FCC Test Report

FCC ID	:	**TE7KC300**
Equipment	:	**Kasa Wire-Free Camera System**
Brand Name	:	**tp-link**
Model Name	:	**KC300**
Applicant/ Manufacturer	:	**TP-Link Technologies Co., Ltd. Building 24 (floors 1,3,4,5) and 28 (floors1-4), Central Science and Technology Park,Nanshan Shenzhen, 518057 China**
Standard	:	**47 CFR FCC Part 15.247**

The product was received on Mar. 28, 2019, and testing was started from Apr. 11, 2019 and completed on May 14, 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
FR8O2218-01AC	01	Initial issue of report	Jun. 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, 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	TP-LINK	I1030-JI035REV1.0	PCB dipole	I-PEX
2	TP-LINK	I1030-JI035REV1.0	PCB dipole	I-PEX
3	TP-LINK	I2020-ED000REV1.0	Monopole	I-PEX

Ant.	Port	Gain (dBi)	
		2.4G	DSSS(902~928MHz)
1	1	3.24	-
2	2	3.24	-
3	1	-	1.66

Note 1: The EUT has three antennas.

For 2.4GHz function:

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

Support diversity function and pre-tested on Ant 1 and Ant 2, the worst case was Ant. 2(port 2) and it was record in this test report.

For DSSS (902~928MHz):

Only Ant. 3 (port 1) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / Battery			
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	0.992	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.951	0.22	2.066m	1k
802.11n HT20	0.951	0.22	1.922m	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	TH06-HY	Gary	23.1~24.6°C/61~69%	11/Apr/2019~14/May/2019
Radiated	03CH02-HY	Edward	22.3~25.1°C/50.6~61.2%	11/Apr/2019~09/May/2019
AC Conduction	CO04-HY	Lego	20.2-22.5°C/54.2-56.5%	12/Apr/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	120V

2.2 Test Channel Mode

Test Software Version	DoS

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_1TX(Port2)	-
2412MHz	21
2417MHz	21
2437MHz	23
2457MHz	21
2462MHz	21
802.11g_Nss1,(6Mbps)_1TX(Port2)	-
2412MHz	17
2417MHz	18
2437MHz	19
2457MHz	18
2462MHz	17
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-
2412MHz	15
2417MHz	17
2437MHz	21
2457MHz	18
2462MHz	15

2.3 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+DSSS(902~928MHz)
Refer to Sporton Test Report No.: FA8O2218-01 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
AC Adapter	Brand Name	TEN PAO INTERNATIONAL LTD.	Model Name	SO18BYU1200150
	Manufacturer	TEN PAO INTERNATIONAL LTD.	SN	N/A
	Power Rating	I/P: 100 - 240Vac, 0.6 A, O/P: 12Vdc, 1.5A / 9Vdc, 2A / 5Vdc, 3A		
Battery	Brand Name	tp-link	Model Name	KA300B
	Manufacturer	TP-Link Technologies Co., Ltd.	SN	1ICR19/66-2
	Power Rating	3.63Vdc,6700mAh	Type	Li-ion
Type C Data cable	Brand Name	Freeport Resources Enterprises Corp	Model Name	VC-02
	Manufacturer	Freeport Resources Enterprises Corp	SN	N/A
	Signal Line	2.14meter, non-shielded cable, w/o ferrite core		

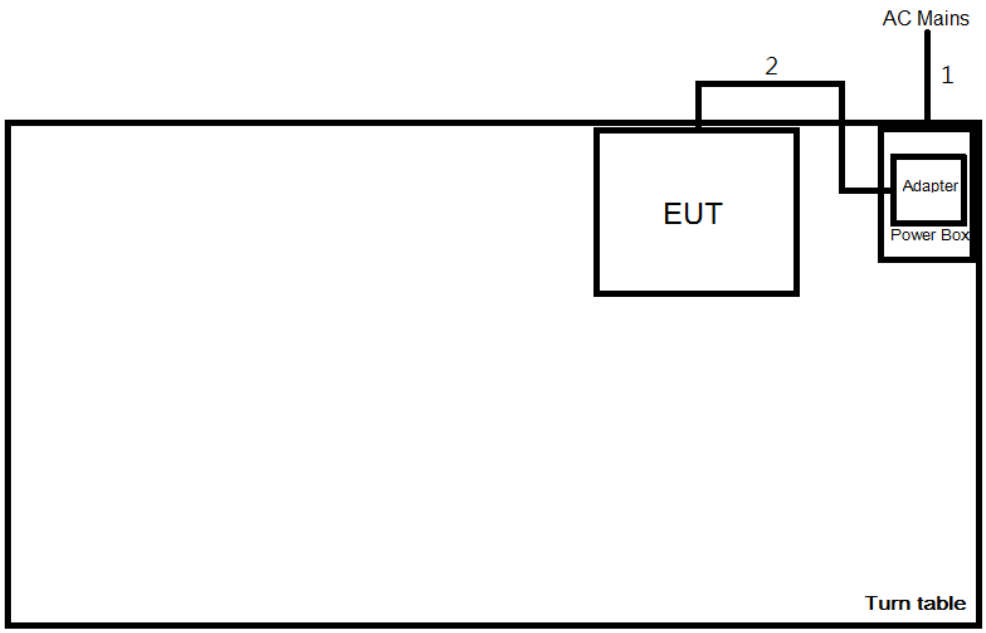
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

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

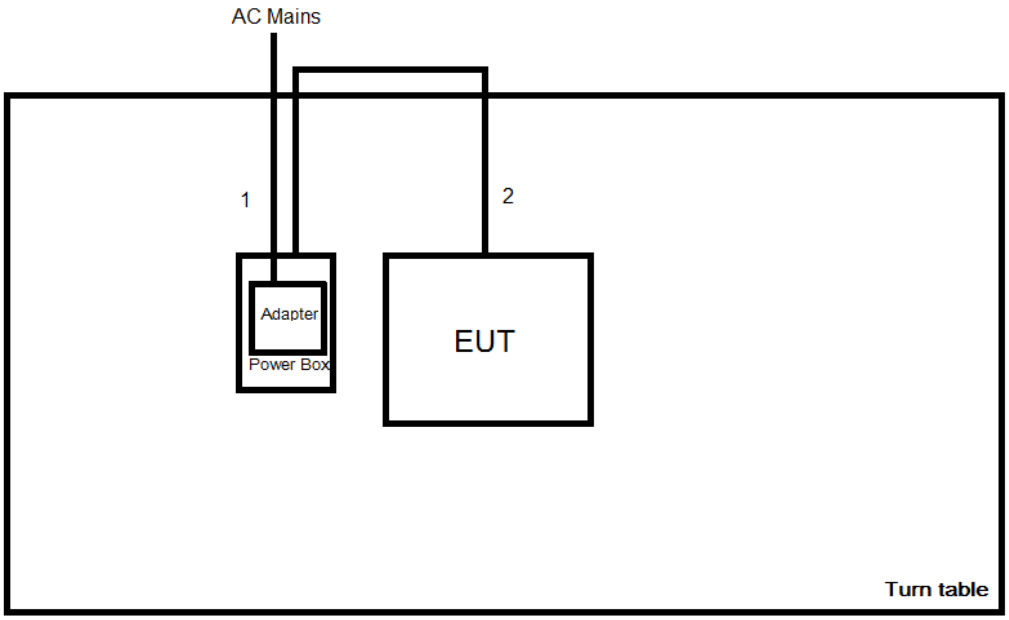
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1.	AC Power line	No	1.5	-
2.	Type C Data cable	No	2.14	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1.	AC Power line	No	1.5	-
2.	Type C Data cable	No	2.14	-

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

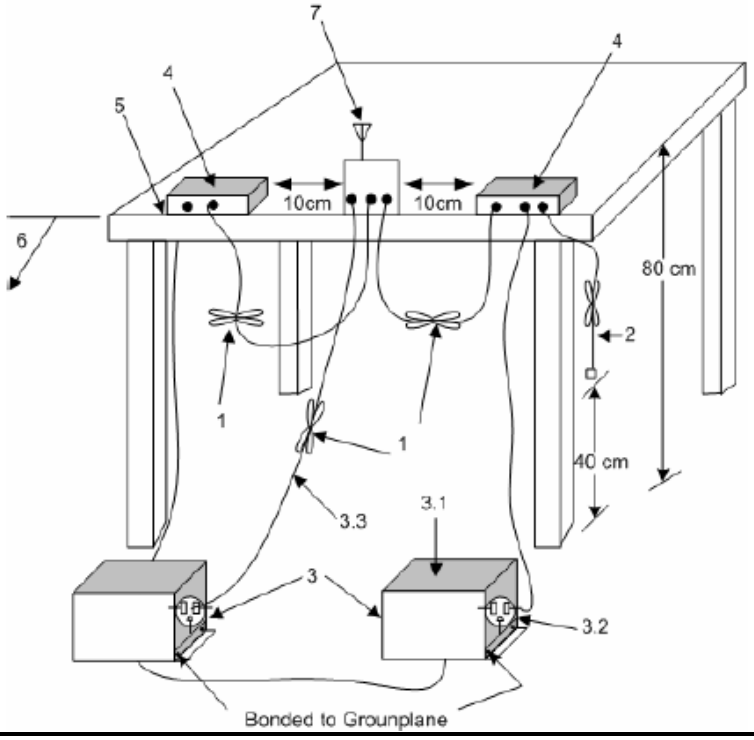
Refer a test equipment and calibration data table in this test report.

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

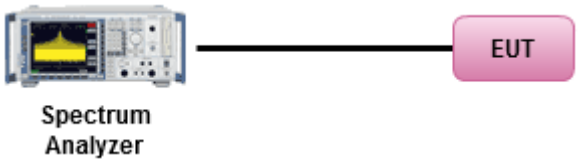
Refer a test equipment and calibration data table in this test report.

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.		

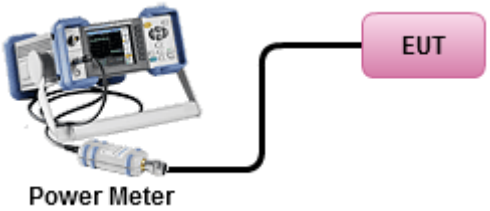
3.3.2 Measuring Instruments

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

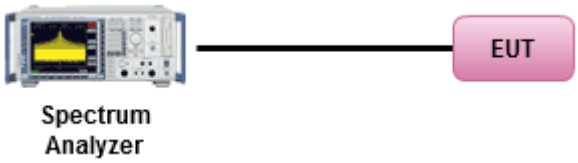
3.4.2 Measuring Instruments

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.	

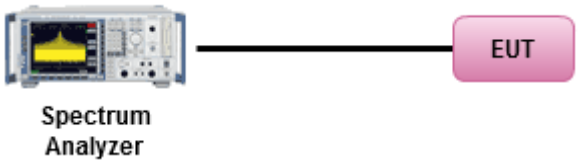
3.5.2 Measuring Instruments

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.

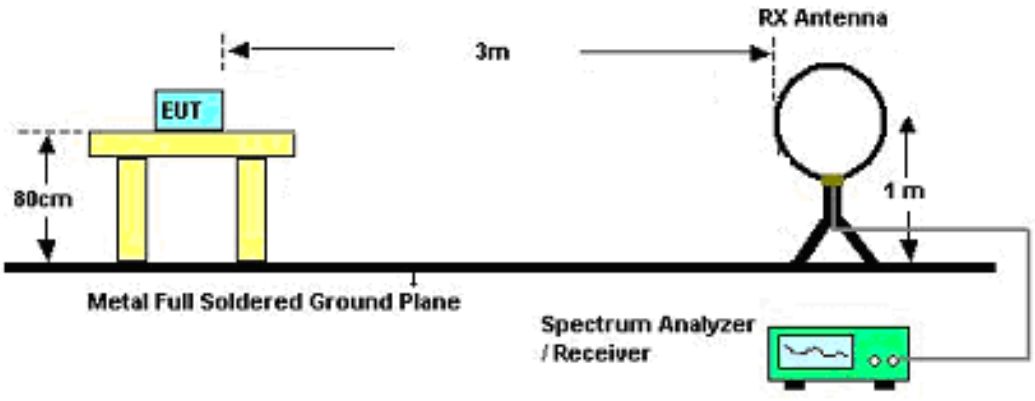
3.6.2 Measuring Instruments

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

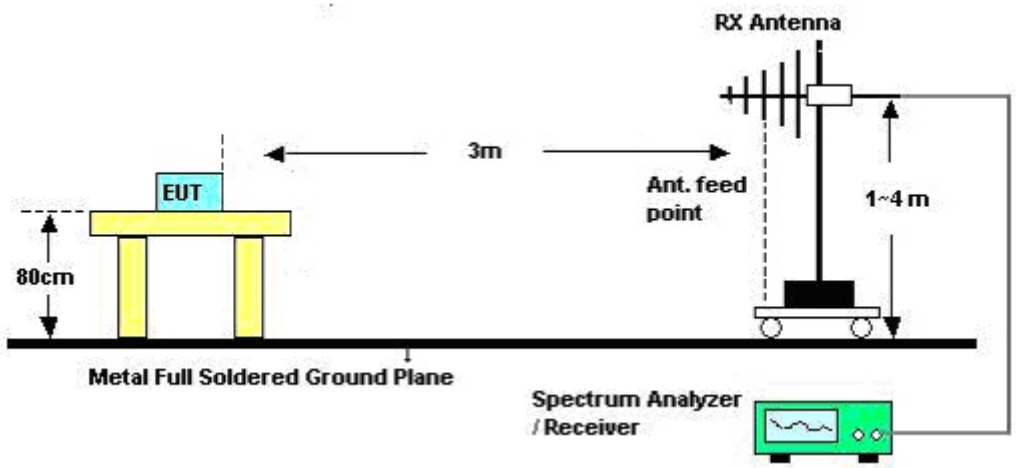
3.6.3 Test Procedures

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.

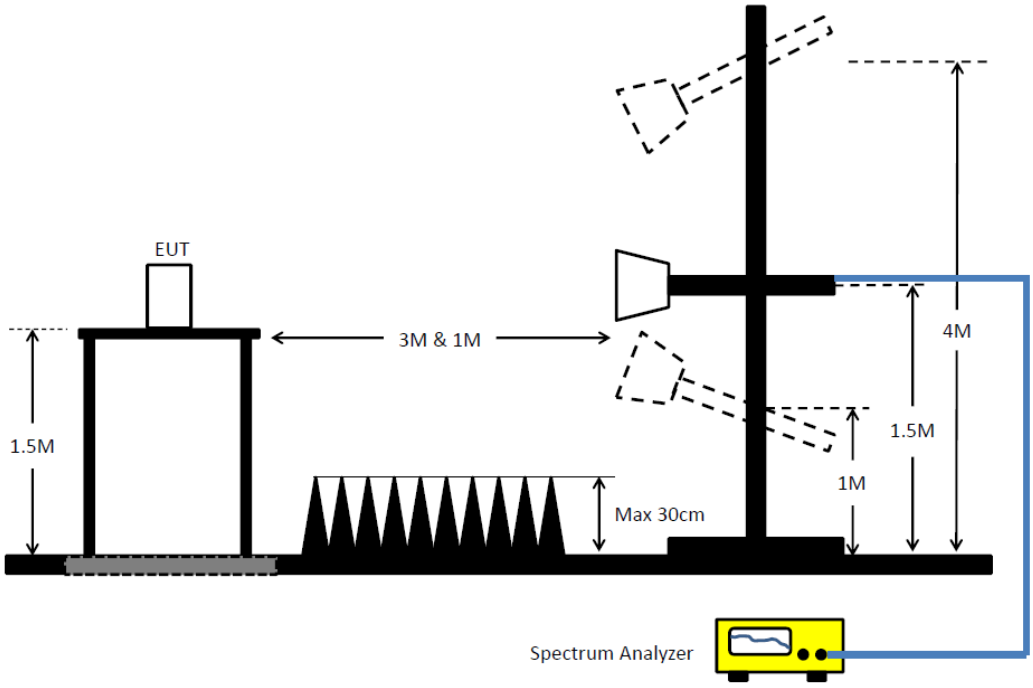
3.6.4 Test Setup

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	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

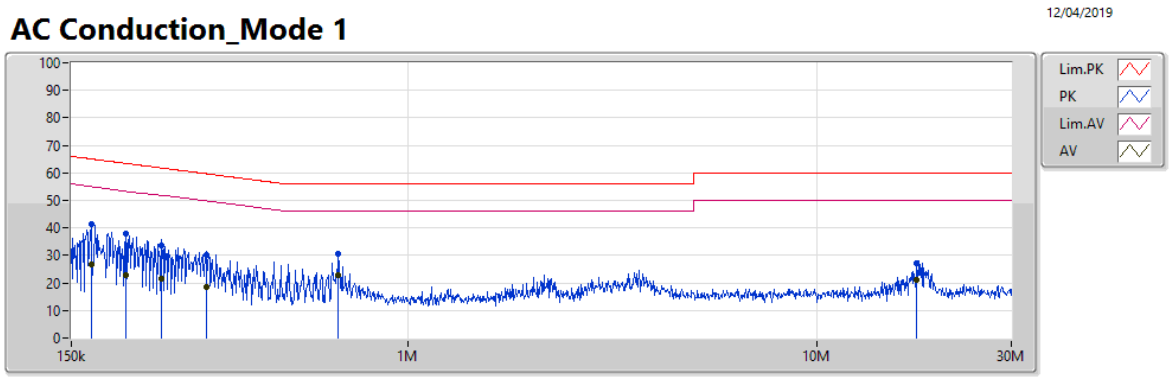
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	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	18/Jan/2019	17/Jan/2020
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	18/Jan/2019	17/Jan/2020
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz ~ 1GHz	08/Sep/2018	07/Sep/2019
EMI Test Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	09/Apr/2019	08/Apr/2020
Loop Antenna	TESEQ	HLA 6120	31244	9k-30MHz	15/Mar/2019	14/Mar/2020
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz ~ 40GHz	22/Mar/2019	21/Mar/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 01543	1GHz ~ 18GHz	11/May/2018	10/May/2019

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101029	10Hz~40GHz	11/Sep/2018	10/Sep/2019
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	19/Feb/2019	18/Feb/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	19/Feb/2019	18/Feb/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	30MHz~1G	11/Jan/2019	10/Jan/2020
Cable 0.2m	HUBER	MY10710/4	RF Cable - 01	1G~18G	11/Jan/2019	10/Jan/2020
Cable 0.5m	HUBER	MY10714/4	RF Cable – 05	30MHz~1G	11/Jan/2019	10/Jan/2020

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



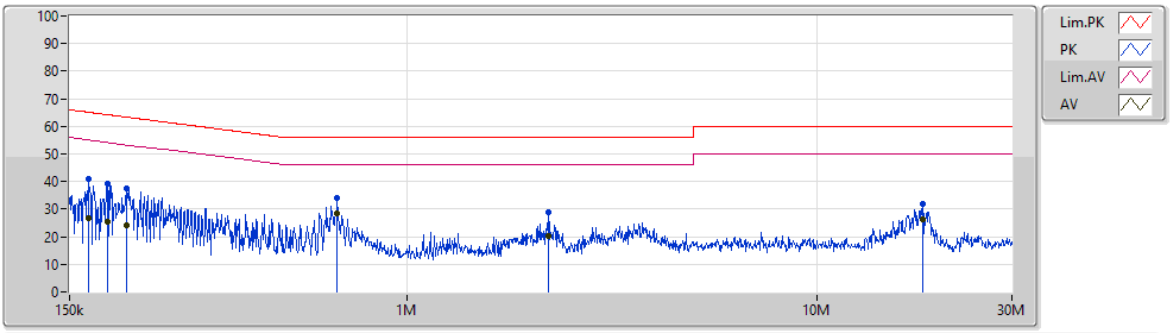
Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	167.739k	41.45	65.06	-23.61	19.48	Line	-	21.97	9.60	0.01	9.87
AV	167.739k	26.82	55.06	-28.24	19.48	Line	-	7.34	9.60	0.01	9.87
QP	203.98k	37.93	63.44	-25.51	19.48	Line	-	18.45	9.60	0.01	9.87
AV	203.98k	22.64	53.44	-30.80	19.48	Line	-	3.16	9.60	0.01	9.87
QP	250.038k	33.70	61.76	-28.06	19.48	Line	-	14.22	9.60	0.01	9.87
AV	250.038k	21.45	51.76	-30.31	19.48	Line	-	1.97	9.60	0.01	9.87
QP	320.256k	30.22	59.71	-29.49	19.48	Line	-	10.74	9.59	0.01	9.88
AV	320.256k	18.34	49.71	-31.37	19.48	Line	-	-1.14	9.59	0.01	9.88
QP	675.618k	30.57	56.00	-25.43	19.49	Line	-	11.08	9.60	0.01	9.88
AV	675.618k	22.77	46.00	-23.23	19.49	Line	"Worst"	3.28	9.60	0.01	9.88
QP	17.626M	27.08	60.00	-32.92	19.64	Line	-	7.44	9.64	0.10	9.90
AV	17.626M	21.15	50.00	-28.85	19.64	Line	-	1.51	9.64	0.10	9.90

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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

AC Conduction_Mode 1

12/04/2019



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	167.071k	40.86	65.10	-24.24	19.48	Neutral	-	21.38	9.60	0.01	9.87
AV	167.071k	26.85	55.10	-28.25	19.48	Neutral	-	7.37	9.60	0.01	9.87
QP	186.085k	39.05	64.20	-25.15	19.47	Neutral	-	19.58	9.59	0.01	9.87
AV	186.085k	25.35	54.20	-28.85	19.47	Neutral	-	5.88	9.59	0.01	9.87
QP	207.263k	37.33	63.30	-25.97	19.47	Neutral	-	17.86	9.59	0.01	9.87
AV	207.263k	24.31	53.30	-28.99	19.47	Neutral	-	4.84	9.59	0.01	9.87
QP	675.618k	34.16	56.00	-21.84	19.48	Neutral	-	14.68	9.59	0.01	9.88
AV	675.618k	28.51	46.00	-17.49	19.48	Neutral	"Worst"	9.03	9.59	0.01	9.88
QP	2.211M	28.78	56.00	-27.22	19.53	Neutral	-	9.25	9.61	0.03	9.89
AV	2.211M	20.46	46.00	-25.54	19.53	Neutral	-	0.93	9.61	0.03	9.89
QP	18.198M	32.02	60.00	-27.98	19.68	Neutral	-	12.34	9.68	0.10	9.90
AV	18.198M	26.14	50.00	-23.86	19.68	Neutral	-	6.46	9.68	0.10	9.90

Note 1: “>20dB” means emission levels that exceed the level of 20 dB below the applicable limit.
Note 2: “N/F” means Nothing Found emissions (No emissions were detected.)

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(Port2)	9.525M	14.218M	14M2G1D	7.55M	12.694M
802.11g_Nss1,(6Mbps)_1TX(Port2)	16.5M	16.742M	16M7D1D	16.35M	16.617M
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	17.625M	18.516M	18M5D1D	17.55M	17.816M

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

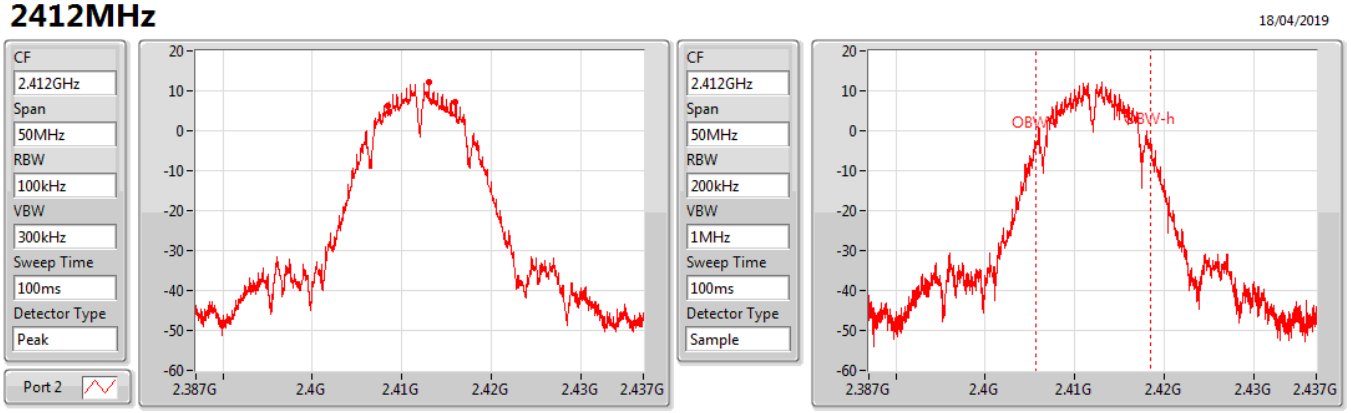
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			7.55M	12.794M
2437MHz	Pass	500k			9.525M	14.218M
2462MHz	Pass	500k			7.55M	12.694M
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			16.5M	16.617M
2437MHz	Pass	500k			16.35M	16.742M
2462MHz	Pass	500k			16.45M	16.667M
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			17.6M	17.816M
2437MHz	Pass	500k			17.55M	18.516M
2462MHz	Pass	500k			17.625M	17.841M

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

802.11b_Nss1,(1Mbps)_1TX(Port2) EBW

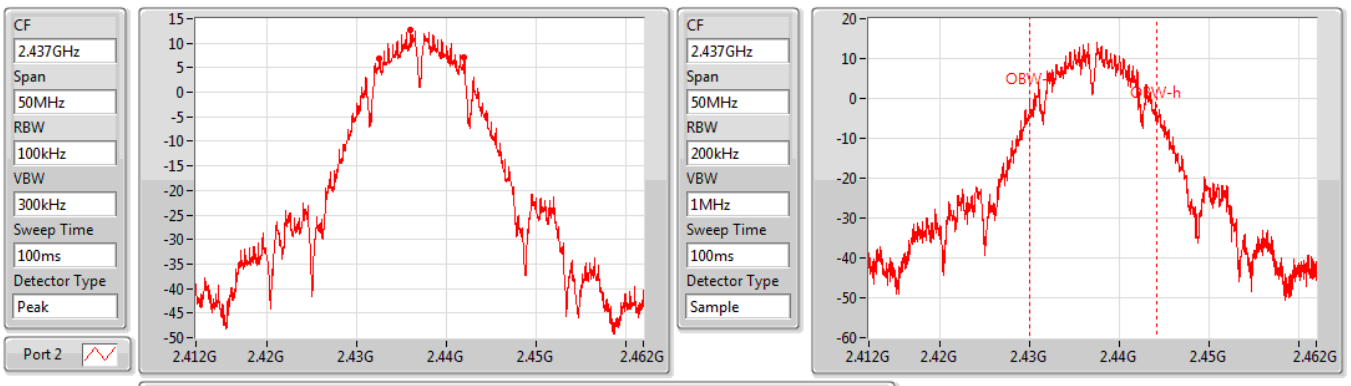
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.408475G	2.416025G	12.794M	2.405628G	2.418422G	500k	2

802.11b_Nss1,(1Mbps)_1TX(Port2) EBW

2437MHz



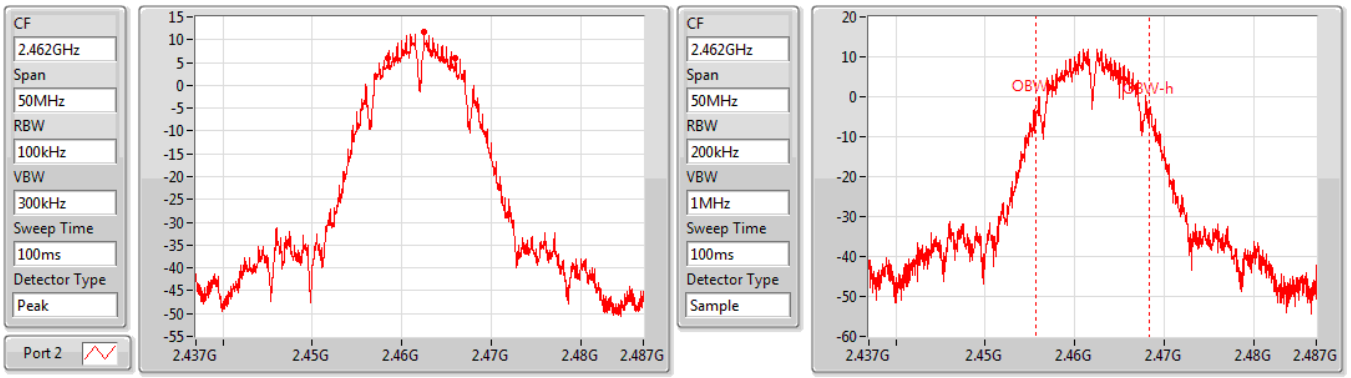
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.432475G	2.442G	14.218M	2.429954G	2.444171G	500k	2

802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2462MHz

18/04/2019



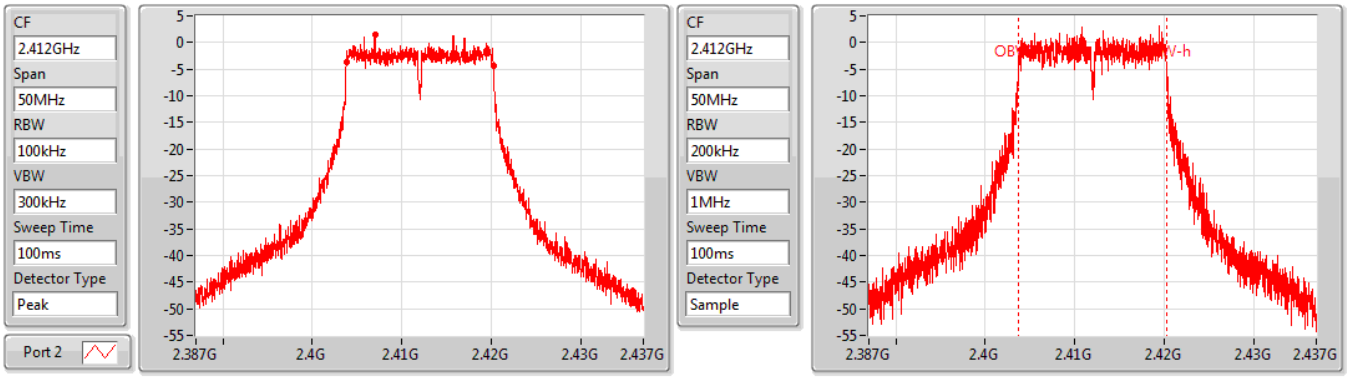
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.458475G	2.466025G	12.694M	2.455703G	2.468397G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2412MHz

11/04/2019

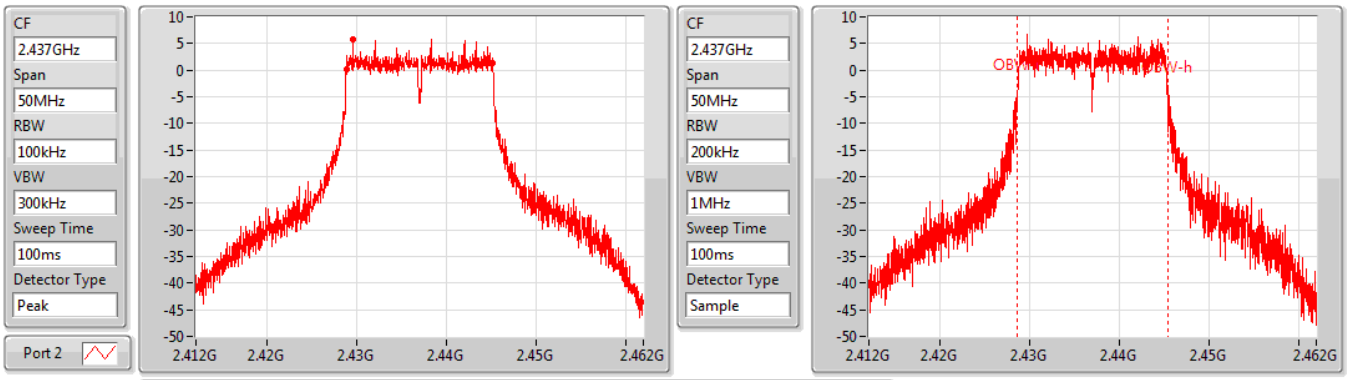


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.5M	2.4038G	2.4203G	16.617M	2.403679G	2.420296G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2) EBW

2437MHz

12/04/2019

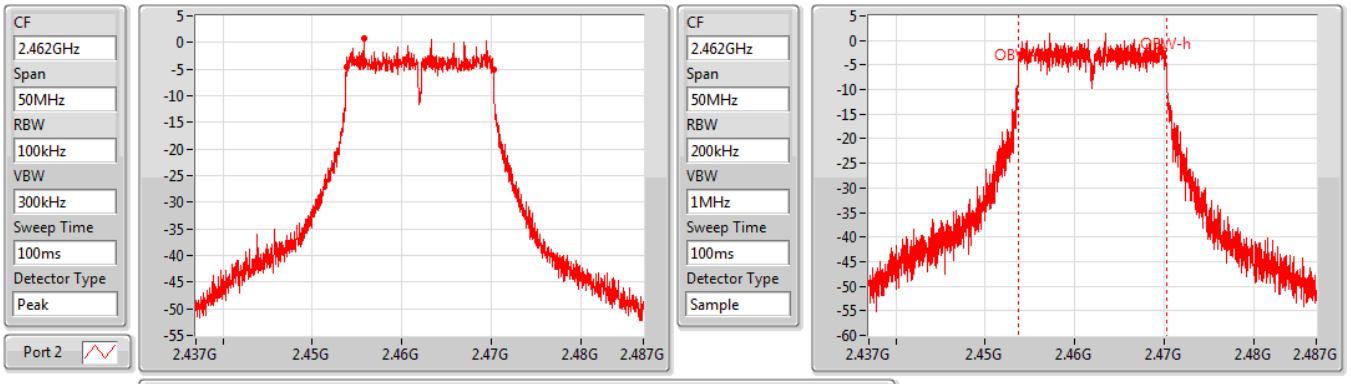


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.428825G	2.445175G	16.742M	2.428629G	2.445371G	500k	2

802.11g_Nss1,(6Mbps)_1TX(Port2) EBW

2462MHz

11/04/2019

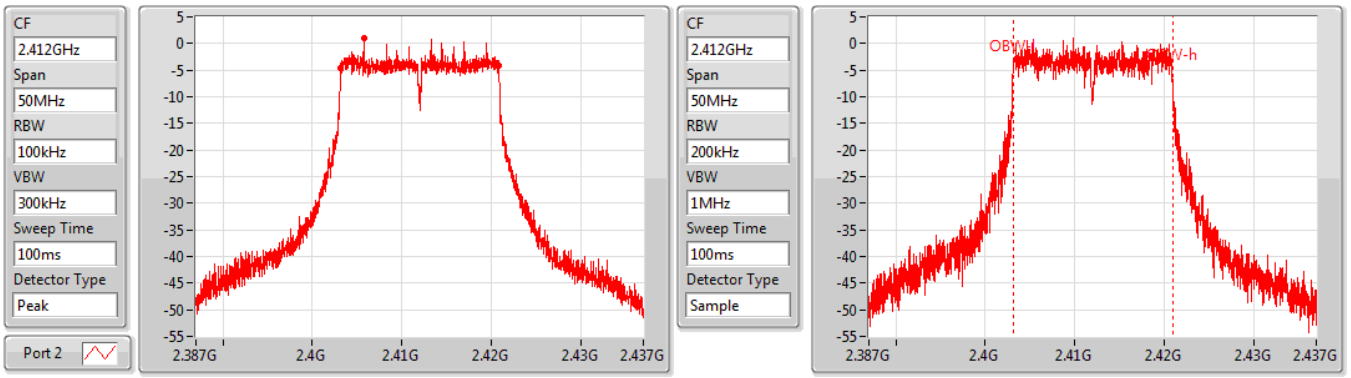


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.45M	2.453825G	2.470275G	16.667M	2.453654G	2.470321G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2412MHz

11/04/2019

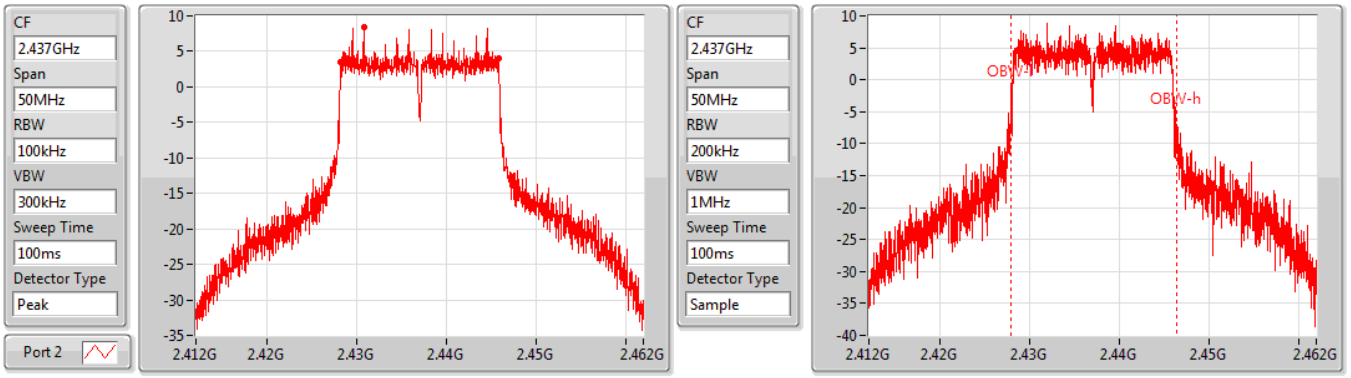


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	2.4032G	2.4208G	17.816M	2.403104G	2.420921G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2437MHz

18/04/2019

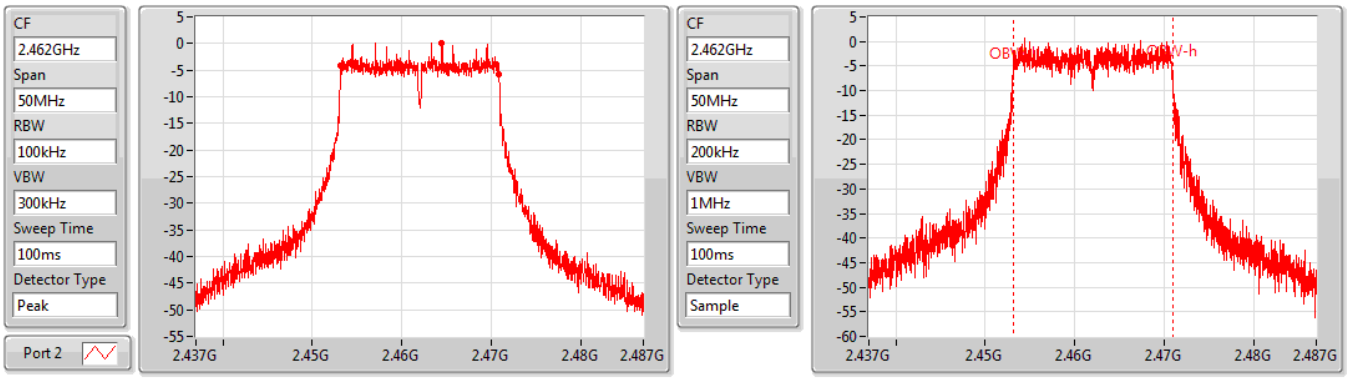


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428225G	2.445775G	18.516M	2.42788G	2.446395G	500k	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) EBW

2462MHz

11/04/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.625M	2.453225G	2.47085G	17.841M	2.453104G	2.470946G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	22.27	0.16866
802.11g_Nss1,(6Mbps)_1TX(Port2)	17.91	0.06180
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	20.03	0.10069

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		20.52	20.52	30.00
2417MHz	Pass	3.24		20.50	20.50	30.00
2437MHz	Pass	3.24		22.27	22.27	30.00
2457MHz	Pass	3.24		20.20	20.20	30.00
2462MHz	Pass	3.24		20.14	20.14	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		16.65	16.65	30.00
2417MHz	Pass	3.24		17.91	17.91	30.00
2437MHz	Pass	3.24		17.84	17.84	30.00
2457MHz	Pass	3.24		17.79	17.79	30.00
2462MHz	Pass	3.24		16.24	16.24	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		14.25	14.25	30.00
2417MHz	Pass	3.24		17.06	17.06	30.00
2437MHz	Pass	3.24		20.03	20.03	30.00
2457MHz	Pass	3.24		17.86	17.86	30.00
2462MHz	Pass	3.24		14.18	14.18	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(Port2)	-0.72
802.11g_Nss1,(6Mbps)_1TX(Port2)	-8.14
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-6.34

RBW=3 kHz.

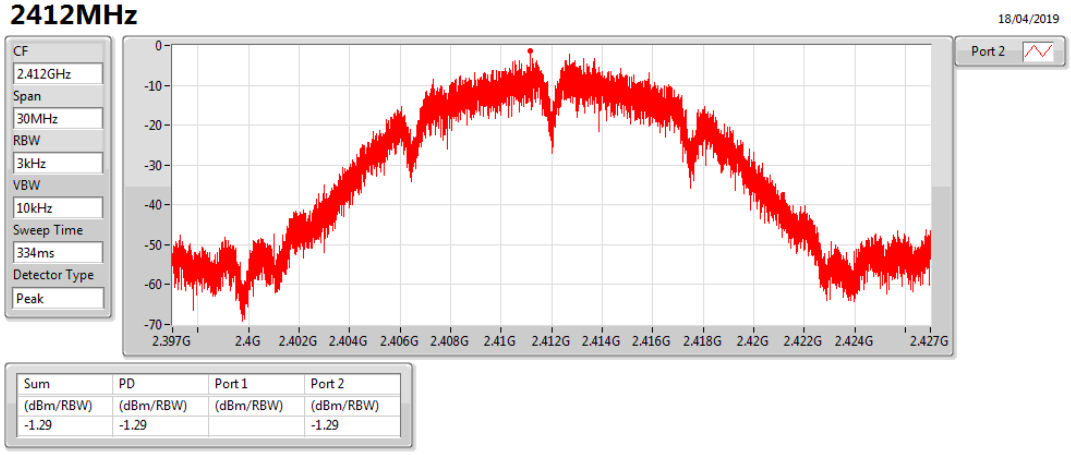
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		-1.29	-1.29	8.00
2437MHz	Pass	3.24		-0.72	-0.72	8.00
2462MHz	Pass	3.24		-3.02	-3.02	8.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		-9.11	-9.11	8.00
2437MHz	Pass	3.24		-8.14	-8.14	8.00
2462MHz	Pass	3.24		-9.09	-9.09	8.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	3.24		-11.57	-11.57	8.00
2437MHz	Pass	3.24		-6.34	-6.34	8.00
2462MHz	Pass	3.24		-11.71	-11.71	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(Port2) PSD

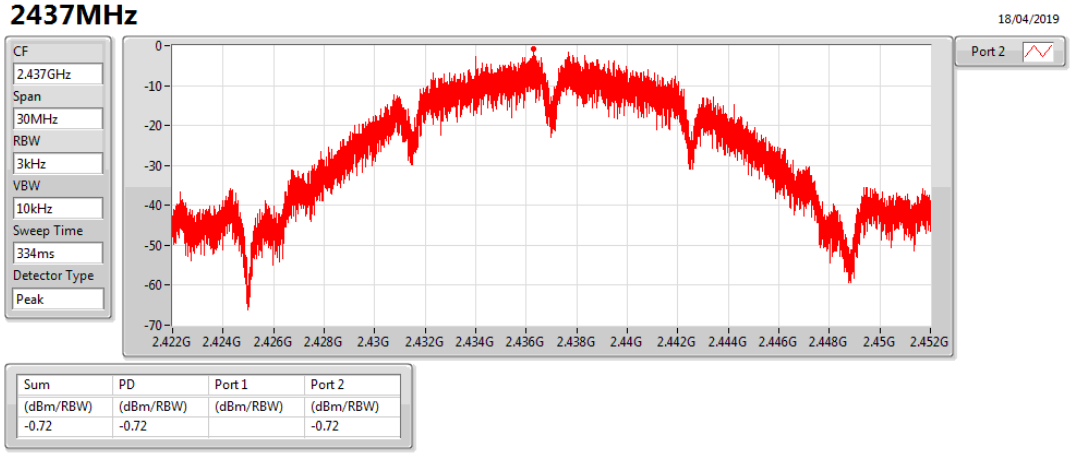
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.29	-1.29		-1.29

802.11b_Nss1,(1Mbps)_1TX(Port2) PSD

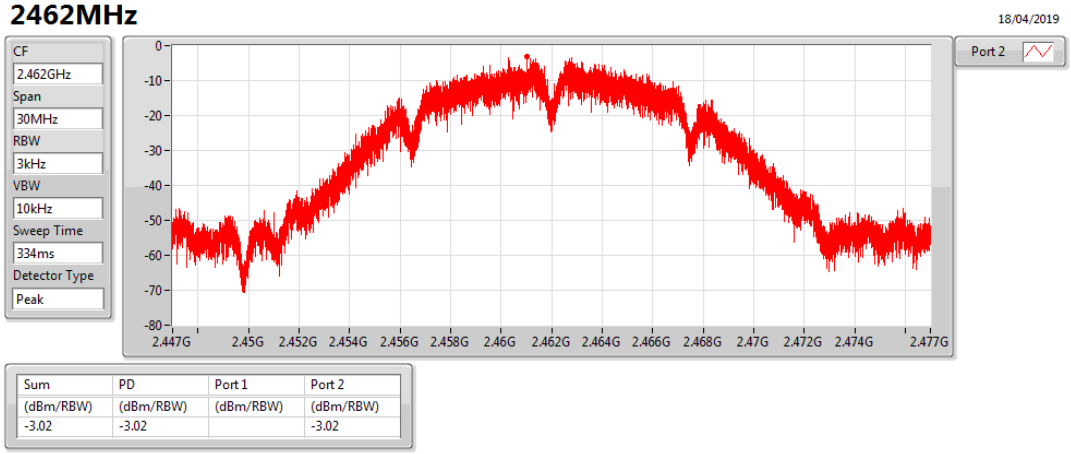
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.72	-0.72		-0.72

802.11b_Nss1,(1Mbps)_1TX(Port2) PSD

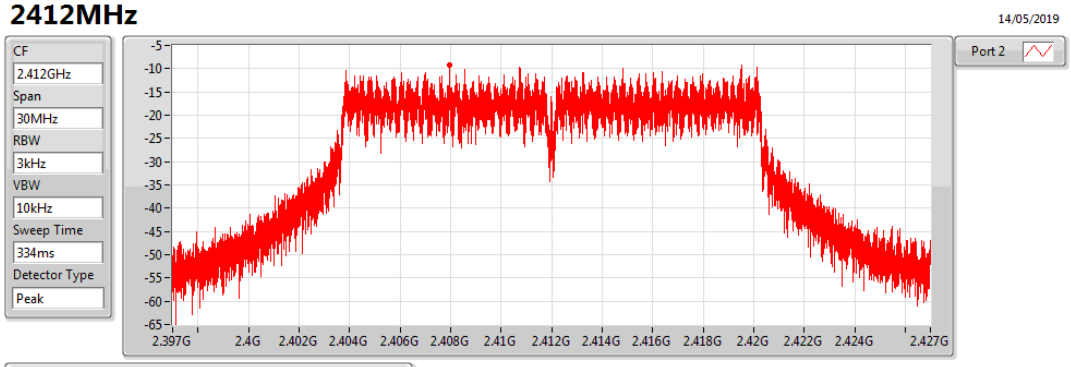
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.02	-3.02		-3.02

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

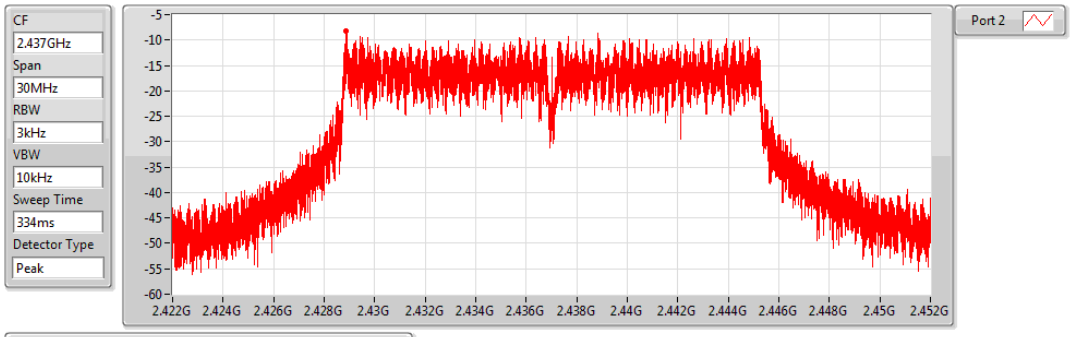
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.11	-9.11		-9.11

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

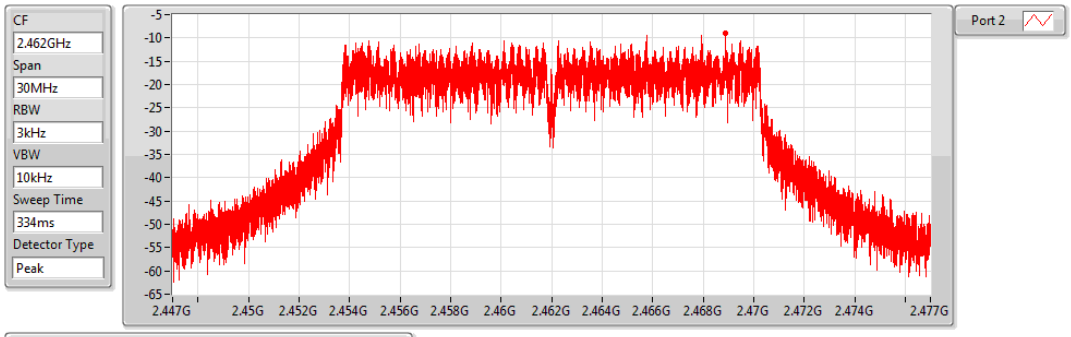
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.14	-8.14		-8.14

802.11g_Nss1,(6Mbps)_1TX(Port2) PSD

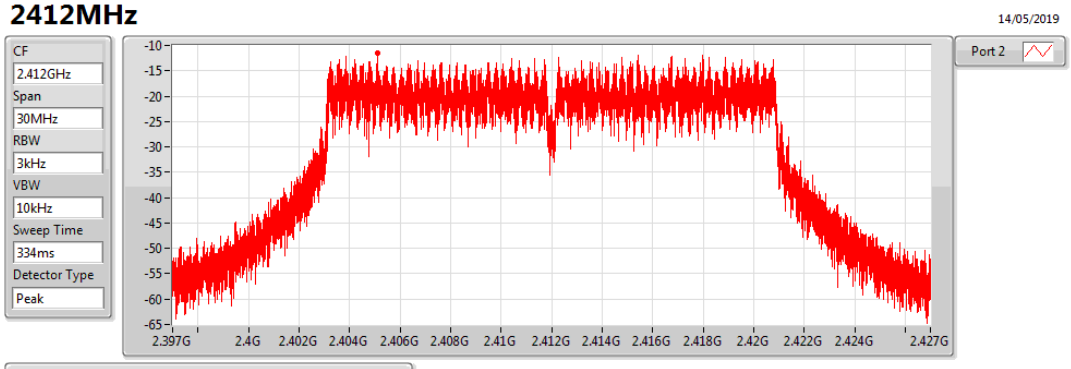
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.09	-9.09		-9.09

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

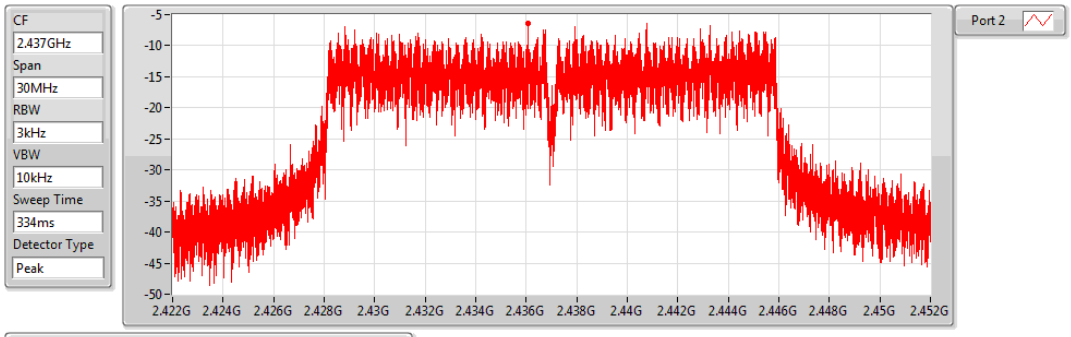
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.57	-11.57		-11.57

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

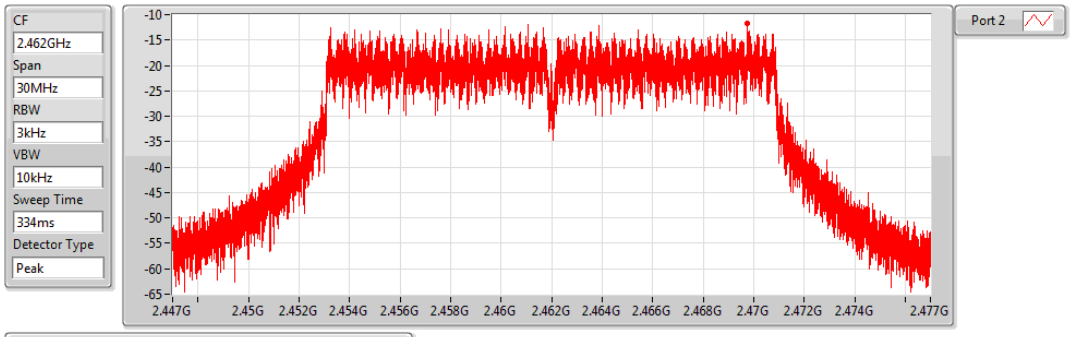
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.34	-6.34		-6.34

802.11n HT20_Nss1,(MCS0)_1TX(Port2) PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.71	-11.71		-11.71

Summary

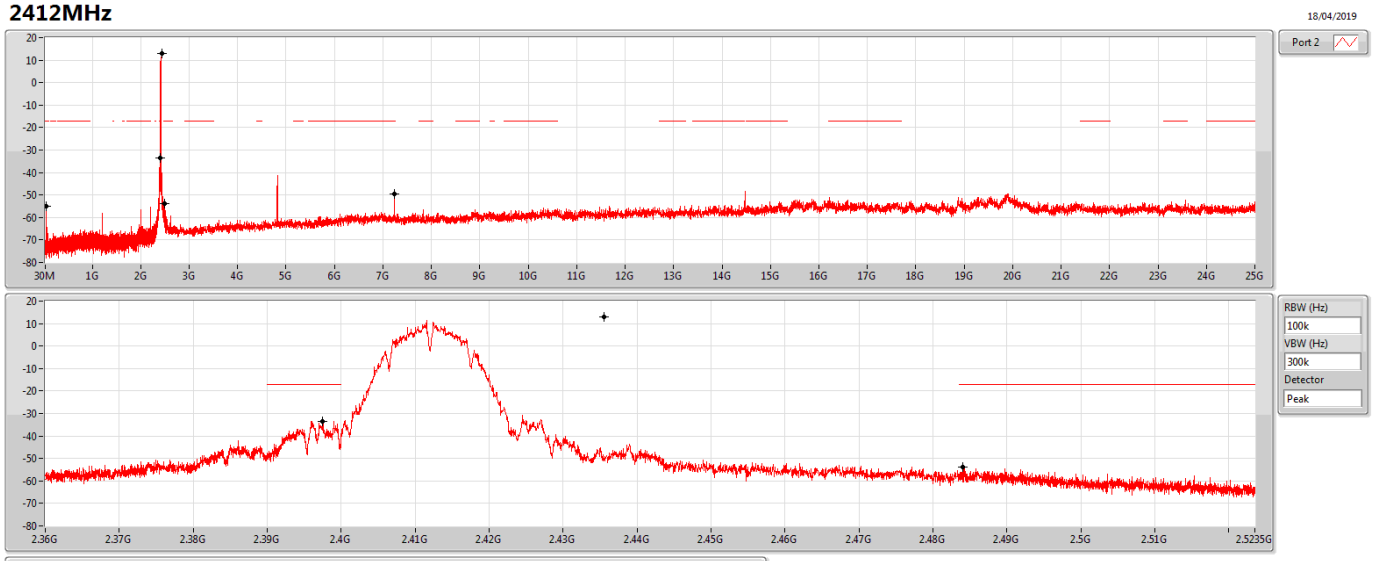
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port2)	Pass	2.43553G	12.80	-17.20	49.81M	-55.08	2.39752G	-33.48	2.48404G	-53.94	7.23514G	-49.56	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	Pass	2.44451G	6.28	-23.72	2.01021G	-61.26	2.39944G	-31.47	2.48366G	-57.61	15.23396G	-52.57	2
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	Pass	2.43453G	7.26	-22.74	49.81M	-58.65	2.39996G	-32.35	2.48802G	-57.78	16.22574G	-51.85	2

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(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43553G	12.80	-17.20	49.81M	-55.08	2.39752G	-33.48	2.48404G	-53.94	7.23514G	-49.56	2
2437MHz	Pass	2.43553G	12.80	-17.20	49.81M	-54.74	2.399G	-41.16	2.48448G	-50.37	14.62148G	-42.87	2
2462MHz	Pass	2.43553G	12.80	-17.20	49.81M	-55.45	2.39672G	-55.59	2.48882G	-44.86	14.77319G	-49.46	2
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	6.28	-23.72	2.01021G	-61.26	2.39944G	-31.47	2.48366G	-57.61	15.23396G	-52.57	2
2437MHz	Pass	2.44451G	6.28	-23.72	2.03089G	-59.00	2.3986G	-46.54	2.48356G	-49.91	17.58556G	-51.90	2
2462MHz	Pass	2.44451G	6.28	-23.72	1.84653G	-59.69	2.39098G	-58.75	2.48444G	-46.59	15.17215G	-52.27	2
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43453G	7.26	-22.74	49.81M	-58.65	2.39996G	-32.35	2.48802G	-57.78	16.22574G	-51.85	2
2437MHz	Pass	2.43453G	7.26	-22.74	49.81M	-56.97	2.39914G	-39.34	2.4866G	-47.53	15.18339G	-51.99	2
2462MHz	Pass	2.43453G	7.26	-22.74	49.81M	-57.52	2.39548G	-59.58	2.48426G	-43.94	21.53581G	-51.93	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSE NdB**

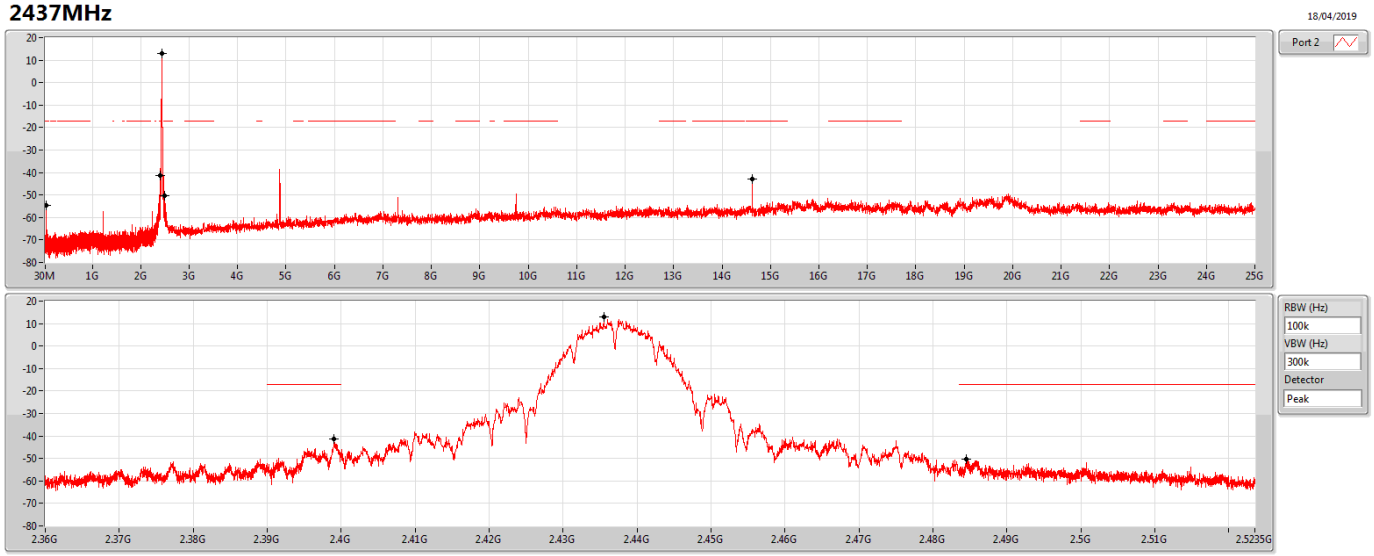
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43553G	12.80	-17.20	49.81M	-55.08	2.39752G	-33.48	2.48404G	-53.94	7.23514G	-49.56	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSE NdB**

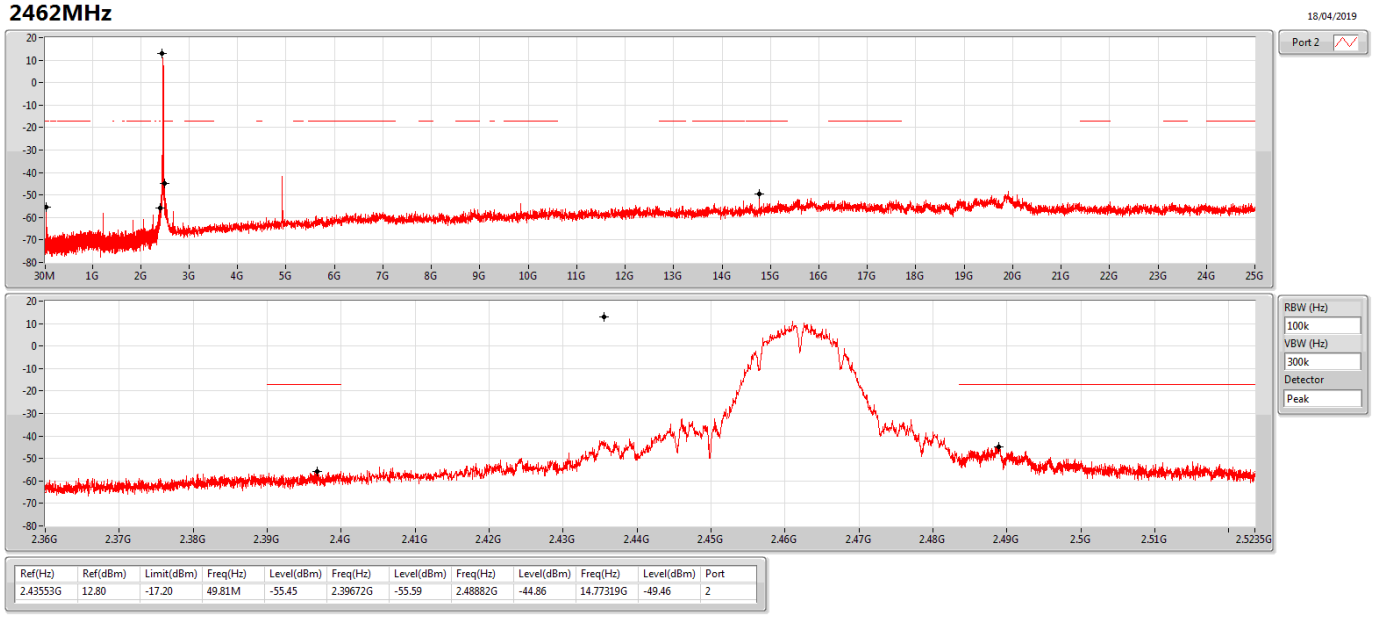
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43553G	12.80	-17.20	49.81M	-54.74	2.399G	-41.16	2.48448G	-50.37	14.62148G	-42.87	2

802.11b_Nss1,(1Mbps)_1TX(Port2) **CSE NdB**

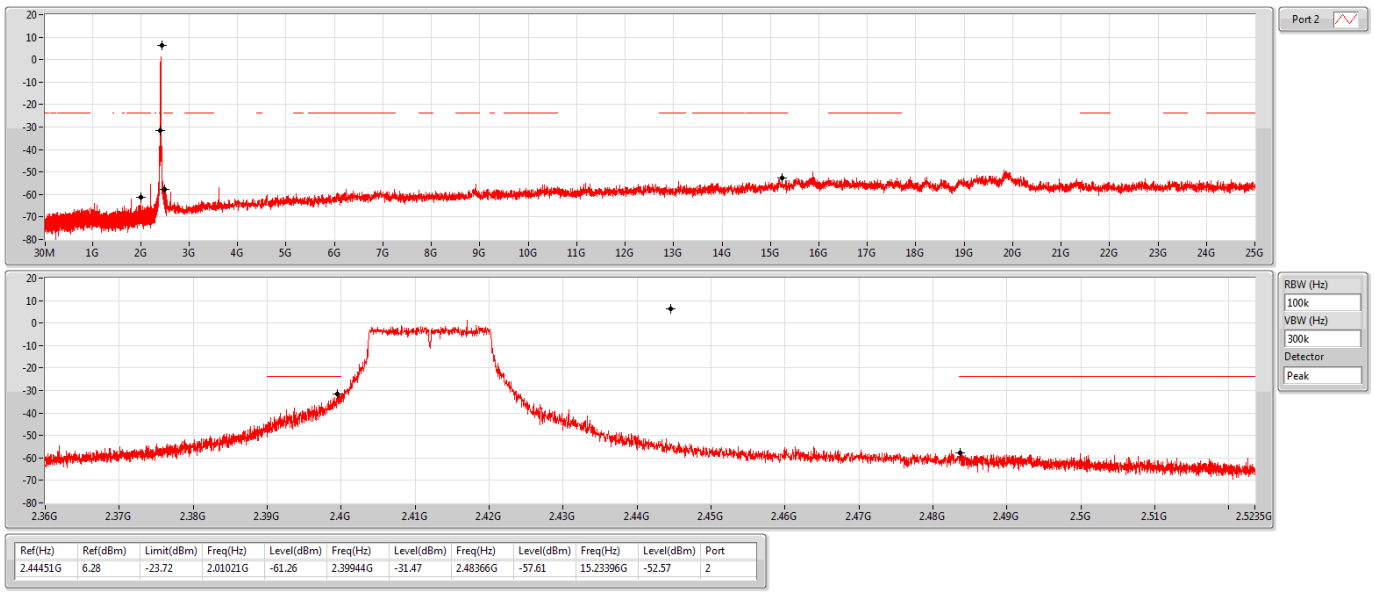
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43553G	12.80	-17.20	49.81M	-55.45	2.39672G	-55.59	2.48882G	-44.86	14.77319G	-49.46	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSE NdB**

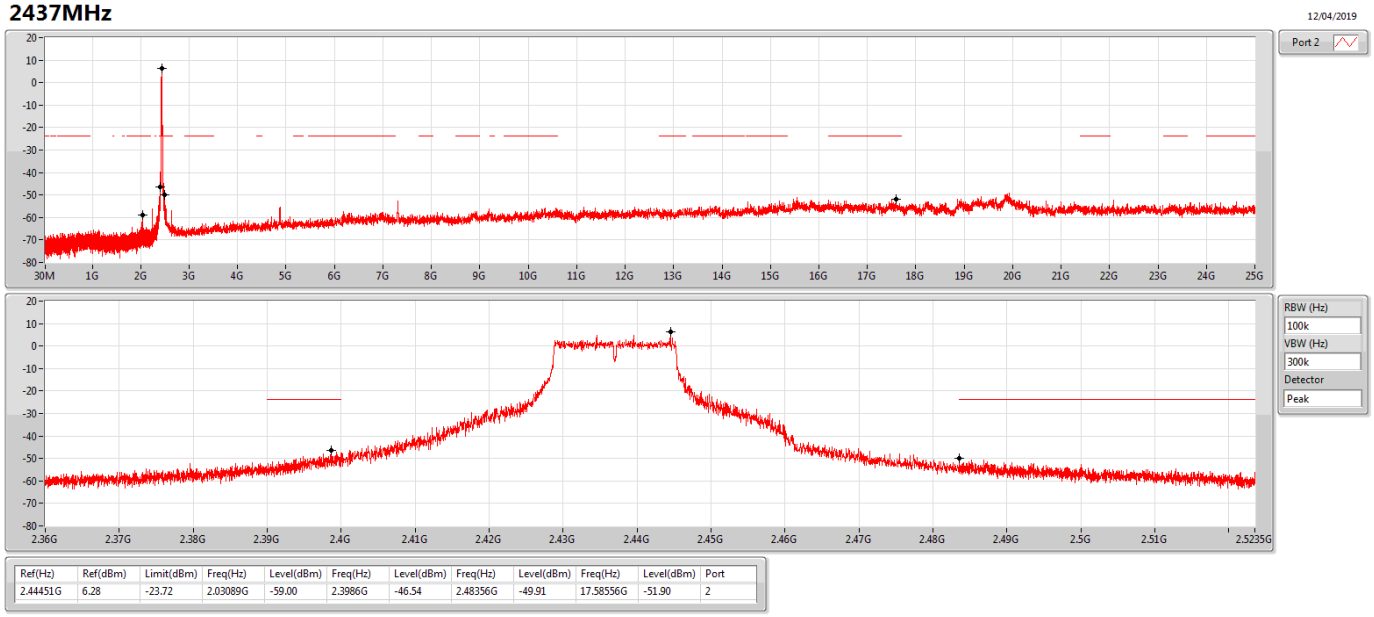
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	6.28	-23.72	2.01021G	-61.26	2.39944G	-31.47	2.48366G	-57.61	15.23396G	-52.57	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSE NdB**

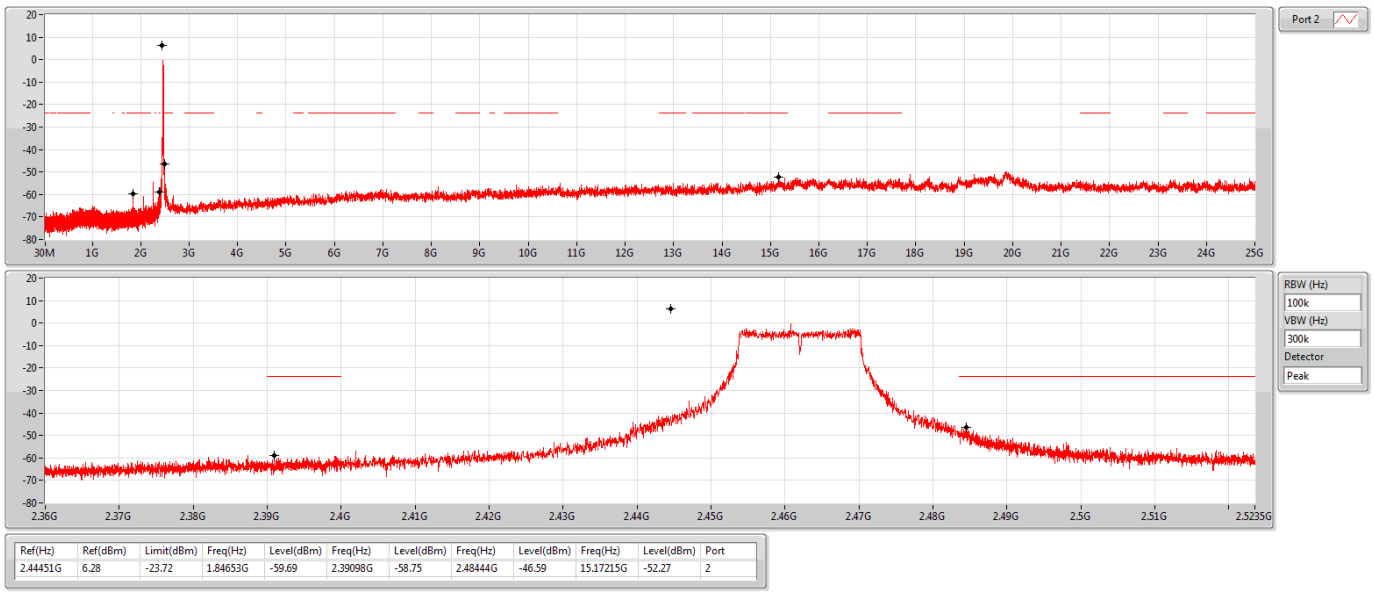
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	6.28	-23.72	2.03089G	-59.00	2.3986G	-46.54	2.48356G	-49.91	17.58556G	-51.90	2

802.11g_Nss1,(6Mbps)_1TX(Port2) **CSE NdB**

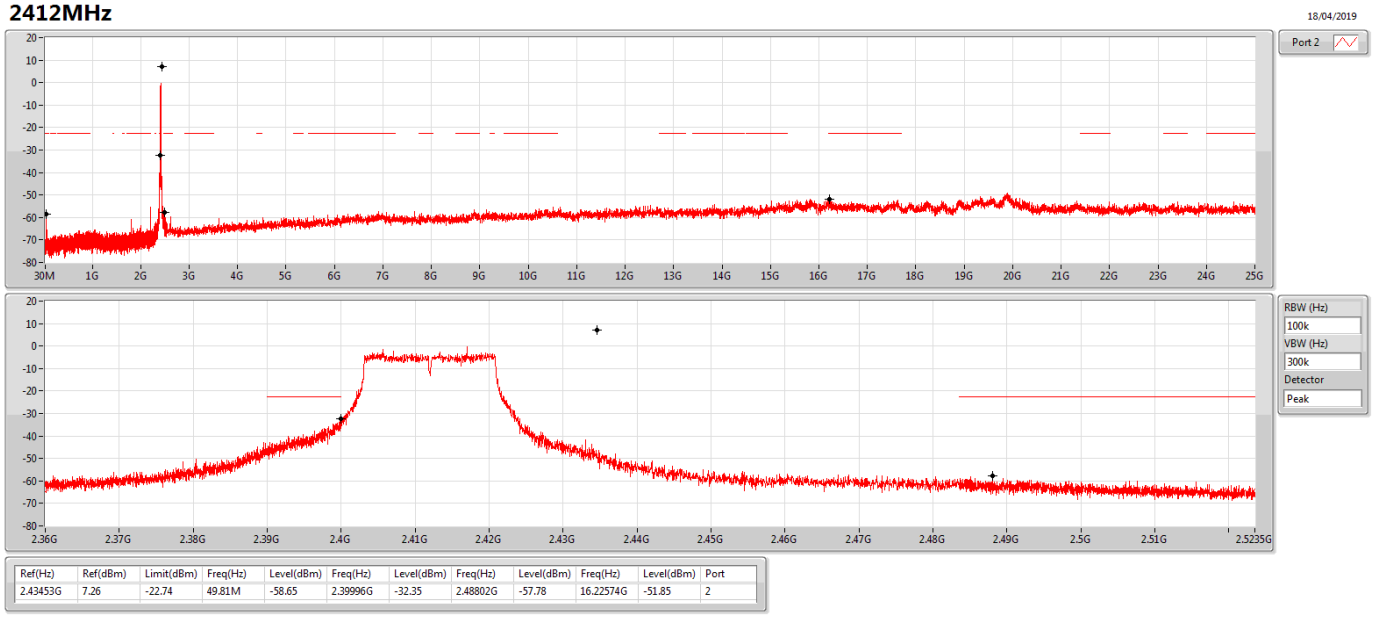
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44451G	6.28	-23.72	1.84653G	-59.69	2.39098G	-58.75	2.48444G	-46.59	15.17215G	-52.27	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **CSE NdB**

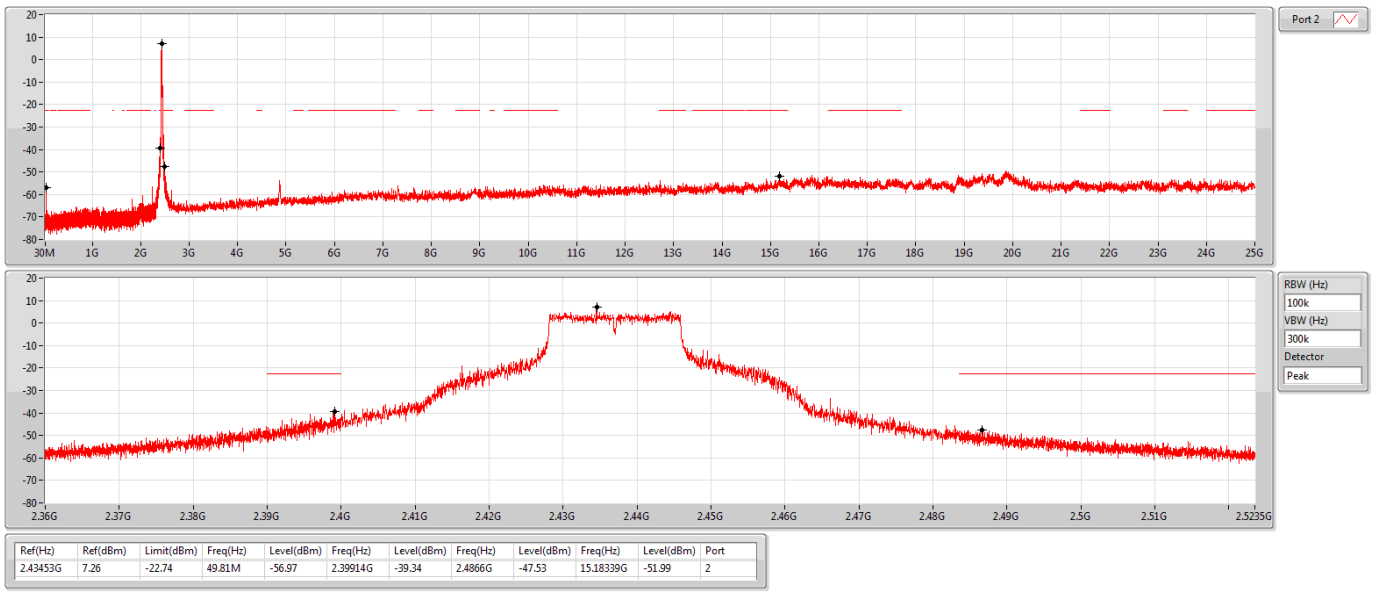
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43453G	7.26	-22.74	49.81M	-58.65	2.39996G	-32.35	2.48802G	-57.78	16.22574G	-51.85	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **CSE NdB**

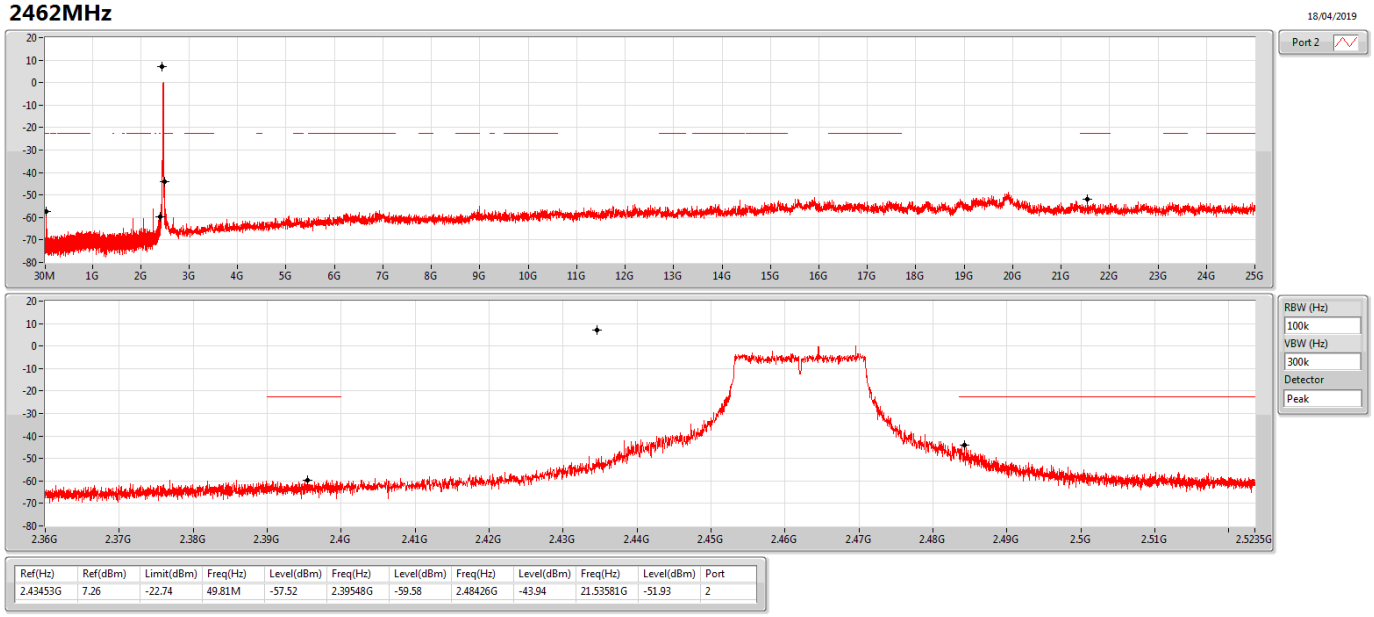
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43453G	7.26	-22.74	49.81M	-56.97	2.39914G	-39.34	2.4866G	-47.53	15.18339G	-51.99	2

802.11n HT20_Nss1,(MCS0)_1TX(Port2) **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
2.43453G	7.26	-22.74	49.81M	-57.52	2.39548G	-59.58	2.48426G	-43.94	21.53581G	-51.93	2

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	PK	400.54M	40.17	46.00	-5.83	-3.78	3	Horizontal	0	1.00	-

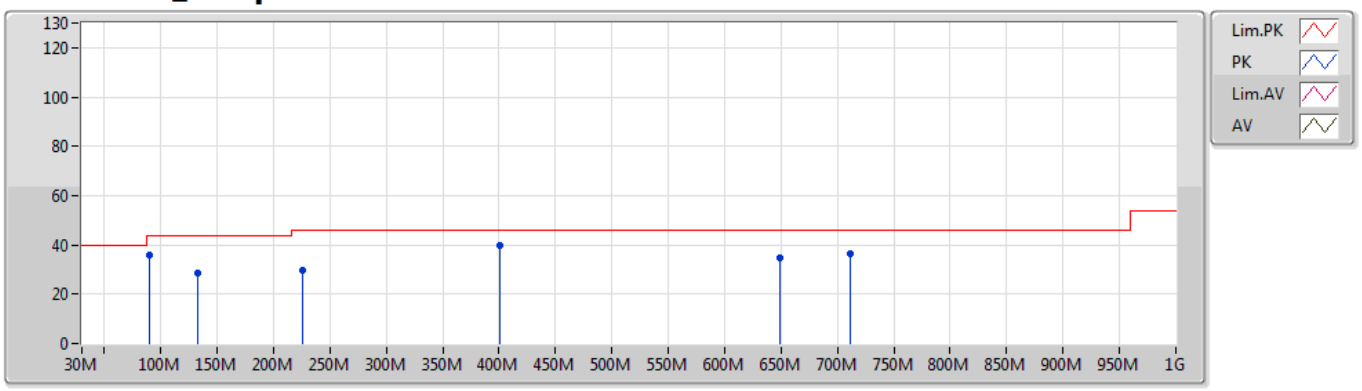
Result

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	90.14M	35.94	43.50	-7.56	-12.55	3	Vertical	360	1.00	-
2437MHz	Pass	PK	132.82M	28.46	43.50	-15.04	-9.21	3	Vertical	360	1.00	-
2437MHz	Pass	PK	225.94M	29.65	46.00	-16.35	-9.85	3	Vertical	360	1.00	-
2437MHz	Pass	PK	400.54M	40.01	46.00	-5.99	-3.78	3	Vertical	360	1.00	-
2437MHz	Pass	PK	648.86M	34.59	46.00	-11.41	-0.33	3	Vertical	360	1.00	-
2437MHz	Pass	PK	710.94M	36.27	46.00	-9.73	0.03	3	Vertical	360	1.00	-
2437MHz	Pass	PK	62.98M	26.74	40.00	-13.26	-15.54	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	136.7M	28.82	43.50	-14.68	-9.45	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	225.94M	36.94	46.00	-9.06	-9.85	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	400.54M	40.17	46.00	-5.83	-3.78	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	625.58M	36.05	46.00	-9.95	-0.43	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	710.94M	38.26	46.00	-7.74	0.03	3	Horizontal	0	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

22/04/2019

2437MHz_Adapter

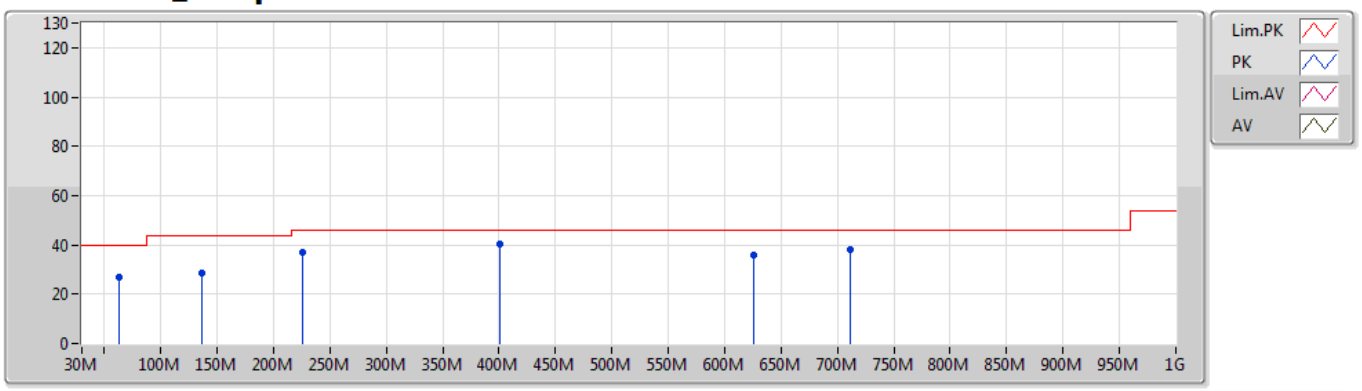


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	90.14M	35.94	43.50	-7.56	-12.55	3	Vertical	360	1.00	-
PK	132.82M	28.46	43.50	-15.04	-9.21	3	Vertical	360	1.00	-
PK	225.94M	29.65	46.00	-16.35	-9.85	3	Vertical	360	1.00	-
PK	400.54M	40.01	46.00	-5.99	-3.78	3	Vertical	360	1.00	-
PK	648.86M	34.59	46.00	-11.41	-0.33	3	Vertical	360	1.00	-
PK	710.94M	36.27	46.00	-9.73	0.03	3	Vertical	360	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

22/04/2019

2437MHz_Adapter



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
PK	62.98M	26.74	40.00	-13.26	-15.54	3	Horizontal	0	1.00	-
PK	136.7M	28.82	43.50	-14.68	-9.45	3	Horizontal	0	1.00	-
PK	225.94M	36.94	46.00	-9.06	-9.85	3	Horizontal	0	1.00	-
PK	400.54M	40.17	46.00	-5.83	-3.78	3	Horizontal	0	1.00	-
PK	625.58M	36.05	46.00	-9.95	-0.43	3	Horizontal	0	1.00	-
PK	710.94M	38.26	46.00	-7.74	0.03	3	Horizontal	0	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	2.3892G	53.91	54.00	-0.09	31.85	3	Vertical	87	2.88	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.4835G	53.95	54.00	-0.05	32.19	3	Vertical	190	1.12	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.60	54.00	-0.40	30.95	3	Vertical	74	2.25	-

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	2.3892G	53.91	54.00	-0.09	31.85	3	Vertical	87	2.88	-
2412MHz	Pass	AV	2.4112G	107.19	Inf	-Inf	31.93	3	Vertical	87	2.88	-
2412MHz	Pass	PK	2.3892G	62.89	74.00	-11.11	31.85	3	Vertical	87	2.88	-
2412MHz	Pass	PK	2.413G	110.96	Inf	-Inf	31.94	3	Vertical	87	2.88	-
2412MHz	Pass	AV	2.3892G	49.99	54.00	-4.01	31.85	3	Horizontal	334	1.18	-
2412MHz	Pass	AV	2.4112G	102.14	Inf	-Inf	31.93	3	Horizontal	334	1.18	-
2412MHz	Pass	PK	2.389G	59.75	74.00	-14.25	31.85	3	Horizontal	334	1.18	-
2412MHz	Pass	PK	2.413G	105.90	Inf	-Inf	31.94	3	Horizontal	334	1.18	-
2412MHz	Pass	AV	4.82402G	39.00	54.00	-15.00	3.49	3	Vertical	321	1.65	-
2412MHz	Pass	PK	4.82402G	47.47	74.00	-26.53	3.49	3	Vertical	321	1.65	-
2412MHz	Pass	AV	4.82402G	39.25	54.00	-14.75	3.49	3	Horizontal	323	2.36	-
2412MHz	Pass	PK	4.82404G	46.83	74.00	-27.17	3.49	3	Horizontal	323	2.36	-
2417MHz	Pass	AV	2.39G	53.43	54.00	-0.57	31.86	3	Vertical	80	2.88	-
2417MHz	Pass	AV	2.4162G	106.90	Inf	-Inf	31.95	3	Vertical	80	2.88	-
2417MHz	Pass	PK	2.39G	62.16	74.00	-11.84	31.86	3	Vertical	80	2.88	-
2417MHz	Pass	PK	2.416G	110.55	Inf	-Inf	31.95	3	Vertical	80	2.88	-
2417MHz	Pass	AV	2.39G	49.21	54.00	-4.79	31.86	3	Horizontal	335	1.18	-
2417MHz	Pass	AV	2.4178G	102.78	Inf	-Inf	31.95	3	Horizontal	335	1.18	-
2417MHz	Pass	PK	2.3898G	58.75	74.00	-15.25	31.86	3	Horizontal	335	1.18	-
2417MHz	Pass	PK	2.418G	106.61	Inf	-Inf	31.95	3	Horizontal	335	1.18	-
2437MHz	Pass	AV	2.3846G	50.97	54.00	-3.03	31.83	3	Vertical	180	1.11	-
2437MHz	Pass	AV	2.4362G	110.43	Inf	-Inf	32.02	3	Vertical	180	1.11	-
2437MHz	Pass	AV	2.4858G	53.64	54.00	-0.36	32.20	3	Vertical	180	1.11	-
2437MHz	Pass	PK	2.3878G	59.61	74.00	-14.39	31.85	3	Vertical	180	1.11	-
2437MHz	Pass	PK	2.4362G	114.12	Inf	-Inf	32.02	3	Vertical	180	1.11	-
2437MHz	Pass	PK	2.4862G	62.47	74.00	-11.53	32.20	3	Vertical	180	1.11	-
2437MHz	Pass	AV	2.3846G	47.70	54.00	-6.30	31.83	3	Horizontal	247	1.01	-
2437MHz	Pass	AV	2.4362G	105.11	Inf	-Inf	32.02	3	Horizontal	247	1.01	-
2437MHz	Pass	AV	2.4858G	48.45	54.00	-5.55	32.20	3	Horizontal	247	1.01	-
2437MHz	Pass	PK	2.377G	57.98	74.00	-16.02	31.80	3	Horizontal	247	1.01	-
2437MHz	Pass	PK	2.4362G	108.75	Inf	-Inf	32.02	3	Horizontal	247	1.01	-
2437MHz	Pass	PK	2.489G	58.33	74.00	-15.67	32.20	3	Horizontal	247	1.01	-
2437MHz	Pass	AV	4.87404G	42.33	54.00	-11.67	3.61	3	Vertical	324	2.56	-
2437MHz	Pass	PK	4.87412G	49.19	74.00	-24.81	3.61	3	Vertical	324	2.56	-
2437MHz	Pass	AV	4.87401G	41.42	54.00	-12.58	3.61	3	Horizontal	339	1.06	-
2437MHz	Pass	PK	4.87405G	47.48	74.00	-26.52	3.61	3	Horizontal	339	1.06	-
2457MHz	Pass	AV	2.4562G	107.99	Inf	-Inf	32.09	3	Vertical	64	2.74	-
2457MHz	Pass	AV	2.4838G	53.66	54.00	-0.34	32.19	3	Vertical	64	2.74	-
2457MHz	Pass	PK	2.456G	111.66	Inf	-Inf	32.09	3	Vertical	64	2.74	-
2457MHz	Pass	PK	2.484G	62.48	74.00	-11.52	32.19	3	Vertical	64	2.74	-
2457MHz	Pass	AV	2.4562G	103.08	Inf	-Inf	32.09	3	Horizontal	300	1.14	-
2457MHz	Pass	AV	2.4838G	49.28	54.00	-4.72	32.19	3	Horizontal	300	1.14	-
2457MHz	Pass	PK	2.458G	106.94	Inf	-Inf	32.10	3	Horizontal	300	1.14	-
2457MHz	Pass	PK	2.484G	59.50	74.00	-14.50	32.19	3	Horizontal	300	1.14	-
2462MHz	Pass	AV	2.4612G	107.41	Inf	-Inf	32.11	3	Vertical	73	2.77	-
2462MHz	Pass	AV	2.4888G	53.27	54.00	-0.73	32.20	3	Vertical	73	2.77	-
2462MHz	Pass	PK	2.463G	111.12	Inf	-Inf	32.11	3	Vertical	73	2.77	-

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	2.489G	62.79	74.00	-11.21	32.20	3	Vertical	73	2.77	-
2462MHz	Pass	AV	2.4612G	102.83	Inf	-Inf	32.11	3	Horizontal	302	2.41	-
2462MHz	Pass	AV	2.4888G	50.41	54.00	-3.59	32.20	3	Horizontal	302	2.41	-
2462MHz	Pass	PK	2.461G	106.50	Inf	-Inf	32.11	3	Horizontal	302	2.41	-
2462MHz	Pass	PK	2.4892G	59.84	74.00	-14.16	32.20	3	Horizontal	302	2.41	-
2462MHz	Pass	AV	4.92403G	37.33	54.00	-16.67	3.73	3	Vertical	339	1.45	-
2462MHz	Pass	PK	4.92388G	45.85	74.00	-28.15	3.73	3	Vertical	339	1.45	-
2462MHz	Pass	AV	4.92398G	37.15	54.00	-16.85	3.73	3	Horizontal	321	1.09	-
2462MHz	Pass	PK	4.92412G	45.61	74.00	-28.39	3.73	3	Horizontal	321	1.09	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.24	54.00	-0.76	31.86	3	Vertical	189	1.12	-
2412MHz	Pass	AV	2.4192G	96.94	Inf	-Inf	31.96	3	Vertical	189	1.12	-
2412MHz	Pass	PK	2.3892G	68.19	74.00	-5.81	31.85	3	Vertical	189	1.12	-
2412MHz	Pass	PK	2.4152G	107.23	Inf	-Inf	31.95	3	Vertical	189	1.12	-
2412MHz	Pass	AV	2.39G	50.38	54.00	-3.62	31.86	3	Horizontal	135	1.14	-
2412MHz	Pass	AV	2.405G	92.21	Inf	-Inf	31.91	3	Horizontal	135	1.14	-
2412MHz	Pass	PK	2.39G	66.44	74.00	-7.56	31.86	3	Horizontal	135	1.14	-
2412MHz	Pass	PK	2.412G	102.91	Inf	-Inf	31.93	3	Horizontal	135	1.14	-
2412MHz	Pass	AV	4.81272G	30.88	54.00	-23.12	3.46	3	Vertical	176	2.47	-
2412MHz	Pass	PK	4.82778G	42.97	74.00	-31.03	3.50	3	Vertical	176	2.47	-
2412MHz	Pass	AV	4.809G	30.76	54.00	-23.24	3.46	3	Horizontal	67	2.76	-
2412MHz	Pass	PK	4.82466G	43.44	74.00	-30.56	3.49	3	Horizontal	67	2.76	-
2417MHz	Pass	AV	2.39G	53.63	54.00	-0.37	31.86	3	Vertical	58	2.87	-
2417MHz	Pass	AV	2.4244G	100.54	Inf	-Inf	31.98	3	Vertical	58	2.87	-
2417MHz	Pass	PK	2.3894G	69.45	74.00	-4.55	31.85	3	Vertical	58	2.87	-
2417MHz	Pass	PK	2.4204G	111.12	Inf	-Inf	31.96	3	Vertical	58	2.87	-
2417MHz	Pass	AV	2.3898G	48.74	54.00	-5.26	31.86	3	Horizontal	334	1.21	-
2417MHz	Pass	AV	2.424G	93.85	Inf	-Inf	31.98	3	Horizontal	334	1.21	-
2417MHz	Pass	PK	2.3898G	65.89	74.00	-8.11	31.86	3	Horizontal	334	1.21	-
2417MHz	Pass	PK	2.4146G	104.71	Inf	-Inf	31.95	3	Horizontal	334	1.21	-
2437MHz	Pass	AV	2.3898G	50.36	54.00	-3.64	31.86	3	Vertical	147	2.24	-
2437MHz	Pass	AV	2.4446G	105.04	Inf	-Inf	32.05	3	Vertical	147	2.24	-
2437MHz	Pass	AV	2.4835G	53.14	54.00	-0.86	32.19	3	Vertical	147	2.24	-
2437MHz	Pass	PK	2.3878G	65.04	74.00	-8.96	31.85	3	Vertical	147	2.24	-
2437MHz	Pass	PK	2.435G	113.90	Inf	-Inf	32.01	3	Vertical	147	2.24	-
2437MHz	Pass	PK	2.485G	67.80	74.00	-6.20	32.19	3	Vertical	147	2.24	-
2437MHz	Pass	AV	2.3898G	47.81	54.00	-6.19	31.86	3	Horizontal	209	2.86	-
2437MHz	Pass	AV	2.4438G	99.31	Inf	-Inf	32.05	3	Horizontal	209	2.86	-
2437MHz	Pass	AV	2.4835G	49.74	54.00	-4.26	32.19	3	Horizontal	209	2.86	-
2437MHz	Pass	PK	2.3878G	61.16	74.00	-12.84	31.85	3	Horizontal	209	2.86	-
2437MHz	Pass	PK	2.437G	108.62	Inf	-Inf	32.02	3	Horizontal	209	2.86	-
2437MHz	Pass	PK	2.4835G	64.41	74.00	-9.59	32.19	3	Horizontal	209	2.86	-
2437MHz	Pass	AV	4.8722G	31.01	54.00	-22.99	3.61	3	Vertical	90	2.12	-
2437MHz	Pass	PK	4.88234G	43.29	74.00	-30.71	3.63	3	Vertical	90	2.12	-
2437MHz	Pass	AV	4.8722G	31.01	54.00	-22.99	3.61	3	Horizontal	336	2.39	-
2437MHz	Pass	PK	4.88252G	43.29	74.00	-30.71	3.63	3	Horizontal	336	2.39	-
2457MHz	Pass	AV	2.4496G	99.86	Inf	-Inf	32.07	3	Vertical	55	2.52	-
2457MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	32.19	3	Vertical	55	2.52	-
2457MHz	Pass	PK	2.4504G	110.30	Inf	-Inf	32.07	3	Vertical	55	2.52	-

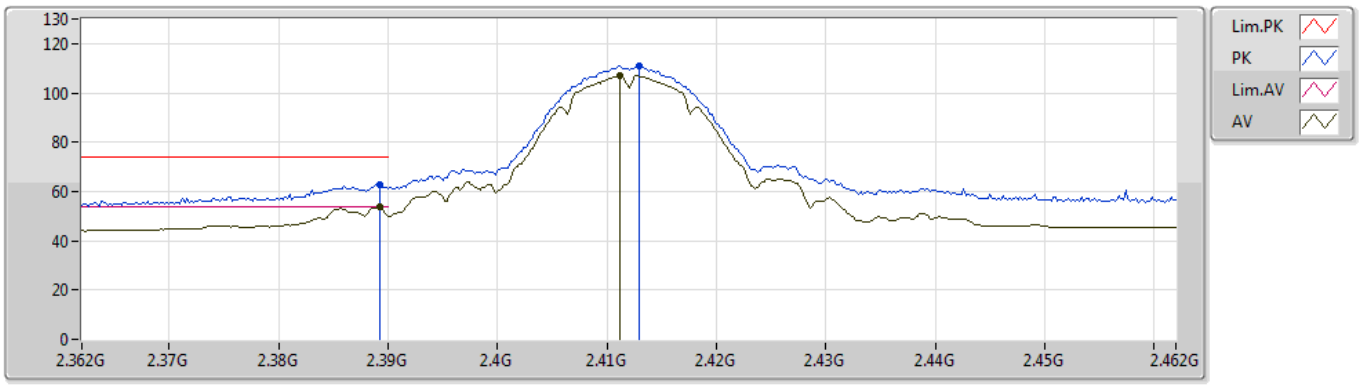
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2457MHz	Pass	PK	2.4836G	69.44	74.00	-4.56	32.19	3	Vertical	55	2.52	-
2457MHz	Pass	AV	2.45G	94.82	Inf	-Inf	32.07	3	Horizontal	302	2.76	-
2457MHz	Pass	AV	2.4835G	48.73	54.00	-5.27	32.19	3	Horizontal	302	2.76	-
2457MHz	Pass	PK	2.4502G	105.06	Inf	-Inf	32.07	3	Horizontal	302	2.76	-
2457MHz	Pass	PK	2.4836G	63.55	74.00	-10.45	32.19	3	Horizontal	302	2.76	-
2462MHz	Pass	AV	2.4546G	97.61	Inf	-Inf	32.08	3	Vertical	190	1.12	-
2462MHz	Pass	AV	2.4835G	53.95	54.00	-0.05	32.19	3	Vertical	190	1.12	-
2462MHz	Pass	PK	2.4666G	107.77	Inf	-Inf	32.13	3	Vertical	190	1.12	-
2462MHz	Pass	PK	2.4836G	73.31	74.00	-0.69	32.19	3	Vertical	190	1.12	-
2462MHz	Pass	AV	2.4546G	92.27	Inf	-Inf	32.08	3	Horizontal	132	1.52	-
2462MHz	Pass	AV	2.4835G	49.22	54.00	-4.78	32.19	3	Horizontal	132	1.52	-
2462MHz	Pass	PK	2.4552G	102.42	Inf	-Inf	32.08	3	Horizontal	132	1.52	-
2462MHz	Pass	PK	2.4835G	65.52	74.00	-8.48	32.19	3	Horizontal	132	1.52	-
2462MHz	Pass	AV	4.91188G	31.26	54.00	-22.74	3.70	3	Vertical	146	2.35	-
2462MHz	Pass	PK	4.93474G	43.54	74.00	-30.46	3.76	3	Vertical	146	2.35	-
2462MHz	Pass	AV	4.9372G	31.25	54.00	-22.75	3.77	3	Horizontal	45	2.82	-
2462MHz	Pass	PK	4.92934G	43.17	74.00	-30.83	3.74	3	Horizontal	45	2.82	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.60	54.00	-0.40	30.95	3	Vertical	74	2.25	-
2412MHz	Pass	AV	2.4132G	95.21	Inf	-Inf	31.04	3	Vertical	74	2.25	-
2412MHz	Pass	PK	2.39G	68.23	74.00	-5.77	30.95	3	Vertical	74	2.25	-
2412MHz	Pass	PK	2.4156G	104.24	Inf	-Inf	31.04	3	Vertical	74	2.25	-
2412MHz	Pass	AV	2.39G	49.59	54.00	-4.41	30.95	3	Horizontal	189	2.85	-
2412MHz	Pass	AV	2.4198G	89.96	Inf	-Inf	31.07	3	Horizontal	189	2.85	-
2412MHz	Pass	PK	2.3896G	63.10	74.00	-10.90	30.95	3	Horizontal	189	2.85	-
2412MHz	Pass	PK	2.4172G	98.22	Inf	-Inf	31.06	3	Horizontal	189	2.85	-
2412MHz	Pass	AV	4.81128G	30.89	54.00	-23.11	3.46	3	Vertical	49	2.59	-
2412MHz	Pass	PK	4.8213G	40.48	74.00	-33.52	3.49	3	Vertical	49	2.59	-
2412MHz	Pass	AV	4.81002G	30.83	54.00	-23.17	3.46	3	Horizontal	177	2.87	-
2412MHz	Pass	PK	4.81002G	43.26	74.00	-30.74	3.46	3	Horizontal	177	2.87	-
2417MHz	Pass	AV	2.3896G	52.58	54.00	-1.42	31.86	3	Vertical	58	2.89	-
2417MHz	Pass	AV	2.4242G	99.35	Inf	-Inf	31.98	3	Vertical	58	2.89	-
2417MHz	Pass	PK	2.3894G	68.26	74.00	-5.74	31.85	3	Vertical	58	2.89	-
2417MHz	Pass	PK	2.4212G	109.74	Inf	-Inf	31.96	3	Vertical	58	2.89	-
2417MHz	Pass	AV	2.39G	47.41	54.00	-6.59	31.86	3	Horizontal	336	1.35	-
2417MHz	Pass	AV	2.409G	92.59	Inf	-Inf	31.92	3	Horizontal	336	1.35	-
2417MHz	Pass	PK	2.3896G	60.92	74.00	-13.08	31.86	3	Horizontal	336	1.35	-
2417MHz	Pass	PK	2.41G	102.67	Inf	-Inf	31.92	3	Horizontal	336	1.35	-
2437MHz	Pass	AV	2.3898G	52.43	54.00	-1.57	31.86	3	Vertical	199	1.15	-
2437MHz	Pass	AV	2.4294G	102.32	Inf	-Inf	31.99	3	Vertical	199	1.15	-
2437MHz	Pass	AV	2.4835G	51.02	54.00	-2.98	32.19	3	Vertical	199	1.15	-
2437MHz	Pass	PK	2.3846G	68.07	74.00	-5.93	31.83	3	Vertical	199	1.15	-
2437MHz	Pass	PK	2.4346G	112.02	Inf	-Inf	32.01	3	Vertical	199	1.15	-
2437MHz	Pass	PK	2.4882G	70.21	74.00	-3.79	32.20	3	Vertical	199	1.15	-
2437MHz	Pass	AV	2.3898G	47.28	54.00	-6.72	31.86	3	Horizontal	136	2.88	-
2437MHz	Pass	AV	2.445G	97.77	Inf	-Inf	32.05	3	Horizontal	136	2.88	-
2437MHz	Pass	AV	2.4835G	47.65	54.00	-6.35	32.19	3	Horizontal	136	2.88	-
2437MHz	Pass	PK	2.3822G	61.15	74.00	-12.85	31.83	3	Horizontal	136	2.88	-
2437MHz	Pass	PK	2.4438G	108.05	Inf	-Inf	32.05	3	Horizontal	136	2.88	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4842G	65.28	74.00	-8.72	32.19	3	Horizontal	136	2.88	-
2437MHz	Pass	AV	4.88816G	29.96	54.00	-24.04	3.65	3	Vertical	208	2.59	-
2437MHz	Pass	PK	4.87568G	43.31	74.00	-30.69	3.62	3	Vertical	208	2.59	-
2437MHz	Pass	AV	4.88666G	29.86	54.00	-24.14	3.65	3	Horizontal	213	1.34	-
2437MHz	Pass	PK	4.8779G	43.41	74.00	-30.59	3.62	3	Horizontal	213	1.34	-
2457MHz	Pass	AV	2.4488G	99.78	Inf	-Inf	32.07	3	Vertical	58	2.47	-
2457MHz	Pass	AV	2.4835G	53.47	54.00	-0.53	32.19	3	Vertical	58	2.47	-
2457MHz	Pass	PK	2.4504G	109.84	Inf	-Inf	32.07	3	Vertical	58	2.47	-
2457MHz	Pass	PK	2.4842G	70.02	74.00	-3.98	32.19	3	Vertical	58	2.47	-
2457MHz	Pass	AV	2.4492G	94.99	Inf	-Inf	32.07	3	Horizontal	304	2.77	-
2457MHz	Pass	AV	2.4835G	49.12	54.00	-4.88	32.19	3	Horizontal	304	2.77	-
2457MHz	Pass	PK	2.45G	105.06	Inf	-Inf	32.07	3	Horizontal	304	2.77	-
2457MHz	Pass	PK	2.4846G	65.64	74.00	-8.36	32.19	3	Horizontal	304	2.77	-
2462MHz	Pass	AV	2.4542G	96.23	Inf	-Inf	31.19	3	Vertical	70	1.07	-
2462MHz	Pass	AV	2.4835G	52.92	54.00	-1.08	31.30	3	Vertical	70	1.07	-
2462MHz	Pass	PK	2.4542G	105.32	Inf	-Inf	31.19	3	Vertical	70	1.07	-
2462MHz	Pass	PK	2.4835G	66.70	74.00	-7.30	31.30	3	Vertical	70	1.07	-
2462MHz	Pass	AV	2.4632G	90.30	Inf	-Inf	31.23	3	Horizontal	209	1.79	-
2462MHz	Pass	AV	2.4838G	48.67	54.00	-5.33	31.30	3	Horizontal	209	1.79	-
2462MHz	Pass	PK	2.4634G	99.38	Inf	-Inf	31.23	3	Horizontal	209	1.79	-
2462MHz	Pass	PK	2.4842G	60.57	74.00	-13.43	31.31	3	Horizontal	209	1.79	-
2462MHz	Pass	AV	4.93504G	31.22	54.00	-22.78	3.76	3	Vertical	113	2.54	-
2462MHz	Pass	PK	4.91302G	43.59	74.00	-30.41	3.70	3	Vertical	113	2.54	-
2462MHz	Pass	AV	4.9141G	31.20	54.00	-22.80	3.71	3	Horizontal	346	2.48	-
2462MHz	Pass	PK	4.92742G	43.32	74.00	-30.68	3.74	3	Horizontal	346	2.48	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/04/2019

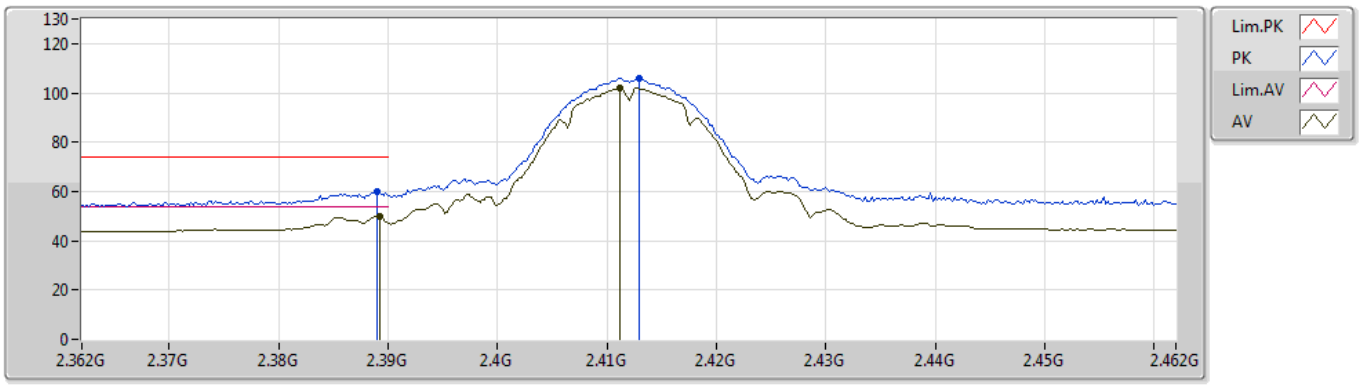


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	53.91	54.00	-0.09	31.85	3	Vertical	87	2.88	-
AV	2.4112G	107.19	Inf	-Inf	31.93	3	Vertical	87	2.88	-
PK	2.3892G	62.89	74.00	-11.11	31.85	3	Vertical	87	2.88	-
PK	2.413G	110.96	Inf	-Inf	31.94	3	Vertical	87	2.88	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/04/2019

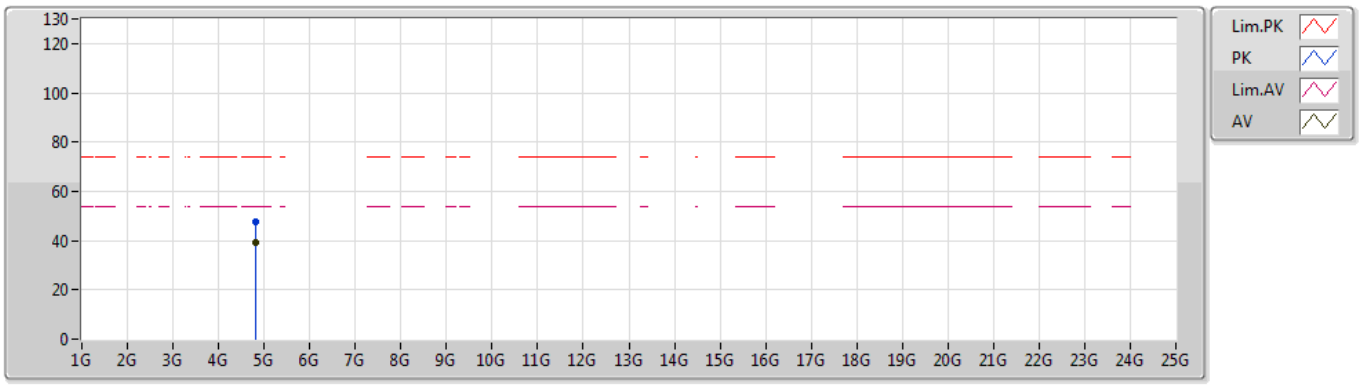


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3892G	49.99	54.00	-4.01	31.85	3	Horizontal	334	1.18	-
AV	2.4112G	102.14	Inf	-Inf	31.93	3	Horizontal	334	1.18	-
PK	2.389G	59.75	74.00	-14.25	31.85	3	Horizontal	334	1.18	-
PK	2.413G	105.90	Inf	-Inf	31.94	3	Horizontal	334	1.18	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/04/2019

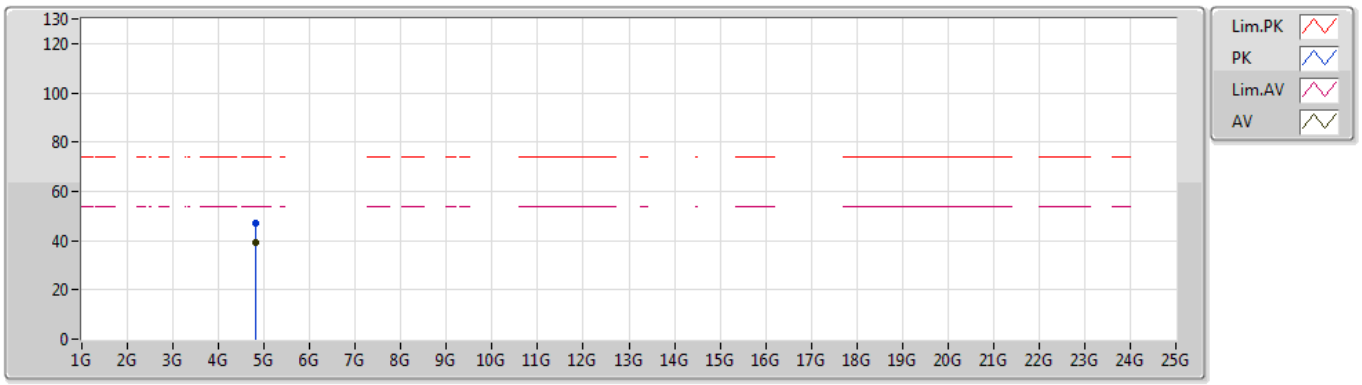


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82402G	39.00	54.00	-15.00	3.49	3	Vertical	321	1.65	-
PK	4.82402G	47.47	74.00	-26.53	3.49	3	Vertical	321	1.65	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

16/04/2019

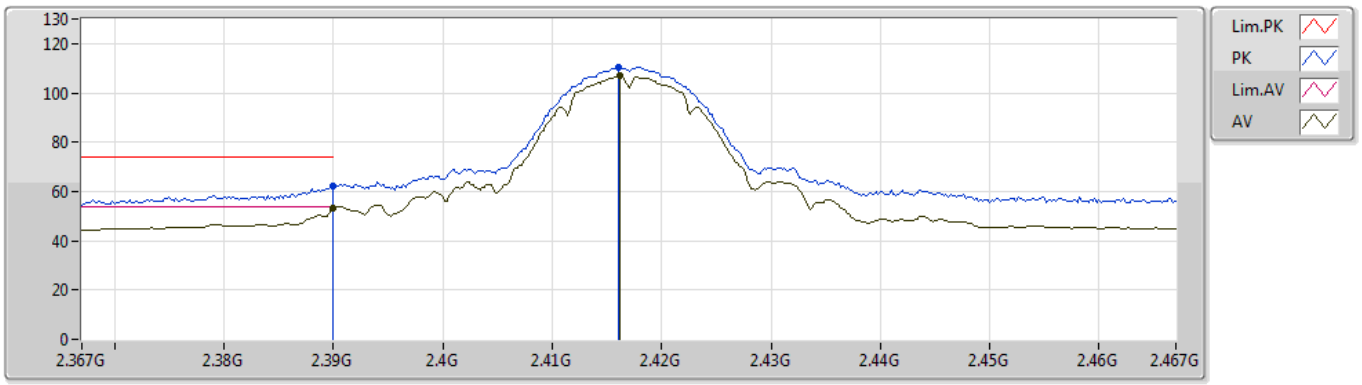


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.82402G	39.25	54.00	-14.75	3.49	3	Horizontal	323	2.36	-
PK	4.82404G	46.83	74.00	-27.17	3.49	3	Horizontal	323	2.36	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

16/04/2019

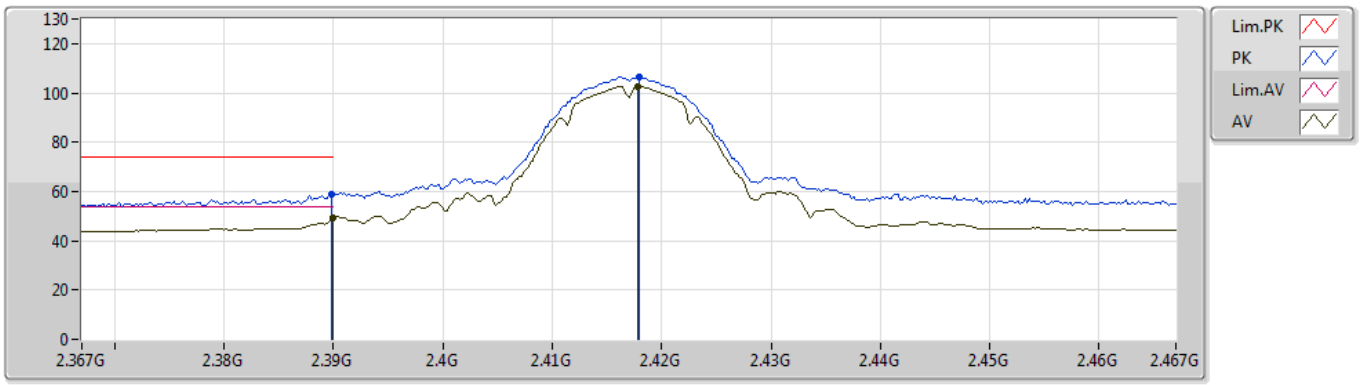


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.43	54.00	-0.57	31.86	3	Vertical	80	2.88	-
AV	2.4162G	106.90	Inf	-Inf	31.95	3	Vertical	80	2.88	-
PK	2.39G	62.16	74.00	-11.84	31.86	3	Vertical	80	2.88	-
PK	2.416G	110.55	Inf	-Inf	31.95	3	Vertical	80	2.88	-

802.11b_Nss1,(1Mbps)_1TX

2417MHz_TX

16/04/2019

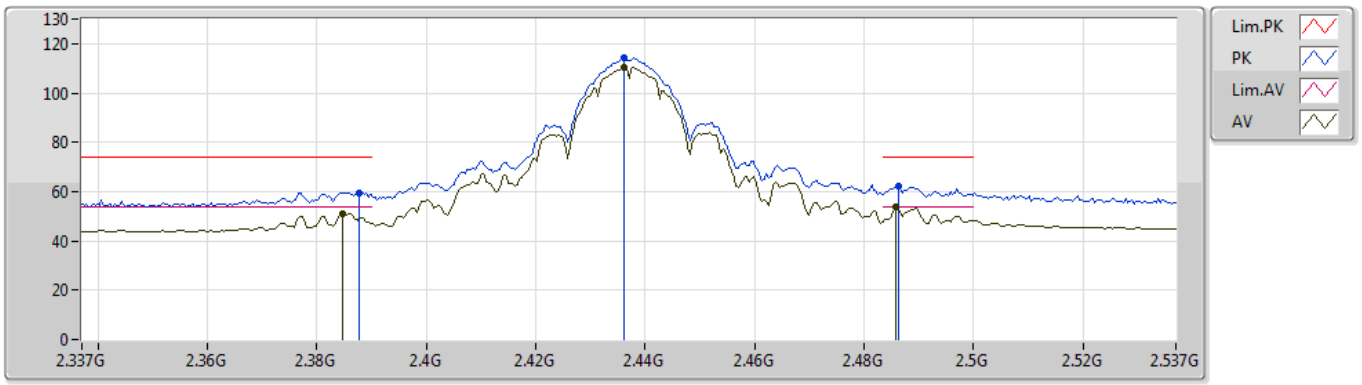


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	49.21	54.00	-4.79	31.86	3	Horizontal	335	1.18	-
AV	2.4178G	102.78	Inf	-Inf	31.95	3	Horizontal	335	1.18	-
PK	2.3898G	58.75	74.00	-15.25	31.86	3	Horizontal	335	1.18	-
PK	2.418G	106.61	Inf	-Inf	31.95	3	Horizontal	335	1.18	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/04/2019

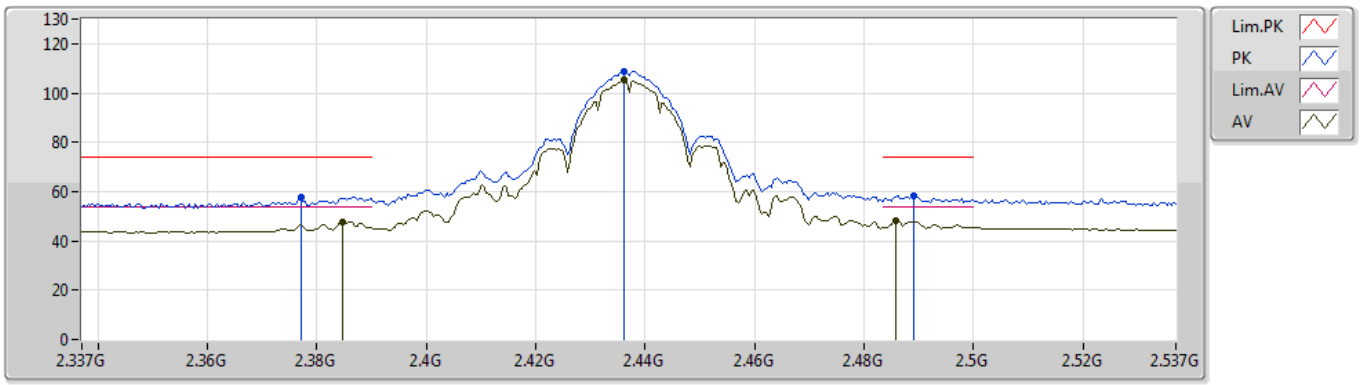


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3846G	50.97	54.00	-3.03	31.83	3	Vertical	180	1.11	-
AV	2.4362G	110.43	Inf	-Inf	32.02	3	Vertical	180	1.11	-
AV	2.4858G	53.64	54.00	-0.36	32.20	3	Vertical	180	1.11	-
PK	2.3878G	59.61	74.00	-14.39	31.85	3	Vertical	180	1.11	-
PK	2.4362G	114.12	Inf	-Inf	32.02	3	Vertical	180	1.11	-
PK	2.4862G	62.47	74.00	-11.53	32.20	3	Vertical	180	1.11	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/04/2019

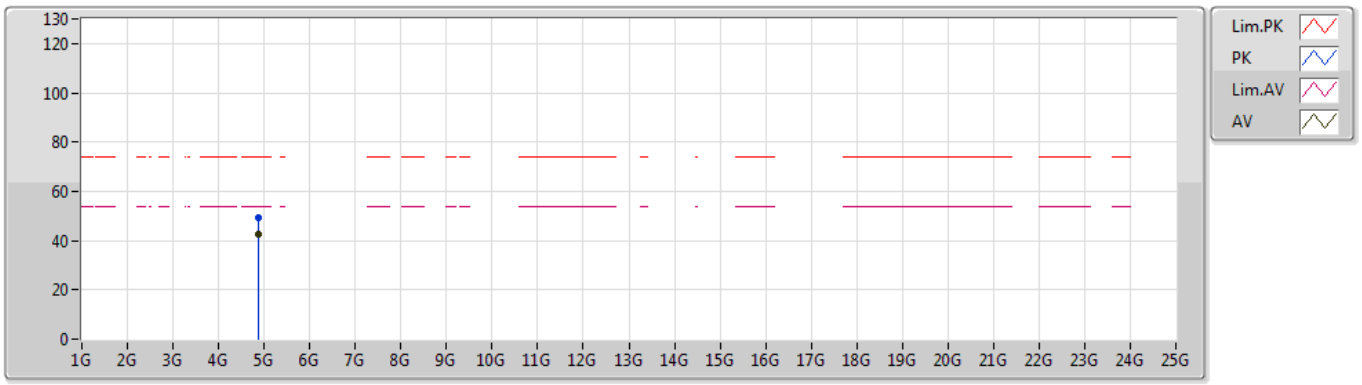


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3846G	47.70	54.00	-6.30	31.83	3	Horizontal	247	1.01	-
AV	2.4362G	105.11	Inf	-Inf	32.02	3	Horizontal	247	1.01	-
AV	2.4858G	48.45	54.00	-5.55	32.20	3	Horizontal	247	1.01	-
PK	2.377G	57.98	74.00	-16.02	31.80	3	Horizontal	247	1.01	-
PK	2.4362G	108.75	Inf	-Inf	32.02	3	Horizontal	247	1.01	-
PK	2.489G	58.33	74.00	-15.67	32.20	3	Horizontal	247	1.01	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/04/2019

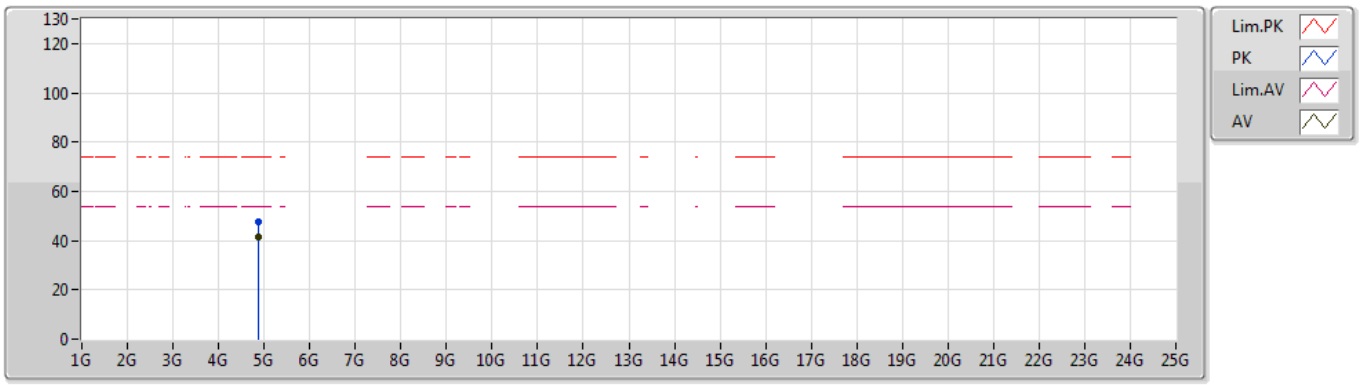


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87404G	42.33	54.00	-11.67	3.61	3	Vertical	324	2.56	-
PK	4.87412G	49.19	74.00	-24.81	3.61	3	Vertical	324	2.56	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

16/04/2019

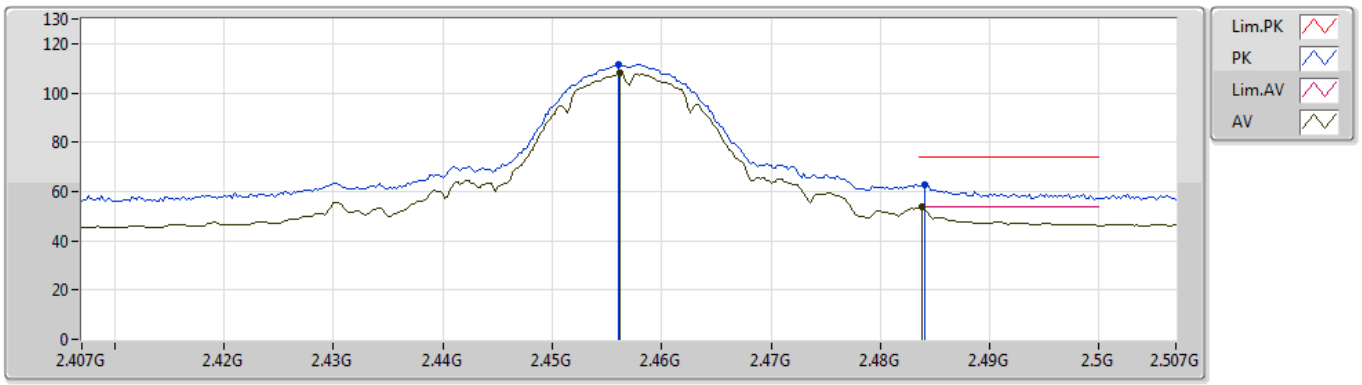


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.87401G	41.42	54.00	-12.58	3.61	3	Horizontal	339	1.06	-
PK	4.87405G	47.48	74.00	-26.52	3.61	3	Horizontal	339	1.06	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

16/04/2019

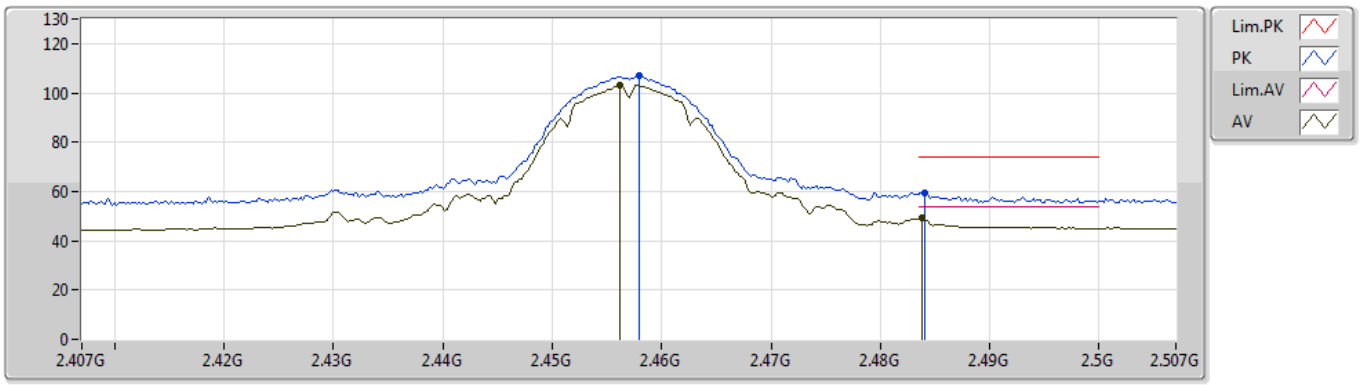


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	107.99	Inf	-Inf	32.09	3	Vertical	64	2.74	-
AV	2.4838G	53.66	54.00	-0.34	32.19	3	Vertical	64	2.74	-
PK	2.456G	111.66	Inf	-Inf	32.09	3	Vertical	64	2.74	-
PK	2.484G	62.48	74.00	-11.52	32.19	3	Vertical	64	2.74	-

802.11b_Nss1,(1Mbps)_1TX

2457MHz_TX

16/04/2019

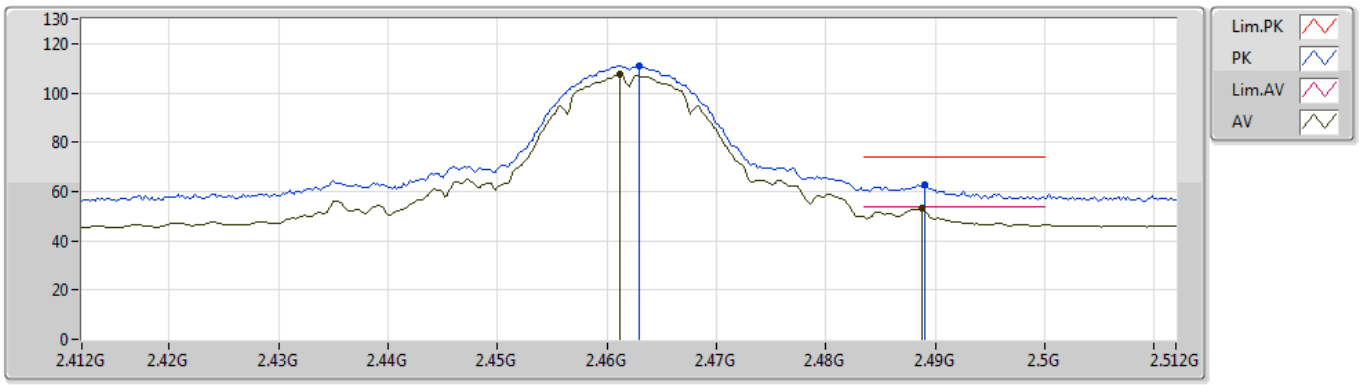


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4562G	103.08	Inf	-Inf	32.09	3	Horizontal	300	1.14	-
AV	2.4838G	49.28	54.00	-4.72	32.19	3	Horizontal	300	1.14	-
PK	2.458G	106.94	Inf	-Inf	32.10	3	Horizontal	300	1.14	-
PK	2.484G	59.50	74.00	-14.50	32.19	3	Horizontal	300	1.14	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/04/2019

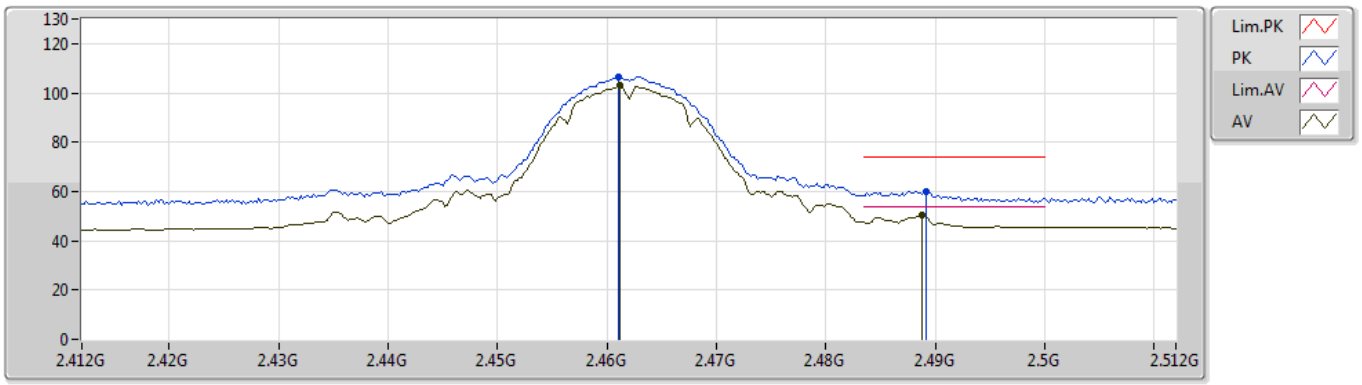


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	107.41	Inf	-Inf	32.11	3	Vertical	73	2.77	-
AV	2.4888G	53.27	54.00	-0.73	32.20	3	Vertical	73	2.77	-
PK	2.463G	111.12	Inf	-Inf	32.11	3	Vertical	73	2.77	-
PK	2.489G	62.79	74.00	-11.21	32.20	3	Vertical	73	2.77	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/04/2019

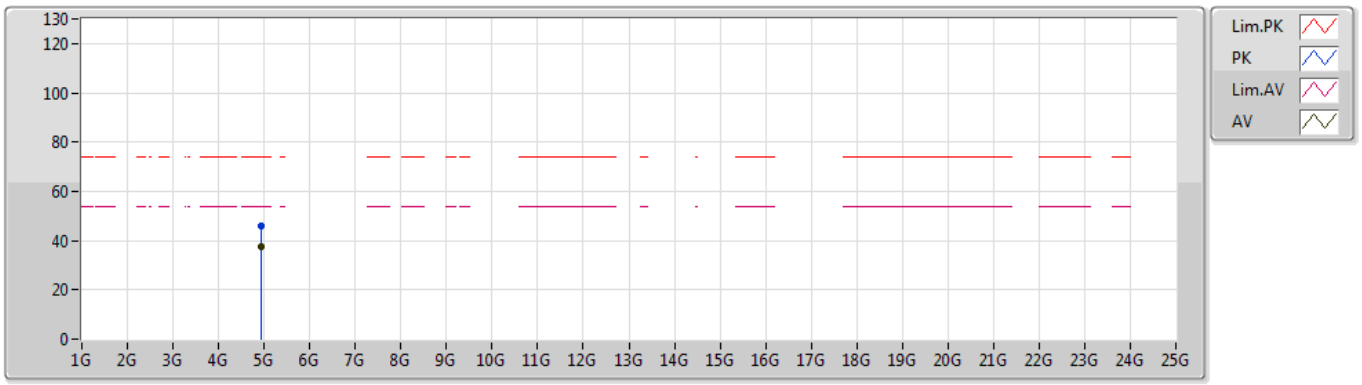


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4612G	102.83	Inf	-Inf	32.11	3	Horizontal	302	2.41	-
AV	2.4888G	50.41	54.00	-3.59	32.20	3	Horizontal	302	2.41	-
PK	2.461G	106.50	Inf	-Inf	32.11	3	Horizontal	302	2.41	-
PK	2.4892G	59.84	74.00	-14.16	32.20	3	Horizontal	302	2.41	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/04/2019

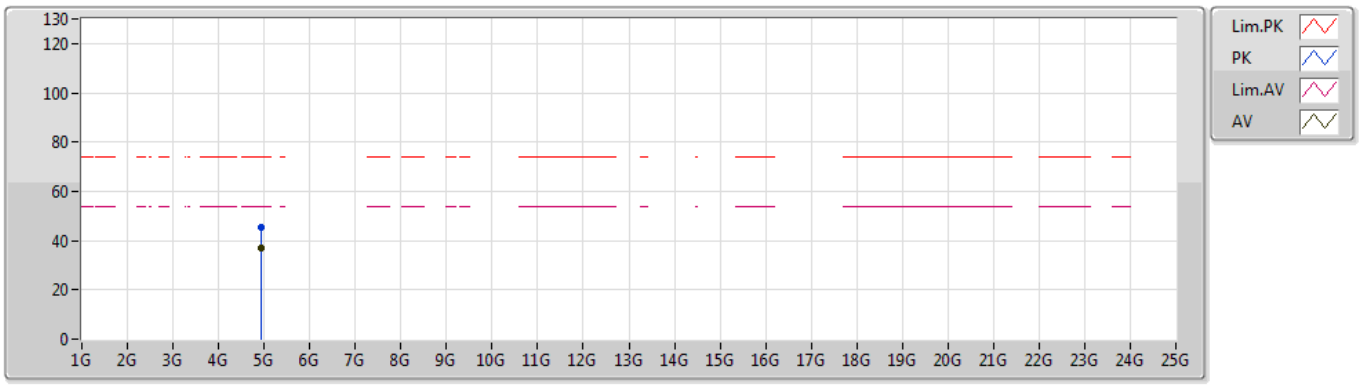


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92403G	37.33	54.00	-16.67	3.73	3	Vertical	339	1.45	-
PK	4.92388G	45.85	74.00	-28.15	3.73	3	Vertical	339	1.45	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

16/04/2019

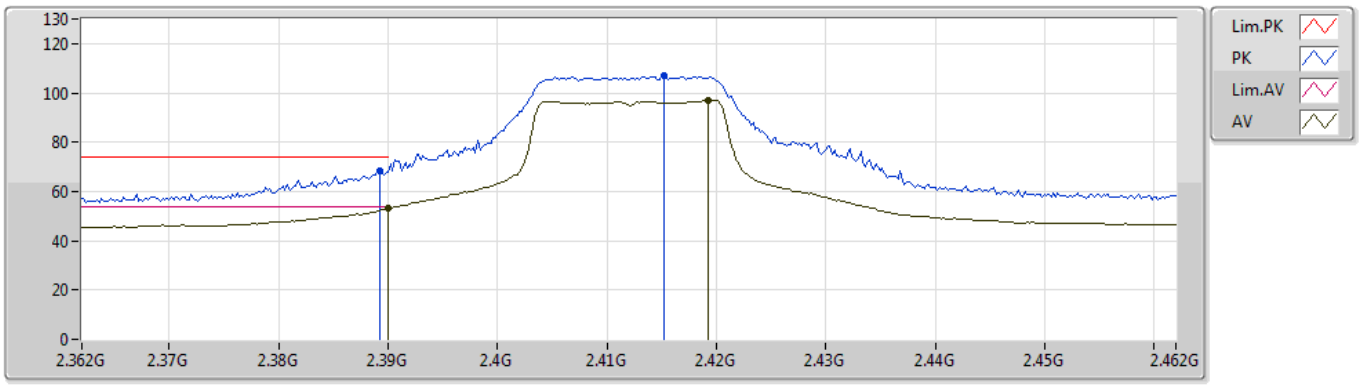


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.92398G	37.15	54.00	-16.85	3.73	3	Horizontal	321	1.09	-
PK	4.92412G	45.61	74.00	-28.39	3.73	3	Horizontal	321	1.09	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/05/2019

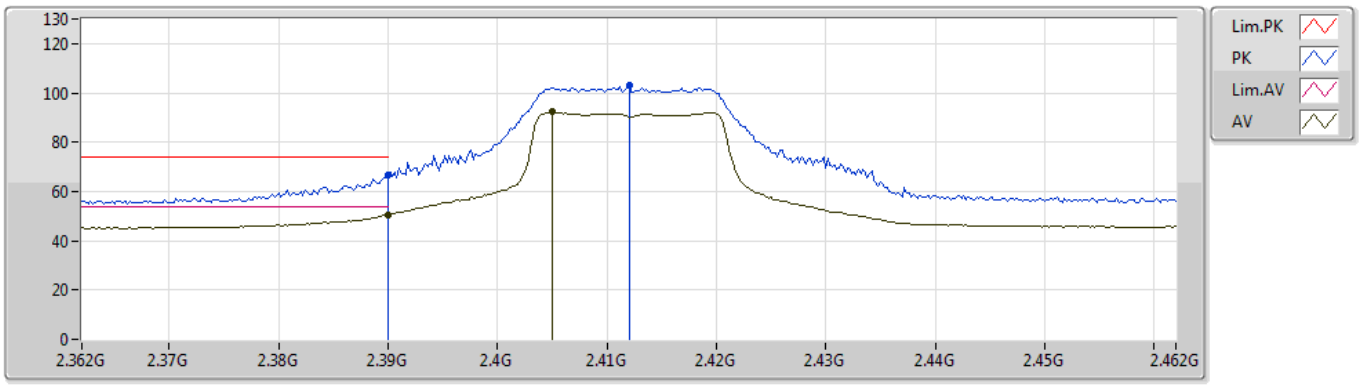


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.24	54.00	-0.76	31.86	3	Vertical	189	1.12	-
AV	2.4192G	96.94	Inf	-Inf	31.96	3	Vertical	189	1.12	-
PK	2.3892G	68.19	74.00	-5.81	31.85	3	Vertical	189	1.12	-
PK	2.4152G	107.23	Inf	-Inf	31.95	3	Vertical	189	1.12	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

03/05/2019

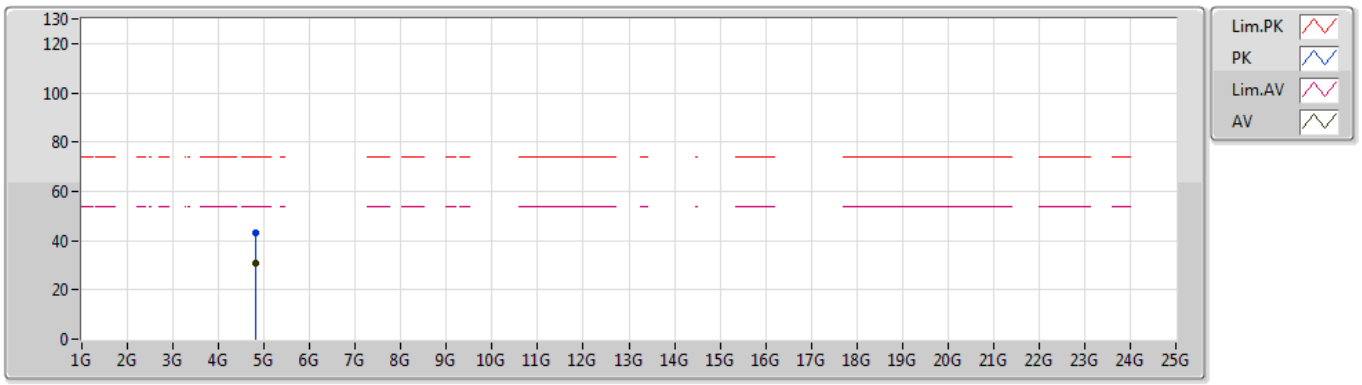


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	50.38	54.00	-3.62	31.86	3	Horizontal	135	1.14	-
AV	2.405G	92.21	Inf	-Inf	31.91	3	Horizontal	135	1.14	-
PK	2.39G	66.44	74.00	-7.56	31.86	3	Horizontal	135	1.14	-
PK	2.412G	102.91	Inf	-Inf	31.93	3	Horizontal	135	1.14	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

11/04/2019

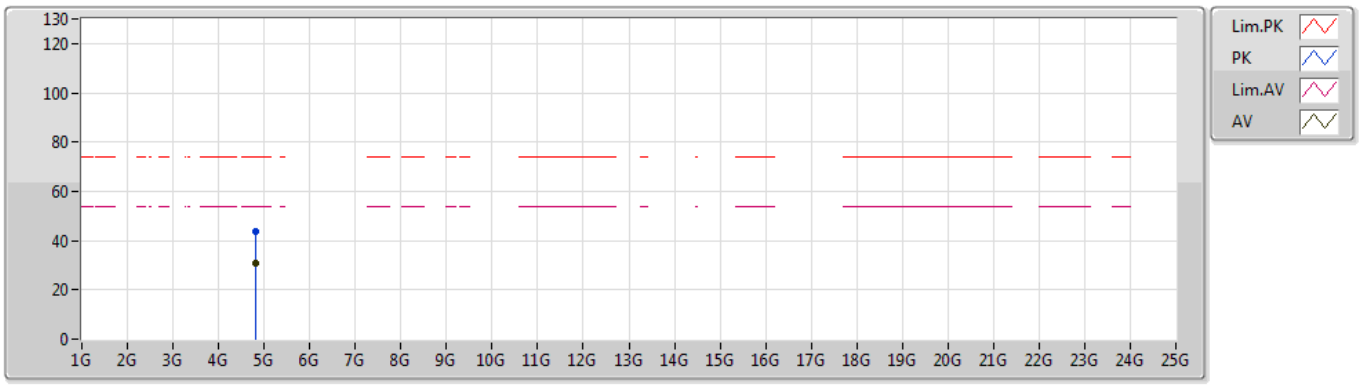


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81272G	30.88	54.00	-23.12	3.46	3	Vertical	176	2.47	-
PK	4.82778G	42.97	74.00	-31.03	3.50	3	Vertical	176	2.47	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

11/04/2019

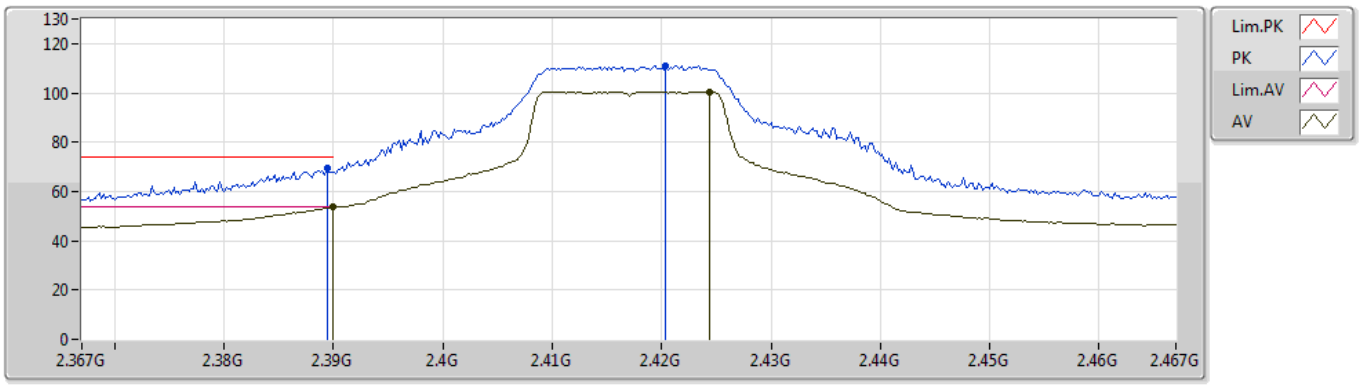


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.809G	30.76	54.00	-23.24	3.46	3	Horizontal	67	2.76	-
PK	4.82466G	43.44	74.00	-30.56	3.49	3	Horizontal	67	2.76	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

16/04/2019

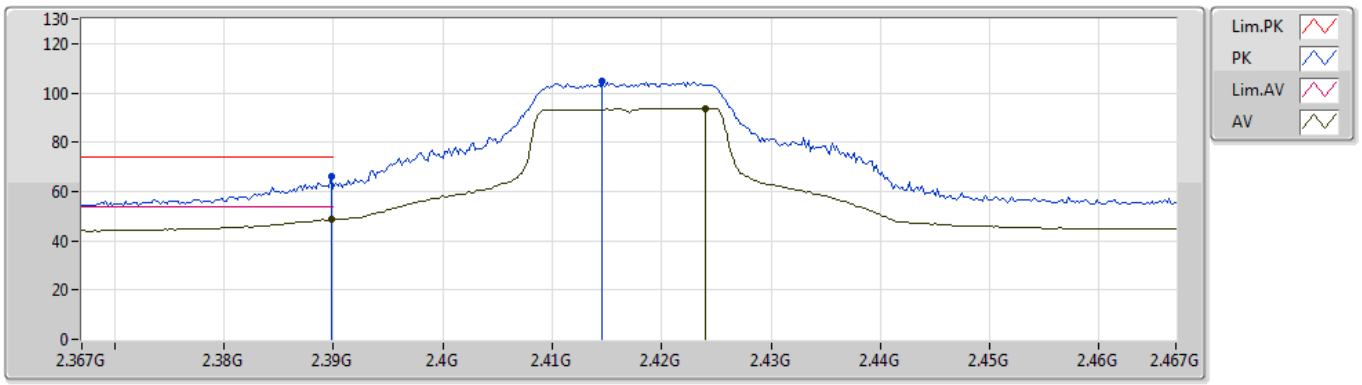


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.63	54.00	-0.37	31.86	3	Vertical	58	2.87	-
AV	2.4244G	100.54	Inf	-Inf	31.98	3	Vertical	58	2.87	-
PK	2.3894G	69.45	74.00	-4.55	31.85	3	Vertical	58	2.87	-
PK	2.4204G	111.12	Inf	-Inf	31.96	3	Vertical	58	2.87	-

802.11g_Nss1,(6Mbps)_1TX

2417MHz_TX

16/04/2019

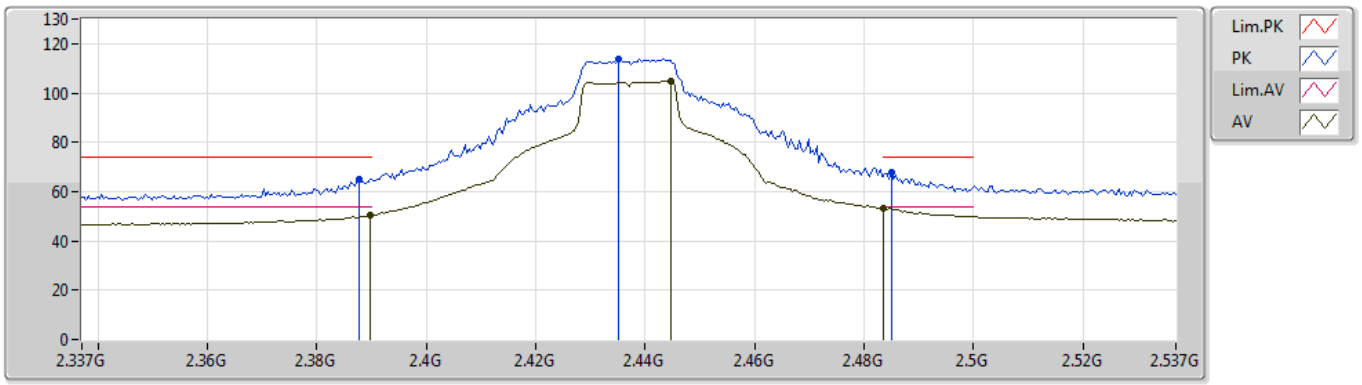


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	48.74	54.00	-5.26	31.86	3	Horizontal	334	1.21	-
AV	2.424G	93.85	Inf	-Inf	31.98	3	Horizontal	334	1.21	-
PK	2.3898G	65.89	74.00	-8.11	31.86	3	Horizontal	334	1.21	-
PK	2.4146G	104.71	Inf	-Inf	31.95	3	Horizontal	334	1.21	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

11/04/2019

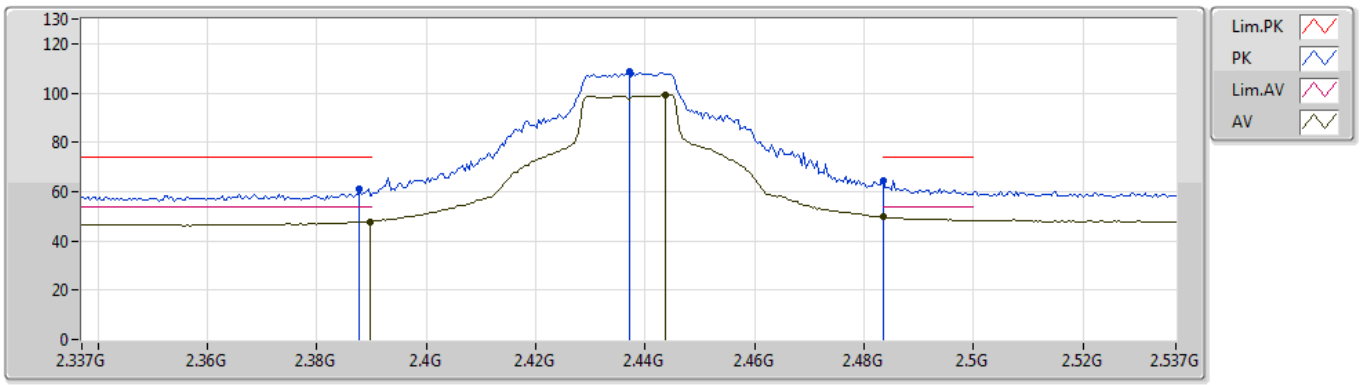


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	50.36	54.00	-3.64	31.86	3	Vertical	147	2.24	-
AV	2.4446G	105.04	Inf	-Inf	32.05	3	Vertical	147	2.24	-
AV	2.4835G	53.14	54.00	-0.86	32.19	3	Vertical	147	2.24	-
PK	2.3878G	65.04	74.00	-8.96	31.85	3	Vertical	147	2.24	-
PK	2.435G	113.90	Inf	-Inf	32.01	3	Vertical	147	2.24	-
PK	2.485G	67.80	74.00	-6.20	32.19	3	Vertical	147	2.24	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

11/04/2019

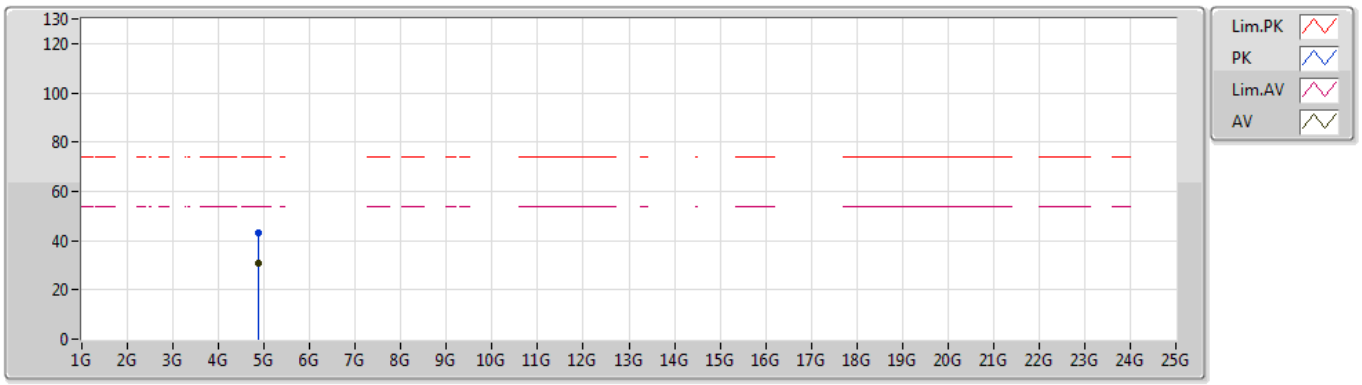


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	47.81	54.00	-6.19	31.86	3	Horizontal	209	2.86	-
AV	2.4438G	99.31	Inf	-Inf	32.05	3	Horizontal	209	2.86	-
AV	2.4835G	49.74	54.00	-4.26	32.19	3	Horizontal	209	2.86	-
PK	2.3878G	61.16	74.00	-12.84	31.85	3	Horizontal	209	2.86	-
PK	2.437G	108.62	Inf	-Inf	32.02	3	Horizontal	209	2.86	-
PK	2.4835G	64.41	74.00	-9.59	32.19	3	Horizontal	209	2.86	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

11/04/2019

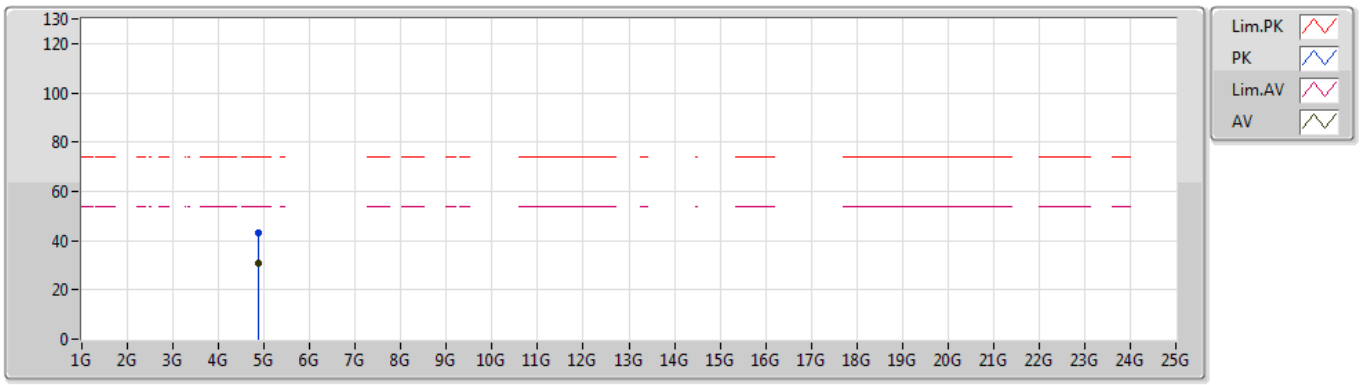


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8722G	31.01	54.00	-22.99	3.61	3	Vertical	90	2.12	-
PK	4.88234G	43.29	74.00	-30.71	3.63	3	Vertical	90	2.12	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

11/04/2019

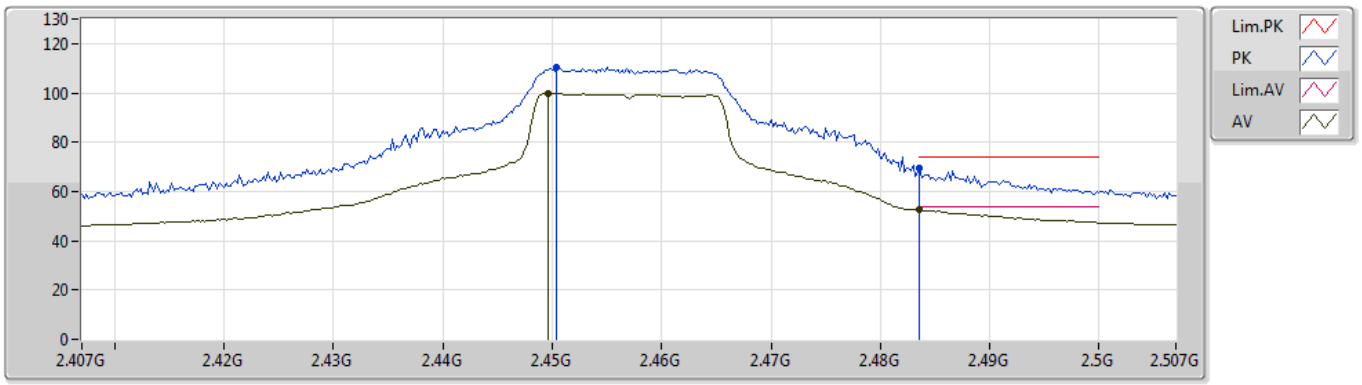


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.8722G	31.01	54.00	-22.99	3.61	3	Horizontal	336	2.39	-
PK	4.88252G	43.29	74.00	-30.71	3.63	3	Horizontal	336	2.39	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

16/04/2019

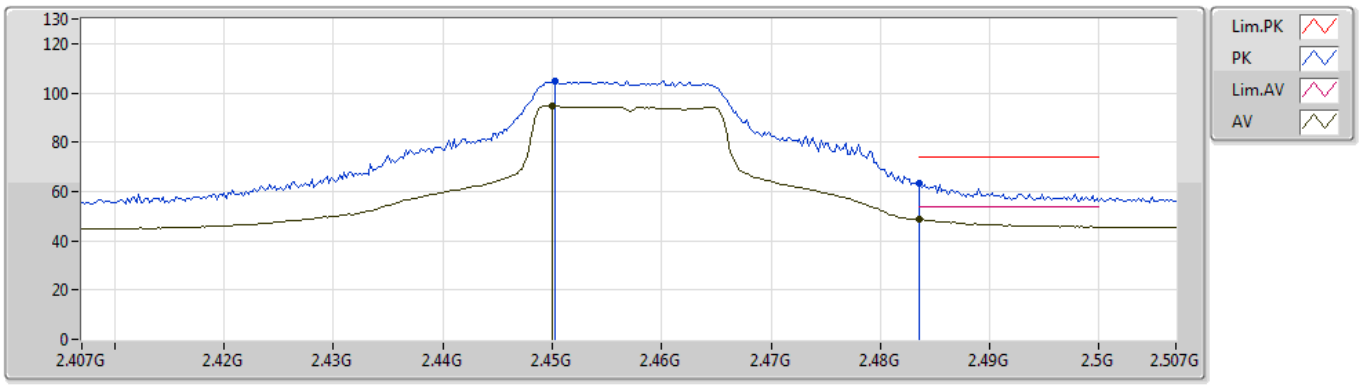


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4496G	99.86	Inf	-Inf	32.07	3	Vertical	55	2.52	-
AV	2.4835G	52.61	54.00	-1.39	32.19	3	Vertical	55	2.52	-
PK	2.4504G	110.30	Inf	-Inf	32.07	3	Vertical	55	2.52	-
PK	2.4836G	69.44	74.00	-4.56	32.19	3	Vertical	55	2.52	-

802.11g_Nss1,(6Mbps)_1TX

2457MHz_TX

16/04/2019

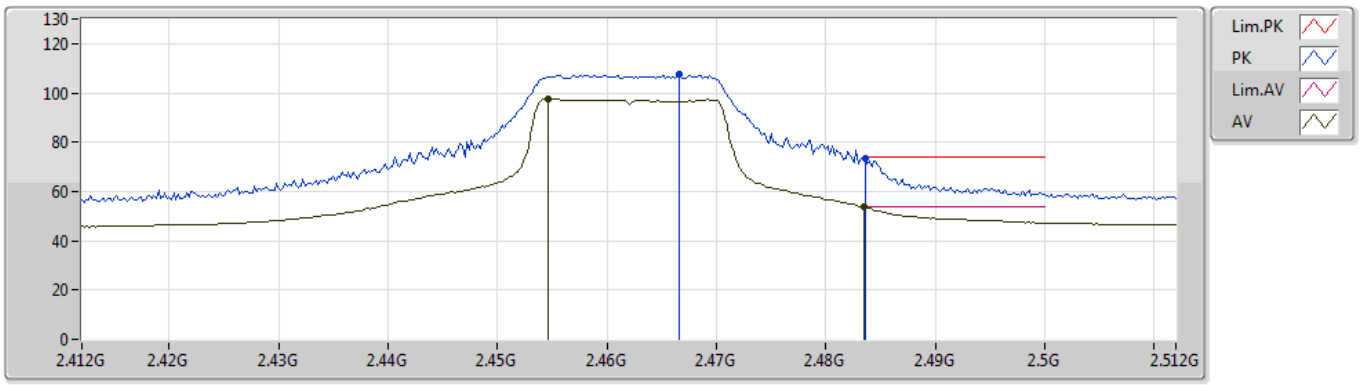


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.45G	94.82	Inf	-Inf	32.07	3	Horizontal	302	2.76	-
AV	2.4835G	48.73	54.00	-5.27	32.19	3	Horizontal	302	2.76	-
PK	2.4502G	105.06	Inf	-Inf	32.07	3	Horizontal	302	2.76	-
PK	2.4836G	63.55	74.00	-10.45	32.19	3	Horizontal	302	2.76	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

03/05/2019

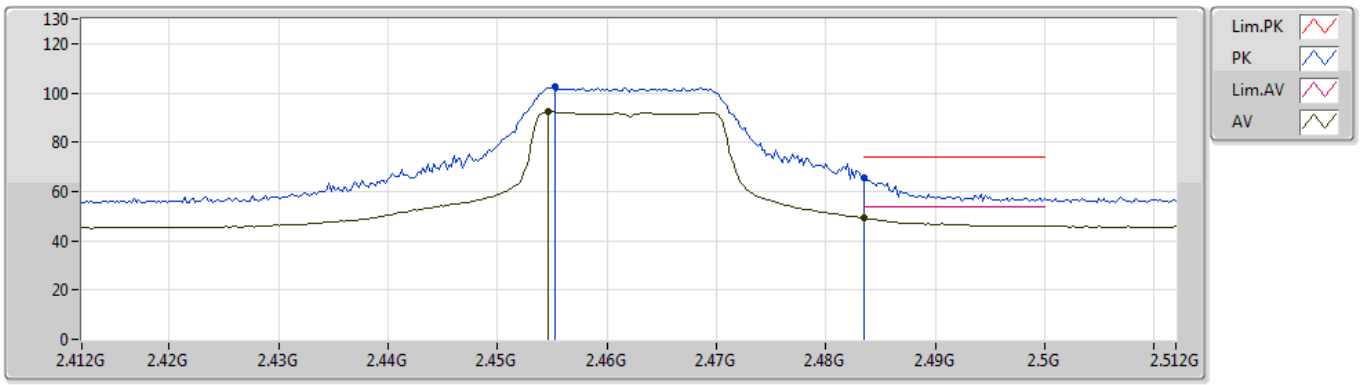


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4546G	97.61	Inf	-Inf	32.08	3	Vertical	190	1.12	-
AV	2.4835G	53.95	54.00	-0.05	32.19	3	Vertical	190	1.12	-
PK	2.4666G	107.77	Inf	-Inf	32.13	3	Vertical	190	1.12	-
PK	2.4836G	73.31	74.00	-0.69	32.19	3	Vertical	190	1.12	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

03/05/2019

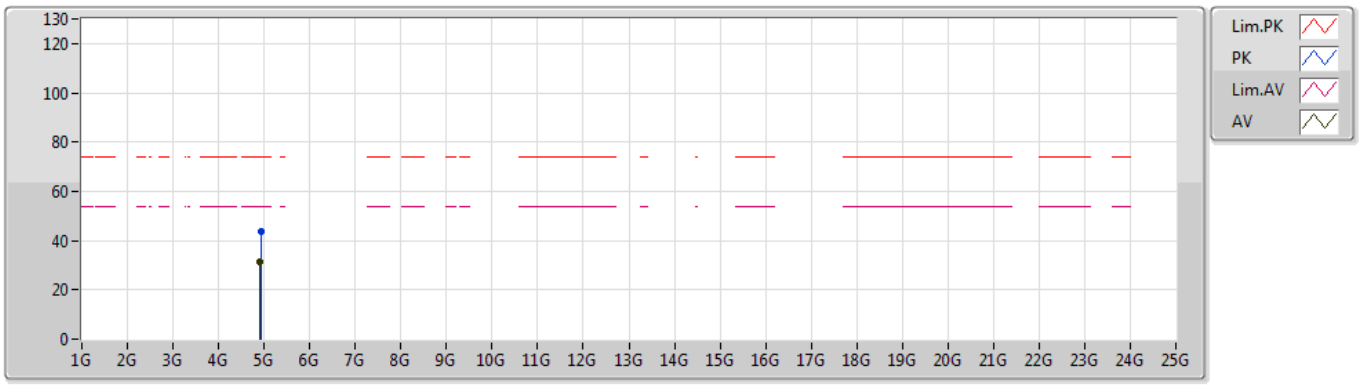


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4546G	92.27	Inf	-Inf	32.08	3	Horizontal	132	1.52	-
AV	2.4835G	49.22	54.00	-4.78	32.19	3	Horizontal	132	1.52	-
PK	2.4552G	102.42	Inf	-Inf	32.08	3	Horizontal	132	1.52	-
PK	2.4835G	65.52	74.00	-8.48	32.19	3	Horizontal	132	1.52	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

11/04/2019

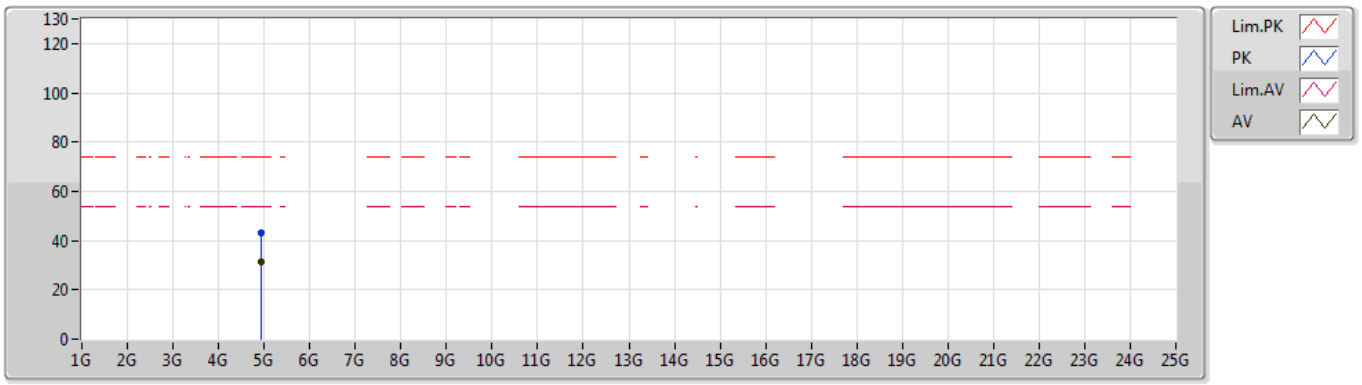


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.91188G	31.26	54.00	-22.74	3.70	3	Vertical	146	2.35	-
PK	4.93474G	43.54	74.00	-30.46	3.76	3	Vertical	146	2.35	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

11/04/2019

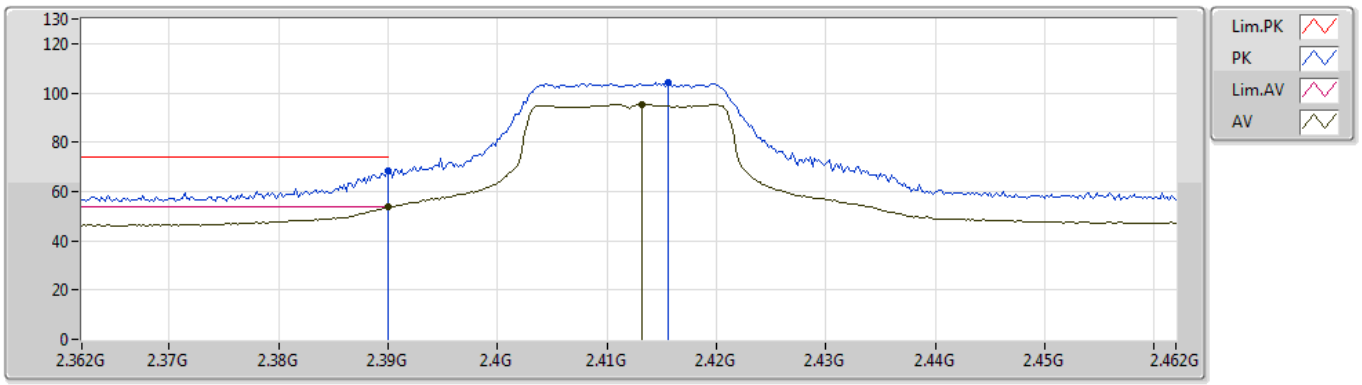


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9372G	31.25	54.00	-22.75	3.77	3	Horizontal	45	2.82	-
PK	4.92934G	43.17	74.00	-30.83	3.74	3	Horizontal	45	2.82	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

09/05/2019

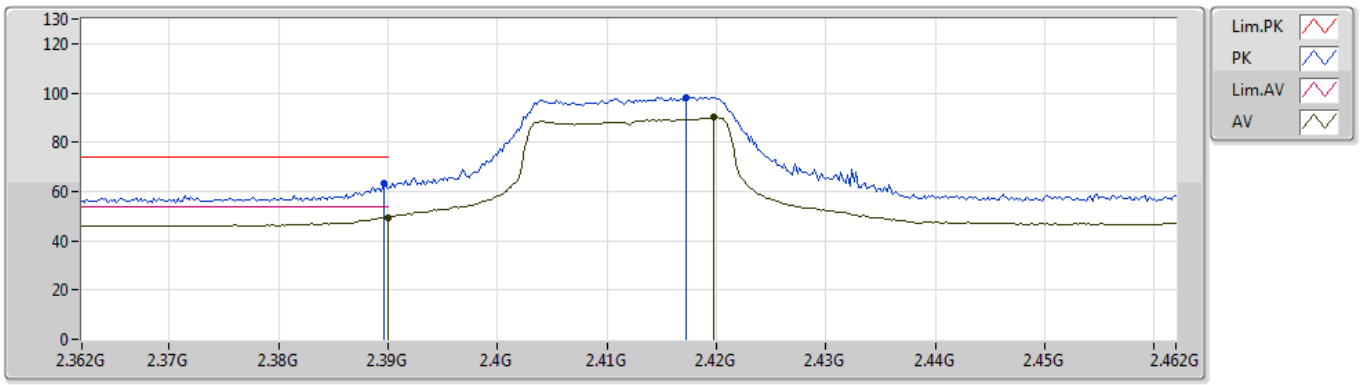


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	53.60	54.00	-0.40	30.95	3	Vertical	74	2.25	-
AV	2.4132G	95.21	Inf	-Inf	31.04	3	Vertical	74	2.25	-
PK	2.39G	68.23	74.00	-5.77	30.95	3	Vertical	74	2.25	-
PK	2.4156G	104.24	Inf	-Inf	31.04	3	Vertical	74	2.25	-

802.11n HT20_Nss1,(MCS0)_1TX

09/05/2019

2412MHz_TX

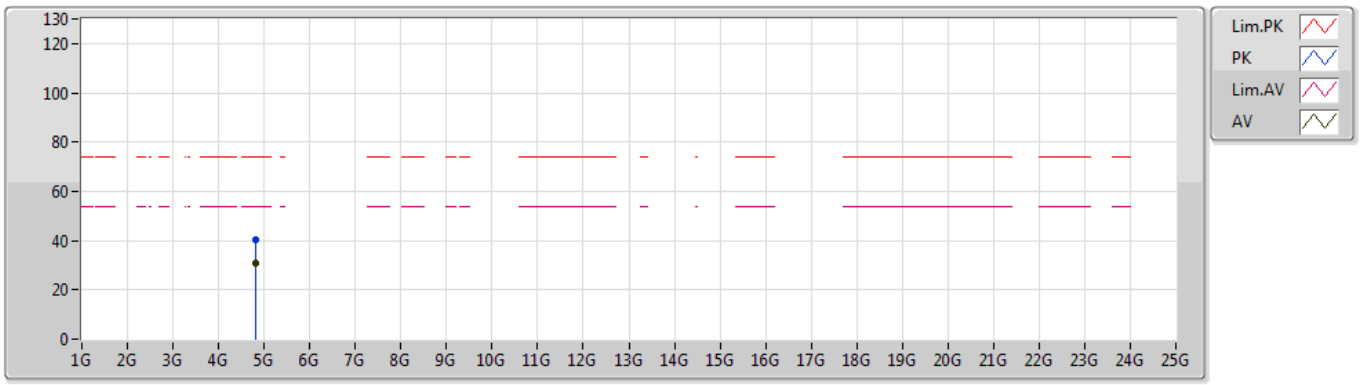


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	49.59	54.00	-4.41	30.95	3	Horizontal	189	2.85	-
AV	2.4198G	89.96	Inf	-Inf	31.07	3	Horizontal	189	2.85	-
PK	2.3896G	63.10	74.00	-10.90	30.95	3	Horizontal	189	2.85	-
PK	2.4172G	98.22	Inf	-Inf	31.06	3	Horizontal	189	2.85	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

09/05/2019

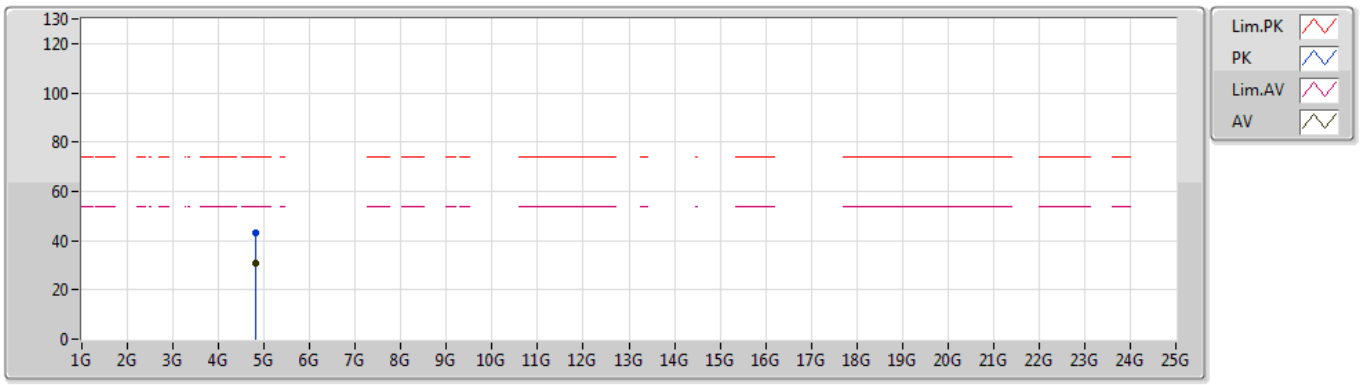


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81128G	30.89	54.00	-23.11	3.46	3	Vertical	49	2.59	-
PK	4.8213G	40.48	74.00	-33.52	3.49	3	Vertical	49	2.59	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

09/05/2019

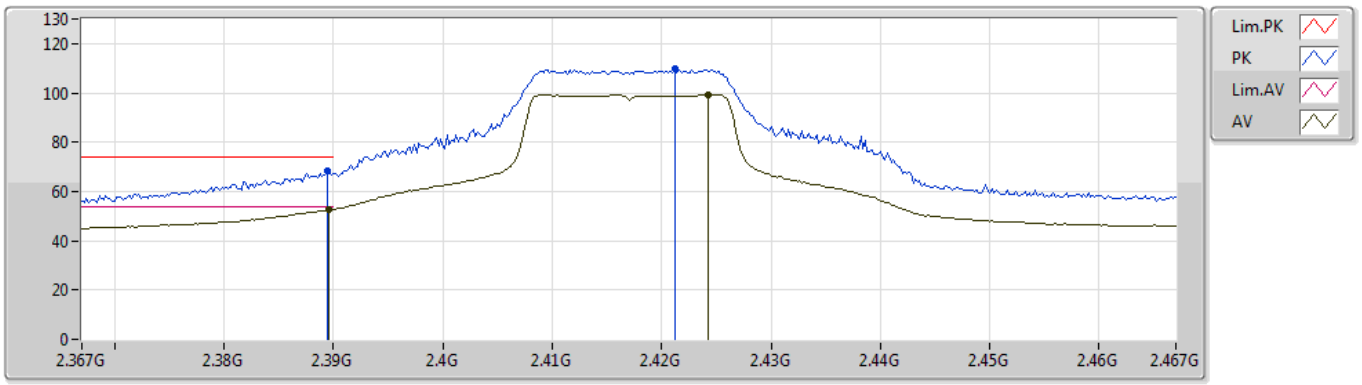


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.81002G	30.83	54.00	-23.17	3.46	3	Horizontal	177	2.87	-
PK	4.81002G	43.26	74.00	-30.74	3.46	3	Horizontal	177	2.87	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

16/04/2019

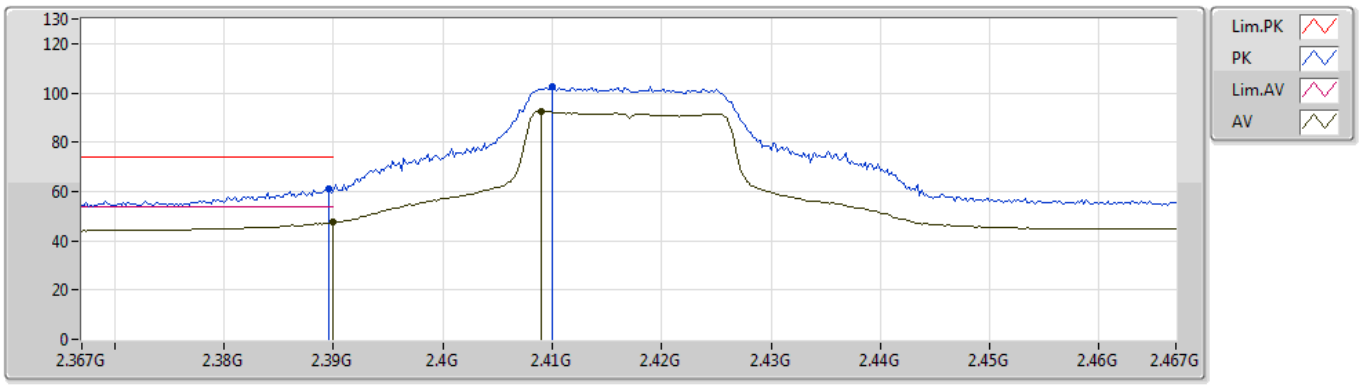


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3896G	52.58	54.00	-1.42	31.86	3	Vertical	58	2.89	-
AV	2.4242G	99.35	Inf	-Inf	31.98	3	Vertical	58	2.89	-
PK	2.3894G	68.26	74.00	-5.74	31.85	3	Vertical	58	2.89	-
PK	2.4212G	109.74	Inf	-Inf	31.96	3	Vertical	58	2.89	-

802.11n HT20_Nss1,(MCS0)_1TX

2417MHz_TX

16/04/2019

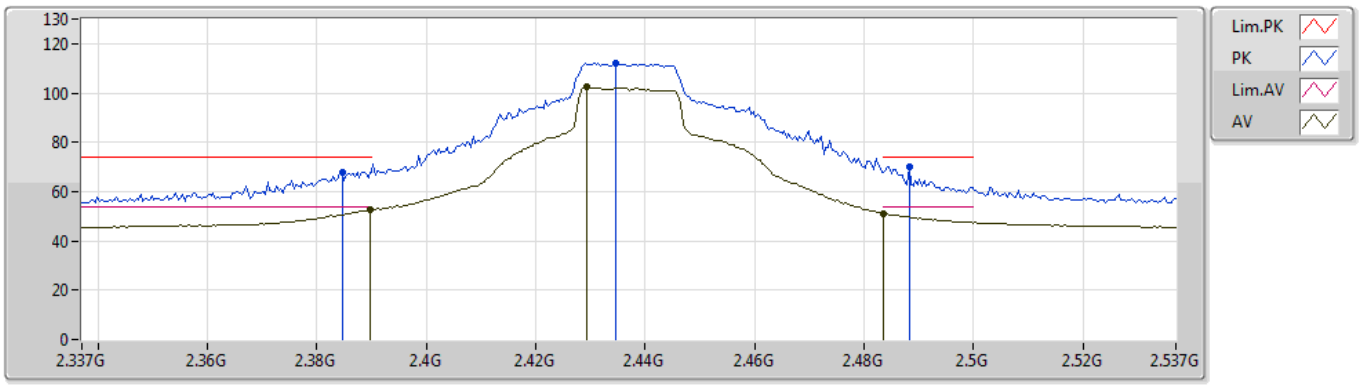


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.39G	47.41	54.00	-6.59	31.86	3	Horizontal	336	1.35	-
AV	2.409G	92.59	Inf	-Inf	31.92	3	Horizontal	336	1.35	-
PK	2.3896G	60.92	74.00	-13.08	31.86	3	Horizontal	336	1.35	-
PK	2.41G	102.67	Inf	-Inf	31.92	3	Horizontal	336	1.35	-

802.11n HT20_Nss1,(MCS0)_1TX

22/04/2019

2437MHz_TX

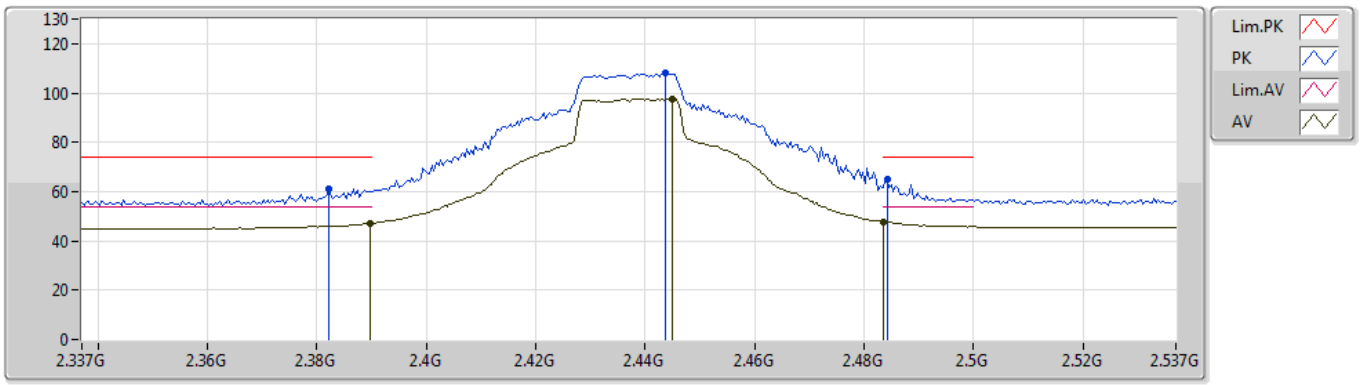


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	52.43	54.00	-1.57	31.86	3	Vertical	199	1.15	-
AV	2.4294G	102.32	Inf	-Inf	31.99	3	Vertical	199	1.15	-
AV	2.4835G	51.02	54.00	-2.98	32.19	3	Vertical	199	1.15	-
PK	2.3846G	68.07	74.00	-5.93	31.83	3	Vertical	199	1.15	-
PK	2.4346G	112.02	Inf	-Inf	32.01	3	Vertical	199	1.15	-
PK	2.4882G	70.21	74.00	-3.79	32.20	3	Vertical	199	1.15	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

22/04/2019

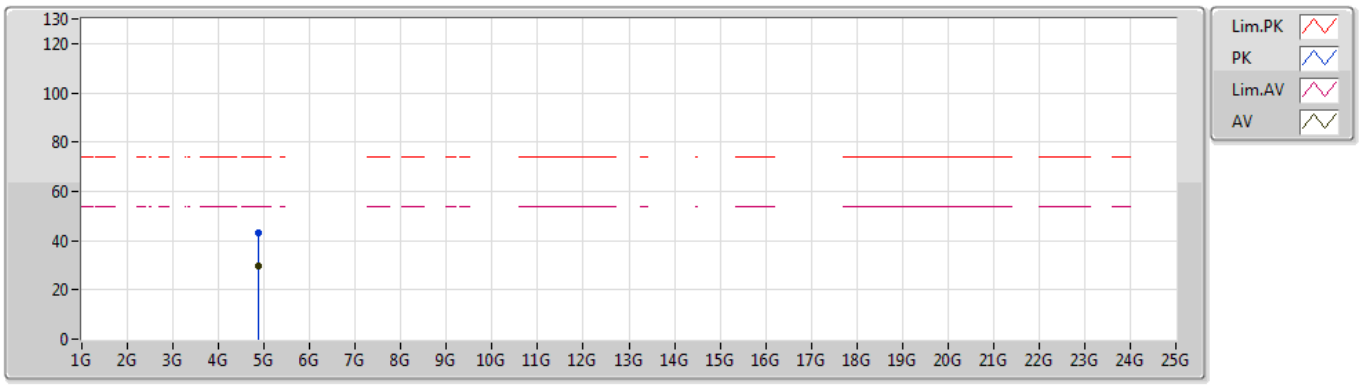


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.3898G	47.28	54.00	-6.72	31.86	3	Horizontal	136	2.88	-
AV	2.445G	97.77	Inf	-Inf	32.05	3	Horizontal	136	2.88	-
AV	2.4835G	47.65	54.00	-6.35	32.19	3	Horizontal	136	2.88	-
PK	2.3822G	61.15	74.00	-12.85	31.83	3	Horizontal	136	2.88	-
PK	2.4438G	108.05	Inf	-Inf	32.05	3	Horizontal	136	2.88	-
PK	2.4842G	65.28	74.00	-8.72	32.19	3	Horizontal	136	2.88	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

22/04/2019

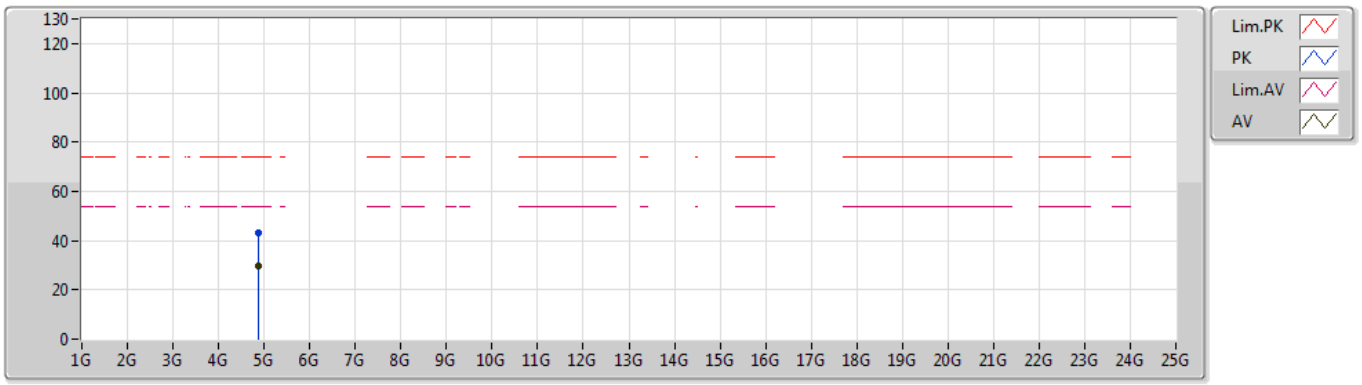


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88816G	29.96	54.00	-24.04	3.65	3	Vertical	208	2.59	-
PK	4.87568G	43.31	74.00	-30.69	3.62	3	Vertical	208	2.59	-

802.11n HT20_Nss1,(MCS0)_1TX

22/04/2019

2437MHz_TX

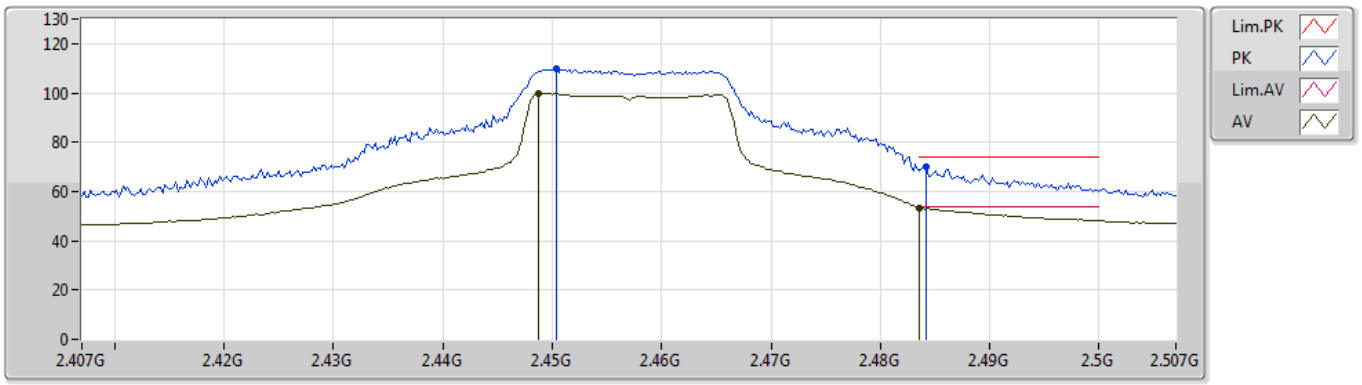


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.88666G	29.86	54.00	-24.14	3.65	3	Horizontal	213	1.34	-
PK	4.8779G	43.41	74.00	-30.59	3.62	3	Horizontal	213	1.34	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

16/04/2019

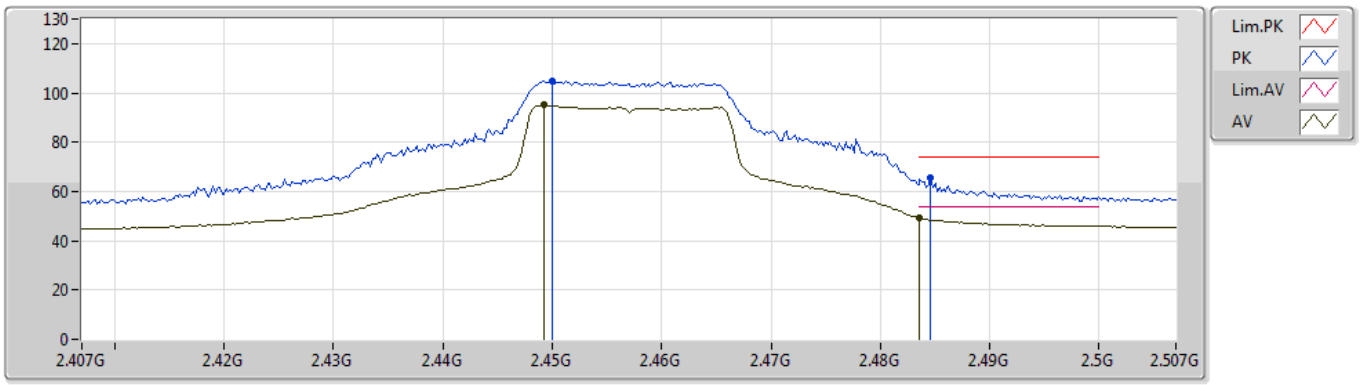


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4488G	99.78	Inf	-Inf	32.07	3	Vertical	58	2.47	-
AV	2.4835G	53.47	54.00	-0.53	32.19	3	Vertical	58	2.47	-
PK	2.4504G	109.84	Inf	-Inf	32.07	3	Vertical	58	2.47	-
PK	2.4842G	70.02	74.00	-3.98	32.19	3	Vertical	58	2.47	-

802.11n HT20_Nss1,(MCS0)_1TX

2457MHz_TX

16/04/2019

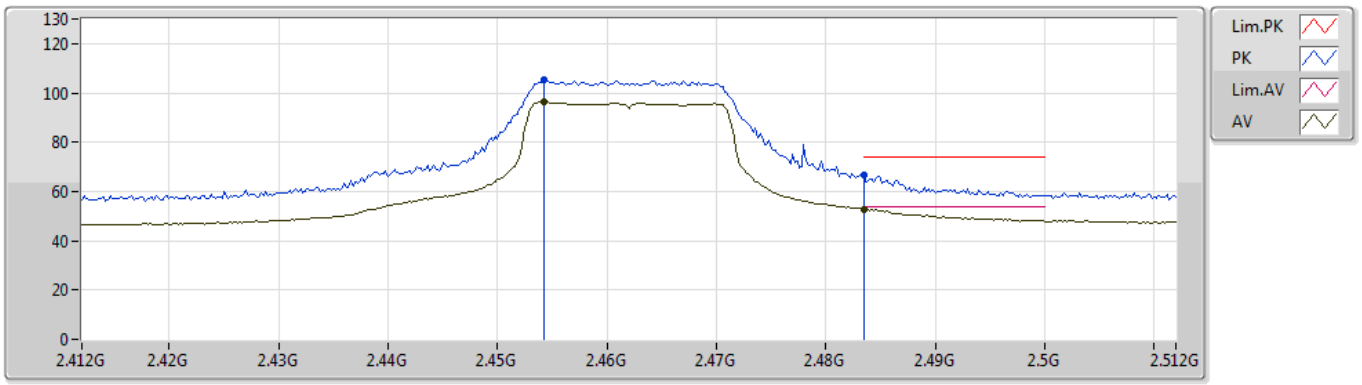


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4492G	94.99	Inf	-Inf	32.07	3	Horizontal	304	2.77	-
AV	2.4835G	49.12	54.00	-4.88	32.19	3	Horizontal	304	2.77	-
PK	2.45G	105.06	Inf	-Inf	32.07	3	Horizontal	304	2.77	-
PK	2.4846G	65.64	74.00	-8.36	32.19	3	Horizontal	304	2.77	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

09/05/2019

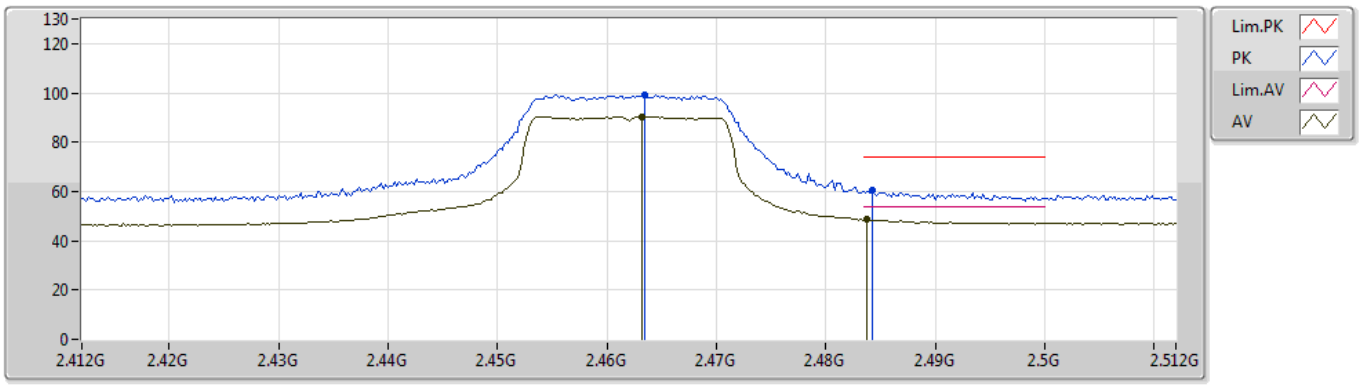


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4542G	96.23	Inf	-Inf	31.19	3	Vertical	70	1.07	-
AV	2.4835G	52.92	54.00	-1.08	31.30	3	Vertical	70	1.07	-
PK	2.4542G	105.32	Inf	-Inf	31.19	3	Vertical	70	1.07	-
PK	2.4835G	66.70	74.00	-7.30	31.30	3	Vertical	70	1.07	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

09/05/2019

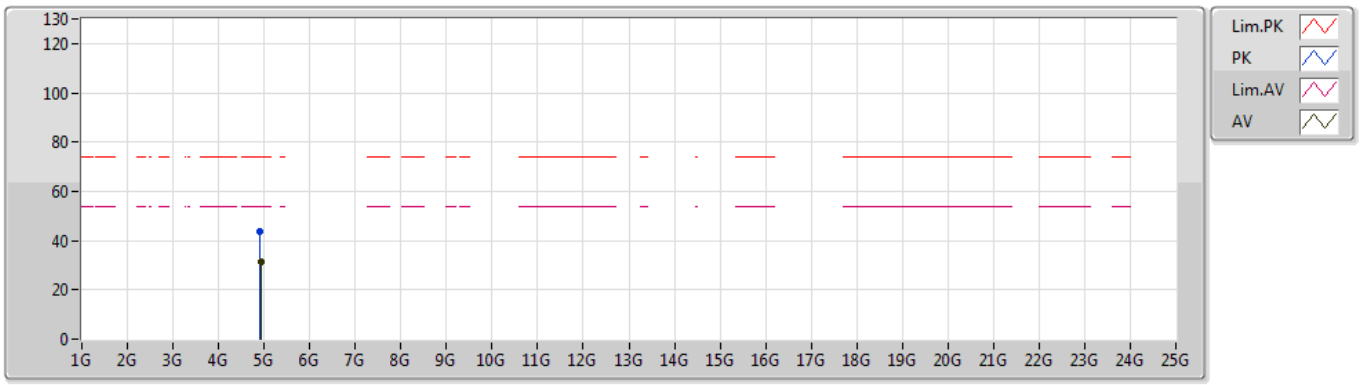


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	2.4632G	90.30	Inf	-Inf	31.23	3	Horizontal	209	1.79	-
AV	2.4838G	48.67	54.00	-5.33	31.30	3	Horizontal	209	1.79	-
PK	2.4634G	99.38	Inf	-Inf	31.23	3	Horizontal	209	1.79	-
PK	2.4842G	60.57	74.00	-13.43	31.31	3	Horizontal	209	1.79	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

09/05/2019

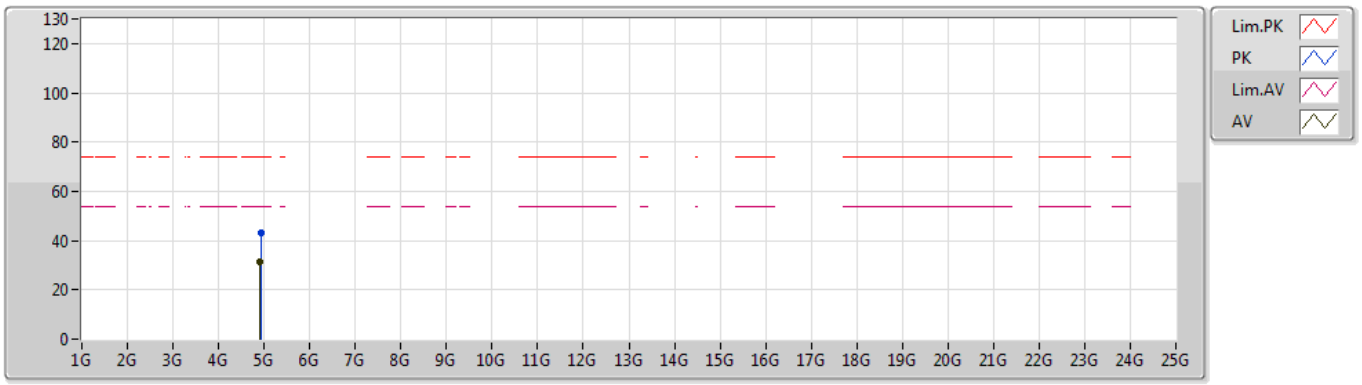


Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.93504G	31.22	54.00	-22.78	3.76	3	Vertical	113	2.54	-
PK	4.91302G	43.59	74.00	-30.41	3.70	3	Vertical	113	2.54	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

09/05/2019



Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comment
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)	
AV	4.9141G	31.20	54.00	-22.80	3.71	3	Horizontal	346	2.48	-
PK	4.92742G	43.32	74.00	-30.68	3.74	3	Horizontal	346	2.48	-