FCC Test Report

Equipment	:	**HD Wi-Fi Outdoor Camera**
Brand Name	:	**Honeywell**
Model No.	:	**IPCAM-WOC1**
FCC ID	:	**CFS8DLIPCAMWOC1**
Standard	:	**47 CFR FCC Part 15.247**
Operating Band	:	**2400 MHz – 2483.5 MHz**
Function	:	**☐ Point-to-multipoint; ☒ Point-to-point**
Applicant/ Manufacturer	:	**Honeywell International Inc. 2 Corporate Center Drive, Melville New York 11747 United States**

The product sample received on Aug. 29, 2017 and completely tested on Sep. 13, 2017. We, SPORTON, 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 test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC., the test report shall not be reproduced except in full.

Phoenix Chen / Assistant Manager

Testing Laboratory 1190

Table of Contents

Summary of Test Result

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

Revision History

Report No.	Version	Description	Issued Date
FR782811AC	Rev. 01	Initial issue of report	Nov. 07, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	MASTER WAVE	98865MRSX003	Dipole	I-PEX	2.42

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter			
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	0.985	0.066	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.917	0.376	1.361m	1k
802.11n HT20	0.909	0.414	1.273m	1k
802.11n HT40	0.862	0.645	633.75u	3k

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 v04

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	Lisa	24.5°C / 63.5%	08/Jun/2017
Radiated	03CH03-HY	Jeff	23.5°C / 65%	13/Sep/2017
AC Conduction	CO04-HY	Bear	24.1°C / 54%	13/Sep/2017

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)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	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	MP_Tool RTL819x 3.4 -2016/01/15

Mode	Power Setting
802.11b_(1Mbps)_1TX	-
2412MHz	46
2437MHz	47
2462MHz	48
802.11g_(6Mbps)_1TX	-
2412MHz	43
2437MHz	49
2462MHz	41
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	42
2437MHz	50
2462MHz	40
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	38
2437MHz	42
2452MHz	36

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	AC Power 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	**Y Plane**	**Z Plane**
		
Worst Planes of EUT		V

2.4 Accessories

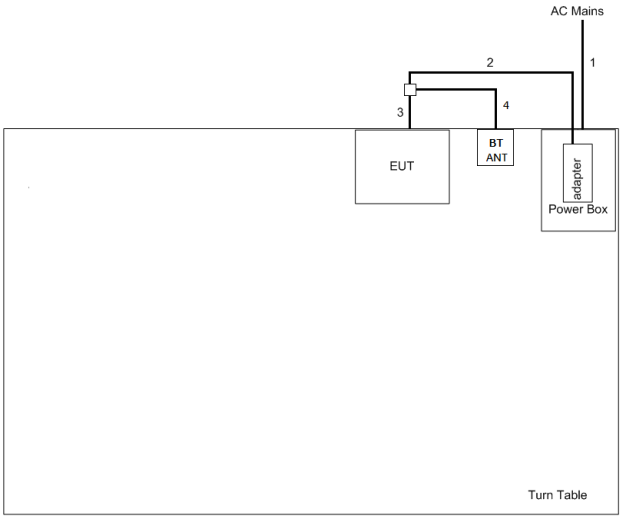
Accessories				
AC Adapter	Brand Name	DVE	Model Name	DSA-24PFM-12 FUS
	Power Rating	I/P: 100- 240 Vac, 0.8 A, O/P: 12 Vdc, 2 A		
	Power Cord	2.4 meter, non-shielded cable, w/o ferrite core		
Extend cable for Adapter	Cable	2.45 meter, non-shielded cable, w/o ferrite core		
Extend cable(for DC 12V)	Cable	0.13 meter, non-shielded cable, w/o ferrite core		

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

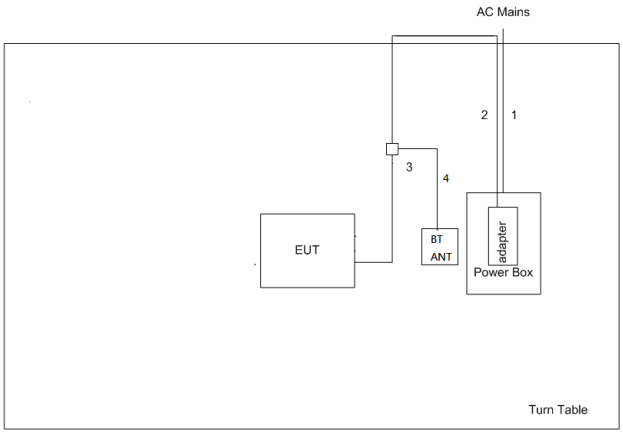
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Line	No	1.8	-
2	DC Power Line	No	2.4	-
3	RF cable	No	0.5	-
4	ANT cable	No	0.2	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Line	No	1.8	-
2	DC Power Line	No	2.4	-
3	RF cable	No	0.5	-
4	ANT cable	No	0.2	-

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

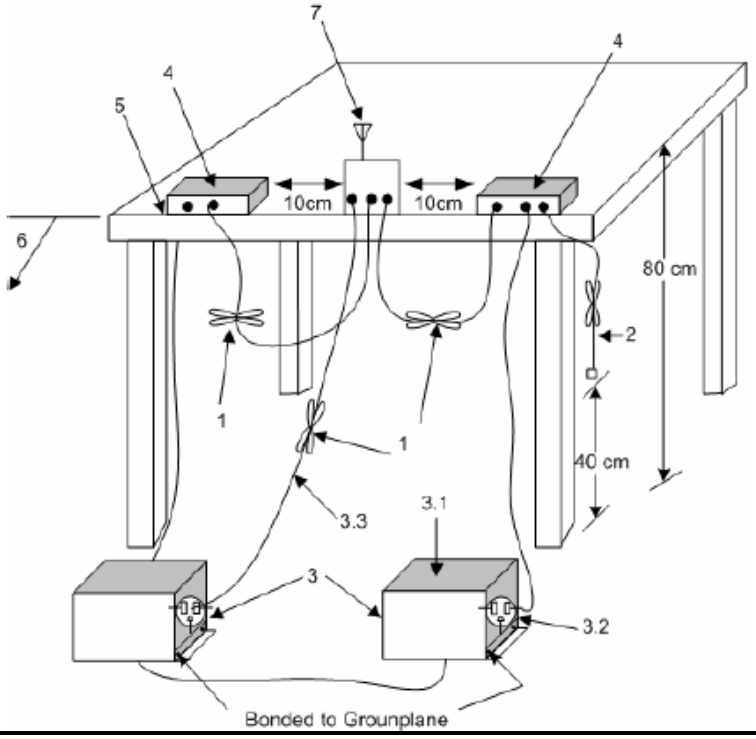
Refer a test equipment and calibration data table in this test report.

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.

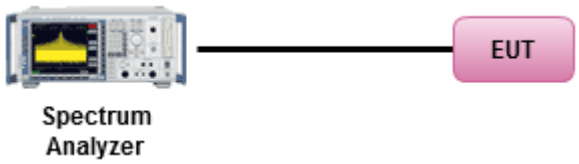
3.2.2 Measuring Instruments

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 8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as RSS-Gen, clause 6.6 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 9.1.1 Option 1 (RBW ≥ EBW method).
	☐ Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
	☐ Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
▪ Maximum Average Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
	Duty cycle < 98%
	☐ Refer as KDB 558074, clause 9.2.2.5 Method AVGSA-2 Alt. (slow sweep speed)
	RF power meter and average over on/off periods with duty factor or gated trigger
	☒ Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average 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

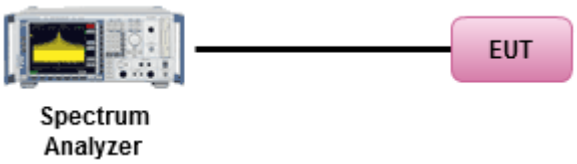
3.4.2 Measuring Instruments

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 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).	
▪ 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.	

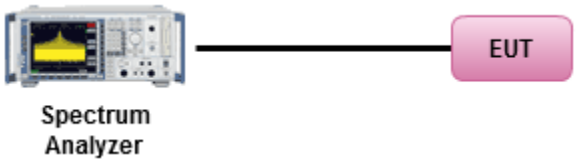
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands
 Spectrum Analyzer

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.

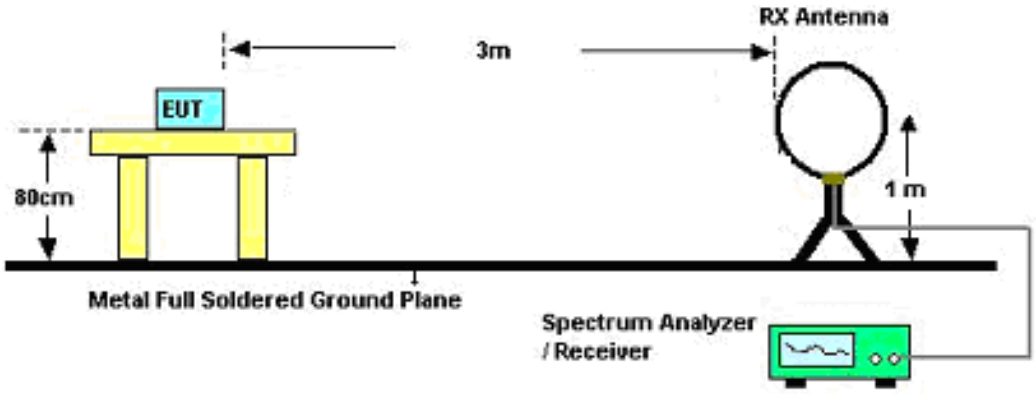
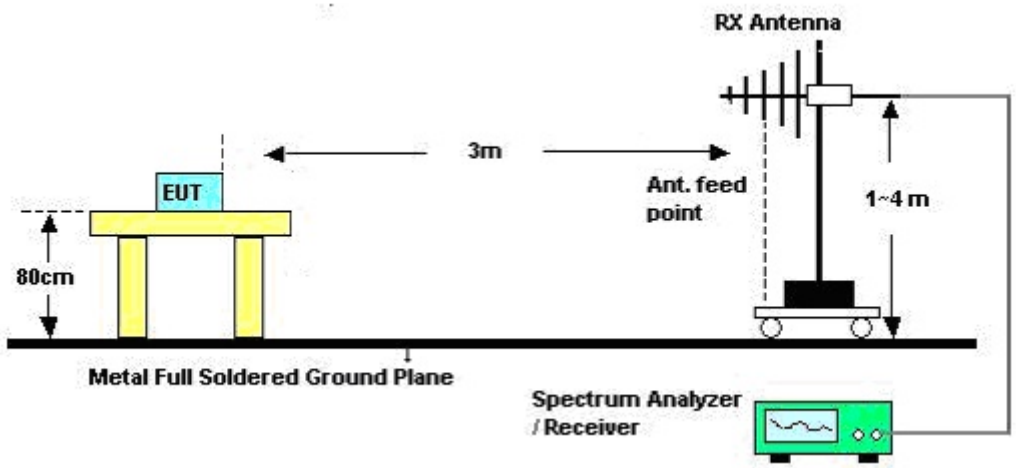
3.6.2 Measuring Instruments

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

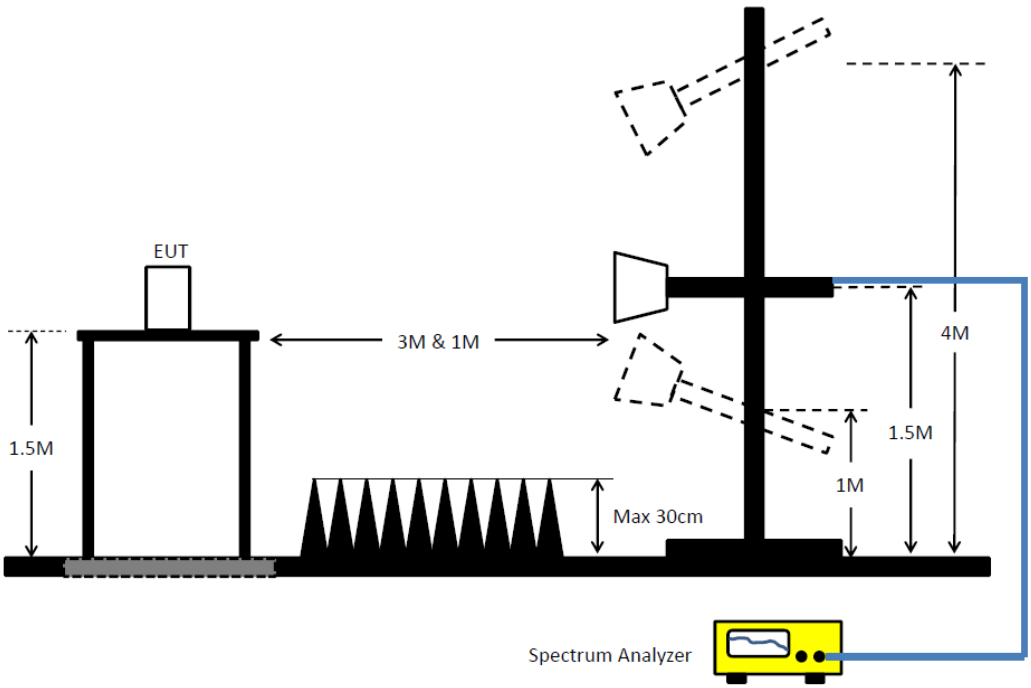
3.6.3 Test Procedures

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 12 for unwanted emissions into restricted bands.
☒ Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW≥1/T.
☒ Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:
▪ Refer as KDB 558074 clause 13.1, 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 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
▪ Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.
▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

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. All amplitude of spurious emissions that are attenuated by more than 20 dB 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	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

NCR : Non-Calibration Require

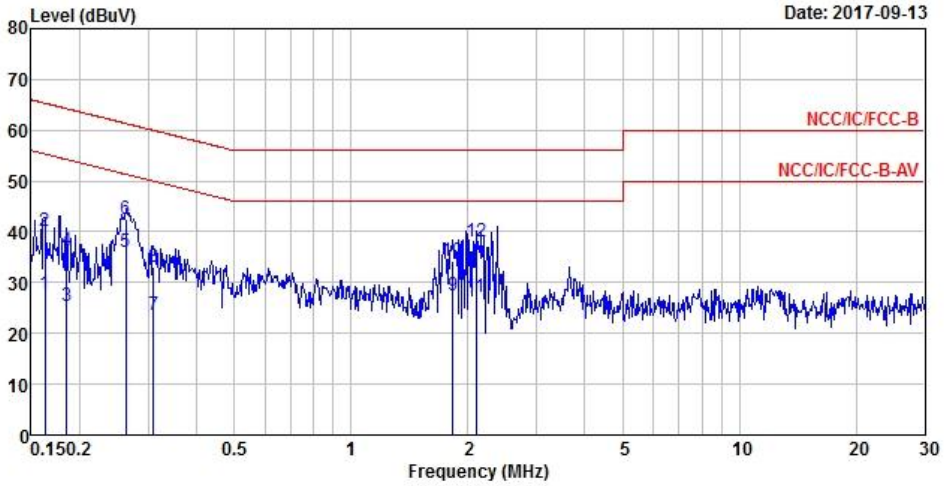
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A08033	10kHz ~ 1.3GHz	19/Apr/2017	18/Apr/2018
Spectrum	R&S	FSV40	101500	9kHz ~ 40GHz	28/Jun/2017	27/Jun/2018
Bilog Antenna	SCHAFFNER	CBL 6112D	22237	30MHz ~ 1GHz	08/Jul/2017	07/Jul/2018
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Amplifier	Agilent	8449B	3008A02326	1GHz ~ 26.5GHz	17/Jul/2017	16/Jul/2018
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	24/Feb/2017	23/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY677/3	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY678/3	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10717/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

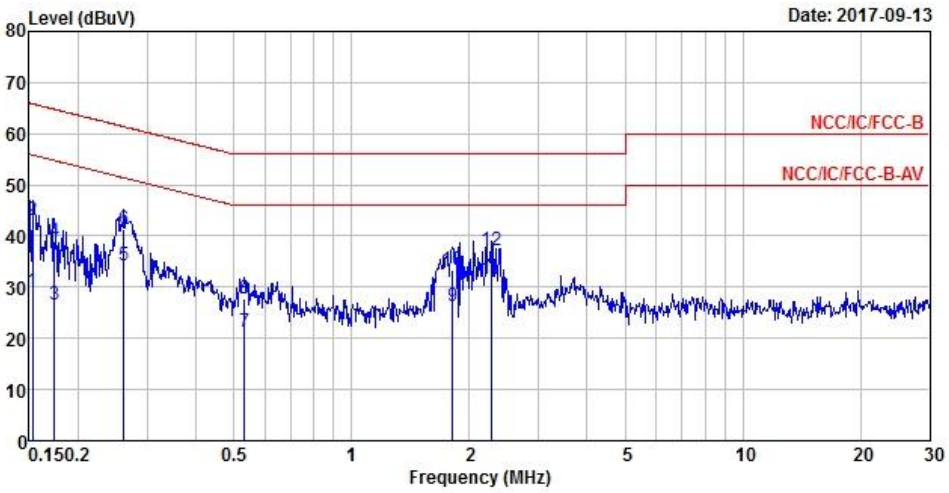
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter Mode (Wi-Fi 2.4G)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16241	27.79	-27.55	55.34	17.93	9.62	0.24	Average
2	0.16241	40.20	-25.14	65.34	30.34	9.62	0.24	QP
3	0.18541	25.41	-28.83	54.24	15.48	9.65	0.28	Average
4	0.18541	36.44	-27.80	64.24	26.51	9.65	0.28	QP
5 MAX	0.26303	35.96	-15.38	51.34	26.09	9.65	0.22	Average
6	0.26303	42.45	-18.89	61.34	32.58	9.65	0.22	QP
7	0.30998	23.61	-26.36	49.97	13.80	9.64	0.17	Average
8	0.30998	33.13	-26.84	59.97	23.32	9.64	0.17	QP
9	1.82885	27.55	-18.45	46.00	17.64	9.64	0.27	Average
10	1.82885	34.31	-21.69	56.00	24.40	9.64	0.27	QP
11	2.09896	27.15	-18.85	46.00	17.21	9.65	0.29	Average
12	2.09896	38.03	-17.97	56.00	28.09	9.65	0.29	QP

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 (Wi-Fi 2.4G)		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15321	29.30	-26.52	55.82	19.42	9.66	0.22	Average
2	0.15321	42.99	-22.83	65.82	33.11	9.66	0.22	QP
3	0.17399	26.52	-28.25	54.77	16.61	9.65	0.26	Average
4	0.17399	39.06	-25.71	64.77	29.15	9.65	0.26	QP
5	0.26164	34.37	-17.01	51.38	24.49	9.66	0.22	Average
6	0.26164	41.18	-20.20	61.38	31.30	9.66	0.22	QP
7	0.53215	21.30	-24.70	46.00	11.54	9.66	0.10	Average
8	0.53215	27.84	-28.16	56.00	18.08	9.66	0.10	QP
9	1.80957	26.33	-19.67	46.00	16.29	9.77	0.27	Average
10	1.80957	33.33	-22.67	56.00	23.29	9.77	0.27	QP
11 MAX	2.27258	31.64	-14.36	46.00	21.59	9.79	0.26	Average
12	2.27258	37.31	-18.69	56.00	27.26	9.79	0.26	QP

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)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	10.025M	14.843M	14M8G1D	9.525M	14.818M
802.11g_(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.075M	16.442M	16M4D1D	15.825M	16.417M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.775M	17.516M	17M5D1D	16.3M	17.466M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	35.95M	36.082M	36M1D1D	35.55M	36.032M

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;

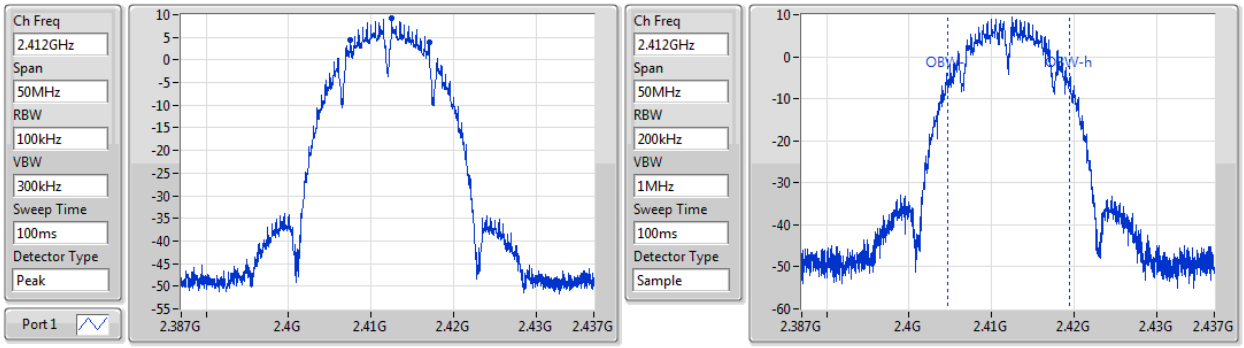
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.525M	14.818M
2437MHz	Pass	500k	10.025M	14.843M
2462MHz	Pass	500k	9.525M	14.843M
802.11g_(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.85M	16.417M
2437MHz	Pass	500k	15.825M	16.442M
2462MHz	Pass	500k	16.075M	16.417M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.3M	17.491M
2437MHz	Pass	500k	16.775M	17.516M
2462MHz	Pass	500k	16.75M	17.466M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.8M	36.032M
2437MHz	Pass	500k	35.55M	36.032M
2452MHz	Pass	500k	35.95M	36.082M

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

802.11b_(1Mbps)_1TX **EBW**

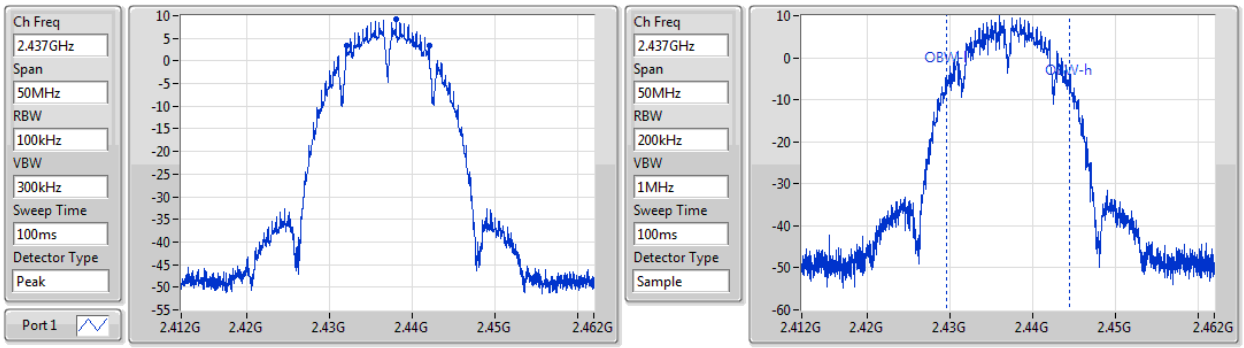
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.4075G	2.417025G	14.818M	2.404629G	2.419446G	500k	1

802.11b_(1Mbps)_1TX **EBW**

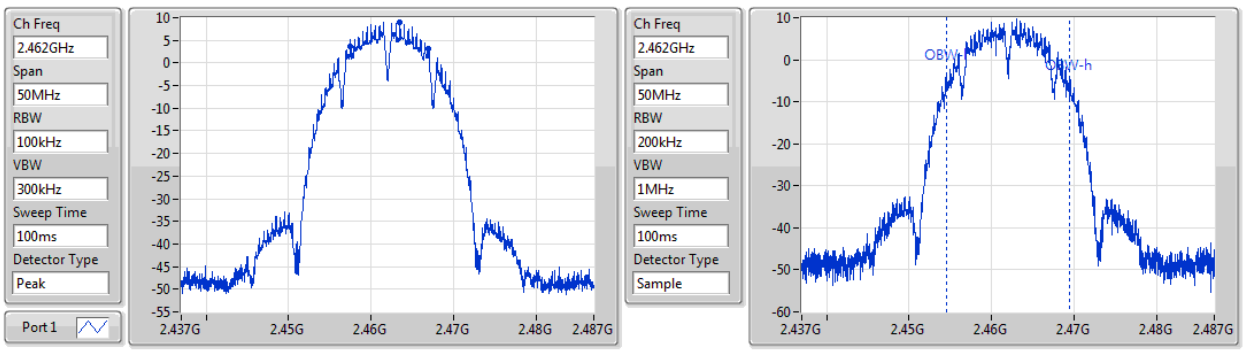
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.432G	2.442025G	14.843M	2.429579G	2.444421G	500k	1

802.11b_(1Mbps)_1TX **EBW**

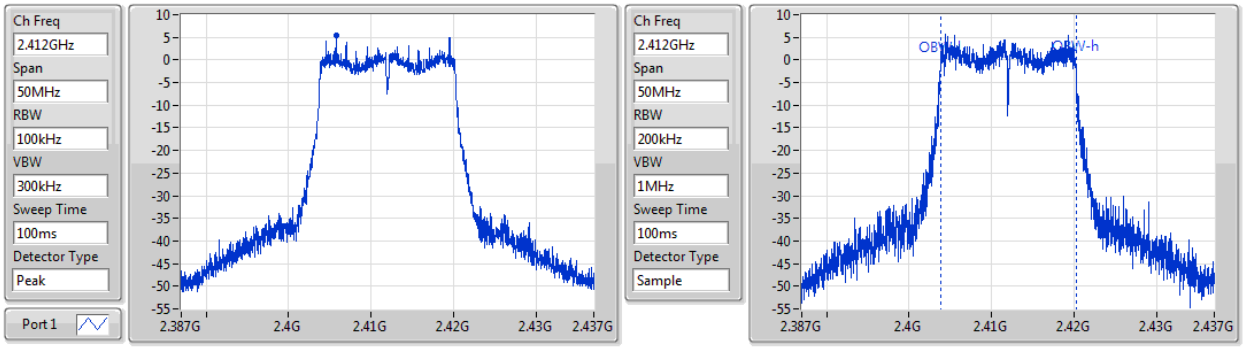
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.525M	2.457475G	2.467G	14.843M	2.454554G	2.469396G	500k	1

802.11g_(6Mbps)_1TX **EBW**

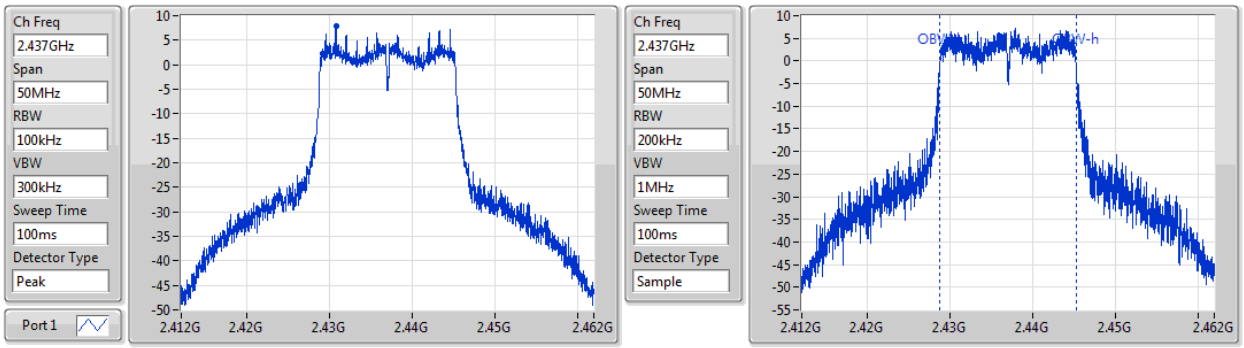
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.85M	2.404075G	2.419925G	16.417M	2.403804G	2.420221G	500k	1

802.11g_(6Mbps)_1TX **EBW**

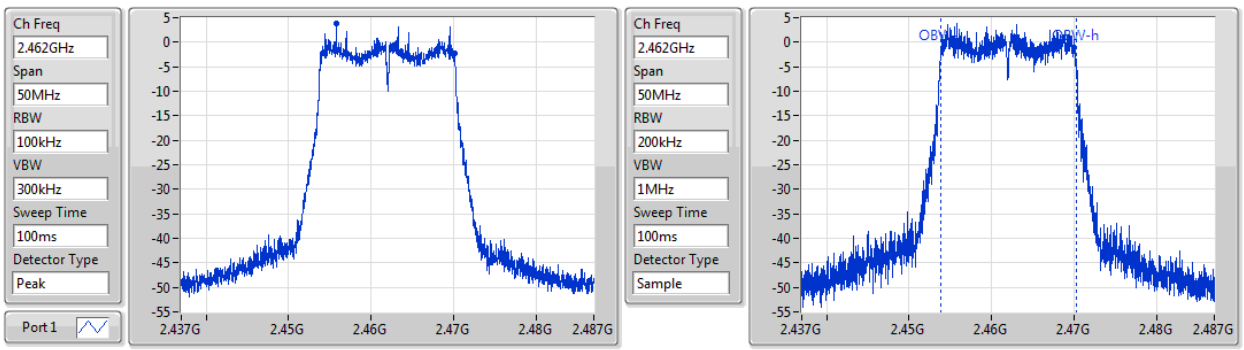
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.825M	2.4291G	2.444925G	16.442M	2.428779G	2.445221G	500k	1

802.11g_(6Mbps)_1TX **EBW**

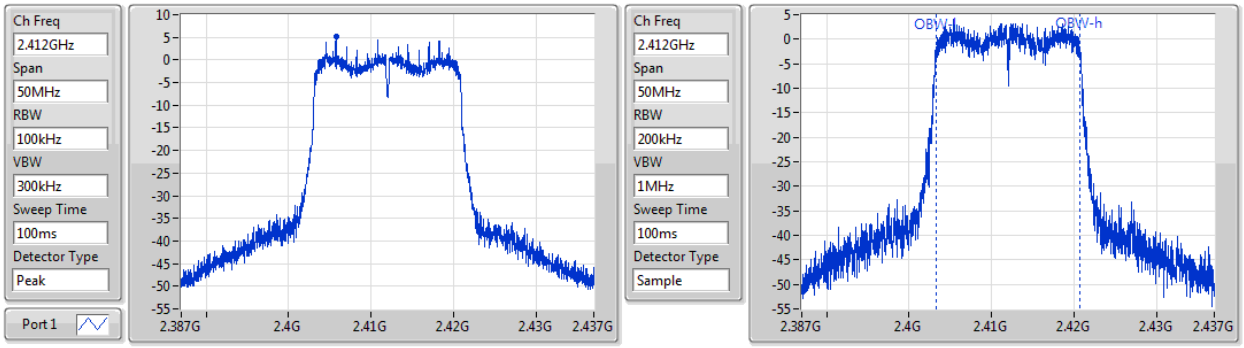
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.075M	2.454075G	2.47015G	16.417M	2.453804G	2.470221G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

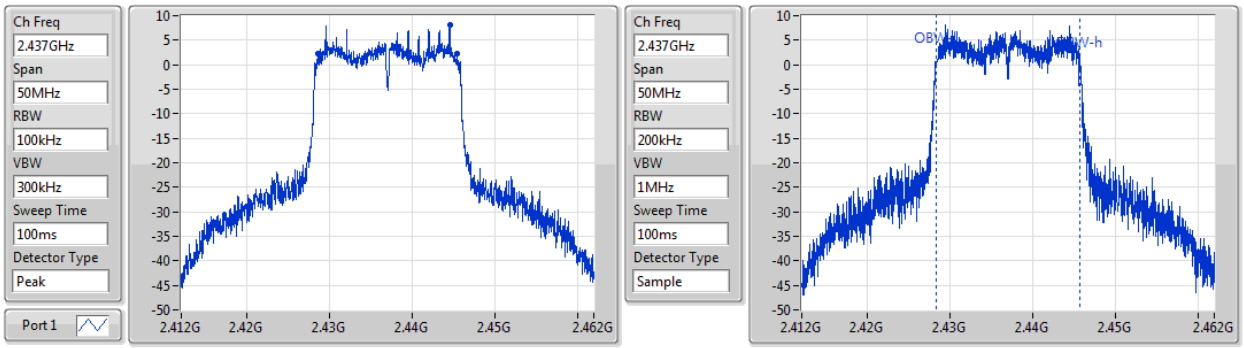
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403875G	2.420175G	17.491M	2.403254G	2.420746G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

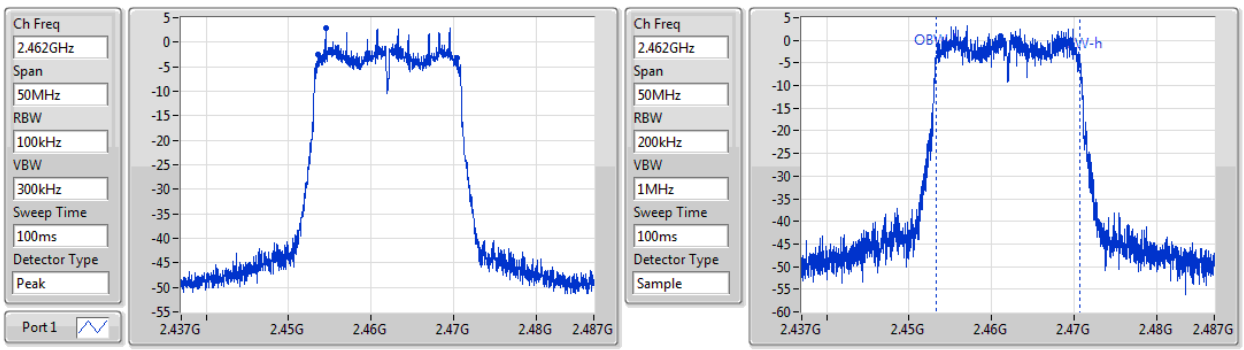
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.775M	2.428625G	2.4454G	17.516M	2.428254G	2.445771G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

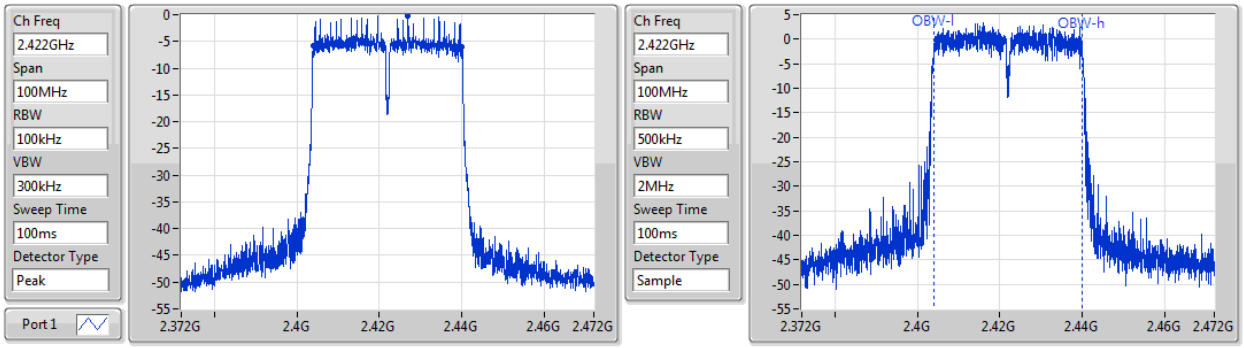
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.75M	2.453625G	2.470375G	17.466M	2.453254G	2.470721G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

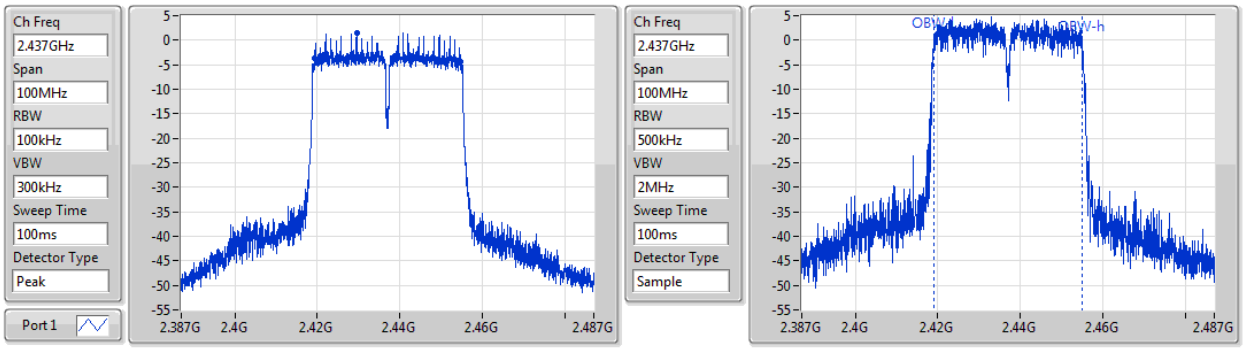
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.8M	2.4041G	2.4399G	36.032M	2.403959G	2.439991G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

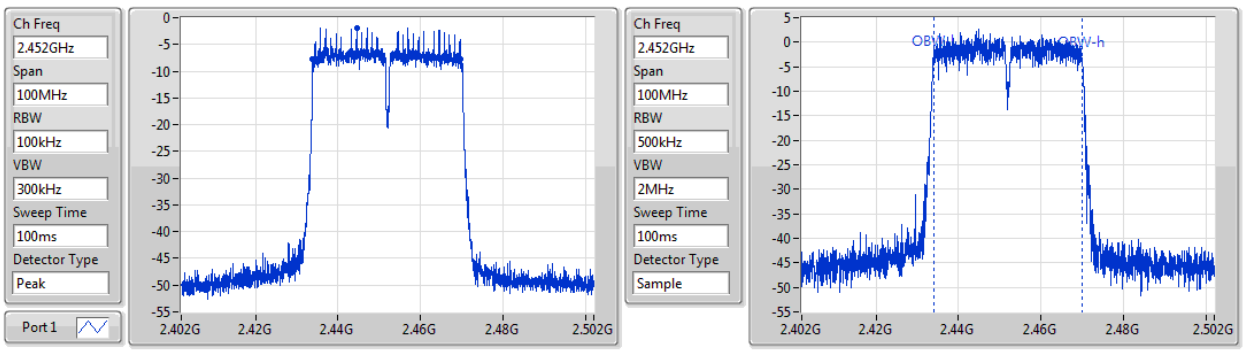
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	2.41925G	2.4548G	36.032M	2.418959G	2.454991G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.95M	2.43385G	2.4698G	36.082M	2.433909G	2.469991G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_1TX	-	-
2.4-2.4835GHz	18.42	0.06950
802.11g_(6Mbps)_1TX	-	-
2.4-2.4835GHz	18.36	0.06855
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	18.39	0.06902
802.11n HT40_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	15.44	0.03499

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	18.21	18.21	30.00
2437MHz	Pass	2.42	18.42	18.42	30.00
2462MHz	Pass	2.42	18.34	18.34	30.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	16.13	16.13	30.00
2437MHz	Pass	2.42	18.36	18.36	30.00
2462MHz	Pass	2.42	14.60	14.60	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	15.57	15.57	30.00
2437MHz	Pass	2.42	18.39	18.39	30.00
2462MHz	Pass	2.42	13.99	13.99	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.42	13.98	13.98	30.00
2437MHz	Pass	2.42	15.44	15.44	30.00
2452MHz	Pass	2.42	12.55	12.55	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_1TX	-
2.4-2.4835GHz	-4.63
802.11g_(6Mbps)_1TX	-
2.4-2.4835GHz	-5.77
802.11n HT20_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-5.69
802.11n HT40_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-13.35

RBW=3kHz.

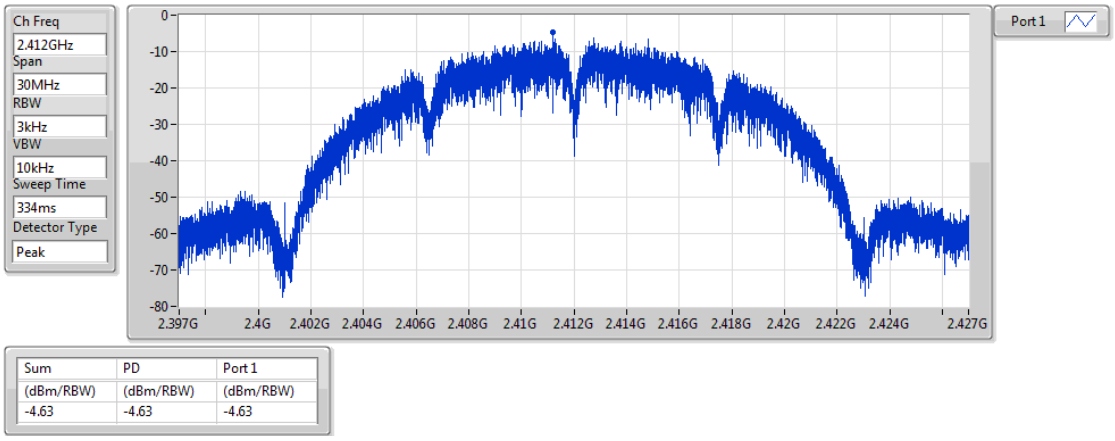
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	-4.63	-4.63	8.00
2437MHz	Pass	2.42	-5.18	-5.18	8.00
2462MHz	Pass	2.42	-5.60	-5.60	8.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	-9.36	-9.36	8.00
2437MHz	Pass	2.42	-5.77	-5.77	8.00
2462MHz	Pass	2.42	-10.13	-10.13	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.42	-10.54	-10.54	8.00
2437MHz	Pass	2.42	-5.69	-5.69	8.00
2462MHz	Pass	2.42	-10.66	-10.66	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.42	-15.77	-15.77	8.00
2437MHz	Pass	2.42	-13.35	-13.35	8.00
2452MHz	Pass	2.42	-16.28	-16.28	8.00

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

802.11b_(1Mbps)_1TX **PSD**

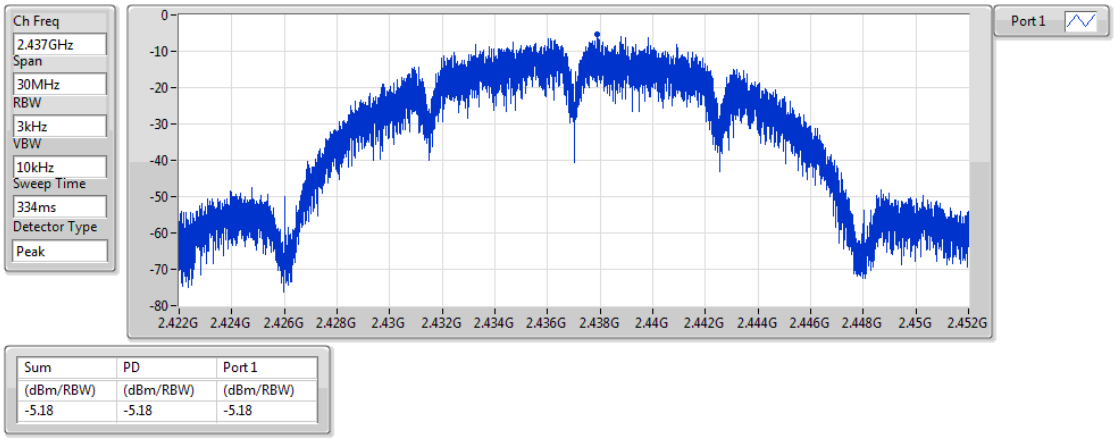
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.63	-4.63	-4.63

802.11b_(1Mbps)_1TX **PSD**

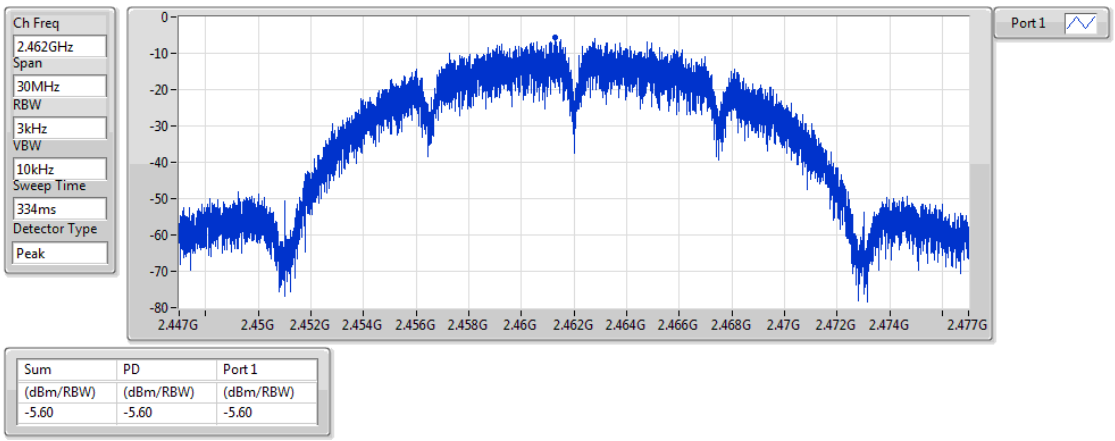
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.18	-5.18	-5.18

802.11b_(1Mbps)_1TX **PSD**

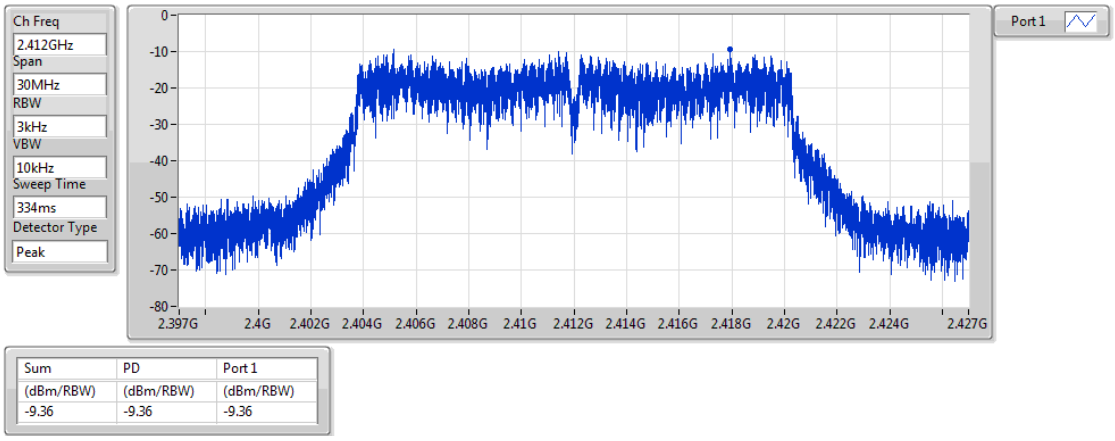
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.60	-5.60	-5.60

802.11g_(6Mbps)_1TX **PSD**

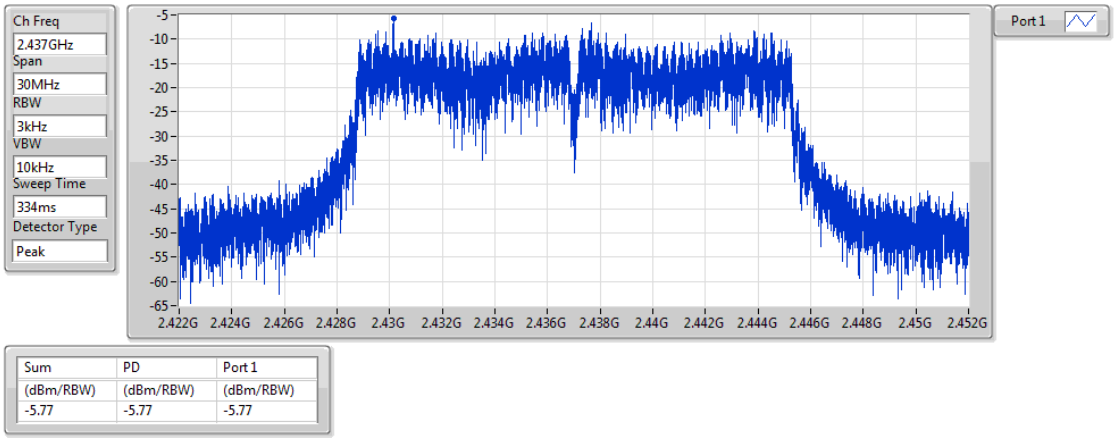
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.36	-9.36	-9.36

802.11g_(6Mbps)_1TX **PSD**

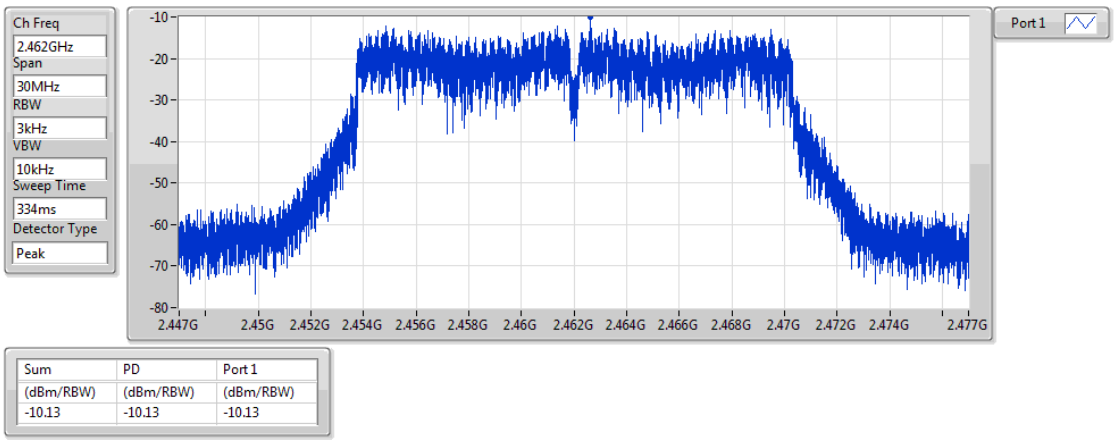
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.77	-5.77	-5.77

802.11g_(6Mbps)_1TX **PSD**

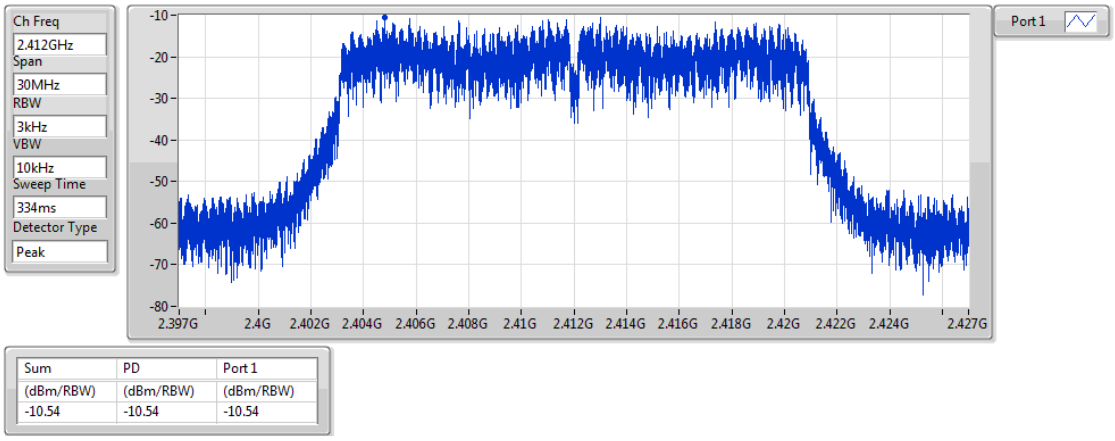
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.13	-10.13	-10.13

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

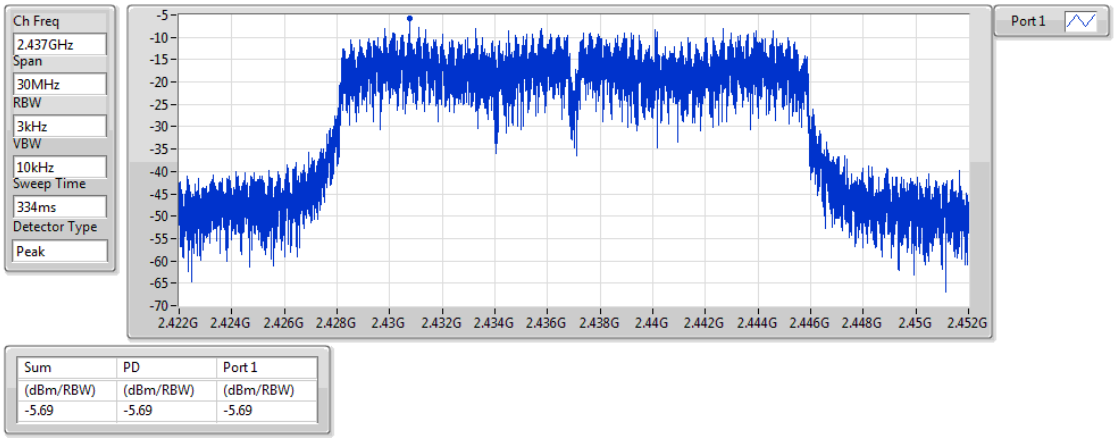
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.54	-10.54	-10.54

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

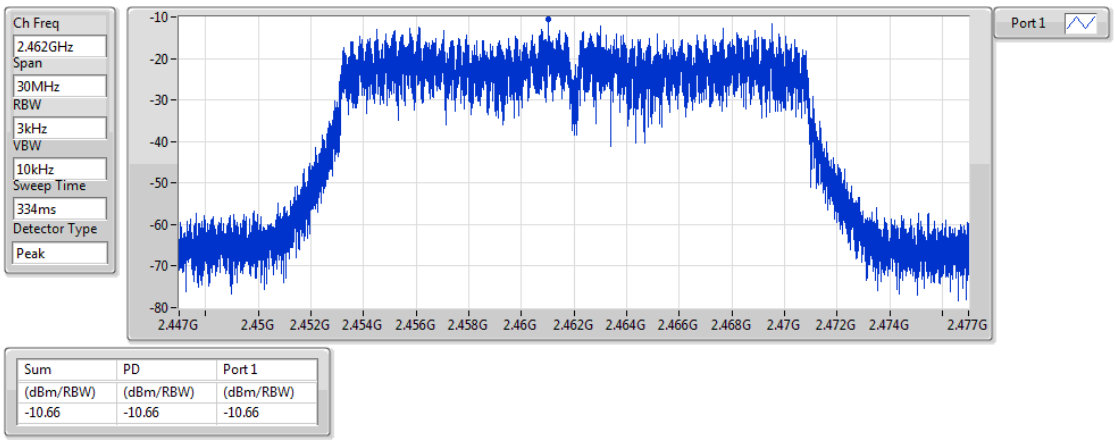
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.69	-5.69	-5.69

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

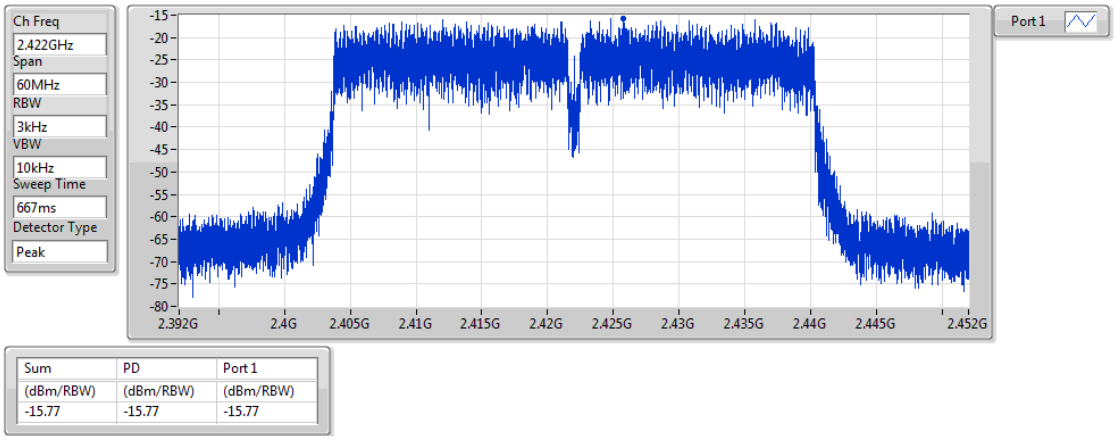
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.66	-10.66	-10.66

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

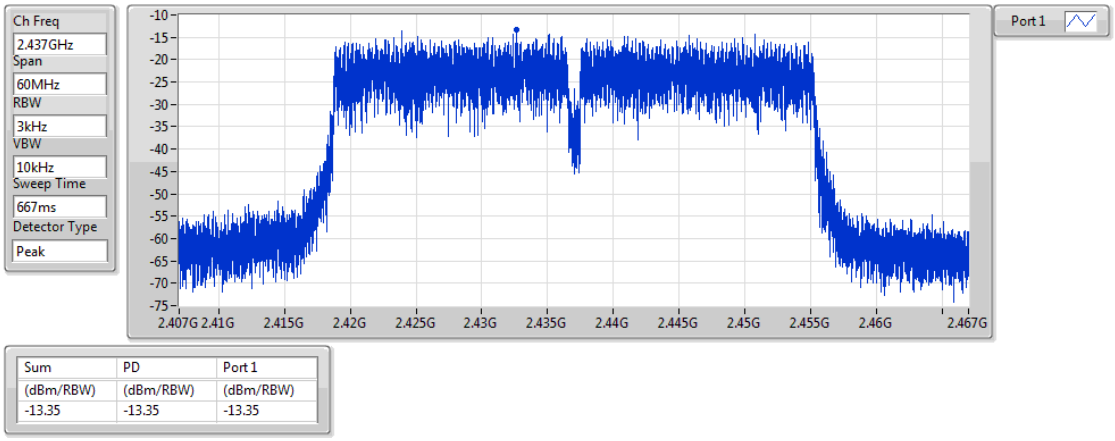
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.77	-15.77	-15.77

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

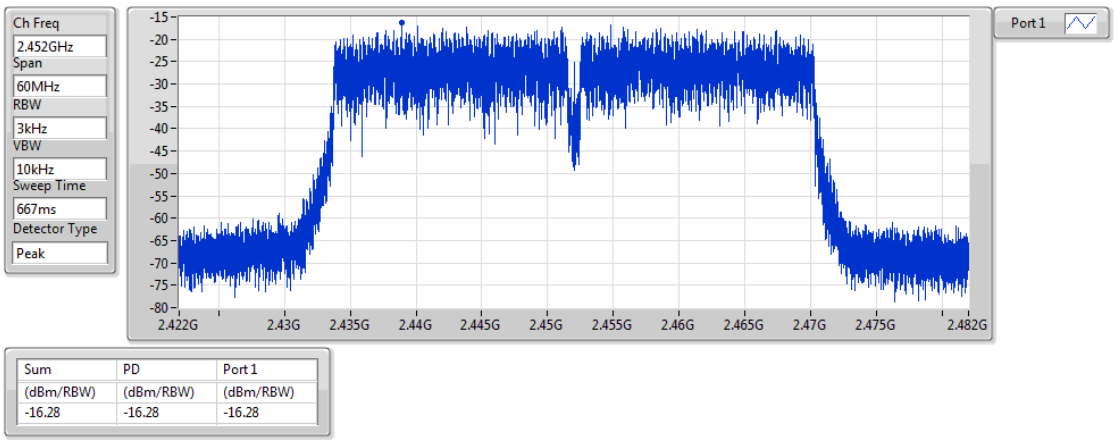
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.35	-13.35	-13.35

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

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.28	-16.28	-16.28

Summary

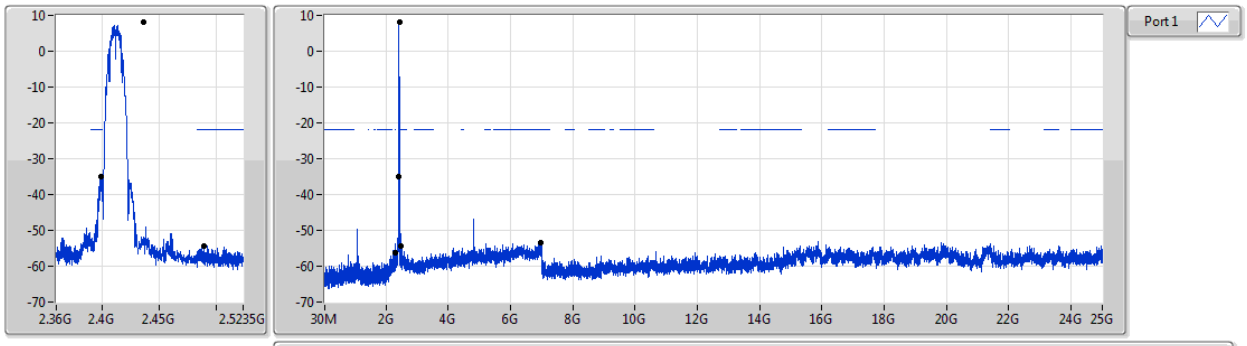
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.445758G	1.02	-28.98	2.30626G	-56.98	2.39808G	-39.24	2.48638G	-54.08	6.335637G	-52.78	1

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_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.436072G	7.97	-22.03	2.302915G	-56.11	2.39952G	-35.11	2.48934G	-54.23	6.959799G	-53.35	1
2437MHz	Pass	2.436072G	7.97	-22.03	2.300585G	-56.22	2.39008G	-52.87	2.4963G	-50.88	6.18155G	-51.82	1
2462MHz	Pass	2.436072G	7.97	-22.03	2.302915G	-55.56	2.39784G	-55.22	2.48646G	-47.69	6.049501G	-52.64	1
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	7.43	-22.57	800.065M	-54.99	2.39912G	-33.44	2.49198G	-53.16	6.251789G	-53.19	1
2437MHz	Pass	2.430728G	7.43	-22.57	2.30641G	-55.95	2.39392G	-52.90	2.49342G	-52.18	6.945751G	-52.50	1
2462MHz	Pass	2.430728G	7.43	-22.57	2.302915G	-54.55	2.39968G	-55.03	2.48358G	-52.23	16.262261G	-52.08	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	8.01	-21.99	2.132825G	-54.81	2.3988G	-36.33	2.4951G	-54.69	6.285504G	-52.80	1
2437MHz	Pass	2.435738G	8.01	-21.99	2.305245G	-55.28	2.398G	-51.78	2.49758G	-50.98	6.934513G	-53.01	1
2462MHz	Pass	2.435738G	8.01	-21.99	800.065M	-56.04	2.39256G	-55.20	2.48574G	-50.85	6.909227G	-52.93	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.445758G	1.02	-28.98	2.30626G	-56.98	2.39808G	-39.24	2.48638G	-54.08	6.335637G	-52.78	1
2437MHz	Pass	2.445758G	1.02	-28.98	2.302825G	-54.85	2.3984G	-42.05	2.48574G	-50.37	6.21504G	-53.23	1
2452MHz	Pass	2.445758G	1.02	-28.98	799.44M	-55.49	2.39024G	-54.65	2.48366G	-50.93	6.947031G	-52.93	1

802.11b_(1Mbps)_1TX **CSE NdB**

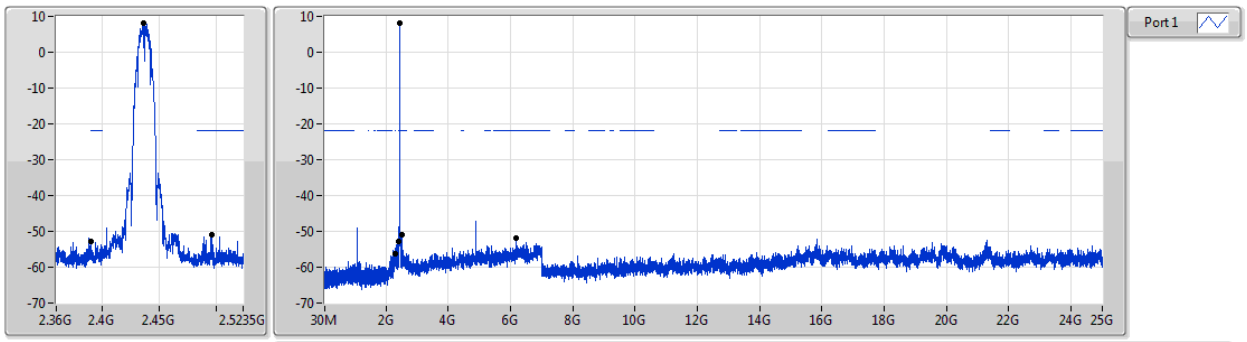
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	7.97	-22.03	2.302915G	-56.11	2.39952G	-35.11	2.48934G	-54.23	6.959799G	-53.35	1

802.11b_(1Mbps)_1TX **CSE NdB**

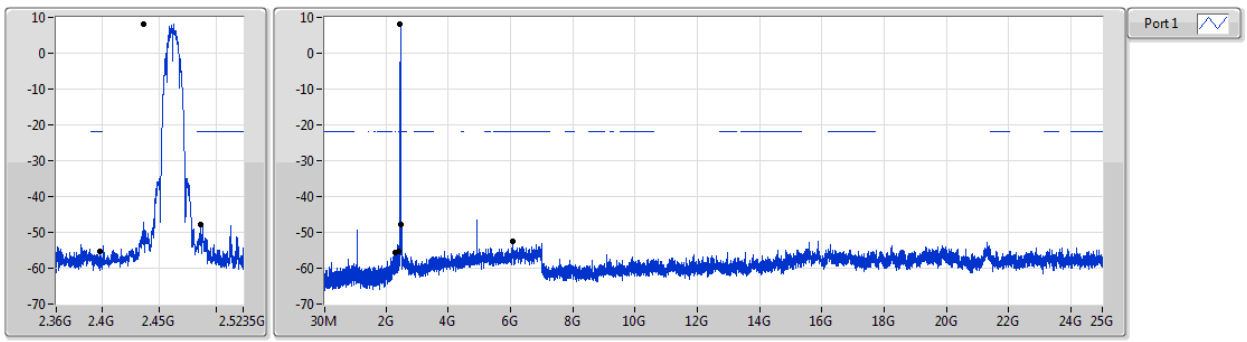
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	7.97	-22.03	2.300585G	-56.22	2.39008G	-52.87	2.4963G	-50.88	6.18155G	-51.82	1

802.11b_(1Mbps)_1TX **CSE NdB**

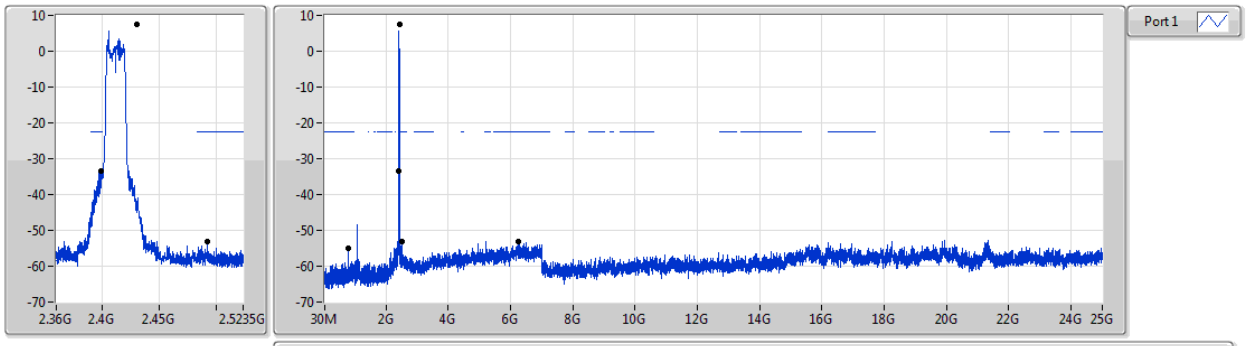
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.436072G	7.97	-22.03	2.302915G	-55.56	2.39784G	-55.22	2.48646G	-47.69	6.049501G	-52.64	1

802.11g_(6Mbps)_1TX **CSE NdB**

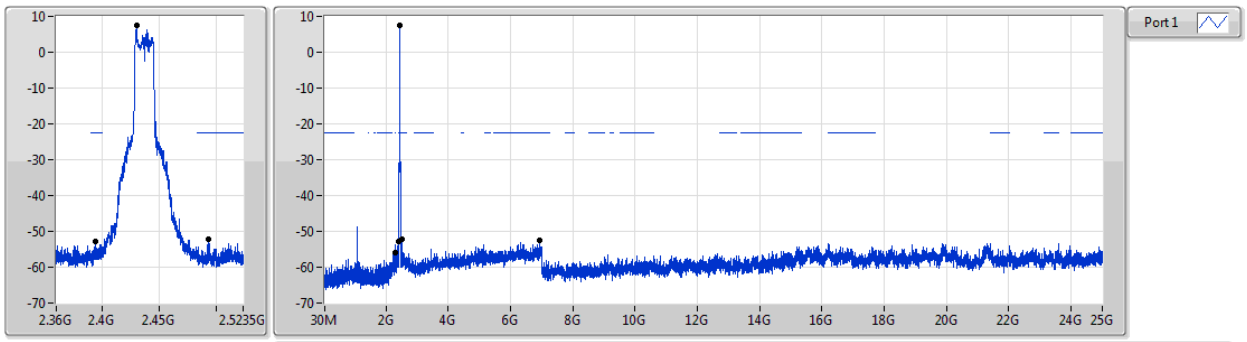
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.43	-22.57	800.065M	-54.99	2.39912G	-33.44	2.49198G	-53.16	6.251789G	-53.19	1

802.11g_(6Mbps)_1TX **CSE NdB**

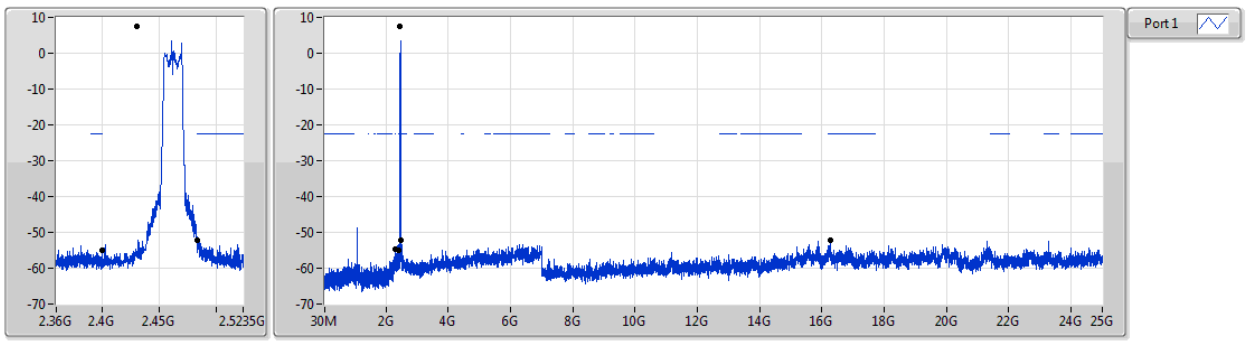
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.43	-22.57	2.30641G	-55.95	2.39392G	-52.90	2.49342G	-52.18	6.945751G	-52.50	1

802.11g_(6Mbps)_1TX **CSE NdB**

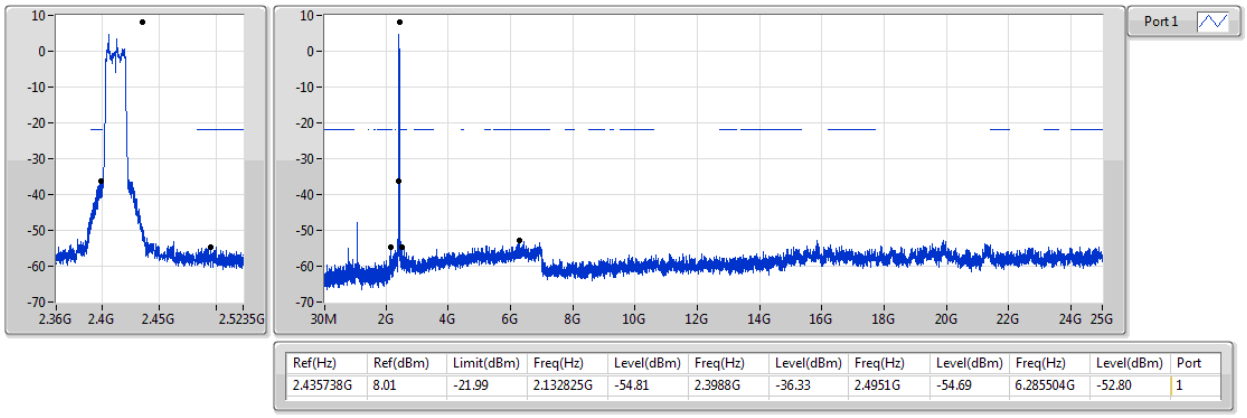
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.43	-22.57	2.302915G	-54.55	2.39968G	-55.03	2.48358G	-52.23	16.262261G	-52.08	1

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

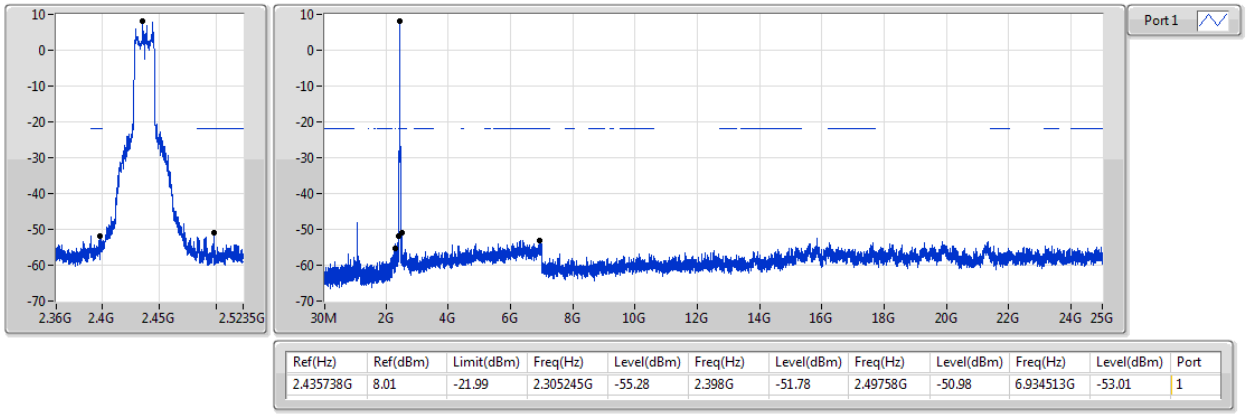
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	8.01	-21.99	2.132825G	-54.81	2.3988G	-36.33	2.4951G	-54.69	6.285504G	-52.80	1

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

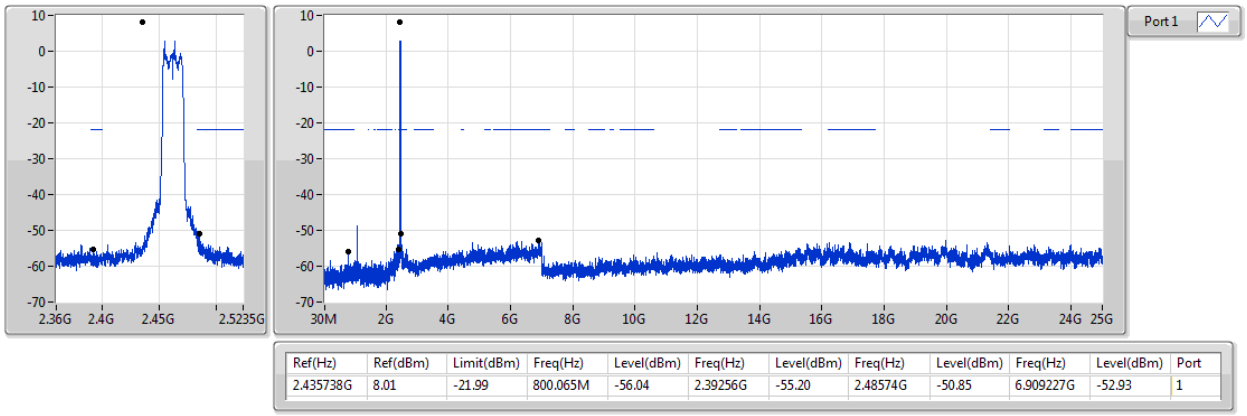
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	8.01	-21.99	2.305245G	-55.28	2.398G	-51.78	2.49758G	-50.98	6.934513G	-53.01	1

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

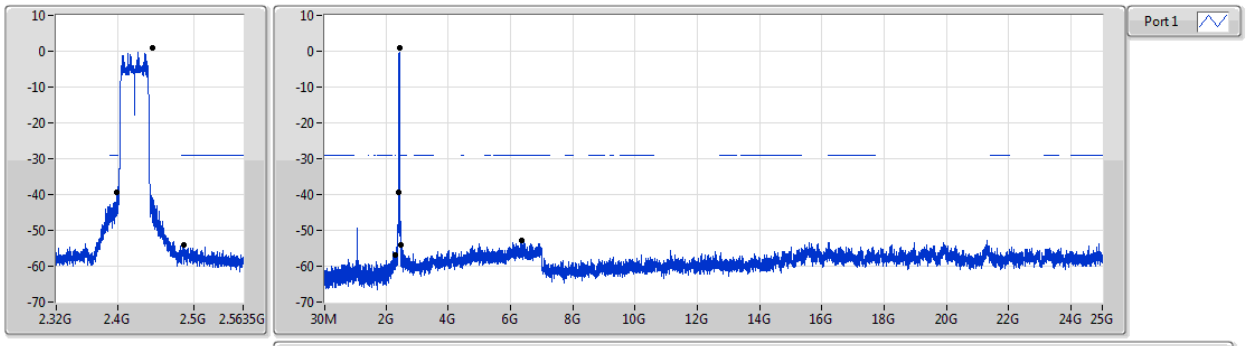
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.435738G	8.01	-21.99	800.065M	-56.04	2.39256G	-55.20	2.48574G	-50.85	6.909227G	-52.93	1

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

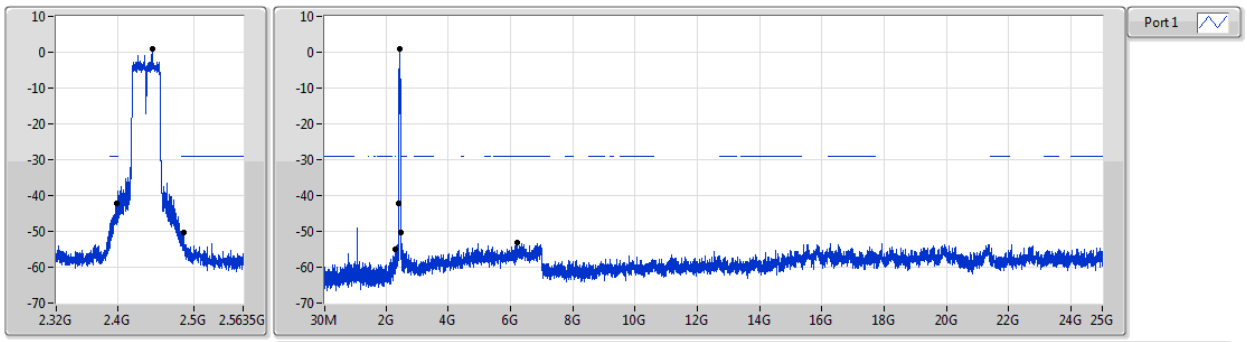
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.445758G	1.02	-28.98	2.30626G	-56.98	2.39808G	-39.24	2.48638G	-54.08	6.335637G	-52.78	1

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

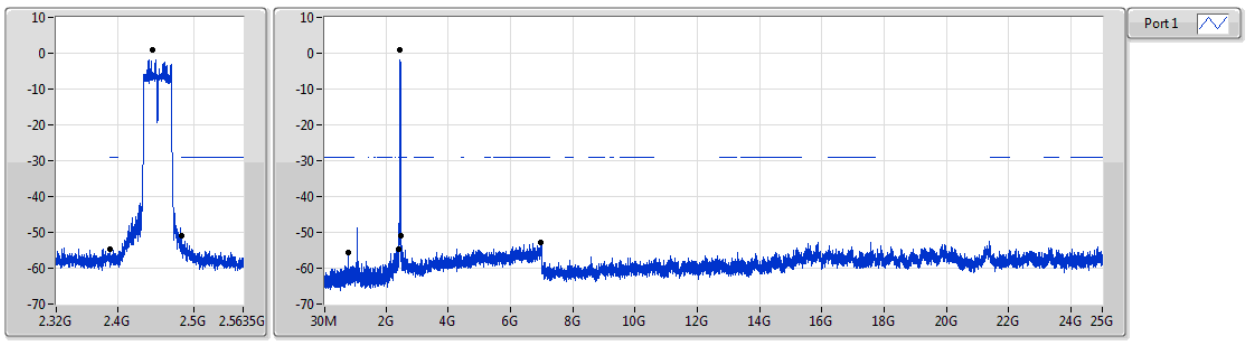
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.445758G	1.02	-28.98	2.302825G	-54.85	2.3984G	-42.05	2.48574G	-50.37	6.21504G	-53.23	1

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

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.445758G	1.02	-28.98	799.44M	-55.49	2.39024G	-54.65	2.48366G	-50.93	6.947031G	-52.93	1

Summary

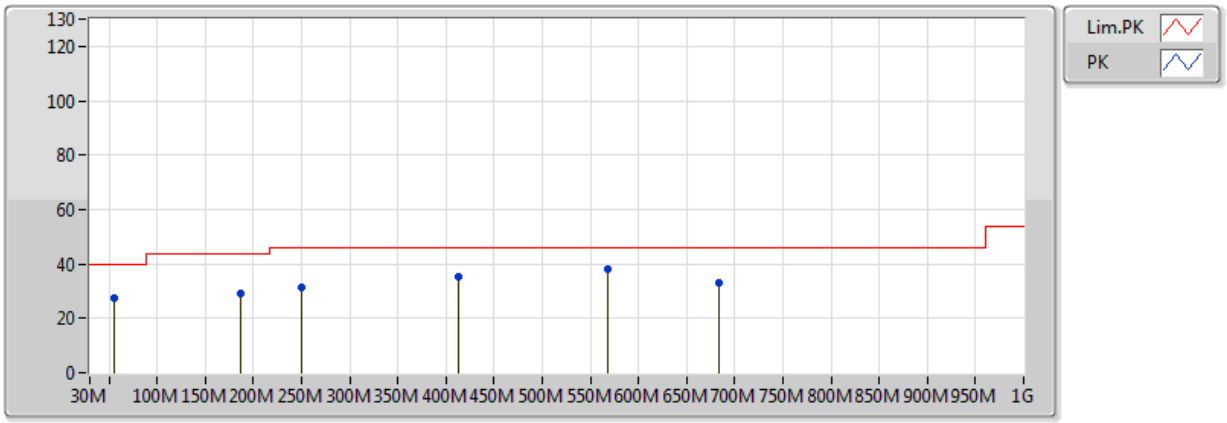
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	386.96M	40.25	46.00	-5.75	-3.97	3	H	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	136.7M	28.51	43.50	-14.99	-8.40	3	H	0	1.00	-
2437MHz	Pass	PK	218.18M	30.90	46.00	-15.10	-9.96	3	H	0	1.00	-
2437MHz	Pass	PK	249.22M	39.87	46.00	-6.13	-6.60	3	H	0	1.00	-
2437MHz	Pass	PK	386.96M	40.25	46.00	-5.75	-3.97	3	H	0	1.00	-
2437MHz	Pass	PK	431.58M	38.73	46.00	-7.27	-2.76	3	H	0	1.00	-
2437MHz	Pass	PK	567.38M	37.59	46.00	-8.41	-0.60	3	H	0	1.00	-
2437MHz	Pass	PK	55.22M	27.50	40.00	-12.50	-13.83	3	V	360	1.00	-
2437MHz	Pass	PK	187.14M	29.41	43.50	-14.09	-10.53	3	V	360	1.00	-
2437MHz	Pass	PK	249.22M	31.56	46.00	-14.44	-6.60	3	V	360	1.00	-
2437MHz	Pass	PK	412.18M	35.15	46.00	-10.85	-2.90	3	V	360	1.00	-
2437MHz	Pass	PK	567.38M	38.01	46.00	-7.99	-0.60	3	V	360	1.00	-
2437MHz	Pass	PK	683.78M	32.90	46.00	-13.10	0.21	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Adapter

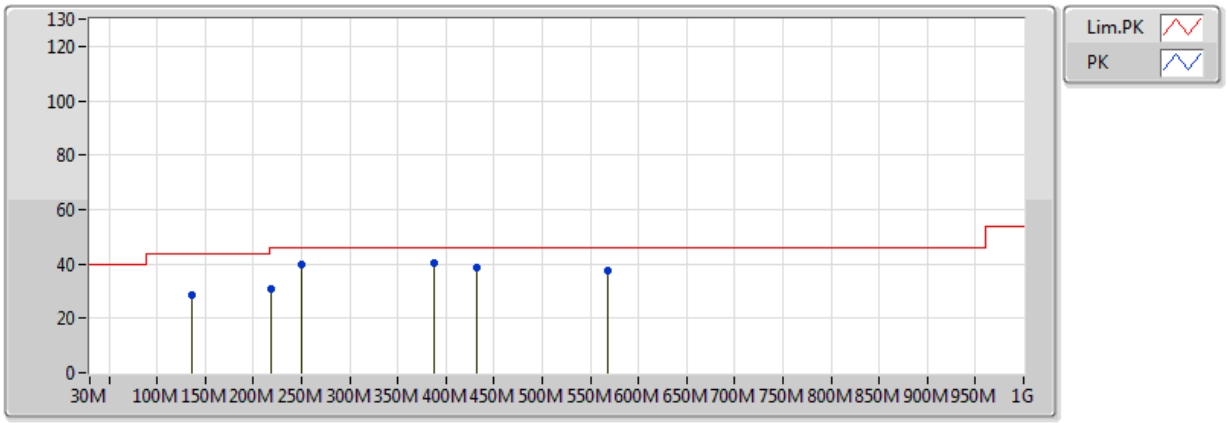


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	55.22M	27.50	40.00	-12.50	-13.83	3	V	360	1.00	-
PK	187.14M	29.41	43.50	-14.09	-10.53	3	V	360	1.00	-
PK	249.22M	31.56	46.00	-14.44	-6.60	3	V	360	1.00	-
PK	412.18M	35.15	46.00	-10.85	-2.90	3	V	360	1.00	-
PK	567.38M	38.01	46.00	-7.99	-0.60	3	V	360	1.00	-
PK	683.78M	32.90	46.00	-13.10	0.21	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Adapter



Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	136.7M	28.51	43.50	-14.99	-8.40	3	H	0	1.00	-
PK	218.18M	30.90	46.00	-15.10	-9.96	3	H	0	1.00	-
PK	249.22M	39.87	46.00	-6.13	-6.60	3	H	0	1.00	-
PK	386.96M	40.25	46.00	-5.75	-3.97	3	H	0	1.00	-
PK	431.58M	38.73	46.00	-7.27	-2.76	3	H	0	1.00	-
PK	567.38M	37.59	46.00	-8.41	-0.60	3	H	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.483502G	53.88	54.00	-0.12	31.27	3	V	352	1.00	-

Result

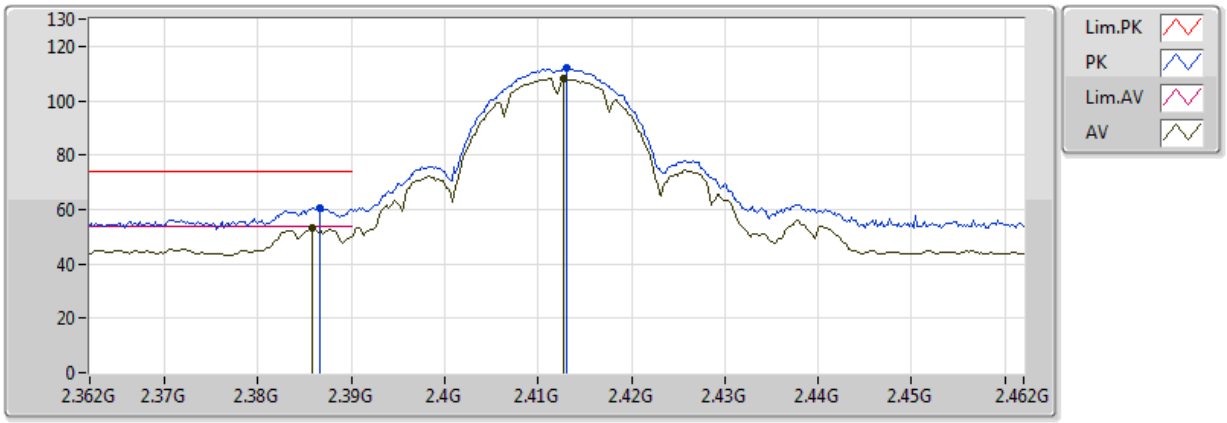
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3858G	53.11	54.00	-0.89	30.92	3	V	14	1.63	-
2412MHz	Pass	AV	2.4128G	107.97	Inf	-Inf	31.02	3	V	14	1.63	-
2412MHz	Pass	PK	2.3866G	60.70	74.00	-13.30	30.92	3	V	14	1.63	-
2412MHz	Pass	PK	2.413G	112.00	Inf	-Inf	31.02	3	V	14	1.63	-
2412MHz	Pass	AV	4.824G	48.27	54.00	-5.73	2.16	3	H	189	1.40	-
2412MHz	Pass	PK	4.824G	51.37	74.00	-22.63	2.16	3	H	189	1.40	-
2412MHz	Pass	AV	4.824G	43.21	54.00	-10.79	2.16	3	V	261	1.24	-
2412MHz	Pass	PK	4.824G	47.85	74.00	-26.15	2.16	3	V	261	1.24	-
2437MHz	Pass	AV	2.389G	44.84	54.00	-9.16	30.93	3	V	194	1.19	-
2437MHz	Pass	AV	2.4362G	108.27	Inf	-Inf	31.10	3	V	194	1.19	-
2437MHz	Pass	AV	2.495G	44.56	54.00	-9.44	31.31	3	V	194	1.19	-
2437MHz	Pass	PK	2.3814G	56.42	74.00	-17.58	30.90	3	V	194	1.19	-
2437MHz	Pass	PK	2.4378G	112.12	Inf	-Inf	31.11	3	V	194	1.19	-
2437MHz	Pass	PK	2.4902G	58.16	74.00	-15.84	31.29	3	V	194	1.19	-
2437MHz	Pass	AV	4.874G	52.91	54.00	-1.09	2.32	3	H	186	1.50	-
2437MHz	Pass	PK	4.874G	55.44	74.00	-18.56	2.32	3	H	186	1.50	-
2437MHz	Pass	AV	4.874G	48.61	54.00	-5.39	2.32	3	V	224	1.50	-
2437MHz	Pass	PK	4.874G	51.66	74.00	-22.34	2.32	3	V	224	1.50	-
2462MHz	Pass	AV	2.4612G	106.06	Inf	-Inf	31.19	3	V	200	1.33	-
2462MHz	Pass	AV	2.4878G	53.69	54.00	-0.31	31.29	3	V	200	1.33	-
2462MHz	Pass	PK	2.463G	110.02	Inf	-Inf	31.20	3	V	200	1.33	-
2462MHz	Pass	PK	2.4902G	60.18	74.00	-13.82	31.29	3	V	200	1.33	-
2462MHz	Pass	AV	4.924G	53.67	54.00	-0.33	2.48	3	H	216	2.39	-
2462MHz	Pass	PK	4.924G	55.73	74.00	-18.27	2.48	3	H	216	2.39	-
2462MHz	Pass	AV	4.924G	46.41	54.00	-7.59	2.48	3	V	239	1.19	-
2462MHz	Pass	PK	4.924G	49.87	74.00	-24.13	2.48	3	V	239	1.19	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.22	54.00	-0.78	30.93	3	V	352	1.58	-
2412MHz	Pass	AV	2.4052G	100.56	Inf	-Inf	30.99	3	V	352	1.58	-
2412MHz	Pass	PK	2.39G	70.41	74.00	-3.59	30.93	3	V	352	1.58	-
2412MHz	Pass	PK	2.4056G	110.03	Inf	-Inf	30.99	3	V	352	1.58	-
2412MHz	Pass	AV	4.824G	31.16	54.00	-22.84	2.16	3	H	190	1.23	-
2412MHz	Pass	PK	4.824G	44.67	74.00	-29.33	2.16	3	H	190	1.23	-
2412MHz	Pass	AV	4.824G	29.76	54.00	-24.24	2.16	3	V	257	1.87	-
2412MHz	Pass	PK	4.824G	43.65	74.00	-30.35	2.16	3	V	257	1.87	-
2437MHz	Pass	AV	2.389998G	50.99	54.00	-3.01	30.93	3	V	200	1.17	-
2437MHz	Pass	AV	2.4302G	105.98	Inf	-Inf	31.08	3	V	200	1.17	-
2437MHz	Pass	AV	2.483502G	53.67	54.00	-0.33	31.27	3	V	200	1.17	-
2437MHz	Pass	PK	2.389G	70.26	74.00	-3.74	30.93	3	V	200	1.17	-
2437MHz	Pass	PK	2.4358G	115.86	Inf	-Inf	31.10	3	V	200	1.17	-
2437MHz	Pass	PK	2.4854G	70.34	74.00	-3.66	31.28	3	V	200	1.17	-
2437MHz	Pass	AV	4.874G	43.72	54.00	-10.28	2.32	3	H	186	1.50	-
2437MHz	Pass	PK	4.874G	57.62	74.00	-16.38	2.32	3	H	186	1.50	-
2437MHz	Pass	AV	4.874G	40.72	54.00	-13.28	2.32	3	V	227	3.38	-
2437MHz	Pass	PK	4.874G	54.62	74.00	-19.38	2.32	3	V	227	3.38	-
2462MHz	Pass	AV	2.4614G	98.25	Inf	-Inf	31.19	3	V	352	1.00	-
2462MHz	Pass	AV	2.483502G	53.88	54.00	-0.12	31.27	3	V	352	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.463G	107.69	Inf	-Inf	31.20	3	V	352	1.00	-
2462MHz	Pass	PK	2.4836G	71.17	74.00	-2.83	31.27	3	V	352	1.00	-
2462MHz	Pass	AV	4.924G	33.23	54.00	-20.77	2.48	3	H	215	2.40	-
2462MHz	Pass	PK	4.924G	47.60	74.00	-26.40	2.48	3	H	215	2.40	-
2462MHz	Pass	AV	4.924G	30.86	54.00	-23.14	2.48	3	V	225	3.47	-
2462MHz	Pass	PK	4.924G	44.49	74.00	-29.51	2.48	3	V	225	3.47	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.18	54.00	-0.82	30.93	3	V	353	1.58	-
2412MHz	Pass	AV	2.4052G	99.79	Inf	-Inf	30.99	3	V	353	1.58	-
2412MHz	Pass	PK	2.39G	71.19	74.00	-2.81	30.93	3	V	353	1.58	-
2412MHz	Pass	PK	2.4052G	110.04	Inf	-Inf	30.99	3	V	353	1.58	-
2412MHz	Pass	AV	4.824G	30.04	54.00	-23.96	2.16	3	H	247	1.48	-
2412MHz	Pass	PK	4.824G	43.81	74.00	-30.19	2.16	3	H	247	1.48	-
2412MHz	Pass	AV	4.824G	30.47	54.00	-23.53	2.16	3	V	212	1.72	-
2412MHz	Pass	PK	4.824G	43.73	74.00	-30.27	2.16	3	V	212	1.72	-
2437MHz	Pass	AV	2.389998G	50.39	54.00	-3.61	30.93	3	V	201	1.17	-
2437MHz	Pass	AV	2.4302G	105.37	Inf	-Inf	31.08	3	V	201	1.17	-
2437MHz	Pass	AV	2.4838G	53.09	54.00	-0.91	31.27	3	V	201	1.17	-
2437MHz	Pass	PK	2.3894G	64.71	74.00	-9.29	30.93	3	V	201	1.17	-
2437MHz	Pass	PK	2.4302G	115.88	Inf	-Inf	31.08	3	V	201	1.17	-
2437MHz	Pass	PK	2.4842G	68.73	74.00	-5.27	31.27	3	V	201	1.17	-
2437MHz	Pass	AV	4.874G	43.13	54.00	-10.87	2.32	3	H	188	1.48	-
2437MHz	Pass	PK	4.874G	57.39	74.00	-16.61	2.32	3	H	188	1.48	-
2437MHz	Pass	AV	4.874G	38.66	54.00	-15.34	2.32	3	V	260	1.37	-
2437MHz	Pass	PK	4.874G	52.69	74.00	-21.31	2.32	3	V	260	1.37	-
2462MHz	Pass	AV	2.4626G	97.68	Inf	-Inf	31.20	3	V	355	1.01	-
2462MHz	Pass	AV	2.483502G	53.57	54.00	-0.43	31.27	3	V	355	1.01	-
2462MHz	Pass	PK	2.4688G	107.11	Inf	-Inf	31.22	3	V	355	1.01	-
2462MHz	Pass	PK	2.4836G	70.34	74.00	-3.66	31.27	3	V	355	1.01	-
2462MHz	Pass	AV	4.924G	31.02	54.00	-22.98	2.48	3	H	36	1.50	-
2462MHz	Pass	PK	4.924G	44.59	74.00	-29.41	2.48	3	H	36	1.50	-
2462MHz	Pass	AV	4.924G	30.84	54.00	-23.16	2.48	3	V	282	1.50	-
2462MHz	Pass	PK	4.924G	45.26	74.00	-28.74	2.48	3	V	282	1.50	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.79	54.00	-1.21	30.93	3	V	352	1.01	-
2422MHz	Pass	AV	2.4196G	94.90	Inf	-Inf	31.04	3	V	352	1.01	-
2422MHz	Pass	AV	2.4868G	45.00	54.00	-9.00	31.28	3	V	352	1.01	-
2422MHz	Pass	PK	2.3896G	68.89	74.00	-5.11	30.93	3	V	352	1.01	-
2422MHz	Pass	PK	2.4072G	104.07	Inf	-Inf	31.00	3	V	352	1.01	-
2422MHz	Pass	PK	2.484G	56.02	74.00	-17.98	31.27	3	V	352	1.01	-
2422MHz	Pass	AV	4.844G	30.20	54.00	-23.80	2.23	3	H	4	1.51	-
2422MHz	Pass	PK	4.844G	44.81	74.00	-29.19	2.23	3	H	4	1.51	-
2422MHz	Pass	AV	4.844G	30.35	54.00	-23.65	2.23	3	V	274	1.50	-
2422MHz	Pass	PK	4.844G	44.19	74.00	-29.81	2.23	3	V	274	1.50	-
2437MHz	Pass	AV	2.389998G	51.29	54.00	-2.71	30.93	3	V	201	1.16	-
2437MHz	Pass	AV	2.4342G	96.60	Inf	-Inf	31.09	3	V	201	1.16	-
2437MHz	Pass	AV	2.483502G	53.61	54.00	-0.39	31.27	3	V	201	1.16	-
2437MHz	Pass	PK	2.389998G	64.24	74.00	-9.76	30.93	3	V	201	1.16	-
2437MHz	Pass	PK	2.4222G	105.85	Inf	-Inf	31.05	3	V	201	1.16	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.4842G	67.23	74.00	-6.77	31.27	3	V	201	1.16	-
2437MHz	Pass	AV	4.874G	30.46	54.00	-23.54	2.32	3	H	119	1.39	-
2437MHz	Pass	PK	4.874G	45.08	74.00	-28.92	2.32	3	H	119	1.39	-
2437MHz	Pass	AV	4.874G	30.63	54.00	-23.37	2.32	3	V	289	1.50	-
2437MHz	Pass	PK	4.874G	43.54	74.00	-30.46	2.32	3	V	289	1.50	-
2452MHz	Pass	AV	2.3888G	44.01	54.00	-9.99	30.93	3	V	351	1.50	-
2452MHz	Pass	AV	2.4492G	92.81	Inf	-Inf	31.15	3	V	351	1.50	-
2452MHz	Pass	AV	2.4836G	53.03	54.00	-0.97	31.27	3	V	351	1.50	-
2452MHz	Pass	PK	2.3864G	54.85	74.00	-19.15	30.92	3	V	351	1.50	-
2452MHz	Pass	PK	2.4372G	102.50	Inf	-Inf	31.10	3	V	351	1.50	-
2452MHz	Pass	PK	2.484G	68.40	74.00	-5.60	31.27	3	V	351	1.50	-
2452MHz	Pass	AV	4.904G	30.88	54.00	-23.12	2.41	3	H	190	1.69	-
2452MHz	Pass	PK	4.904G	44.36	74.00	-29.64	2.41	3	H	190	1.69	-
2452MHz	Pass	AV	4.904G	30.97	54.00	-23.03	2.41	3	V	152	1.59	-
2452MHz	Pass	PK	4.904G	43.61	74.00	-30.39	2.41	3	V	152	1.59	-

802.11b_(1Mbps)_1TX

2412MHz_TX

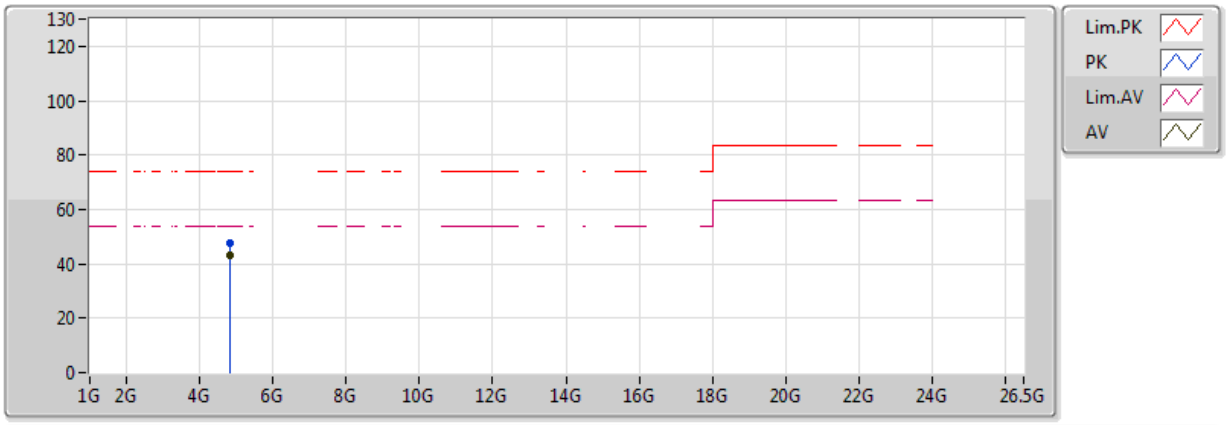


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4128G	107.97	Inf	-Inf	31.02	3	V	14	1.63	-
AV	2.3858G	53.11	54.00	-0.89	30.92	3	V	14	1.63	-
PK	2.413G	112.00	Inf	-Inf	31.02	3	V	14	1.63	-
PK	2.3866G	60.70	74.00	-13.30	30.92	3	V	14	1.63	-

802.11b_(1Mbps)_1TX

2412MHz_TX



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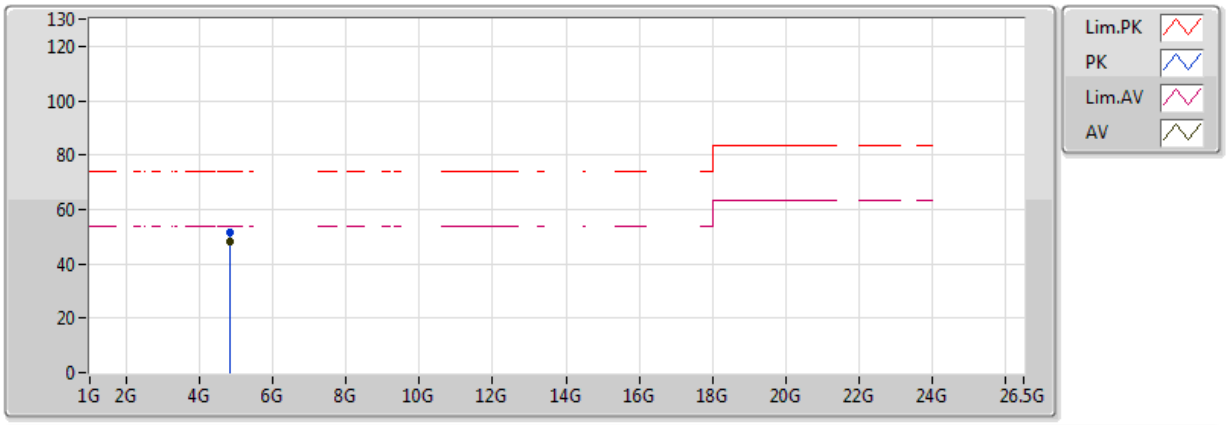
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	43.21	54.00	-10.79	2.16	3	V	261	1.24	-
PK	4.824G	47.85	74.00	-26.15	2.16	3	V	261	1.24	-

802.11b_(1Mbps)_1TX

2412MHz_TX

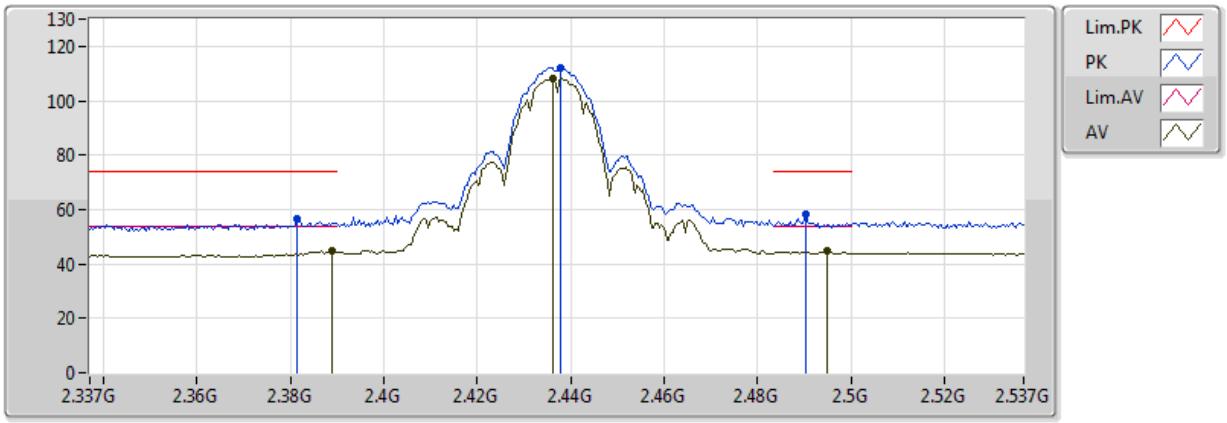


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	48.27	54.00	-5.73	2.16	3	H	189	1.40	-
PK	4.824G	51.37	74.00	-22.63	2.16	3	H	189	1.40	-

802.11b_(1Mbps)_1TX

2437MHz_TX

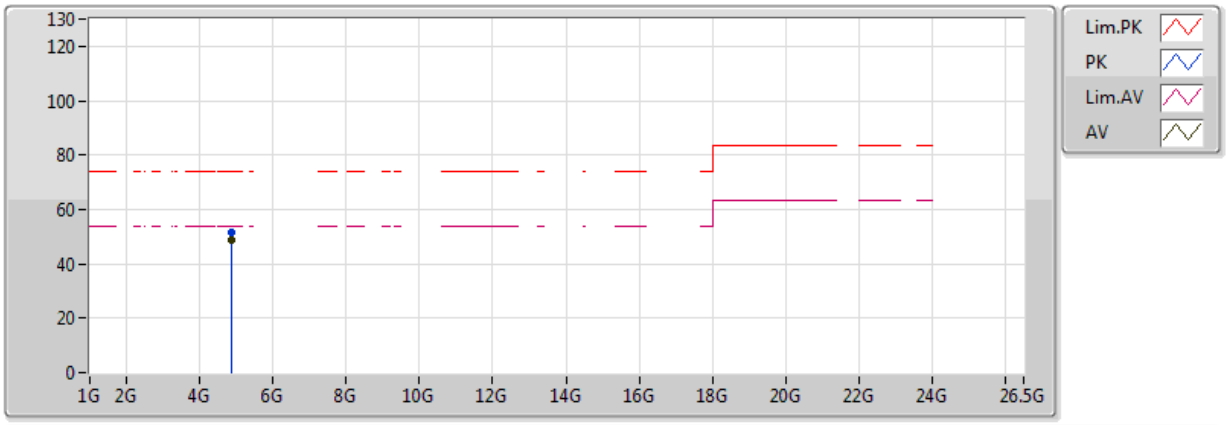


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4362G	108.27	Inf	-Inf	31.10	3	V	194	1.19	-
AV	2.389G	44.84	54.00	-9.16	30.93	3	V	194	1.19	-
AV	2.495G	44.56	54.00	-9.44	31.31	3	V	194	1.19	-
PK	2.4378G	112.12	Inf	-Inf	31.11	3	V	194	1.19	-
PK	2.3814G	56.42	74.00	-17.58	30.90	3	V	194	1.19	-
PK	2.4902G	58.16	74.00	-15.84	31.29	3	V	194	1.19	-

802.11b_(1Mbps)_1TX

2437MHz_TX



Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	48.61	54.00	-5.39	2.32	3	V	224	1.50	-
PK	4.874G	51.66	74.00	-22.34	2.32	3	V	224	1.50	-

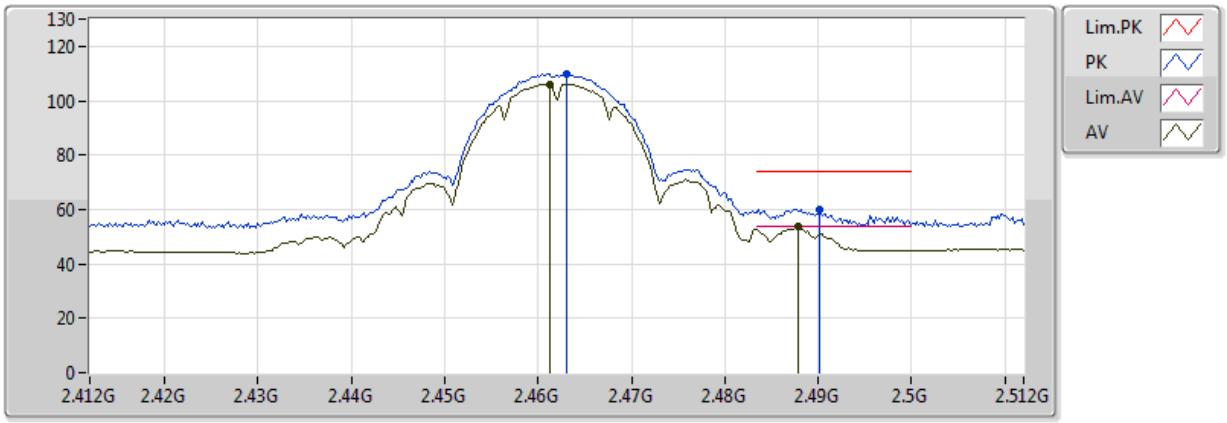
802.11b_(1Mbps)_1TX

2437MHz_TX

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	52.91	54.00	-1.09	2.32	3	H	186	1.50	-
PK	4.874G	55.44	74.00	-18.56	2.32	3	H	186	1.50	-

802.11b_(1Mbps)_1TX

2462MHz_TX

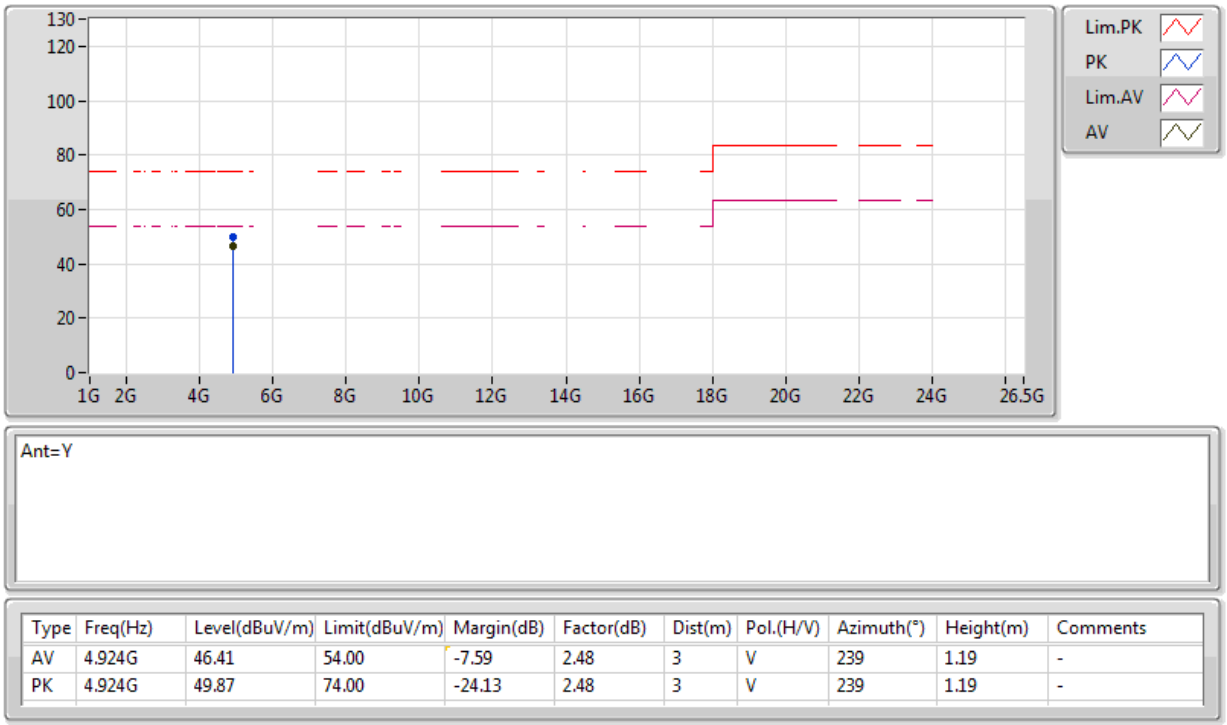


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	106.06	Inf	-Inf	31.19	3	V	200	1.33	-
AV	2.4878G	53.69	54.00	-0.31	31.29	3	V	200	1.33	-
PK	2.463G	110.02	Inf	-Inf	31.20	3	V	200	1.33	-
PK	2.4902G	60.18	74.00	-13.82	31.29	3	V	200	1.33	-

802.11b_(1Mbps)_1TX

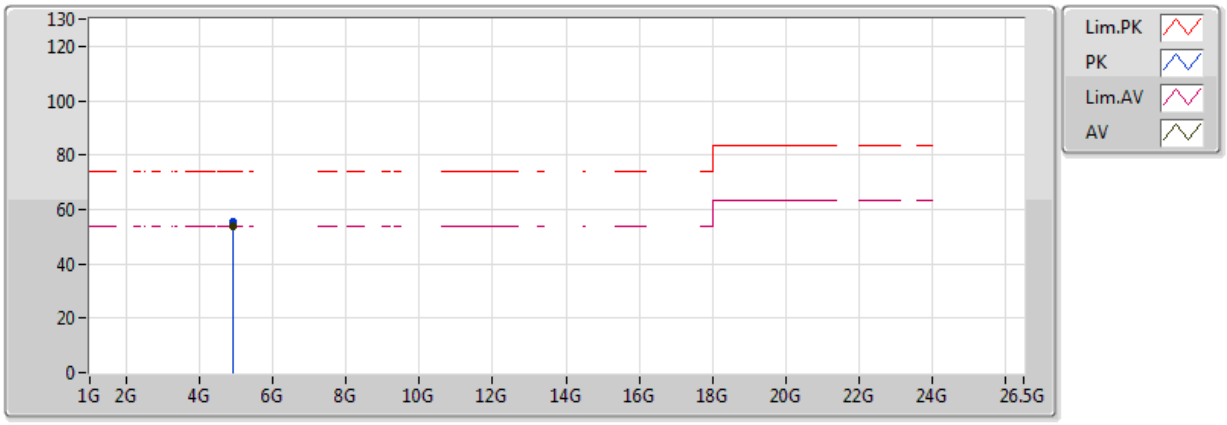
2462MHz_TX



Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	46.41	54.00	-7.59	2.48	3	V	239	1.19	-
PK	4.924G	49.87	74.00	-24.13	2.48	3	V	239	1.19	-

802.11b_(1Mbps)_1TX

2462MHz_TX

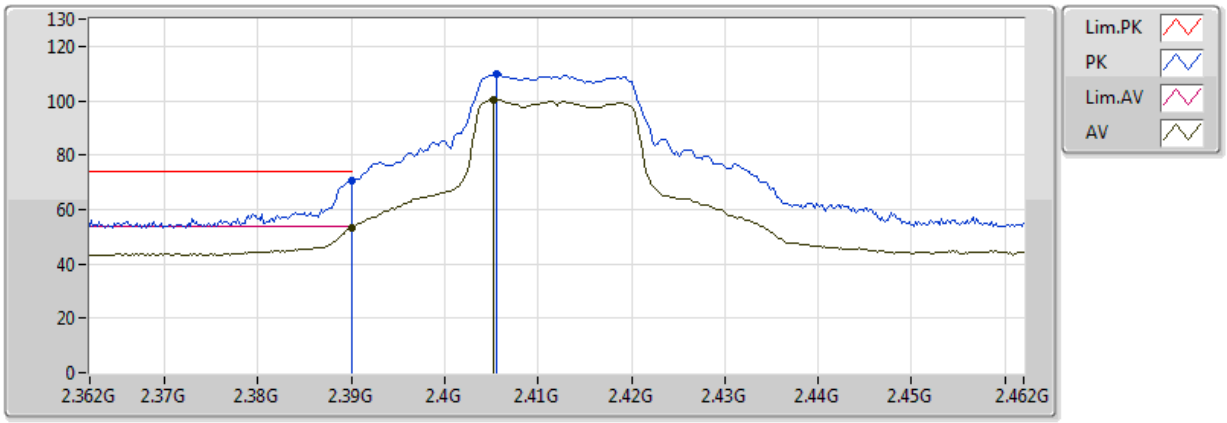


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	53.67	54.00	-0.33	2.48	3	H	216	2.39	-
PK	4.924G	55.73	74.00	-18.27	2.48	3	H	216	2.39	-

802.11g_(6Mbps)_1TX

2412MHz_TX

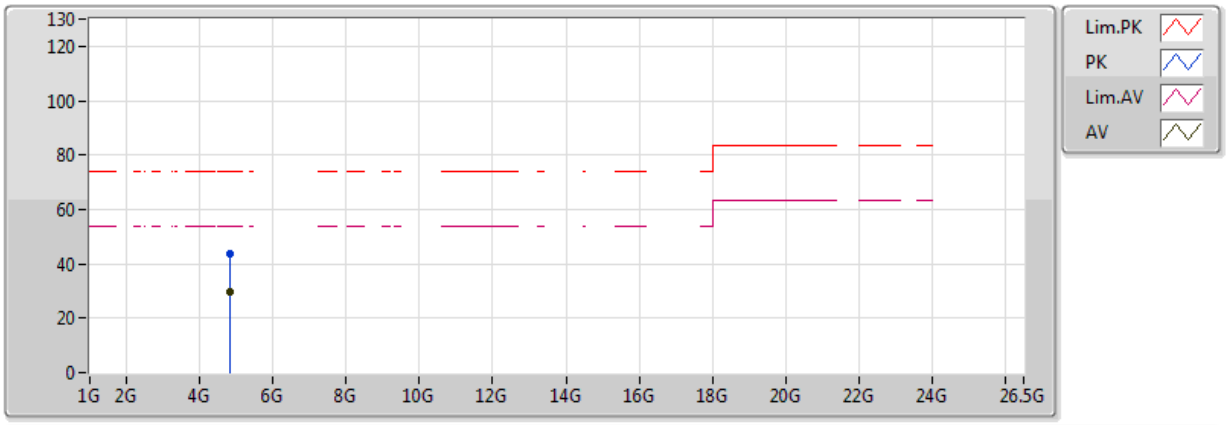


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4052G	100.56	Inf	-Inf	30.99	3	V	352	1.58	-
AV	2.39G	53.22	54.00	-0.78	30.93	3	V	352	1.58	-
PK	2.4056G	110.03	Inf	-Inf	30.99	3	V	352	1.58	-
PK	2.39G	70.41	74.00	-3.59	30.93	3	V	352	1.58	-

802.11g_(6Mbps)_1TX

2412MHz_TX

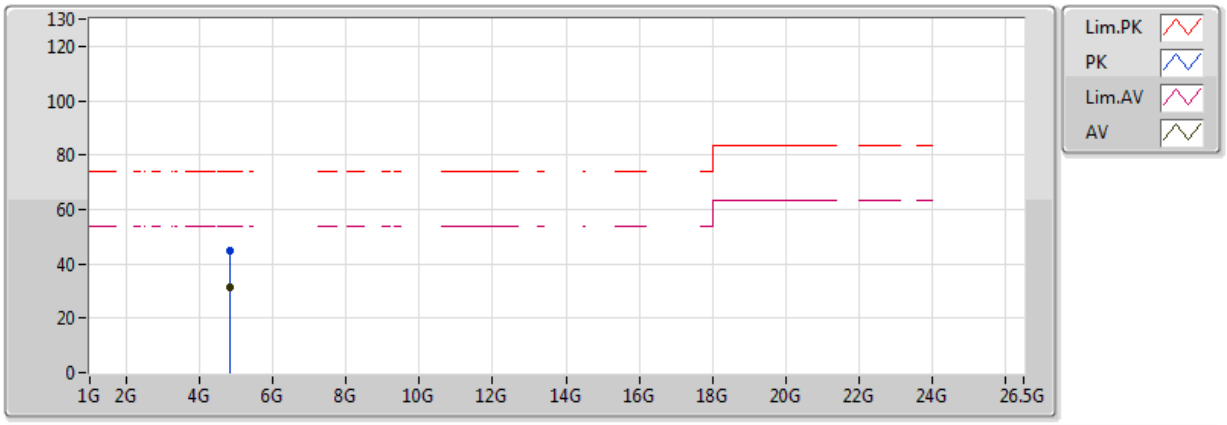


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	29.76	54.00	-24.24	2.16	3	V	257	1.87	-
PK	4.824G	43.65	74.00	-30.35	2.16	3	V	257	1.87	-

802.11g_(6Mbps)_1TX

2412MHz_TX

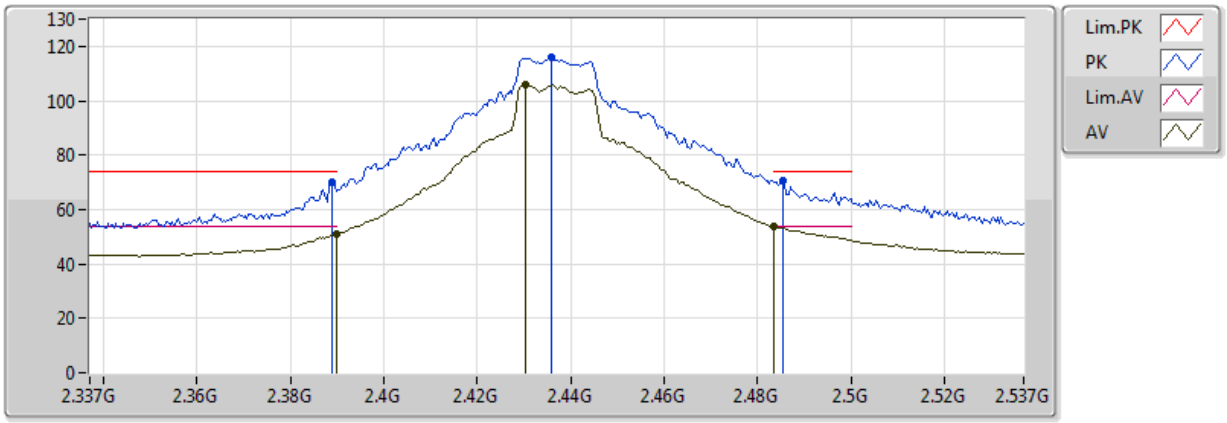


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	31.16	54.00	-22.84	2.16	3	H	190	1.23	-
PK	4.824G	44.67	74.00	-29.33	2.16	3	H	190	1.23	-

802.11g_(6Mbps)_1TX

2437MHz_TX



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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4302G	105.98	Inf	-Inf	31.08	3	V	200	1.17	-
AV	2.389998G	50.99	54.00	-3.01	30.93	3	V	200	1.17	-
AV	2.483502G	53.67	54.00	-0.33	31.27	3	V	200	1.17	-
PK	2.4358G	115.86	Inf	-Inf	31.10	3	V	200	1.17	-
PK	2.389G	70.26	74.00	-3.74	30.93	3	V	200	1.17	-
PK	2.4854G	70.34	74.00	-3.66	31.28	3	V	200	1.17	-

802.11g_(6Mbps)_1TX

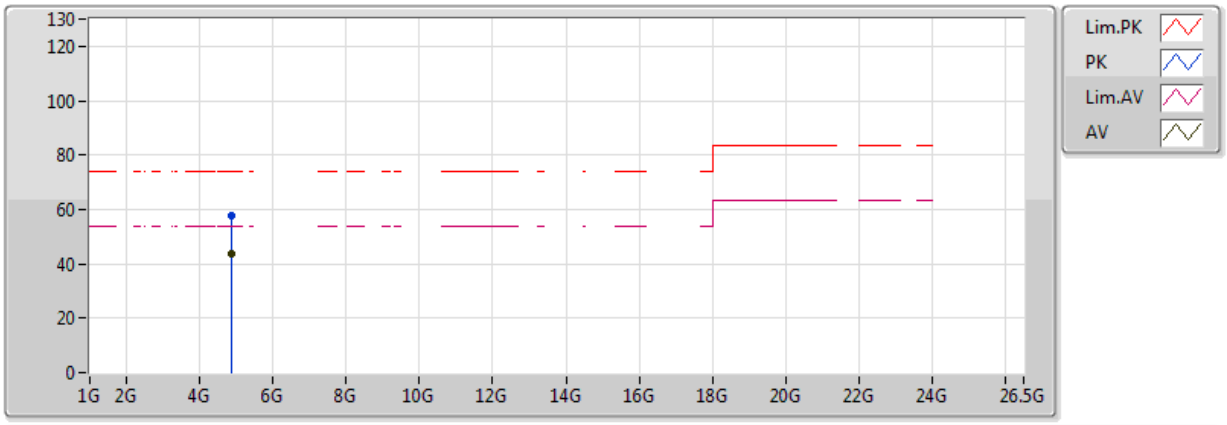
2437MHz_TX

Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	40.72	54.00	-13.28	2.32	3	V	227	3.38	-
PK	4.874G	54.62	74.00	-19.38	2.32	3	V	227	3.38	-

802.11g_(6Mbps)_1TX

2437MHz_TX



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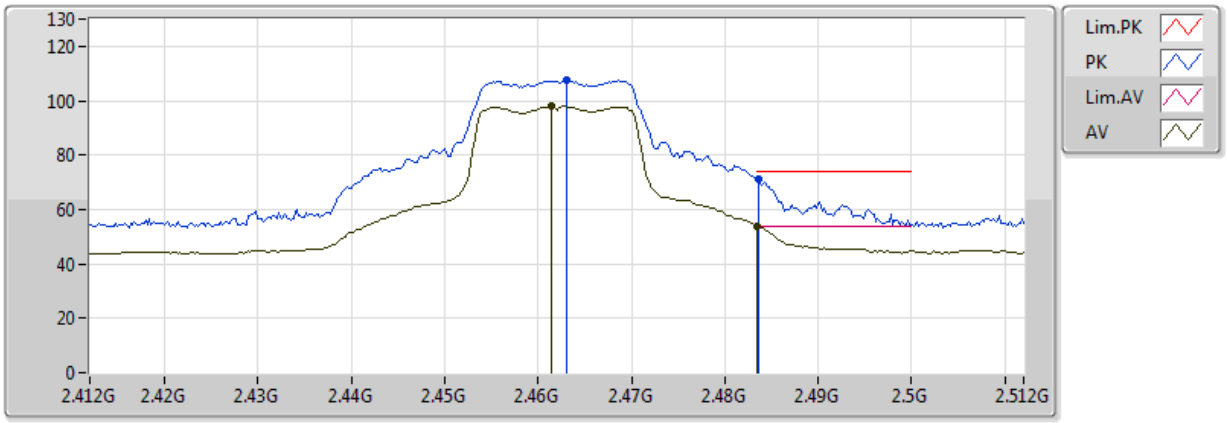
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	43.72	54.00	-10.28	2.32	3	H	186	1.50	-
PK	4.874G	57.62	74.00	-16.38	2.32	3	H	186	1.50	-

802.11g_(6Mbps)_1TX

2462MHz_TX



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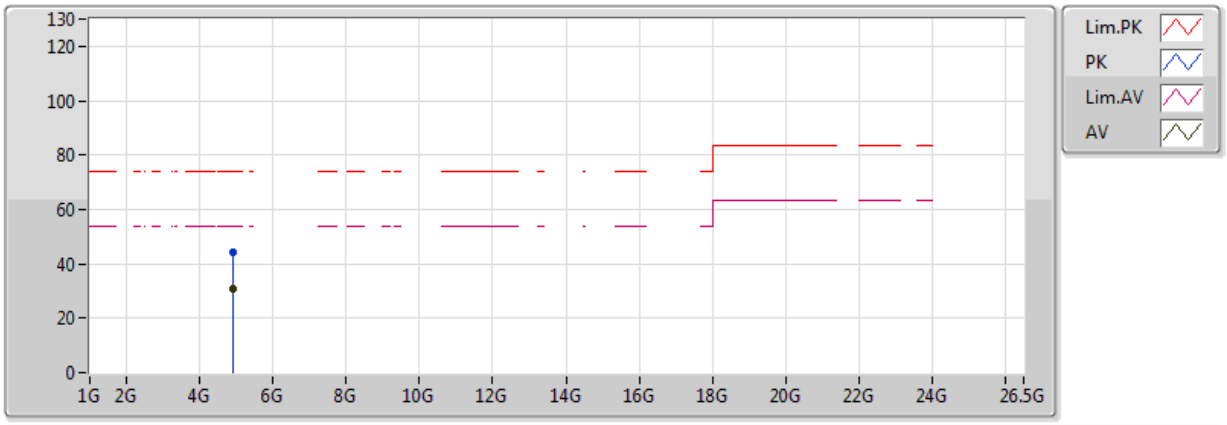
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4614G	98.25	Inf	-Inf	31.19	3	V	352	1.00	-
AV	2.483502G	53.88	54.00	-0.12	31.27	3	V	352	1.00	-
PK	2.463G	107.69	Inf	-Inf	31.20	3	V	352	1.00	-
PK	2.4836G	71.17	74.00	-2.83	31.27	3	V	352	1.00	-

802.11g_(6Mbps)_1TX

2462MHz_TX



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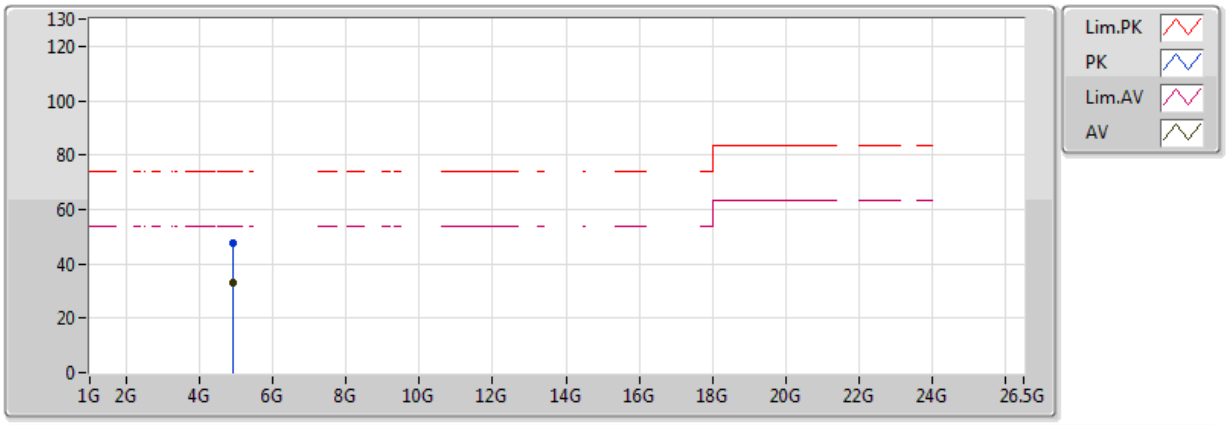
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	30.86	54.00	-23.14	2.48	3	V	225	3.47	-
PK	4.924G	44.49	74.00	-29.51	2.48	3	V	225	3.47	-

802.11g_(6Mbps)_1TX

2462MHz_TX



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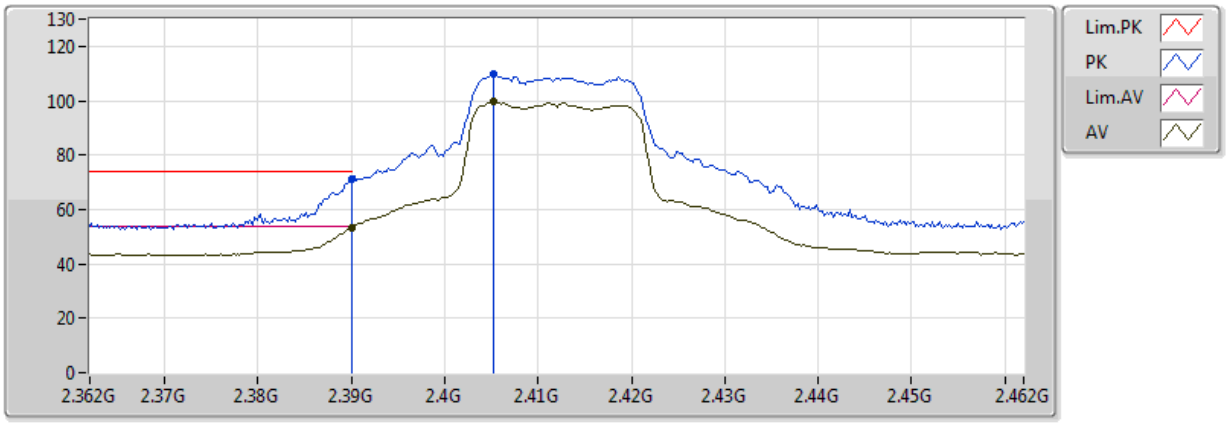
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.23	54.00	-20.77	2.48	3	H	215	2.40	-
PK	4.924G	47.60	74.00	-26.40	2.48	3	H	215	2.40	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

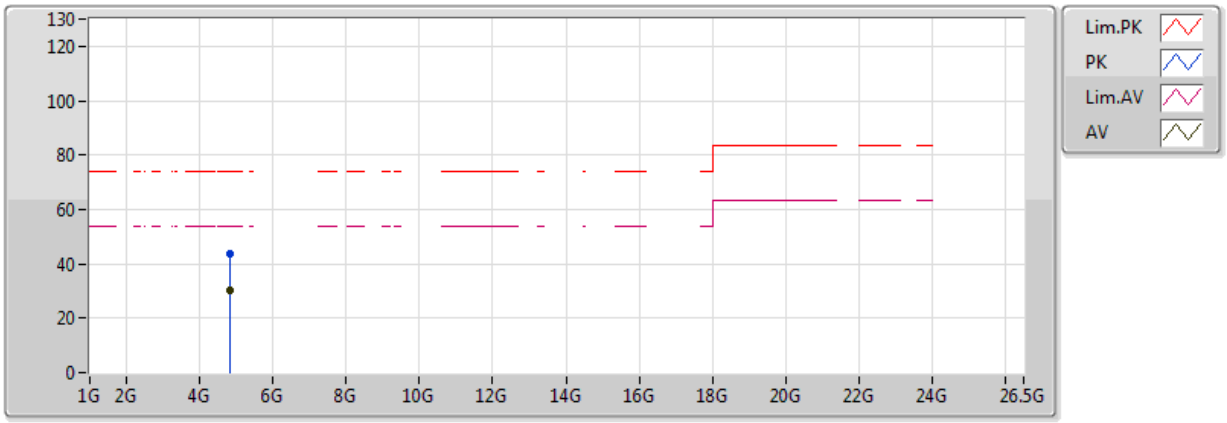


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4052G	99.79	Inf	-Inf	30.99	3	V	353	1.58	-
AV	2.39G	53.18	54.00	-0.82	30.93	3	V	353	1.58	-
PK	2.4052G	110.04	Inf	-Inf	30.99	3	V	353	1.58	-
PK	2.39G	71.19	74.00	-2.81	30.93	3	V	353	1.58	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

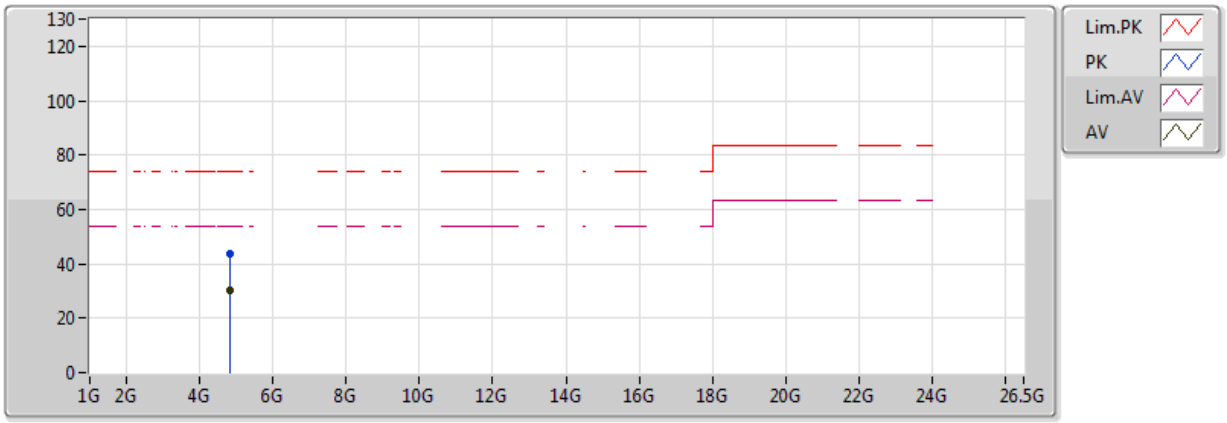


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	30.47	54.00	-23.53	2.16	3	V	212	1.72	-
PK	4.824G	43.73	74.00	-30.27	2.16	3	V	212	1.72	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX



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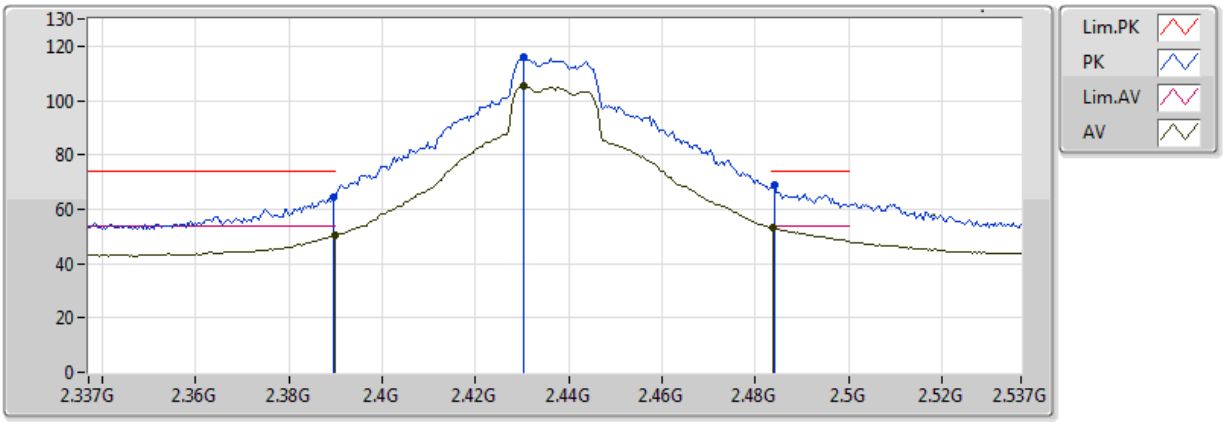
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	30.04	54.00	-23.96	2.16	3	H	247	1.48	-
PK	4.824G	43.81	74.00	-30.19	2.16	3	H	247	1.48	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

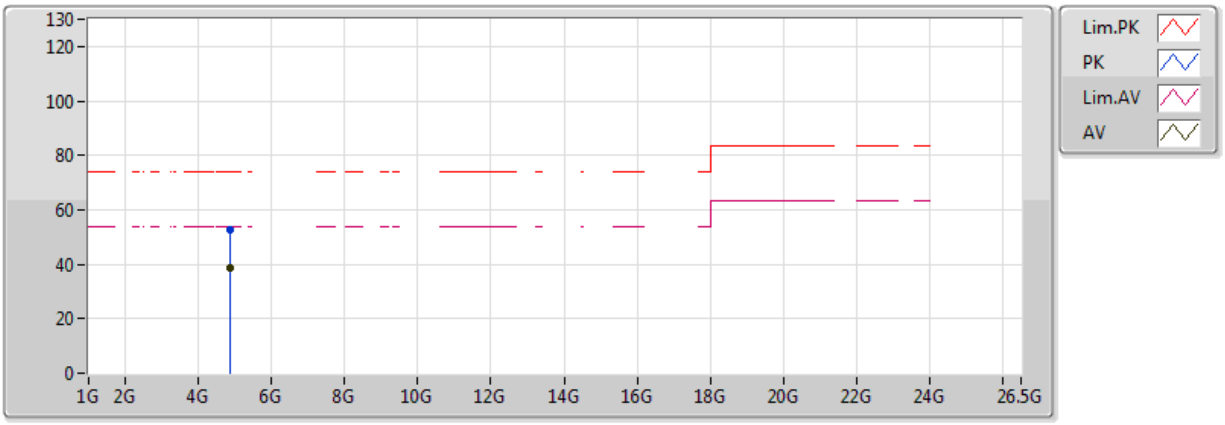


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4302G	105.37	Inf	-Inf	31.08	3	V	201	1.17	-
AV	2.389998G	50.39	54.00	-3.61	30.93	3	V	201	1.17	-
AV	2.4838G	53.09	54.00	-0.91	31.27	3	V	201	1.17	-
PK	2.4302G	115.88	Inf	-Inf	31.08	3	V	201	1.17	-
PK	2.3894G	64.71	74.00	-9.29	30.93	3	V	201	1.17	-
PK	2.4842G	68.73	74.00	-5.27	31.27	3	V	201	1.17	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

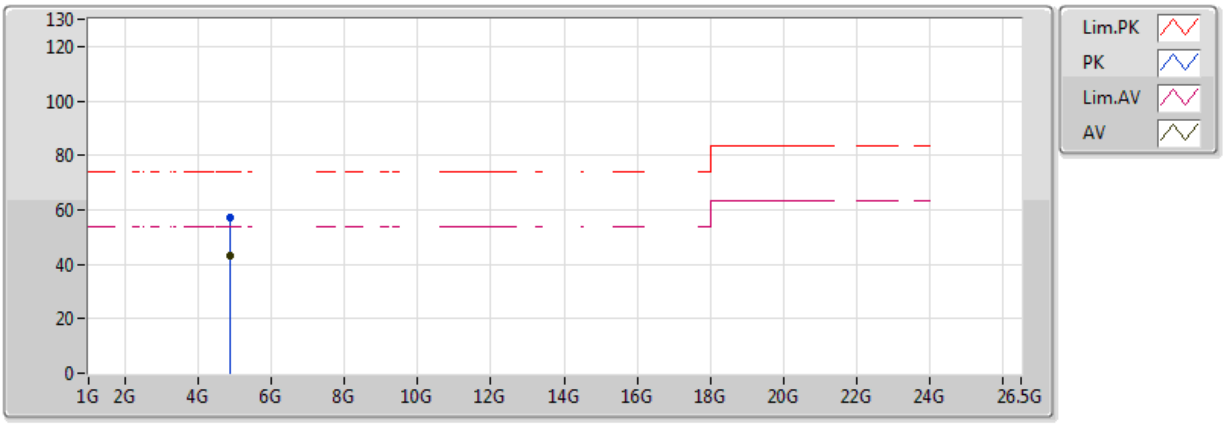


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	38.66	54.00	-15.34	2.32	3	V	260	1.37	-
PK	4.874G	52.69	74.00	-21.31	2.32	3	V	260	1.37	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

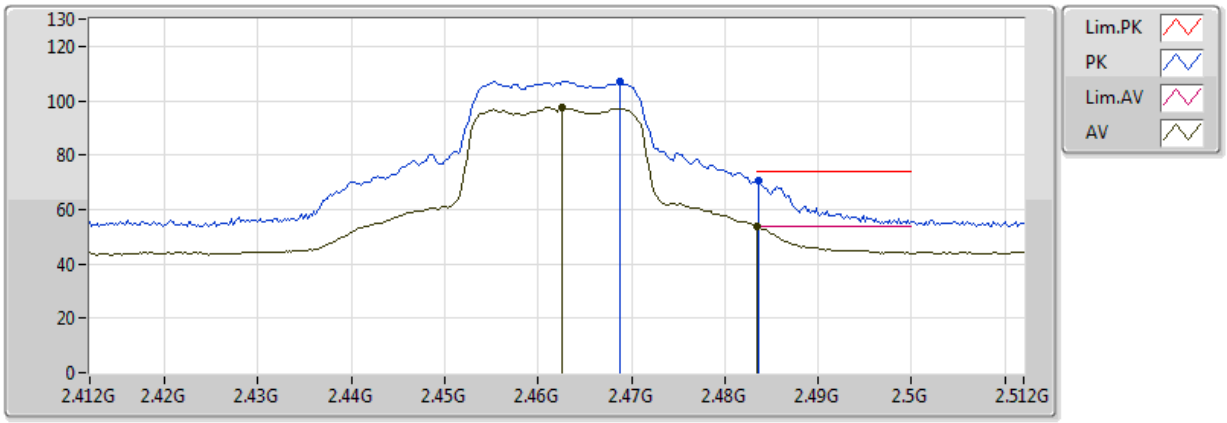


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	43.13	54.00	-10.87	2.32	3	H	188	1.48	-
PK	4.874G	57.39	74.00	-16.61	2.32	3	H	188	1.48	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

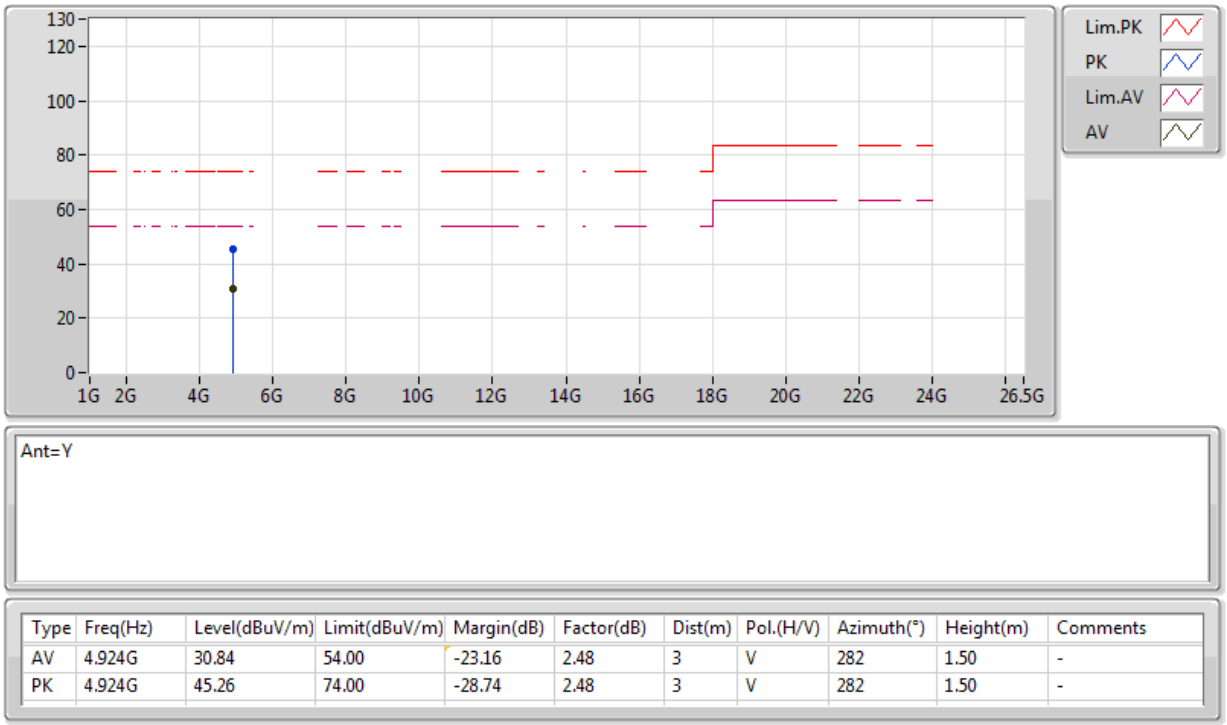


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4626G	97.68	Inf	-Inf	31.20	3	V	355	1.01	-
AV	2.483502G	53.57	54.00	-0.43	31.27	3	V	355	1.01	-
PK	2.4688G	107.11	Inf	-Inf	31.22	3	V	355	1.01	-
PK	2.4836G	70.34	74.00	-3.66	31.27	3	V	355	1.01	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	30.84	54.00	-23.16	2.48	3	V	282	1.50	-
PK	4.924G	45.26	74.00	-28.74	2.48	3	V	282	1.50	-

802.11n HT20_Nss1,(MCS0)_1TX

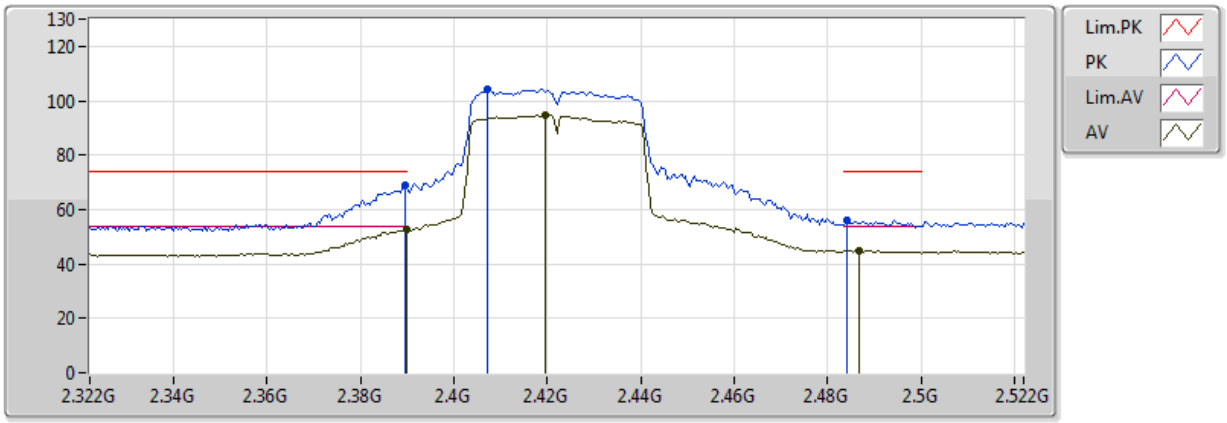
2462MHz_TX

Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	31.02	54.00	-22.98	2.48	3	H	36	1.50	-
PK	4.924G	44.59	74.00	-29.41	2.48	3	H	36	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

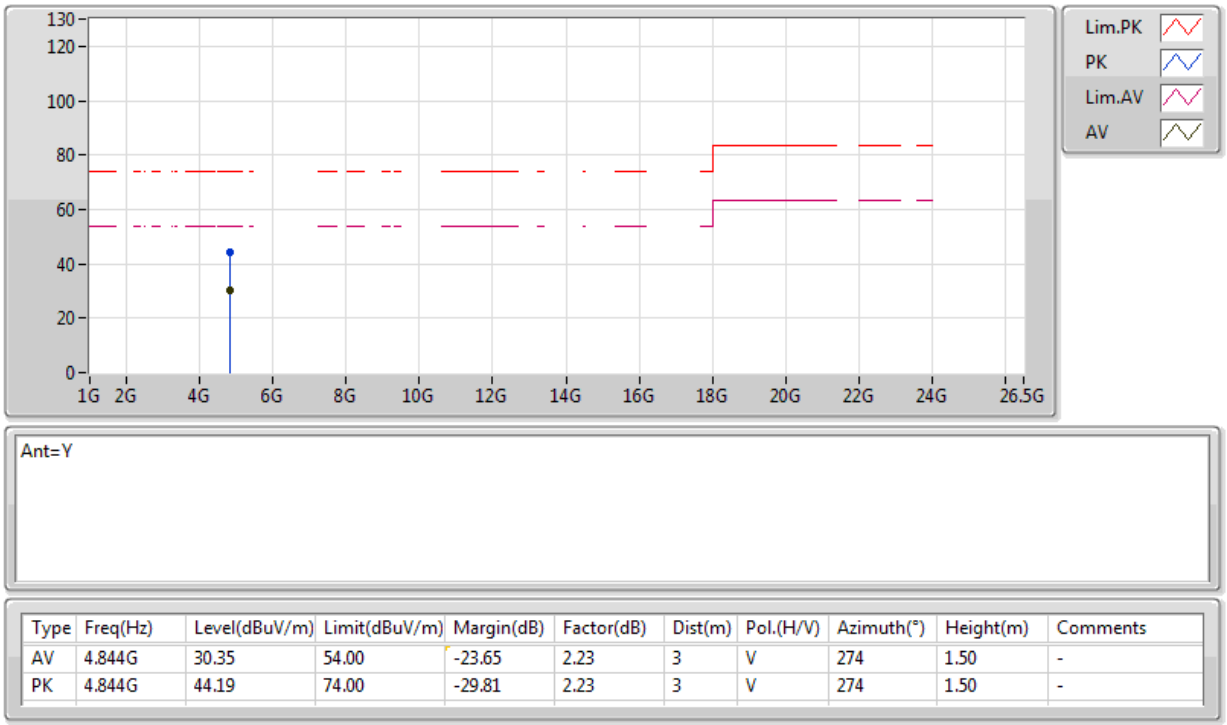


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4196G	94.90	Inf	-Inf	31.04	3	V	352	1.01	-
AV	2.39G	52.79	54.00	-1.21	30.93	3	V	352	1.01	-
AV	2.4868G	45.00	54.00	-9.00	31.28	3	V	352	1.01	-
PK	2.4072G	104.07	Inf	-Inf	31.00	3	V	352	1.01	-
PK	2.3896G	68.89	74.00	-5.11	30.93	3	V	352	1.01	-
PK	2.484G	56.02	74.00	-17.98	31.27	3	V	352	1.01	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

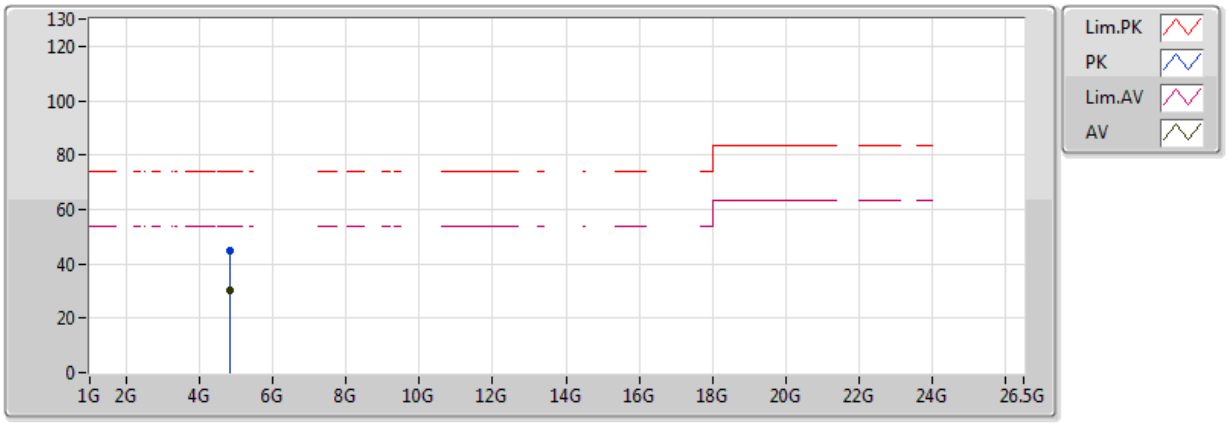


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	30.35	54.00	-23.65	2.23	3	V	274	1.50	-
PK	4.844G	44.19	74.00	-29.81	2.23	3	V	274	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX



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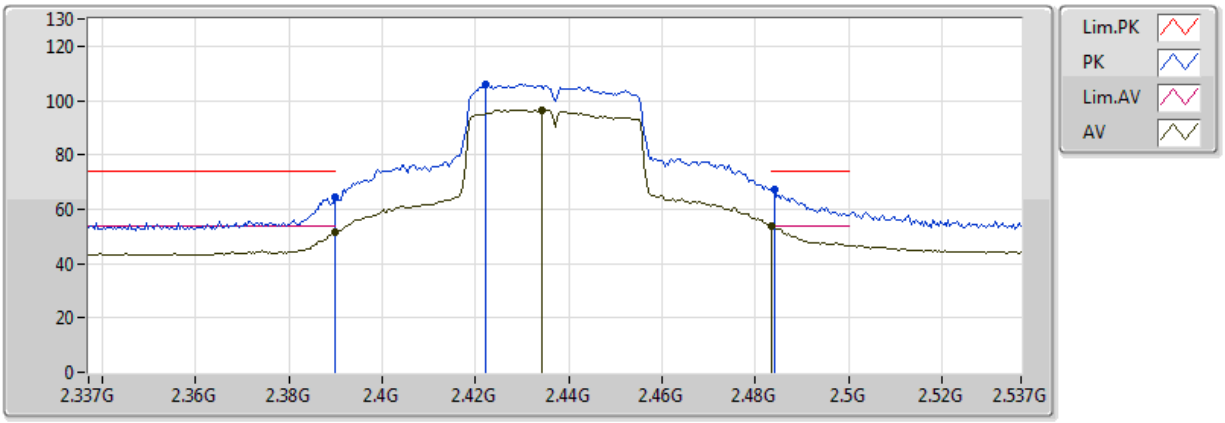
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	30.20	54.00	-23.80	2.23	3	H	4	1.51	-
PK	4.844G	44.81	74.00	-29.19	2.23	3	H	4	1.51	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX



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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4342G	96.60	Inf	-Inf	31.09	3	V	201	1.16	-
AV	2.389998G	51.29	54.00	-2.71	30.93	3	V	201	1.16	-
AV	2.483502G	53.61	54.00	-0.39	31.27	3	V	201	1.16	-
PK	2.4222G	105.85	Inf	-Inf	31.05	3	V	201	1.16	-
PK	2.389998G	64.24	74.00	-9.76	30.93	3	V	201	1.16	-
PK	2.4842G	67.23	74.00	-6.77	31.27	3	V	201	1.16	-

802.11n HT40_Nss1,(MCS0)_1TX

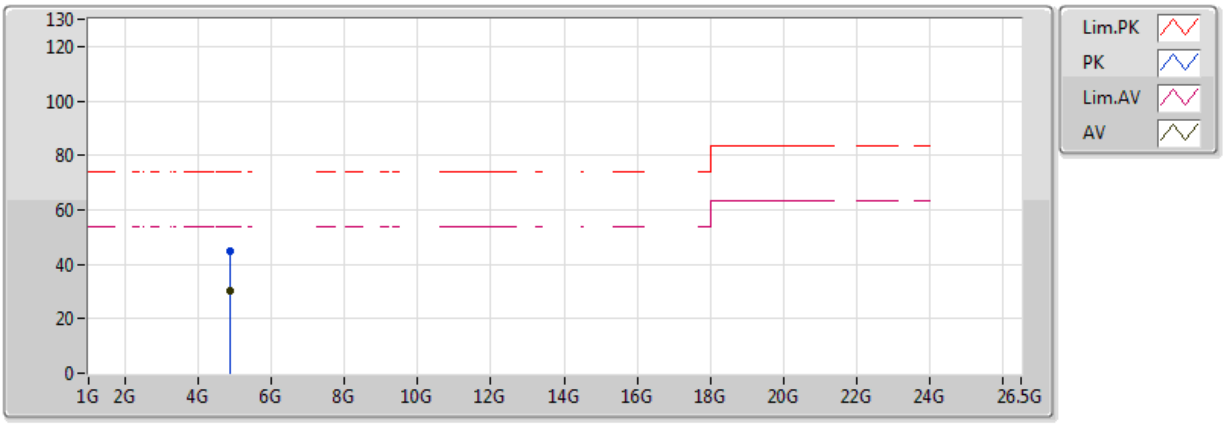
2437MHz_TX

Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	30.63	54.00	-23.37	2.32	3	V	289	1.50	-
PK	4.874G	43.54	74.00	-30.46	2.32	3	V	289	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

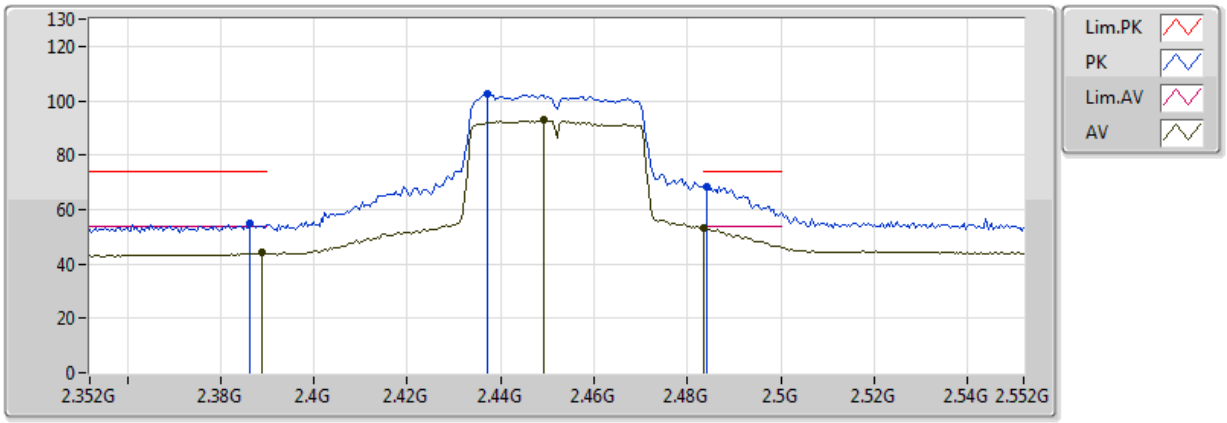


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	30.46	54.00	-23.54	2.32	3	H	119	1.39	-
PK	4.874G	45.08	74.00	-28.92	2.32	3	H	119	1.39	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

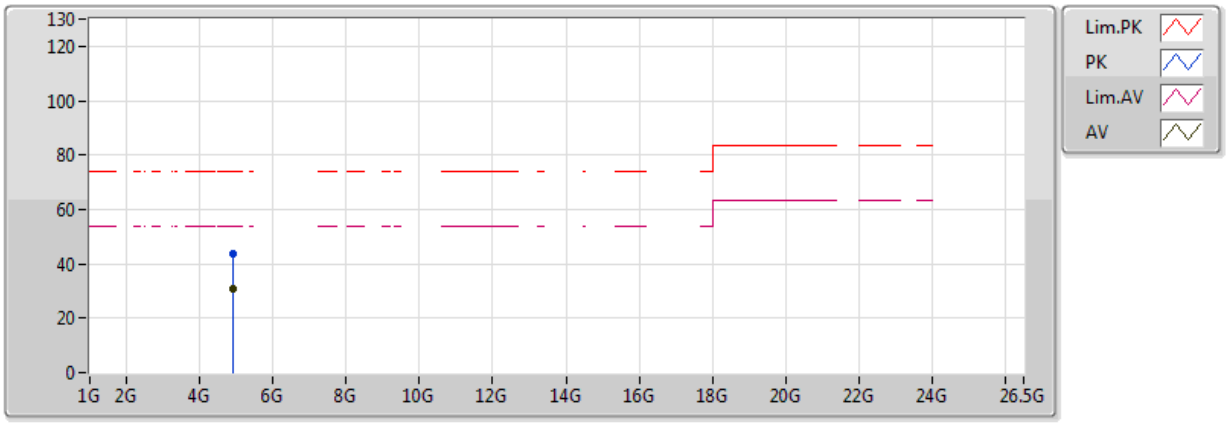


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4492G	92.81	Inf	-Inf	31.15	3	V	351	1.50	-
AV	2.3888G	44.01	54.00	-9.99	30.93	3	V	351	1.50	-
AV	2.4836G	53.03	54.00	-0.97	31.27	3	V	351	1.50	-
PK	2.4372G	102.50	Inf	-Inf	31.10	3	V	351	1.50	-
PK	2.3864G	54.85	74.00	-19.15	30.92	3	V	351	1.50	-
PK	2.484G	68.40	74.00	-5.60	31.27	3	V	351	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

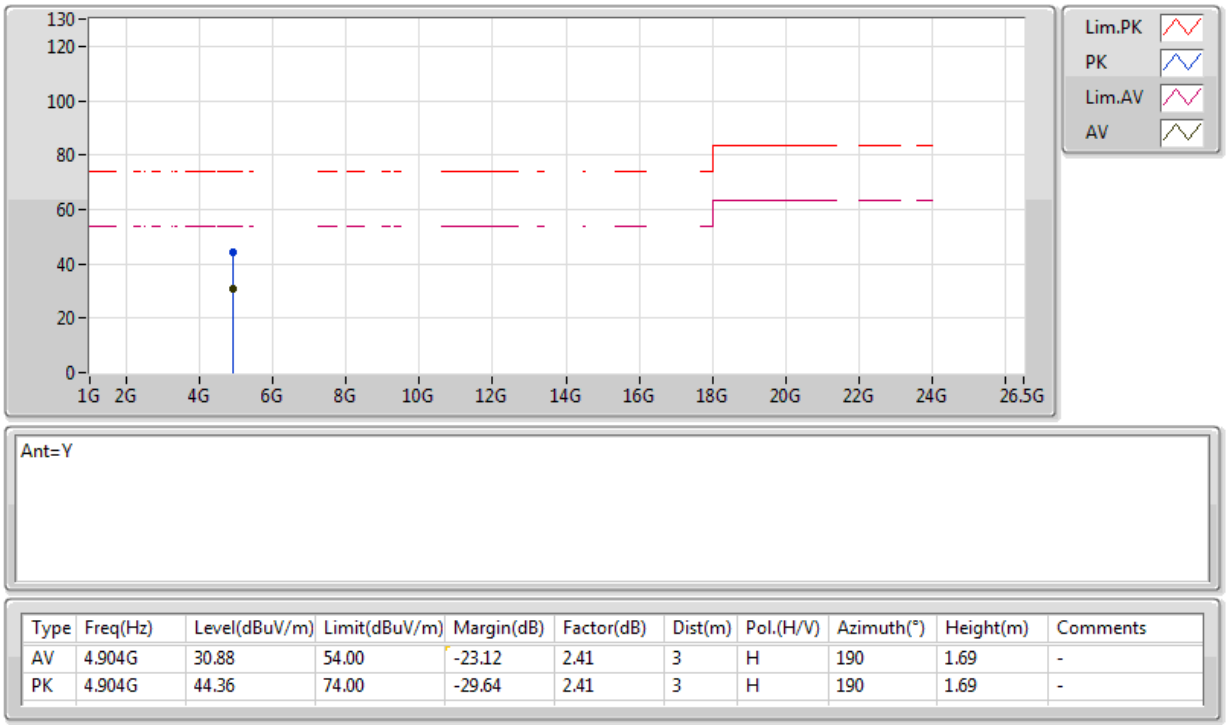


Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	30.97	54.00	-23.03	2.41	3	V	152	1.59	-
PK	4.904G	43.61	74.00	-30.39	2.41	3	V	152	1.59	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX



Ant=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	30.88	54.00	-23.12	2.41	3	H	190	1.69	-
PK	4.904G	44.36	74.00	-29.64	2.41	3	H	190	1.69	-