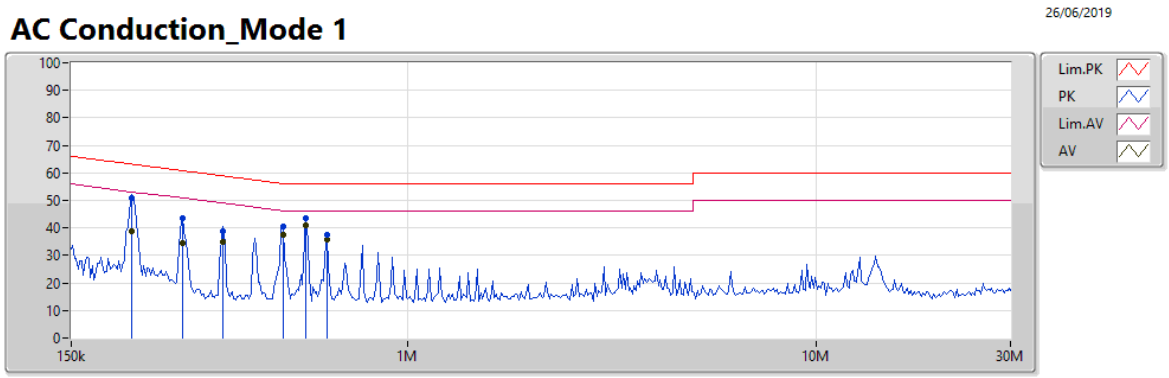
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	Riken	SAC-3M	03CH01-HY	30MHz ~ 1GHz 3m	11/Jan/2019	10/Jan/2020
3m Semi Anechoic Chamber	Riken	SAC-3M	03CH01-HY	1GHz ~ 18GHz 3m	09/Jan/2019	08/Jan/2020
PreAmplifier	COM-POWER	PA-103	161050	1 MHz ~ 1.0GHz	24/Jul/2018	23/Jul/2019
Microwave Preamplifier	Agilent	8449B	3008A02602	1GHz ~ 26.5GHz	27/Mar/2019	26/Mar/2020
Spectrum Analyzer	R&S	FSV40	101407	10Hz ~ 40GHz	16/Aug/2018	15/Aug/2019
RF Cable-R03m	Jye Bao	RG142	CB019	9kHz ~ 1GHz	14/Dec/2018	13/Dec/2019
RF Cable-high	SUHNER	SUCOFLEX 104	SN805196/4+MY39495	1 GHz ~ 18 GHz	13/Mar/2019	12/Mar/2020
Bilog Antenna & 5db Attenuator	SCHAFFNER/MTJ	CBL6112D / MTJ6102-05	2678 / 001	30MHz ~ 2GHz	07/Jul/2018	06/Jul/2019
EMI Test Receiver	R&S	ESU-26	100422	20Hz ~ 26.5GHz	25/Oct/2018	24/Oct/2019
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170339	18GHz ~ 40GHz	19/Apr/2019	18/Apr/2020
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D-1130	1GHz ~ 18GHz	26/Oct/2018	25/Oct/2019

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	10Hz~40GHz	18/Jul/2018	17/Jul/2019
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	17/Nov/2018	16/Nov/2019
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.2m	HUBER	MY10711/4	RF Cable - 02	30MHz ~18G	10/Jan/2019	09/Jan/2020
Cable 0.5m	HUBER	MY39470/4	RF Cable - 29	30MHz ~18G	10/Jan/2019	09/Jan/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	10/Nov/2020

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

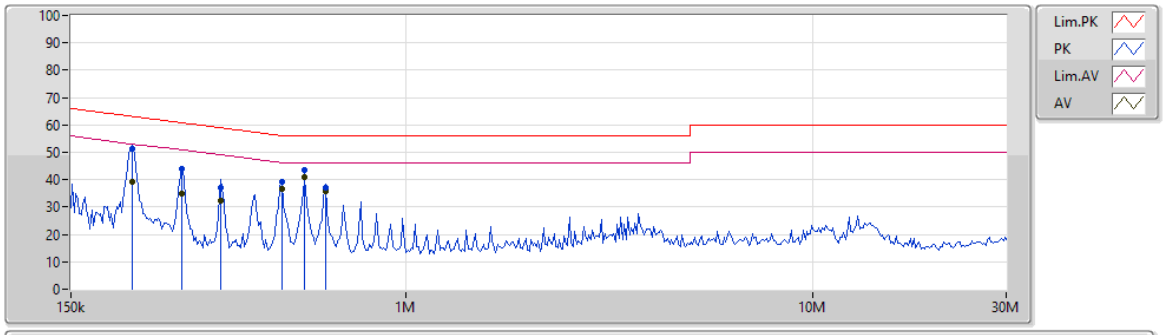


Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	210.387k	51.03	63.19	-12.16	19.47	Neutral	-	31.56	9.59	0.01	9.87
AV	210.387k	38.97	53.19	-14.22	19.47	Neutral	-	19.50	9.59	0.01	9.87
QP	280.762k	43.44	60.80	-17.36	19.47	Neutral	-	23.97	9.59	0.01	9.87
AV	280.762k	34.42	50.80	-16.38	19.47	Neutral	-	14.95	9.59	0.01	9.87
QP	352.963k	38.65	58.89	-20.24	19.48	Neutral	-	19.17	9.59	0.01	9.88
AV	352.963k	34.78	48.89	-14.11	19.48	Neutral	-	15.30	9.59	0.01	9.88
QP	495.058k	40.73	56.08	-15.35	19.48	Neutral	-	21.25	9.59	0.01	9.88
AV	495.058k	37.68	46.08	-8.40	19.48	Neutral	-	18.20	9.59	0.01	9.88
QP	563.422k	43.71	56.00	-12.29	19.48	Neutral	-	24.23	9.59	0.01	9.88
AV	563.422k	41.06	46.00	-4.94	19.48	Neutral	"Worst"	21.58	9.59	0.01	9.88
QP	634.878k	37.47	56.00	-18.53	19.48	Neutral	-	17.99	9.59	0.01	9.88
AV	634.878k	35.90	46.00	-10.10	19.48	Neutral	-	16.42	9.59	0.01	9.88

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

AC Conduction_Mode 1

26/06/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	212.49k	51.22	63.11	-11.89	19.48	Line	-	31.74	9.60	0.01	9.87
AV	212.49k	39.42	53.11	-13.69	19.48	Line	-	19.94	9.60	0.01	9.87
QP	280.762k	44.08	60.80	-16.72	19.48	Line	-	24.60	9.60	0.01	9.87
AV	280.762k	35.08	50.80	-15.72	19.48	Line	-	15.60	9.60	0.01	9.87
QP	349.468k	37.19	58.98	-21.79	19.48	Line	-	17.71	9.59	0.01	9.88
AV	349.468k	32.24	48.98	-16.74	19.48	Line	-	12.76	9.59	0.01	9.88
QP	495.058k	39.28	56.08	-16.80	19.48	Line	-	19.80	9.59	0.01	9.88
AV	495.058k	36.83	46.08	-9.25	19.48	Line	-	17.35	9.59	0.01	9.88
QP	563.422k	43.63	56.00	-12.37	19.48	Line	-	24.15	9.59	0.01	9.88
AV	563.422k	40.90	46.00	-5.10	19.48	Line	"Worst"	21.42	9.59	0.01	9.88
QP	634.878k	37.22	56.00	-18.78	19.49	Line	-	17.73	9.60	0.01	9.88
AV	634.878k	35.95	46.00	-10.05	19.49	Line	-	16.46	9.60	0.01	9.88

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	8.075M	12.544M	12M5G1D	8.025M	12.494M
802.11g_Nss1,(6Mbps)_1TX	15.1M	16.567M	16M6D1D	15.075M	16.492M
802.11n HT20_Nss1,(MCS0)_1TX	15.125M	17.641M	17M6D1D	15M	17.566M

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

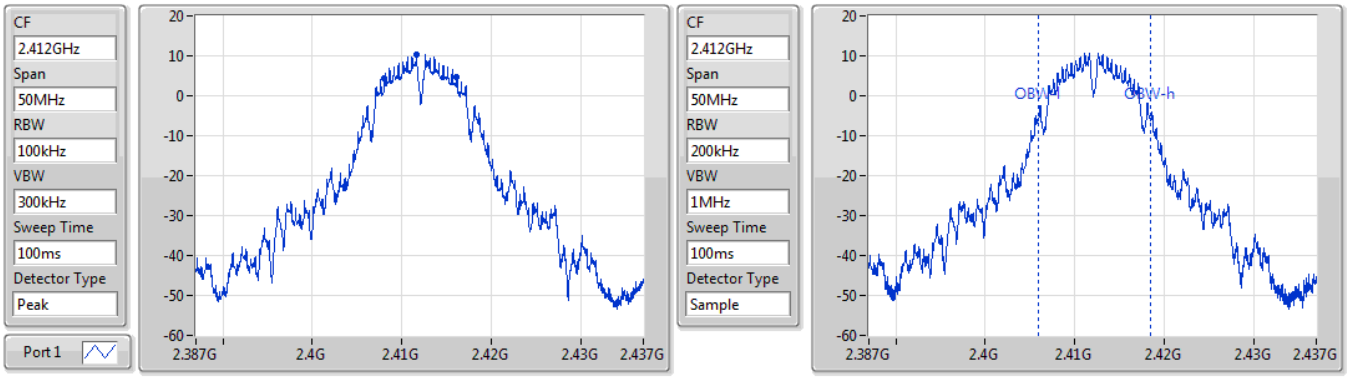
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.075M	12.494M
2437MHz	Pass	500k	8.025M	12.544M
2462MHz	Pass	500k	8.05M	12.519M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.075M	16.517M
2437MHz	Pass	500k	15.1M	16.567M
2462MHz	Pass	500k	15.075M	16.492M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	15.075M	17.591M
2437MHz	Pass	500k	15M	17.641M
2462MHz	Pass	500k	15.125M	17.566M

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

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

26/06/2019

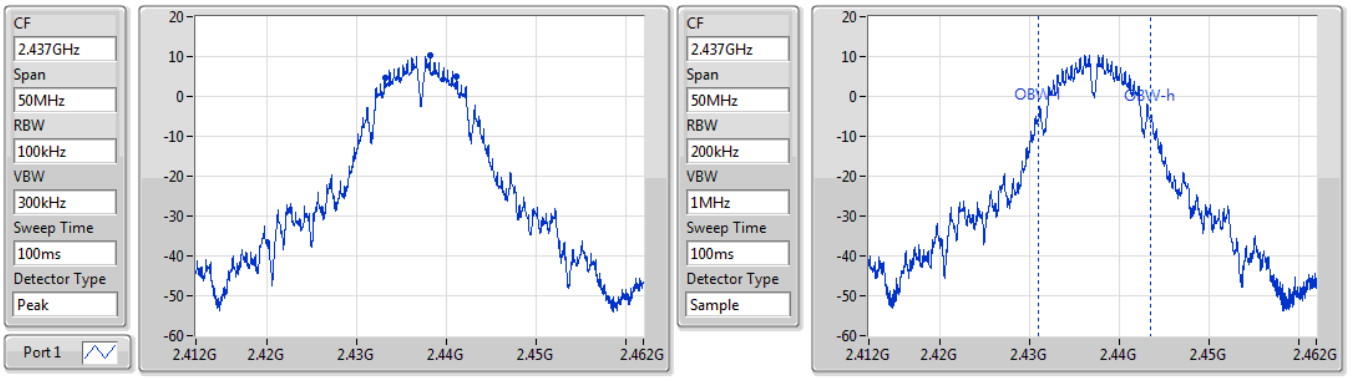


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.4081G	2.416175G	12.494M	2.405953G	2.418447G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

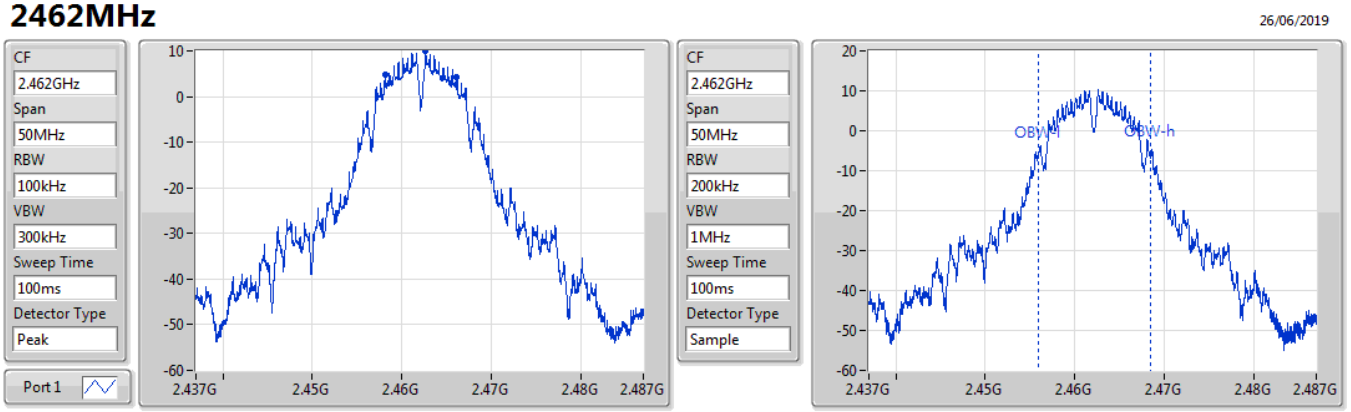
26/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.433125G	2.44115G	12.544M	2.430903G	2.443447G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

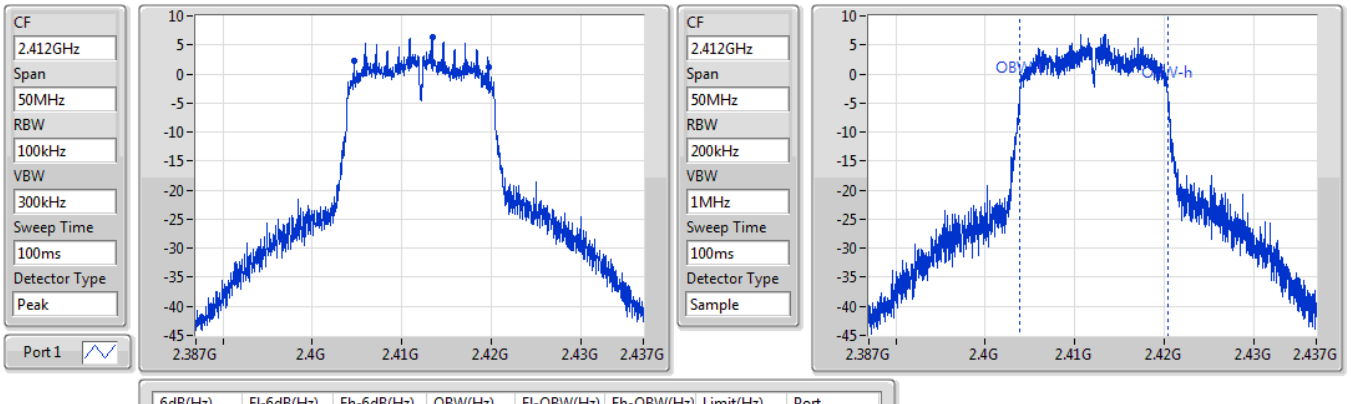
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.458125G	2.466175G	12.519M	2.455928G	2.468447G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

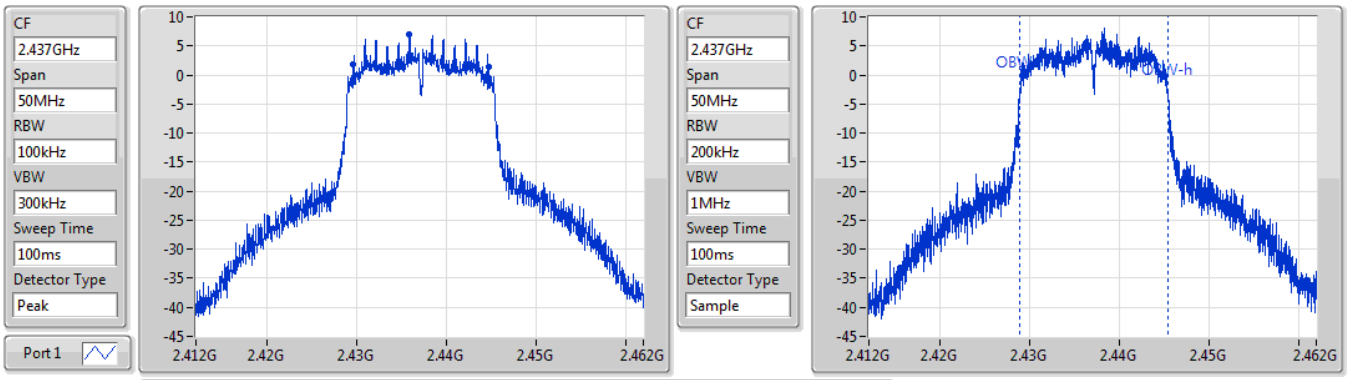


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.404625G	2.4197G	16.517M	2.403904G	2.420421G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

26/06/2019

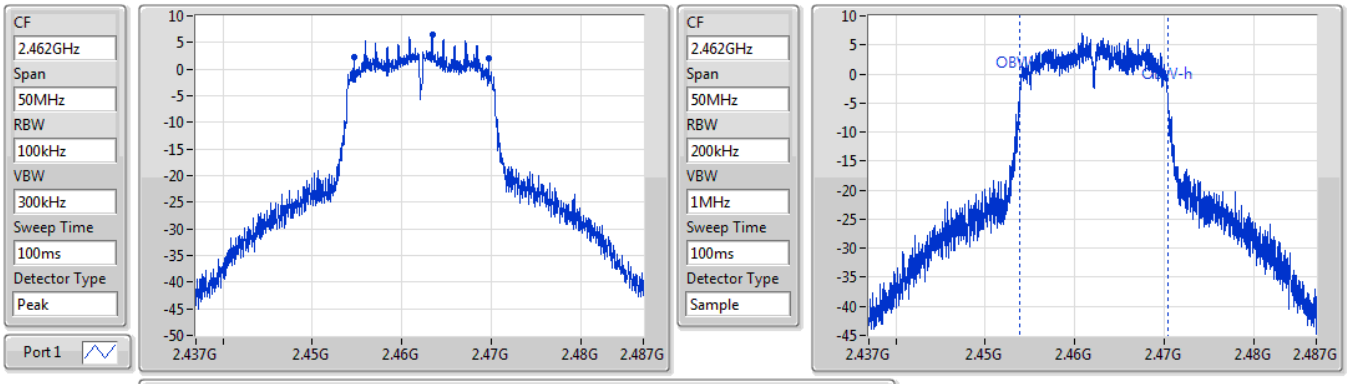


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.1M	2.4296G	2.4447G	16.567M	2.428879G	2.445446G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

26/06/2019

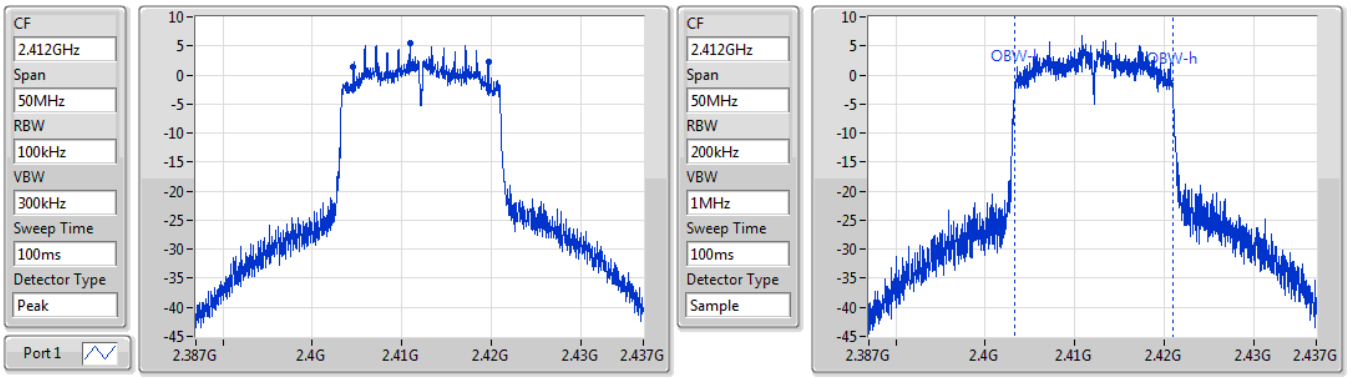


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.454625G	2.4697G	16.492M	2.453904G	2.470396G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2412MHz

26/06/2019

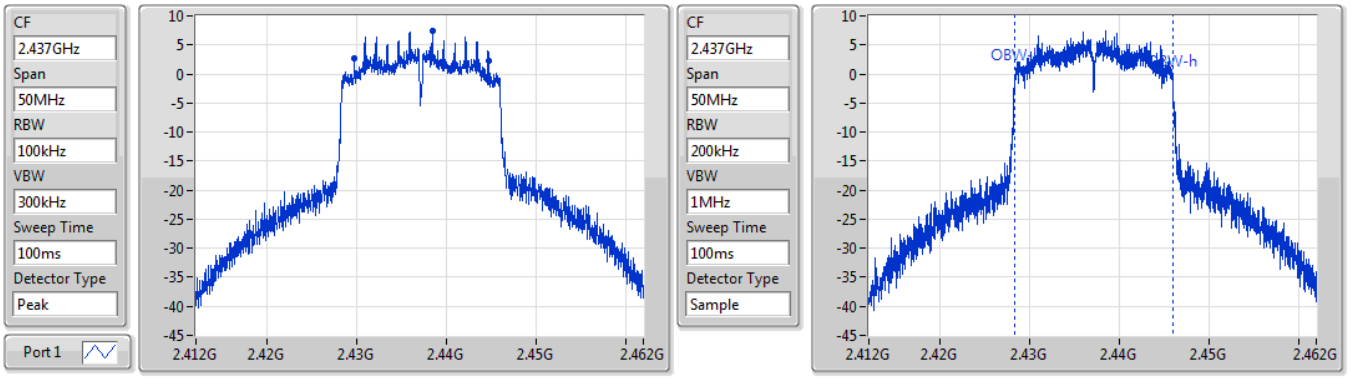


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.4046G	2.419675G	17.591M	2.403329G	2.420921G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

2437MHz

26/06/2019



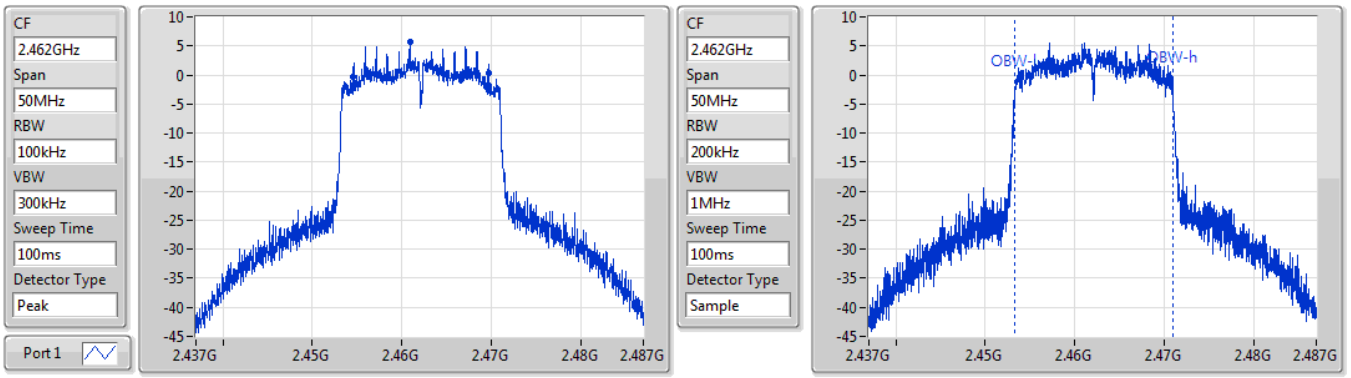
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4297G	2.4447G	17.641M	2.428329G	2.445971G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX

EBW

2462MHz

26/06/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.125M	2.454575G	2.4697G	17.566M	2.453354G	2.470921G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	18.62	0.07278
802.11g_Nss1,(6Mbps)_1TX	17.38	0.05470
802.11n HT20_Nss1,(MCS0)_1TX	17.49	0.05610

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	18.62	18.62	30.00
2437MHz	Pass	3.00	18.25	18.25	30.00
2462MHz	Pass	3.00	18.01	18.01	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	16.62	16.62	30.00
2417MHz	Pass	3.00	17.38	17.38	30.00
2437MHz	Pass	3.00	17.30	17.30	30.00
2457MHz	Pass	3.00	17.15	17.15	30.00
2462MHz	Pass	3.00	15.88	15.88	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	16.27	16.27	30.00
2417MHz	Pass	3.00	17.49	17.49	30.00
2437MHz	Pass	3.00	17.41	17.41	30.00
2457MHz	Pass	3.00	17.12	17.12	30.00
2462MHz	Pass	3.00	16.09	16.09	30.00

DG = Directional Gain; **Port X** = Port X output power

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	-3.83
802.11g_Nss1,(6Mbps)_1TX	-6.48
802.11n HT20_Nss1,(MCS0)_1TX	-6.95

RBW=3 kHz.

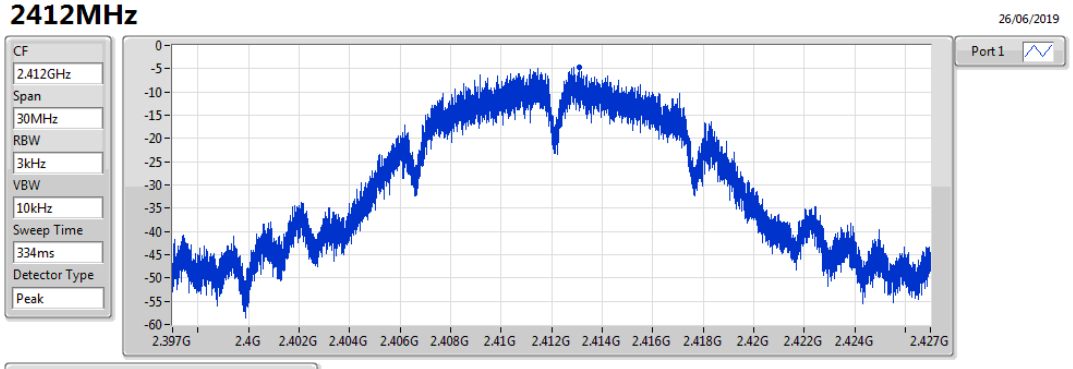
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	-4.67	-4.67	8.00
2437MHz	Pass	3.00	-4.51	-4.51	8.00
2462MHz	Pass	3.00	-3.83	-3.83	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	-7.93	-7.93	8.00
2437MHz	Pass	3.00	-6.48	-6.48	8.00
2462MHz	Pass	3.00	-8.23	-8.23	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	3.00	-8.71	-8.71	8.00
2437MHz	Pass	3.00	-6.95	-6.95	8.00
2462MHz	Pass	3.00	-8.24	-8.24	8.00

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

802.11b_Nss1,(1Mbps)_1TX PSD

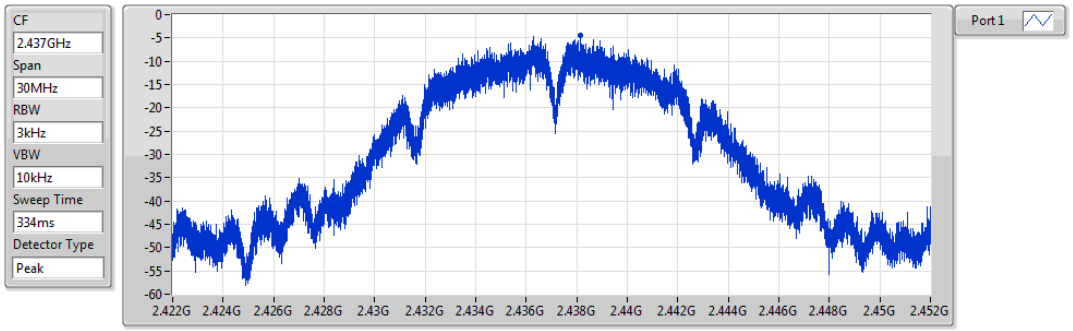
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.67	-4.67	-4.67

802.11b_Nss1,(1Mbps)_1TX PSD

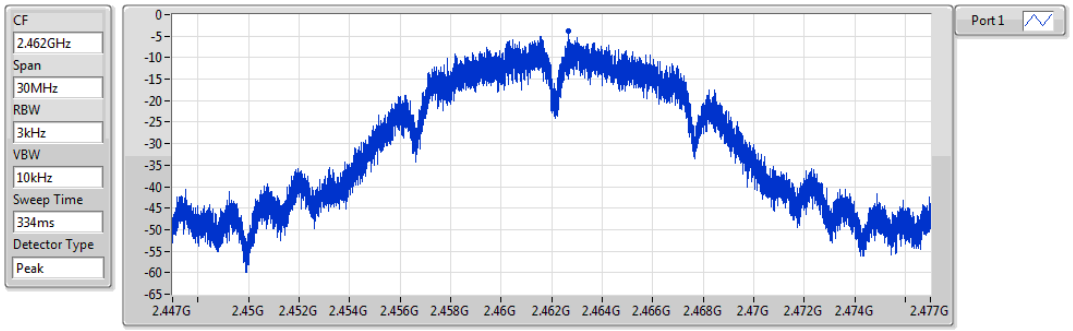
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.51	-4.51	-4.51

802.11b_Nss1,(1Mbps)_1TX PSD

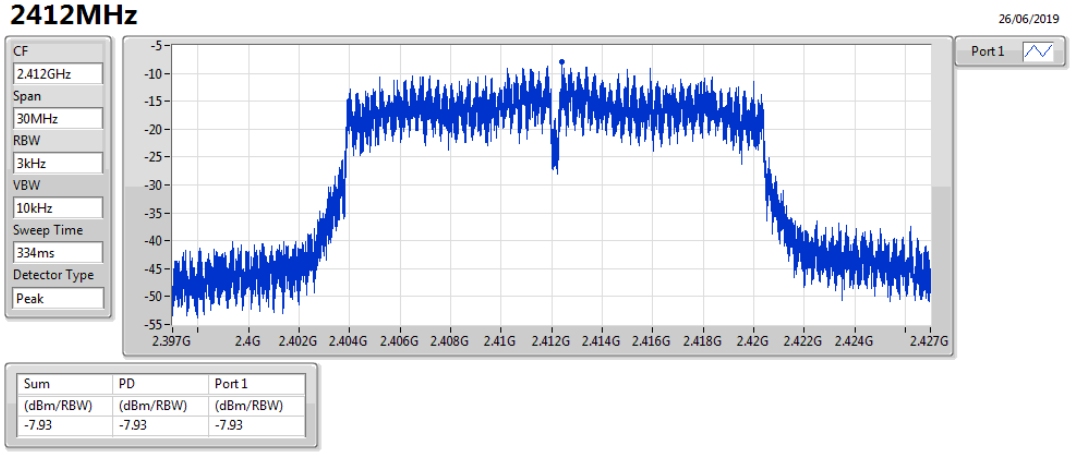
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.83	-3.83	-3.83

802.11g_Nss1,(6Mbps)_1TX PSD

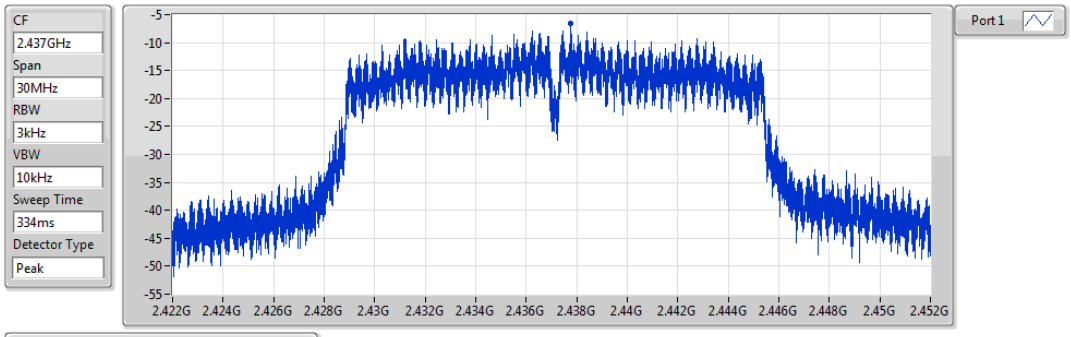
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-7.93

802.11g_Nss1,(6Mbps)_1TX PSD

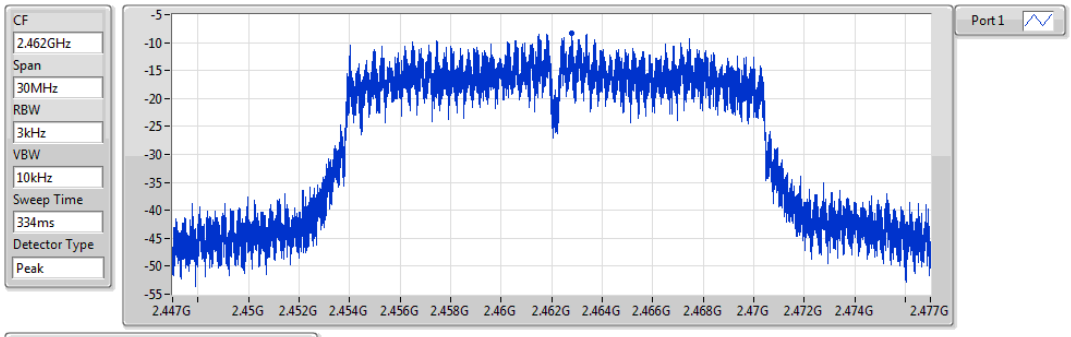
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.48	-6.48	-6.48

802.11g_Nss1,(6Mbps)_1TX PSD

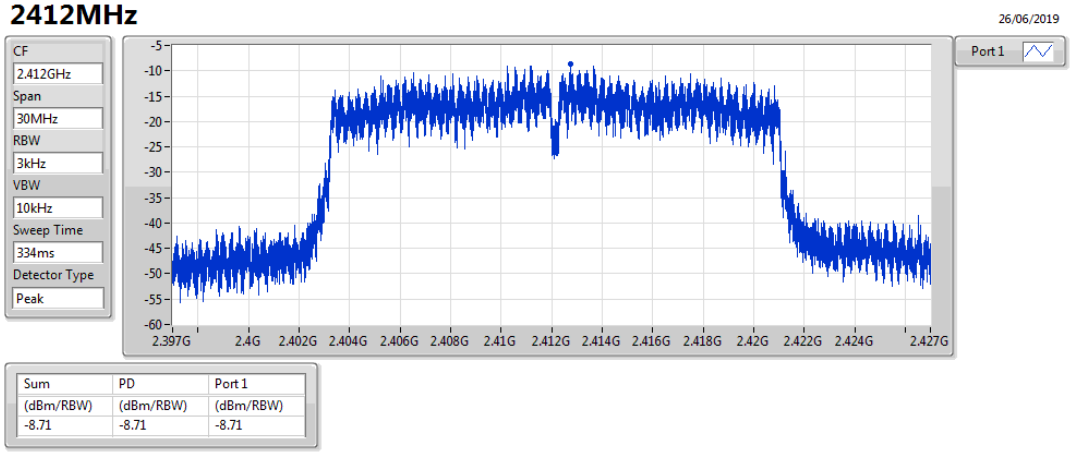
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.23	-8.23	-8.23

802.11n HT20_Nss1,(MCS0)_1TX PSD

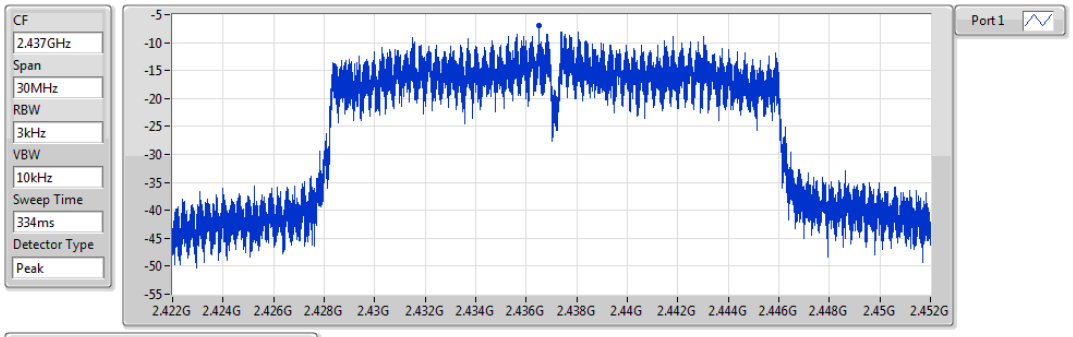
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.71	-8.71	-8.71

802.11n HT20_Nss1,(MCS0)_1TX PSD

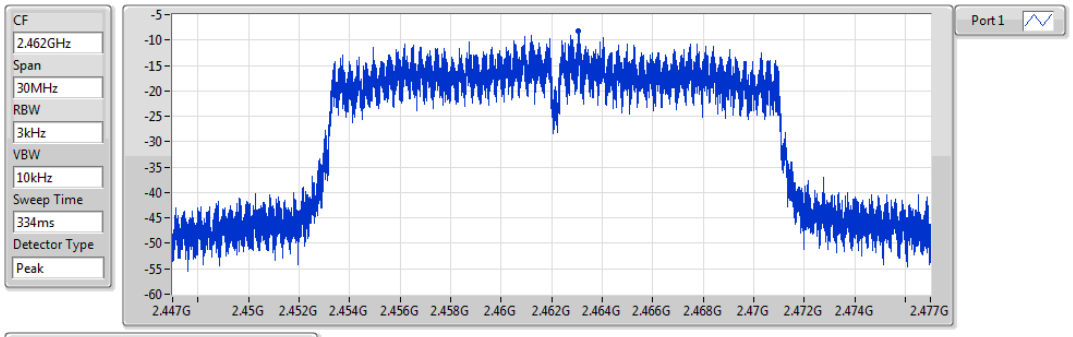
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.95	-6.95	-6.95

802.11n HT20_Nss1,(MCS0)_1TX PSD

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.24	-8.24	-8.24

Summary

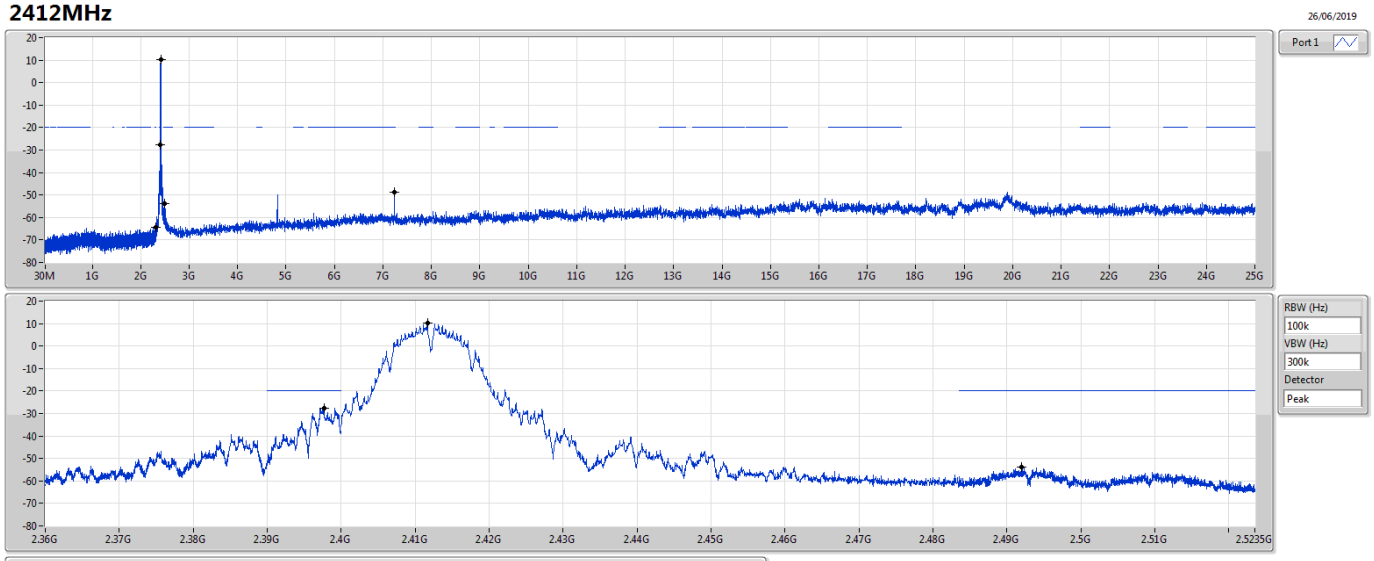
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.41165G	10.32	-19.68	2.30408G	-64.54	2.39766G	-27.58	2.49198G	-53.79	7.23514G	-48.65	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43841G	7.24	-22.76	2.30932G	-62.87	2.39996G	-23.55	2.49072G	-52.36	16.70336G	-52.16	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.43586G	7.37	-22.63	2.3035G	-63.04	2.39926G	-24.47	2.49388G	-52.40	16.25383G	-51.69	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41165G	10.32	-19.68	2.30408G	-64.54	2.39766G	-27.58	2.49198G	-53.79	7.23514G	-48.65	1
2437MHz	Pass	2.41165G	10.32	-19.68	1.93711G	-65.02	2.39918G	-47.21	2.48482G	-53.55	17.54342G	-52.63	1
2462MHz	Pass	2.41165G	10.32	-19.68	2.30816G	-63.75	2.39198G	-58.38	2.48914G	-40.09	17.49566G	-52.55	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43841G	7.24	-22.76	2.30932G	-62.87	2.39996G	-23.55	2.49072G	-52.36	16.70336G	-52.16	1
2437MHz	Pass	2.43841G	7.24	-22.76	1.82439G	-64.20	2.39934G	-42.98	2.48542G	-45.72	17.46756G	-51.97	1
2462MHz	Pass	2.43841G	7.24	-22.76	2.30991G	-65.14	2.3998G	-51.79	2.48376G	-32.58	15.20306G	-52.05	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43586G	7.37	-22.63	2.3035G	-63.04	2.39926G	-24.47	2.49388G	-52.40	16.25383G	-51.69	1
2437MHz	Pass	2.43586G	7.37	-22.63	2.09991G	-64.19	2.39934G	-43.27	2.48586G	-44.12	16.89722G	-51.17	1
2462MHz	Pass	2.43586G	7.37	-22.63	2.10574G	-65.19	2.399G	-52.36	2.4837G	-32.92	16.77079G	-51.65	1

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

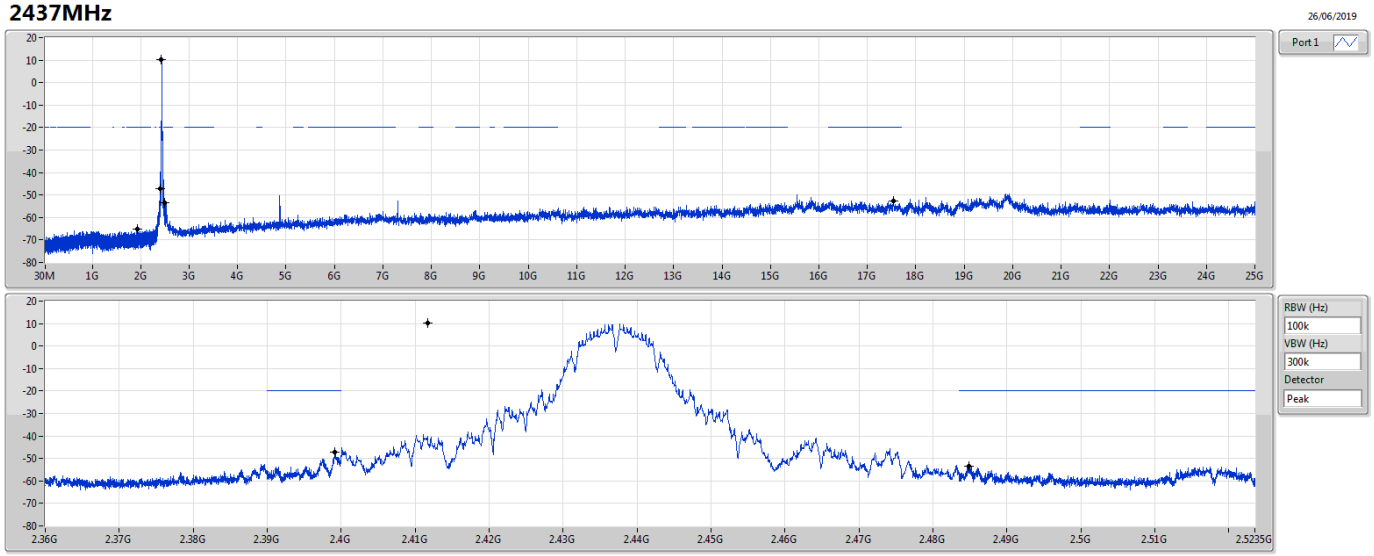
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41165G	10.32	-19.68	2.30408G	-64.54	2.39766G	-27.58	2.49198G	-53.79	7.23514G	-48.65	1

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

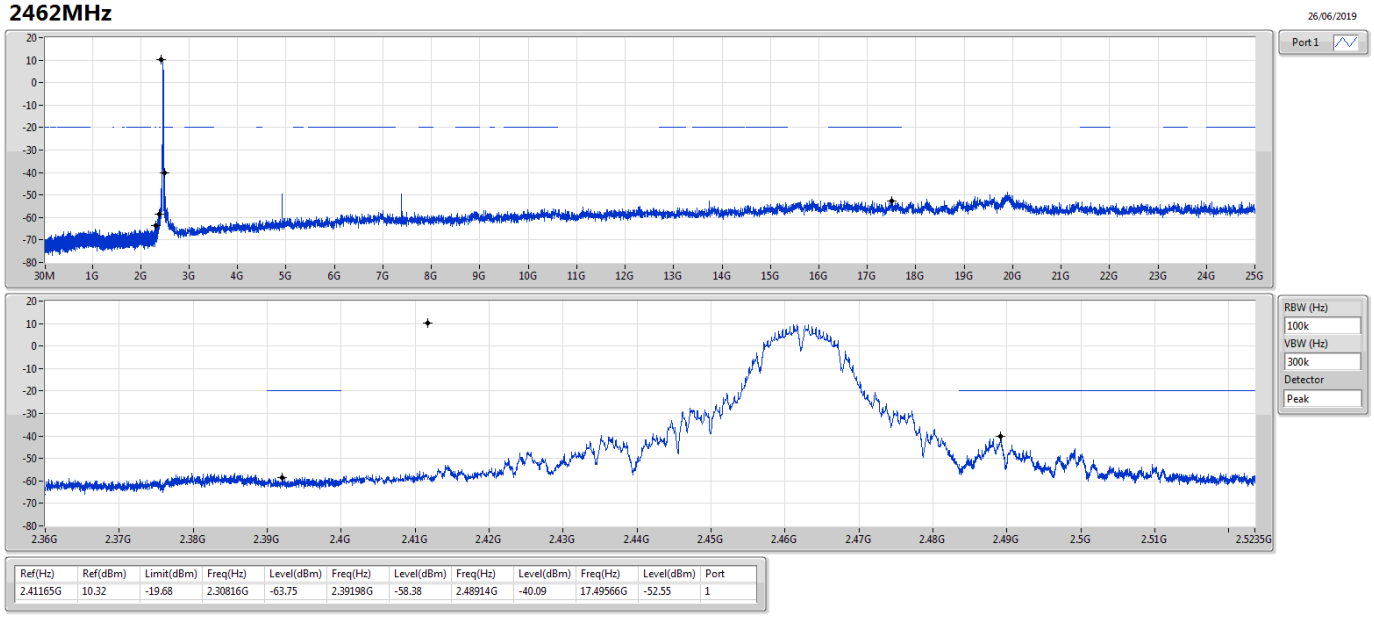
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41165G	10.32	-19.68	1.93711G	-65.02	2.39918G	-47.21	2.48482G	-53.55	17.54342G	-52.63	1

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

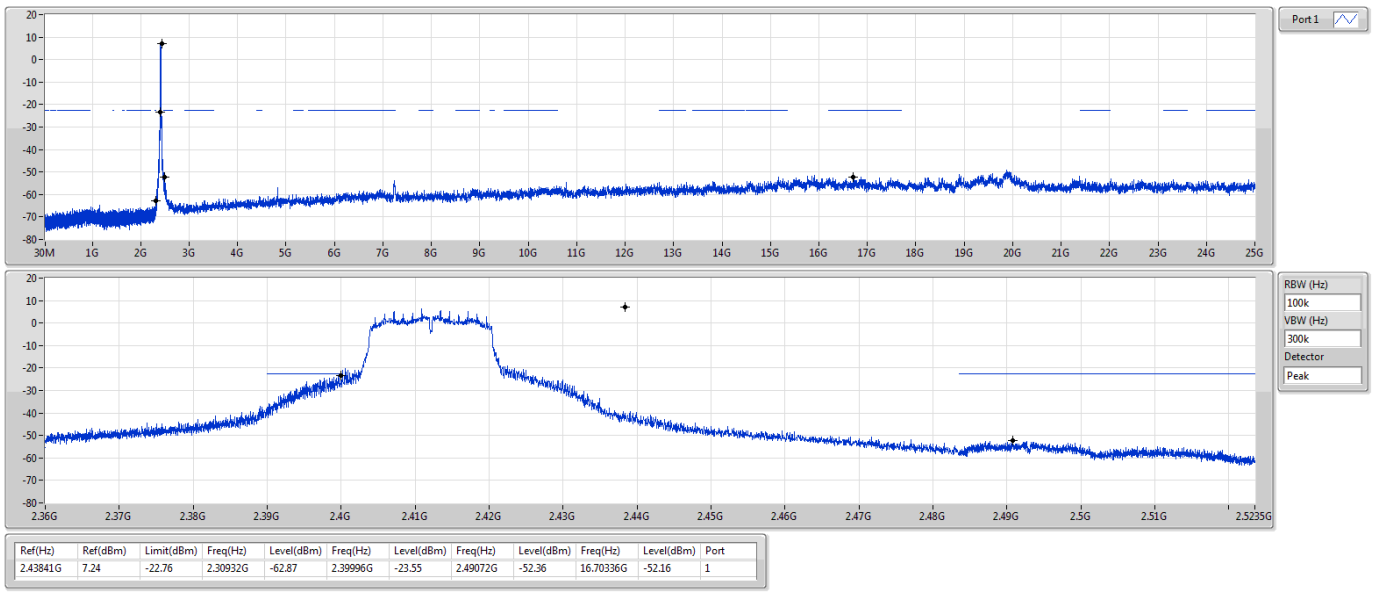
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41165G	10.32	-19.68	2.30816G	-63.75	2.39198G	-58.38	2.48914G	-40.09	17.49566G	-52.55	1

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

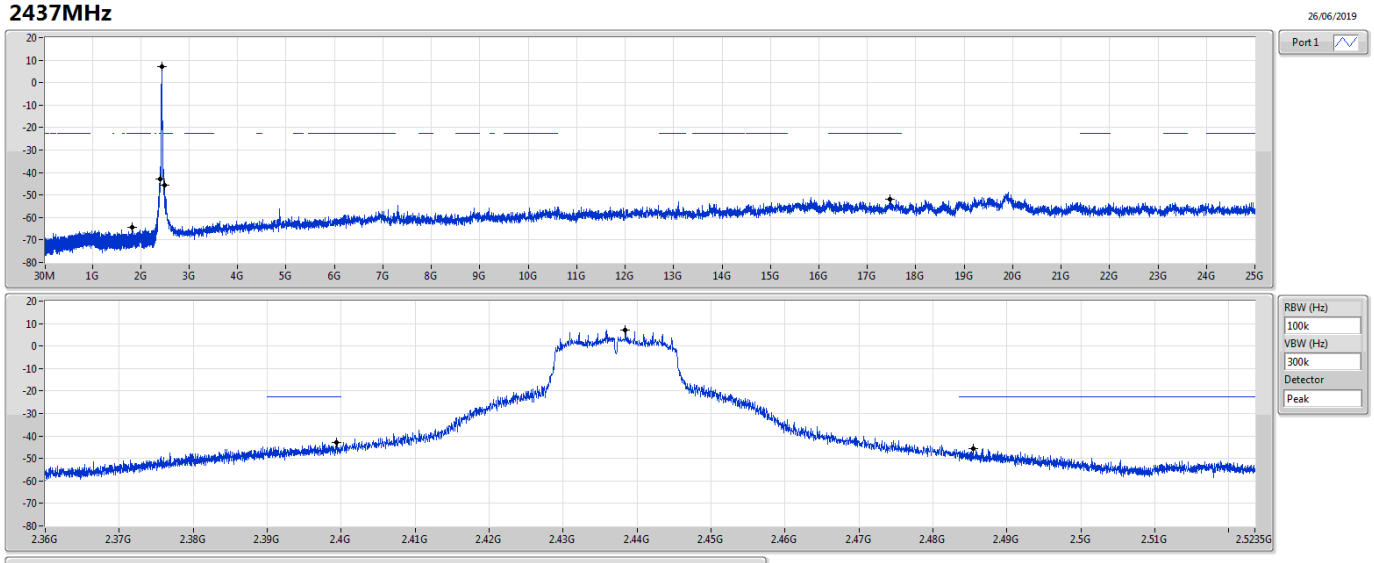
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43841G	7.24	-22.76	2.30932G	-62.87	2.39996G	-23.55	2.49072G	-52.36	16.70336G	-52.16	1

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

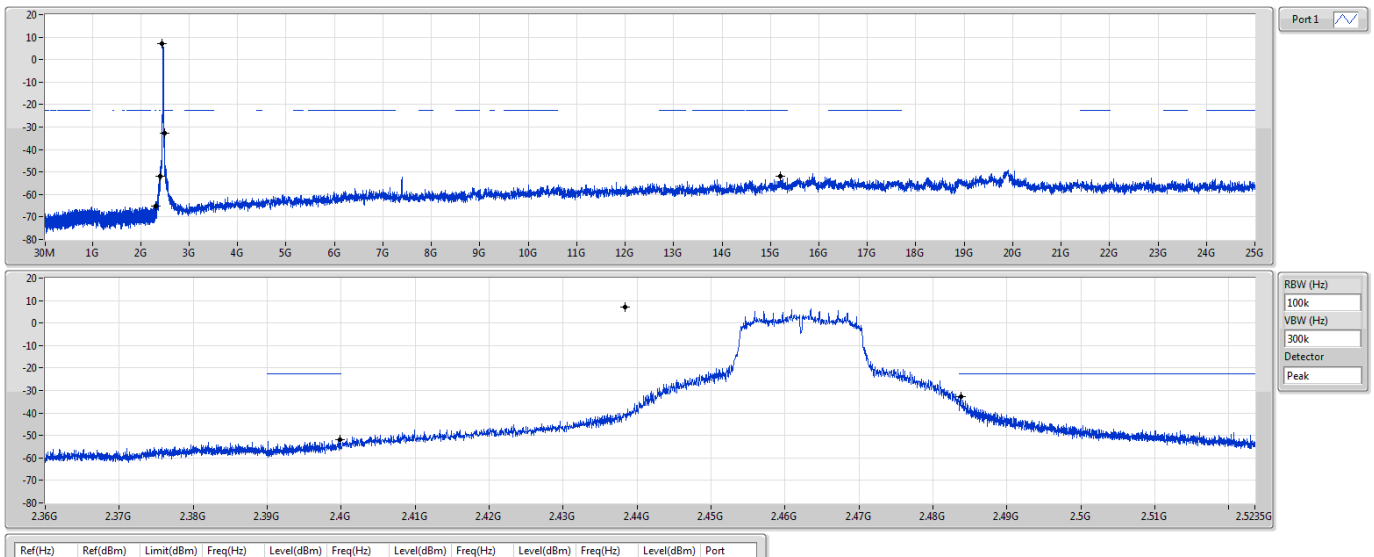
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43841G	7.24	-22.76	1.82439G	-64.20	2.39934G	-42.98	2.48542G	-45.72	17.46756G	-51.97	1

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

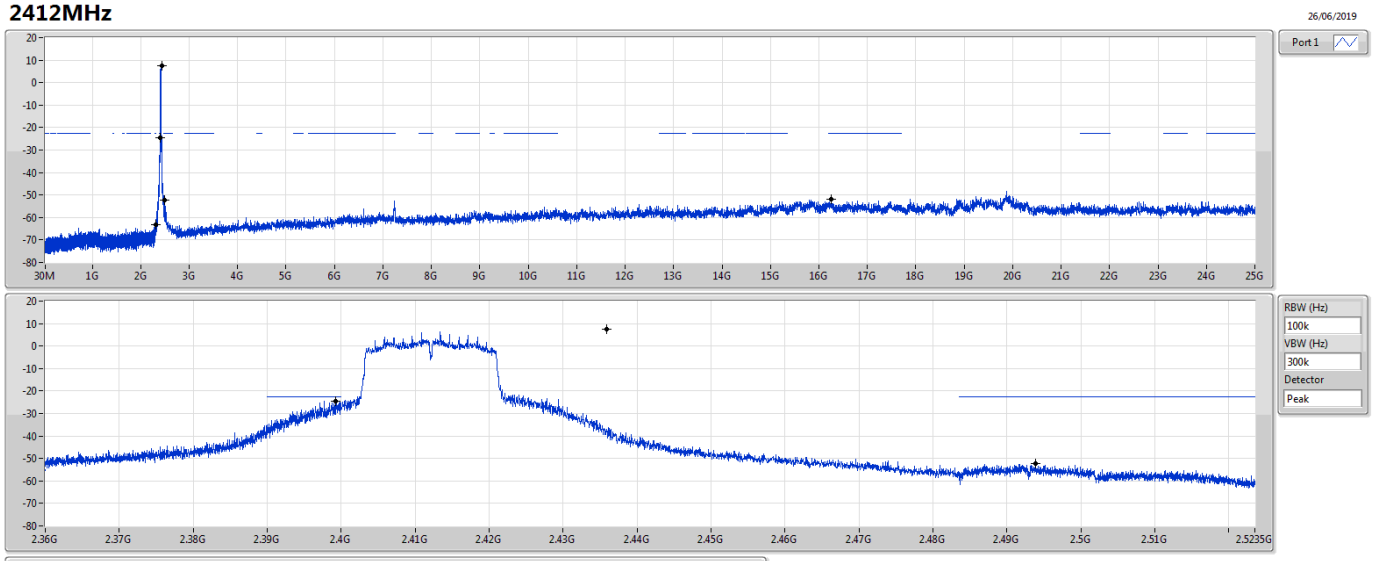
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43841G	7.24	-22.76	2.30991G	-65.14	2.3998G	-51.79	2.48376G	-32.58	15.20306G	-52.05	1

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

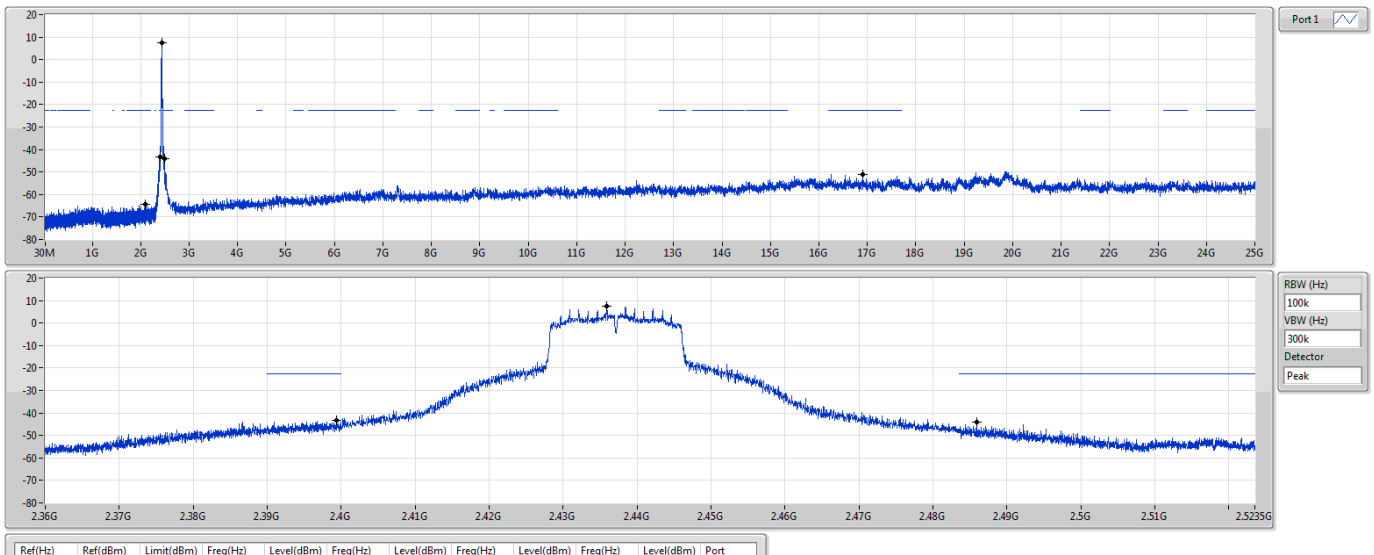
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43586G	7.37	-22.63	2.3035G	-63.04	2.39926G	-24.47	2.49388G	-52.40	16.25383G	-51.69	1

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

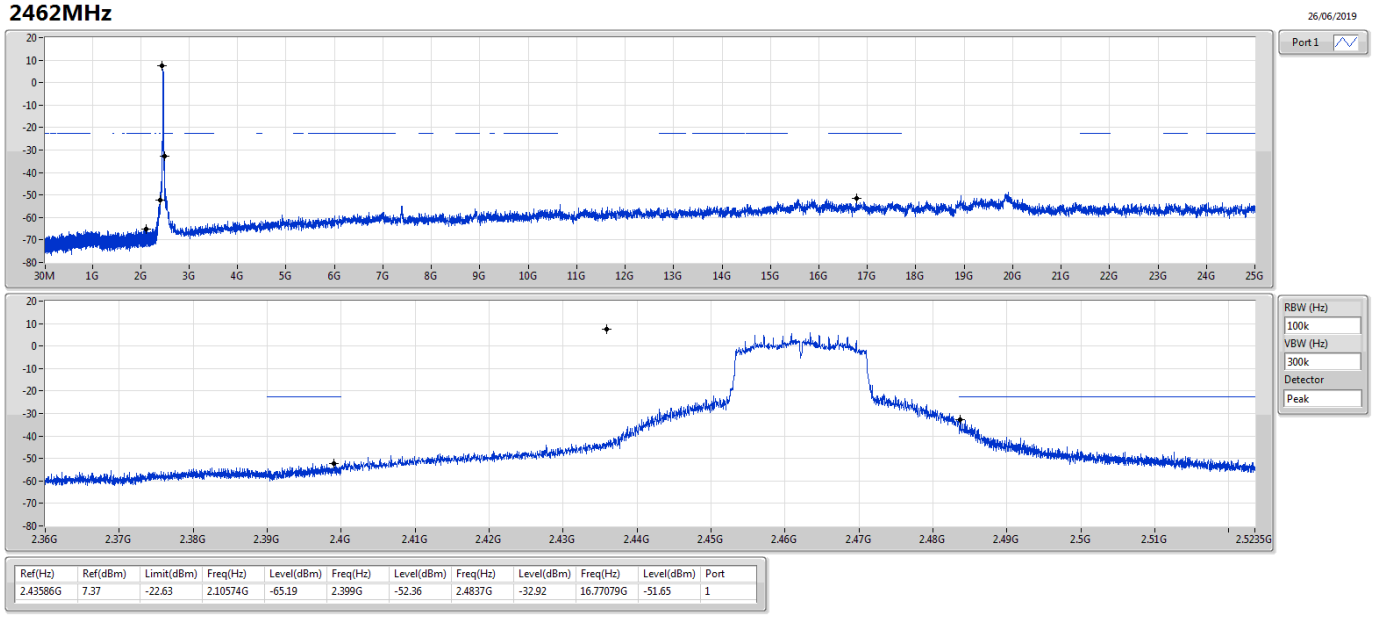
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43586G	7.37	-22.63	2.09991G	-64.19	2.39934G	-43.27	2.48586G	-44.12	16.89722G	-51.17	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
2.43586G	7.37	-22.63	2.10574G	-65.19	2.399G	-52.36	2.4837G	-32.92	16.77079G	-51.65	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 HT20_Nss1,(MCS0)_1TX	Pass	QP	891.75M	43.02	46.00	-2.98	-1.93	3	Horizontal	69	1.00	-

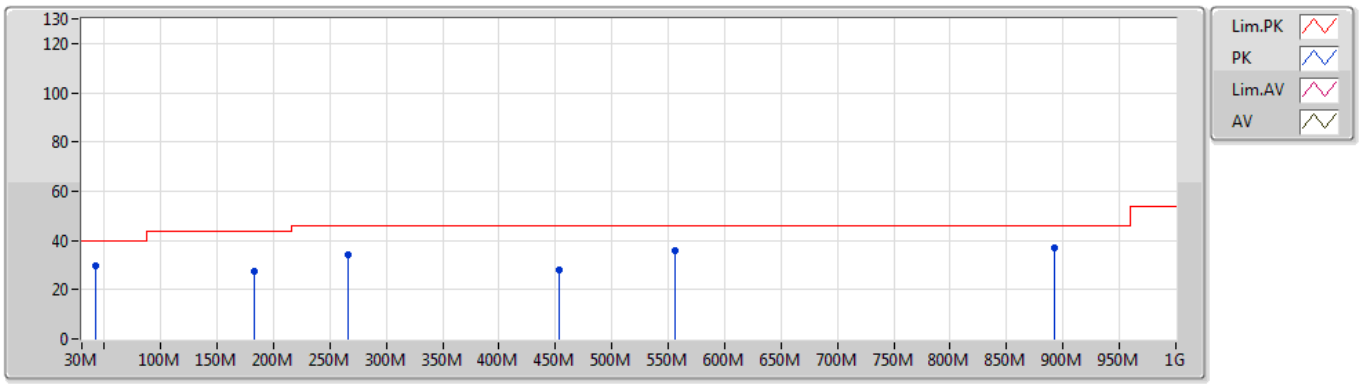
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	42.65M	29.67	40.00	-10.33	-14.32	3	Vertical	360	1.00	-
2437MHz	Pass	PK	183.23M	27.68	43.50	-15.82	-16.44	3	Vertical	360	1.00	-
2437MHz	Pass	PK	266.17M	34.30	46.00	-11.70	-11.43	3	Vertical	360	1.00	-
2437MHz	Pass	PK	555.77M	35.78	46.00	-10.22	-4.80	3	Vertical	360	1.00	-
2437MHz	Pass	PK	891.75M	37.04	46.00	-8.96	-1.93	3	Vertical	360	1.00	-
2437MHz	Pass	QP	453.14M	27.80	46.00	-18.20	-7.11	3	Vertical	208	1.94	-
2437MHz	Pass	PK	119.97M	38.16	43.50	-5.34	-13.67	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	243.68M	33.09	46.00	-12.91	-13.33	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	268.99M	39.88	46.00	-6.12	-11.56	3	Horizontal	0	1.00	-
2437MHz	Pass	QP	453.14M	39.20	46.00	-6.80	-7.11	3	Horizontal	141	2.08	-
2437MHz	Pass	QP	513.59M	42.23	46.00	-3.77	-6.21	3	Horizontal	0	1.94	-
2437MHz	Pass	QP	891.75M	43.02	46.00	-2.98	-1.93	3	Horizontal	69	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_USB

25/06/2019

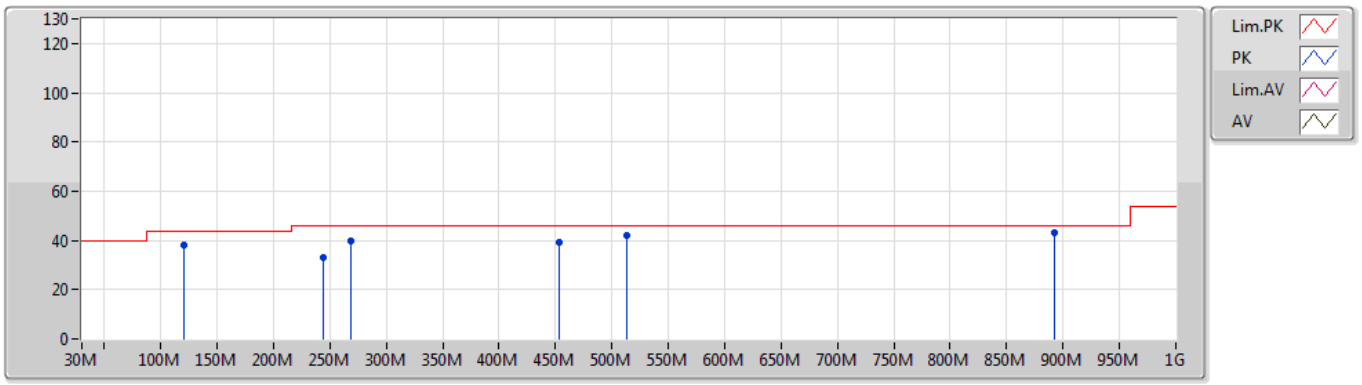


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	42.65M	29.67	40.00	-10.33	-14.32	3	Vertical	360	1.00	-
PK	183.23M	27.68	43.50	-15.82	-16.44	3	Vertical	360	1.00	-
PK	266.17M	34.30	46.00	-11.70	-11.43	3	Vertical	360	1.00	-
PK	555.77M	35.78	46.00	-10.22	-4.80	3	Vertical	360	1.00	-
PK	891.75M	37.04	46.00	-8.96	-1.93	3	Vertical	360	1.00	-
QP	453.14M	27.80	46.00	-18.20	-7.11	3	Vertical	208	1.94	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_USB

25/06/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	119.97M	38.16	43.50	-5.34	-13.67	3	Horizontal	0	1.00	-
PK	243.68M	33.09	46.00	-12.91	-13.33	3	Horizontal	0	1.00	-
PK	268.99M	39.88	46.00	-6.12	-11.56	3	Horizontal	0	1.00	-
QP	453.14M	39.20	46.00	-6.80	-7.11	3	Horizontal	141	2.08	-
QP	513.59M	42.23	46.00	-3.77	-6.21	3	Horizontal	0	1.94	-
QP	891.75M	43.02	46.00	-2.98	-1.93	3	Horizontal	69	1.00	-

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	2.3862G	52.24	54.00	-1.76	32.24	3	Horizontal	15	1.61	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.3898G	53.70	54.00	-0.30	32.23	3	Horizontal	12	1.32	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.25	54.00	-0.75	32.23	3	Horizontal	10	1.31	-

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_TX	Pass	AV	2.3862G	50.73	54.00	-3.27	32.24	3	Vertical	333	1.30	-
2412MHz_TX	Pass	AV	2.4112G	96.85	Inf	-Inf	32.19	3	Vertical	333	1.30	-
2412MHz_TX	Pass	PK	2.3742G	61.70	74.00	-12.30	32.26	3	Vertical	333	1.30	-
2412MHz_TX	Pass	PK	2.4108G	99.89	Inf	-Inf	32.19	3	Vertical	333	1.30	-
2412MHz_TX	Pass	AV	2.3862G	52.24	54.00	-1.76	32.24	3	Horizontal	15	1.61	-
2412MHz_TX	Pass	AV	2.4112G	99.13	Inf	-Inf	32.19	3	Horizontal	15	1.61	-
2412MHz_TX	Pass	PK	2.3858G	62.33	74.00	-11.67	32.24	3	Horizontal	15	1.61	-
2412MHz_TX	Pass	PK	2.4106G	101.96	Inf	-Inf	32.19	3	Horizontal	15	1.61	-
2412MHz_TX	Pass	AV	4.82394G	42.27	54.00	-11.73	8.16	3	Vertical	99	1.77	-
2412MHz_TX	Pass	PK	4.82076G	50.42	74.00	-23.58	8.15	3	Vertical	99	1.77	-
2412MHz_TX	Pass	AV	4.82394G	43.05	54.00	-10.95	8.16	3	Horizontal	84	1.65	-
2412MHz_TX	Pass	PK	4.82406G	50.46	74.00	-23.54	8.16	3	Horizontal	84	1.65	-
2437MHz_TX	Pass	AV	2.337G	49.18	54.00	-4.82	32.36	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.4362G	95.13	Inf	-Inf	32.16	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.4918G	49.77	54.00	-4.23	32.09	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.3634G	61.68	74.00	-12.32	32.30	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.4358G	98.02	Inf	-Inf	32.16	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.4862G	61.45	74.00	-12.55	32.10	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.3898G	49.42	54.00	-4.58	32.23	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	AV	2.4362G	97.44	Inf	-Inf	32.16	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	AV	2.4846G	49.78	54.00	-4.22	32.10	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	PK	2.3414G	61.06	74.00	-12.94	32.35	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	PK	2.4358G	100.26	Inf	-Inf	32.16	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	PK	2.4978G	61.12	74.00	-12.88	32.08	3	Horizontal	9	1.00	-
2437MHz_TX	Pass	AV	4.874G	44.50	54.00	-9.50	8.25	3	Vertical	131	1.38	-
2437MHz_TX	Pass	AV	7.31004G	44.54	54.00	-9.46	14.47	3	Vertical	201	2.55	-
2437MHz_TX	Pass	PK	4.87436G	50.64	74.00	-23.36	8.25	3	Vertical	131	1.38	-
2437MHz_TX	Pass	PK	7.31178G	54.92	74.00	-19.08	14.47	3	Vertical	201	2.55	-
2437MHz_TX	Pass	AV	4.87394G	44.38	54.00	-9.62	8.25	3	Horizontal	85	1.64	-
2437MHz_TX	Pass	AV	7.3098G	42.85	54.00	-11.15	14.47	3	Horizontal	108	1.92	-
2437MHz_TX	Pass	PK	4.8743G	50.60	74.00	-23.40	8.25	3	Horizontal	85	1.64	-
2437MHz_TX	Pass	PK	7.31022G	54.69	74.00	-19.31	14.47	3	Horizontal	108	1.92	-
2462MHz_TX	Pass	AV	2.4612G	94.12	Inf	-Inf	32.13	3	Vertical	155	1.62	-
2462MHz_TX	Pass	AV	2.4874G	50.02	54.00	-3.98	32.10	3	Vertical	155	1.62	-
2462MHz_TX	Pass	PK	2.462G	96.98	Inf	-Inf	32.13	3	Vertical	155	1.62	-
2462MHz_TX	Pass	PK	2.4908G	61.98	74.00	-12.02	32.09	3	Vertical	155	1.62	-
2462MHz_TX	Pass	AV	2.4612G	96.38	Inf	-Inf	32.13	3	Horizontal	353	2.27	-
2462MHz_TX	Pass	AV	2.4876G	50.25	54.00	-3.75	32.09	3	Horizontal	353	2.27	-
2462MHz_TX	Pass	PK	2.4608G	99.35	Inf	-Inf	32.13	3	Horizontal	353	2.27	-
2462MHz_TX	Pass	PK	2.4835G	62.10	74.00	-11.90	32.10	3	Horizontal	353	2.27	-
2462MHz_TX	Pass	AV	4.924G	48.93	54.00	-5.07	8.39	3	Vertical	149	1.14	-
2462MHz_TX	Pass	AV	7.38492G	43.87	54.00	-10.13	14.22	3	Vertical	190	2.52	-
2462MHz_TX	Pass	PK	4.92394G	54.05	74.00	-19.95	8.39	3	Vertical	149	1.14	-
2462MHz_TX	Pass	PK	7.3863G	54.00	74.00	-20.00	14.20	3	Vertical	190	2.52	-
2462MHz_TX	Pass	AV	4.924G	45.31	54.00	-8.69	8.39	3	Horizontal	77	1.59	-
2462MHz_TX	Pass	AV	7.38678G	42.63	54.00	-11.37	14.20	3	Horizontal	129	1.72	-
2462MHz_TX	Pass	PK	4.92394G	51.53	74.00	-22.47	8.39	3	Horizontal	77	1.59	-

Remark :

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

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz_TX	Pass	PK	7.38606G	54.51	74.00	-19.49	14.20	3	Horizontal	129	1.72	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	52.09	54.00	-1.91	32.23	3	Vertical	164	1.50	-
2412MHz_TX	Pass	AV	2.4112G	91.04	Inf	-Inf	32.19	3	Vertical	164	1.50	-
2412MHz_TX	Pass	PK	2.39G	67.80	74.00	-6.20	32.23	3	Vertical	164	1.50	-
2412MHz_TX	Pass	PK	2.4118G	100.69	Inf	-Inf	32.19	3	Vertical	164	1.50	-
2412MHz_TX	Pass	AV	2.3898G	53.70	54.00	-0.30	32.23	3	Horizontal	12	1.32	-
2412MHz_TX	Pass	AV	2.411G	93.80	Inf	-Inf	32.19	3	Horizontal	12	1.32	-
2412MHz_TX	Pass	PK	2.3894G	69.52	74.00	-4.48	32.23	3	Horizontal	12	1.32	-
2412MHz_TX	Pass	PK	2.4114G	102.42	Inf	-Inf	32.19	3	Horizontal	12	1.32	-
2412MHz_TX	Pass	AV	4.82388G	38.53	54.00	-15.47	8.16	3	Vertical	113	1.71	-
2412MHz_TX	Pass	PK	4.82568G	51.65	74.00	-22.35	8.17	3	Vertical	113	1.71	-
2412MHz_TX	Pass	AV	4.824G	36.19	54.00	-17.81	8.16	3	Horizontal	78	1.77	-
2412MHz_TX	Pass	PK	4.81914G	47.74	74.00	-26.26	8.15	3	Horizontal	78	1.77	-
2417MHz_TX	Pass	AV	2.39G	50.33	54.00	-3.67	32.23	3	Vertical	164	1.50	-
2417MHz_TX	Pass	AV	2.4178G	91.06	Inf	-Inf	32.17	3	Vertical	164	1.50	-
2417MHz_TX	Pass	PK	2.388G	63.64	74.00	-10.36	32.23	3	Vertical	164	1.50	-
2417MHz_TX	Pass	PK	2.4162G	99.45	Inf	-Inf	32.18	3	Vertical	164	1.50	-
2417MHz_TX	Pass	AV	2.3896G	51.15	54.00	-2.85	32.23	3	Horizontal	10	1.20	-
2417MHz_TX	Pass	AV	2.418G	93.20	Inf	-Inf	32.17	3	Horizontal	10	1.20	-
2417MHz_TX	Pass	PK	2.3854G	65.85	74.00	-8.15	32.24	3	Horizontal	10	1.20	-
2417MHz_TX	Pass	PK	2.4182G	102.43	Inf	-Inf	32.17	3	Horizontal	10	1.20	-
2437MHz_TX	Pass	AV	2.389G	50.09	54.00	-3.91	32.22	3	Vertical	161	1.50	-
2437MHz_TX	Pass	AV	2.4358G	91.34	Inf	-Inf	32.16	3	Vertical	161	1.50	-
2437MHz_TX	Pass	AV	2.487G	50.26	54.00	-3.74	32.10	3	Vertical	161	1.50	-
2437MHz_TX	Pass	PK	2.3874G	61.42	74.00	-12.58	32.23	3	Vertical	161	1.50	-
2437MHz_TX	Pass	PK	2.4362G	100.20	Inf	-Inf	32.16	3	Vertical	161	1.50	-
2437MHz_TX	Pass	PK	2.4946G	61.75	74.00	-12.25	32.09	3	Vertical	161	1.50	-
2437MHz_TX	Pass	AV	2.3886G	50.53	54.00	-3.47	32.23	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	AV	2.4362G	93.46	Inf	-Inf	32.16	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	AV	2.4842G	50.49	54.00	-3.51	32.10	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	PK	2.3894G	61.78	74.00	-12.22	32.23	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	PK	2.437G	102.16	Inf	-Inf	32.16	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	PK	2.4846G	61.99	74.00	-12.01	32.10	3	Horizontal	11	1.00	-
2437MHz_TX	Pass	AV	4.87352G	38.85	54.00	-15.15	8.25	3	Vertical	109	1.75	-
2437MHz_TX	Pass	AV	7.31568G	41.84	54.00	-12.16	14.45	3	Vertical	319	2.08	-
2437MHz_TX	Pass	PK	4.87328G	50.69	74.00	-23.31	8.25	3	Vertical	109	1.75	-
2437MHz_TX	Pass	PK	7.30506G	53.37	74.00	-20.63	14.49	3	Vertical	319	2.08	-
2437MHz_TX	Pass	AV	4.87448G	36.94	54.00	-17.06	8.25	3	Horizontal	75	1.64	-
2437MHz_TX	Pass	AV	7.31034G	41.85	54.00	-12.15	14.47	3	Horizontal	126	1.99	-
2437MHz_TX	Pass	PK	4.87112G	48.18	74.00	-25.82	8.25	3	Horizontal	75	1.64	-
2437MHz_TX	Pass	PK	7.30314G	53.90	74.00	-20.10	14.50	3	Horizontal	126	1.99	-
2457MHz_TX	Pass	AV	2.4578G	89.39	Inf	-Inf	32.13	3	Vertical	157	1.71	-
2457MHz_TX	Pass	AV	2.4835G	49.52	54.00	-4.48	32.10	3	Vertical	157	1.71	-
2457MHz_TX	Pass	PK	2.456G	97.99	Inf	-Inf	32.13	3	Vertical	157	1.71	-
2457MHz_TX	Pass	PK	2.4835G	61.93	74.00	-12.07	32.10	3	Vertical	157	1.71	-
2457MHz_TX	Pass	AV	2.4578G	91.47	Inf	-Inf	32.13	3	Horizontal	354	2.27	-
2457MHz_TX	Pass	AV	2.4835G	49.77	54.00	-4.23	32.10	3	Horizontal	354	2.27	-
2457MHz_TX	Pass	PK	2.4576G	99.55	Inf	-Inf	32.13	3	Horizontal	354	2.27	-

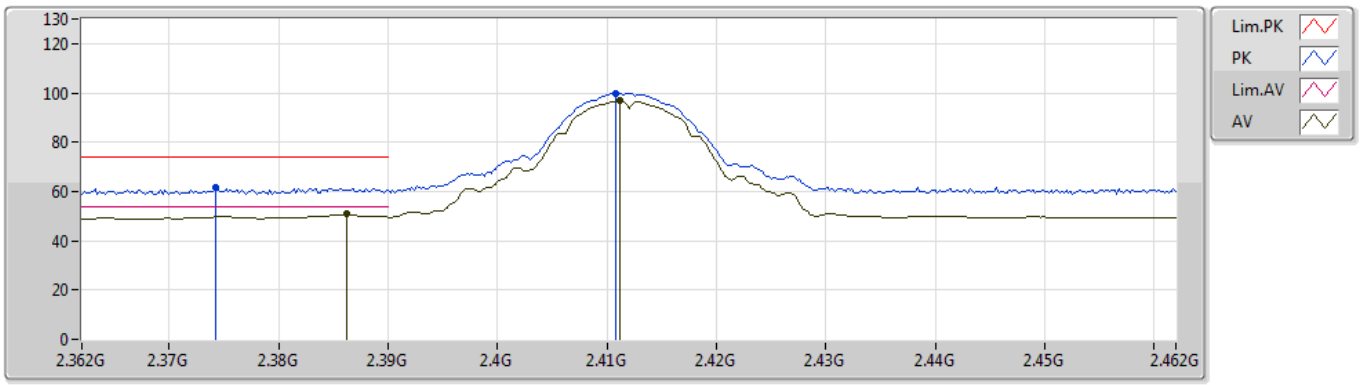
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz_TX	Pass	PK	2.4858G	62.50	74.00	-11.50	32.10	3	Horizontal	354	2.27	-
2462MHz_TX	Pass	AV	2.461G	89.47	Inf	-Inf	32.13	3	Vertical	157	1.72	-
2462MHz_TX	Pass	AV	2.4835G	52.33	54.00	-1.67	32.10	3	Vertical	157	1.72	-
2462MHz_TX	Pass	PK	2.4612G	98.43	Inf	-Inf	32.13	3	Vertical	157	1.72	-
2462MHz_TX	Pass	PK	2.4835G	66.28	74.00	-7.72	32.10	3	Vertical	157	1.72	-
2462MHz_TX	Pass	AV	2.4608G	91.99	Inf	-Inf	32.13	3	Horizontal	9	1.37	-
2462MHz_TX	Pass	AV	2.4835G	53.70	54.00	-0.30	32.10	3	Horizontal	9	1.37	-
2462MHz_TX	Pass	PK	2.4618G	100.60	Inf	-Inf	32.13	3	Horizontal	9	1.37	-
2462MHz_TX	Pass	PK	2.4835G	72.97	74.00	-1.03	32.10	3	Horizontal	9	1.37	-
2462MHz_TX	Pass	AV	4.9246G	38.66	54.00	-15.34	8.39	3	Vertical	149	1.43	-
2462MHz_TX	Pass	AV	7.37214G	41.28	54.00	-12.72	14.26	3	Vertical	6	2.41	-
2462MHz_TX	Pass	PK	4.92352G	50.56	74.00	-23.44	8.39	3	Vertical	149	1.43	-
2462MHz_TX	Pass	PK	7.37526G	52.99	74.00	-21.01	14.24	3	Vertical	6	2.41	-
2462MHz_TX	Pass	AV	4.92364G	37.51	54.00	-16.49	8.39	3	Horizontal	76	1.81	-
2462MHz_TX	Pass	AV	7.37106G	41.30	54.00	-12.70	14.26	3	Horizontal	241	2.06	-
2462MHz_TX	Pass	PK	4.92412G	49.09	74.00	-24.91	8.39	3	Horizontal	76	1.81	-
2462MHz_TX	Pass	PK	7.37178G	52.93	74.00	-21.07	14.26	3	Horizontal	241	2.06	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TX	Pass	AV	2.39G	52.44	54.00	-1.56	32.23	3	Vertical	164	1.50	-
2412MHz_TX	Pass	AV	2.411G	90.40	Inf	-Inf	32.19	3	Vertical	164	1.50	-
2412MHz_TX	Pass	PK	2.3886G	67.45	74.00	-6.55	32.23	3	Vertical	164	1.50	-
2412MHz_TX	Pass	PK	2.4112G	98.85	Inf	-Inf	32.19	3	Vertical	164	1.50	-
2412MHz_TX	Pass	AV	2.39G	53.25	54.00	-0.75	32.23	3	Horizontal	10	1.31	-
2412MHz_TX	Pass	AV	2.4108G	92.77	Inf	-Inf	32.19	3	Horizontal	10	1.31	-
2412MHz_TX	Pass	PK	2.3898G	68.44	74.00	-5.56	32.23	3	Horizontal	10	1.31	-
2412MHz_TX	Pass	PK	2.411G	101.37	Inf	-Inf	32.19	3	Horizontal	10	1.31	-
2412MHz_TX	Pass	AV	4.824G	37.44	54.00	-16.56	8.16	3	Vertical	114	1.75	-
2412MHz_TX	Pass	PK	4.82604G	48.36	74.00	-25.64	8.17	3	Vertical	114	1.75	-
2412MHz_TX	Pass	AV	4.82394G	35.98	54.00	-18.02	8.16	3	Horizontal	76	1.79	-
2412MHz_TX	Pass	PK	4.82952G	48.02	74.00	-25.98	8.17	3	Horizontal	76	1.79	-
2417MHz_TX	Pass	AV	2.3898G	50.75	54.00	-3.25	32.23	3	Vertical	162	1.51	-
2417MHz_TX	Pass	AV	2.4178G	90.62	Inf	-Inf	32.17	3	Vertical	162	1.51	-
2417MHz_TX	Pass	PK	2.3886G	64.93	74.00	-9.07	32.23	3	Vertical	162	1.51	-
2417MHz_TX	Pass	PK	2.4172G	99.14	Inf	-Inf	32.18	3	Vertical	162	1.51	-
2417MHz_TX	Pass	AV	2.39G	51.73	54.00	-2.27	32.23	3	Horizontal	9	1.19	-
2417MHz_TX	Pass	AV	2.4176G	92.96	Inf	-Inf	32.17	3	Horizontal	9	1.19	-
2417MHz_TX	Pass	PK	2.39G	65.68	74.00	-8.32	32.23	3	Horizontal	9	1.19	-
2417MHz_TX	Pass	PK	2.4176G	101.20	Inf	-Inf	32.17	3	Horizontal	9	1.19	-
2437MHz_TX	Pass	AV	2.3882G	50.09	54.00	-3.91	32.23	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.4362G	91.31	Inf	-Inf	32.16	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.4878G	50.48	54.00	-3.52	32.09	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.3886G	62.25	74.00	-11.75	32.23	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.4366G	99.67	Inf	-Inf	32.16	3	Vertical	160	1.49	-
2437MHz_TX	Pass	PK	2.489G	61.57	74.00	-12.43	32.09	3	Vertical	160	1.49	-
2437MHz_TX	Pass	AV	2.3854G	50.50	54.00	-3.50	32.24	3	Horizontal	0	1.01	-
2437MHz_TX	Pass	AV	2.4362G	92.90	Inf	-Inf	32.16	3	Horizontal	0	1.01	-
2437MHz_TX	Pass	AV	2.4866G	50.49	54.00	-3.51	32.10	3	Horizontal	0	1.01	-
2437MHz_TX	Pass	PK	2.3898G	62.47	74.00	-11.53	32.23	3	Horizontal	0	1.01	-
2437MHz_TX	Pass	PK	2.4362G	101.24	Inf	-Inf	32.16	3	Horizontal	0	1.01	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz_TX	Pass	PK	2.4966G	61.20	74.00	-12.80	32.09	3	Horizontal	0	1.01	-
2437MHz_TX	Pass	AV	4.8737G	38.63	54.00	-15.37	8.25	3	Vertical	116	1.74	-
2437MHz_TX	Pass	AV	7.29666G	41.72	54.00	-12.28	14.51	3	Vertical	268	1.07	-
2437MHz_TX	Pass	PK	4.86872G	49.79	74.00	-24.21	8.25	3	Vertical	116	1.74	-
2437MHz_TX	Pass	PK	7.30482G	53.52	74.00	-20.48	14.50	3	Vertical	268	1.07	-
2437MHz_TX	Pass	AV	4.874G	35.63	54.00	-18.37	8.25	3	Horizontal	76	1.65	-
2437MHz_TX	Pass	AV	7.29744G	40.46	54.00	-13.54	14.51	3	Horizontal	117	2.29	-
2437MHz_TX	Pass	PK	4.87448G	47.11	74.00	-26.89	8.25	3	Horizontal	76	1.65	-
2437MHz_TX	Pass	PK	7.31646G	51.97	74.00	-22.03	14.45	3	Horizontal	279	2.30	-
2457MHz_TX	Pass	AV	2.456G	89.42	Inf	-Inf	32.13	3	Vertical	162	1.42	-
2457MHz_TX	Pass	AV	2.4842G	50.02	54.00	-3.98	32.10	3	Vertical	162	1.42	-
2457MHz_TX	Pass	PK	2.455G	98.61	Inf	-Inf	32.13	3	Vertical	162	1.42	-
2457MHz_TX	Pass	PK	2.4838G	63.02	74.00	-10.98	32.10	3	Vertical	162	1.42	-
2457MHz_TX	Pass	AV	2.458G	91.15	Inf	-Inf	32.13	3	Horizontal	356	2.26	-
2457MHz_TX	Pass	AV	2.4835G	50.25	54.00	-3.75	32.10	3	Horizontal	356	2.26	-
2457MHz_TX	Pass	PK	2.4564G	99.40	Inf	-Inf	32.14	3	Horizontal	356	2.26	-
2457MHz_TX	Pass	PK	2.4835G	63.18	74.00	-10.82	32.10	3	Horizontal	356	2.26	-
2462MHz_TX	Pass	AV	2.461G	88.60	Inf	-Inf	32.13	3	Vertical	151	1.62	-
2462MHz_TX	Pass	AV	2.4835G	52.14	54.00	-1.86	32.10	3	Vertical	151	1.62	-
2462MHz_TX	Pass	PK	2.4616G	97.13	Inf	-Inf	32.13	3	Vertical	151	1.62	-
2462MHz_TX	Pass	PK	2.4844G	66.25	74.00	-7.75	32.10	3	Vertical	151	1.62	-
2462MHz_TX	Pass	AV	2.461G	90.77	Inf	-Inf	32.13	3	Horizontal	22	1.36	-
2462MHz_TX	Pass	AV	2.4835G	53.21	54.00	-0.79	32.10	3	Horizontal	22	1.36	-
2462MHz_TX	Pass	PK	2.4602G	100.67	Inf	-Inf	32.13	3	Horizontal	22	1.36	-
2462MHz_TX	Pass	PK	2.4842G	67.92	74.00	-6.08	32.10	3	Horizontal	22	1.36	-
2462MHz_TX	Pass	AV	4.92364G	38.73	54.00	-15.27	8.39	3	Vertical	148	1.15	-
2462MHz_TX	Pass	AV	7.37136G	41.29	54.00	-12.71	14.26	3	Vertical	102	2.04	-
2462MHz_TX	Pass	PK	4.92424G	50.17	74.00	-23.83	8.39	3	Vertical	148	1.15	-
2462MHz_TX	Pass	PK	7.37838G	52.80	74.00	-21.20	14.24	3	Vertical	102	2.04	-
2462MHz_TX	Pass	AV	4.921G	37.17	54.00	-16.83	8.37	3	Horizontal	77	1.79	-
2462MHz_TX	Pass	AV	7.37424G	41.34	54.00	-12.66	14.25	3	Horizontal	133	1.31	-
2462MHz_TX	Pass	PK	4.9219G	48.47	74.00	-25.53	8.39	3	Horizontal	77	1.79	-
2462MHz_TX	Pass	PK	7.37874G	52.85	74.00	-21.15	14.24	3	Horizontal	133	1.31	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

19/05/2019

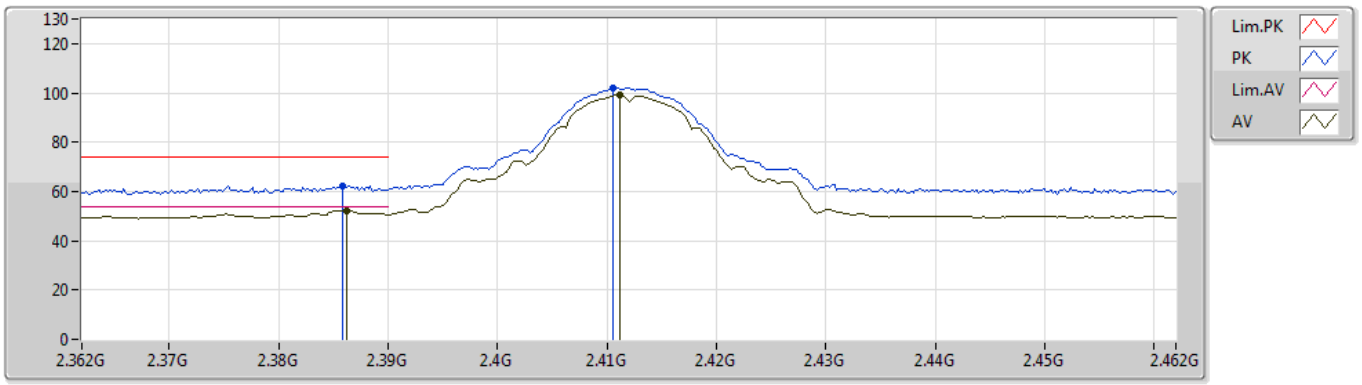


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	50.73	54.00	-3.27	32.24	3	Vertical	333	1.30	-
AV	2.4112G	96.85	Inf	-Inf	32.19	3	Vertical	333	1.30	-
PK	2.3742G	61.70	74.00	-12.30	32.26	3	Vertical	333	1.30	-
PK	2.4108G	99.89	Inf	-Inf	32.19	3	Vertical	333	1.30	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

19/05/2019

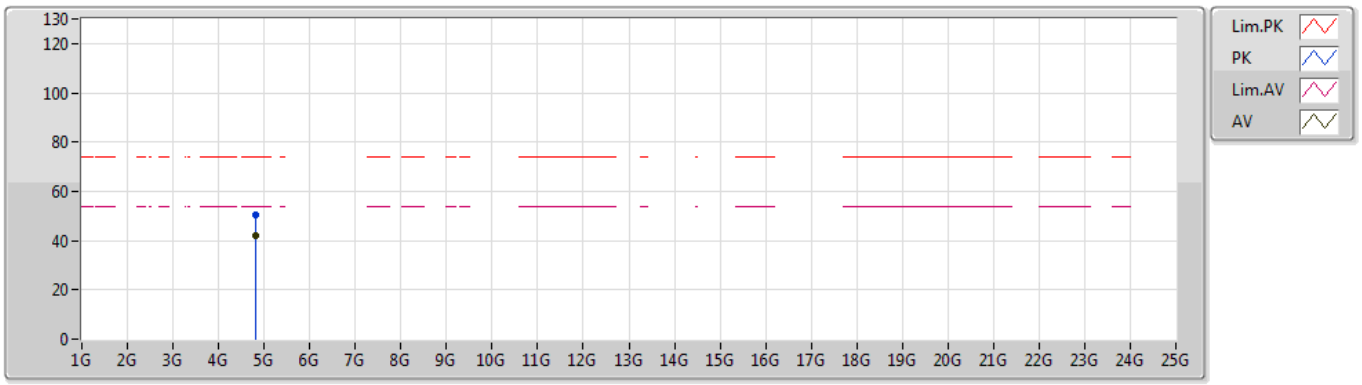


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3862G	52.24	54.00	-1.76	32.24	3	Horizontal	15	1.61	-
AV	2.4112G	99.13	Inf	-Inf	32.19	3	Horizontal	15	1.61	-
PK	2.3858G	62.33	74.00	-11.67	32.24	3	Horizontal	15	1.61	-
PK	2.4106G	101.96	Inf	-Inf	32.19	3	Horizontal	15	1.61	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

19/05/2019

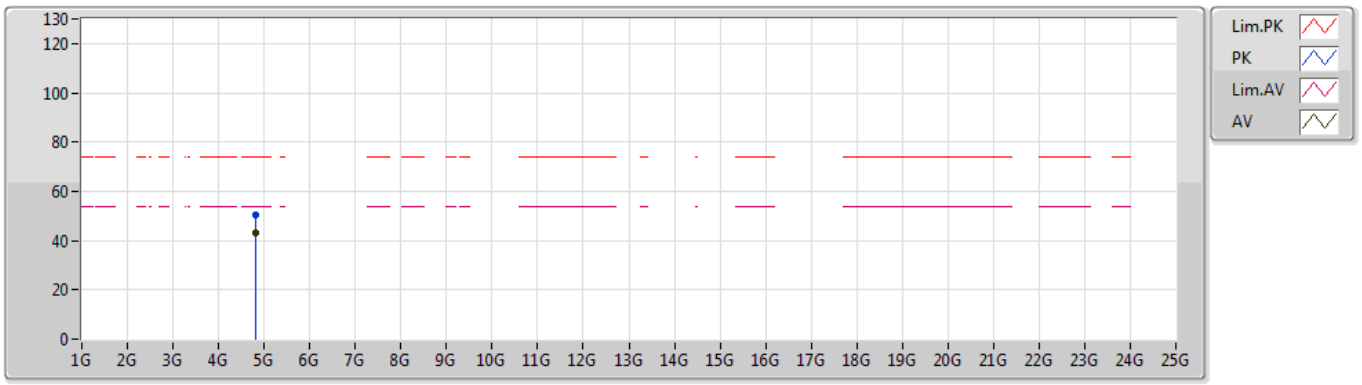


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	42.27	54.00	-11.73	8.16	3	Vertical	99	1.77	-
PK	4.82076G	50.42	74.00	-23.58	8.15	3	Vertical	99	1.77	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

19/05/2019

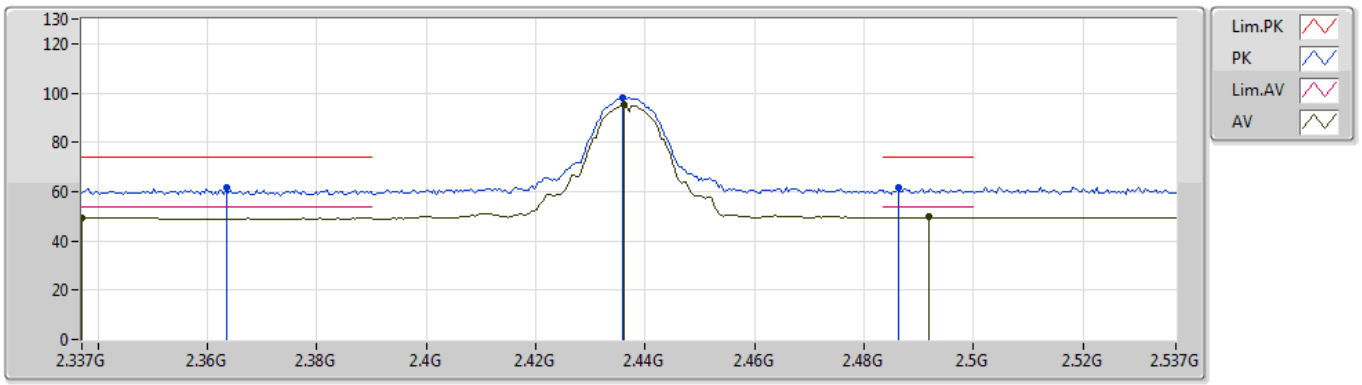


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	43.05	54.00	-10.95	8.16	3	Horizontal	84	1.65	-
PK	4.82406G	50.46	74.00	-23.54	8.16	3	Horizontal	84	1.65	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

19/05/2019

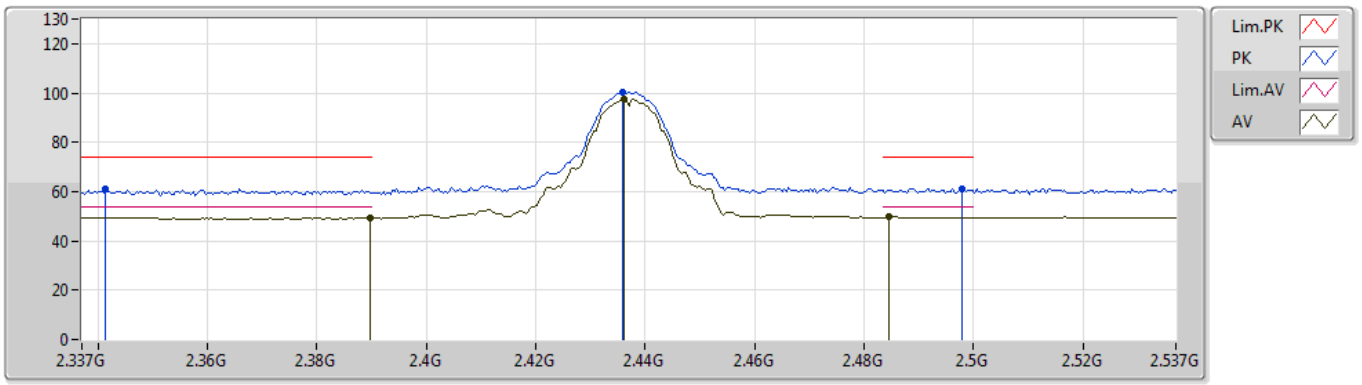


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.337G	49.18	54.00	-4.82	32.36	3	Vertical	160	1.49	-
AV	2.4362G	95.13	Inf	-Inf	32.16	3	Vertical	160	1.49	-
AV	2.4918G	49.77	54.00	-4.23	32.09	3	Vertical	160	1.49	-
PK	2.3634G	61.68	74.00	-12.32	32.30	3	Vertical	160	1.49	-
PK	2.4358G	98.02	Inf	-Inf	32.16	3	Vertical	160	1.49	-
PK	2.4862G	61.45	74.00	-12.55	32.10	3	Vertical	160	1.49	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

19/05/2019

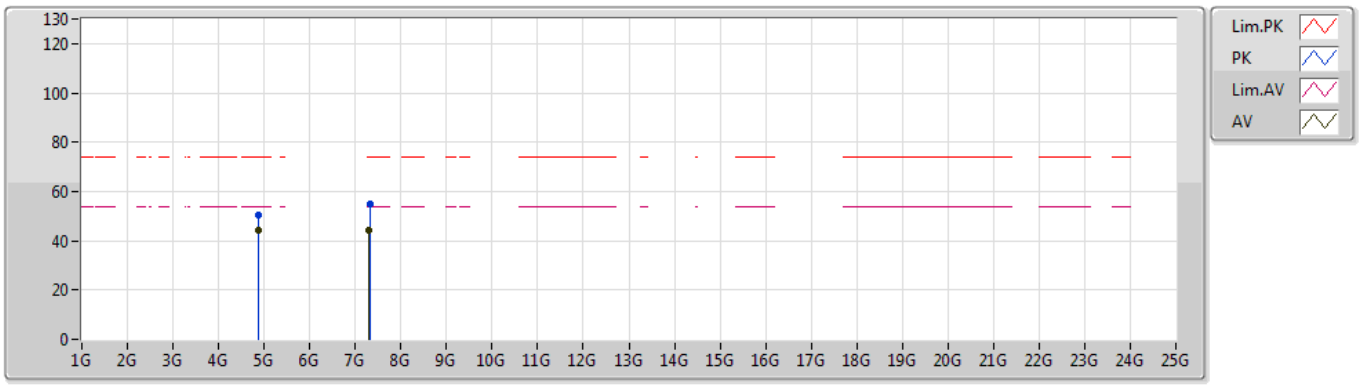


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	49.42	54.00	-4.58	32.23	3	Horizontal	9	1.00	-
AV	2.4362G	97.44	Inf	-Inf	32.16	3	Horizontal	9	1.00	-
AV	2.4846G	49.78	54.00	-4.22	32.10	3	Horizontal	9	1.00	-
PK	2.3414G	61.06	74.00	-12.94	32.35	3	Horizontal	9	1.00	-
PK	2.4358G	100.26	Inf	-Inf	32.16	3	Horizontal	9	1.00	-
PK	2.4978G	61.12	74.00	-12.88	32.08	3	Horizontal	9	1.00	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

19/05/2019

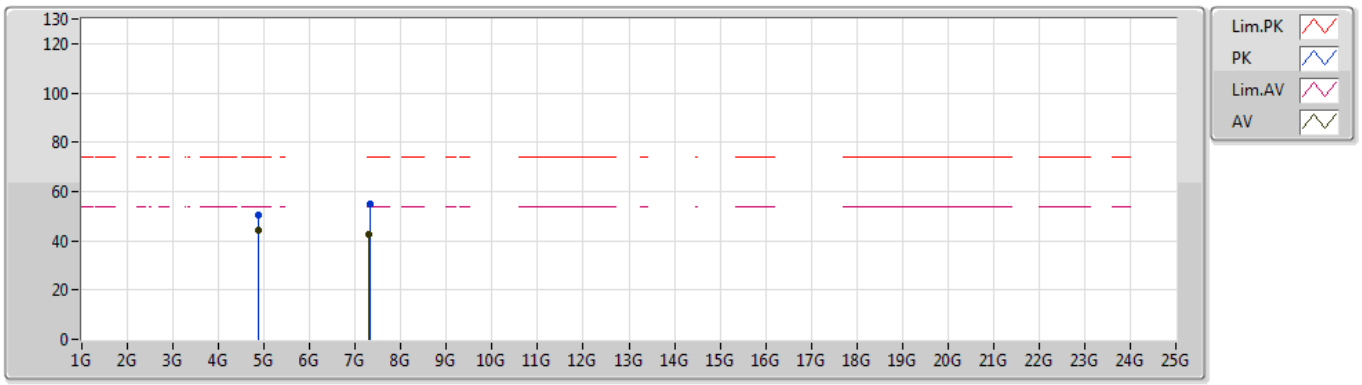


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.874G	44.50	54.00	-9.50	8.25	3	Vertical	131	1.38	-
AV	7.31004G	44.54	54.00	-9.46	14.47	3	Vertical	201	2.55	-
PK	4.87436G	50.64	74.00	-23.36	8.25	3	Vertical	131	1.38	-
PK	7.31178G	54.92	74.00	-19.08	14.47	3	Vertical	201	2.55	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

19/05/2019

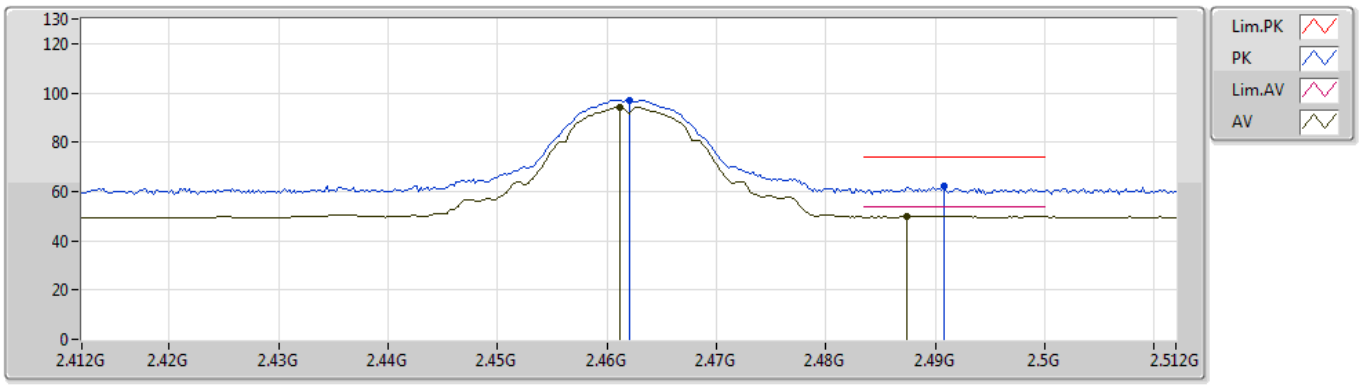


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87394G	44.38	54.00	-9.62	8.25	3	Horizontal	85	1.64	-
AV	7.3098G	42.85	54.00	-11.15	14.47	3	Horizontal	108	1.92	-
PK	4.8743G	50.60	74.00	-23.40	8.25	3	Horizontal	85	1.64	-
PK	7.31022G	54.69	74.00	-19.31	14.47	3	Horizontal	108	1.92	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

19/05/2019

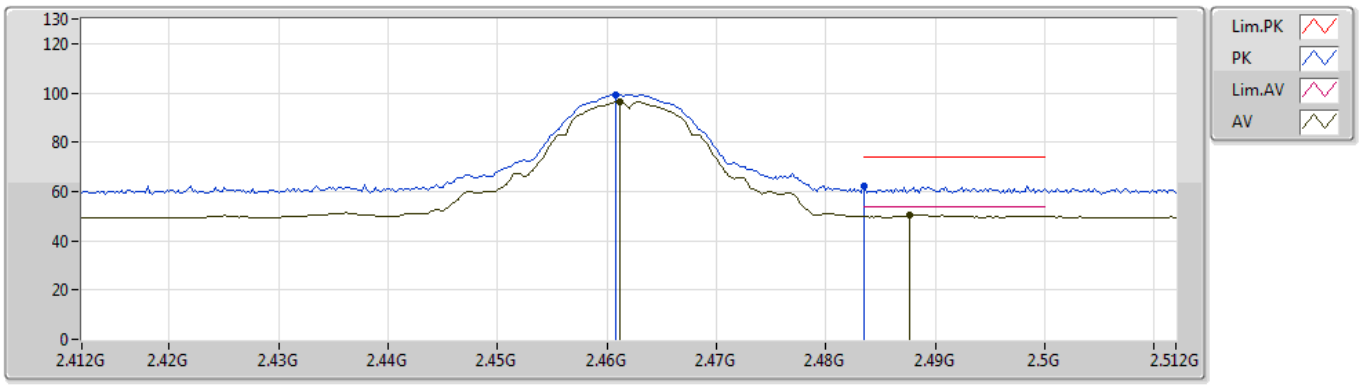


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	94.12	Inf	-Inf	32.13	3	Vertical	155	1.62	-
AV	2.4874G	50.02	54.00	-3.98	32.10	3	Vertical	155	1.62	-
PK	2.462G	96.98	Inf	-Inf	32.13	3	Vertical	155	1.62	-
PK	2.4908G	61.98	74.00	-12.02	32.09	3	Vertical	155	1.62	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

19/05/2019

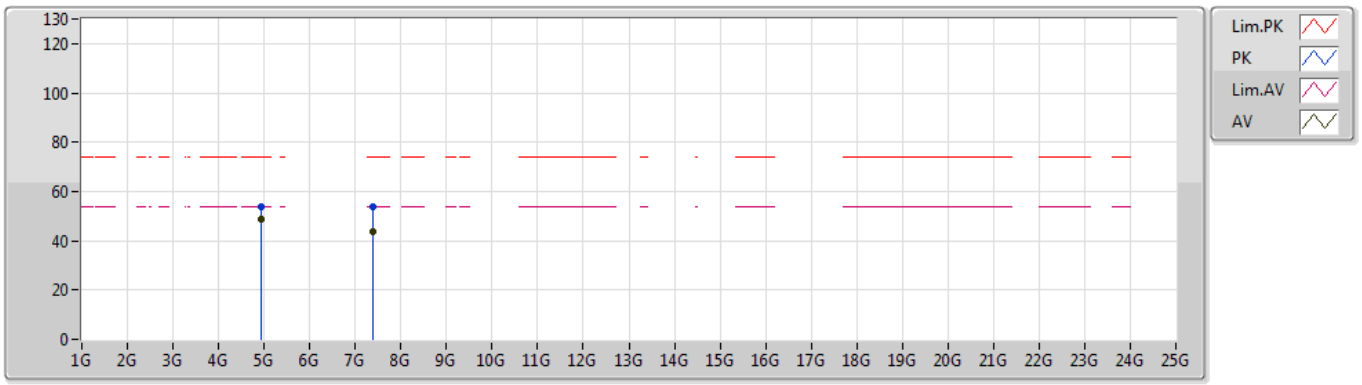


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	96.38	Inf	-Inf	32.13	3	Horizontal	353	2.27	-
AV	2.4876G	50.25	54.00	-3.75	32.09	3	Horizontal	353	2.27	-
PK	2.4608G	99.35	Inf	-Inf	32.13	3	Horizontal	353	2.27	-
PK	2.4835G	62.10	74.00	-11.90	32.10	3	Horizontal	353	2.27	-

802.11b_Nss1,(1Mbps)_1TX

19/05/2019

2462MHz_TX

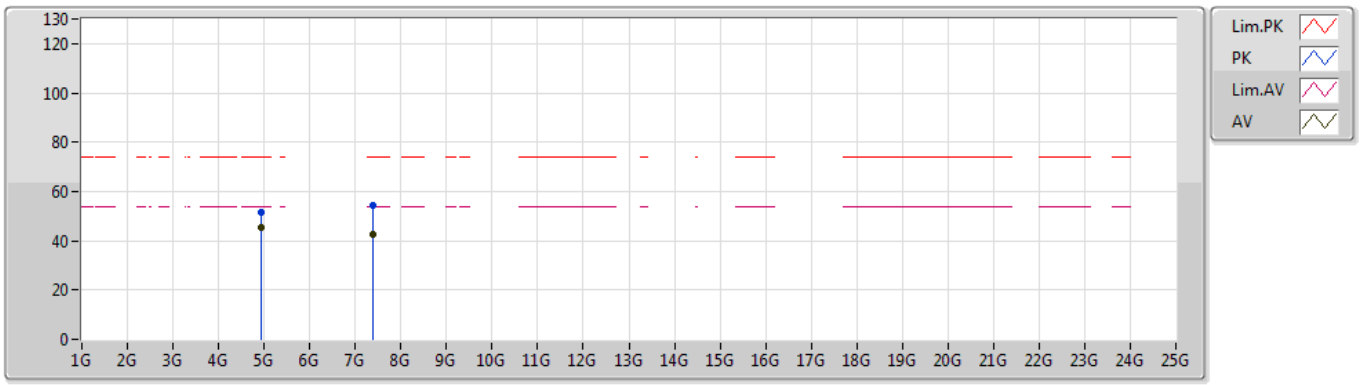


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	48.93	54.00	-5.07	8.39	3	Vertical	149	1.14	-
AV	7.38492G	43.87	54.00	-10.13	14.22	3	Vertical	190	2.52	-
PK	4.92394G	54.05	74.00	-19.95	8.39	3	Vertical	149	1.14	-
PK	7.3863G	54.00	74.00	-20.00	14.20	3	Vertical	190	2.52	-

802.11b_Nss1,(1Mbps)_1TX

19/05/2019

2462MHz_TX

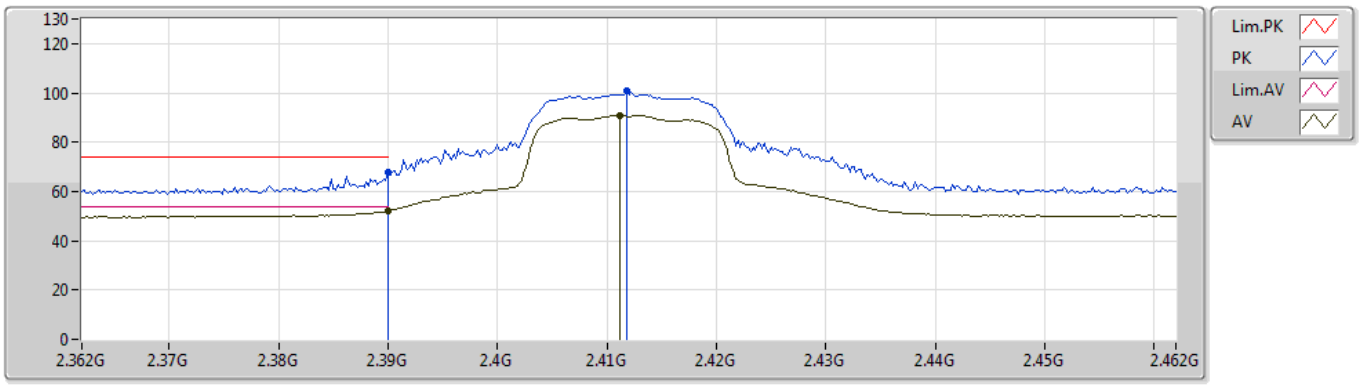


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.924G	45.31	54.00	-8.69	8.39	3	Horizontal	77	1.59	-
AV	7.38678G	42.63	54.00	-11.37	14.20	3	Horizontal	129	1.72	-
PK	4.92394G	51.53	74.00	-22.47	8.39	3	Horizontal	77	1.59	-
PK	7.38606G	54.51	74.00	-19.49	14.20	3	Horizontal	129	1.72	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

19/05/2019

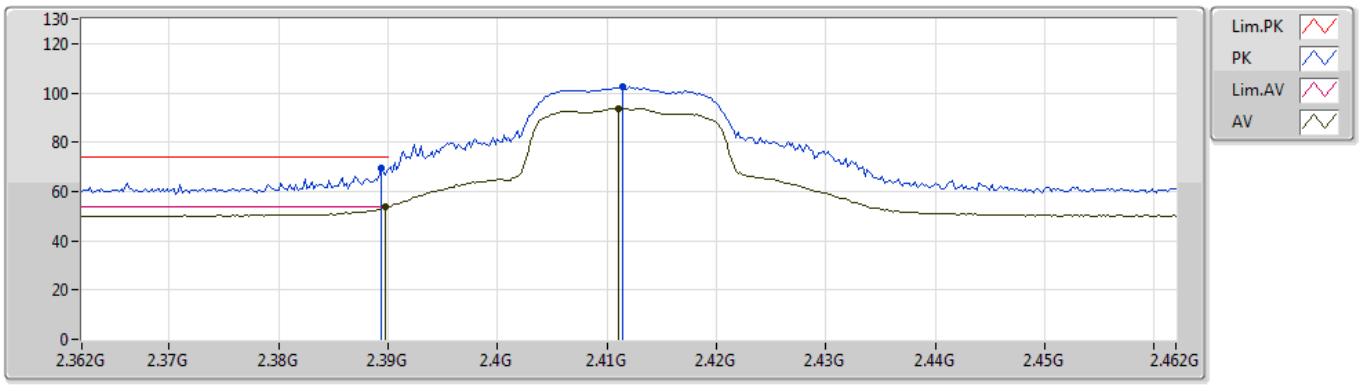


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	52.09	54.00	-1.91	32.23	3	Vertical	164	1.50	-
AV	2.4112G	91.04	Inf	-Inf	32.19	3	Vertical	164	1.50	-
PK	2.39G	67.80	74.00	-6.20	32.23	3	Vertical	164	1.50	-
PK	2.4118G	100.69	Inf	-Inf	32.19	3	Vertical	164	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

19/05/2019

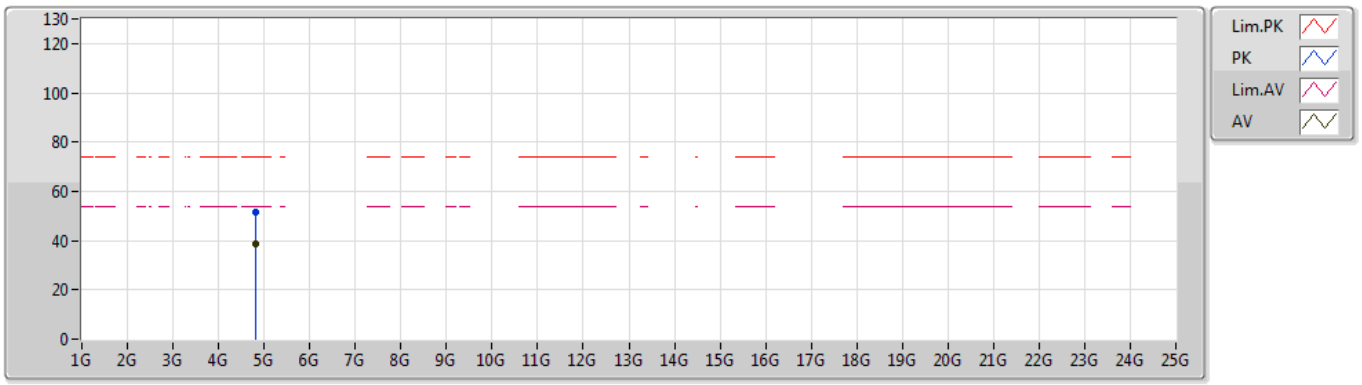


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	53.70	54.00	-0.30	32.23	3	Horizontal	12	1.32	-
AV	2.411G	93.80	Inf	-Inf	32.19	3	Horizontal	12	1.32	-
PK	2.3894G	69.52	74.00	-4.48	32.23	3	Horizontal	12	1.32	-
PK	2.4114G	102.42	Inf	-Inf	32.19	3	Horizontal	12	1.32	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

19/05/2019

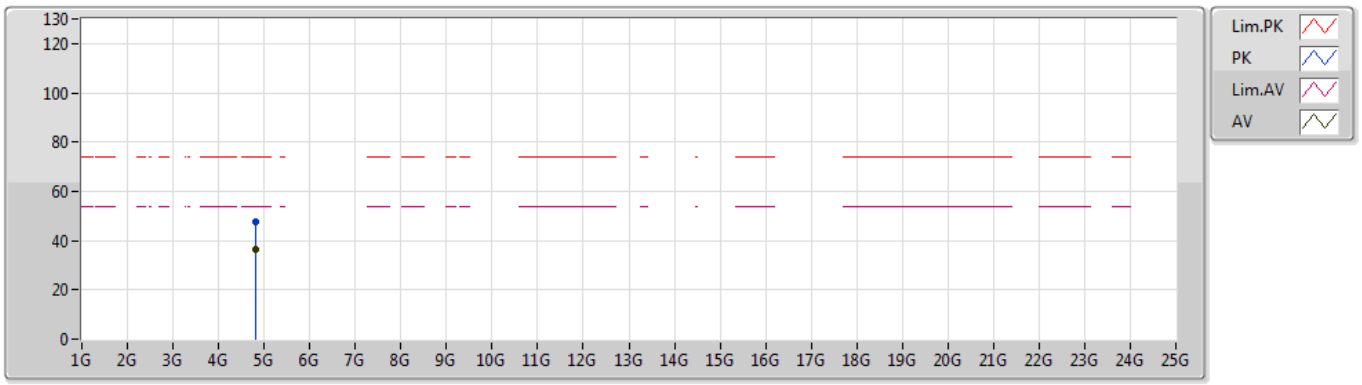


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82388G	38.53	54.00	-15.47	8.16	3	Vertical	113	1.71	-
PK	4.82568G	51.65	74.00	-22.35	8.17	3	Vertical	113	1.71	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

19/05/2019

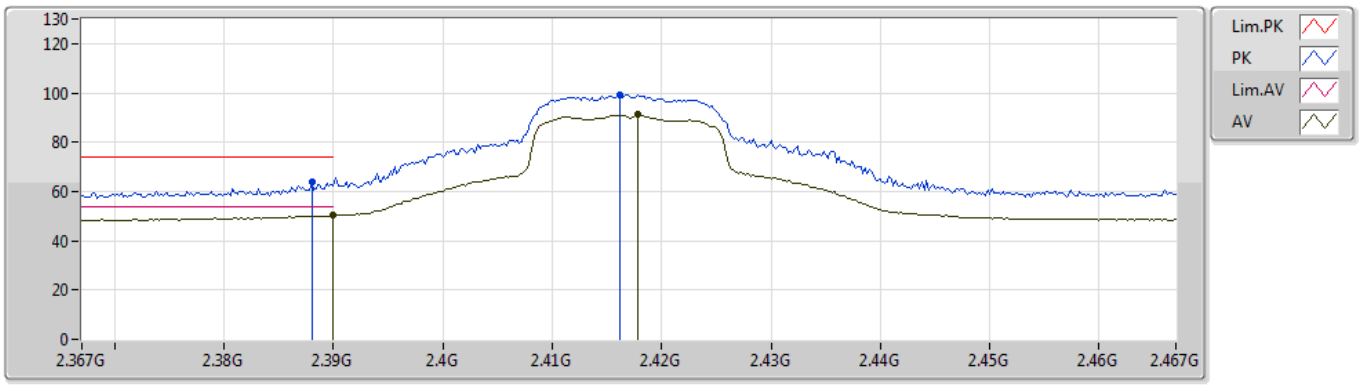


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	36.19	54.00	-17.81	8.16	3	Horizontal	78	1.77	-
PK	4.81914G	47.74	74.00	-26.26	8.15	3	Horizontal	78	1.77	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

19/05/2019

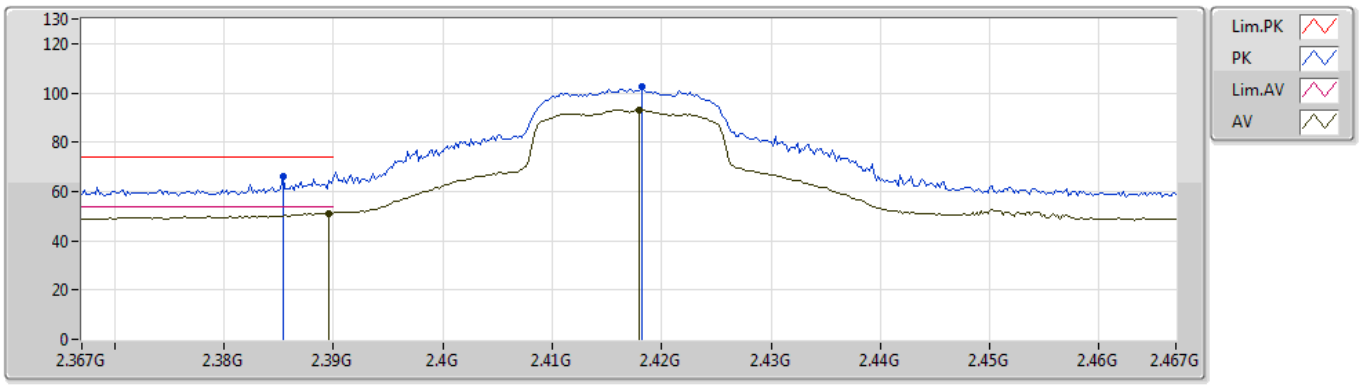


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	50.33	54.00	-3.67	32.23	3	Vertical	164	1.50	-
AV	2.4178G	91.06	Inf	-Inf	32.17	3	Vertical	164	1.50	-
PK	2.388G	63.64	74.00	-10.36	32.23	3	Vertical	164	1.50	-
PK	2.4162G	99.45	Inf	-Inf	32.18	3	Vertical	164	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

19/05/2019

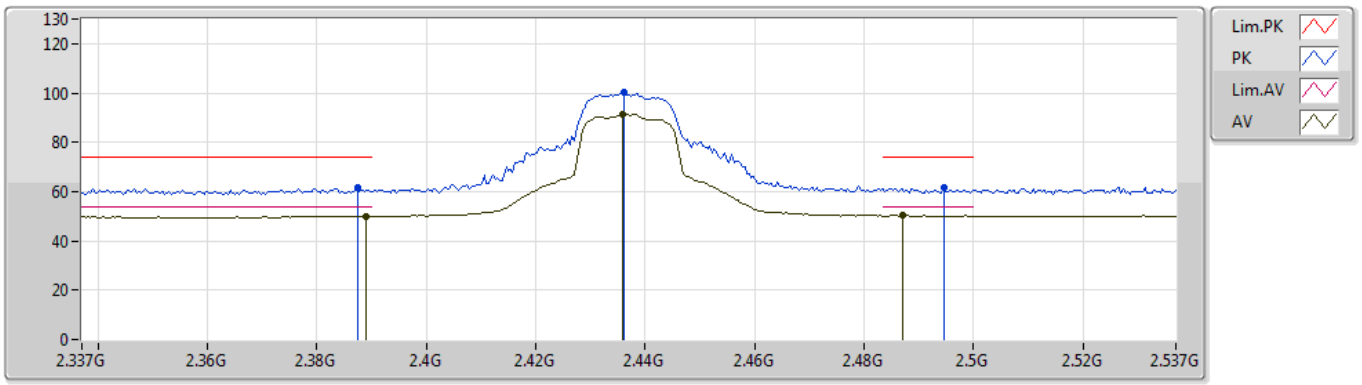


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	51.15	54.00	-2.85	32.23	3	Horizontal	10	1.20	-
AV	2.418G	93.20	Inf	-Inf	32.17	3	Horizontal	10	1.20	-
PK	2.3854G	65.85	74.00	-8.15	32.24	3	Horizontal	10	1.20	-
PK	2.4182G	102.43	Inf	-Inf	32.17	3	Horizontal	10	1.20	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

19/05/2019

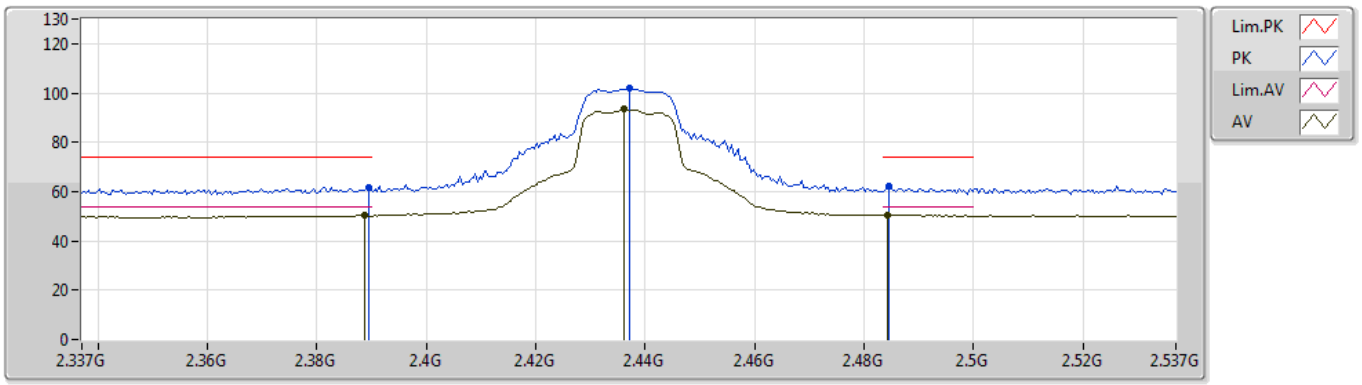


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.389G	50.09	54.00	-3.91	32.22	3	Vertical	161	1.50	-
AV	2.4358G	91.34	Inf	-Inf	32.16	3	Vertical	161	1.50	-
AV	2.487G	50.26	54.00	-3.74	32.10	3	Vertical	161	1.50	-
PK	2.3874G	61.42	74.00	-12.58	32.23	3	Vertical	161	1.50	-
PK	2.4362G	100.20	Inf	-Inf	32.16	3	Vertical	161	1.50	-
PK	2.4946G	61.75	74.00	-12.25	32.09	3	Vertical	161	1.50	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

19/05/2019

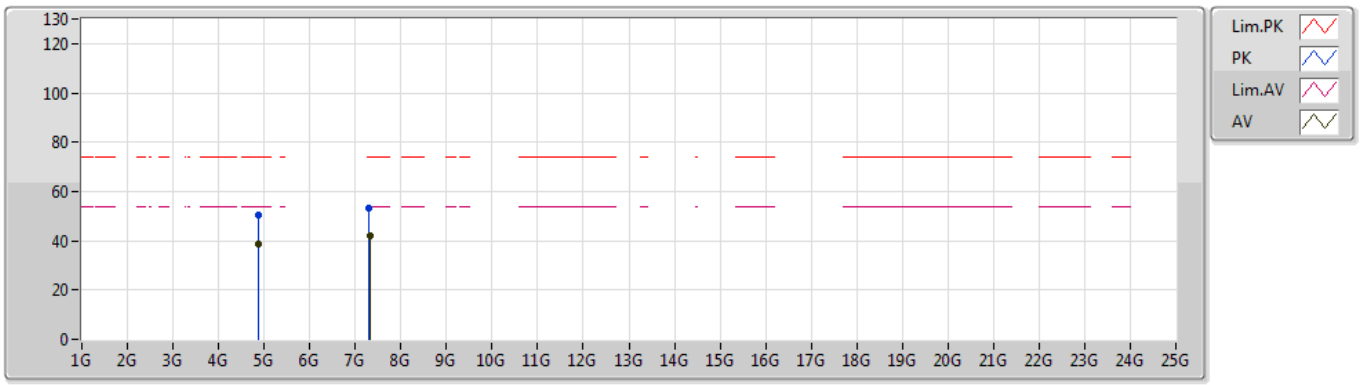


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3886G	50.53	54.00	-3.47	32.23	3	Horizontal	11	1.00	-
AV	2.4362G	93.46	Inf	-Inf	32.16	3	Horizontal	11	1.00	-
AV	2.4842G	50.49	54.00	-3.51	32.10	3	Horizontal	11	1.00	-
PK	2.3894G	61.78	74.00	-12.22	32.23	3	Horizontal	11	1.00	-
PK	2.437G	102.16	Inf	-Inf	32.16	3	Horizontal	11	1.00	-
PK	2.4846G	61.99	74.00	-12.01	32.10	3	Horizontal	11	1.00	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

19/05/2019

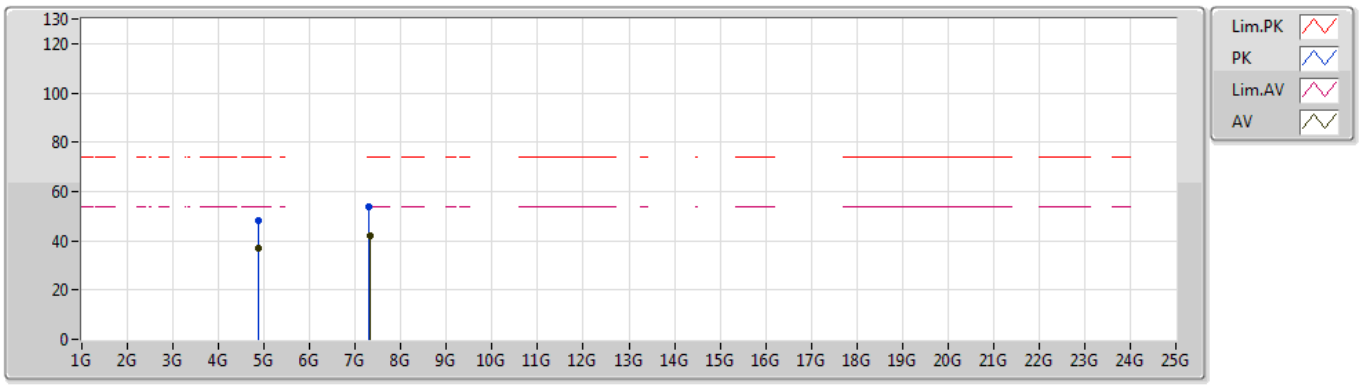


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87352G	38.85	54.00	-15.15	8.25	3	Vertical	109	1.75	-
AV	7.31568G	41.84	54.00	-12.16	14.45	3	Vertical	319	2.08	-
PK	4.87328G	50.69	74.00	-23.31	8.25	3	Vertical	109	1.75	-
PK	7.30506G	53.37	74.00	-20.63	14.49	3	Vertical	319	2.08	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

19/05/2019

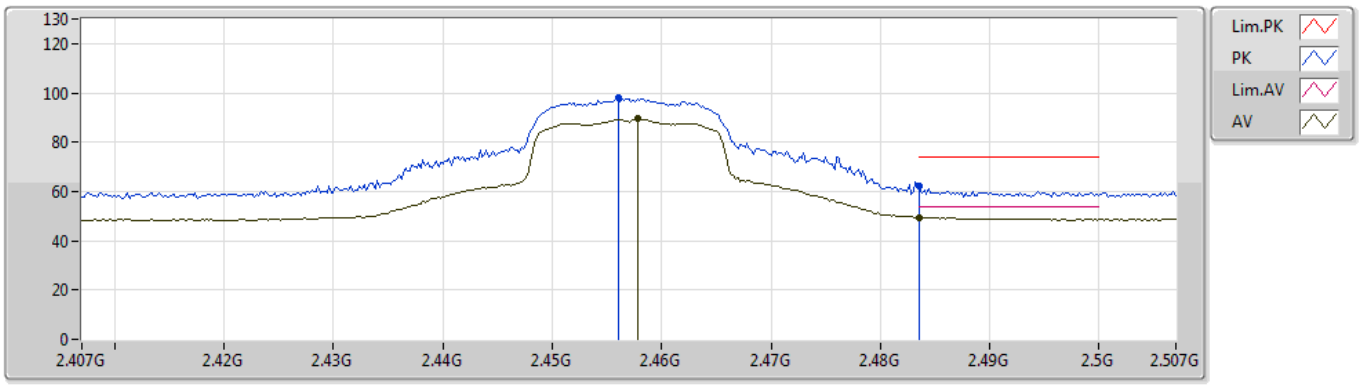


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87448G	36.94	54.00	-17.06	8.25	3	Horizontal	75	1.64	-
AV	7.31034G	41.85	54.00	-12.15	14.47	3	Horizontal	126	1.99	-
PK	4.87112G	48.18	74.00	-25.82	8.25	3	Horizontal	75	1.64	-
PK	7.30314G	53.90	74.00	-20.10	14.50	3	Horizontal	126	1.99	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

19/05/2019

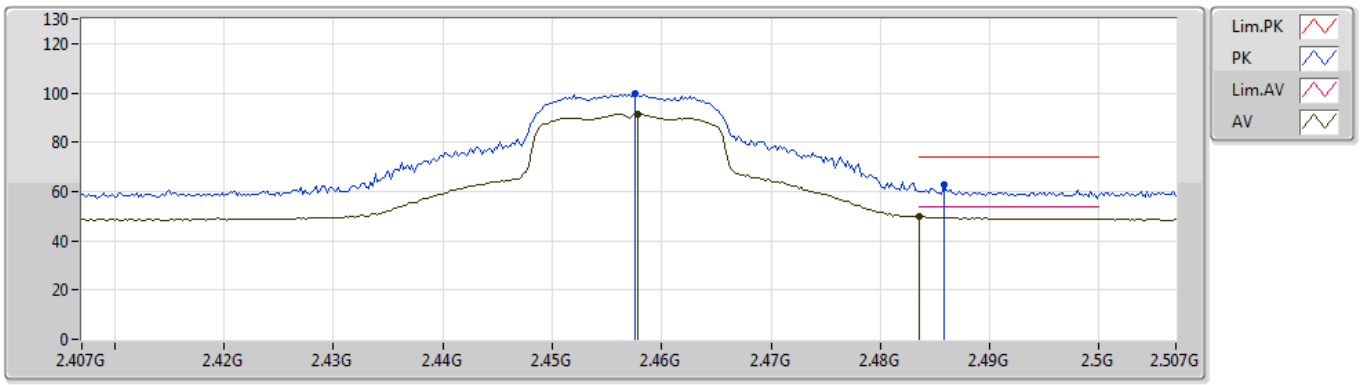


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	89.39	Inf	-Inf	32.13	3	Vertical	157	1.71	-
AV	2.4835G	49.52	54.00	-4.48	32.10	3	Vertical	157	1.71	-
PK	2.456G	97.99	Inf	-Inf	32.13	3	Vertical	157	1.71	-
PK	2.4835G	61.93	74.00	-12.07	32.10	3	Vertical	157	1.71	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

19/05/2019

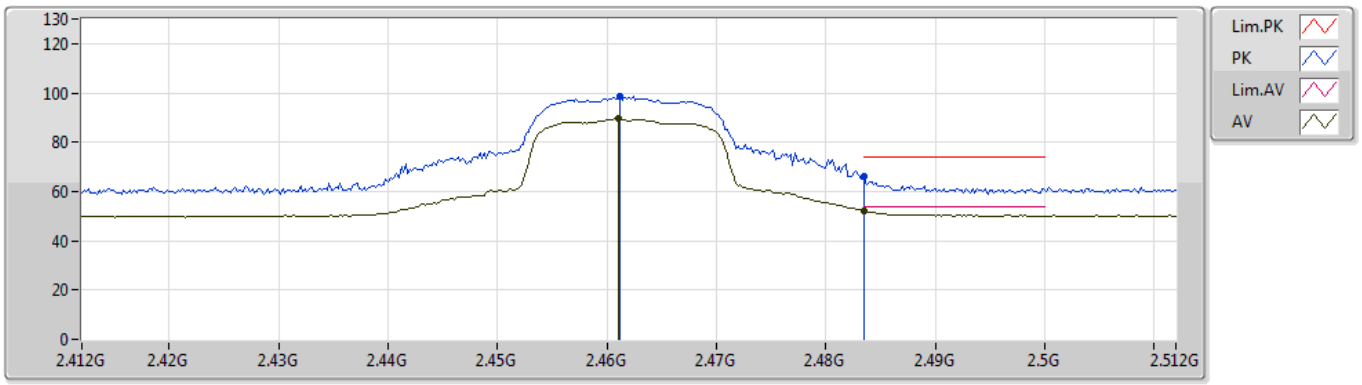


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4578G	91.47	Inf	-Inf	32.13	3	Horizontal	354	2.27	-
AV	2.4835G	49.77	54.00	-4.23	32.10	3	Horizontal	354	2.27	-
PK	2.4576G	99.55	Inf	-Inf	32.13	3	Horizontal	354	2.27	-
PK	2.4858G	62.50	74.00	-11.50	32.10	3	Horizontal	354	2.27	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

19/05/2019

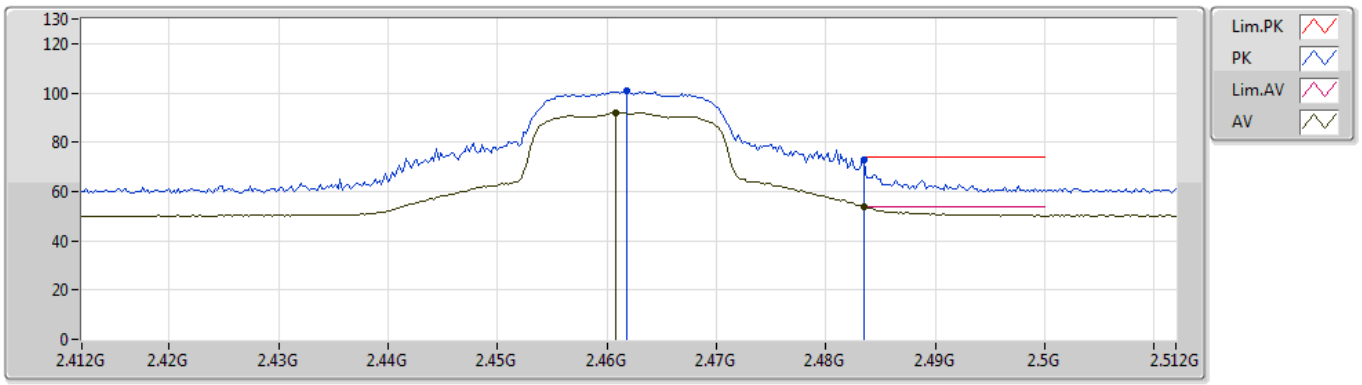


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.461G	89.47	Inf	-Inf	32.13	3	Vertical	157	1.72	-
AV	2.4835G	52.33	54.00	-1.67	32.10	3	Vertical	157	1.72	-
PK	2.4612G	98.43	Inf	-Inf	32.13	3	Vertical	157	1.72	-
PK	2.4835G	66.28	74.00	-7.72	32.10	3	Vertical	157	1.72	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

19/05/2019

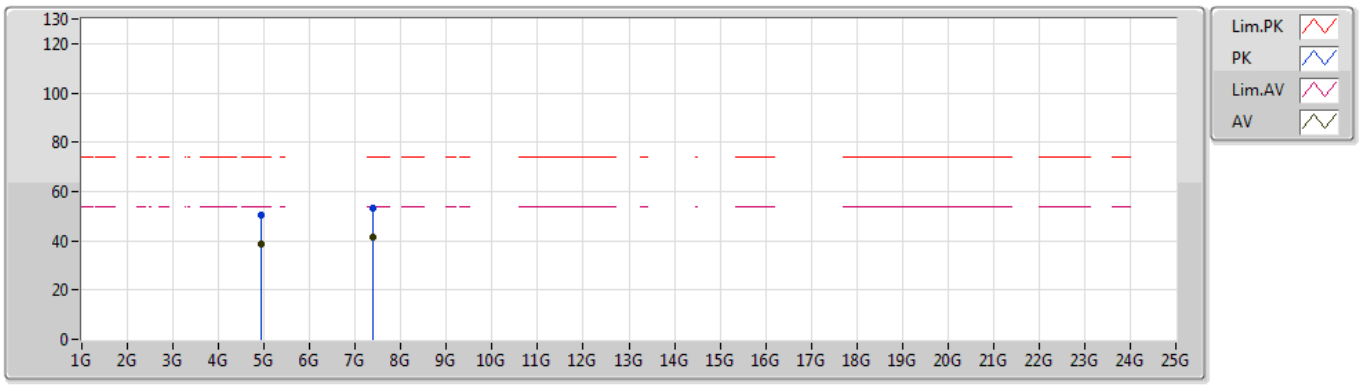


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4608G	91.99	Inf	-Inf	32.13	3	Horizontal	9	1.37	-
AV	2.4835G	53.70	54.00	-0.30	32.10	3	Horizontal	9	1.37	-
PK	2.4618G	100.60	Inf	-Inf	32.13	3	Horizontal	9	1.37	-
PK	2.4835G	72.97	74.00	-1.03	32.10	3	Horizontal	9	1.37	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

19/05/2019

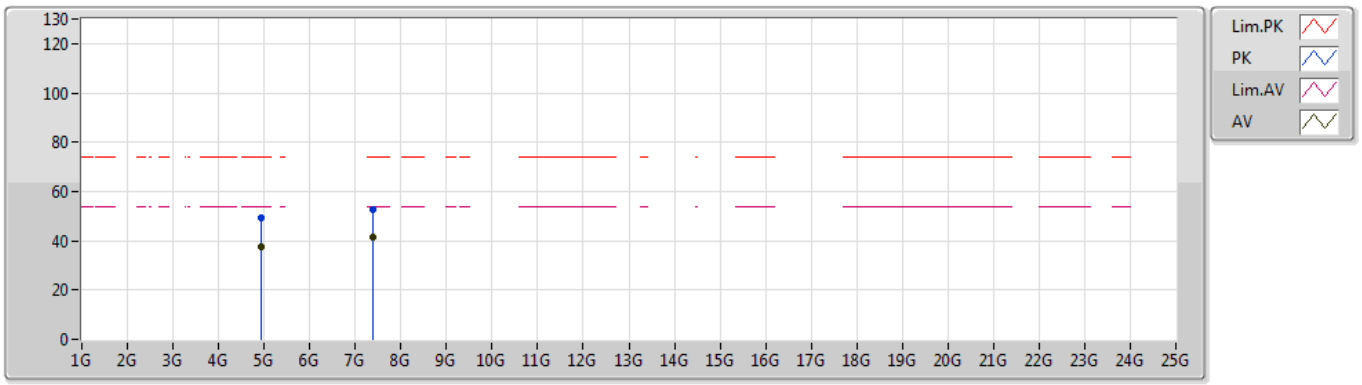


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9246G	38.66	54.00	-15.34	8.39	3	Vertical	149	1.43	-
AV	7.37214G	41.28	54.00	-12.72	14.26	3	Vertical	6	2.41	-
PK	4.92352G	50.56	74.00	-23.44	8.39	3	Vertical	149	1.43	-
PK	7.37526G	52.99	74.00	-21.01	14.24	3	Vertical	6	2.41	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

19/05/2019

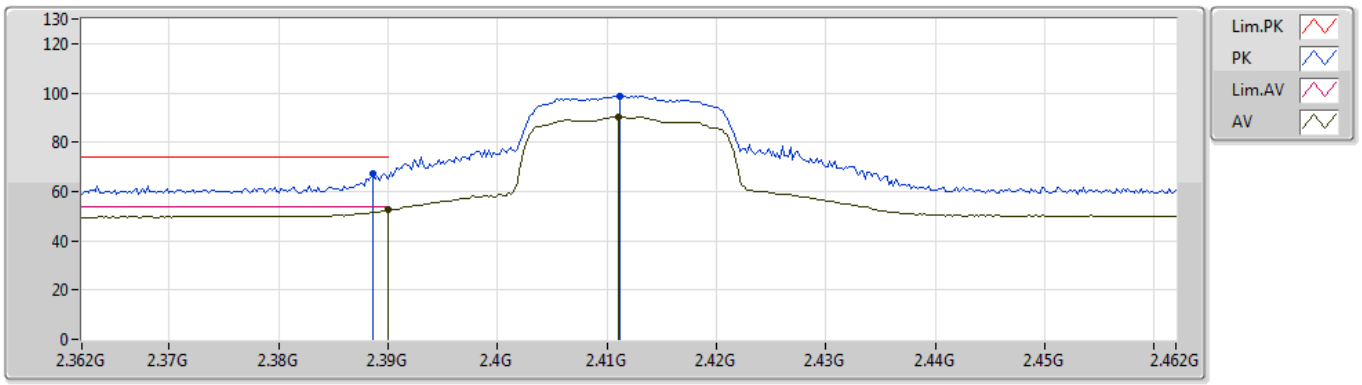


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92364G	37.51	54.00	-16.49	8.39	3	Horizontal	76	1.81	-
AV	7.37106G	41.30	54.00	-12.70	14.26	3	Horizontal	241	2.06	-
PK	4.92412G	49.09	74.00	-24.91	8.39	3	Horizontal	76	1.81	-
PK	7.37178G	52.93	74.00	-21.07	14.26	3	Horizontal	241	2.06	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

19/05/2019

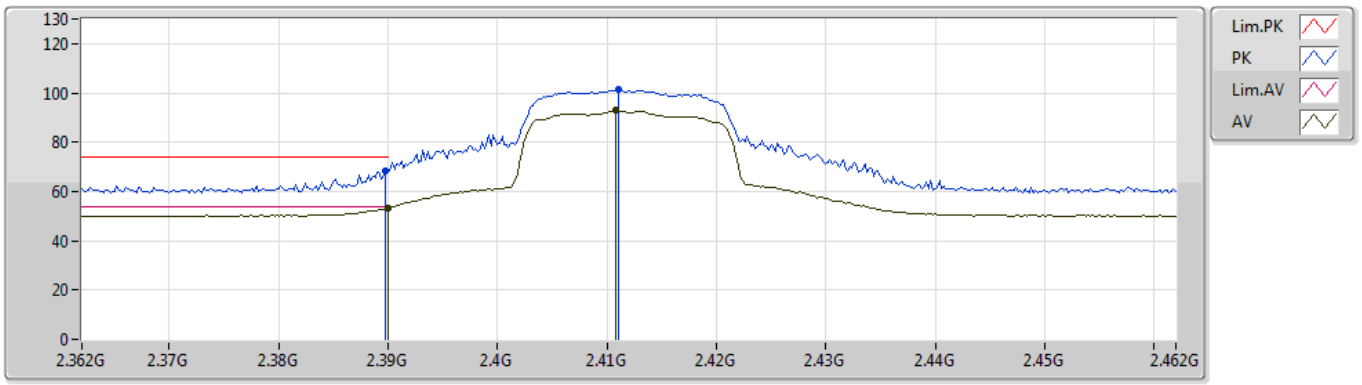


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	52.44	54.00	-1.56	32.23	3	Vertical	164	1.50	-
AV	2.411G	90.40	Inf	-Inf	32.19	3	Vertical	164	1.50	-
PK	2.3886G	67.45	74.00	-6.55	32.23	3	Vertical	164	1.50	-
PK	2.4112G	98.85	Inf	-Inf	32.19	3	Vertical	164	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

19/05/2019

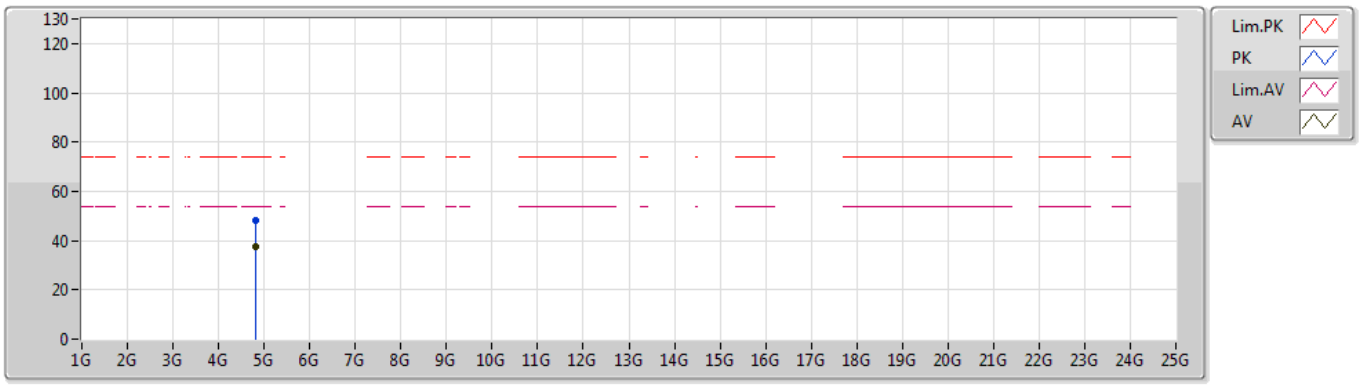


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.25	54.00	-0.75	32.23	3	Horizontal	10	1.31	-
AV	2.4108G	92.77	Inf	-Inf	32.19	3	Horizontal	10	1.31	-
PK	2.3898G	68.44	74.00	-5.56	32.23	3	Horizontal	10	1.31	-
PK	2.411G	101.37	Inf	-Inf	32.19	3	Horizontal	10	1.31	-

802.11n HT20_Nss1,(MCS0)_1TX

19/05/2019

2412MHz_TX

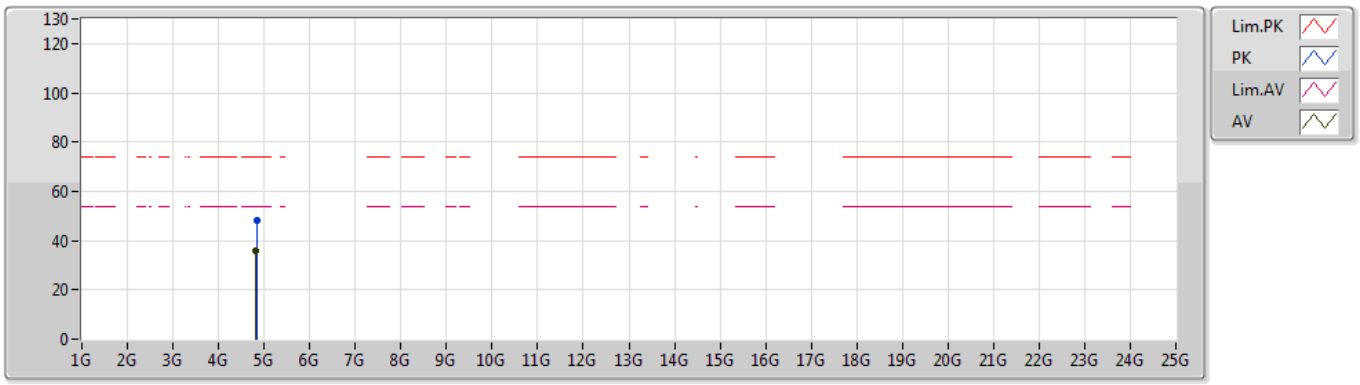


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.824G	37.44	54.00	-16.56	8.16	3	Vertical	114	1.75	-
PK	4.82604G	48.36	74.00	-25.64	8.17	3	Vertical	114	1.75	-

802.11n HT20_Nss1,(MCS0)_1TX

19/05/2019

2412MHz_TX

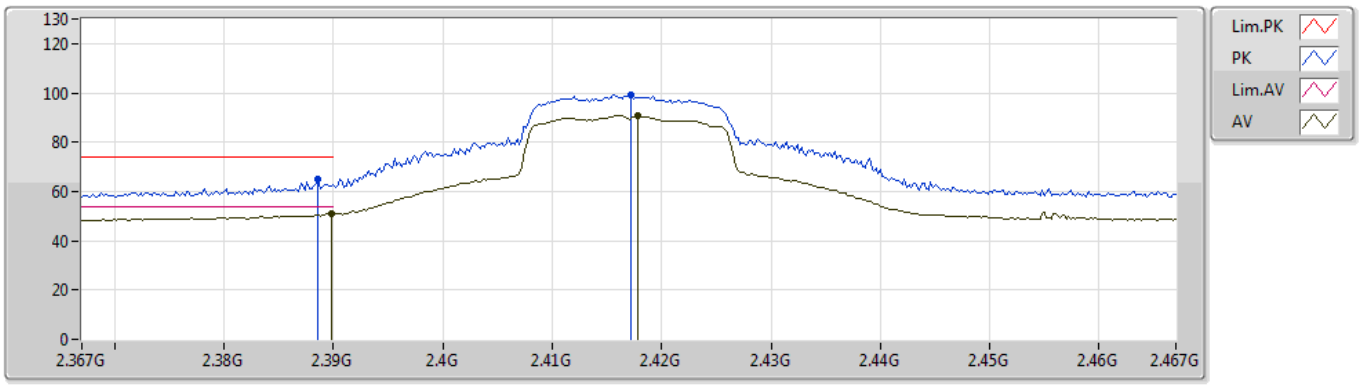


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82394G	35.98	54.00	-18.02	8.16	3	Horizontal	76	1.79	-
PK	4.82952G	48.02	74.00	-25.98	8.17	3	Horizontal	76	1.79	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

19/05/2019

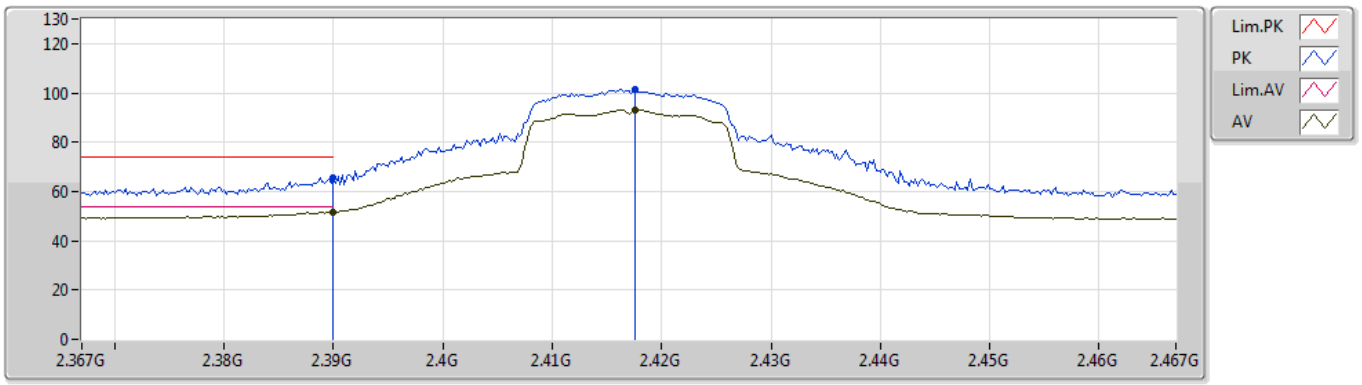


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.75	54.00	-3.25	32.23	3	Vertical	162	1.51	-
AV	2.4178G	90.62	Inf	-Inf	32.17	3	Vertical	162	1.51	-
PK	2.3886G	64.93	74.00	-9.07	32.23	3	Vertical	162	1.51	-
PK	2.4172G	99.14	Inf	-Inf	32.18	3	Vertical	162	1.51	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

19/05/2019

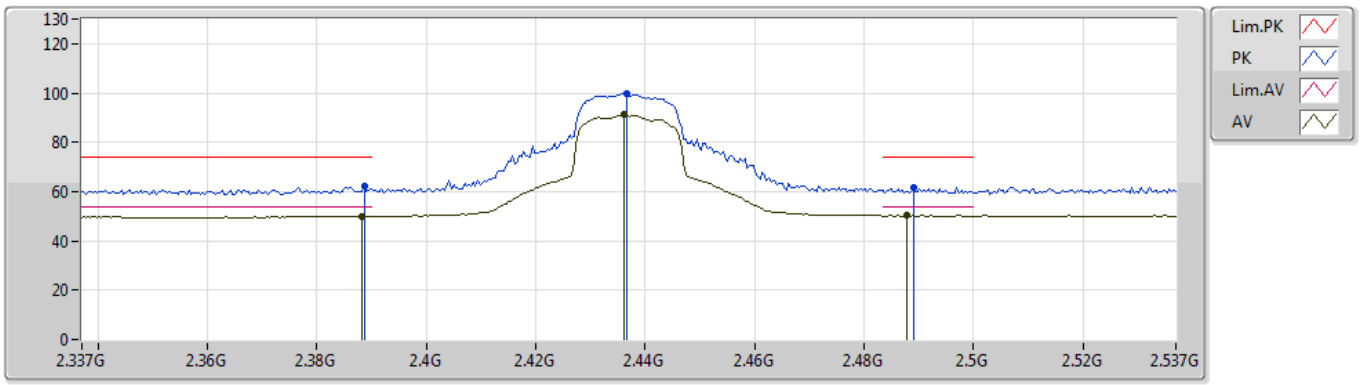


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	51.73	54.00	-2.27	32.23	3	Horizontal	9	1.19	-
AV	2.4176G	92.96	Inf	-Inf	32.17	3	Horizontal	9	1.19	-
PK	2.39G	65.68	74.00	-8.32	32.23	3	Horizontal	9	1.19	-
PK	2.4176G	101.20	Inf	-Inf	32.17	3	Horizontal	9	1.19	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

19/05/2019

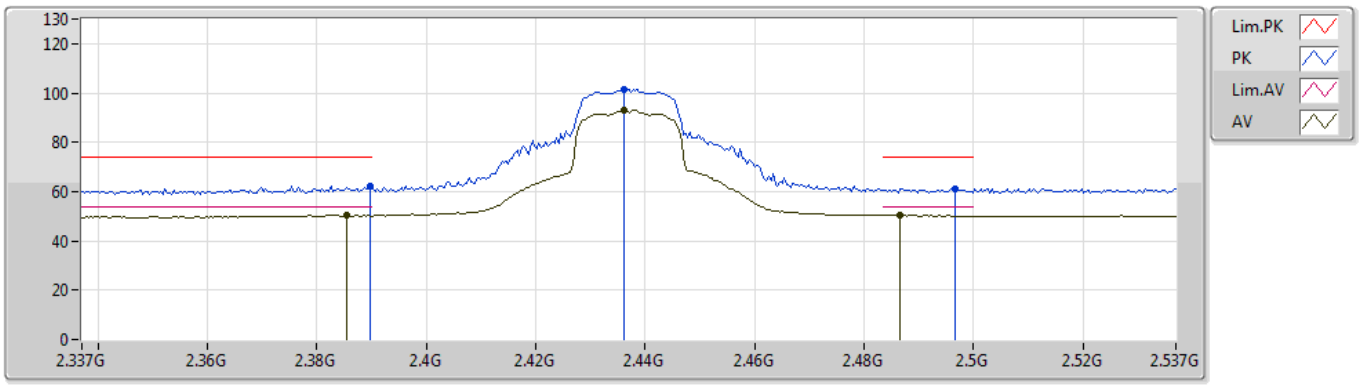


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3882G	50.09	54.00	-3.91	32.23	3	Vertical	160	1.49	-
AV	2.4362G	91.31	Inf	-Inf	32.16	3	Vertical	160	1.49	-
AV	2.4878G	50.48	54.00	-3.52	32.09	3	Vertical	160	1.49	-
PK	2.3886G	62.25	74.00	-11.75	32.23	3	Vertical	160	1.49	-
PK	2.4366G	99.67	Inf	-Inf	32.16	3	Vertical	160	1.49	-
PK	2.489G	61.57	74.00	-12.43	32.09	3	Vertical	160	1.49	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

19/05/2019

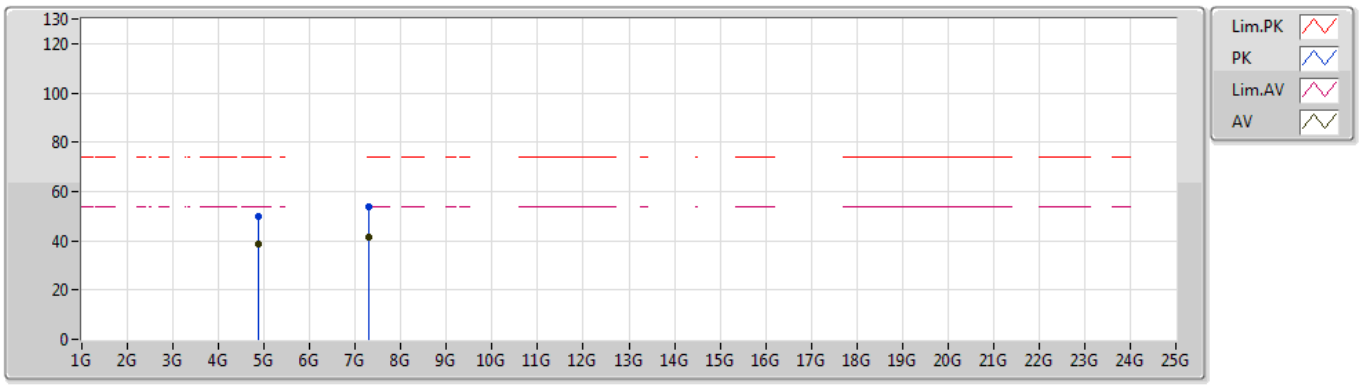


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3854G	50.50	54.00	-3.50	32.24	3	Horizontal	0	1.01	-
AV	2.4362G	92.90	Inf	-Inf	32.16	3	Horizontal	0	1.01	-
AV	2.4866G	50.49	54.00	-3.51	32.10	3	Horizontal	0	1.01	-
PK	2.3898G	62.47	74.00	-11.53	32.23	3	Horizontal	0	1.01	-
PK	2.4362G	101.24	Inf	-Inf	32.16	3	Horizontal	0	1.01	-
PK	2.4966G	61.20	74.00	-12.80	32.09	3	Horizontal	0	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

19/05/2019

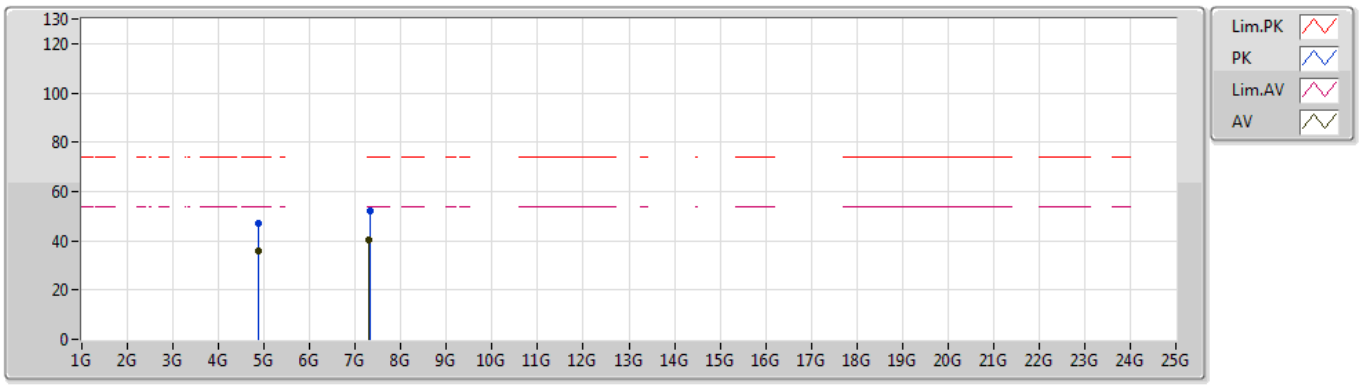


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8737G	38.63	54.00	-15.37	8.25	3	Vertical	116	1.74	-
AV	7.29666G	41.72	54.00	-12.28	14.51	3	Vertical	268	1.07	-
PK	4.86872G	49.79	74.00	-24.21	8.25	3	Vertical	116	1.74	-
PK	7.30482G	53.52	74.00	-20.48	14.50	3	Vertical	268	1.07	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

19/05/2019

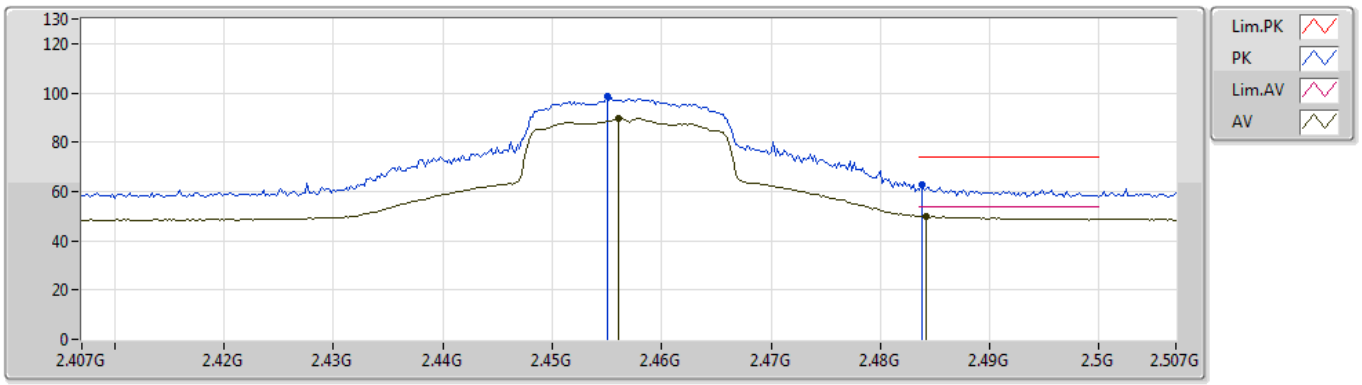


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.874G	35.63	54.00	-18.37	8.25	3	Horizontal	76	1.65	-
AV	7.29744G	40.46	54.00	-13.54	14.51	3	Horizontal	117	2.29	-
PK	4.87448G	47.11	74.00	-26.89	8.25	3	Horizontal	76	1.65	-
PK	7.31646G	51.97	74.00	-22.03	14.45	3	Horizontal	279	2.30	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

19/05/2019

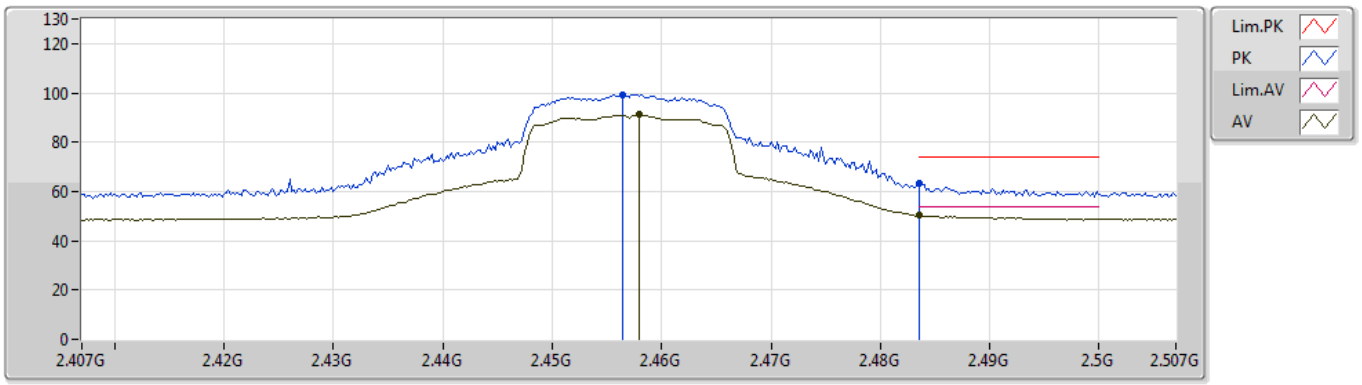


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.456G	89.42	Inf	-Inf	32.13	3	Vertical	162	1.42	-
AV	2.4842G	50.02	54.00	-3.98	32.10	3	Vertical	162	1.42	-
PK	2.455G	98.61	Inf	-Inf	32.13	3	Vertical	162	1.42	-
PK	2.4838G	63.02	74.00	-10.98	32.10	3	Vertical	162	1.42	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

19/05/2019

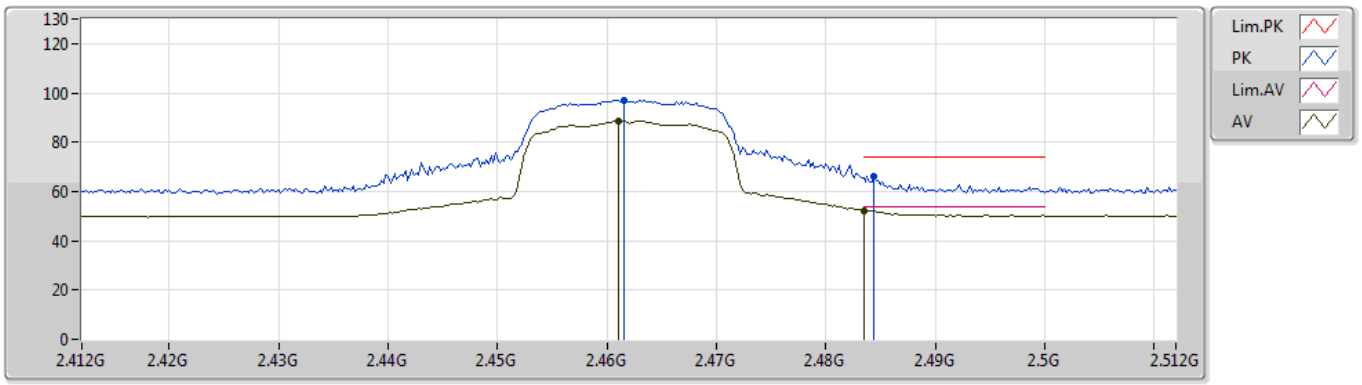


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.458G	91.15	Inf	-Inf	32.13	3	Horizontal	356	2.26	-
AV	2.4835G	50.25	54.00	-3.75	32.10	3	Horizontal	356	2.26	-
PK	2.4564G	99.40	Inf	-Inf	32.14	3	Horizontal	356	2.26	-
PK	2.4835G	63.18	74.00	-10.82	32.10	3	Horizontal	356	2.26	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

19/05/2019

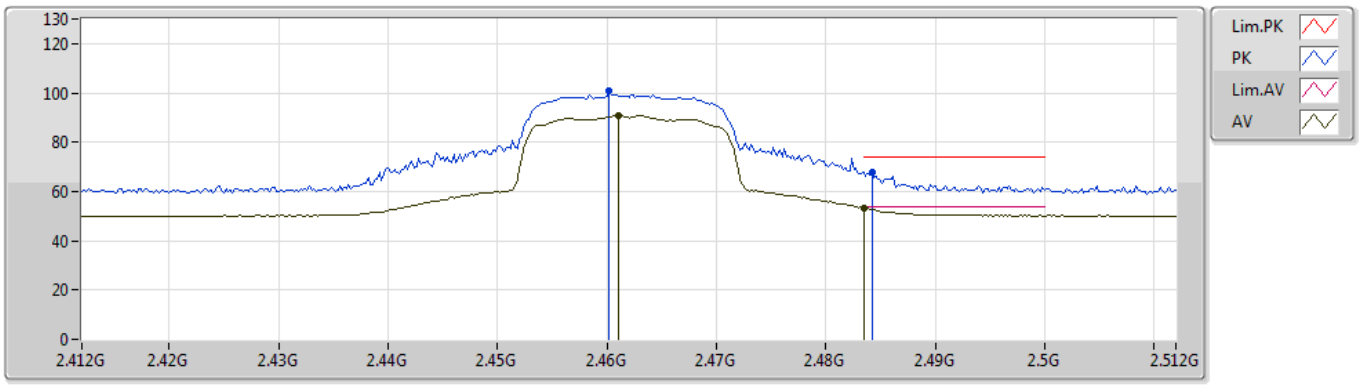


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.461G	88.60	Inf	-Inf	32.13	3	Vertical	151	1.62	-
AV	2.4835G	52.14	54.00	-1.86	32.10	3	Vertical	151	1.62	-
PK	2.4616G	97.13	Inf	-Inf	32.13	3	Vertical	151	1.62	-
PK	2.4844G	66.25	74.00	-7.75	32.10	3	Vertical	151	1.62	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

19/05/2019

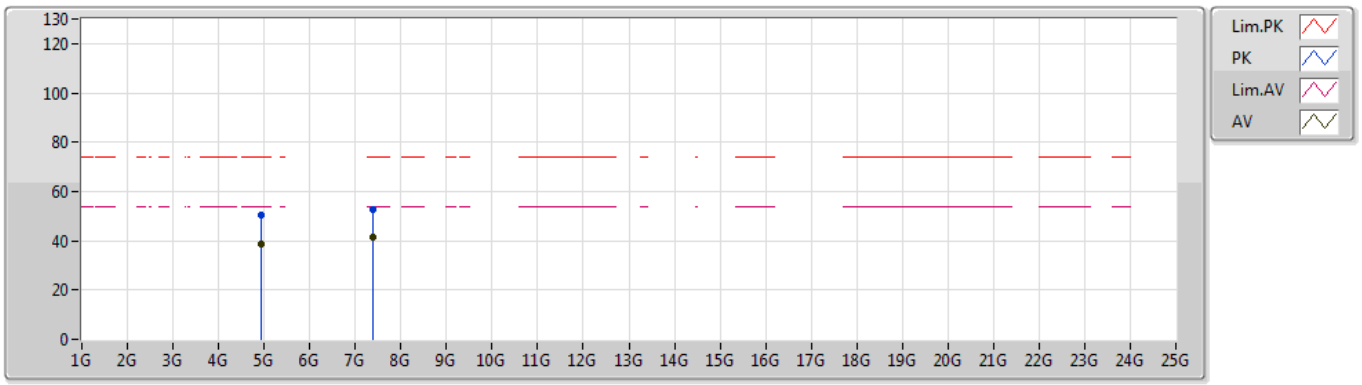


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.461G	90.77	Inf	-Inf	32.13	3	Horizontal	22	1.36	-
AV	2.4835G	53.21	54.00	-0.79	32.10	3	Horizontal	22	1.36	-
PK	2.4602G	100.67	Inf	-Inf	32.13	3	Horizontal	22	1.36	-
PK	2.4842G	67.92	74.00	-6.08	32.10	3	Horizontal	22	1.36	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

19/05/2019

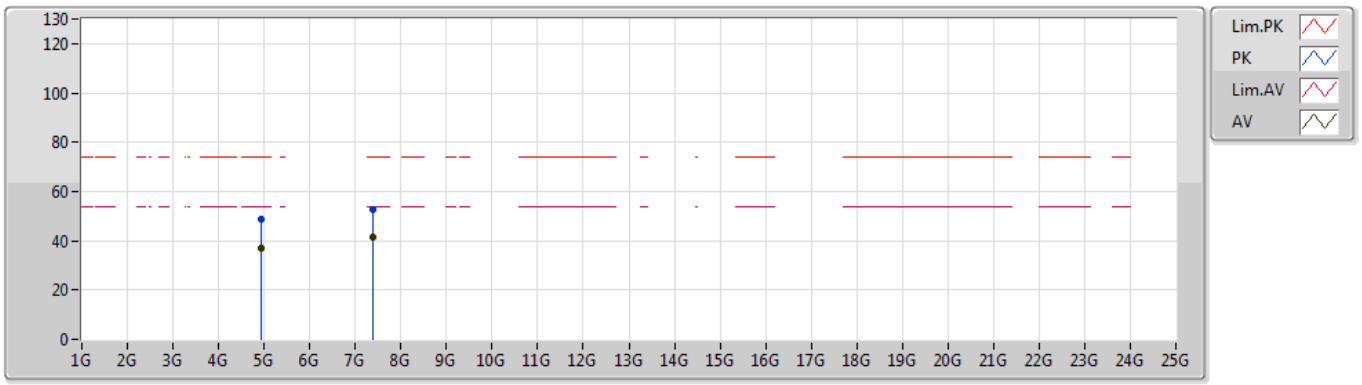


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92364G	38.73	54.00	-15.27	8.39	3	Vertical	148	1.15	-
AV	7.37136G	41.29	54.00	-12.71	14.26	3	Vertical	102	2.04	-
PK	4.92424G	50.17	74.00	-23.83	8.39	3	Vertical	148	1.15	-
PK	7.37838G	52.80	74.00	-21.20	14.24	3	Vertical	102	2.04	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

19/05/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.921G	37.17	54.00	-16.83	8.37	3	Horizontal	77	1.79	-
AV	7.37424G	41.34	54.00	-12.66	14.25	3	Horizontal	133	1.31	-
PK	4.9219G	48.47	74.00	-25.53	8.39	3	Horizontal	77	1.79	-
PK	7.37874G	52.85	74.00	-21.15	14.24	3	Horizontal	133	1.31	-