FCC Test Report

Equipment	:	Lyric™ C1 Wi-Fi® Camera
Brand Name	:	Honeywell
Model No.	:	CHCC1
FCC ID	:	CFS8DLCHCC1
Standard	:	47 CFR FCC Part 15.247
Operating Band	:	2400 MHz – 2483.5 MHz
Function	:	☐ Point-to-multipoint; ☒ Point-to-point
Applicant	:	Honeywell International Inc. 2 Corporate Center Drive, Melville New York 11747 United States
Manufacturer	:	EDIMAX TECHNOLOGY CO., LTD. No.278, Xinhu 1st Rd., Neihu Dist., Taipei City, Taiwan

The product sample received on Oct. 13, 2017 and completely tested on Oct. 19, 217. 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
FR721306-02AC	Rev. 01	Initial issue of report	Jan. 26, 2018
FR721306-02AC	Rev. 02	Add Temperature & Humidity Uncertainty	Jan. 31, 2018

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	-	ALX17P-051XX5-00	Dipole Antenna	fixed on board	2.6

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	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.982	0.079	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.977	0.101	1.273m	1k
802.11n HT40	0.946	0.241	40.001m	30

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	24.6°C / 65.5%	19/Oct/2017
Radiated	03CH02-HY	Lynus	24°C / 67%	18/Oct/2017
AC Conduction	CO04-HY	Eric	24.1°C / 55%	18/Oct/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%
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	RTL819x3.4

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	46
2437MHz	46
2462MHz	46
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	48
2437MHz	48
2462MHz	48
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	46
2437MHz	48
2462MHz	46
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	45
2437MHz	46
2452MHz	46

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	**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	Bluetooth+WLAN 2.4GHz
Refer to Sporton Test Report No.: FA721306-02 for Co-location RF Exposure Evaluation.	

2.4 Accessories

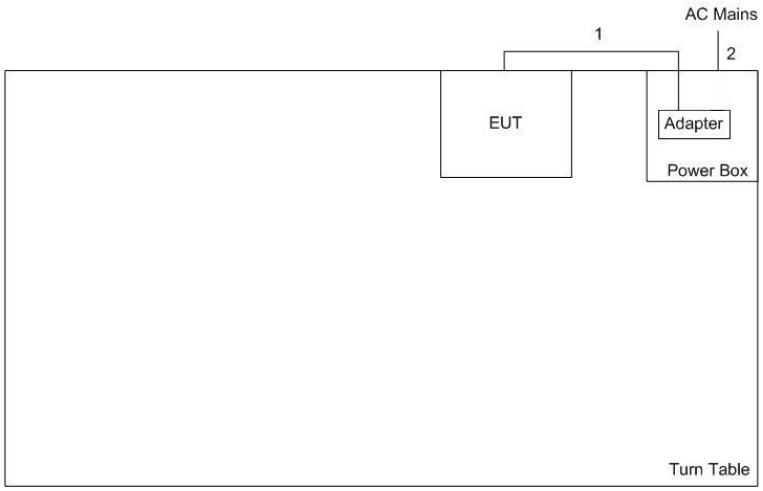
Accessories				
AC Adapter 1	Brand Name	APD	Model Name	WB-10E05FU
	Power Rating	I/P: 100 - 240 Vac, 50-60Hz, 0.4 A, O/P: 5 Vdc, 2 A		
	Power Cord	1.2 meter, non-shielded cable, w/o ferrite core		
Stand	Brand Name	-	Model Name	-

2.5 Support Equipment

Support Equipment - RF Conducted			
No.	**Equipment**	**Brand Name**	**Model Name**
1	Notebook	DELL	E5410
2	Adapter for NB	DELL	HA65NM130

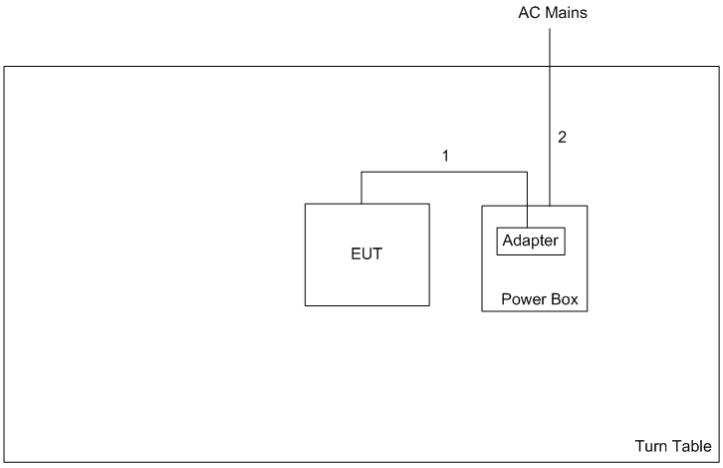
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power cable	No	1.8m	-
2	AC Power cable	No	1.7m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	DC Power Cable	No	1.2	-
2	AC Power Cable	No	1.8	-

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

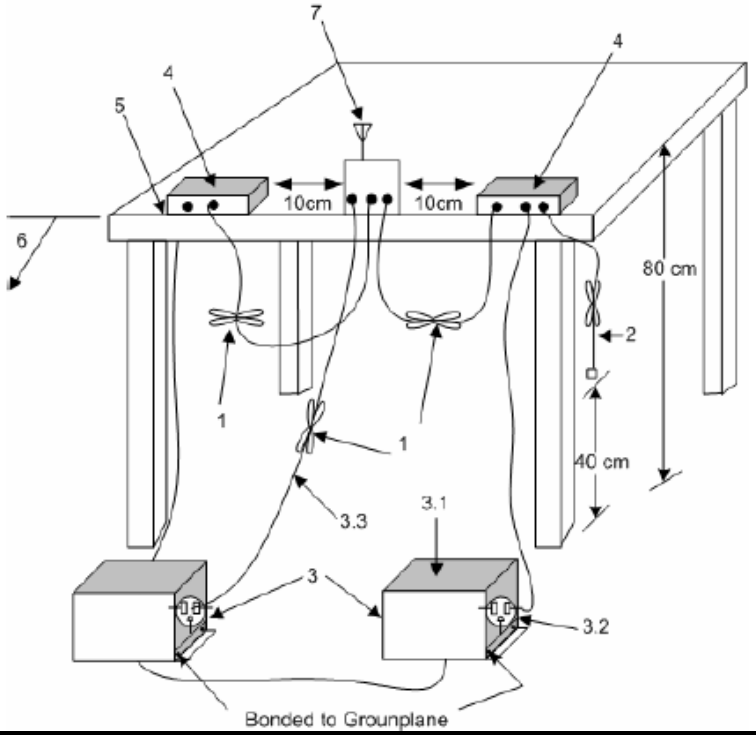
Refer a test equipment and calibration data table in this test report.

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.

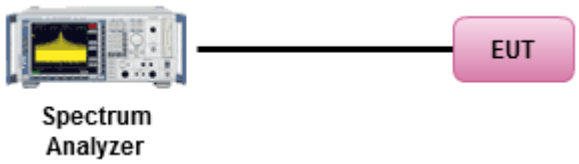
3.2.2 Measuring Instruments

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

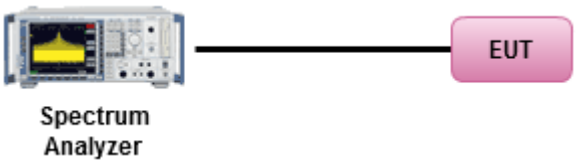
3.4.2 Measuring Instruments

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

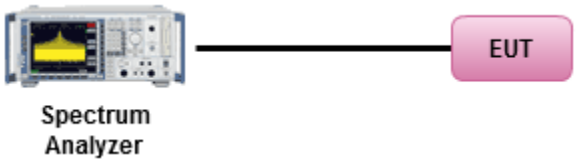
Refer a test equipment and calibration data table in this test report.

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



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.

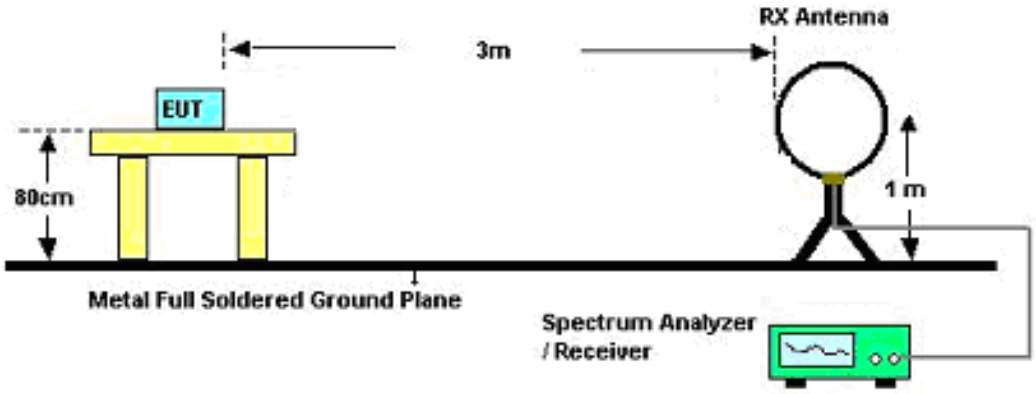
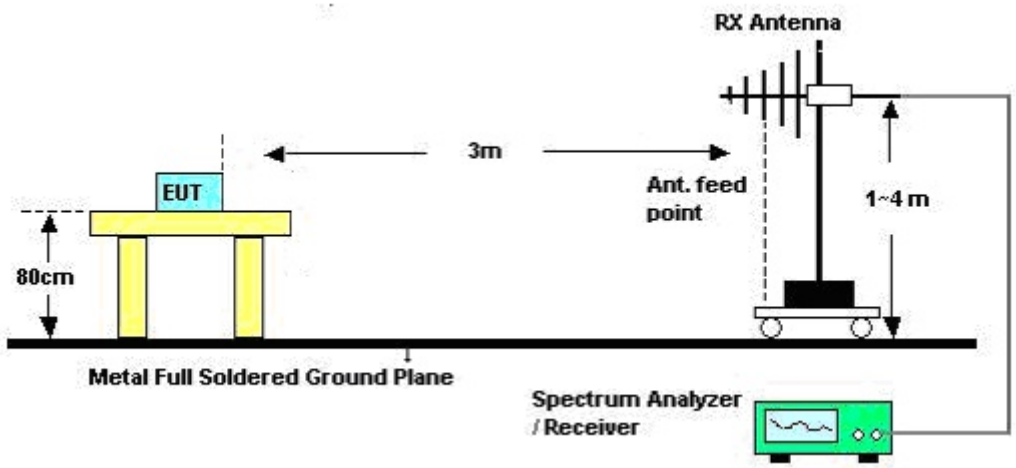
3.6.2 Measuring Instruments

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

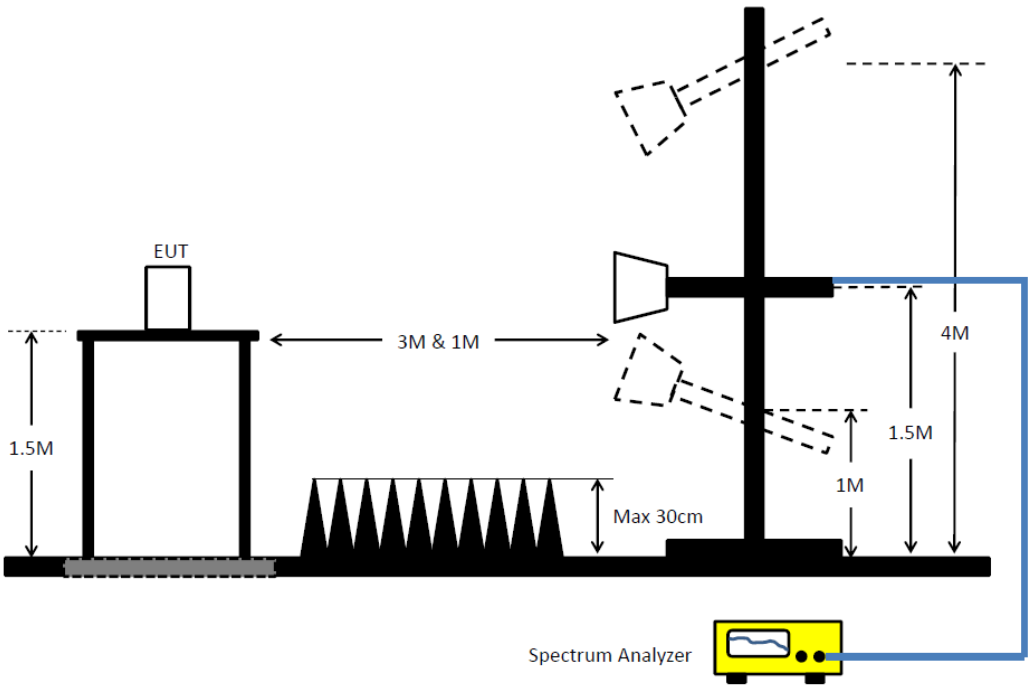
3.6.3 Test Procedures

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 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.

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	06/Oct/2017	05/Oct/2018
LISN (Support Unit)	EMCO	3810/2	9703-1839	9kHz ~ 30MHz	NCR	NCR
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/ Feb/2017	13/ Feb/2018
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	05/Oct/2017	04/Oct/2018

NCR : Non-Calibration Require

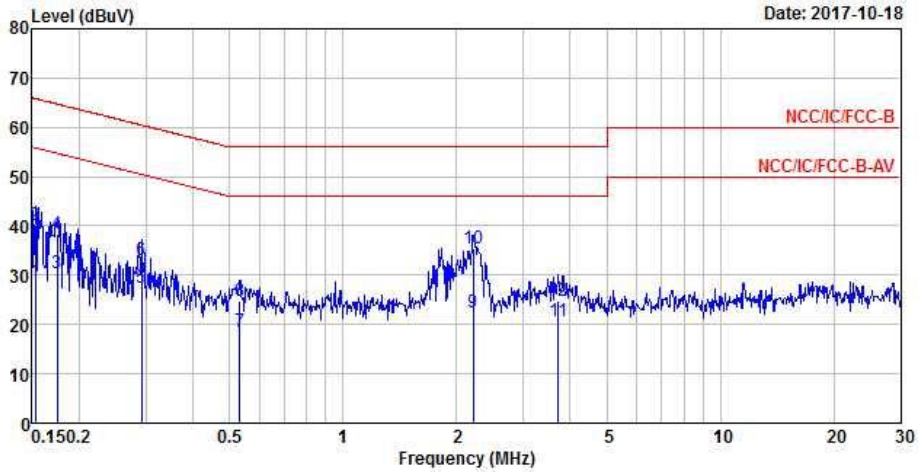
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Ketsight	83017A	MY53270197	1GHz-26.5GHz	19/Sep/2017	18/Sep/2018
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	09/Sep/2017	08/Sep/2018
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9kHz~40GHz	28/Jun/2017	27/Jun/2018
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	25/Aug/2017	24/Aug/2018

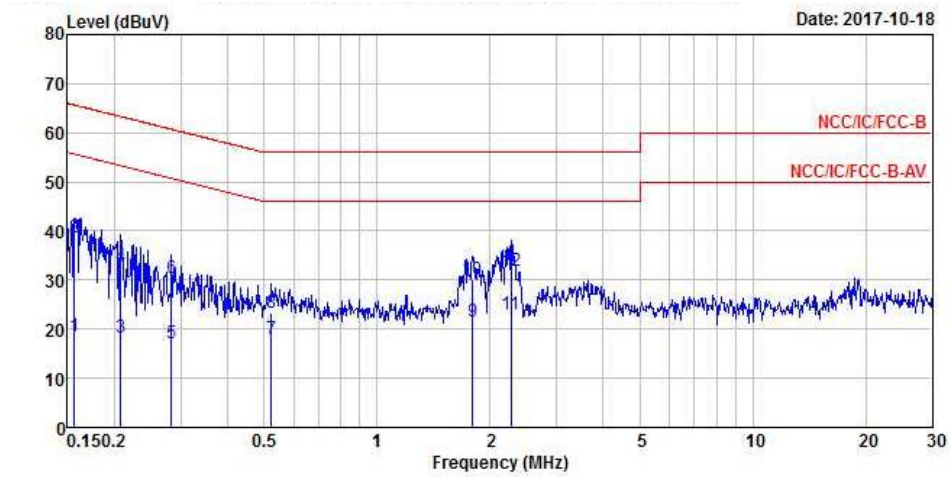
AC Power-line Conducted Emissions Result			
Operating Mode	1	**Power Phase**	Neutral
Operating Function	Adapter mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15321	28.73	-27.09	55.82	19.13	9.60	0.00	Average
2	0.15321	40.16	-25.66	65.82	30.56	9.60	0.00	QP
3	0.17491	30.30	-24.42	54.72	20.66	9.64	0.00	Average
4	0.17491	38.28	-26.44	64.72	28.64	9.64	0.00	QP
5	0.29243	27.45	-23.01	50.46	17.80	9.65	0.00	Average
6	0.29243	33.18	-27.28	60.46	23.53	9.65	0.00	QP
7	0.53215	18.73	-27.27	46.00	9.11	9.62	0.00	Average
8	0.53215	24.81	-31.19	56.00	15.19	9.62	0.00	QP
9	2.21317	22.50	-23.50	46.00	12.84	9.66	0.00	Average
10 MAX	2.21317	35.40	-20.60	56.00	25.74	9.66	0.00	QP
11	3.71976	20.53	-25.47	46.00	10.83	9.70	0.00	Average
12	3.71976	24.93	-31.07	56.00	15.23	9.70	0.00	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		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15650	18.60	-37.05	55.65	8.94	9.66	0.00	Average
2	0.15650	38.71	-26.94	65.65	29.05	9.66	0.00	QP
3	0.20723	18.32	-35.00	53.32	8.67	9.65	0.00	Average
4	0.20723	32.82	-30.50	63.32	23.17	9.65	0.00	QP
5	0.28328	17.16	-33.56	50.72	7.50	9.66	0.00	Average
6	0.28328	30.32	-30.40	60.72	20.66	9.66	0.00	QP
7	0.52376	18.11	-27.89	46.00	8.44	9.67	0.00	Average
8	0.52376	23.40	-32.60	56.00	13.73	9.67	0.00	QP
9	1.80001	21.44	-24.56	46.00	11.67	9.77	0.00	Average
10	1.80001	30.08	-25.92	56.00	20.31	9.77	0.00	QP
11 MAX	2.27258	23.13	-22.87	46.00	13.34	9.79	0.00	Average
12	2.27258	31.76	-24.24	56.00	21.97	9.79	0.00	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)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	10.075M	14.893M	14M9G1D	9.55M	14.843M
802.11g_Nss1,(6Mbps)_1TX	16.3M	16.467M	16M5D1D	16.25M	16.442M
802.11n HT20_Nss1,(MCS0)_1TX	16.875M	17.566M	17M6D1D	16.325M	17.516M
802.11n HT40_Nss1,(MCS0)_1TX	35.9M	36.082M	36M1D1D	35.7M	36.082M

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

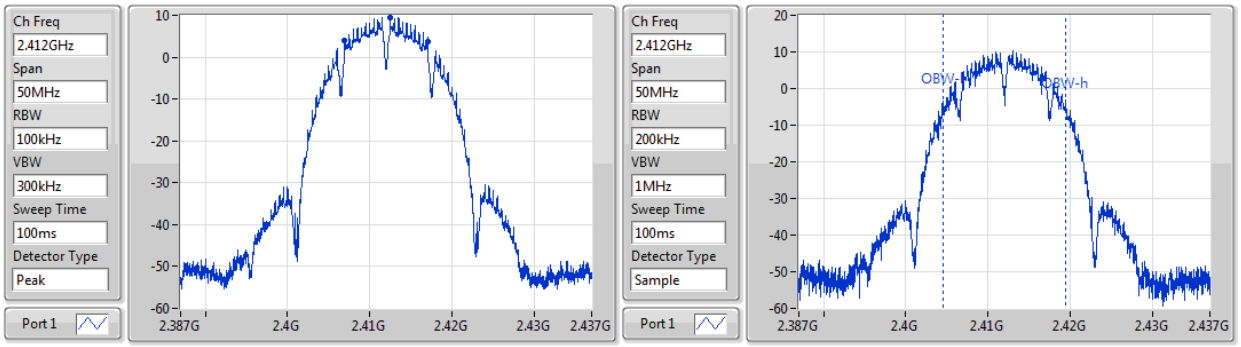
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.075M	14.868M
2437MHz	Pass	500k	9.55M	14.843M
2462MHz	Pass	500k	10.05M	14.893M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.3M	16.467M
2437MHz	Pass	500k	16.25M	16.442M
2462MHz	Pass	500k	16.3M	16.442M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	16.875M	17.516M
2437MHz	Pass	500k	16.525M	17.566M
2462MHz	Pass	500k	16.325M	17.541M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	35.9M	36.082M
2437MHz	Pass	500k	35.7M	36.082M
2452MHz	Pass	500k	35.9M	36.082M

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

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

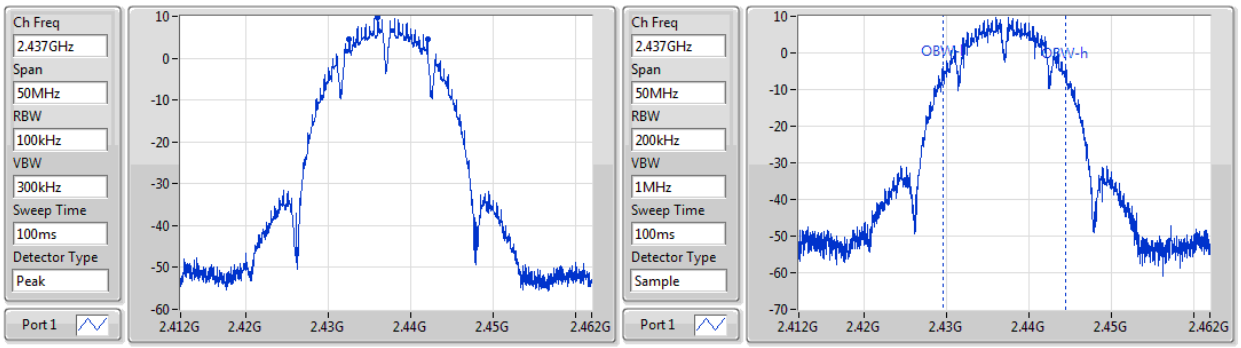
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.406975G	2.41705G	14.868M	2.404554G	2.419421G	500k	1

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

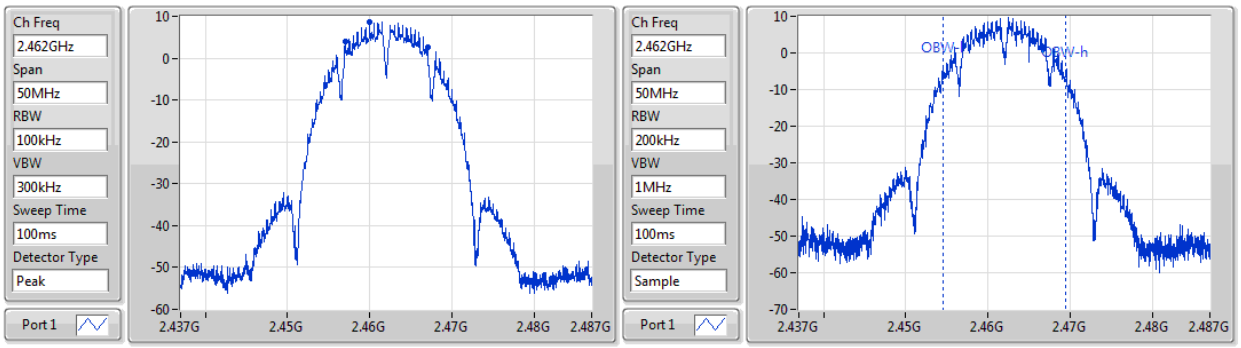
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.55M	2.432475G	2.442025G	14.843M	2.429554G	2.444396G	500k	1

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

2462MHz

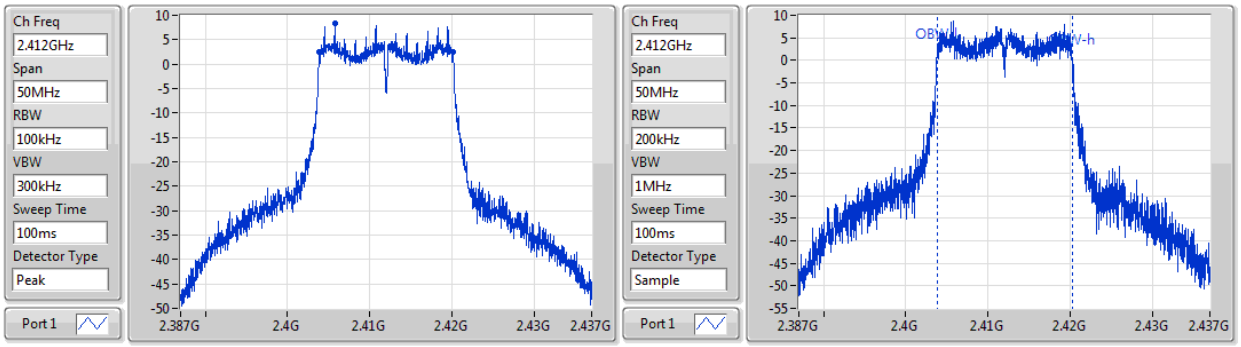


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.05M	2.457G	2.46705G	14.893M	2.454529G	2.469421G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2412MHz

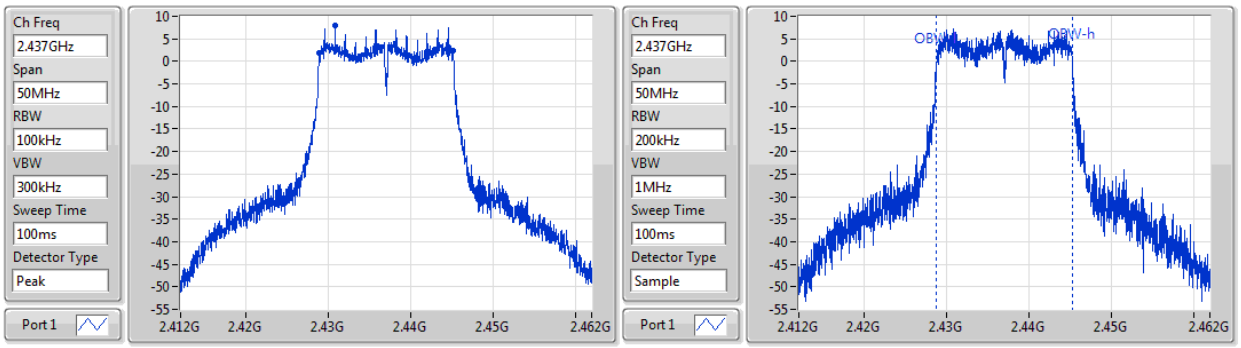


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.403875G	2.420175G	16.467M	2.403804G	2.420271G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

2437MHz

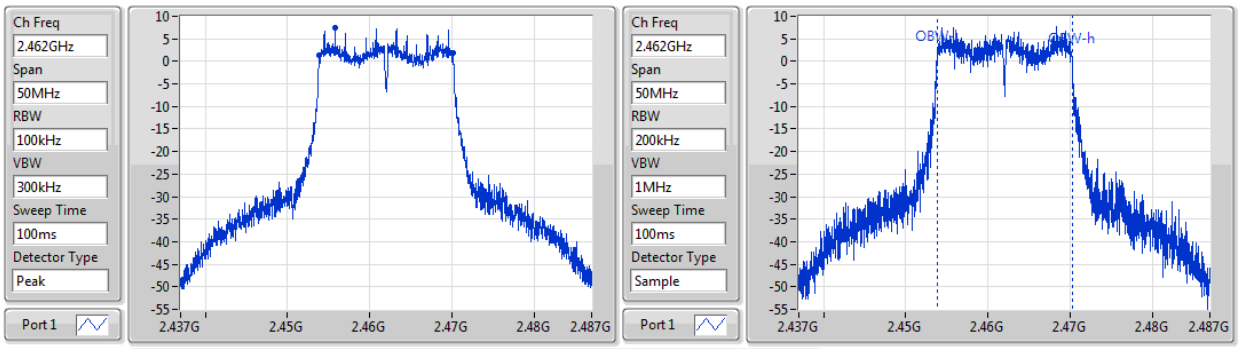


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.25M	2.4289G	2.44515G	16.442M	2.428779G	2.445221G	500k	1

802.11g_Nss1,(6Mbps)_1TX

EBW

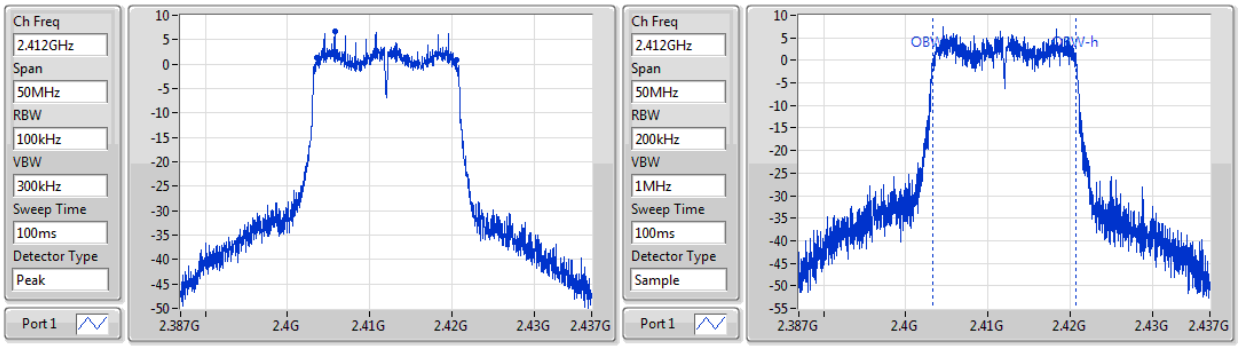
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.453875G	2.470175G	16.442M	2.453804G	2.470246G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

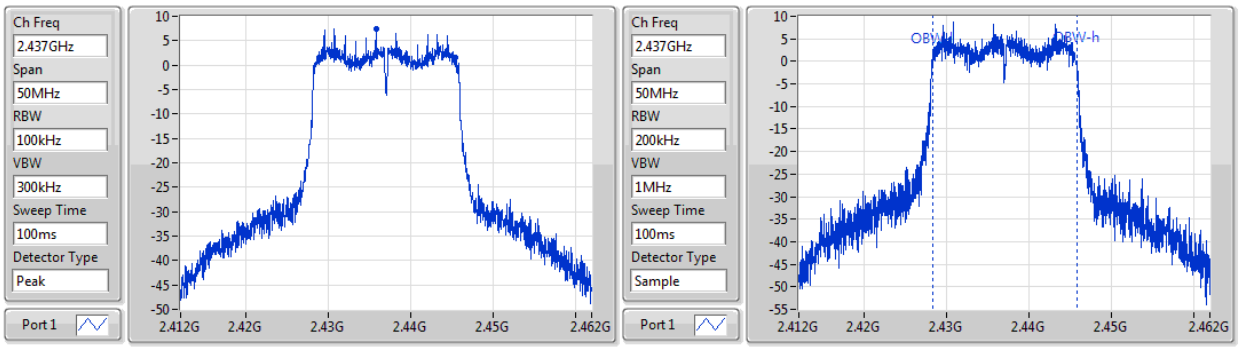
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.875M	2.403625G	2.4205G	17.516M	2.403254G	2.420771G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

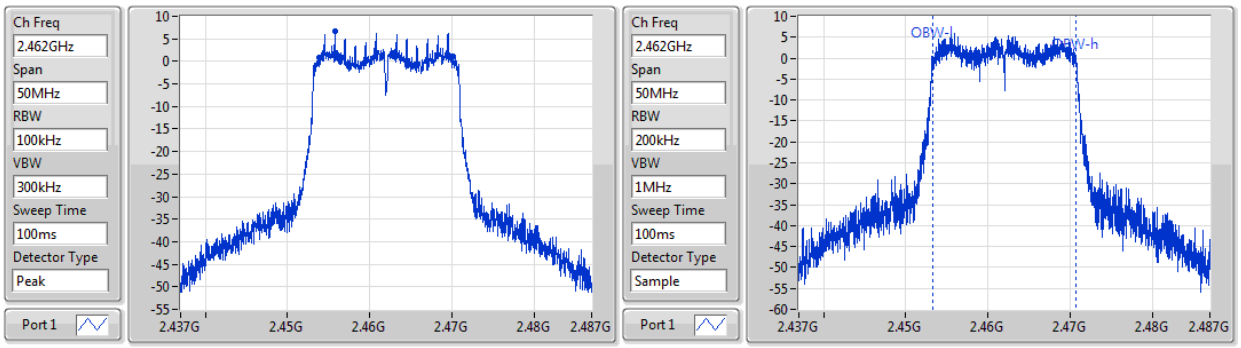
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.525M	2.42885G	2.445375G	17.566M	2.428229G	2.445796G	500k	1

802.11n HT20_Nss1,(MCS0)_1TX EBW

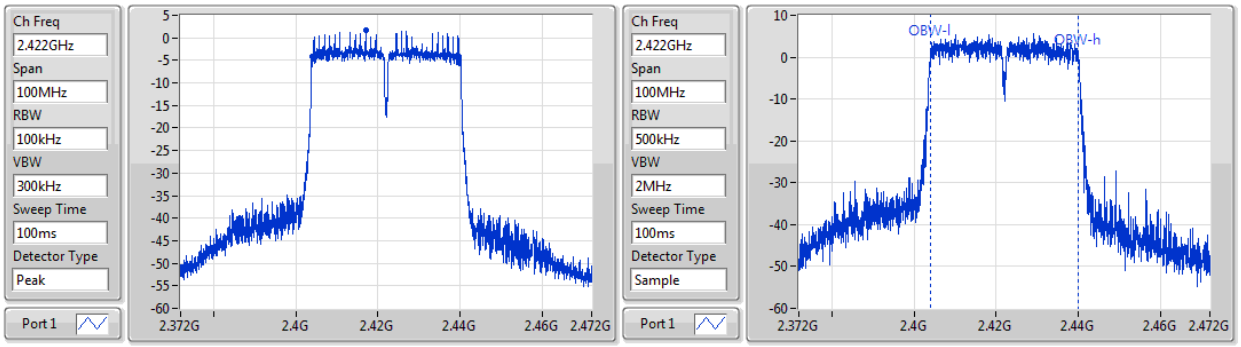
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	17.541M	2.453229G	2.470771G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

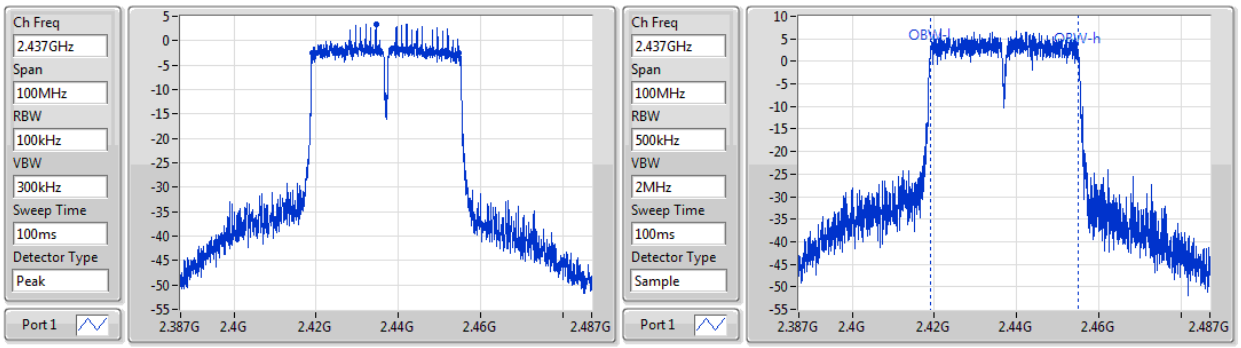
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.9M	2.4039G	2.4398G	36.082M	2.403959G	2.440041G	500k	1

802.11n HT40_Nss1,(MCS0)_1TX EBW

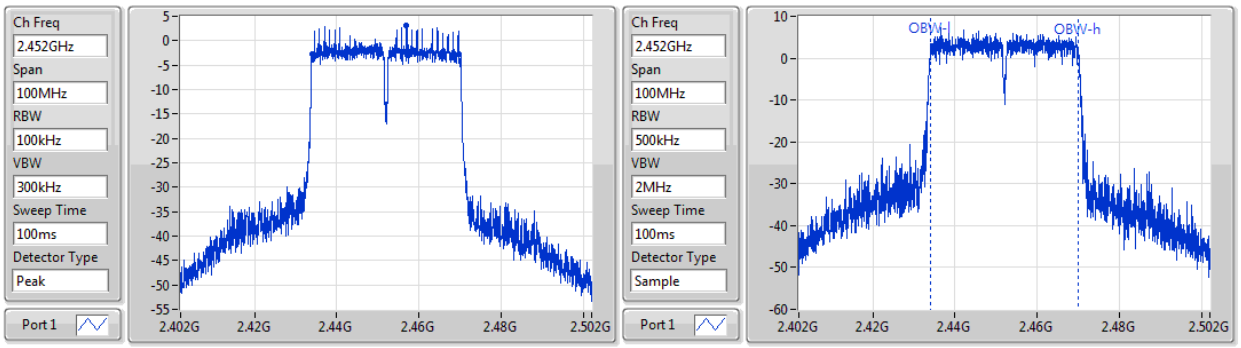
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	2.4191G	2.4548G	36.082M	2.418959G	2.455041G	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
35.9M	2.4339G	2.4698G	36.082M	2.433959G	2.470041G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.41	0.08730
802.11g_Nss1,(6Mbps)_1TX	19.17	0.08260
802.11n HT20_Nss1,(MCS0)_1TX	19.05	0.08035
802.11n HT40_Nss1,(MCS0)_1TX	18.16	0.06546

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	19.41	19.41	30.00
2437MHz	Pass	2.60	19.02	19.02	30.00
2462MHz	Pass	2.60	18.65	18.65	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	19.12	19.12	30.00
2437MHz	Pass	2.60	19.17	19.17	30.00
2462MHz	Pass	2.60	18.42	18.42	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	18.43	18.43	30.00
2437MHz	Pass	2.60	19.05	19.05	30.00
2462MHz	Pass	2.60	17.82	17.82	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.60	17.87	17.87	30.00
2437MHz	Pass	2.60	18.16	18.16	30.00
2452MHz	Pass	2.60	17.81	17.81	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	-4.56
802.11g_Nss1,(6Mbps)_1TX	-6.07
802.11n HT20_Nss1,(MCS0)_1TX	-6.69
802.11n HT40_Nss1,(MCS0)_1TX	-11.56

RBW=3kHz.

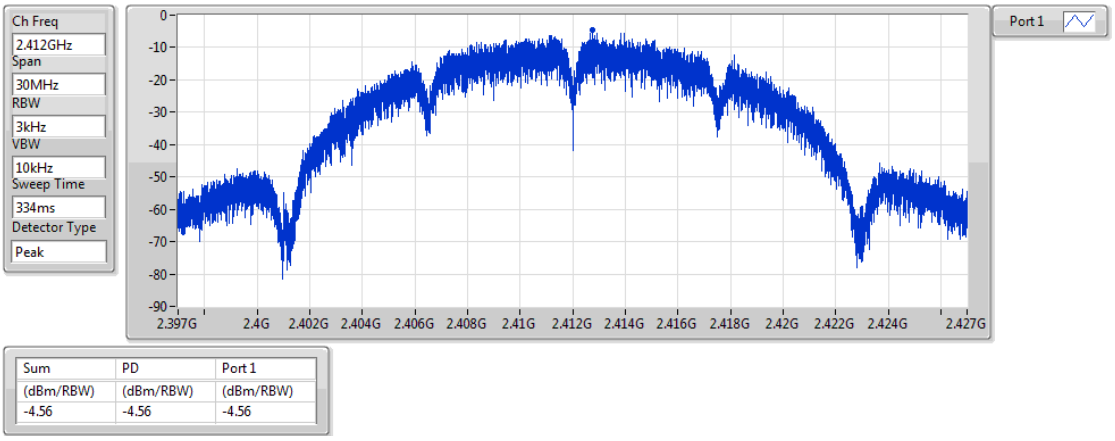
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	-4.56	-4.56	8.00
2437MHz	Pass	2.60	-5.56	-5.56	8.00
2462MHz	Pass	2.60	-6.62	-6.62	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	-6.82	-6.82	8.00
2437MHz	Pass	2.60	-6.79	-6.79	8.00
2462MHz	Pass	2.60	-6.07	-6.07	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.60	-7.28	-7.28	8.00
2437MHz	Pass	2.60	-6.69	-6.69	8.00
2462MHz	Pass	2.60	-7.81	-7.81	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.60	-11.42	-11.42	8.00
2437MHz	Pass	2.60	-11.56	-11.56	8.00
2452MHz	Pass	2.60	-11.71	-11.71	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_Nss1,(1Mbps)_1TX PSD

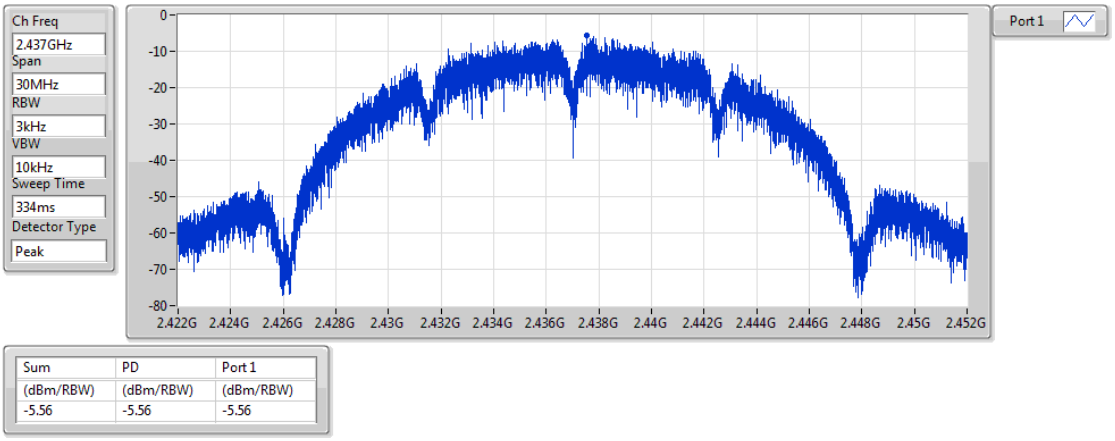
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.56	-4.56	-4.56

802.11b_Nss1,(1Mbps)_1TX PSD

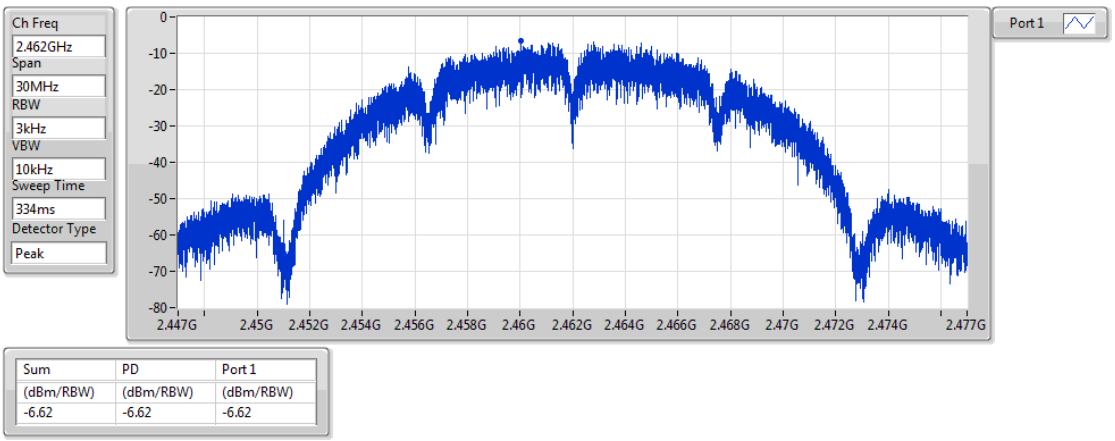
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.56	-5.56	-5.56

802.11b_Nss1,(1Mbps)_1TX PSD

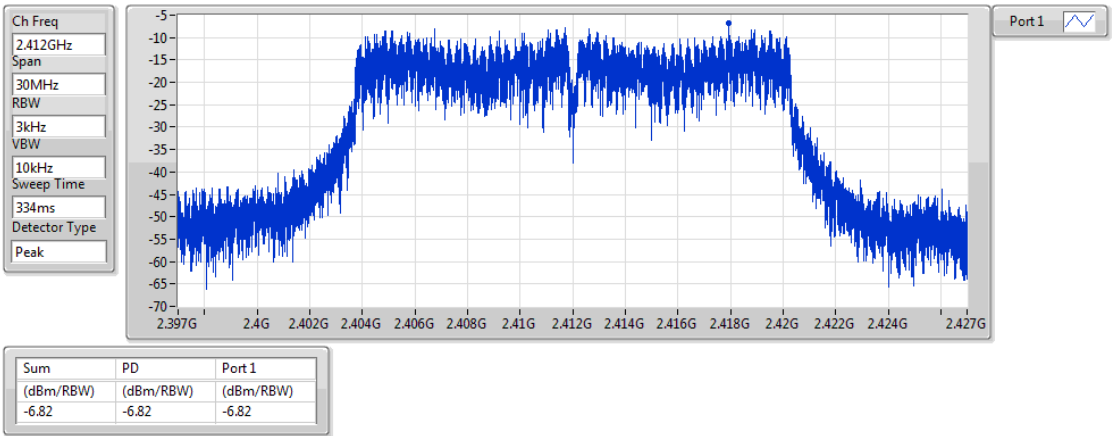
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.62	-6.62	-6.62

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

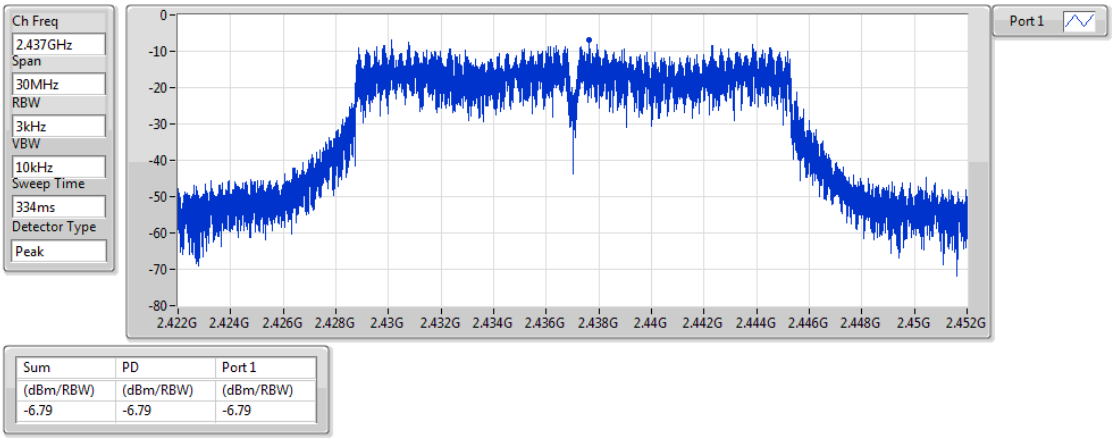
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.82	-6.82	-6.82

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

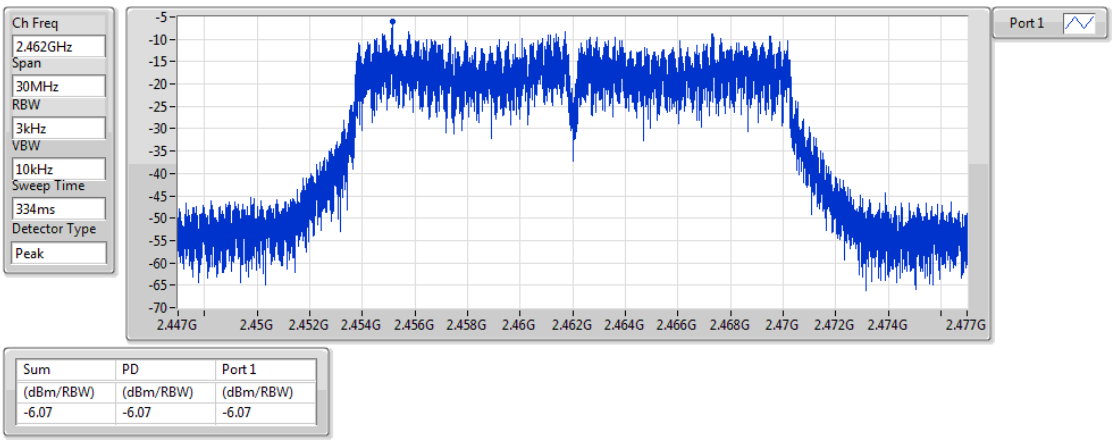
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.79	-6.79	-6.79

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

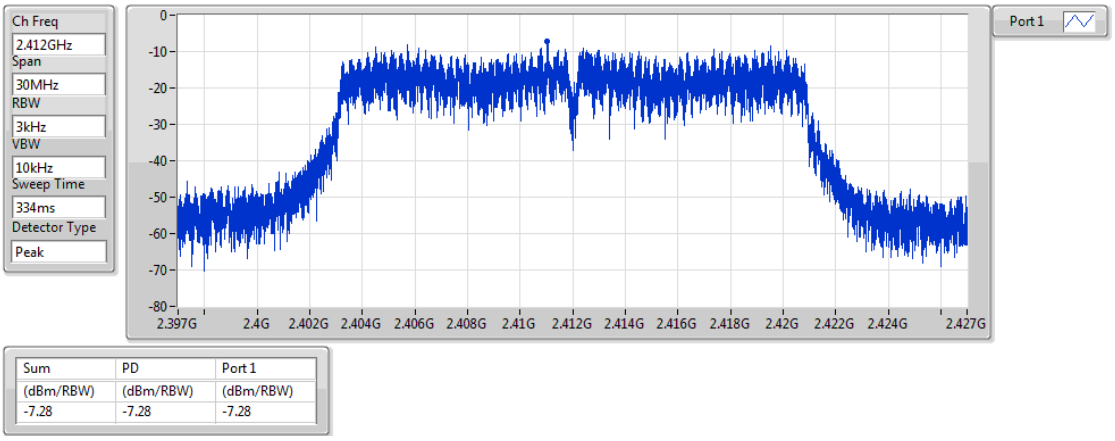
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.07	-6.07	-6.07

802.11n HT20_Nss1,(MCS0)_1TX PSD

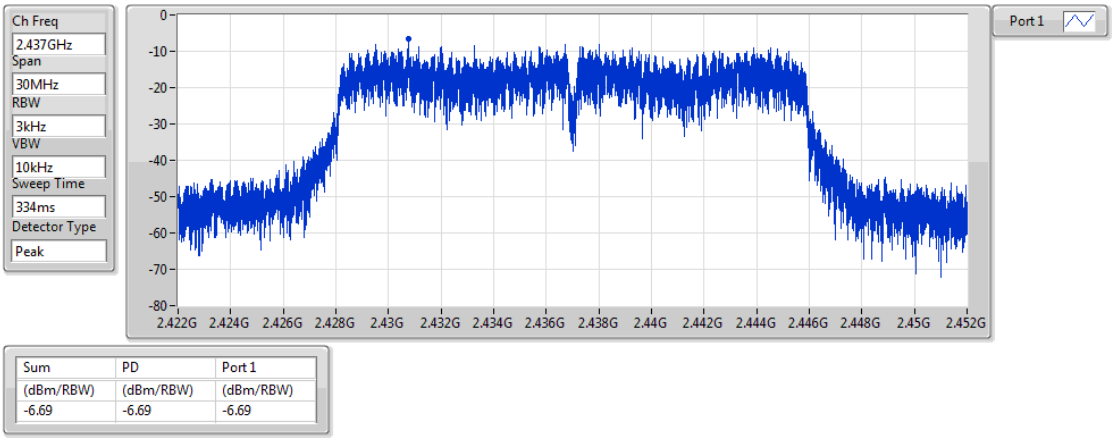
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.28	-7.28	-7.28

802.11n HT20_Nss1,(MCS0)_1TX PSD

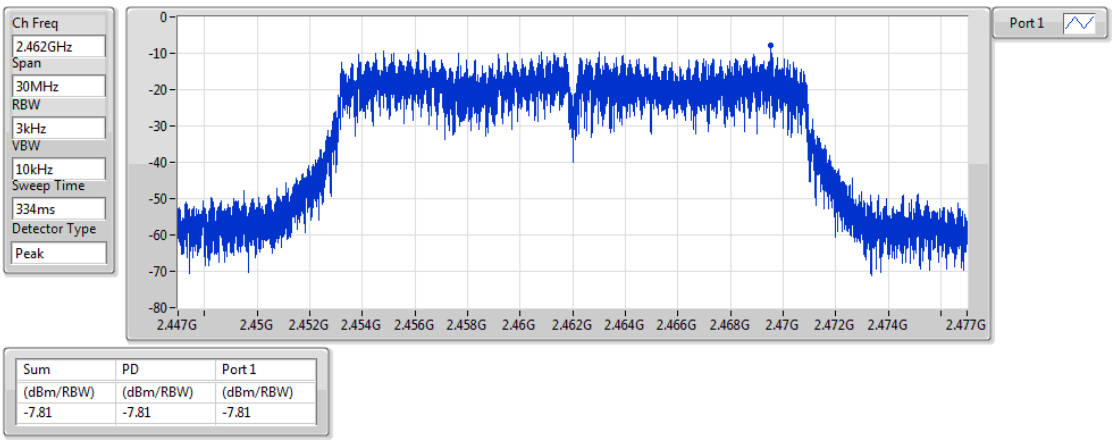
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.69	-6.69	-6.69

802.11n HT20_Nss1,(MCS0)_1TX PSD

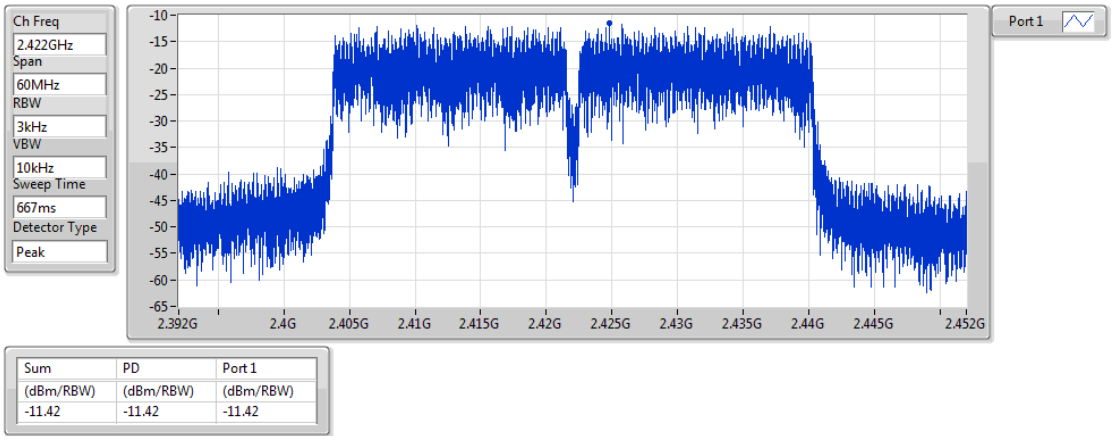
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.81	-7.81	-7.81

802.11n HT40_Nss1,(MCS0)_1TX PSD

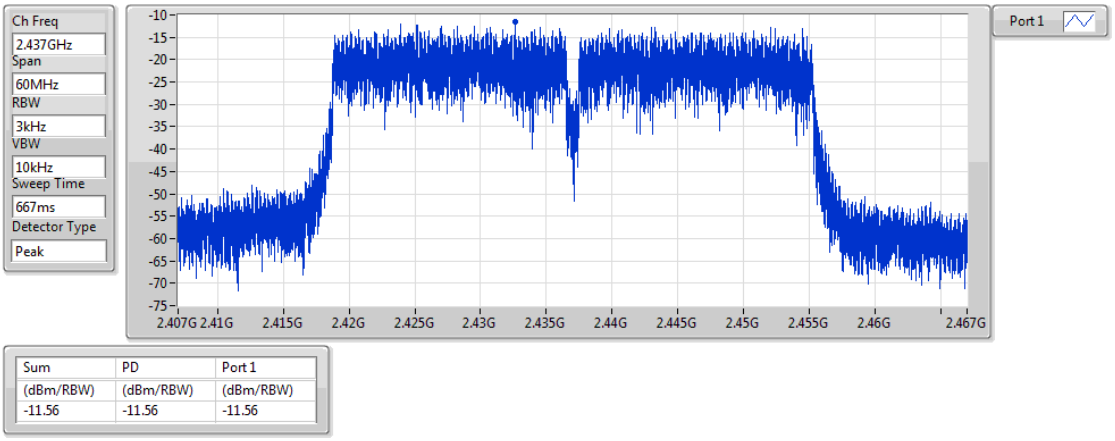
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.42	-11.42	-11.42

802.11n HT40_Nss1,(MCS0)_1TX PSD

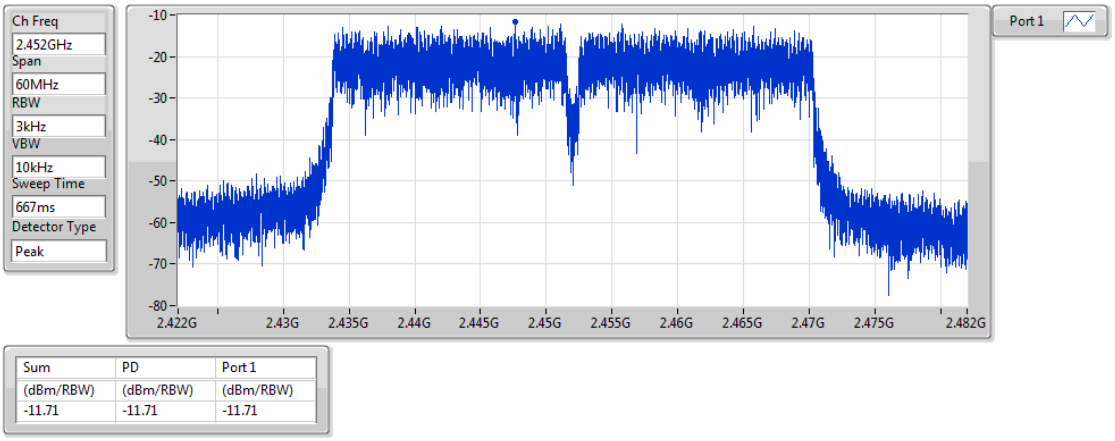
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.56	-11.56	-11.56

802.11n HT40_Nss1,(MCS0)_1TX PSD

2452MHz



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

Summary

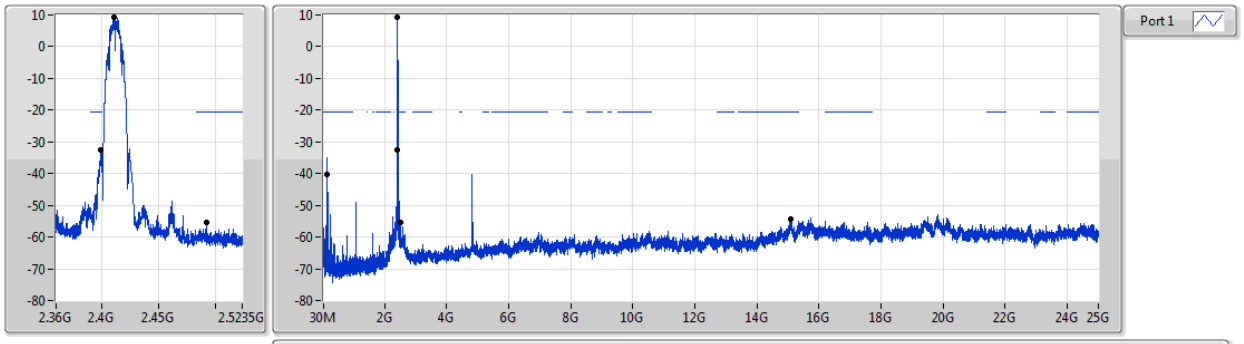
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.410521G	9.45	-20.55	147.665M	-40.43	2.3996G	-32.63	2.49198G	-55.41	15.090673G	-54.48	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.430728G	7.65	-22.35	147.665M	-40.33	2.39832G	-27.26	2.48774G	-55.91	15.04853G	-53.34	1
802.11n HT20_Nss1,(MCS0)_1TX	Pass	2.435738G	7.13	-22.87	147.665M	-40.35	2.39864G	-28.22	2.48446G	-54.37	15.115959G	-54.26	1
802.11n HT40_Nss1,(MCS0)_1TX	Pass	2.425718G	2.83	-27.17	146.79M	-40.39	2.39808G	-32.17	2.4875G	-53.71	16.395602G	-54.44	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.410521G	9.45	-20.55	147.665M	-40.43	2.3996G	-32.63	2.49198G	-55.41	15.090673G	-54.48	1
2437MHz	Pass	2.410521G	9.45	-20.55	147.665M	-40.50	2.3904G	-53.31	2.49702G	-53.77	15.104721G	-54.09	1
2462MHz	Pass	2.410521G	9.45	-20.55	147.665M	-40.51	2.39888G	-56.88	2.48822G	-50.74	15.093483G	-54.77	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	7.65	-22.35	147.665M	-40.33	2.39832G	-27.26	2.48774G	-55.91	15.04853G	-53.34	1
2437MHz	Pass	2.430728G	7.65	-22.35	147.665M	-40.42	2.3968G	-54.67	2.49022G	-49.92	15.085054G	-55.13	1
2462MHz	Pass	2.430728G	7.65	-22.35	147.665M	-40.38	2.39896G	-54.26	2.48382G	-39.10	15.096292G	-55.10	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.435738G	7.13	-22.87	147.665M	-40.35	2.39864G	-28.22	2.48446G	-54.37	15.115959G	-54.26	1
2437MHz	Pass	2.435738G	7.13	-22.87	147.665M	-40.52	2.39976G	-52.86	2.49526G	-50.05	15.124388G	-54.28	1
2462MHz	Pass	2.435738G	7.13	-22.87	147.665M	-40.38	2.39016G	-57.10	2.48358G	-42.05	15.073816G	-55.01	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.425718G	2.83	-27.17	146.79M	-40.39	2.39808G	-32.17	2.4875G	-53.71	16.395602G	-54.44	1
2437MHz	Pass	2.425718G	2.83	-27.17	146.79M	-40.43	2.39968G	-33.18	2.48414G	-45.89	24.784049G	-54.75	1
2452MHz	Pass	2.425718G	2.83	-27.17	146.79M	-40.23	2.39904G	-48.85	2.48398G	-35.93	15.343891G	-53.90	1

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

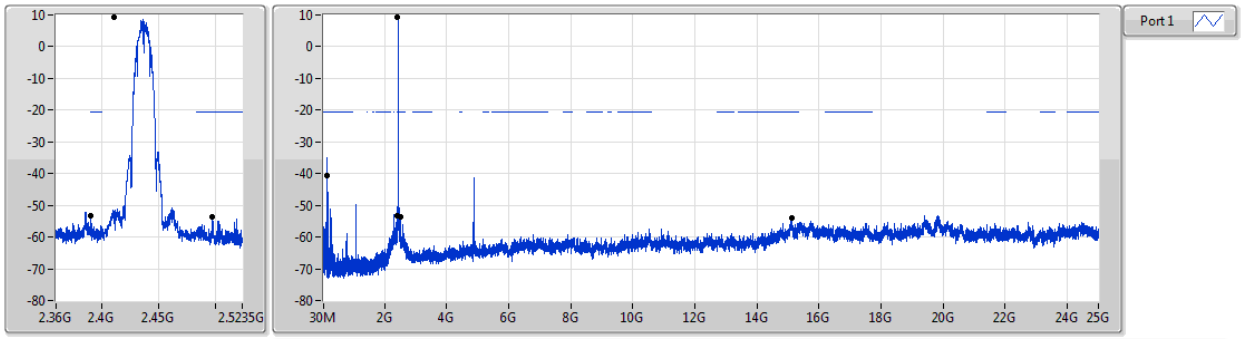
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.410521G	9.45	-20.55	147.665M	-40.43	2.3996G	-32.63	2.49198G	-55.41	15.090673G	-54.48	1

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

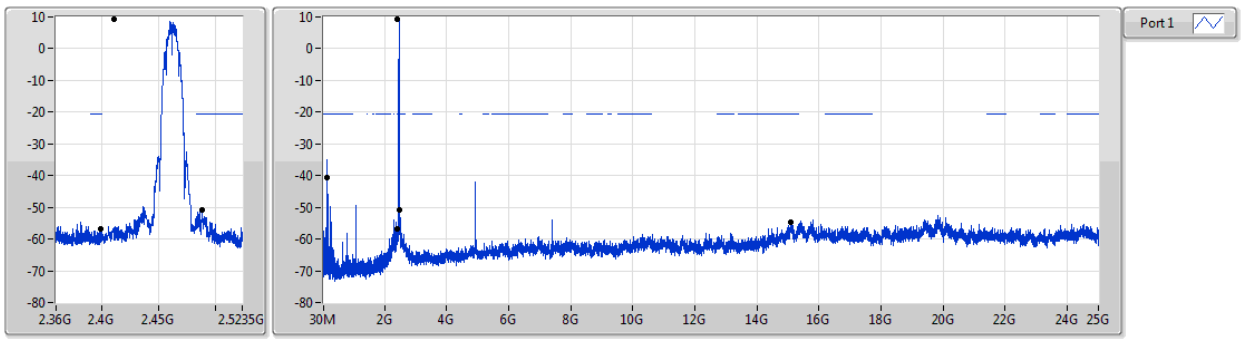
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.410521G	9.45	-20.55	147.665M	-40.50	2.3904G	-53.31	2.49702G	-53.77	15.104721G	-54.09	1

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

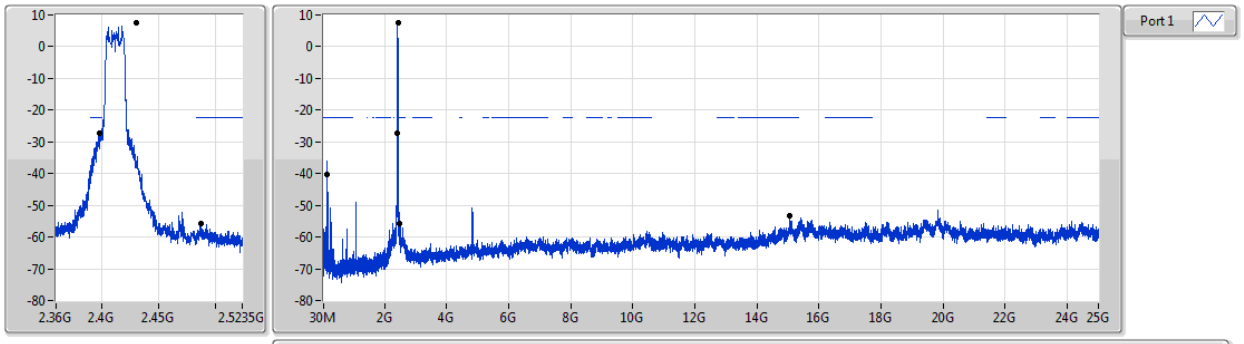
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.410521G	9.45	-20.55	147.665M	-40.51	2.39888G	-56.88	2.48822G	-50.74	15.093483G	-54.77	1

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

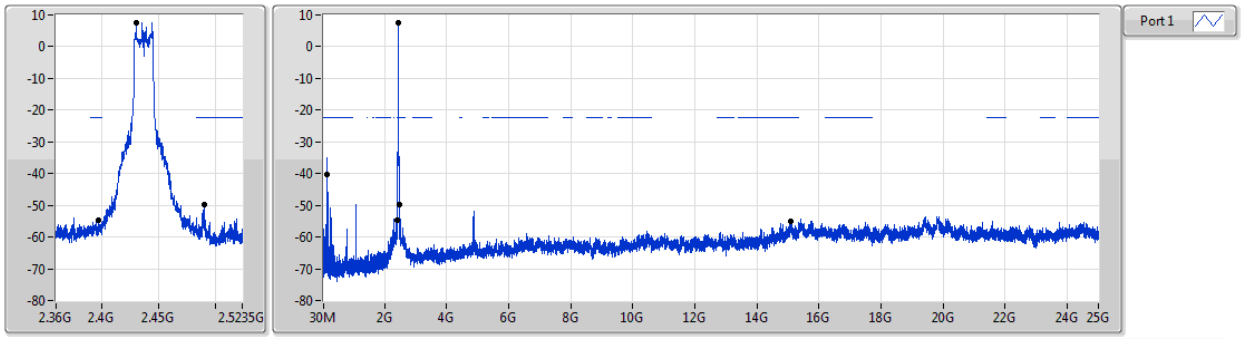
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.65	-22.35	147.665M	-40.33	2.39832G	-27.26	2.48774G	-55.91	15.04853G	-53.34	1

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

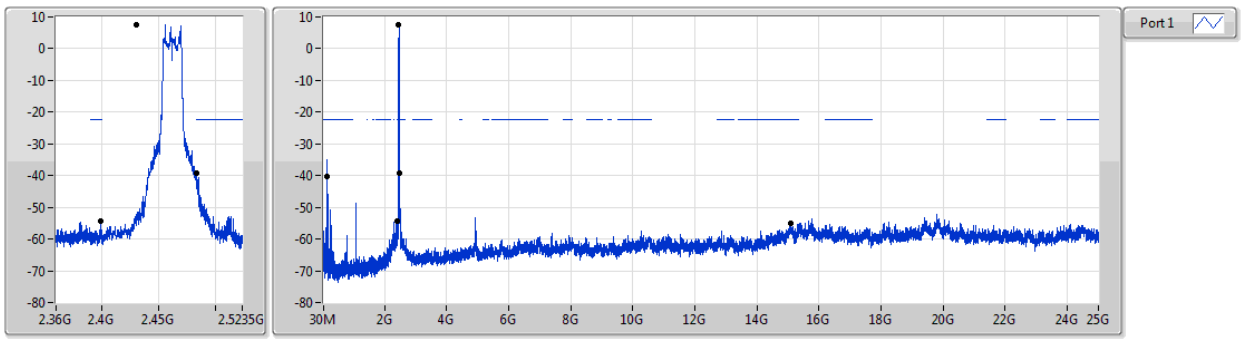
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.65	-22.35	147.665M	-40.42	2.3968G	-54.67	2.49022G	-49.92	15.085054G	-55.13	1

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

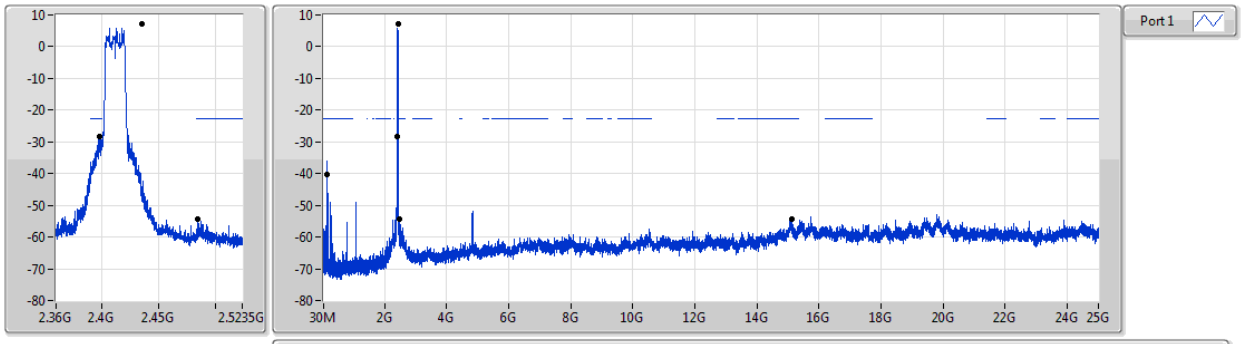
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430728G	7.65	-22.35	147.665M	-40.38	2.39896G	-54.26	2.48382G	-39.10	15.096292G	-55.10	1

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

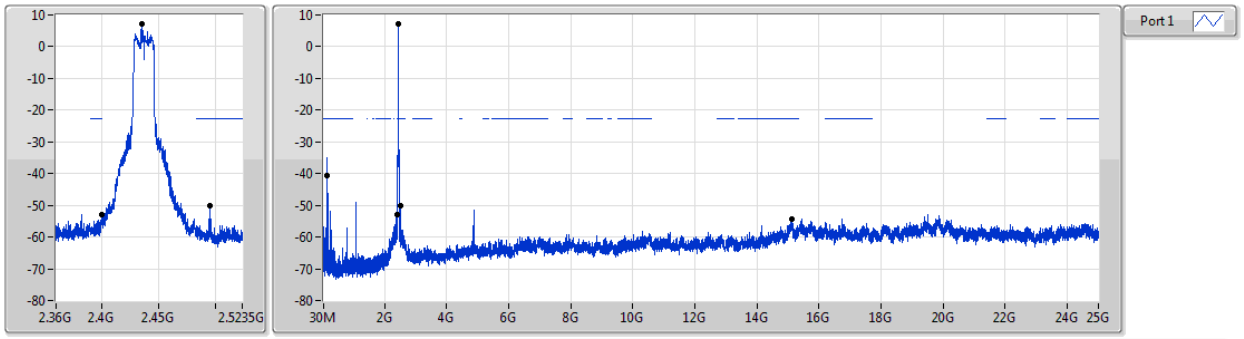
2412MHz



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	7.13	-22.87	147.665M	-40.35	2.39864G	-28.22	2.48446G	-54.37	15.115959G	-54.26	1

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

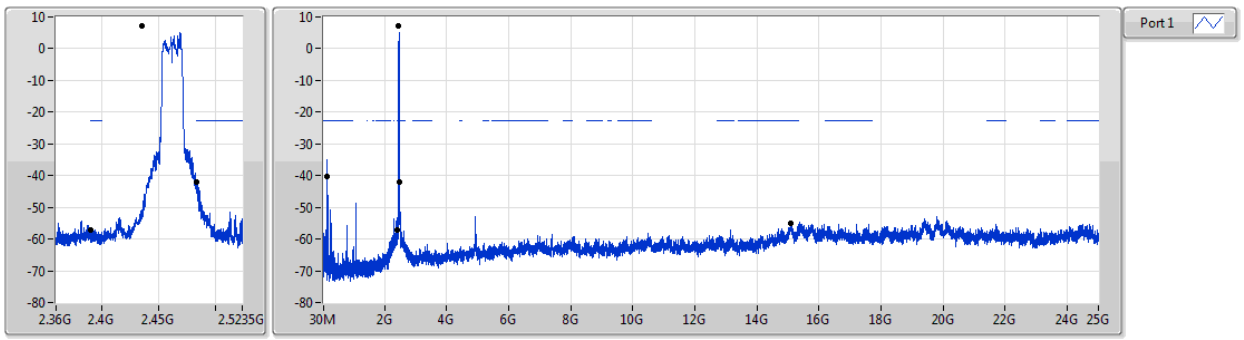
2437MHz



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	7.13	-22.87	147.665M	-40.52	2.39976G	-52.86	2.49526G	-50.05	15.124388G	-54.28	1

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

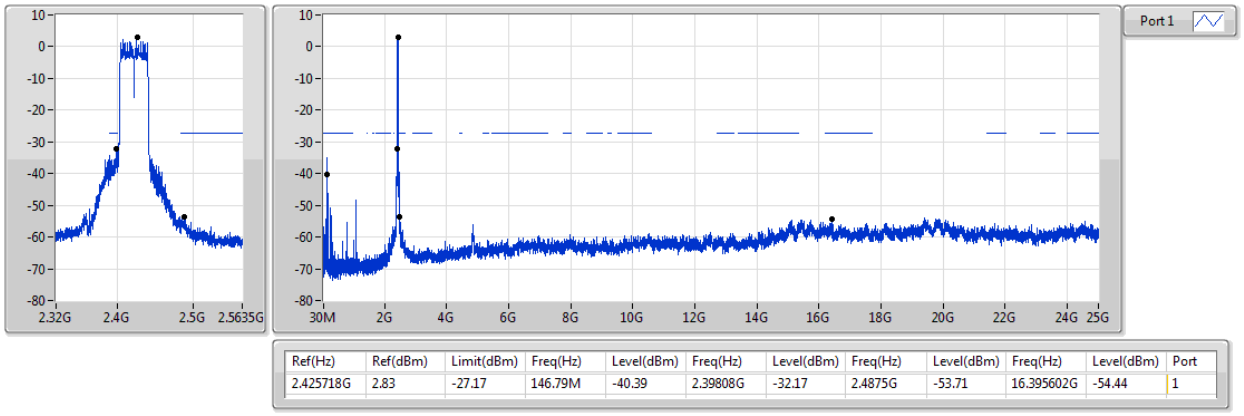
2462MHz



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	7.13	-22.87	147.665M	-40.38	2.39016G	-57.10	2.48358G	-42.05	15.073816G	-55.01	1

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

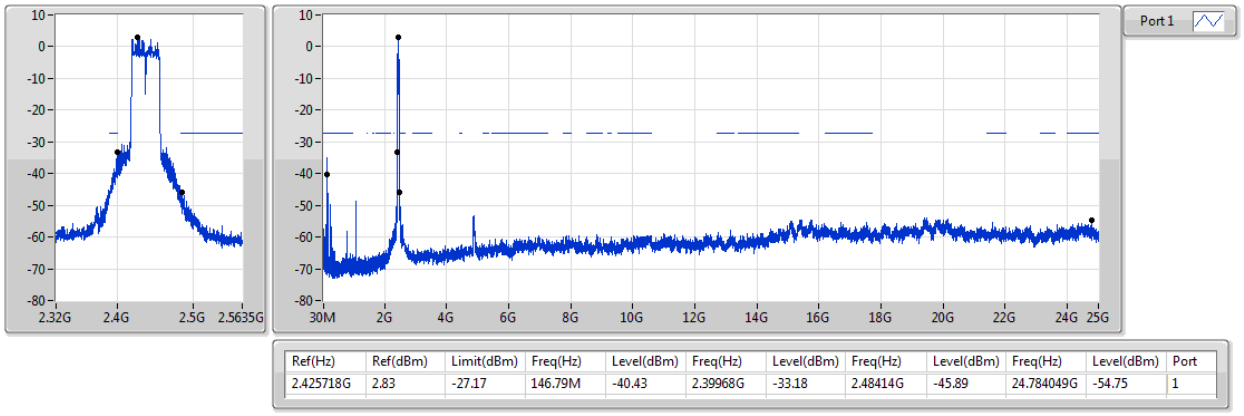
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425718G	2.83	-27.17	146.79M	-40.39	2.39808G	-32.17	2.4875G	-53.71	16.395602G	-54.44	1

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

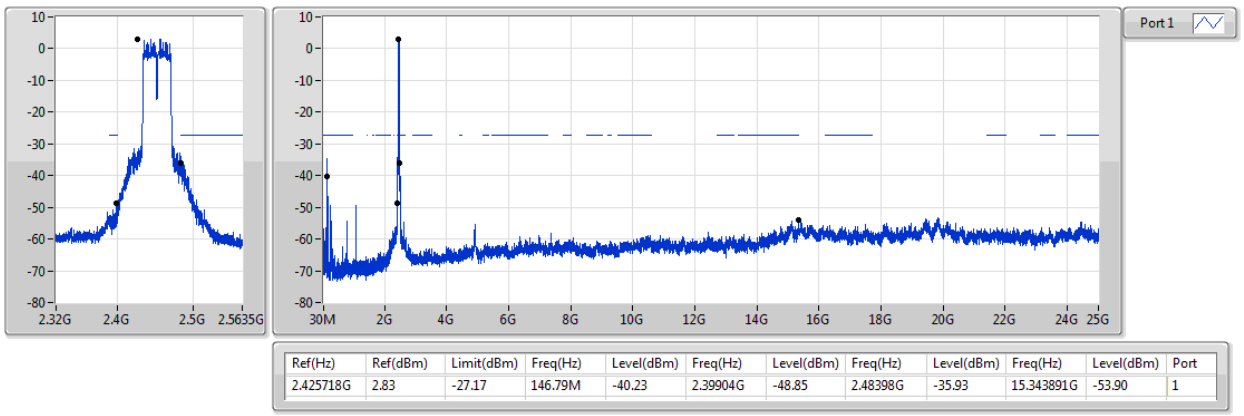
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425718G	2.83	-27.17	146.79M	-40.43	2.39968G	-33.18	2.48414G	-45.89	24.784049G	-54.75	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
2.425718G	2.83	-27.17	146.79M	-40.23	2.39904G	-48.85	2.48398G	-35.93	15.343891G	-53.90	1

Summary

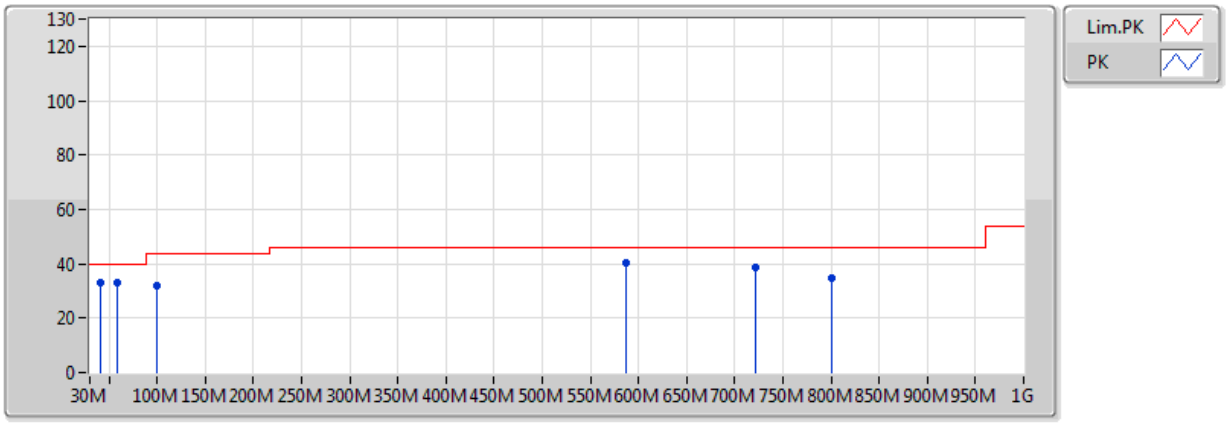
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	PK	896.21M	42.76	46.00	-3.24	3.02	3	Horizontal	0	1.00	-

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 HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	30M	31.04	40.00	-8.96	-3.69	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	61.04M	22.65	40.00	-17.35	-14.90	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	77.53M	23.99	40.00	-16.01	-14.74	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	487.84M	38.13	46.00	-7.87	-2.60	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	721.61M	38.43	46.00	-7.57	0.30	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	896.21M	42.76	46.00	-3.24	3.02	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	41.64M	32.95	40.00	-7.05	-9.90	3	Vertical	360	1.00	-
2437MHz	Pass	PK	59.1M	33.19	40.00	-6.81	-14.84	3	Vertical	360	1.00	-
2437MHz	Pass	PK	98.87M	31.67	43.50	-11.83	-10.48	3	Vertical	360	1.00	-
2437MHz	Pass	PK	587.75M	40.18	46.00	-5.82	-1.30	3	Vertical	360	1.00	-
2437MHz	Pass	PK	721.61M	38.51	46.00	-7.49	0.30	3	Vertical	360	1.00	-
2437MHz	Pass	PK	800.18M	34.69	46.00	-11.31	1.27	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Adapter

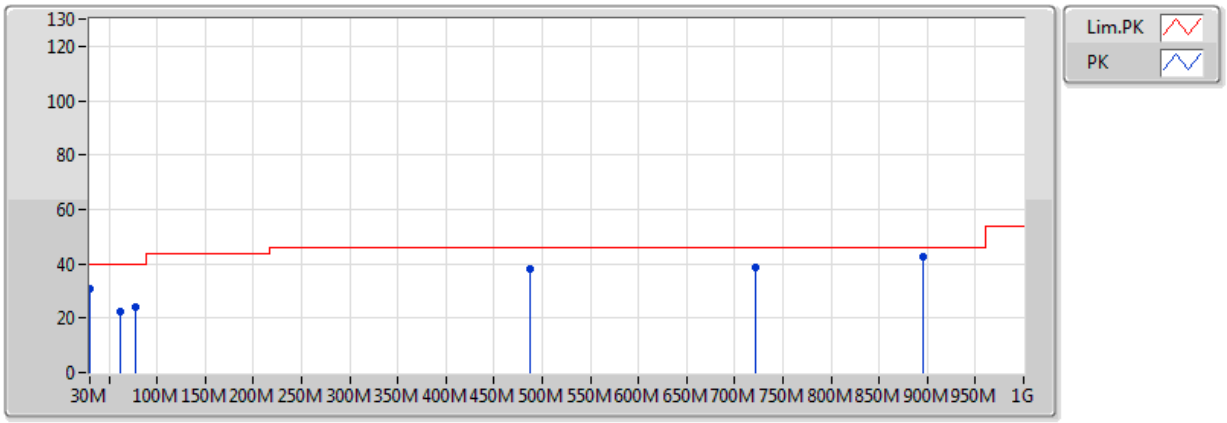


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	32.95	40.00	-7.05	-9.90	3	Vertical	360	1.00	-	42.85	16.84	0.94	27.68
PK	59.1M	33.19	40.00	-6.81	-14.84	3	Vertical	360	1.00	-	48.03	11.57	1.19	27.60
PK	98.87M	31.67	43.50	-11.83	-10.48	3	Vertical	360	1.00	-	42.15	15.88	1.44	27.80
PK	587.75M	40.18	46.00	-5.82	-1.30	3	Vertical	360	1.00	-	41.48	23.60	3.65	28.55
PK	721.61M	38.51	46.00	-7.49	0.30	3	Vertical	360	1.00	-	38.21	24.49	4.13	28.32
PK	800.18M	34.69	46.00	-11.31	1.27	3	Vertical	360	1.00	-	33.42	24.97	4.37	28.07

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Adapter



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	30M	31.04	40.00	-8.96	-3.69	3	Horizontal	0	1.00	-	34.73	23.48	0.68	27.85
PK	61.04M	22.65	40.00	-17.35	-14.90	3	Horizontal	0	1.00	-	37.55	11.48	1.23	27.61
PK	77.53M	23.99	40.00	-16.01	-14.74	3	Horizontal	0	1.00	-	38.73	11.71	1.25	27.70
PK	487.84M	38.13	46.00	-7.87	-2.60	3	Horizontal	0	1.00	-	40.73	22.47	3.35	28.43
PK	721.61M	38.43	46.00	-7.57	0.30	3	Horizontal	0	1.00	-	38.13	24.49	4.13	28.32
PK	896.21M	42.76	46.00	-3.24	3.02	3	Horizontal	0	1.00	-	39.74	25.52	5.17	27.68

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	4.924029G	52.98	54.00	-1.02	2.41	3	Horizontal	221	1.94	-
802.11g_Nss1,(6Mbps)_1TX	Pass	AV	2.389998G	52.83	54.00	-1.17	30.93	3	Horizontal	357	1.26	-
802.11n HT20_Nss1,(MCS0)_1TX	Pass	AV	2.389998G	52.61	54.00	-1.39	30.93	3	Horizontal	357	1.27	-
802.11n HT40_Nss1,(MCS0)_1TX	Pass	AV	2.39G	53.40	54.00	-0.60	30.93	3	Horizontal	15	1.49	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.386203G	51.77	54.00	-2.23	30.92	3	Horizontal	359	1.22	-
2412MHz	Pass	AV	2.412725G	107.82	Inf	-Inf	31.02	3	Horizontal	359	1.22	-
2412MHz	Pass	PK	2.387072G	61.22	74.00	-12.78	30.92	3	Horizontal	359	1.22	-
2412MHz	Pass	PK	2.411855G	110.54	Inf	-Inf	31.01	3	Horizontal	359	1.22	-
2412MHz	Pass	AV	2.385913G	46.99	54.00	-7.01	30.92	3	Vertical	60	1.82	-
2412MHz	Pass	AV	2.412725G	98.39	Inf	-Inf	31.02	3	Vertical	60	1.82	-
2412MHz	Pass	PK	2.381275G	58.77	74.00	-15.23	30.90	3	Vertical	60	1.82	-
2412MHz	Pass	PK	2.413014G	100.90	Inf	-Inf	31.02	3	Vertical	60	1.82	-
2412MHz	Pass	AV	4.824051G	52.75	54.00	-1.25	2.10	3	Horizontal	214	1.93	-
2412MHz	Pass	PK	4.824051G	54.92	74.00	-19.08	2.10	3	Horizontal	214	1.93	-
2412MHz	Pass	AV	4.824043G	45.36	54.00	-8.64	2.10	3	Vertical	160	1.50	-
2412MHz	Pass	PK	4.824058G	49.44	74.00	-24.56	2.10	3	Vertical	160	1.50	-
2437MHz	Pass	AV	2.389174G	46.35	54.00	-7.65	30.93	3	Horizontal	350	1.50	-
2437MHz	Pass	AV	2.43642G	108.32	Inf	-Inf	31.10	3	Horizontal	350	1.50	-
2437MHz	Pass	AV	2.483957G	46.43	54.00	-7.57	31.27	3	Horizontal	350	1.50	-
2437MHz	Pass	PK	2.369174G	58.23	74.00	-15.77	30.86	3	Horizontal	350	1.50	-
2437MHz	Pass	PK	2.43671G	110.98	Inf	-Inf	31.10	3	Horizontal	350	1.50	-
2437MHz	Pass	PK	2.486855G	58.29	74.00	-15.71	31.28	3	Horizontal	350	1.50	-
2437MHz	Pass	AV	2.389174G	45.30	54.00	-8.70	30.93	3	Vertical	93	1.15	-
2437MHz	Pass	AV	2.43642G	103.19	Inf	-Inf	31.10	3	Vertical	93	1.15	-
2437MHz	Pass	AV	2.484536G	46.10	54.00	-7.90	31.27	3	Vertical	93	1.15	-
2437MHz	Pass	PK	2.375261G	58.84	74.00	-15.16	30.88	3	Vertical	93	1.15	-
2437MHz	Pass	PK	2.437G	105.91	Inf	-Inf	31.10	3	Vertical	93	1.15	-
2437MHz	Pass	PK	2.499609G	58.49	74.00	-15.51	31.33	3	Vertical	93	1.15	-
2437MHz	Pass	AV	4.874043G	52.84	54.00	-1.16	2.26	3	Horizontal	227	1.90	-
2437MHz	Pass	AV	7.310305G	48.49	54.00	-5.51	7.46	3	Horizontal	252	1.88	-
2437MHz	Pass	PK	4.874138G	55.07	74.00	-18.93	2.26	3	Horizontal	227	1.90	-
2437MHz	Pass	PK	7.308656G	55.39	74.00	-18.61	7.45	3	Horizontal	252	1.88	-
2437MHz	Pass	AV	4.874043G	52.28	54.00	-1.72	2.26	3	Vertical	192	1.87	-
2437MHz	Pass	AV	7.310305G	45.71	54.00	-8.29	7.46	3	Vertical	331	1.29	-
2437MHz	Pass	PK	4.87408G	54.77	74.00	-19.23	2.26	3	Vertical	192	1.87	-
2437MHz	Pass	PK	7.31074G	53.87	74.00	-20.13	7.46	3	Vertical	331	1.29	-
2462MHz	Pass	AV	2.461275G	104.14	Inf	-Inf	31.19	3	Horizontal	205	1.54	-
2462MHz	Pass	AV	2.487797G	52.23	54.00	-1.77	31.29	3	Horizontal	205	1.54	-
2462MHz	Pass	PK	2.462G	107.14	Inf	-Inf	31.19	3	Horizontal	205	1.54	-
2462MHz	Pass	PK	2.488957G	62.44	74.00	-11.56	31.29	3	Horizontal	205	1.54	-
2462MHz	Pass	AV	2.46287G	97.42	Inf	-Inf	31.20	3	Vertical	254	2.47	-
2462MHz	Pass	AV	2.487797G	47.32	54.00	-6.68	31.29	3	Vertical	254	2.47	-
2462MHz	Pass	PK	2.461855G	100.14	Inf	-Inf	31.19	3	Vertical	254	2.47	-
2462MHz	Pass	PK	2.491855G	59.97	74.00	-14.03	31.30	3	Vertical	254	2.47	-
2462MHz	Pass	AV	4.924029G	52.98	54.00	-1.02	2.41	3	Horizontal	221	1.94	-
2462MHz	Pass	PK	4.924007G	55.58	74.00	-18.42	2.41	3	Horizontal	221	1.94	-
2462MHz	Pass	AV	4.924051G	49.40	54.00	-4.60	2.41	3	Vertical	191	1.53	-
2462MHz	Pass	PK	4.924G	52.74	74.00	-21.26	2.41	3	Vertical	191	1.53	-
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	52.83	54.00	-1.17	30.93	3	Horizontal	357	1.26	-
2412MHz	Pass	AV	2.405043G	99.36	Inf	-Inf	30.99	3	Horizontal	357	1.26	-

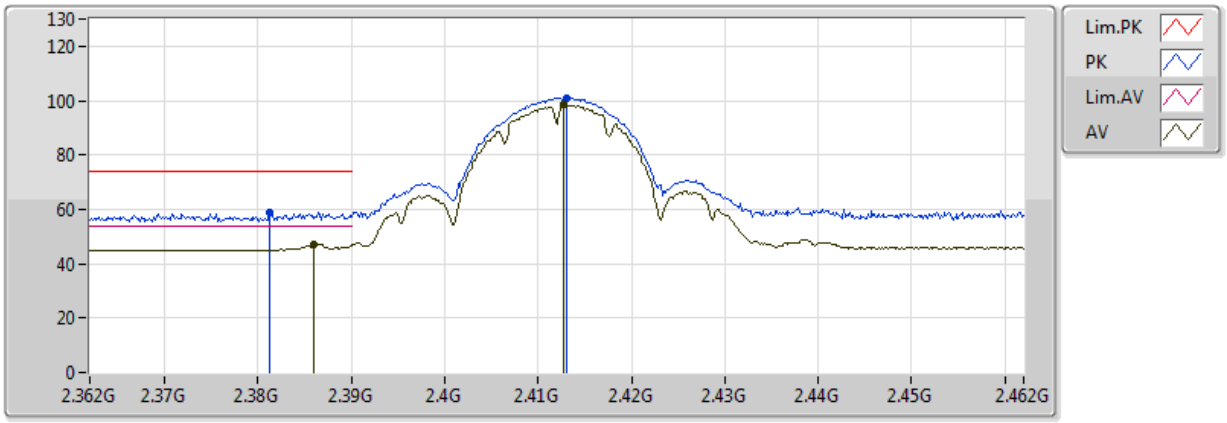
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.389826G	71.28	74.00	-2.72	30.93	3	Horizontal	357	1.26	-
2412MHz	Pass	PK	2.405623G	108.57	Inf	-Inf	30.99	3	Horizontal	357	1.26	-
2412MHz	Pass	AV	2.389998G	49.20	54.00	-4.80	30.93	3	Vertical	73	1.01	-
2412MHz	Pass	AV	2.418957G	94.03	Inf	-Inf	31.04	3	Vertical	73	1.01	-
2412MHz	Pass	PK	2.389826G	66.28	74.00	-7.72	30.93	3	Vertical	73	1.01	-
2412MHz	Pass	PK	2.418667G	103.53	Inf	-Inf	31.04	3	Vertical	73	1.01	-
2412MHz	Pass	AV	4.822958G	39.73	54.00	-14.27	2.10	3	Horizontal	214	1.91	-
2412MHz	Pass	PK	4.821916G	53.47	74.00	-20.53	2.10	3	Horizontal	214	1.91	-
2412MHz	Pass	AV	4.823088G	34.88	54.00	-19.12	2.10	3	Vertical	162	1.42	-
2412MHz	Pass	PK	4.823175G	47.88	74.00	-26.12	2.10	3	Vertical	162	1.42	-
2437MHz	Pass	AV	2.388884G	48.35	54.00	-5.65	30.93	3	Horizontal	355	1.49	-
2437MHz	Pass	AV	2.43642G	103.71	Inf	-Inf	31.10	3	Horizontal	355	1.49	-
2437MHz	Pass	AV	2.484246G	48.76	54.00	-5.24	31.27	3	Horizontal	355	1.49	-
2437MHz	Pass	PK	2.388304G	62.64	74.00	-11.36	30.93	3	Horizontal	355	1.49	-
2437MHz	Pass	PK	2.435551G	112.81	Inf	-Inf	31.10	3	Horizontal	355	1.49	-
2437MHz	Pass	PK	2.483502G	62.08	74.00	-11.92	31.27	3	Horizontal	355	1.49	-
2437MHz	Pass	AV	2.389998G	46.64	54.00	-7.36	30.93	3	Vertical	76	1.15	-
2437MHz	Pass	AV	2.43642G	98.78	Inf	-Inf	31.10	3	Vertical	76	1.15	-
2437MHz	Pass	AV	2.485116G	47.06	54.00	-6.94	31.28	3	Vertical	76	1.15	-
2437MHz	Pass	PK	2.388594G	59.58	74.00	-14.42	30.93	3	Vertical	76	1.15	-
2437MHz	Pass	PK	2.435551G	108.14	Inf	-Inf	31.10	3	Vertical	76	1.15	-
2437MHz	Pass	PK	2.493232G	59.10	74.00	-14.90	31.31	3	Vertical	76	1.15	-
2437MHz	Pass	AV	4.872784G	45.58	54.00	-8.42	2.26	3	Horizontal	153	1.67	-
2437MHz	Pass	PK	4.876214G	59.36	74.00	-14.64	2.27	3	Horizontal	153	1.67	-
2437MHz	Pass	AV	4.877343G	44.54	54.00	-9.46	2.27	3	Vertical	184	1.63	-
2437MHz	Pass	PK	4.876388G	58.73	74.00	-15.27	2.27	3	Vertical	184	1.63	-
2462MHz	Pass	AV	2.455043G	97.11	Inf	-Inf	31.17	3	Horizontal	203	1.54	-
2462MHz	Pass	AV	2.483502G	52.06	54.00	-1.94	31.27	3	Horizontal	203	1.54	-
2462MHz	Pass	PK	2.455623G	106.36	Inf	-Inf	31.17	3	Horizontal	203	1.54	-
2462MHz	Pass	PK	2.483502G	69.52	74.00	-4.48	31.27	3	Horizontal	203	1.54	-
2462MHz	Pass	AV	2.455043G	92.64	Inf	-Inf	31.17	3	Vertical	77	1.04	-
2462MHz	Pass	AV	2.483502G	49.83	54.00	-4.17	31.27	3	Vertical	77	1.04	-
2462MHz	Pass	PK	2.455623G	101.86	Inf	-Inf	31.17	3	Vertical	77	1.04	-
2462MHz	Pass	PK	2.483502G	66.38	74.00	-7.62	31.27	3	Vertical	77	1.04	-
2462MHz	Pass	AV	4.924825G	39.83	54.00	-14.17	2.42	3	Horizontal	214	1.93	-
2462MHz	Pass	PK	4.924955G	54.03	74.00	-19.97	2.42	3	Horizontal	214	1.93	-
2462MHz	Pass	AV	4.923913G	37.22	54.00	-16.78	2.41	3	Vertical	184	1.52	-
2462MHz	Pass	PK	4.925606G	51.31	74.00	-22.69	2.42	3	Vertical	184	1.52	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.389998G	52.61	54.00	-1.39	30.93	3	Horizontal	357	1.27	-
2412MHz	Pass	AV	2.405043G	98.28	Inf	-Inf	30.99	3	Horizontal	357	1.27	-
2412MHz	Pass	PK	2.389998G	70.67	74.00	-3.33	30.93	3	Horizontal	357	1.27	-
2412MHz	Pass	PK	2.405333G	108.91	Inf	-Inf	30.99	3	Horizontal	357	1.27	-
2412MHz	Pass	AV	2.389998G	48.71	54.00	-5.29	30.93	3	Vertical	73	1.01	-
2412MHz	Pass	AV	2.41258G	92.86	Inf	-Inf	31.02	3	Vertical	73	1.01	-
2412MHz	Pass	PK	2.389998G	65.75	74.00	-8.25	30.93	3	Vertical	73	1.01	-
2412MHz	Pass	PK	2.418667G	102.90	Inf	-Inf	31.04	3	Vertical	73	1.01	-
2412MHz	Pass	AV	4.824391G	38.03	54.00	-15.97	2.11	3	Horizontal	215	1.86	-
2412MHz	Pass	PK	4.823088G	51.33	74.00	-22.67	2.10	3	Horizontal	215	1.86	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.824564G	33.86	54.00	-20.14	2.11	3	Vertical	162	1.47	-
2412MHz	Pass	PK	4.824695G	46.71	74.00	-27.29	2.11	3	Vertical	162	1.47	-
2437MHz	Pass	AV	2.389998G	49.31	54.00	-4.69	30.93	3	Horizontal	358	1.47	-
2437MHz	Pass	AV	2.43613G	103.53	Inf	-Inf	31.10	3	Horizontal	358	1.47	-
2437MHz	Pass	AV	2.483502G	49.01	54.00	-4.99	31.27	3	Horizontal	358	1.47	-
2437MHz	Pass	PK	2.388014G	63.39	74.00	-10.61	30.93	3	Horizontal	358	1.47	-
2437MHz	Pass	PK	2.430333G	113.82	Inf	-Inf	31.08	3	Horizontal	358	1.47	-
2437MHz	Pass	PK	2.483502G	61.85	74.00	-12.15	31.27	3	Horizontal	358	1.47	-
2437MHz	Pass	AV	2.388594G	47.16	54.00	-6.84	30.93	3	Vertical	78	1.14	-
2437MHz	Pass	AV	2.43613G	97.79	Inf	-Inf	31.10	3	Vertical	78	1.14	-
2437MHz	Pass	AV	2.491203G	47.12	54.00	-6.88	31.30	3	Vertical	78	1.14	-
2437MHz	Pass	PK	2.377G	59.16	74.00	-14.84	30.89	3	Vertical	78	1.14	-
2437MHz	Pass	PK	2.43613G	107.30	Inf	-Inf	31.10	3	Vertical	78	1.14	-
2437MHz	Pass	PK	2.491783G	59.07	74.00	-14.93	31.30	3	Vertical	78	1.14	-
2437MHz	Pass	AV	4.874174G	46.14	54.00	-7.86	2.26	3	Horizontal	154	1.65	-
2437MHz	Pass	PK	4.872871G	59.36	74.00	-14.64	2.26	3	Horizontal	154	1.65	-
2437MHz	Pass	AV	4.87413G	44.68	54.00	-9.32	2.26	3	Vertical	183	1.97	-
2437MHz	Pass	PK	4.873392G	57.86	74.00	-16.14	2.26	3	Vertical	183	1.97	-
2462MHz	Pass	AV	2.455043G	96.96	Inf	-Inf	31.17	3	Horizontal	205	1.21	-
2462MHz	Pass	AV	2.483502G	52.16	54.00	-1.84	31.27	3	Horizontal	205	1.21	-
2462MHz	Pass	PK	2.455333G	107.60	Inf	-Inf	31.17	3	Horizontal	205	1.21	-
2462MHz	Pass	PK	2.483739G	68.18	74.00	-5.82	31.27	3	Horizontal	205	1.21	-
2462MHz	Pass	AV	2.455043G	92.56	Inf	-Inf	31.17	3	Vertical	77	1.04	-
2462MHz	Pass	AV	2.483502G	51.83	54.00	-2.17	31.27	3	Vertical	77	1.04	-
2462MHz	Pass	PK	2.455333G	103.17	Inf	-Inf	31.17	3	Vertical	77	1.04	-
2462MHz	Pass	PK	2.483594G	67.86	74.00	-6.14	31.27	3	Vertical	77	1.04	-
2462MHz	Pass	AV	4.92413G	41.33	54.00	-12.67	2.41	3	Horizontal	213	1.93	-
2462MHz	Pass	PK	4.922741G	54.91	74.00	-19.09	2.41	3	Horizontal	213	1.93	-
2462MHz	Pass	AV	4.924347G	38.08	54.00	-15.92	2.42	3	Vertical	184	1.66	-
2462MHz	Pass	PK	4.923392G	51.40	74.00	-22.60	2.41	3	Vertical	184	1.66	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.40	54.00	-0.60	30.93	3	Horizontal	15	1.49	-
2422MHz	Pass	AV	2.41G	94.20	Inf	-Inf	31.01	3	Horizontal	15	1.49	-
2422MHz	Pass	AV	2.4876G	45.39	54.00	-8.61	31.29	3	Horizontal	15	1.49	-
2422MHz	Pass	PK	2.3896G	72.07	74.00	-1.93	30.93	3	Horizontal	15	1.49	-
2422MHz	Pass	PK	2.4072G	104.90	Inf	-Inf	31.00	3	Horizontal	15	1.49	-
2422MHz	Pass	PK	2.4892G	57.80	74.00	-16.20	31.29	3	Horizontal	15	1.49	-
2422MHz	Pass	AV	2.3896G	48.16	54.00	-5.84	30.93	3	Vertical	103	1.10	-
2422MHz	Pass	AV	2.4096G	88.13	Inf	-Inf	31.00	3	Vertical	103	1.10	-
2422MHz	Pass	AV	2.5G	45.19	54.00	-8.81	31.33	3	Vertical	103	1.10	-
2422MHz	Pass	PK	2.39G	65.22	74.00	-8.78	30.93	3	Vertical	103	1.10	-
2422MHz	Pass	PK	2.4076G	98.35	Inf	-Inf	31.00	3	Vertical	103	1.10	-
2422MHz	Pass	PK	2.4988G	56.66	74.00	-17.34	31.33	3	Vertical	103	1.10	-
2422MHz	Pass	AV	4.8389G	32.83	54.00	-21.17	2.15	3	Horizontal	103	1.91	-
2422MHz	Pass	PK	4.84388G	46.59	74.00	-27.41	2.17	3	Horizontal	103	1.91	-
2422MHz	Pass	AV	4.83542G	35.97	54.00	-18.03	2.14	3	Vertical	183	2.35	-
2422MHz	Pass	PK	4.84286G	49.12	74.00	-24.88	2.16	3	Vertical	183	2.35	-
2437MHz	Pass	AV	2.389998G	51.99	54.00	-2.01	30.93	3	Horizontal	356	1.20	-
2437MHz	Pass	AV	2.424536G	95.85	Inf	-Inf	31.06	3	Horizontal	356	1.20	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.483502G	52.77	54.00	-1.23	31.27	3	Horizontal	356	1.20	-
2437MHz	Pass	PK	2.389998G	65.47	74.00	-8.53	30.93	3	Horizontal	356	1.20	-
2437MHz	Pass	PK	2.422507G	106.68	Inf	-Inf	31.05	3	Horizontal	356	1.20	-
2437MHz	Pass	PK	2.483957G	66.61	74.00	-7.39	31.27	3	Horizontal	356	1.20	-
2437MHz	Pass	AV	2.389998G	49.68	54.00	-4.32	30.93	3	Vertical	75	1.00	-
2437MHz	Pass	AV	2.424826G	90.89	Inf	-Inf	31.06	3	Vertical	75	1.00	-
2437MHz	Pass	AV	2.483502G	49.52	54.00	-4.48	31.27	3	Vertical	75	1.00	-
2437MHz	Pass	PK	2.388304G	62.07	74.00	-11.93	30.93	3	Vertical	75	1.00	-
2437MHz	Pass	PK	2.422507G	101.89	Inf	-Inf	31.05	3	Vertical	75	1.00	-
2437MHz	Pass	PK	2.483502G	61.69	74.00	-12.31	31.27	3	Vertical	75	1.00	-
2437MHz	Pass	AV	4.874984G	34.77	54.00	-19.23	2.26	3	Horizontal	214	1.91	-
2437MHz	Pass	PK	4.873711G	48.86	74.00	-25.14	2.26	3	Horizontal	214	1.91	-
2437MHz	Pass	AV	4.88031G	33.46	54.00	-20.54	2.28	3	Vertical	190	2.00	-
2437MHz	Pass	PK	4.878631G	47.56	74.00	-26.44	2.27	3	Vertical	190	2.00	-
2452MHz	Pass	AV	2.389681G	46.67	54.00	-7.33	30.93	3	Horizontal	357	1.39	-
2452MHz	Pass	AV	2.454319G	93.35	Inf	-Inf	31.17	3	Horizontal	357	1.39	-
2452MHz	Pass	AV	2.483884G	52.46	54.00	-1.54	31.27	3	Horizontal	357	1.39	-
2452MHz	Pass	PK	2.363304G	58.74	74.00	-15.26	30.84	3	Horizontal	357	1.39	-
2452MHz	Pass	PK	2.459246G	103.56	Inf	-Inf	31.18	3	Horizontal	357	1.39	-
2452MHz	Pass	PK	2.487362G	70.94	74.00	-3.06	31.28	3	Horizontal	357	1.39	-
2452MHz	Pass	AV	2.385623G	45.91	54.00	-8.09	30.92	3	Vertical	77	1.03	-
2452MHz	Pass	AV	2.449391G	88.06	Inf	-Inf	31.15	3	Vertical	77	1.03	-
2452MHz	Pass	AV	2.483884G	51.69	54.00	-2.31	31.27	3	Vertical	77	1.03	-
2452MHz	Pass	PK	2.388812G	58.10	74.00	-15.90	30.93	3	Vertical	77	1.03	-
2452MHz	Pass	PK	2.437507G	98.13	Inf	-Inf	31.11	3	Vertical	77	1.03	-
2452MHz	Pass	PK	2.483594G	67.54	74.00	-6.46	31.27	3	Vertical	77	1.03	-
2452MHz	Pass	AV	4.921713G	30.91	54.00	-23.09	2.41	3	Horizontal	34	1.70	-
2452MHz	Pass	PK	4.917256G	44.37	74.00	-29.63	2.39	3	Horizontal	34	1.70	-
2452MHz	Pass	AV	4.910425G	32.97	54.00	-21.03	2.37	3	Vertical	182	1.63	-
2452MHz	Pass	PK	4.914362G	47.52	74.00	-26.48	2.38	3	Vertical	182	1.63	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

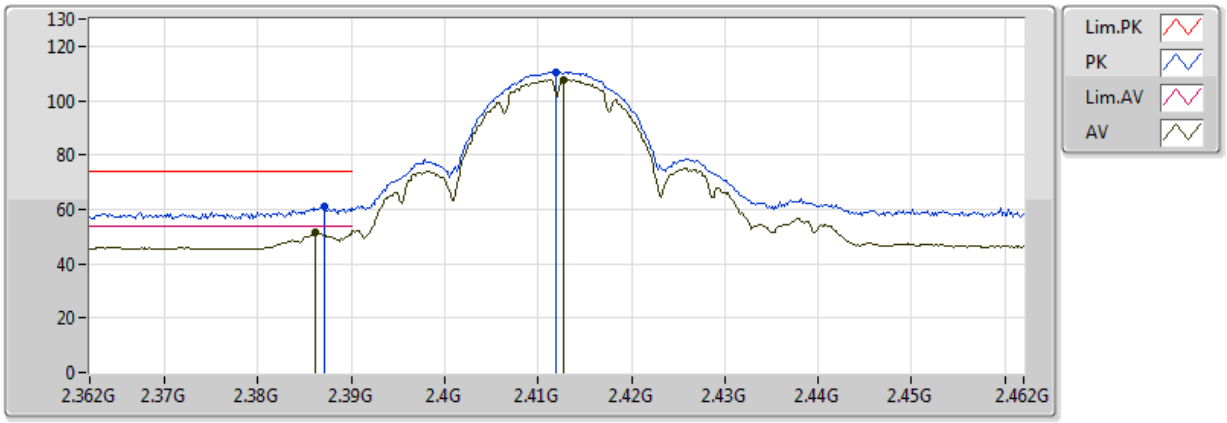


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.385913G	46.99	54.00	-7.01	30.92	3	Vertical	60	1.82	-	16.07	27.30	3.62	-
AV	2.412725G	98.39	Inf	-Inf	31.02	3	Vertical	60	1.82	-	67.37	27.37	3.64	-
PK	2.381275G	58.77	74.00	-15.23	30.90	3	Vertical	60	1.82	-	27.87	27.29	3.61	-
PK	2.413014G	100.90	Inf	-Inf	31.02	3	Vertical	60	1.82	-	69.88	27.37	3.64	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

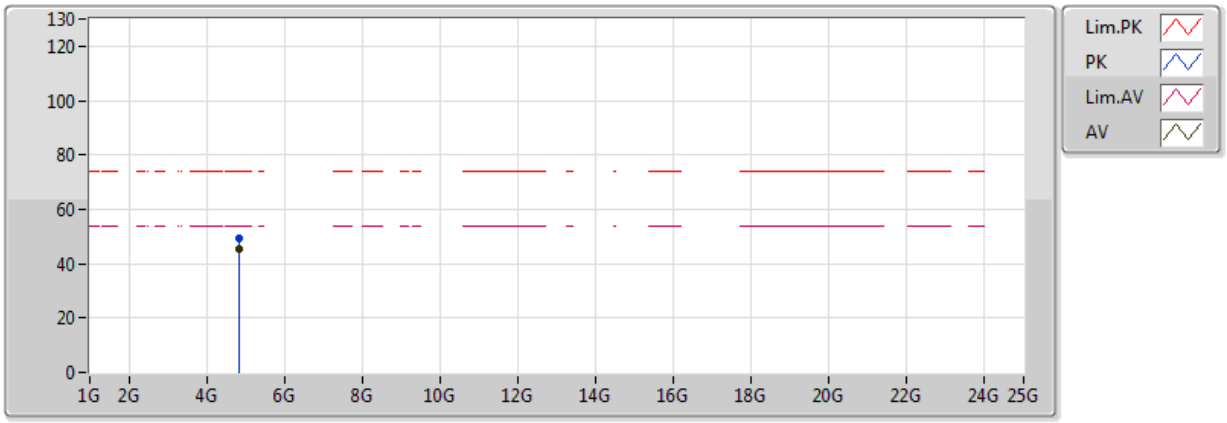


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.386203G	51.77	54.00	-2.23	30.92	3	Horizontal	359	1.22	-	20.85	27.30	3.62	-
AV	2.412725G	107.82	Inf	-Inf	31.02	3	Horizontal	359	1.22	-	76.81	27.37	3.64	-
PK	2.387072G	61.22	74.00	-12.78	30.92	3	Horizontal	359	1.22	-	30.30	27.31	3.62	-
PK	2.411855G	110.54	Inf	-Inf	31.01	3	Horizontal	359	1.22	-	79.52	27.37	3.64	-

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

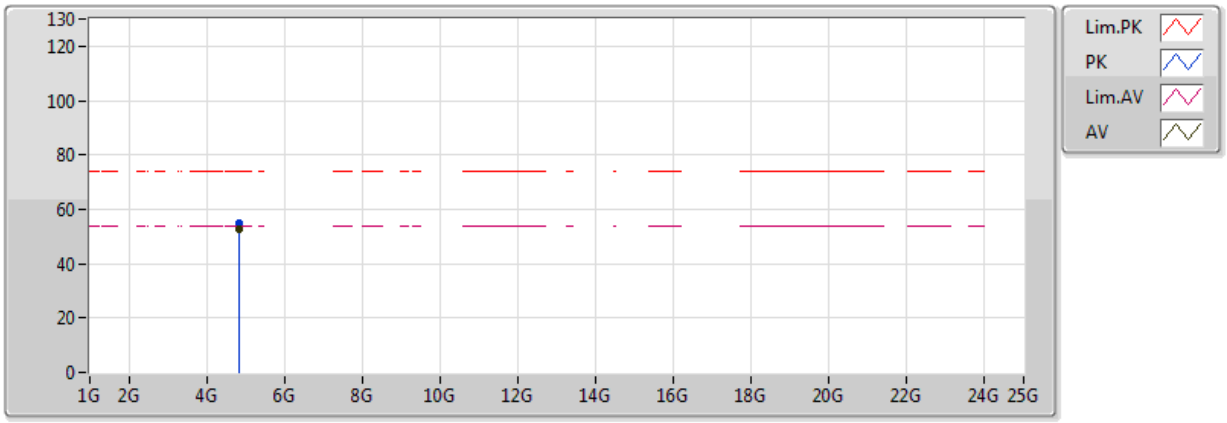


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824043G	45.36	54.00	-8.64	2.10	3	Vertical	160	1.50	-	43.26	31.28	5.41	34.59
PK	4.824058G	49.44	74.00	-24.56	2.10	3	Vertical	160	1.50	-	47.34	31.28	5.41	34.59

802.11b_Nss1,(1Mbps)_1TX

2412MHz_TX

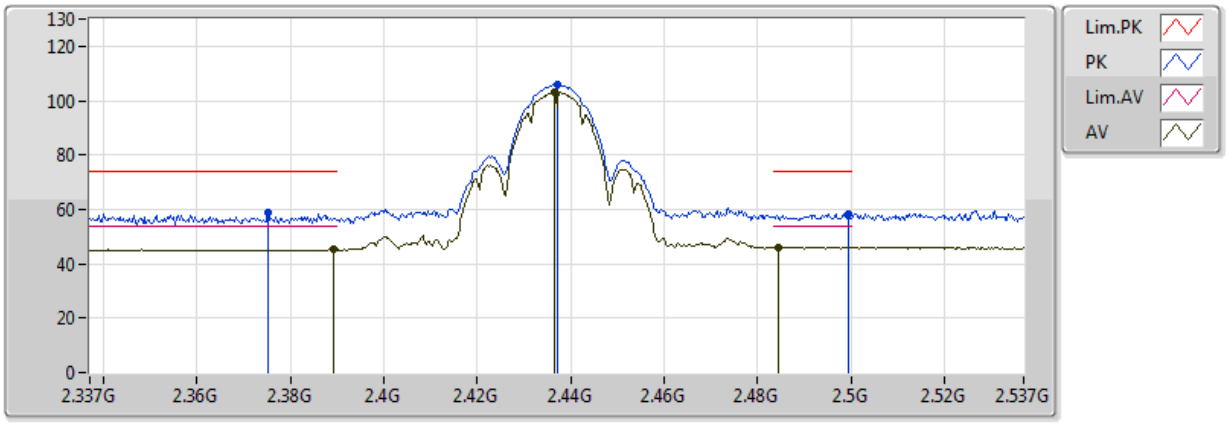


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824051G	52.75	54.00	-1.25	2.10	3	Horizontal	214	1.93	-	50.65	31.28	5.41	34.59
PK	4.824051G	54.92	74.00	-19.08	2.10	3	Horizontal	214	1.93	-	52.82	31.28	5.41	34.59

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

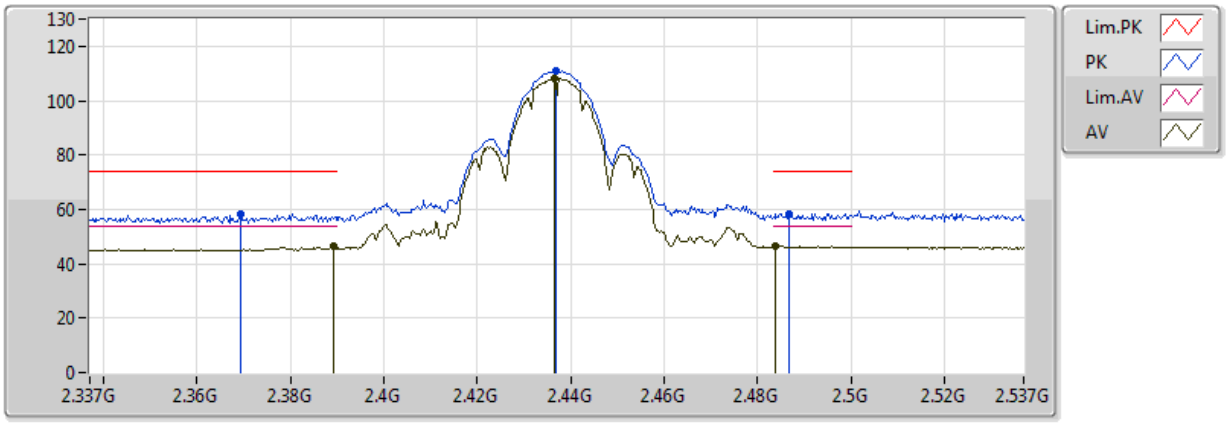


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389174G	45.30	54.00	-8.70	30.93	3	Vertical	93	1.15	-	14.37	27.31	3.62	-
AV	2.43642G	103.19	Inf	-Inf	31.10	3	Vertical	93	1.15	-	72.09	27.43	3.67	-
AV	2.484536G	46.10	54.00	-7.90	31.27	3	Vertical	93	1.15	-	14.82	27.56	3.71	-
PK	2.375261G	58.84	74.00	-15.16	30.88	3	Vertical	93	1.15	-	27.96	27.28	3.61	-
PK	2.437G	105.91	Inf	-Inf	31.10	3	Vertical	93	1.15	-	74.81	27.44	3.67	-
PK	2.499609G	58.49	74.00	-15.51	31.33	3	Vertical	93	1.15	-	27.16	27.60	3.73	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

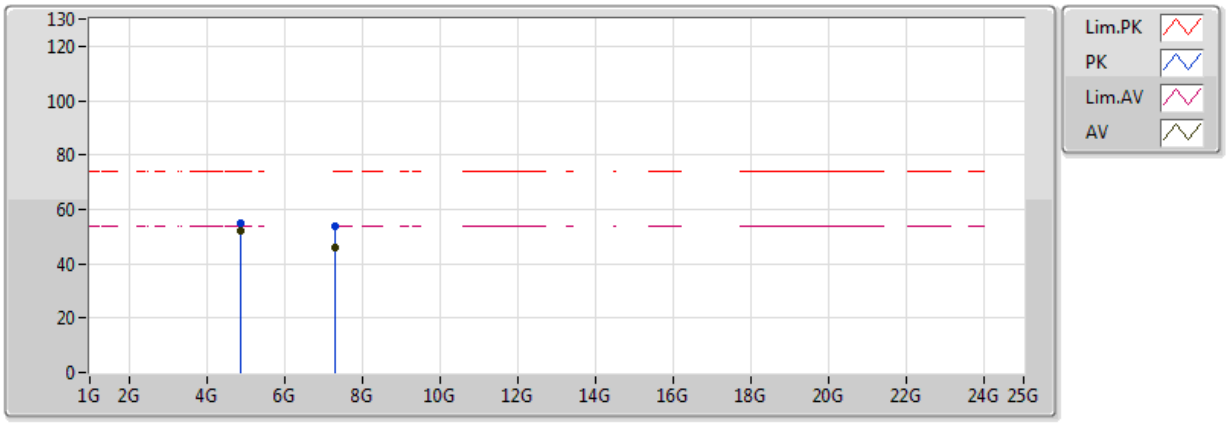


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389174G	46.35	54.00	-7.65	30.93	3	Horizontal	350	1.50	-	15.42	27.31	3.62	-
AV	2.43642G	108.32	Inf	-Inf	31.10	3	Horizontal	350	1.50	-	77.22	27.43	3.67	-
AV	2.483957G	46.43	54.00	-7.57	31.27	3	Horizontal	350	1.50	-	15.16	27.56	3.71	-
PK	2.369174G	58.23	74.00	-15.77	30.86	3	Horizontal	350	1.50	-	27.36	27.26	3.60	-
PK	2.43671G	110.98	Inf	-Inf	31.10	3	Horizontal	350	1.50	-	79.88	27.44	3.67	-
PK	2.486855G	58.29	74.00	-15.71	31.28	3	Horizontal	350	1.50	-	27.01	27.57	3.72	-

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

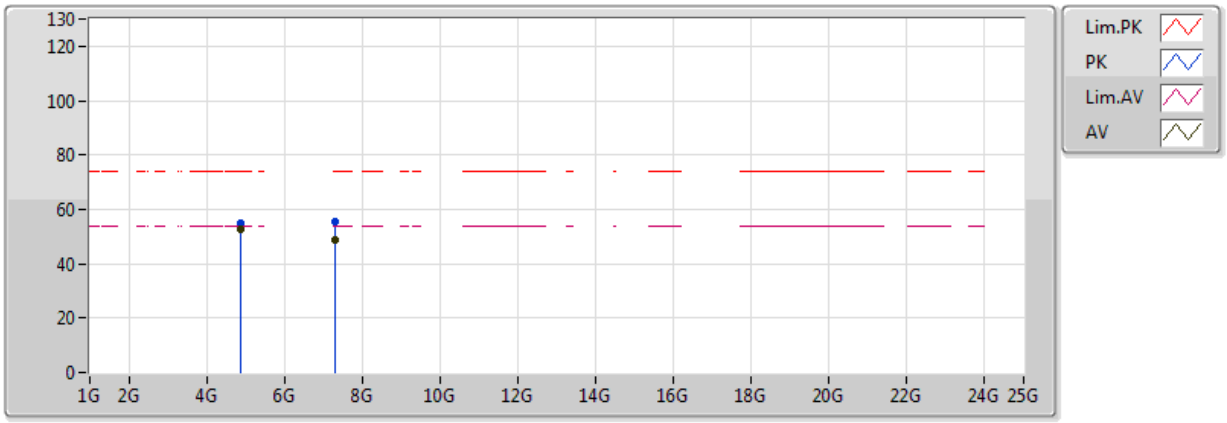


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874043G	52.28	54.00	-1.72	2.26	3	Vertical	192	1.87	-	50.02	31.37	5.46	34.58
AV	7.310305G	45.71	54.00	-8.29	7.46	3	Vertical	331	1.29	-	38.25	35.81	6.63	34.98
PK	4.87408G	54.77	74.00	-19.23	2.26	3	Vertical	192	1.87	-	52.51	31.37	5.46	34.58
PK	7.31074G	53.87	74.00	-20.13	7.46	3	Vertical	331	1.29	-	46.41	35.81	6.63	34.98

802.11b_Nss1,(1Mbps)_1TX

2437MHz_TX

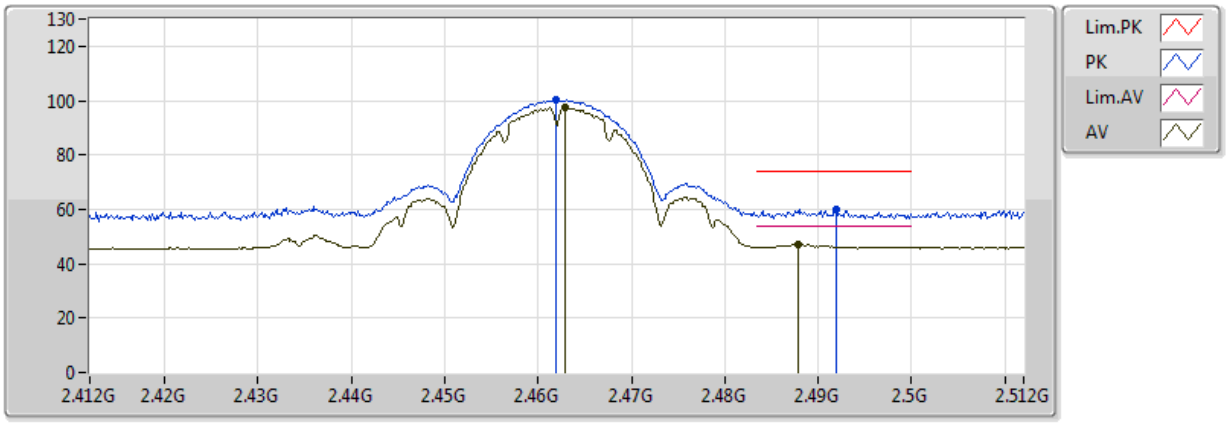


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874043G	52.84	54.00	-1.16	2.26	3	Horizontal	227	1.90	-	50.58	31.37	5.46	34.58
AV	7.310305G	48.49	54.00	-5.51	7.46	3	Horizontal	252	1.88	-	41.04	35.81	6.63	34.98
PK	4.874138G	55.07	74.00	-18.93	2.26	3	Horizontal	227	1.90	-	52.81	31.37	5.46	34.58
PK	7.308656G	55.39	74.00	-18.61	7.45	3	Horizontal	252	1.88	-	47.93	35.80	6.63	34.98

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

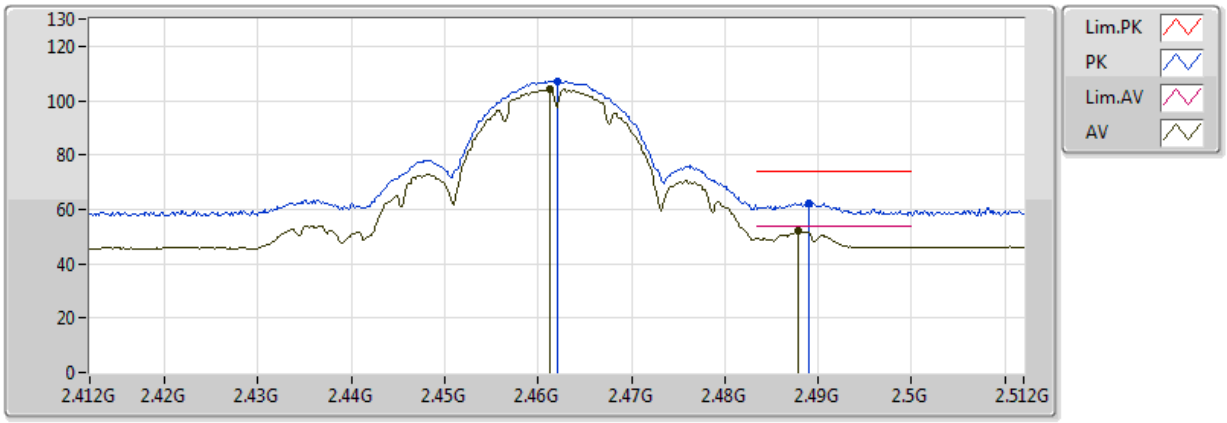


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.46287G	97.42	Inf	-Inf	31.20	3	Vertical	254	2.47	-	66.23	27.50	3.69	-
AV	2.487797G	47.32	54.00	-6.68	31.29	3	Vertical	254	2.47	-	16.03	27.57	3.72	-
PK	2.461855G	100.14	Inf	-Inf	31.19	3	Vertical	254	2.47	-	68.94	27.50	3.69	-
PK	2.491855G	59.97	74.00	-14.03	31.30	3	Vertical	254	2.47	-	28.67	27.58	3.72	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

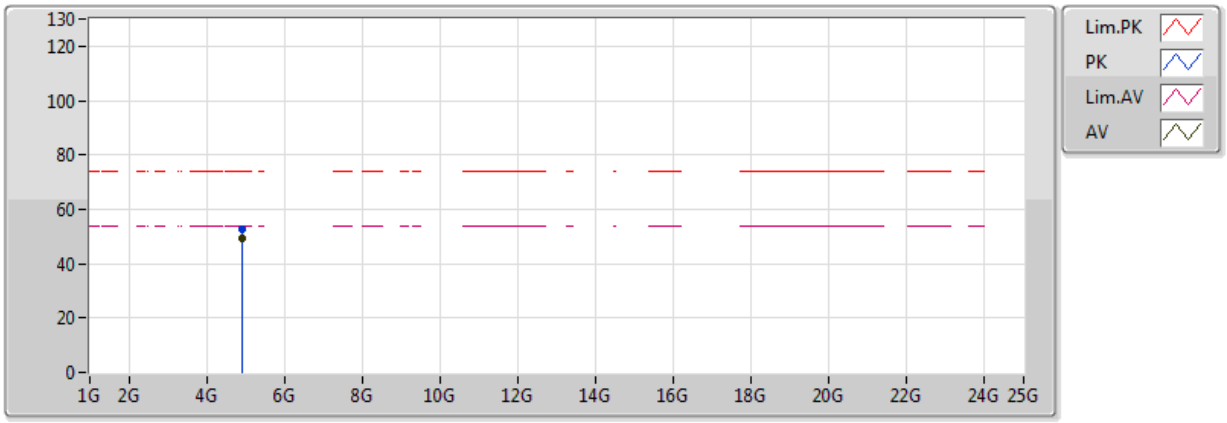


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.461275G	104.14	Inf	-Inf	31.19	3	Horizontal	205	1.54	-	72.95	27.50	3.69	-
AV	2.487797G	52.23	54.00	-1.77	31.29	3	Horizontal	205	1.54	-	20.94	27.57	3.72	-
PK	2.462G	107.14	Inf	-Inf	31.19	3	Horizontal	205	1.54	-	75.95	27.50	3.69	-
PK	2.488957G	62.44	74.00	-11.56	31.29	3	Horizontal	205	1.54	-	31.15	27.57	3.72	-

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

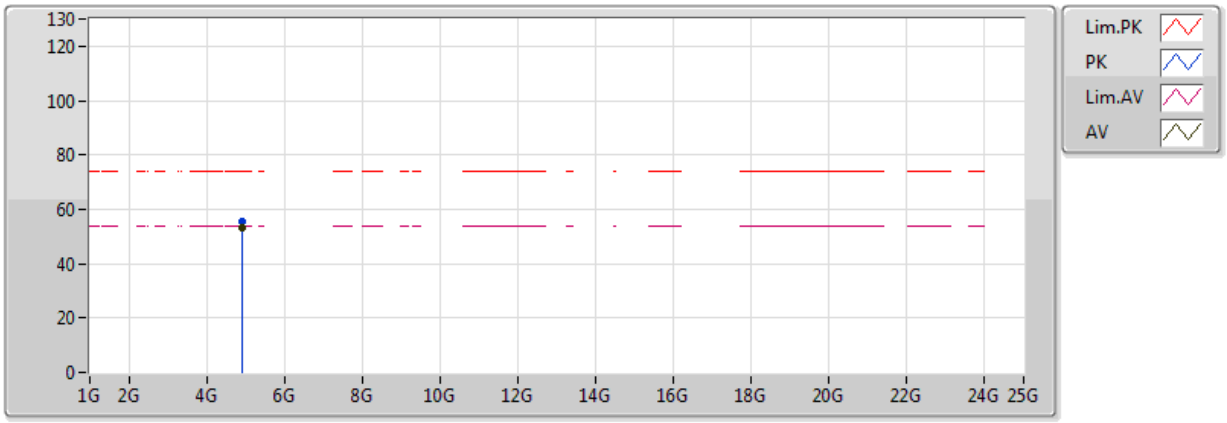


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924051G	49.40	54.00	-4.60	2.41	3	Vertical	191	1.53	-	46.98	31.46	5.52	34.57
PK	4.924G	52.74	74.00	-21.26	2.41	3	Vertical	191	1.53	-	50.32	31.46	5.52	34.57

802.11b_Nss1,(1Mbps)_1TX

2462MHz_TX

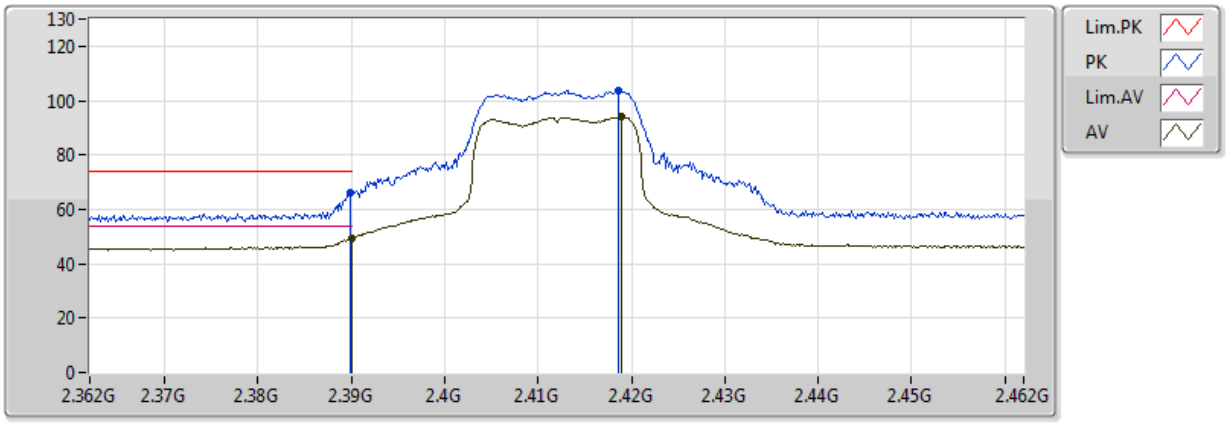


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924029G	52.98	54.00	-1.02	2.41	3	Horizontal	221	1.94	-	50.56	31.46	5.52	34.57
PK	4.924007G	55.58	74.00	-18.42	2.41	3	Horizontal	221	1.94	-	53.17	31.46	5.52	34.57

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

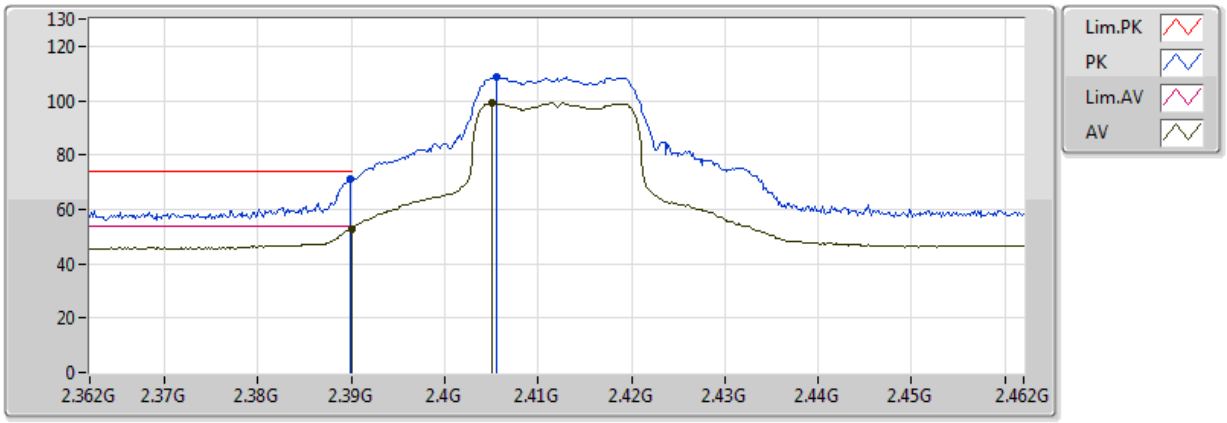


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	49.20	54.00	-4.80	30.93	3	Vertical	73	1.01	-	18.26	27.31	3.62	-
AV	2.418957G	94.03	Inf	-Inf	31.04	3	Vertical	73	1.01	-	62.99	27.39	3.65	-
PK	2.389826G	66.28	74.00	-7.72	30.93	3	Vertical	73	1.01	-	35.35	27.31	3.62	-
PK	2.418667G	103.53	Inf	-Inf	31.04	3	Vertical	73	1.01	-	72.50	27.39	3.65	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	52.83	54.00	-1.17	30.93	3	Horizontal	357	1.26	-	21.89	27.31	3.62	-
AV	2.405043G	99.36	Inf	-Inf	30.99	3	Horizontal	357	1.26	-	68.37	27.35	3.64	-
PK	2.389826G	71.28	74.00	-2.72	30.93	3	Horizontal	357	1.26	-	40.35	27.31	3.62	-
PK	2.405623G	108.57	Inf	-Inf	30.99	3	Horizontal	357	1.26	-	77.58	27.35	3.64	-

802.11g_Nss1,(6Mbps)_1TX

2412MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.823088G	34.88	54.00	-19.12	2.10	3	Vertical	162	1.42	-	32.78	31.28	5.41	34.59
PK	4.823175G	47.88	74.00	-26.12	2.10	3	Vertical	162	1.42	-	45.78	31.28	5.41	34.59

802.11g_Nss1,(6Mbps)_1TX

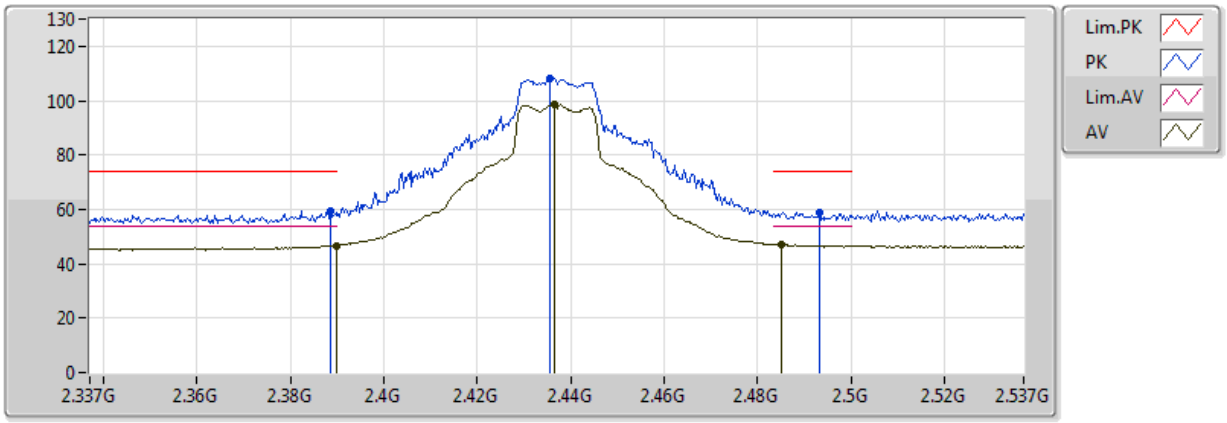
2412MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.822958G	39.73	54.00	-14.27	2.10	3	Horizontal	214	1.91	-	37.63	31.28	5.41	34.59
PK	4.821916G	53.47	74.00	-20.53	2.10	3	Horizontal	214	1.91	-	51.37	31.28	5.40	34.59

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

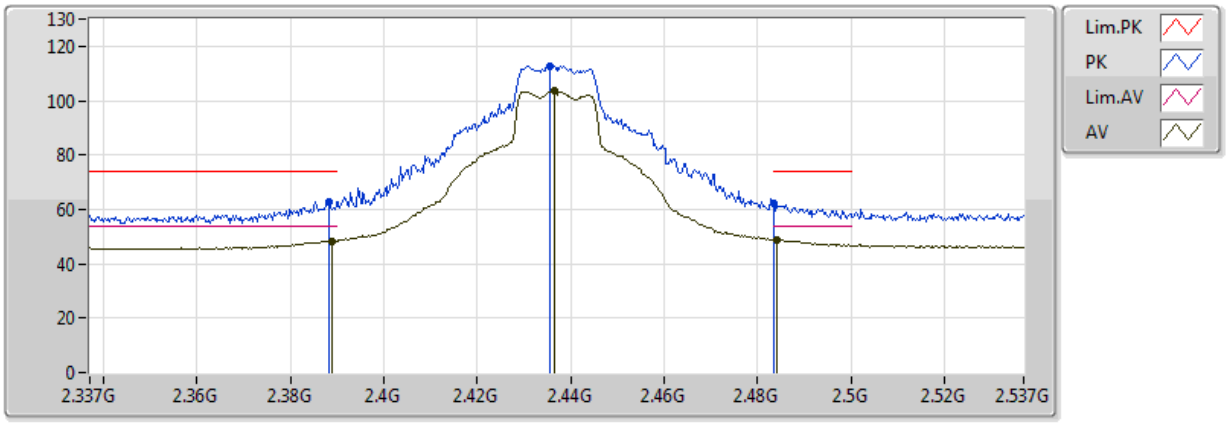


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	46.64	54.00	-7.36	30.93	3	Vertical	76	1.15	-	15.71	27.31	3.62	-
AV	2.43642G	98.78	Inf	-Inf	31.10	3	Vertical	76	1.15	-	67.68	27.43	3.67	-
AV	2.485116G	47.06	54.00	-6.94	31.28	3	Vertical	76	1.15	-	15.79	27.56	3.72	-
PK	2.388594G	59.58	74.00	-14.42	30.93	3	Vertical	76	1.15	-	28.65	27.31	3.62	-
PK	2.435551G	108.14	Inf	-Inf	31.10	3	Vertical	76	1.15	-	77.04	27.43	3.67	-
PK	2.493232G	59.10	74.00	-14.90	31.31	3	Vertical	76	1.15	-	27.80	27.58	3.72	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX

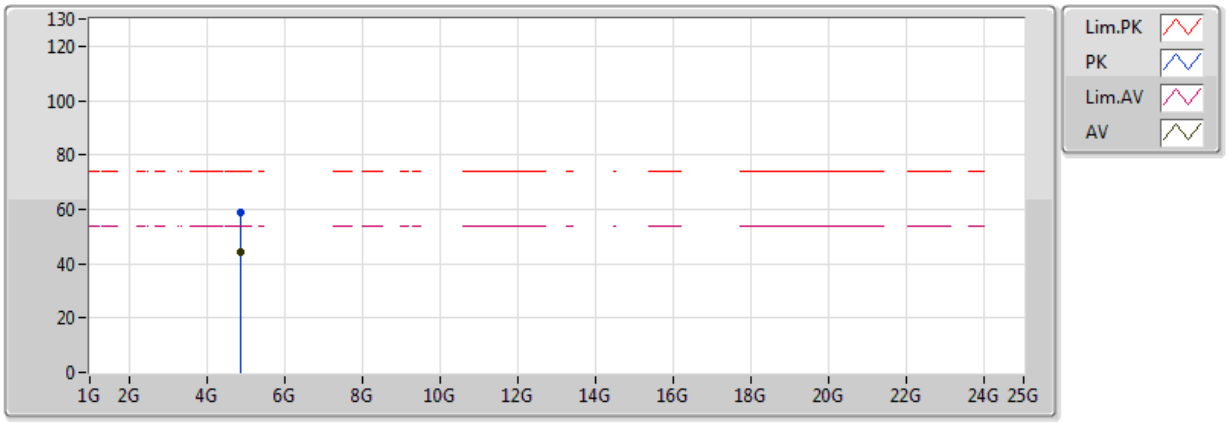


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.388884G	48.35	54.00	-5.65	30.93	3	Horizontal	355	1.49	-	17.42	27.31	3.62	-
AV	2.43642G	103.71	Inf	-Inf	31.10	3	Horizontal	355	1.49	-	72.61	27.43	3.67	-
AV	2.484246G	48.76	54.00	-5.24	31.27	3	Horizontal	355	1.49	-	17.49	27.56	3.71	-
PK	2.388304G	62.64	74.00	-11.36	30.93	3	Horizontal	355	1.49	-	31.72	27.31	3.62	-
PK	2.435551G	112.81	Inf	-Inf	31.10	3	Horizontal	355	1.49	-	81.71	27.43	3.67	-
PK	2.483502G	62.08	74.00	-11.92	31.27	3	Horizontal	355	1.49	-	30.81	27.56	3.71	-

802.11g_Nss1,(6Mbps)_1TX

2437MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.877343G	44.54	54.00	-9.46	2.27	3	Vertical	184	1.63	-	42.27	31.38	5.47	34.57
PK	4.876388G	58.73	74.00	-15.27	2.27	3	Vertical	184	1.63	-	56.46	31.38	5.46	34.57

802.11g_Nss1,(6Mbps)_1TX

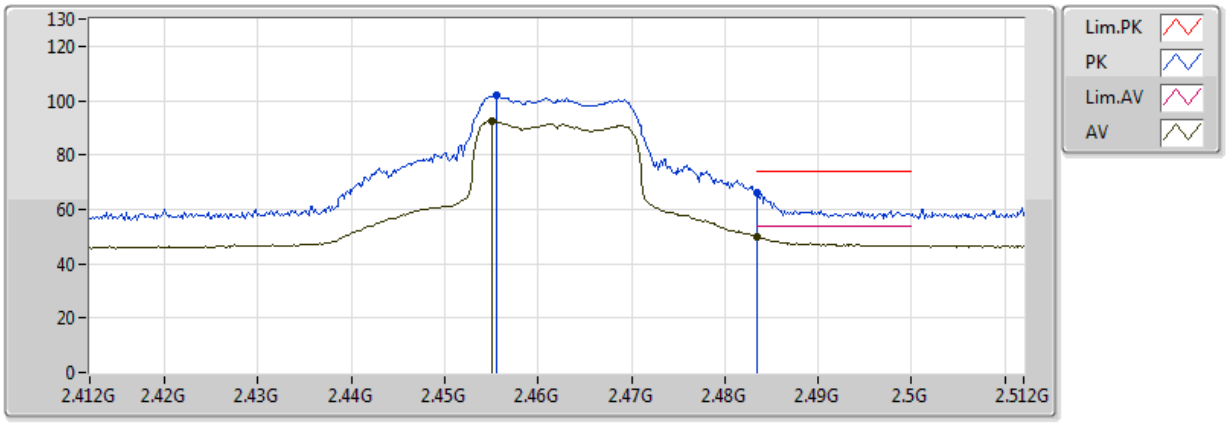
2437MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.872784G	45.58	54.00	-8.42	2.26	3	Horizontal	153	1.67	-	43.33	31.37	5.46	34.58
PK	4.876214G	59.36	74.00	-14.64	2.27	3	Horizontal	153	1.67	-	57.09	31.38	5.46	34.57

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

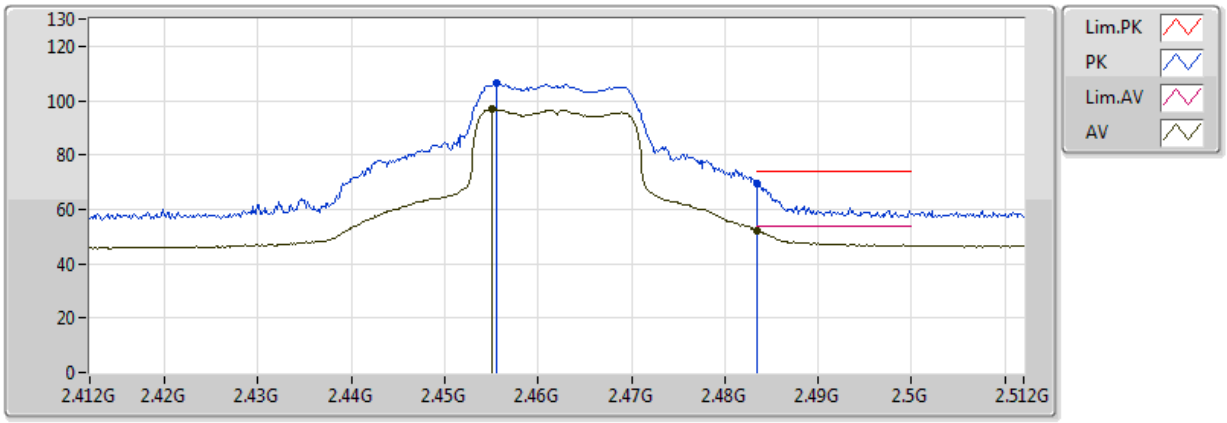


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.455043G	92.64	Inf	-Inf	31.17	3	Vertical	77	1.04	-	61.47	27.48	3.69	-
AV	2.483502G	49.83	54.00	-4.17	31.27	3	Vertical	77	1.04	-	18.56	27.56	3.71	-
PK	2.455623G	101.86	Inf	-Inf	31.17	3	Vertical	77	1.04	-	70.69	27.48	3.69	-
PK	2.483502G	66.38	74.00	-7.62	31.27	3	Vertical	77	1.04	-	35.11	27.56	3.71	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.455043G	97.11	Inf	-Inf	31.17	3	Horizontal	203	1.54	-	65.94	27.48	3.69	-
AV	2.483502G	52.06	54.00	-1.94	31.27	3	Horizontal	203	1.54	-	20.79	27.56	3.71	-
PK	2.455623G	106.36	Inf	-Inf	31.17	3	Horizontal	203	1.54	-	75.19	27.48	3.69	-
PK	2.483502G	69.52	74.00	-4.48	31.27	3	Horizontal	203	1.54	-	38.25	27.56	3.71	-

802.11g_Nss1,(6Mbps)_1TX

2462MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.923913G	37.22	54.00	-16.78	2.41	3	Vertical	184	1.52	-	34.81	31.46	5.52	34.57
PK	4.925606G	51.31	74.00	-22.69	2.42	3	Vertical	184	1.52	-	48.89	31.47	5.52	34.56

802.11g_Nss1,(6Mbps)_1TX

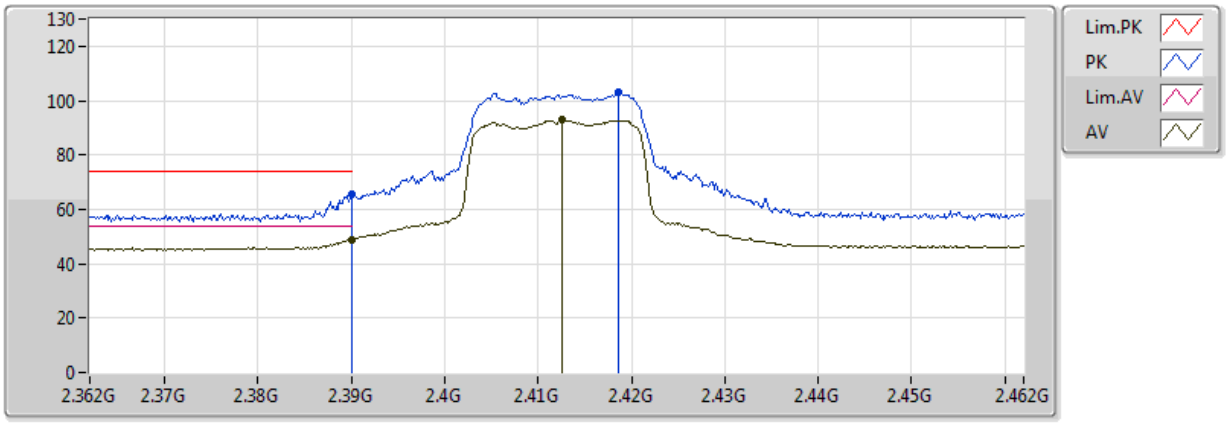
2462MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924825G	39.83	54.00	-14.17	2.42	3	Horizontal	214	1.93	-	37.41	31.46	5.52	34.57
PK	4.924955G	54.03	74.00	-19.97	2.42	3	Horizontal	214	1.93	-	51.61	31.46	5.52	34.57

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

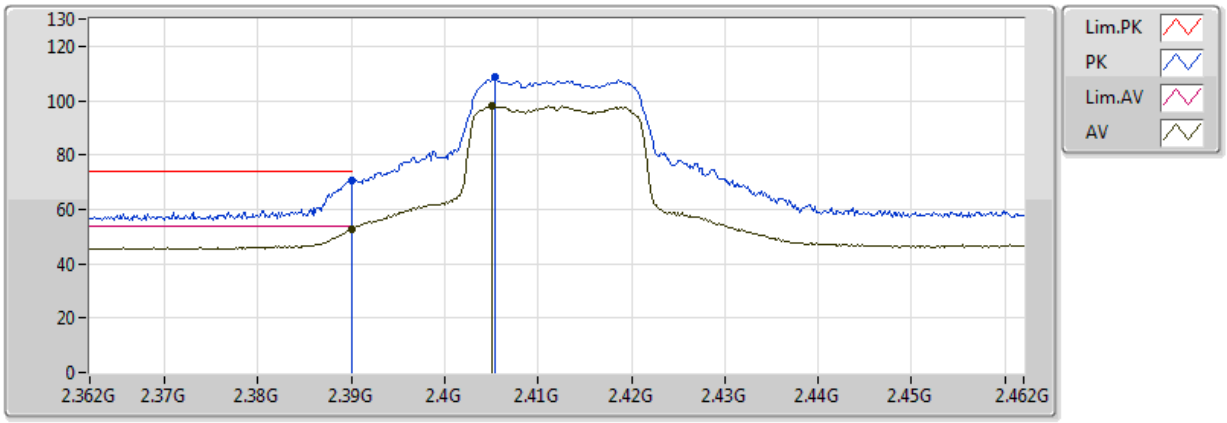


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	48.71	54.00	-5.29	30.93	3	Vertical	73	1.01	-	17.77	27.31	3.62	-
AV	2.41258G	92.86	Inf	-Inf	31.02	3	Vertical	73	1.01	-	61.85	27.37	3.64	-
PK	2.389998G	65.75	74.00	-8.25	30.93	3	Vertical	73	1.01	-	34.82	27.31	3.62	-
PK	2.418667G	102.90	Inf	-Inf	31.04	3	Vertical	73	1.01	-	71.87	27.39	3.65	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

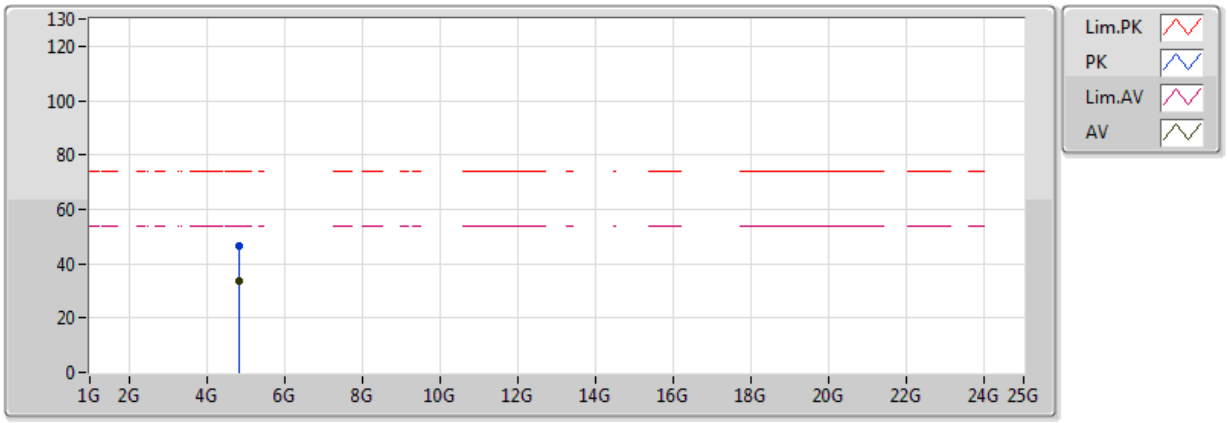


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	52.61	54.00	-1.39	30.93	3	Horizontal	357	1.27	-	21.68	27.31	3.62	-
AV	2.405043G	98.28	Inf	-Inf	30.99	3	Horizontal	357	1.27	-	67.29	27.35	3.64	-
PK	2.389998G	70.67	74.00	-3.33	30.93	3	Horizontal	357	1.27	-	39.73	27.31	3.62	-
PK	2.405333G	108.91	Inf	-Inf	30.99	3	Horizontal	357	1.27	-	77.92	27.35	3.64	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

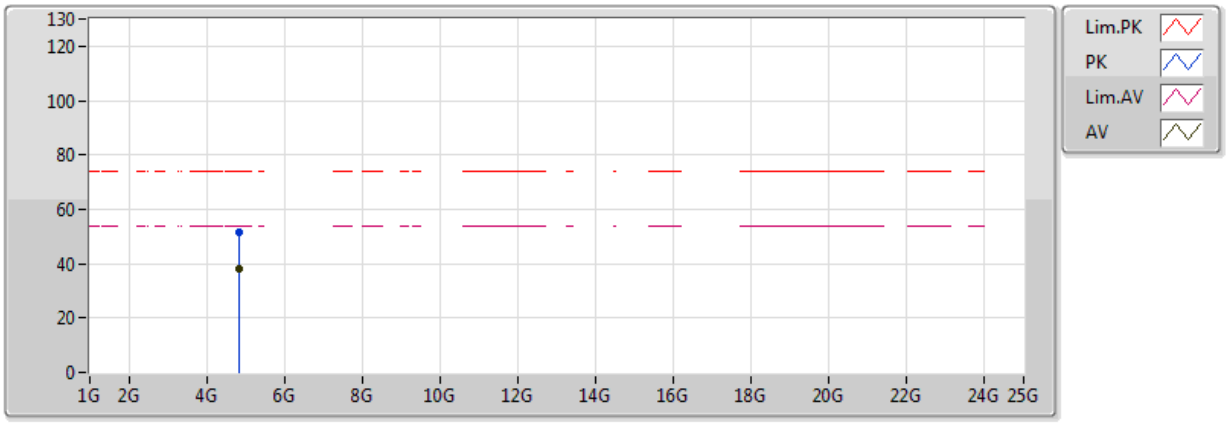


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824564G	33.86	54.00	-20.14	2.11	3	Vertical	162	1.47	-	31.76	31.28	5.41	34.59
PK	4.824695G	46.71	74.00	-27.29	2.11	3	Vertical	162	1.47	-	44.60	31.28	5.41	34.59

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

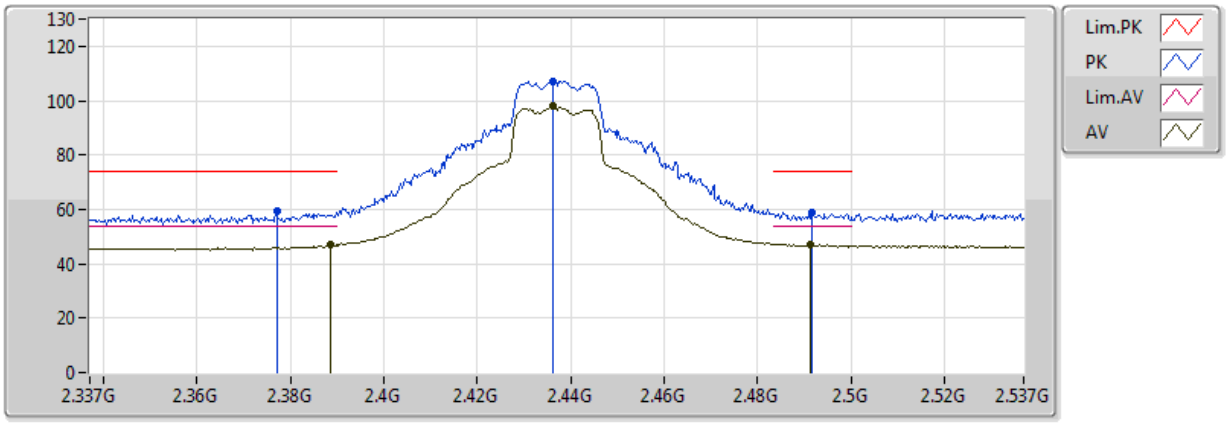


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.824391G	38.03	54.00	-15.97	2.11	3	Horizontal	215	1.86	-	35.93	31.28	5.41	34.59
PK	4.823088G	51.33	74.00	-22.67	2.10	3	Horizontal	215	1.86	-	49.23	31.28	5.41	34.59

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

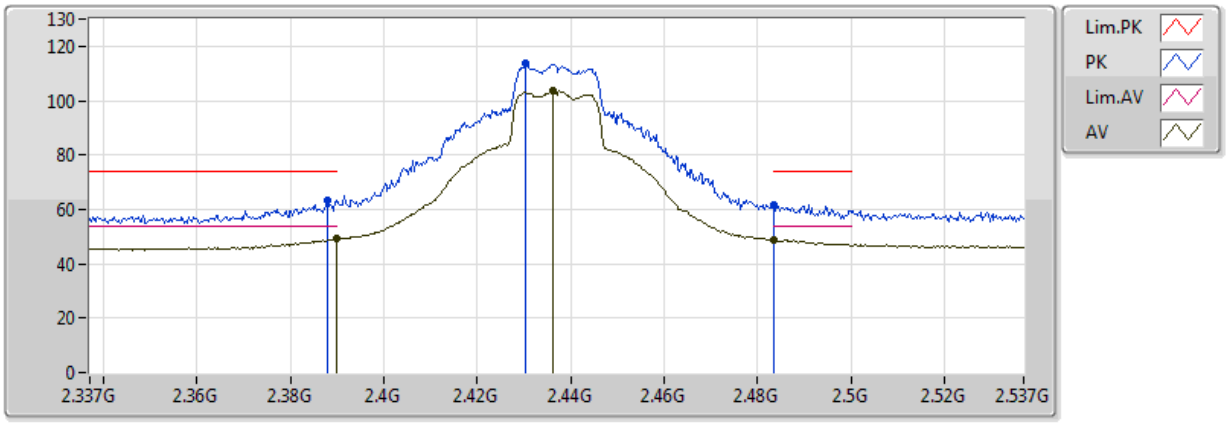


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.388594G	47.16	54.00	-6.84	30.93	3	Vertical	78	1.14	-	16.23	27.31	3.62	-
AV	2.43613G	97.79	Inf	-Inf	31.10	3	Vertical	78	1.14	-	66.69	27.43	3.67	-
AV	2.491203G	47.12	54.00	-6.88	31.30	3	Vertical	78	1.14	-	15.82	27.58	3.72	-
PK	2.377G	59.16	74.00	-14.84	30.89	3	Vertical	78	1.14	-	28.27	27.28	3.61	-
PK	2.43613G	107.30	Inf	-Inf	31.10	3	Vertical	78	1.14	-	76.20	27.43	3.67	-
PK	2.491783G	59.07	74.00	-14.93	31.30	3	Vertical	78	1.14	-	27.77	27.58	3.72	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

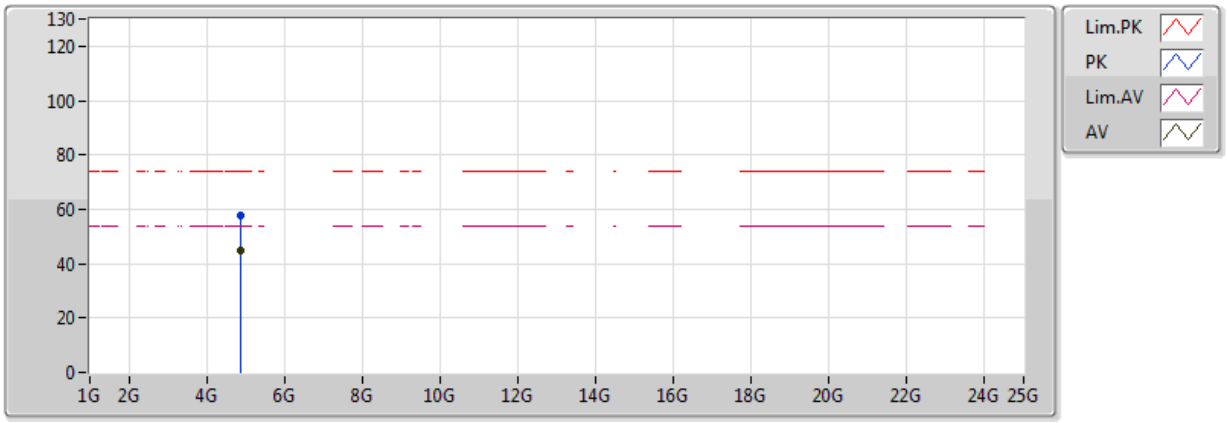


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	49.31	54.00	-4.69	30.93	3	Horizontal	358	1.47	-	18.37	27.31	3.62	-
AV	2.43613G	103.53	Inf	-Inf	31.10	3	Horizontal	358	1.47	-	72.43	27.43	3.67	-
AV	2.483502G	49.01	54.00	-4.99	31.27	3	Horizontal	358	1.47	-	17.74	27.56	3.71	-
PK	2.388014G	63.39	74.00	-10.61	30.93	3	Horizontal	358	1.47	-	32.46	27.31	3.62	-
PK	2.430333G	113.82	Inf	-Inf	31.08	3	Horizontal	358	1.47	-	82.74	27.42	3.66	-
PK	2.483502G	61.85	74.00	-12.15	31.27	3	Horizontal	358	1.47	-	30.58	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.87413G	44.68	54.00	-9.32	2.26	3	Vertical	183	1.97	-	42.42	31.37	5.46	34.58
PK	4.873392G	57.86	74.00	-16.14	2.26	3	Vertical	183	1.97	-	55.60	31.37	5.46	34.58

802.11n HT20_Nss1,(MCS0)_1TX

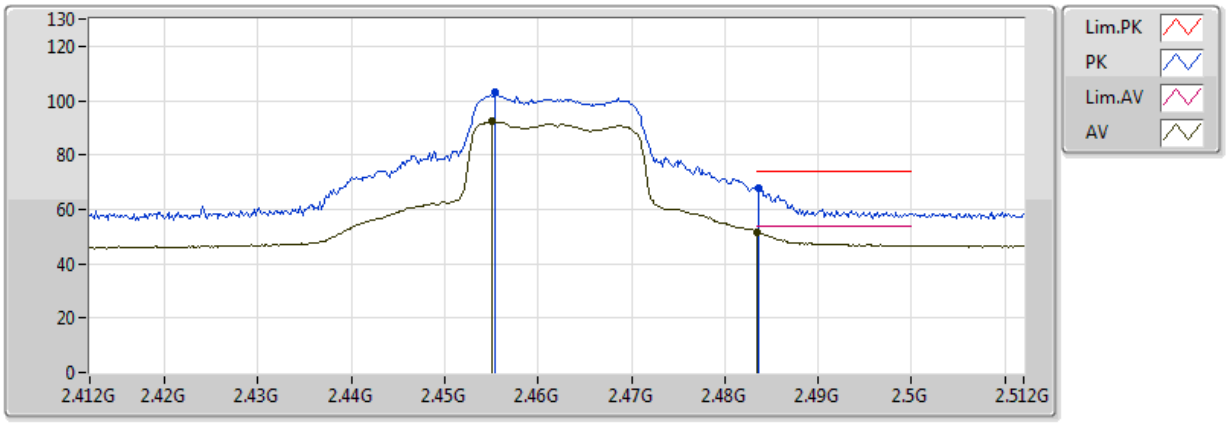
2437MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874174G	46.14	54.00	-7.86	2.26	3	Horizontal	154	1.65	-	43.88	31.37	5.46	34.58
PK	4.872871G	59.36	74.00	-14.64	2.26	3	Horizontal	154	1.65	-	57.11	31.37	5.46	34.58

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

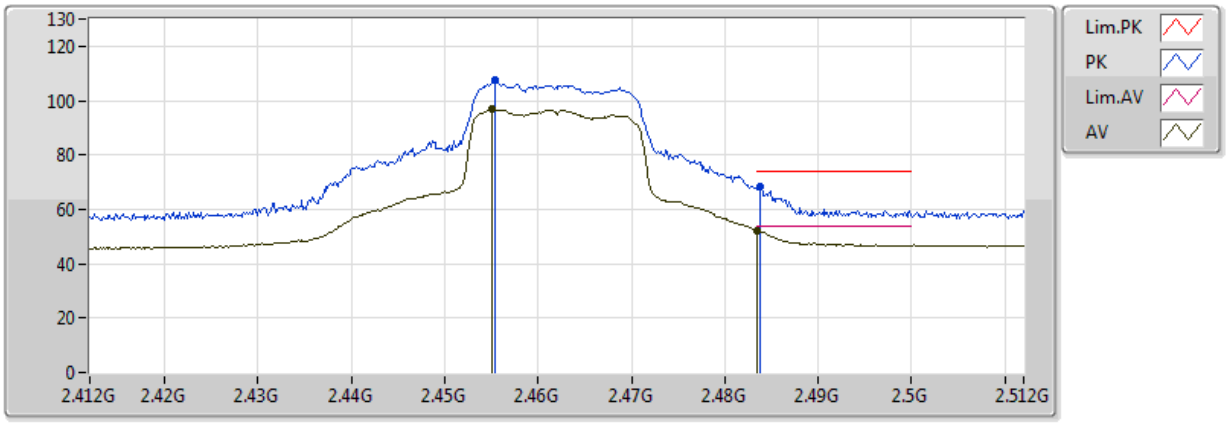


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.455043G	92.56	Inf	-Inf	31.17	3	Vertical	77	1.04	-	61.39	27.48	3.69	-
AV	2.483502G	51.83	54.00	-2.17	31.27	3	Vertical	77	1.04	-	20.56	27.56	3.71	-
PK	2.455333G	103.17	Inf	-Inf	31.17	3	Vertical	77	1.04	-	72.00	27.48	3.69	-
PK	2.483594G	67.86	74.00	-6.14	31.27	3	Vertical	77	1.04	-	36.59	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.455043G	96.96	Inf	-Inf	31.17	3	Horizontal	205	1.21	-	65.79	27.48	3.69	-
AV	2.483502G	52.16	54.00	-1.84	31.27	3	Horizontal	205	1.21	-	20.89	27.56	3.71	-
PK	2.455333G	107.60	Inf	-Inf	31.17	3	Horizontal	205	1.21	-	76.43	27.48	3.69	-
PK	2.483739G	68.18	74.00	-5.82	31.27	3	Horizontal	205	1.21	-	36.91	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

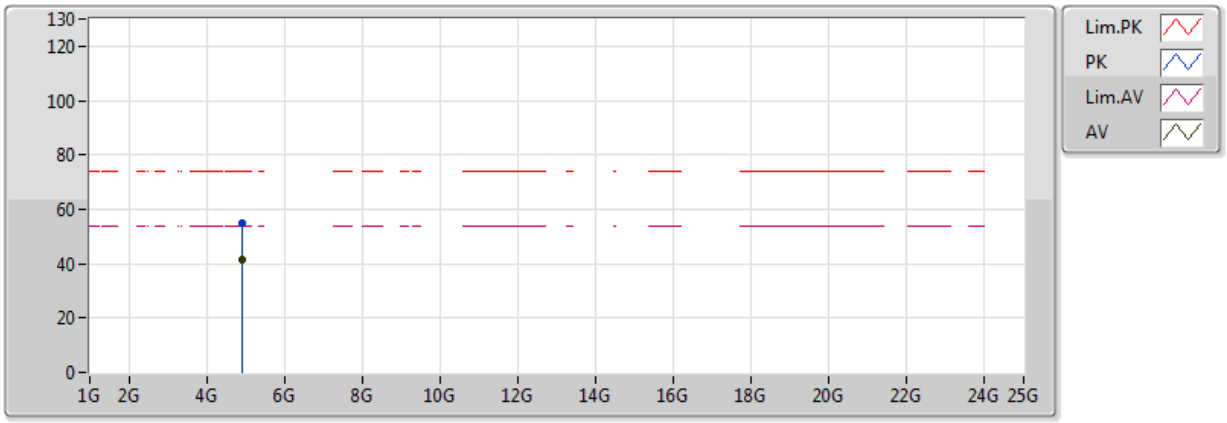
2462MHz_TX

EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924347G	38.08	54.00	-15.92	2.42	3	Vertical	184	1.66	-	35.66	31.46	5.52	34.57
PK	4.923392G	51.40	74.00	-22.60	2.41	3	Vertical	184	1.66	-	48.99	31.46	5.52	34.57

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

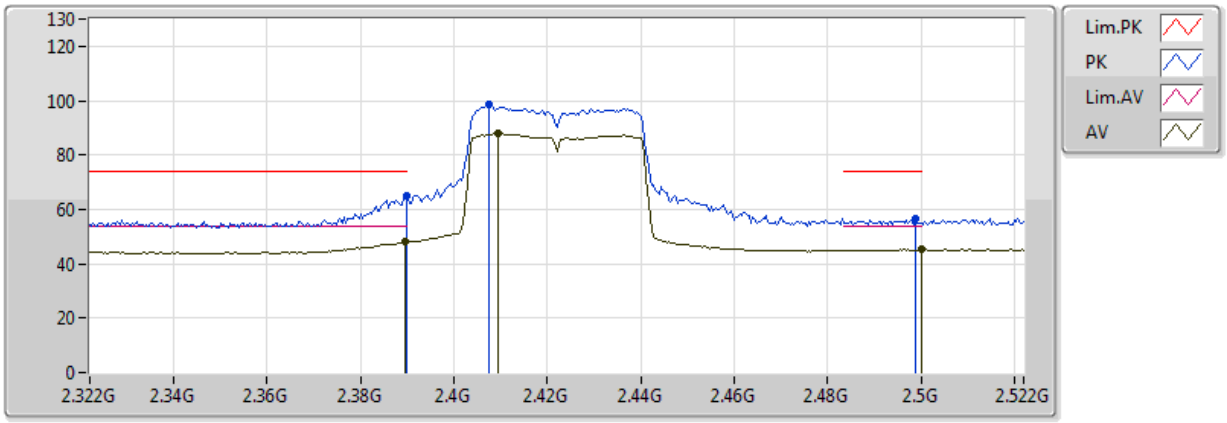


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.92413G	41.33	54.00	-12.67	2.41	3	Horizontal	213	1.93	-	38.91	31.46	5.52	34.57
PK	4.922741G	54.91	74.00	-19.09	2.41	3	Horizontal	213	1.93	-	52.50	31.46	5.52	34.57

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

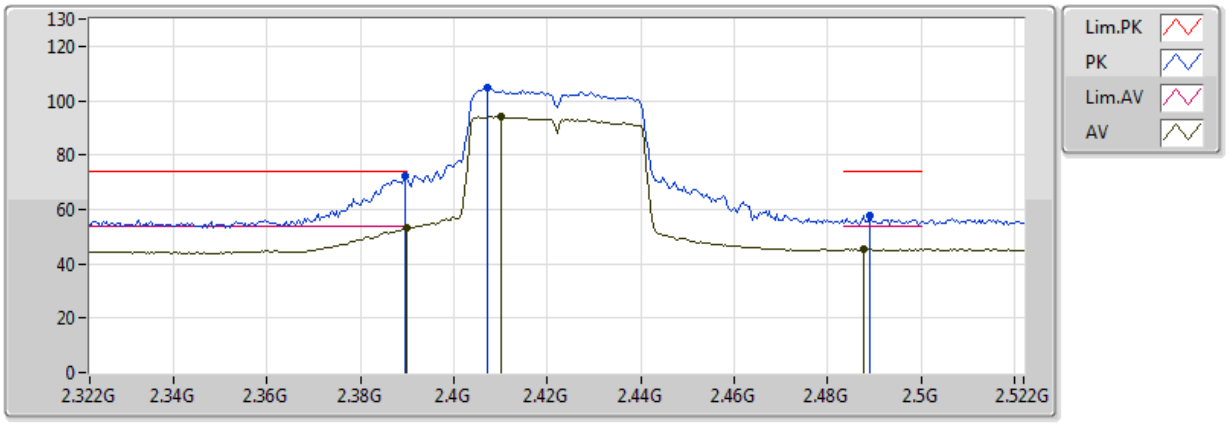


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	48.16	54.00	-5.84	30.93	3	Vertical	103	1.10	-	17.23	27.31	3.62	-
AV	2.4096G	88.13	Inf	-Inf	31.00	3	Vertical	103	1.10	-	57.12	27.36	3.64	-
AV	2.5G	45.19	54.00	-8.81	31.33	3	Vertical	103	1.10	-	13.86	27.60	3.73	-
PK	2.39G	65.22	74.00	-8.78	30.93	3	Vertical	103	1.10	-	34.28	27.31	3.62	-
PK	2.4076G	98.35	Inf	-Inf	31.00	3	Vertical	103	1.10	-	67.36	27.36	3.64	-
PK	2.4988G	56.66	74.00	-17.34	31.33	3	Vertical	103	1.10	-	25.33	27.60	3.73	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

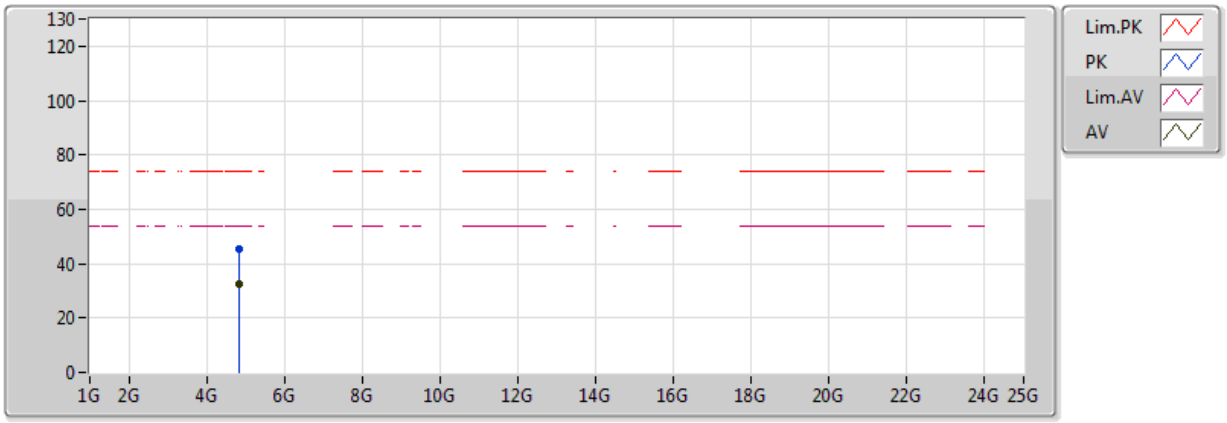


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.40	54.00	-0.60	30.93	3	Horizontal	15	1.49	-	22.47	27.31	3.62	-
AV	2.41G	94.20	Inf	-Inf	31.01	3	Horizontal	15	1.49	-	63.20	27.37	3.64	-
AV	2.4876G	45.39	54.00	-8.61	31.29	3	Horizontal	15	1.49	-	14.11	27.57	3.72	-
PK	2.3896G	72.07	74.00	-1.93	30.93	3	Horizontal	15	1.49	-	41.14	27.31	3.62	-
PK	2.4072G	104.90	Inf	-Inf	31.00	3	Horizontal	15	1.49	-	73.90	27.36	3.64	-
PK	2.4892G	57.80	74.00	-16.20	31.29	3	Horizontal	15	1.49	-	26.51	27.57	3.72	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

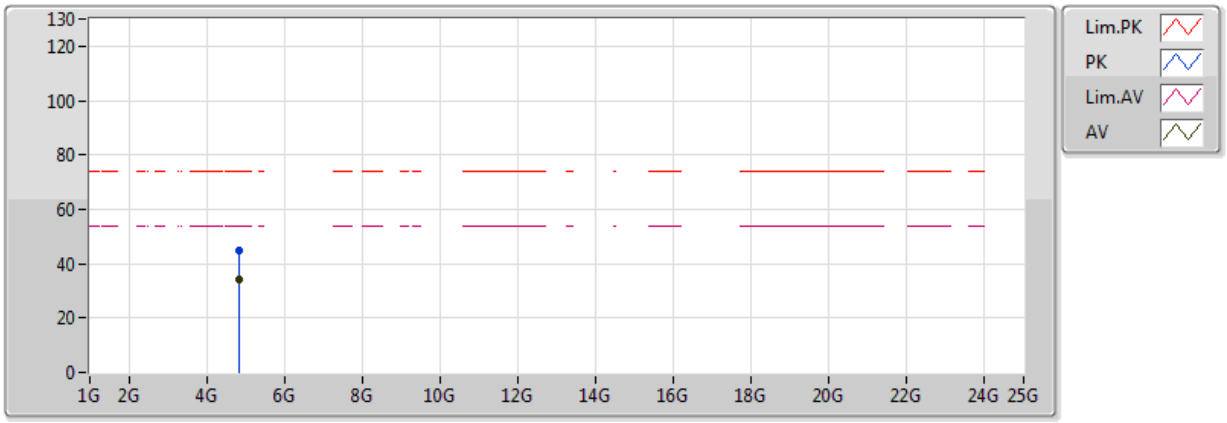


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.845274G	32.70	54.00	-21.30	2.17	3	Vertical	185	1.49	-	30.53	31.32	5.43	34.58
PK	4.843653G	45.26	74.00	-28.74	2.17	3	Vertical	185	1.49	-	43.10	31.32	5.43	34.58

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

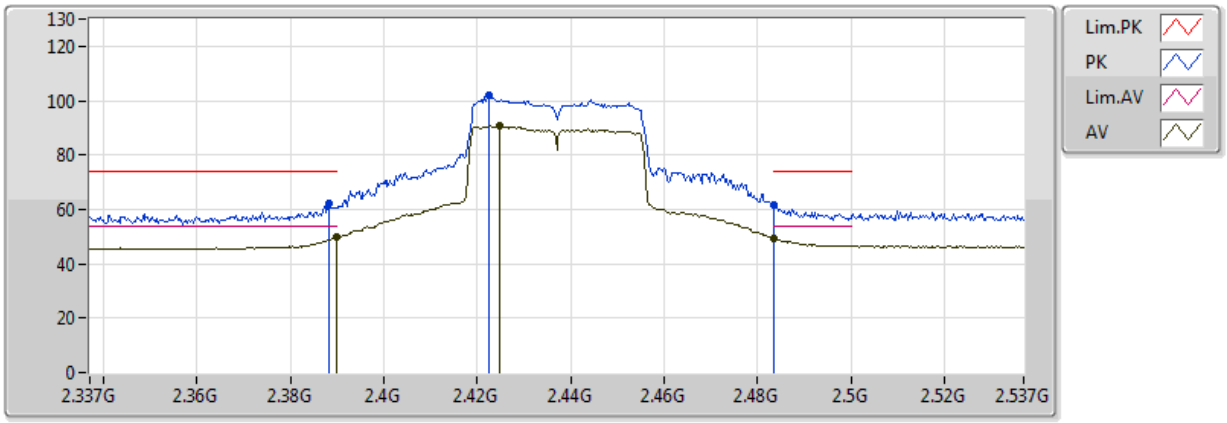


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8451G	34.26	54.00	-19.74	2.17	3	Horizontal	213	1.85	-	32.09	31.32	5.43	34.58
PK	4.834391G	44.61	74.00	-29.39	2.14	3	Horizontal	213	1.85	-	42.48	31.30	5.42	34.58

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

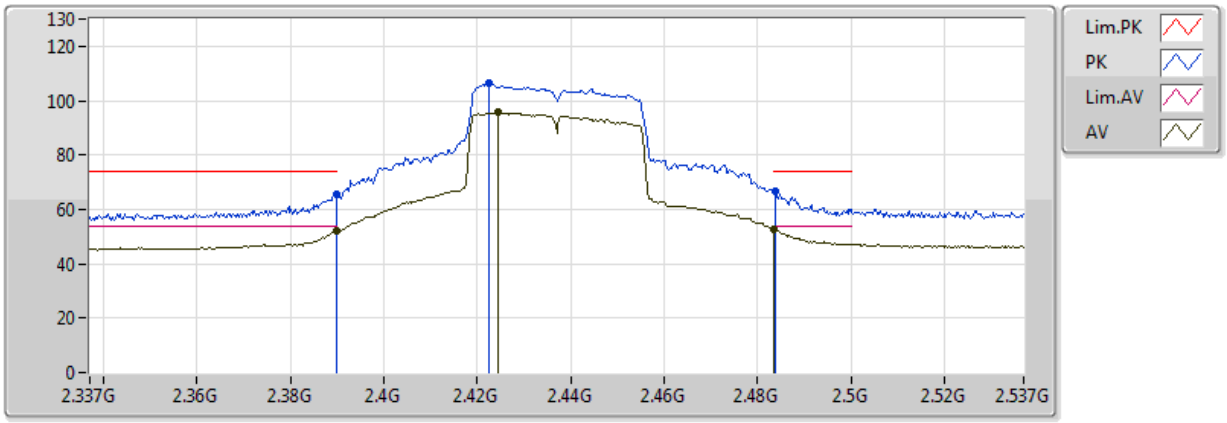


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	49.68	54.00	-4.32	30.93	3	Vertical	75	1.00	-	18.74	27.31	3.62	-
AV	2.424826G	90.89	Inf	-Inf	31.06	3	Vertical	75	1.00	-	59.83	27.40	3.65	-
AV	2.483502G	49.52	54.00	-4.48	31.27	3	Vertical	75	1.00	-	18.25	27.56	3.71	-
PK	2.388304G	62.07	74.00	-11.93	30.93	3	Vertical	75	1.00	-	31.14	27.31	3.62	-
PK	2.422507G	101.89	Inf	-Inf	31.05	3	Vertical	75	1.00	-	70.84	27.40	3.65	-
PK	2.483502G	61.69	74.00	-12.31	31.27	3	Vertical	75	1.00	-	30.42	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

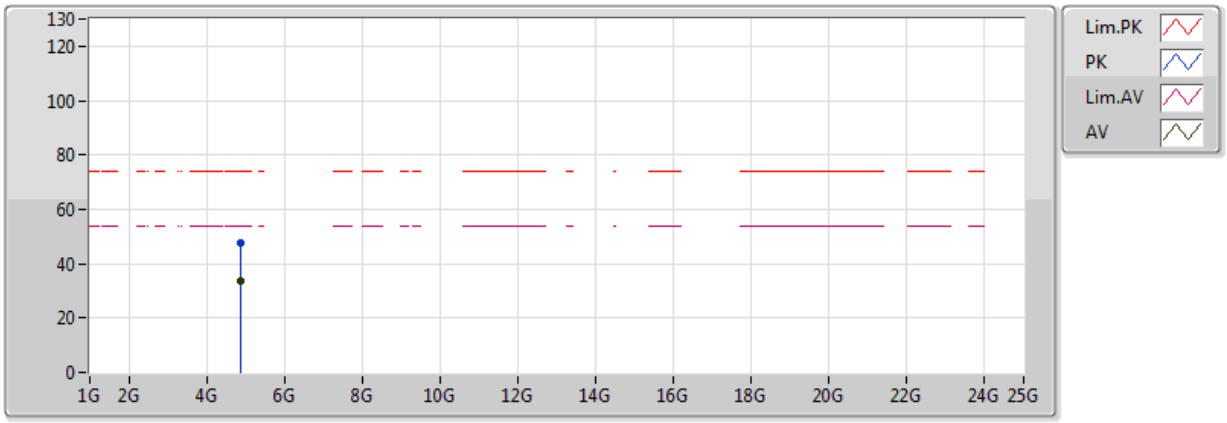


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389998G	51.99	54.00	-2.01	30.93	3	Horizontal	356	1.20	-	21.05	27.31	3.62	-
AV	2.424536G	95.85	Inf	-Inf	31.06	3	Horizontal	356	1.20	-	64.79	27.40	3.65	-
AV	2.483502G	52.77	54.00	-1.23	31.27	3	Horizontal	356	1.20	-	21.50	27.56	3.71	-
PK	2.389998G	65.47	74.00	-8.53	30.93	3	Horizontal	356	1.20	-	34.54	27.31	3.62	-
PK	2.422507G	106.68	Inf	-Inf	31.05	3	Horizontal	356	1.20	-	75.63	27.40	3.65	-
PK	2.483957G	66.61	74.00	-7.39	31.27	3	Horizontal	356	1.20	-	35.34	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

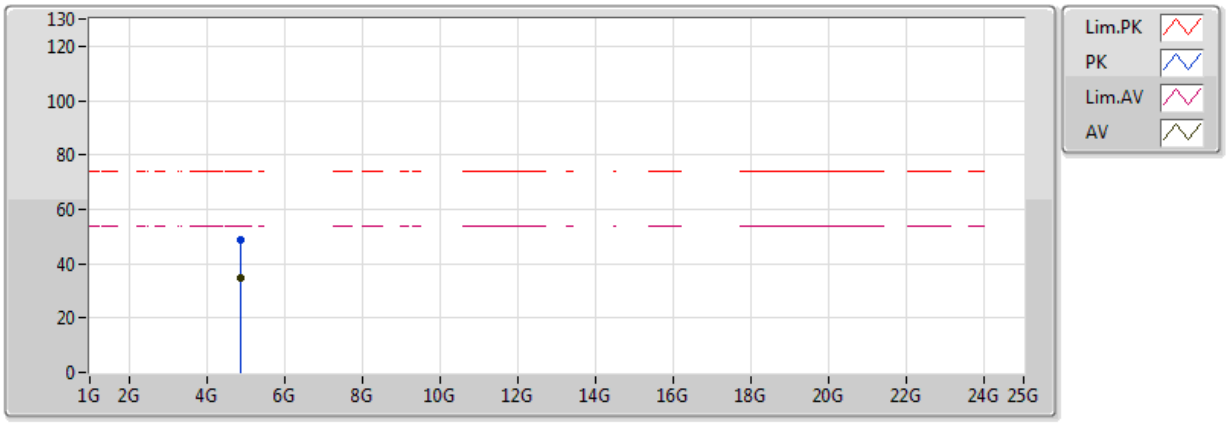


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.88031G	33.46	54.00	-20.54	2.28	3	Vertical	190	2.00	-	31.19	31.38	5.47	34.57
PK	4.878631G	47.56	74.00	-26.44	2.27	3	Vertical	190	2.00	-	45.29	31.38	5.47	34.57

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

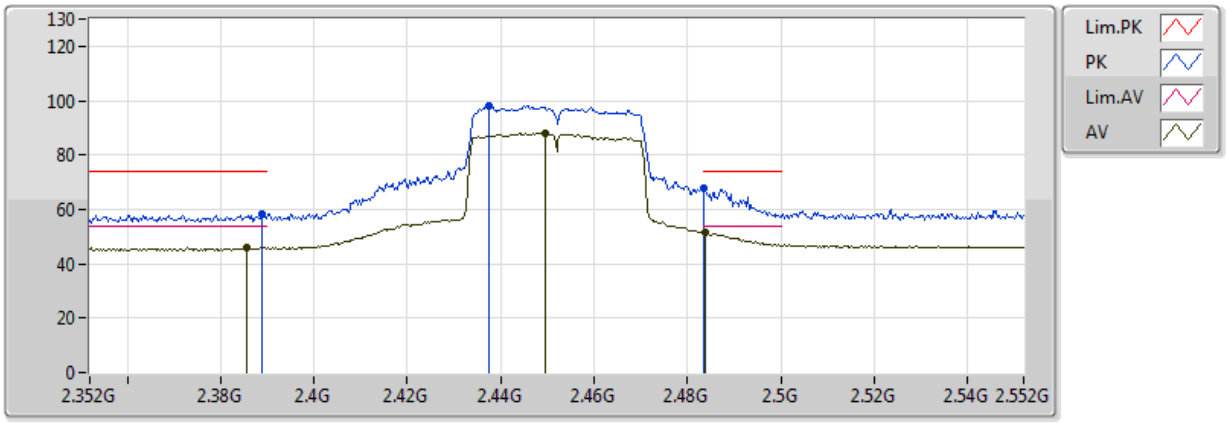


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874984G	34.77	54.00	-19.23	2.26	3	Horizontal	214	1.91	-	32.51	31.37	5.46	34.58
PK	4.873711G	48.86	74.00	-25.14	2.26	3	Horizontal	214	1.91	-	46.60	31.37	5.46	34.58

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

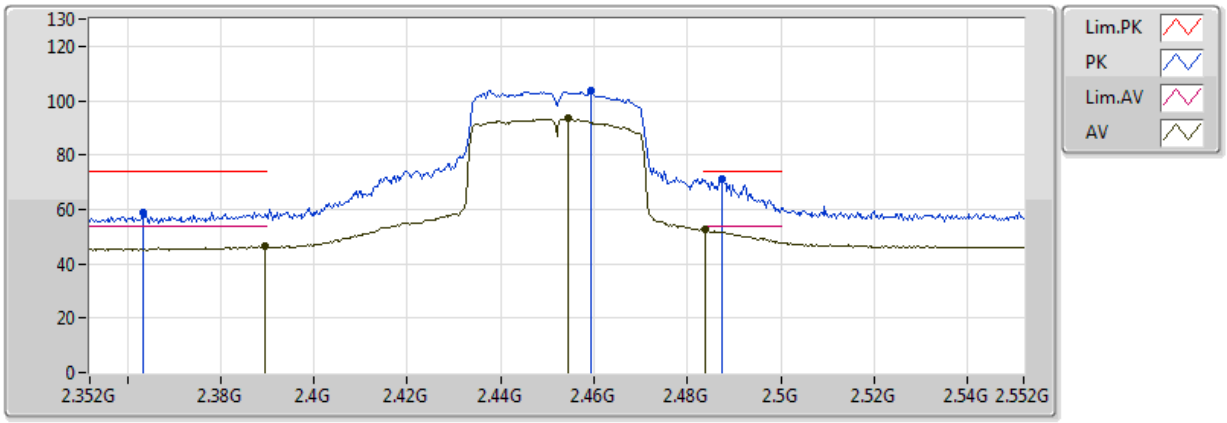


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.385623G	45.91	54.00	-8.09	30.92	3	Vertical	77	1.03	-	14.99	27.30	3.62	-
AV	2.449391G	88.06	Inf	-Inf	31.15	3	Vertical	77	1.03	-	56.91	27.47	3.68	-
AV	2.483884G	51.69	54.00	-2.31	31.27	3	Vertical	77	1.03	-	20.42	27.56	3.71	-
PK	2.388812G	58.10	74.00	-15.90	30.93	3	Vertical	77	1.03	-	27.17	27.31	3.62	-
PK	2.437507G	98.13	Inf	-Inf	31.11	3	Vertical	77	1.03	-	67.02	27.44	3.67	-
PK	2.483594G	67.54	74.00	-6.46	31.27	3	Vertical	77	1.03	-	36.27	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

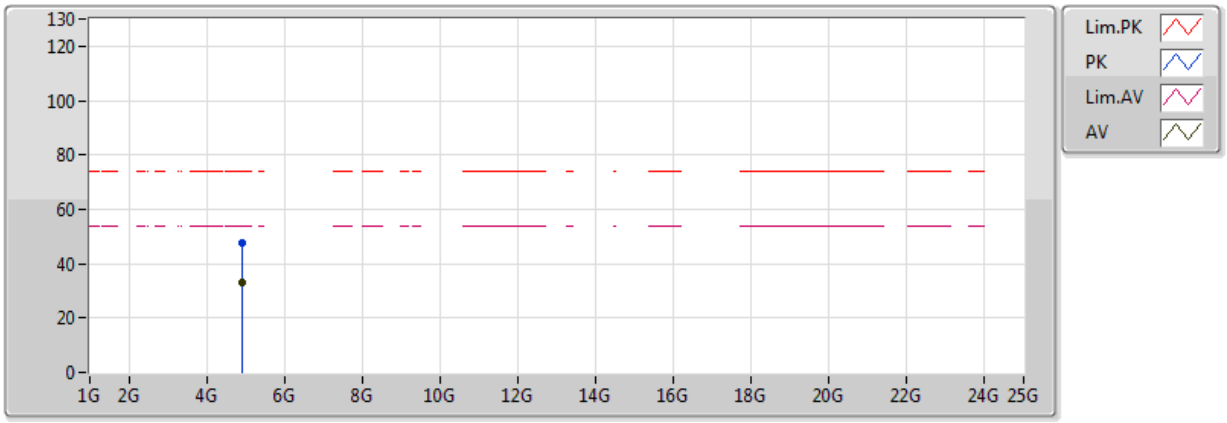


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.389681G	46.67	54.00	-7.33	30.93	3	Horizontal	357	1.39	-	15.74	27.31	3.62	-
AV	2.454319G	93.35	Inf	-Inf	31.17	3	Horizontal	357	1.39	-	62.18	27.48	3.68	-
AV	2.483884G	52.46	54.00	-1.54	31.27	3	Horizontal	357	1.39	-	21.18	27.56	3.71	-
PK	2.363304G	58.74	74.00	-15.26	30.84	3	Horizontal	357	1.39	-	27.90	27.24	3.60	-
PK	2.459246G	103.56	Inf	-Inf	31.18	3	Horizontal	357	1.39	-	72.38	27.49	3.69	-
PK	2.487362G	70.94	74.00	-3.06	31.28	3	Horizontal	357	1.39	-	39.66	27.57	3.72	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

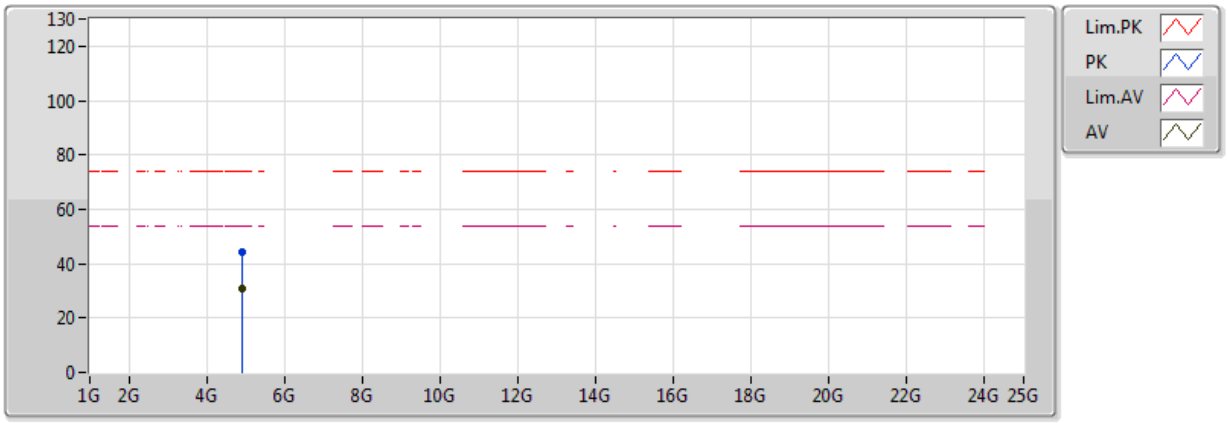


EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.910425G	32.97	54.00	-21.03	2.37	3	Vertical	182	1.63	-	30.59	31.44	5.50	34.57
PK	4.914362G	47.52	74.00	-26.48	2.38	3	Vertical	182	1.63	-	45.14	31.45	5.51	34.57

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX



EUT = Y

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.921713G	30.91	54.00	-23.09	2.41	3	Horizontal	34	1.70	-	28.51	31.46	5.51	34.57
PK	4.917256G	44.37	74.00	-29.63	2.39	3	Horizontal	34	1.70	-	41.98	31.45	5.51	34.57