FCC Test Report

Equipment	:	**Furbo Dog Camera**
Brand Name	:	**Furbo**
Model No.	:	**furbo2**
FCC ID	:	**2AIBVTFFBV2**
Standard	:	**47 CFR FCC Part 15.247**
Operating Band	:	**2400 MHz – 2483.5 MHz**
Function	:	**☒ Point-to-multipoint; ☐ Point-to-point**
Applicant	:	**Tomofun Co., Ltd. 4F., No.178, Sec. 3 , Minquan E,Rd.,Songshan Dist Taipei City 105, Taiwan (R.O.C.)**
Manufacturer	:	**Chicony Electronics (Dong Guan) Co.,Ltd. San Zhong Guan Li Qu, Qingxi Town, Dongguan City Guangdong 523651 China**

The product sample received on Jul. 17, 2017 and completely tested on Aug. 07, 2017. We, SPORTON, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Phoenix Chen
SPORTON INTERNATIONAL INC.

Testing Laboratory
1190

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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
FR771425AC	Rev. 01	Initial issue of report	Aug. 24, 2017

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	WANSHIH	Furbo Wifi Antenna	PIFA Antenna	fixed on board	1.8

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	0.99	0.044	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.933	0.301	1.43m	1k
802.11n HT20	0.931	0.311	1.338m	1k

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.			
☒	LINKOU	ADD : No. 30-2, Dingfu Vil., Linkou Dist., New Taipei City, Taiwan (R.O.C.)	
		TEL : 886-2-2601-1640	FAX : 886-2-2601-1695
Test site Designation No. TW1095 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Candy	23.5°C / 65%	25/Jul/2017
Radiated	03CH02-HY	Andy	23.2°C / 58%	07/Aug/2017
AC Conduction	CO01-LK	Alex	28°C / 49%	04/Aug/2017

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	2.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	2.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	2.9 dB	Confidence levels of 95%
Conducted Emission	1.3 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software	DOS

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	68
2437MHz	72
2462MHz	70
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	66
2437MHz	76
2462MHz	64
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	64
2437MHz	76
2462MHz	63

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	Normal Link
1	WiFi 2.4 link+ BT ON, CCD＋MIC + ADAPTER(YJC010W-0502000U) with USB cable1
2	WiFi 2.4 link+ BT ON, CCD＋MIC + ADAPTER(MX520U) with USB cable1
3	WiFi 2.4 link+ BT ON, CCD＋MIC + ADAPTER(MX520U) with USB cable2
For operating mode 2 is the worst case and it was record in this test report.	

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

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

2.4 Accessories

Accessories				
AC Adapter 1	Brand Name	FURBO	Model Name	YJC010W-0502000U
	Power Rating	I/P: 100-240Vac, 500 mA, O/P: 5 Vdc, 2000 mA		
	Manufacturer	Dongguan Yingju Power Co., Ltd.		
AC Adapter 2	Brand Name	FURBO	Model Name	MX520U
	Power Rating	I/P: 100 - 240Vac, 0.5 A, O/P: 5 Vdc, 2A		
USB Cable 1	Signal Line	1.8 meter, non-shielded cable, with ferrite core		
USB Cable 2	Signal Line	2 meter, non-shielded cable, w/o ferrite core		

2.5 Support Equipment

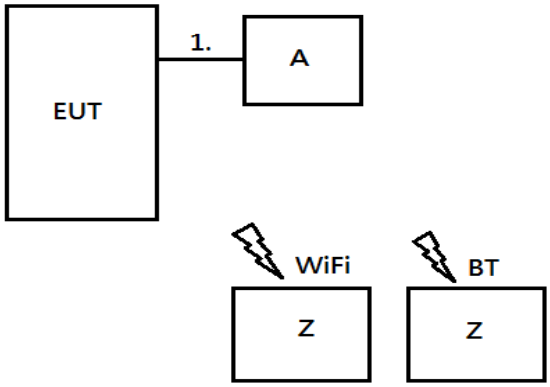
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	-	-	-	-

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook (WiFi)	DELL	Latitude E5520	DoC
2	Notebook (BT)	DELL	Latitude E5520	DoC

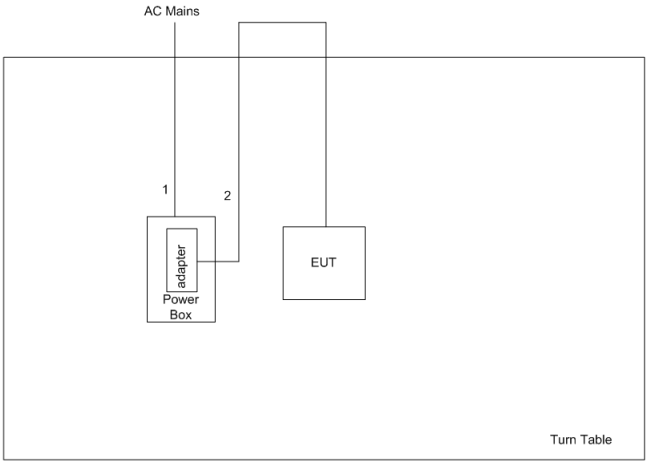
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length (m)	Remark
1	USB cable	No	1.95m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length (m)	Remark
1	AC power line	No	1.8m	-
2	USB cable	No	1.7m	-

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

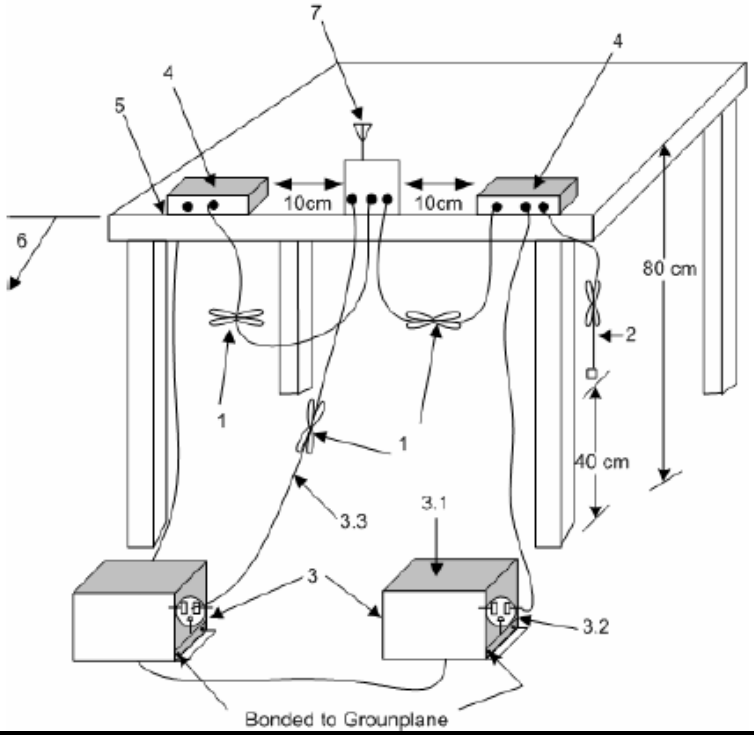
Refer a test equipment and calibration data table in this test report.

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.

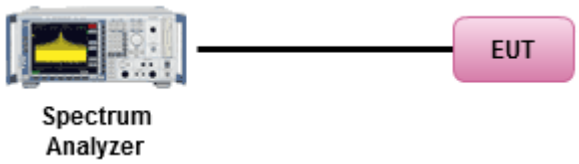
3.2.2 Measuring Instruments

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 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

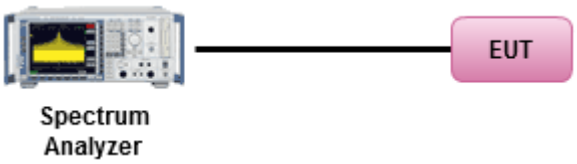
3.4.2 Measuring Instruments

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.	

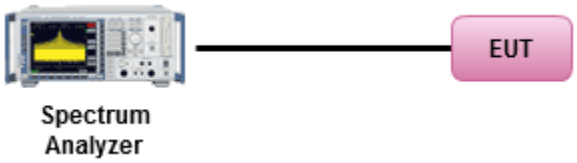
3.5.2 Measuring Instruments

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.

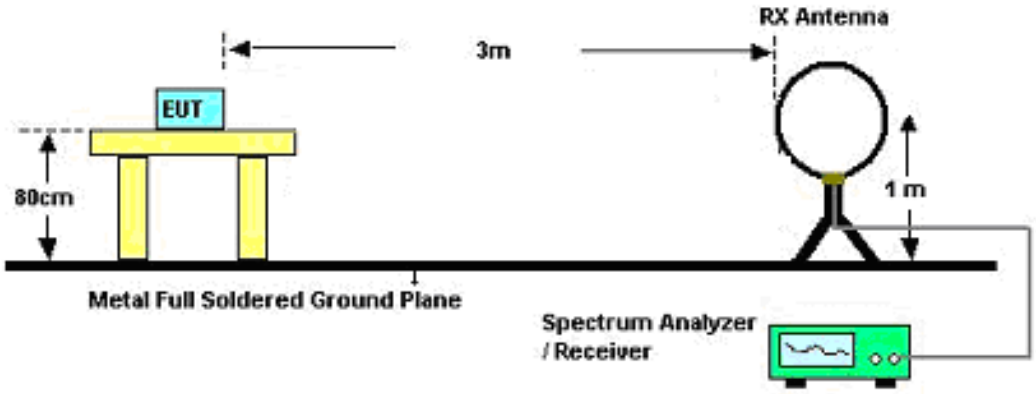
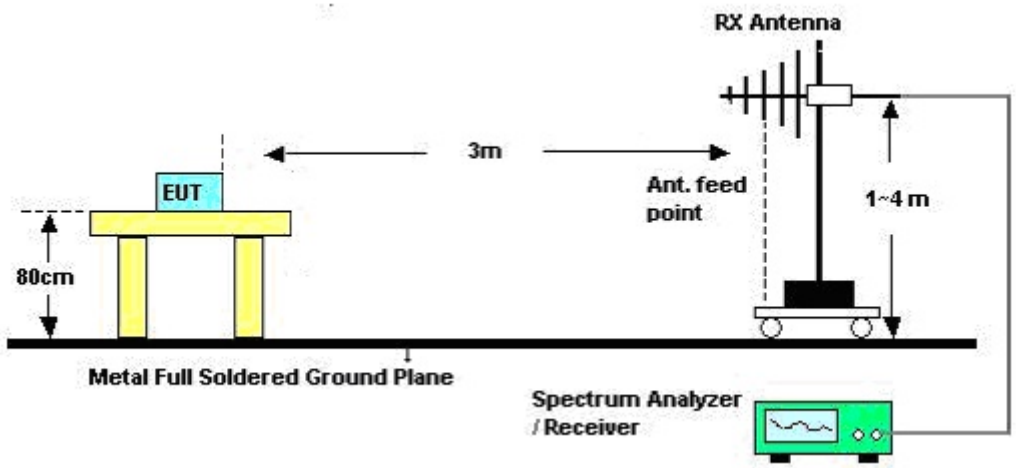
3.6.2 Measuring Instruments

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

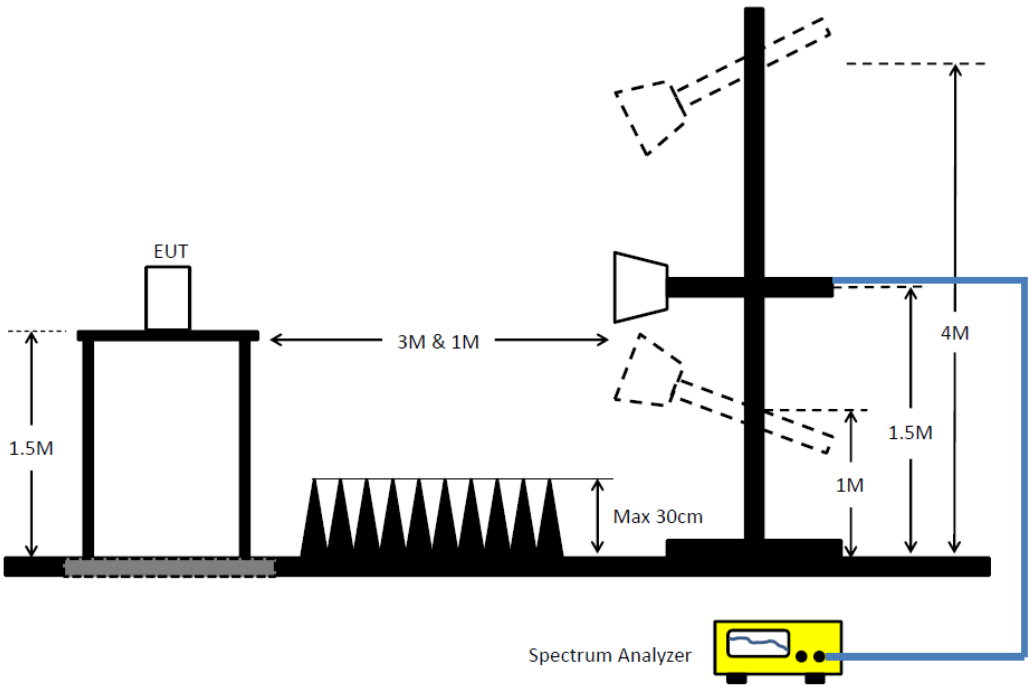
3.6.3 Test Procedures

Test Method
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪ For the transmitter unwanted emissions shall be measured using following options below:
▪ Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
☒ Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW≥1/T.
☒ Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:
▪ Refer as KDB 558074 clause 13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
▪ Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
▪ Refer as KDB 558074, clause 13.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2.
▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
▪ For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.6.4 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Test Receiver	R&S	ESR3	102051	9 KHz ~ 3.6 GHz	29/Apr/2017	28/Apr/2018
Two-Line V-Network	R&S	ENV 216	100003	9 kHz ~ 30 MHz	30/Aug/2016	29/Aug/2017
RF Cable-CON	Weiyang	WY200	CB018	9 kHz ~ 30 MHz	07/Feb/2017	06/Feb/2018
Impul sbegrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	20/Oct/2016	19/Oct/2017

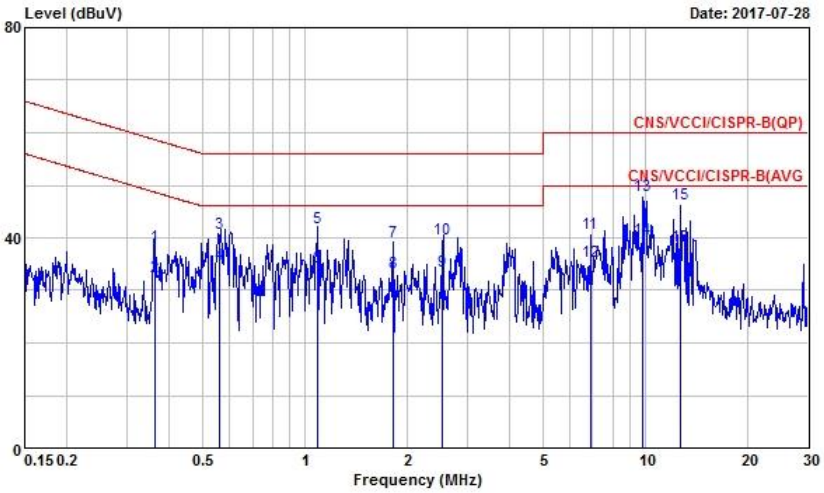
Instrument for Radiated Test

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	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
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

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP 40	100305	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	20/Jul/2017	19/Jul/2018

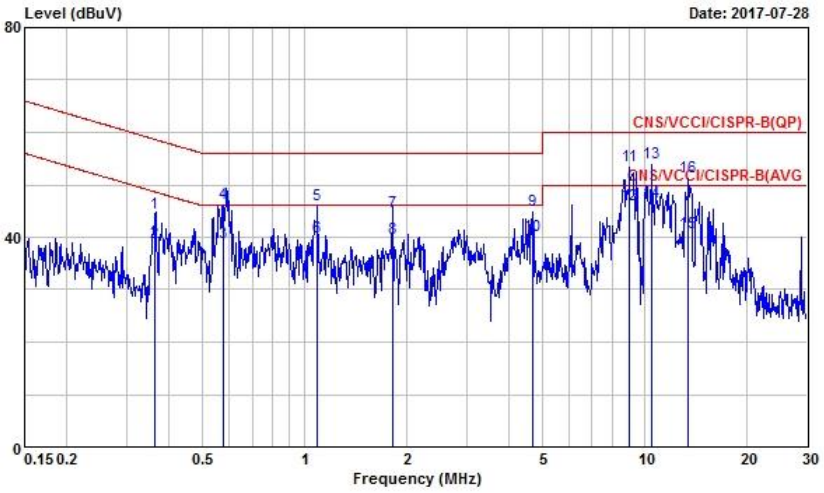
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	WiFi 2.4 link+ BT ON, CCD＋MIC + ADAPTER(MX520U) with USB cable1		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.363	38.52	-20.14	58.66	28.76	9.72	0.04	QP
2	0.363	32.45	-16.21	48.66	22.69	9.72	0.04	Average
3	0.558	40.84	-15.16	56.00	31.07	9.72	0.05	QP
4	0.558	35.03	-10.97	46.00	25.26	9.72	0.05	Average
5	1.086	41.91	-14.09	56.00	32.12	9.70	0.09	QP
6	1.086	34.47	-11.53	46.00	24.68	9.70	0.09	Average
7	1.810	39.17	-16.83	56.00	29.38	9.67	0.12	QP
8	1.810	33.37	-12.63	46.00	23.58	9.67	0.12	Average
9	2.533	33.63	-12.37	46.00	23.79	9.68	0.16	Average
10	2.533	39.61	-16.39	56.00	29.77	9.68	0.16	QP
11	6.875	40.74	-19.26	60.00	30.68	9.80	0.26	QP
12	6.875	35.56	-14.44	50.00	25.50	9.80	0.26	Average
13	9.770	47.96	-12.04	60.00	37.81	9.85	0.30	QP
14	9.770	39.71	-10.29	50.00	29.56	9.85	0.30	Average
15	12.664	46.36	-13.64	60.00	36.13	9.90	0.33	QP
16	12.664	38.35	-11.65	50.00	28.12	9.90	0.33	Average

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	2	**Power Phase**	Line
Operating Function	WiFi 2.4 link+ BT ON, CCD＋MIC + ADAPTER(MX520U) with USB cable1		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.362	44.55	-14.12	58.67	34.78	9.73	0.04	QP
2	0.362	38.98	-9.69	48.67	29.21	9.73	0.04	Average
3	0.577	38.86	-7.14	46.00	29.09	9.72	0.05	Average
4	0.577	46.42	-9.58	56.00	36.65	9.72	0.05	QP
5	1.083	46.23	-9.77	56.00	36.46	9.68	0.09	QP
6	1.083	40.01	-5.99	46.00	30.24	9.68	0.09	Average
7	1.806	44.92	-11.08	56.00	35.16	9.64	0.12	QP
8	1.806	39.69	-6.31	46.00	29.93	9.64	0.12	Average
9	4.697	45.14	-10.86	56.00	35.18	9.74	0.22	QP
10	4.697	40.20	-5.80	46.00	30.24	9.74	0.22	Average
11	9.037	53.58	-6.42	60.00	43.42	9.87	0.29	QP
12 @	9.037	46.02	-3.98	50.00	35.86	9.87	0.29	Average
13	10.485	54.10	-5.90	60.00	43.91	9.88	0.31	QP
14 @	10.490	46.61	-3.39	50.00	36.42	9.88	0.31	Average
15	13.379	40.67	-9.33	50.00	30.48	9.85	0.34	Average
16	13.379	51.42	-8.58	60.00	41.23	9.85	0.34	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	9.05M	14.093M	14M1G1D	8.025M	13.968M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	15M	16.492M	16M5D1D	14.975M	16.342M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	15.075M	17.641M	17M6D1D	13.8M	17.466M

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

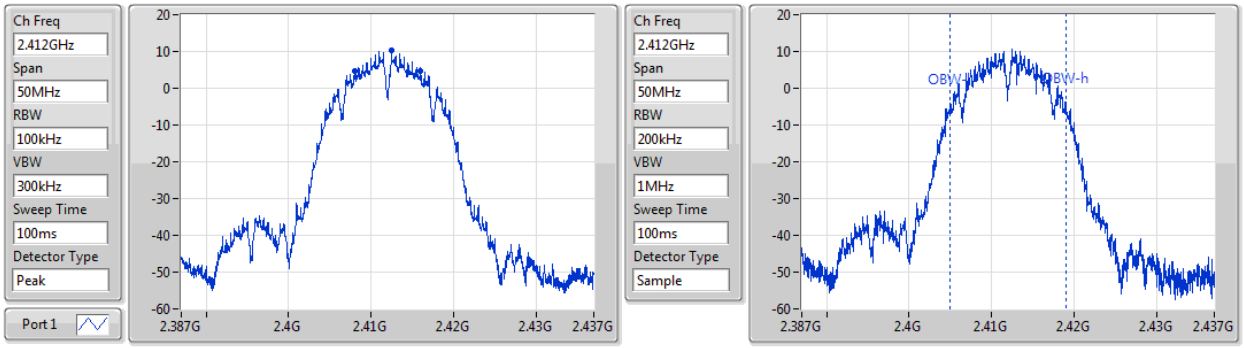
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	8.05M	13.968M
2437MHz	Pass	500k	9.05M	14.068M
2462MHz	Pass	500k	8.025M	14.093M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15M	16.392M
2437MHz	Pass	500k	15M	16.492M
2462MHz	Pass	500k	14.975M	16.342M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	13.8M	17.466M
2437MHz	Pass	500k	15.075M	17.641M
2462MHz	Pass	500k	14.9M	17.491M

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

802.11b_Nss1,(1Mbps)_1TX EBW

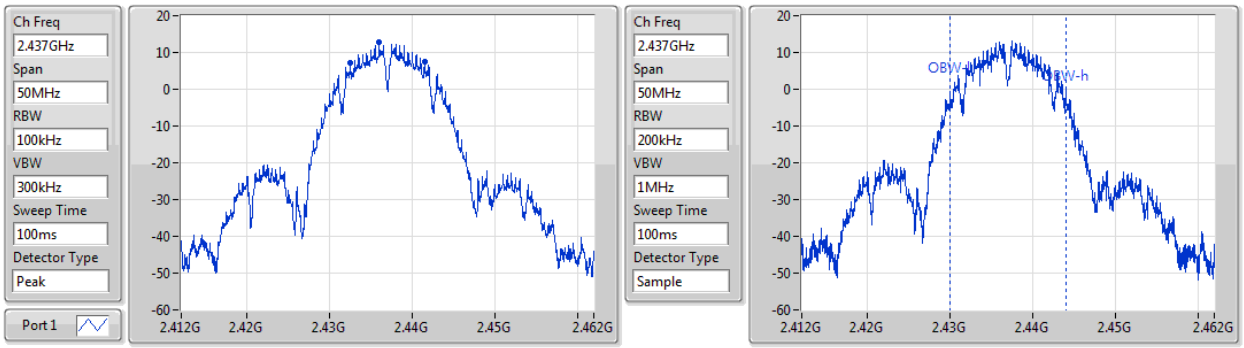
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.407975G	2.416025G	13.968M	2.405003G	2.418972G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

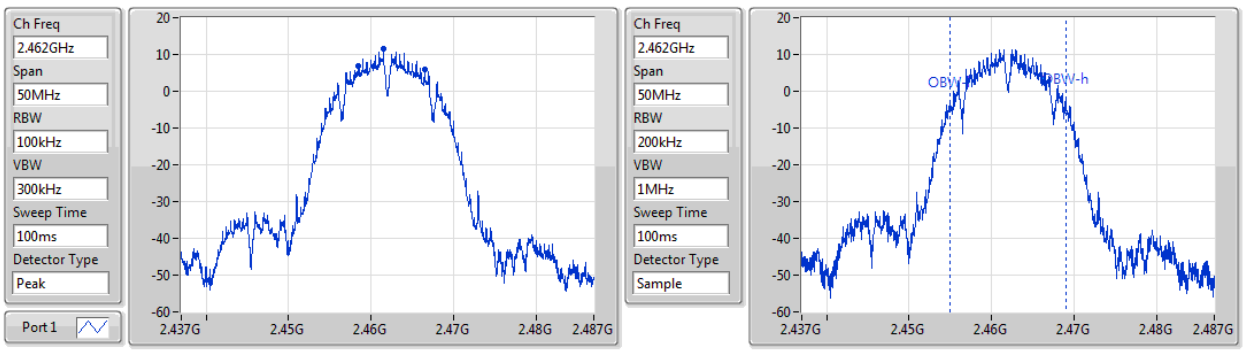
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	14.068M	2.429954G	2.444021G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

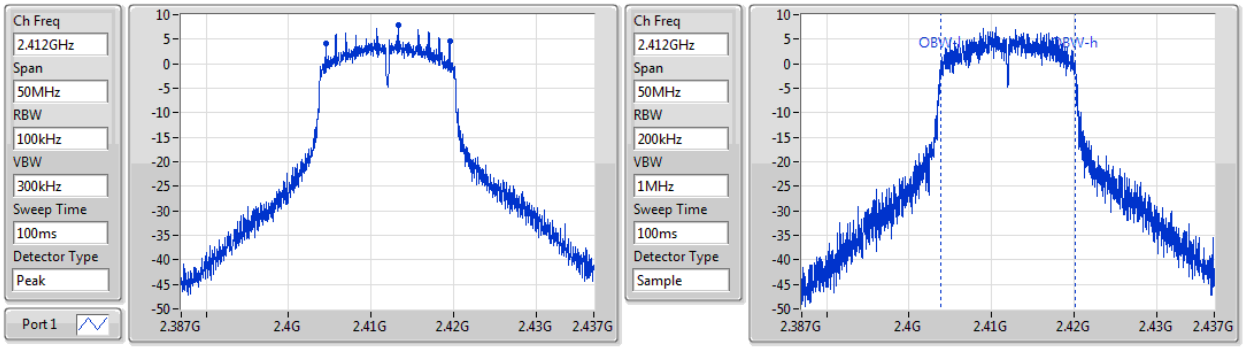
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.458475G	2.4665G	14.093M	2.454929G	2.469021G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

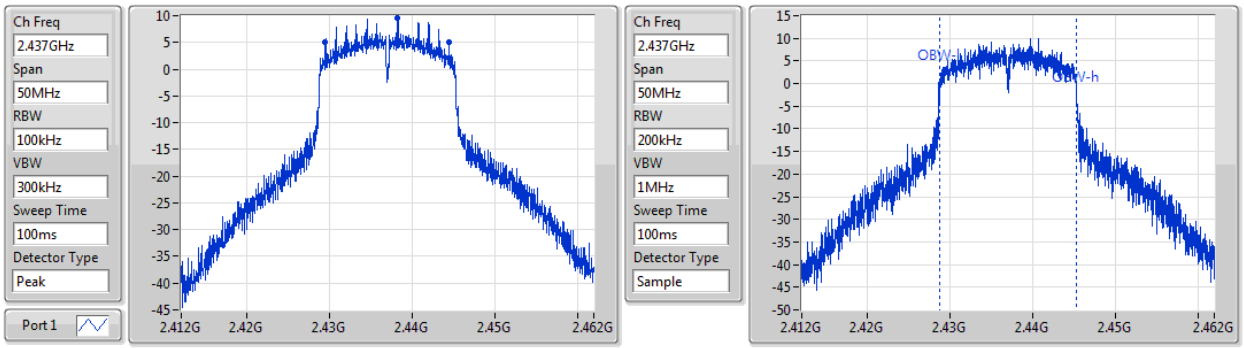
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.404525G	2.419525G	16.392M	2.403804G	2.420196G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

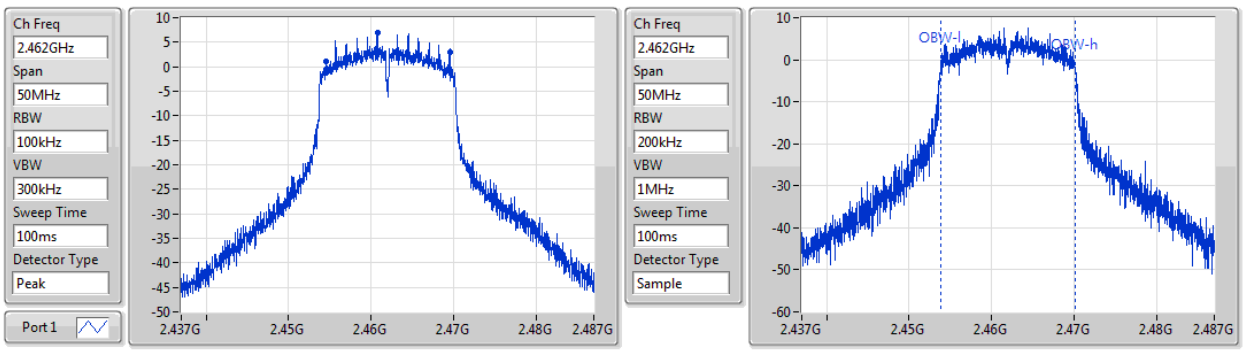
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.42945G	2.44445G	16.492M	2.428779G	2.445271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

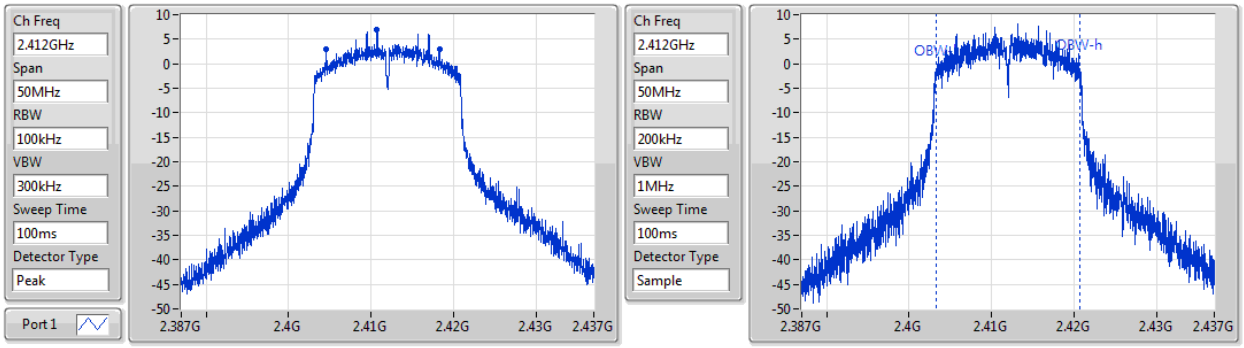
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.454575G	2.46955G	16.342M	2.453829G	2.470171G	500k	1

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

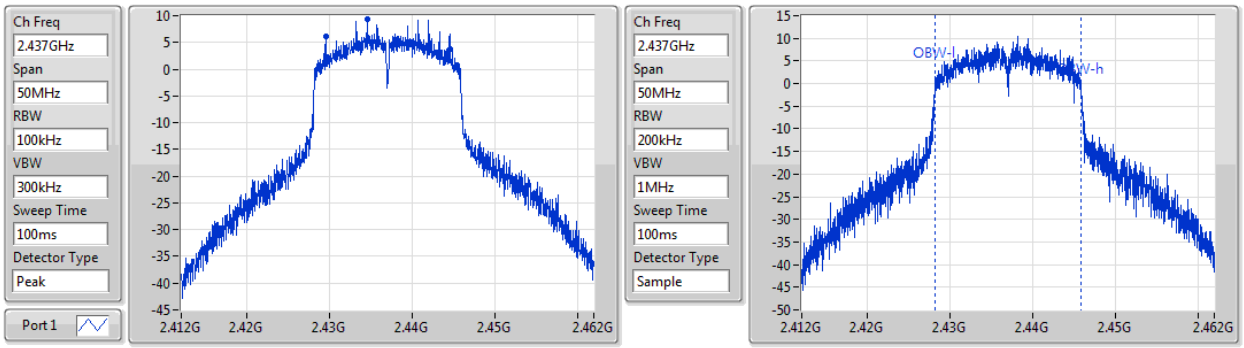
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.8M	2.404525G	2.418325G	17.466M	2.403254G	2.420721G	500k	1

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

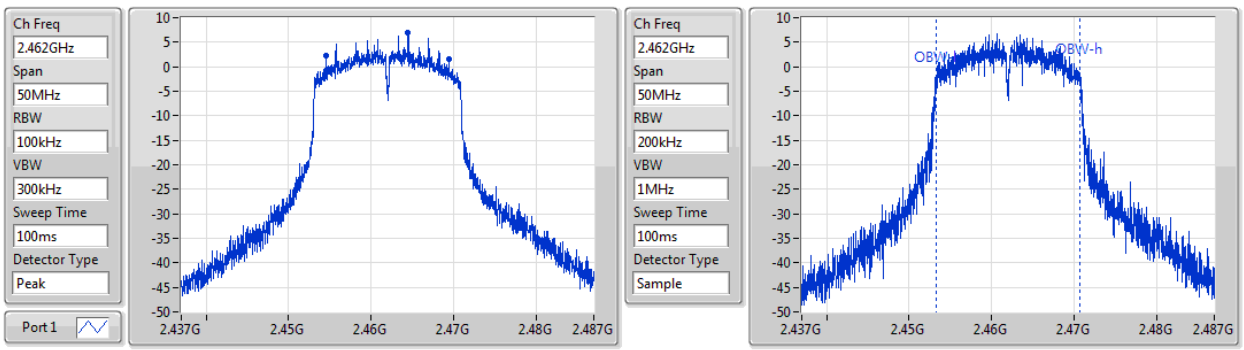
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.075M	2.4295G	2.444575G	17.641M	2.428204G	2.445846G	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
14.9M	2.45455G	2.46945G	17.491M	2.453254G	2.470746G	500k	1

Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_Nss1,(1Mbps)_1TX	-	-
2.4-2.4835GHz	21.48	0.14060
802.11g_Nss1,(6Mbps)_1TX	-	-
2.4-2.4835GHz	20.26	0.10617
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	20.23	0.10544

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	18.80	18.80	30.00
2437MHz	Pass	1.80	21.48	21.48	30.00
2462MHz	Pass	1.80	19.94	19.94	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	18.68	18.68	30.00
2437MHz	Pass	1.80	20.26	20.26	30.00
2462MHz	Pass	1.80	18.40	18.40	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	17.80	17.80	30.00
2437MHz	Pass	1.80	20.23	20.23	30.00
2462MHz	Pass	1.80	17.93	17.93	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-
2.4-2.4835GHz	-0.50
802.11g_Nss1,(6Mbps)_1TX	-
2.4-2.4835GHz	-5.37
802.11n HT20_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-5.74

RBW=3kHz.

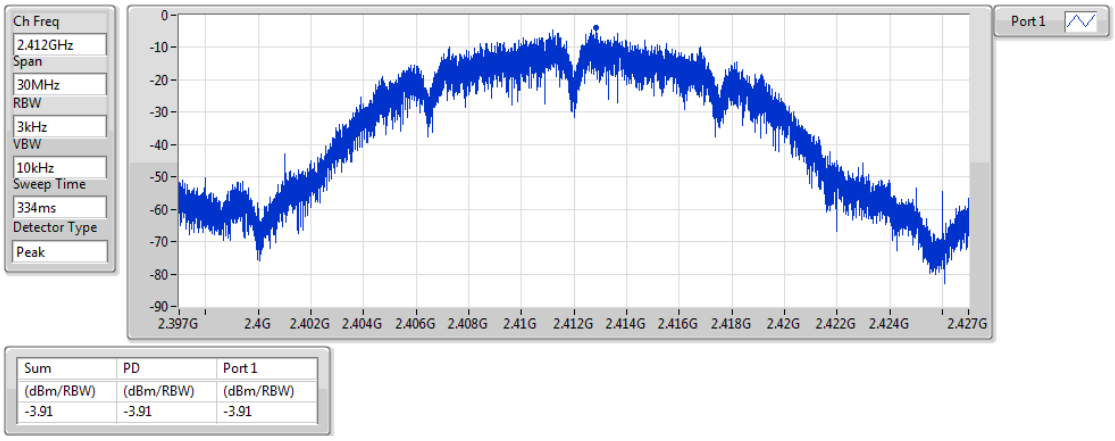
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	-3.91	-3.91	8.00
2437MHz	Pass	1.80	-0.50	-0.50	8.00
2462MHz	Pass	1.80	-2.53	-2.53	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	-7.68	-7.68	8.00
2437MHz	Pass	1.80	-5.37	-5.37	8.00
2462MHz	Pass	1.80	-7.26	-7.26	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.80	-7.90	-7.90	8.00
2437MHz	Pass	1.80	-5.74	-5.74	8.00
2462MHz	Pass	1.80	-8.53	-8.53	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**

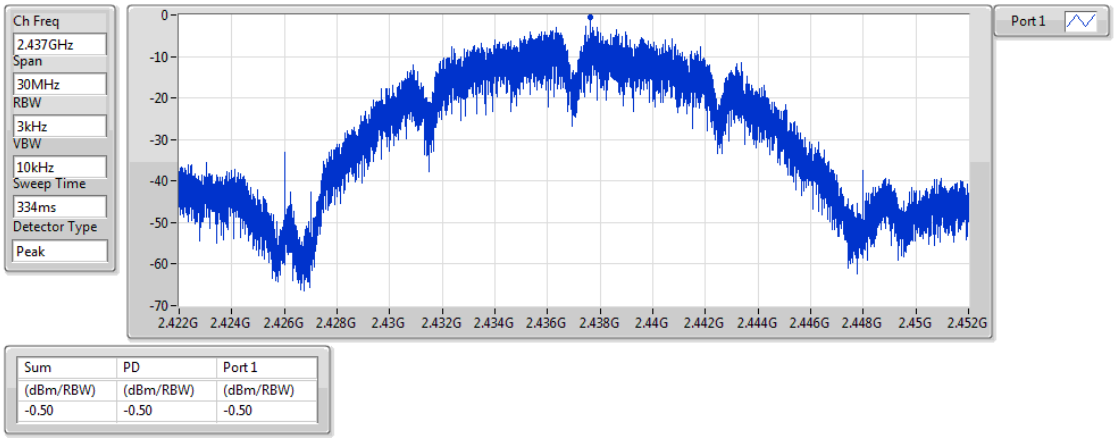
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.91	-3.91	-3.91

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

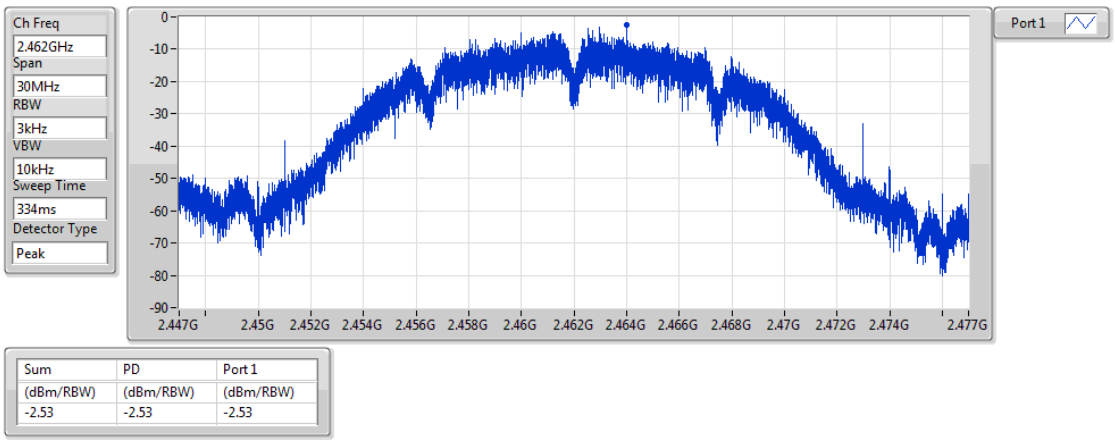
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.50	-0.50	-0.50

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

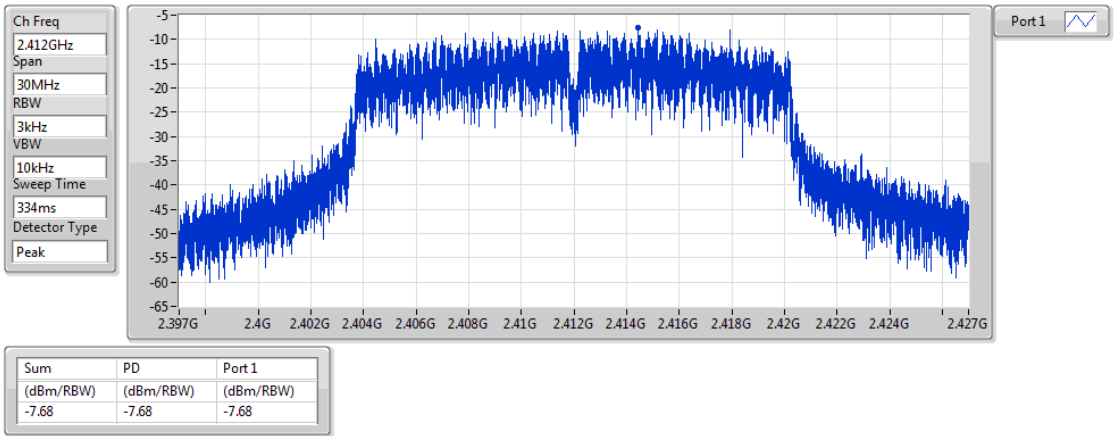
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.53	-2.53	-2.53

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

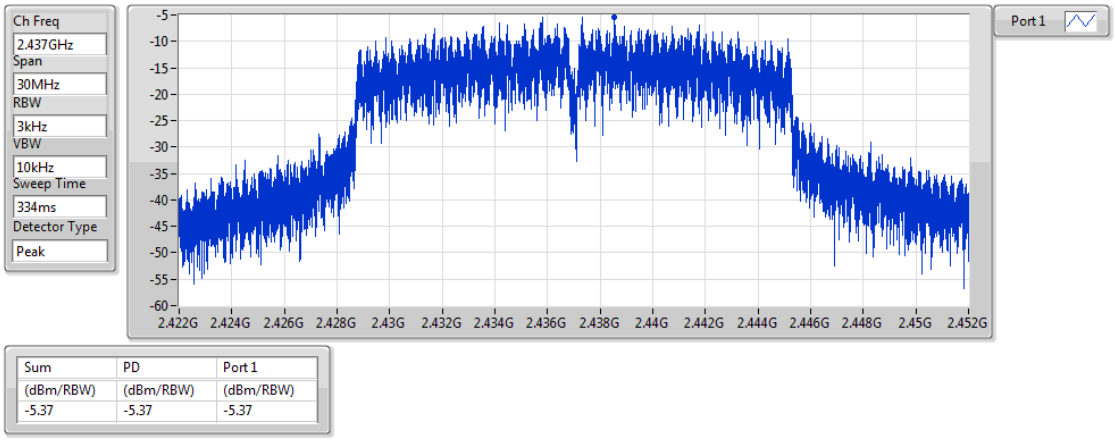
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.68	-7.68	-7.68

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

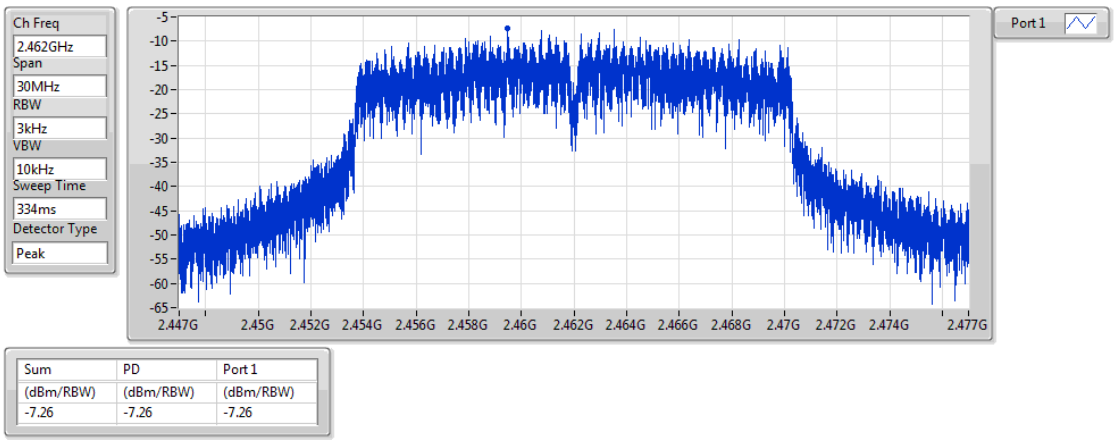
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.37	-5.37	-5.37

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

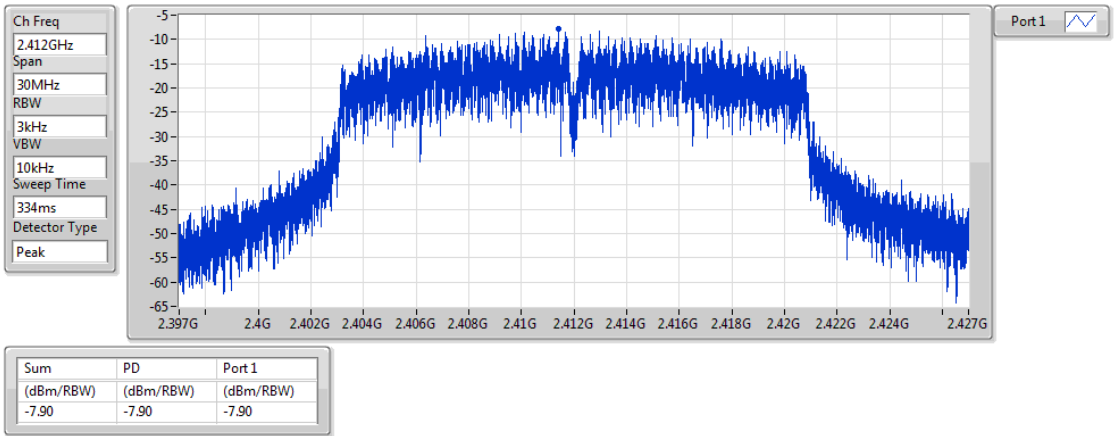
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-7.26

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

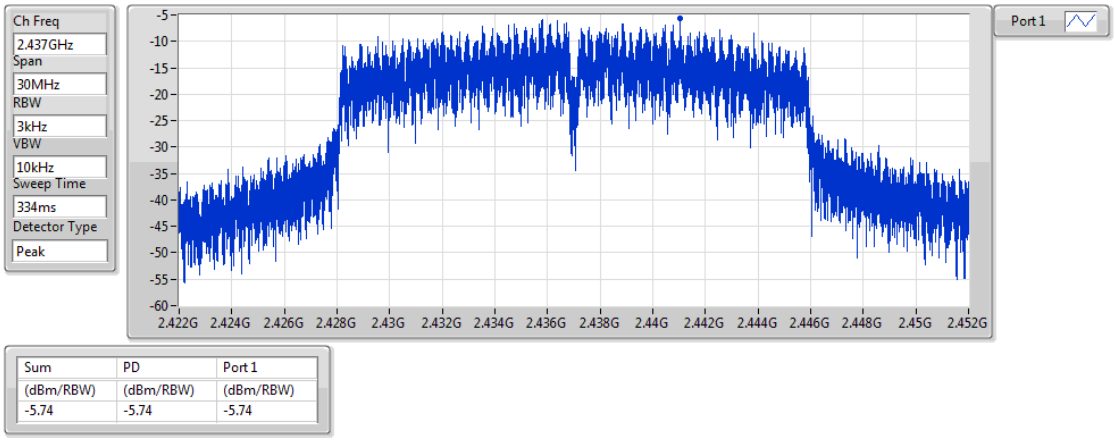
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.90	-7.90	-7.90

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

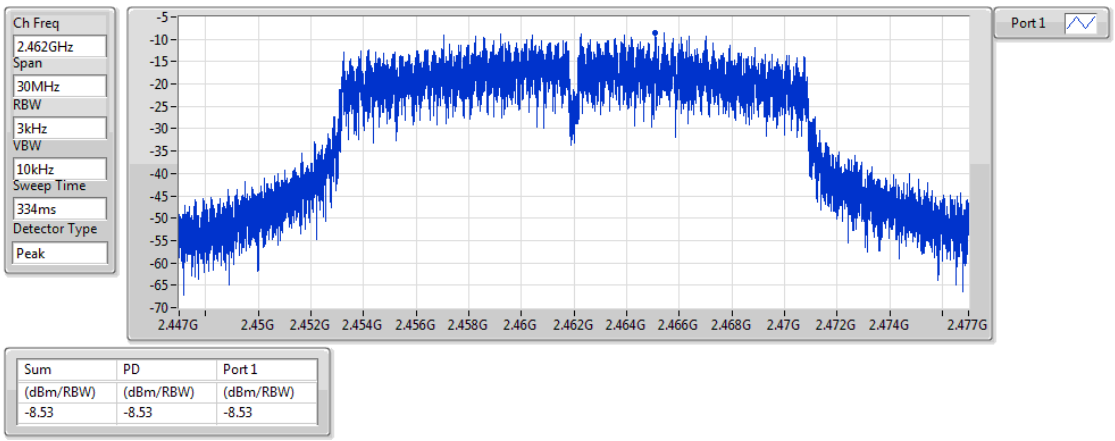
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.74	-5.74	-5.74

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

2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.53	-8.53	-8.53

Summary

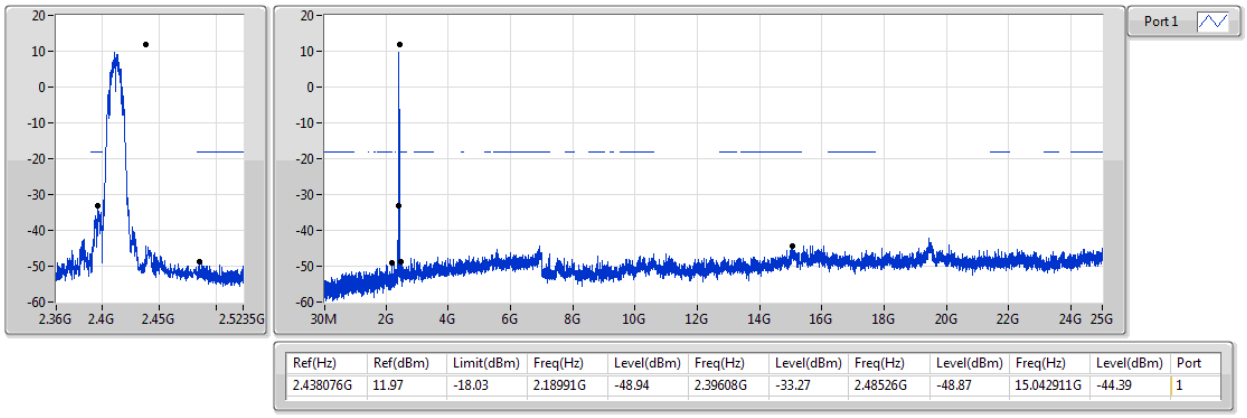
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.442084G	8.92	-21.08	2.044285G	-50.33	2.39992G	-24.48	2.4839G	-49.10	6.962609G	-44.29	1

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	2.438076G	11.97	-18.03	2.18991G	-48.94	2.39608G	-33.27	2.48526G	-48.87	15.042911G	-44.39	1
2437MHz	Pass	2.438076G	11.97	-18.03	1.80313G	-50.23	2.39952G	-44.69	2.51134G	-46.63	24.258276G	-44.84	1
2462MHz	Pass	2.438076G	11.97	-18.03	2.30874G	-49.35	2.39096G	-49.88	2.49854G	-46.00	15.101911G	-44.81	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442084G	8.92	-21.08	2.044285G	-50.33	2.39992G	-24.48	2.4839G	-49.10	6.962609G	-44.29	1
2437MHz	Pass	2.442084G	8.92	-21.08	1.920795G	-48.71	2.39896G	-45.50	2.48534G	-46.14	15.04572G	-42.73	1
2462MHz	Pass	2.442084G	8.92	-21.08	2.30874G	-47.84	2.39208G	-49.67	2.48382G	-36.79	15.056958G	-44.61	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.439579G	10.07	-19.93	699.875M	-50.30	2.39992G	-23.75	2.4907G	-49.72	15.10753G	-44.24	1
2437MHz	Pass	2.439579G	10.07	-19.93	1.997685G	-49.71	2.3976G	-45.31	2.49422G	-46.52	6.996324G	-43.48	1
2462MHz	Pass	2.439579G	10.07	-19.93	1.97322G	-49.63	2.39056G	-49.33	2.48382G	-37.20	15.04853G	-43.66	1

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

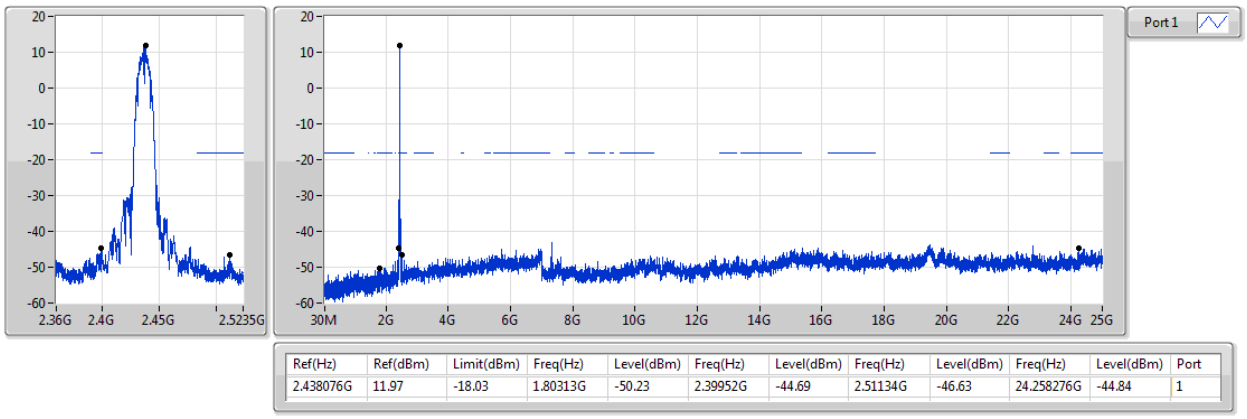
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	11.97	-18.03	2.18991G	-48.94	2.39608G	-33.27	2.48526G	-48.87	15.042911G	-44.39	1

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

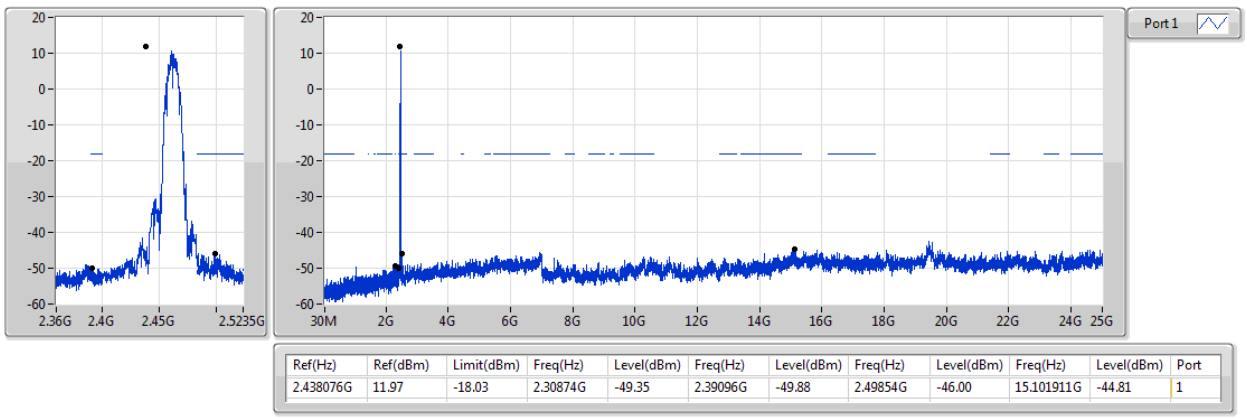
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	11.97	-18.03	1.80313G	-50.23	2.39952G	-44.69	2.51134G	-46.63	24.258276G	-44.84	1

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

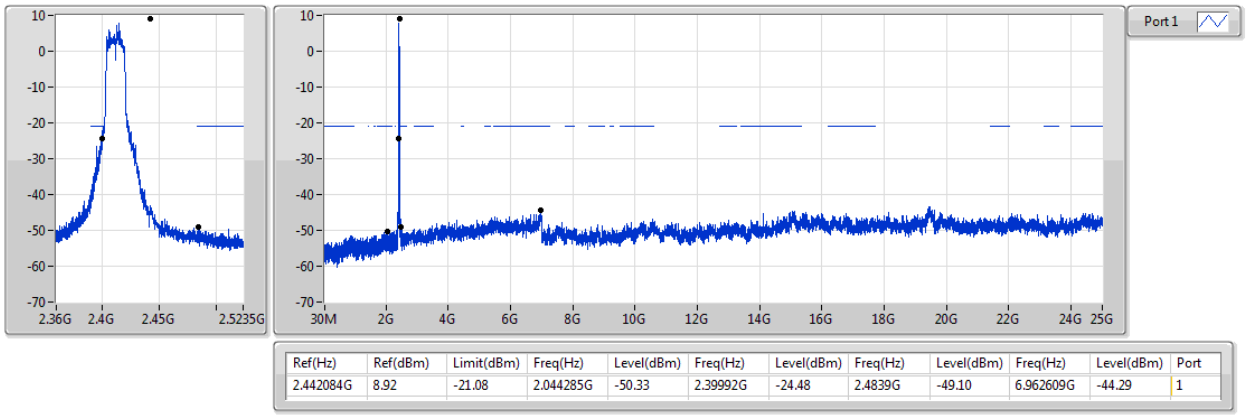
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.438076G	11.97	-18.03	2.30874G	-49.35	2.39096G	-49.88	2.49854G	-46.00	15.101911G	-44.81	1

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

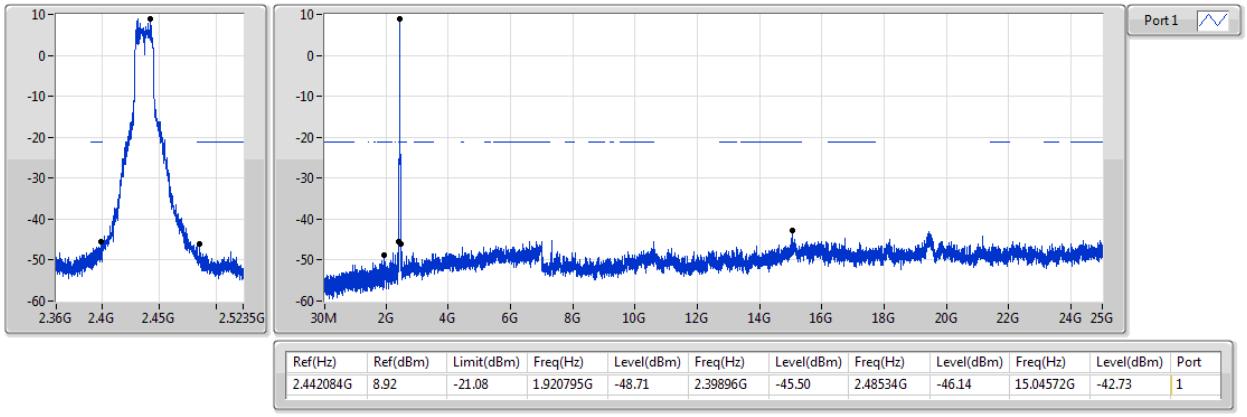
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	8.92	-21.08	2.044285G	-50.33	2.39992G	-24.48	2.4839G	-49.10	6.962609G	-44.29	1

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

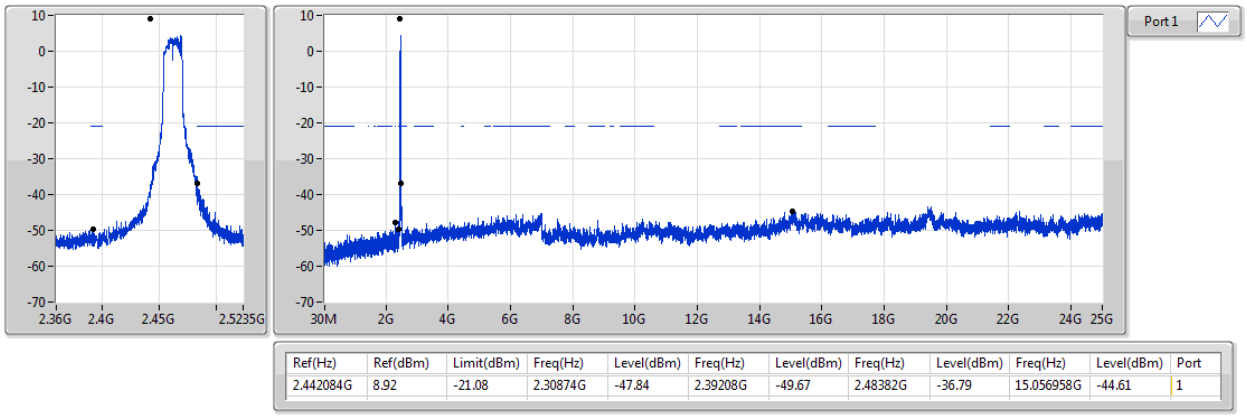
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	8.92	-21.08	1.920795G	-48.71	2.39896G	-45.50	2.48534G	-46.14	15.04572G	-42.73	1

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

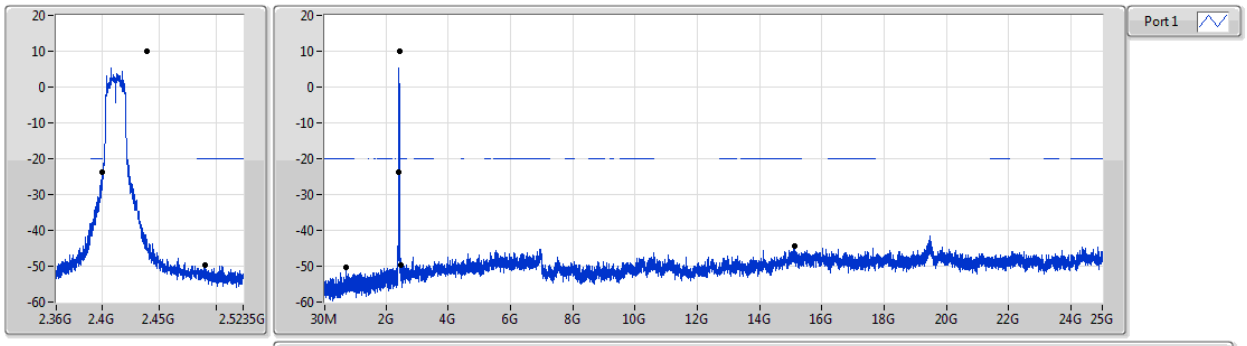
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442084G	8.92	-21.08	2.30874G	-47.84	2.39208G	-49.67	2.48382G	-36.79	15.056958G	-44.61	1

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

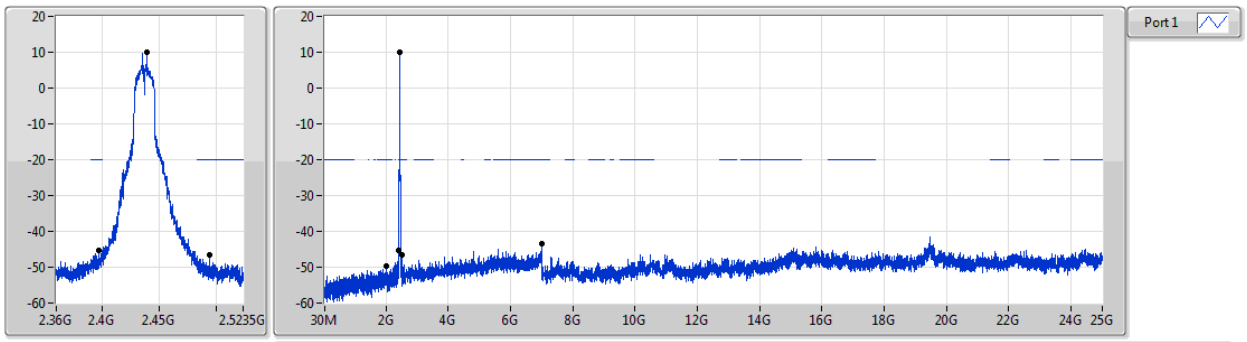
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	10.07	-19.93	699.875M	-50.30	2.39992G	-23.75	2.4907G	-49.72	15.10753G	-44.24	1

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

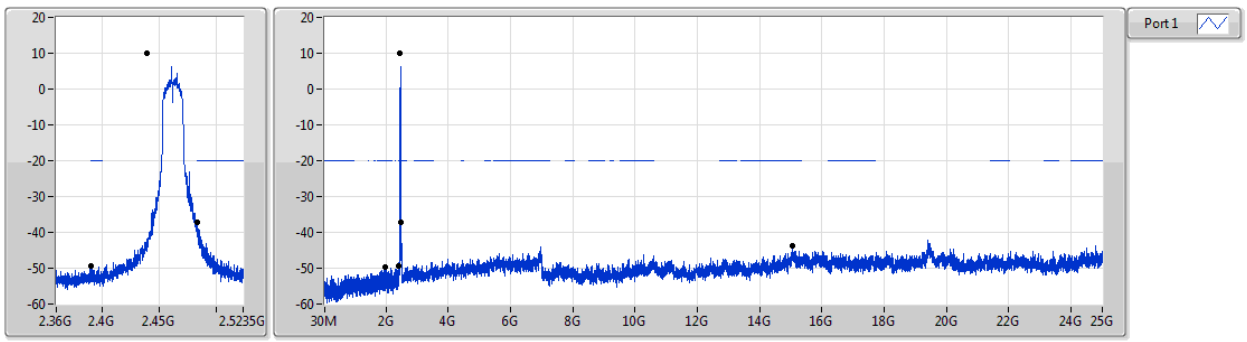
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.439579G	10.07	-19.93	1.997685G	-49.71	2.3976G	-45.31	2.49422G	-46.52	6.996324G	-43.48	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
2.439579G	10.07	-19.93	1.97322G	-49.63	2.39056G	-49.33	2.48382G	-37.20	15.04853G	-43.66	1

Summary

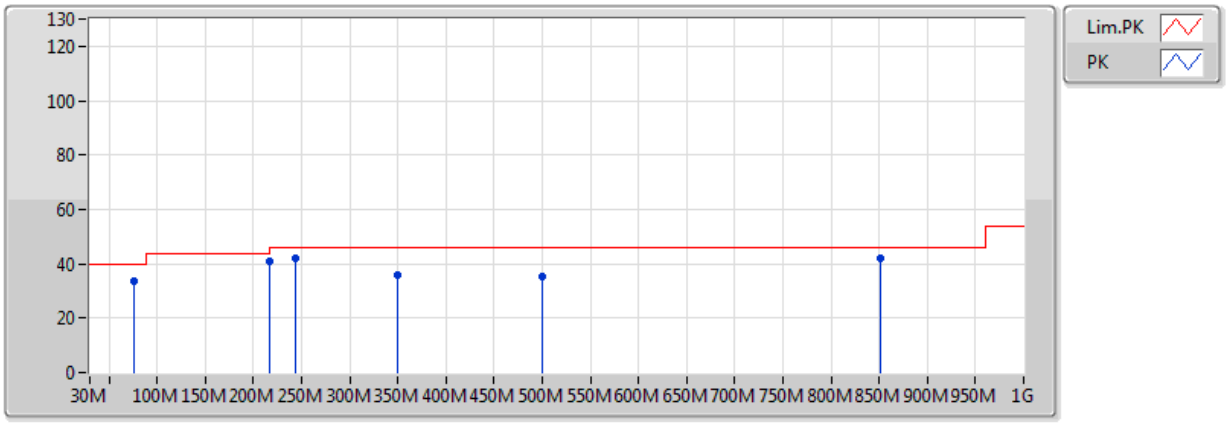
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	295.78M	42.48	46.00	-3.52	-6.54	3	Horizontal	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	130.88M	35.13	43.50	-8.37	-9.10	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	268.62M	42.31	46.00	-3.69	-6.92	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	295.78M	42.48	46.00	-3.52	-6.54	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	431.58M	39.22	46.00	-6.78	-3.48	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	701.24M	38.47	46.00	-7.53	-0.32	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	833.16M	38.34	46.00	-7.66	1.77	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	216.24M	40.77	46.00	-5.23	-11.02	3	Vertical	0	1.00	-
2437MHz	Pass	PK	243.4M	42.27	46.00	-3.73	-8.38	3	Vertical	0	1.00	-
2437MHz	Pass	PK	350.1M	36.08	46.00	-9.92	-5.52	3	Vertical	0	1.00	-
2437MHz	Pass	PK	499.48M	35.43	46.00	-10.57	-2.57	3	Vertical	0	1.00	-
2437MHz	Pass	PK	850.62M	42.28	46.00	-3.72	2.12	3	Vertical	0	1.00	-
2437MHz	Pass	QP	76.56M	33.86	40.00	-6.14	-14.69	3	Vertical	359	1.00	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_Adapter

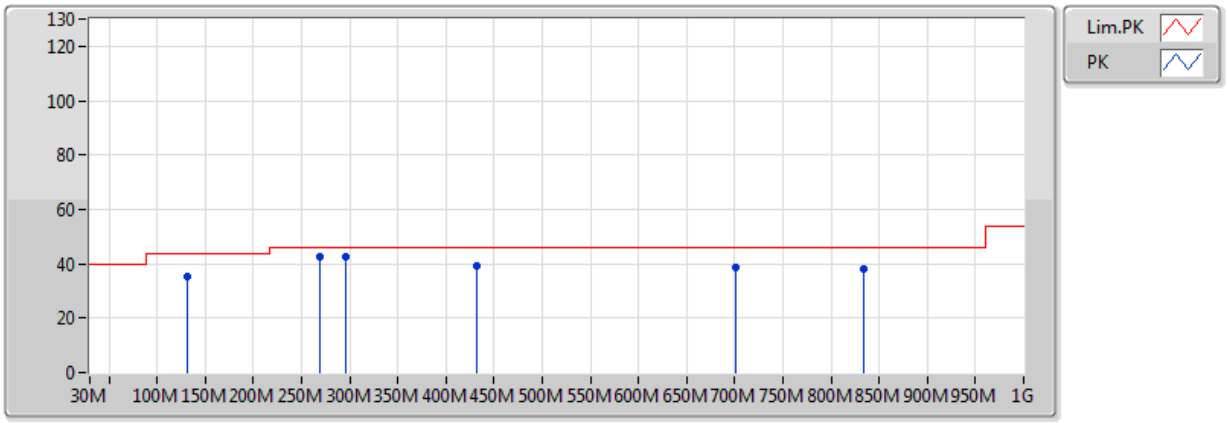


EUT = Y

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	216.24M	40.77	46.00	-5.23	-11.02	3	Vertical	0	1.00	-	51.79	14.16	2.22	27.40
PK	243.4M	42.27	46.00	-3.73	-8.38	3	Vertical	0	1.00	-	50.65	16.75	2.21	27.33
PK	350.1M	36.08	46.00	-9.92	-5.52	3	Vertical	0	1.00	-	41.60	19.46	2.60	27.58
PK	499.48M	35.43	46.00	-10.57	-2.57	3	Vertical	0	1.00	-	38.00	22.53	3.39	28.49
PK	850.62M	42.28	46.00	-3.72	2.12	3	Vertical	0	1.00	-	40.16	25.25	4.73	27.86
QP	76.56M	33.86	40.00	-6.14	-14.69	3	Vertical	359	1.00	-	48.55	11.79	1.22	27.69

802.11n HT20_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	130.88M	35.13	43.50	-8.37	-9.10	3	Horizontal	0	1.00	-	44.23	16.88	1.72	27.70
PK	268.62M	42.31	46.00	-3.69	-6.92	3	Horizontal	0	1.00	-	49.23	18.03	2.32	27.27
PK	295.78M	42.48	46.00	-3.52	-6.54	3	Horizontal	0	1.00	-	49.02	18.16	2.50	27.21
PK	431.58M	39.22	46.00	-6.78	-3.48	3	Horizontal	0	1.00	-	42.70	21.49	3.16	28.13
PK	701.24M	38.47	46.00	-7.53	-0.32	3	Horizontal	0	1.00	-	38.79	23.96	4.10	28.38
PK	833.16M	38.34	46.00	-7.66	1.77	3	Horizontal	0	1.00	-	36.57	25.11	4.60	27.94

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.3836G	53.68	54.00	-0.32	30.91	3	Vertical	101	2.91	-

Result

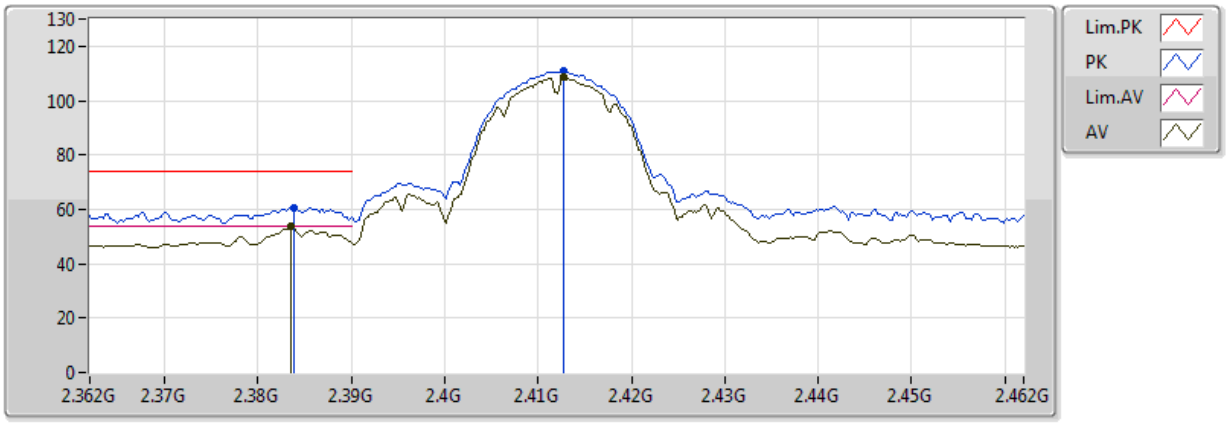
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3838G	46.95	54.00	-7.05	30.91	3	Horizontal	15	3.56	-
2412MHz	Pass	AV	2.4128G	102.55	Inf	-Inf	31.02	3	Horizontal	15	3.56	-
2412MHz	Pass	AV	4.824G	31.41	54.00	-22.59	2.16	3	Horizontal	320	1.24	-
2412MHz	Pass	PK	2.3774G	58.42	74.00	-15.58	30.89	3	Horizontal	15	3.56	-
2412MHz	Pass	PK	2.4128G	104.96	Inf	-Inf	31.02	3	Horizontal	15	3.56	-
2412MHz	Pass	PK	4.824G	42.36	74.00	-31.64	2.16	3	Horizontal	320	1.24	-
2412MHz	Pass	AV	2.3836G	53.68	54.00	-0.32	30.91	3	Vertical	101	2.91	-
2412MHz	Pass	AV	2.4128G	108.55	Inf	-Inf	31.02	3	Vertical	101	2.91	-
2412MHz	Pass	AV	4.824G	34.67	54.00	-19.33	2.16	3	Vertical	187	1.65	-
2412MHz	Pass	PK	2.3838G	60.38	74.00	-13.62	30.91	3	Vertical	101	2.91	-
2412MHz	Pass	PK	2.4128G	110.83	Inf	-Inf	31.02	3	Vertical	101	2.91	-
2412MHz	Pass	PK	4.824G	42.63	74.00	-31.37	2.16	3	Vertical	187	1.65	-
2437MHz	Pass	AV	2.3382G	46.60	54.00	-7.40	30.75	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	2.4378G	104.22	Inf	-Inf	31.11	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	2.4886G	47.25	54.00	-6.75	31.29	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	7.311G	50.31	54.00	-3.69	7.60	3	Horizontal	312	3.65	-
2437MHz	Pass	PK	2.3874G	57.29	74.00	-16.71	30.93	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	2.4378G	106.55	Inf	-Inf	31.11	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	2.489G	57.29	74.00	-16.71	31.29	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	7.311G	54.83	74.00	-19.17	7.60	3	Horizontal	312	3.65	-
2437MHz	Pass	AV	2.3866G	51.24	54.00	-2.76	30.92	3	Vertical	194	2.62	-
2437MHz	Pass	AV	2.4378G	110.55	Inf	-Inf	31.11	3	Vertical	194	2.62	-
2437MHz	Pass	AV	2.4882G	49.70	54.00	-4.30	31.29	3	Vertical	194	2.62	-
2437MHz	Pass	AV	7.311G	53.08	54.00	-0.92	7.60	3	Vertical	360	1.50	-
2437MHz	Pass	PK	2.385G	60.28	74.00	-13.72	30.92	3	Vertical	194	2.62	-
2437MHz	Pass	PK	2.4362G	112.88	Inf	-Inf	31.10	3	Vertical	194	2.62	-
2437MHz	Pass	PK	2.4886G	59.16	74.00	-14.84	31.29	3	Vertical	194	2.62	-
2437MHz	Pass	PK	7.311G	57.21	74.00	-16.79	7.60	3	Vertical	360	1.50	-
2462MHz	Pass	AV	2.4612G	101.26	Inf	-Inf	31.19	3	Horizontal	342	1.06	-
2462MHz	Pass	AV	2.488G	46.24	54.00	-7.76	31.29	3	Horizontal	342	1.06	-
2462MHz	Pass	AV	7.386G	43.48	54.00	-10.52	7.80	3	Horizontal	347	1.24	-
2462MHz	Pass	PK	2.461G	104.99	Inf	-Inf	31.19	3	Horizontal	342	1.06	-
2462MHz	Pass	PK	2.491G	57.11	74.00	-16.89	31.30	3	Horizontal	342	1.06	-
2462MHz	Pass	PK	7.386G	52.18	74.00	-21.82	7.80	3	Horizontal	347	1.24	-
2462MHz	Pass	AV	2.4612G	106.26	Inf	-Inf	31.19	3	Vertical	168	1.64	-
2462MHz	Pass	AV	2.4878G	52.06	54.00	-1.94	31.29	3	Vertical	168	1.64	-
2462MHz	Pass	AV	7.386G	48.54	54.00	-5.46	7.80	3	Vertical	0	1.50	-
2462MHz	Pass	PK	2.463G	110.03	Inf	-Inf	31.20	3	Vertical	168	1.64	-
2462MHz	Pass	PK	2.488G	60.34	74.00	-13.66	31.29	3	Vertical	168	1.64	-
2462MHz	Pass	PK	7.386G	55.24	74.00	-18.76	7.80	3	Vertical	0	1.50	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	45.85	54.00	-8.15	30.93	3	Horizontal	21	3.57	-
2412MHz	Pass	AV	2.4132G	94.82	Inf	-Inf	31.02	3	Horizontal	21	3.57	-
2412MHz	Pass	AV	4.824G	30.13	54.00	-23.87	2.16	3	Horizontal	74	1.99	-
2412MHz	Pass	PK	2.39G	57.26	74.00	-16.74	30.93	3	Horizontal	21	3.57	-
2412MHz	Pass	PK	2.4136G	104.60	Inf	-Inf	31.02	3	Horizontal	21	3.57	-
2412MHz	Pass	PK	4.824G	44.45	74.00	-29.55	2.16	3	Horizontal	74	1.99	-

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	2.39G	53.14	54.00	-0.86	30.93	3	Vertical	103	2.63	-
2412MHz	Pass	AV	2.4102G	101.39	Inf	-Inf	31.01	3	Vertical	103	2.63	-
2412MHz	Pass	AV	4.824G	31.01	54.00	-22.99	2.16	3	Vertical	107	2.39	-
2412MHz	Pass	PK	2.39G	66.26	74.00	-7.74	30.93	3	Vertical	103	2.63	-
2412MHz	Pass	PK	2.412G	112.13	Inf	-Inf	31.01	3	Vertical	103	2.63	-
2412MHz	Pass	PK	4.824G	44.69	74.00	-29.31	2.16	3	Vertical	107	2.39	-
2437MHz	Pass	AV	2.3894G	43.61	54.00	-10.39	30.93	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	2.4386G	97.81	Inf	-Inf	31.11	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	2.4842G	44.78	54.00	-9.22	31.27	3	Horizontal	338	1.86	-
2437MHz	Pass	AV	7.311G	38.48	54.00	-15.52	7.60	3	Horizontal	0	1.50	-
2437MHz	Pass	PK	2.389998G	54.42	74.00	-19.58	30.93	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	2.4398G	107.73	Inf	-Inf	31.11	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	2.487G	56.87	74.00	-17.13	31.28	3	Horizontal	338	1.86	-
2437MHz	Pass	PK	7.311G	53.34	74.00	-20.66	7.60	3	Horizontal	0	1.50	-
2437MHz	Pass	AV	2.389998G	46.33	54.00	-7.67	30.93	3	Vertical	200	2.63	-
2437MHz	Pass	AV	2.4354G	103.67	Inf	-Inf	31.10	3	Vertical	200	2.63	-
2437MHz	Pass	AV	2.483502G	46.07	54.00	-7.93	31.27	3	Vertical	200	2.63	-
2437MHz	Pass	AV	7.311G	43.70	54.00	-10.30	7.60	3	Vertical	360	1.50	-
2437MHz	Pass	PK	2.3894G	58.36	74.00	-15.64	30.93	3	Vertical	200	2.63	-
2437MHz	Pass	PK	2.437G	113.30	Inf	-Inf	31.10	3	Vertical	200	2.63	-
2437MHz	Pass	PK	2.483502G	59.70	74.00	-14.30	31.27	3	Vertical	200	2.63	-
2437MHz	Pass	PK	7.311G	59.18	74.00	-14.82	7.60	3	Vertical	360	1.50	-
2462MHz	Pass	AV	2.461G	94.49	Inf	-Inf	31.19	3	Horizontal	345	1.09	-
2462MHz	Pass	AV	2.4838G	48.78	54.00	-5.22	31.27	3	Horizontal	345	1.09	-
2462MHz	Pass	AV	7.386G	37.16	54.00	-16.84	7.80	3	Horizontal	348	1.50	-
2462MHz	Pass	PK	2.466G	104.90	Inf	-Inf	31.21	3	Horizontal	345	1.09	-
2462MHz	Pass	PK	2.483502G	63.16	74.00	-10.84	31.27	3	Horizontal	345	1.09	-
2462MHz	Pass	PK	7.386G	51.92	74.00	-22.08	7.80	3	Horizontal	348	1.50	-
2462MHz	Pass	AV	2.4634G	99.51	Inf	-Inf	31.20	3	Vertical	164	2.06	-
2462MHz	Pass	AV	2.483502G	52.80	54.00	-1.20	31.27	3	Vertical	164	2.06	-
2462MHz	Pass	AV	7.386G	39.17	54.00	-14.83	7.80	3	Vertical	0	1.50	-
2462MHz	Pass	PK	2.4646G	109.87	Inf	-Inf	31.20	3	Vertical	164	2.06	-
2462MHz	Pass	PK	2.4844G	69.69	74.00	-4.31	31.27	3	Vertical	164	2.06	-
2462MHz	Pass	PK	7.386G	54.08	74.00	-19.92	7.80	3	Vertical	0	1.50	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	46.21	54.00	-7.79	30.93	3	Horizontal	15	3.56	-
2412MHz	Pass	AV	2.4134G	94.18	Inf	-Inf	31.02	3	Horizontal	15	3.56	-
2412MHz	Pass	AV	4.824G	29.43	54.00	-24.57	2.16	3	Horizontal	62	197	-
2412MHz	Pass	PK	2.39G	58.06	74.00	-15.94	30.93	3	Horizontal	15	3.56	-
2412MHz	Pass	PK	2.4158G	104.91	Inf	-Inf	31.03	3	Horizontal	15	3.56	-
2412MHz	Pass	PK	4.824G	44.34	74.00	-29.66	2.16	3	Horizontal	62	197	-
2412MHz	Pass	AV	2.39G	53.63	54.00	-0.37	30.93	3	Vertical	103	2.62	-
2412MHz	Pass	AV	2.4098G	101.06	Inf	-Inf	31.01	3	Vertical	103	2.62	-
2412MHz	Pass	AV	4.824G	30.10	54.00	-23.90	2.16	3	Vertical	218	1.50	-
2412MHz	Pass	PK	2.3898G	67.69	74.00	-6.31	30.93	3	Vertical	103	2.62	-
2412MHz	Pass	PK	2.41G	110.68	Inf	-Inf	31.01	3	Vertical	103	2.62	-
2412MHz	Pass	PK	4.824G	44.56	74.00	-29.44	2.16	3	Vertical	218	1.50	-
2437MHz	Pass	AV	2.3886G	43.73	54.00	-10.27	30.93	3	Horizontal	338	1.85	-
2437MHz	Pass	AV	2.439G	97.16	Inf	-Inf	31.11	3	Horizontal	338	1.85	-

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	2.485G	44.91	54.00	-9.09	31.28	3	Horizontal	338	1.85	-
2437MHz	Pass	AV	7.311G	38.10	54.00	-15.90	7.60	3	Horizontal	349	1.50	-
2437MHz	Pass	PK	2.377G	54.63	74.00	-19.37	30.89	3	Horizontal	338	1.85	-
2437MHz	Pass	PK	2.4382G	107.63	Inf	-Inf	31.11	3	Horizontal	338	1.85	-
2437MHz	Pass	PK	2.483502G	58.16	74.00	-15.84	31.27	3	Horizontal	338	1.85	-
2437MHz	Pass	PK	7.311G	52.20	74.00	-21.80	7.60	3	Horizontal	349	1.50	-
2437MHz	Pass	AV	2.389G	46.38	54.00	-7.62	30.93	3	Vertical	192	2.59	-
2437MHz	Pass	AV	2.4386G	103.66	Inf	-Inf	31.11	3	Vertical	192	2.59	-
2437MHz	Pass	AV	2.483502G	47.17	54.00	-6.83	31.27	3	Vertical	192	2.59	-
2437MHz	Pass	AV	7.311G	43.37	54.00	-10.63	7.60	3	Vertical	0	1.50	-
2437MHz	Pass	PK	2.3866G	57.80	74.00	-16.20	30.92	3	Vertical	192	2.59	-
2437MHz	Pass	PK	2.4406G	113.01	Inf	-Inf	31.12	3	Vertical	192	2.59	-
2437MHz	Pass	PK	2.4846G	60.49	74.00	-13.51	31.27	3	Vertical	192	2.59	-
2437MHz	Pass	PK	7.311G	58.55	74.00	-15.45	7.60	3	Vertical	0	1.50	-
2462MHz	Pass	AV	2.4632G	93.36	Inf	-Inf	31.20	3	Horizontal	342	1.78	-
2462MHz	Pass	AV	2.483502G	48.88	54.00	-5.12	31.27	3	Horizontal	342	1.78	-
2462MHz	Pass	AV	7.386G	36.91	54.00	-17.09	7.80	3	Horizontal	18	1.55	-
2462MHz	Pass	PK	2.4656G	104.56	Inf	-Inf	31.21	3	Horizontal	342	1.78	-
2462MHz	Pass	PK	2.4842G	67.50	74.00	-6.50	31.27	3	Horizontal	342	1.78	-
2462MHz	Pass	PK	7.386G	50.52	74.00	-23.48	7.80	3	Horizontal	18	1.55	-
2462MHz	Pass	AV	2.4604G	99.18	Inf	-Inf	31.19	3	Vertical	169	1.61	-
2462MHz	Pass	AV	2.483502G	53.54	54.00	-0.46	31.27	3	Vertical	169	1.61	-
2462MHz	Pass	AV	7.386G	39.29	54.00	-14.71	7.80	3	Vertical	359	1.62	-
2462MHz	Pass	PK	2.4602G	109.76	Inf	-Inf	31.19	3	Vertical	169	1.61	-
2462MHz	Pass	PK	2.4838G	71.53	74.00	-2.47	31.27	3	Vertical	169	1.61	-
2462MHz	Pass	PK	7.386G	53.69	74.00	-20.31	7.80	3	Vertical	359	1.62	-

802.11b_(1Mbps)_1TX

2412MHz_TX

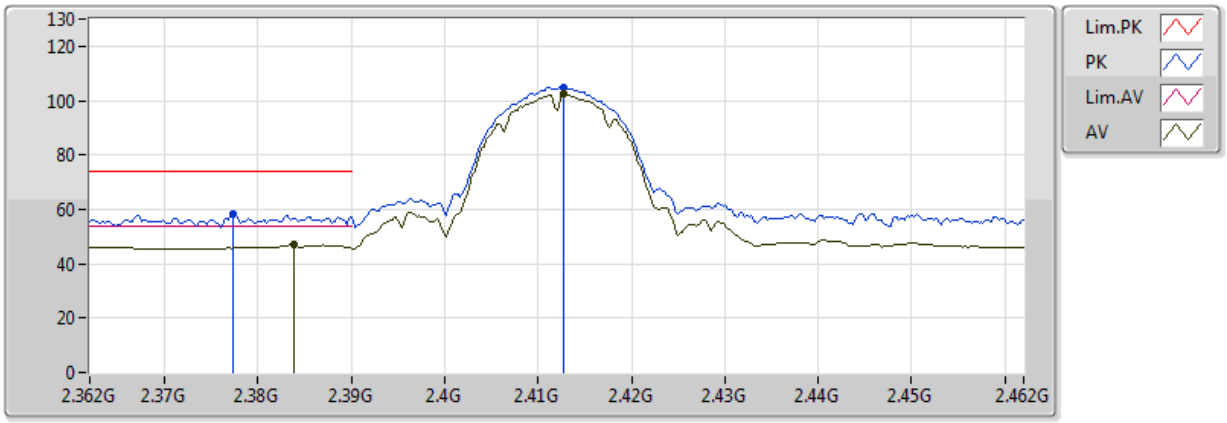


EUT = Y

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	2.3836G	53.68	54.00	-0.32	30.91	3	Vertical	101	2.91	-	22.77	27.30	3.62	-
AV	2.4128G	108.55	Inf	-Inf	31.02	3	Vertical	101	2.91	-	77.54	27.37	3.64	-
PK	2.3838G	60.38	74.00	-13.62	30.91	3	Vertical	101	2.91	-	29.47	27.30	3.62	-
PK	2.4128G	110.83	Inf	-Inf	31.02	3	Vertical	101	2.91	-	79.81	27.37	3.64	-

802.11b_(1Mbps)_1TX

2412MHz_TX

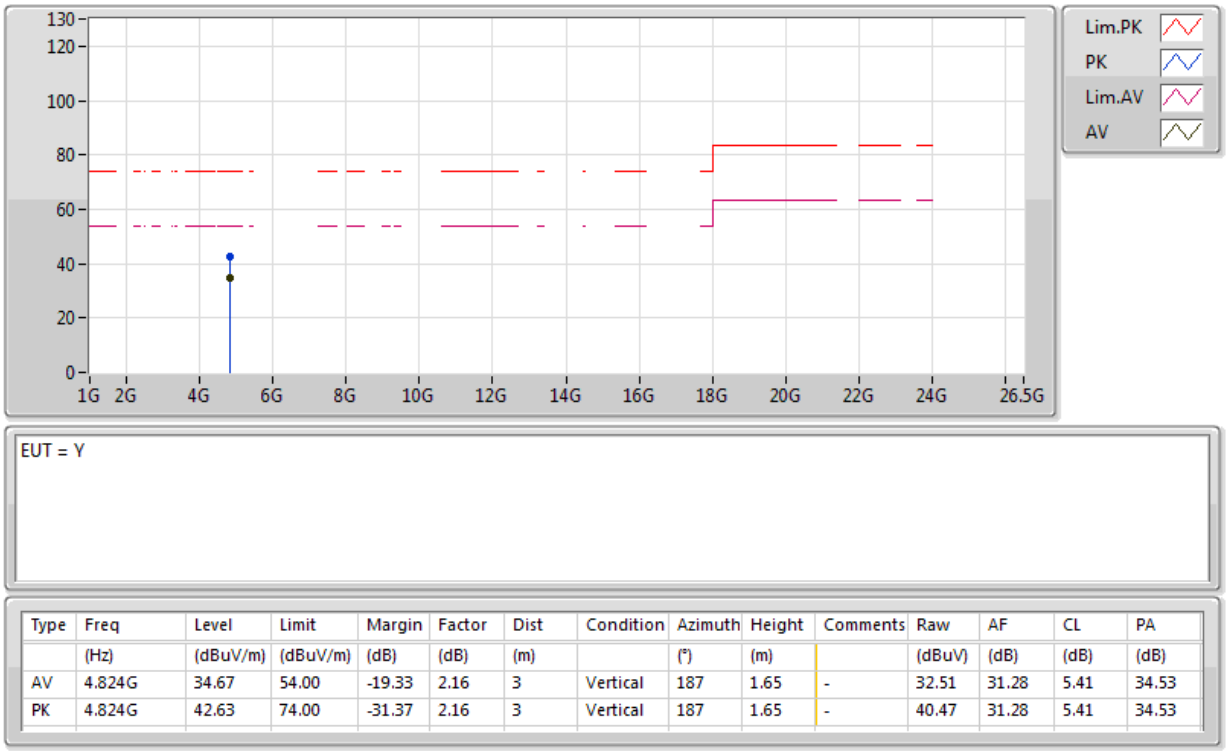


EUT = Y

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	2.3838G	46.95	54.00	-7.05	30.91	3	Horizontal	15	3.56	-	16.04	27.30	3.62	-
AV	2.4128G	102.55	Inf	-Inf	31.02	3	Horizontal	15	3.56	-	71.54	27.37	3.64	-
PK	2.3774G	58.42	74.00	-15.58	30.89	3	Horizontal	15	3.56	-	27.53	27.28	3.61	-
PK	2.4128G	104.96	Inf	-Inf	31.02	3	Horizontal	15	3.56	-	73.95	27.37	3.64	-

802.11b_(1Mbps)_1TX

2412MHz_TX

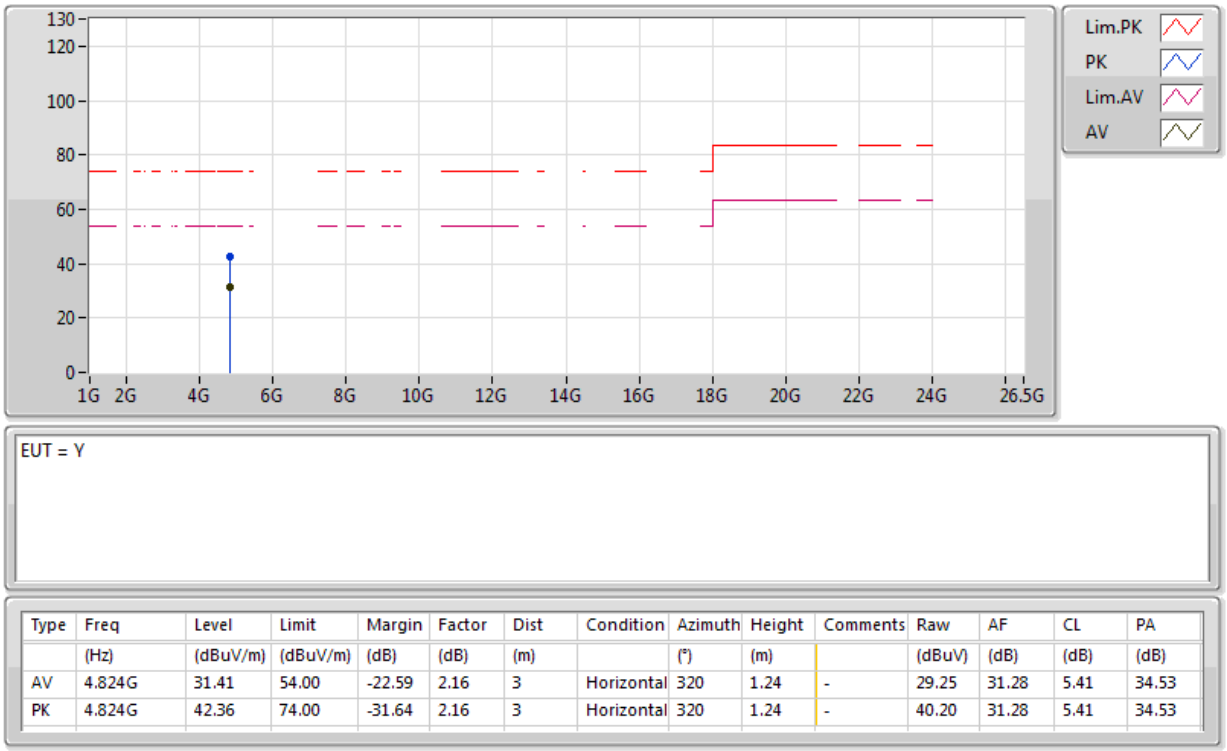


EUT = Y

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	4.824G	34.67	54.00	-19.33	2.16	3	Vertical	187	1.65	-	32.51	31.28	5.41	34.53
PK	4.824G	42.63	74.00	-31.37	2.16	3	Vertical	187	1.65	-	40.47	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2412MHz_TX

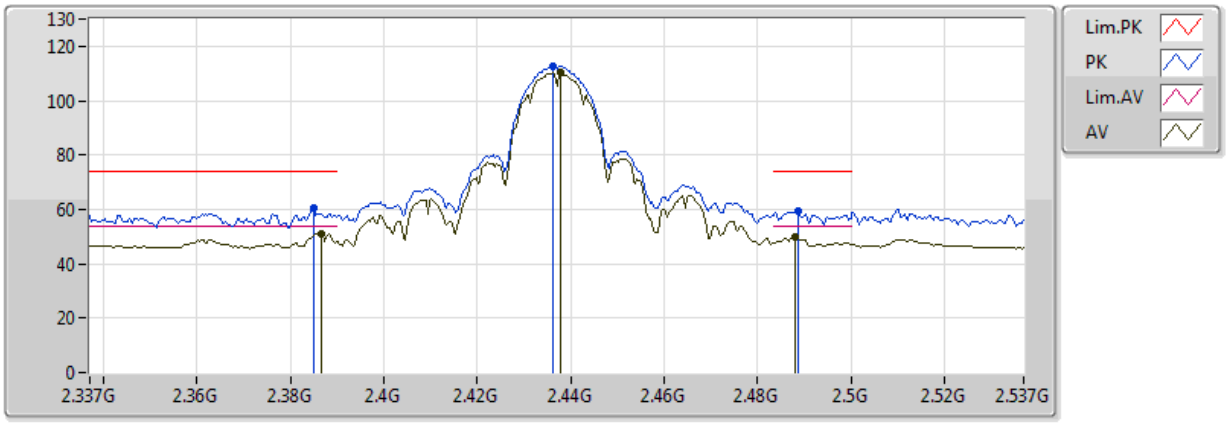


EUT = Y

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	4.824G	31.41	54.00	-22.59	2.16	3	Horizontal	320	1.24	-	29.25	31.28	5.41	34.53
PK	4.824G	42.36	74.00	-31.64	2.16	3	Horizontal	320	1.24	-	40.20	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2437MHz_TX

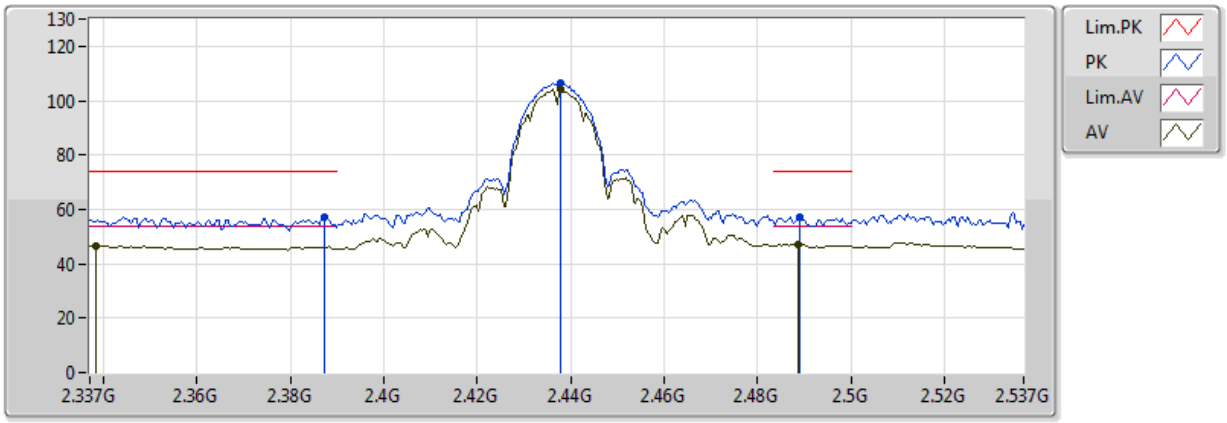


EUT = Y

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	2.3866G	51.24	54.00	-2.76	30.92	3	Vertical	194	2.62	-	20.32	27.31	3.62	-
AV	2.4378G	110.55	Inf	-Inf	31.11	3	Vertical	194	2.62	-	79.44	27.44	3.67	-
AV	2.4882G	49.70	54.00	-4.30	31.29	3	Vertical	194	2.62	-	18.41	27.57	3.72	-
PK	2.385G	60.28	74.00	-13.72	30.92	3	Vertical	194	2.62	-	29.36	27.30	3.62	-
PK	2.4362G	112.88	Inf	-Inf	31.10	3	Vertical	194	2.62	-	81.78	27.43	3.67	-
PK	2.4886G	59.16	74.00	-14.84	31.29	3	Vertical	194	2.62	-	27.88	27.57	3.72	-

802.11b_(1Mbps)_1TX

2437MHz_TX

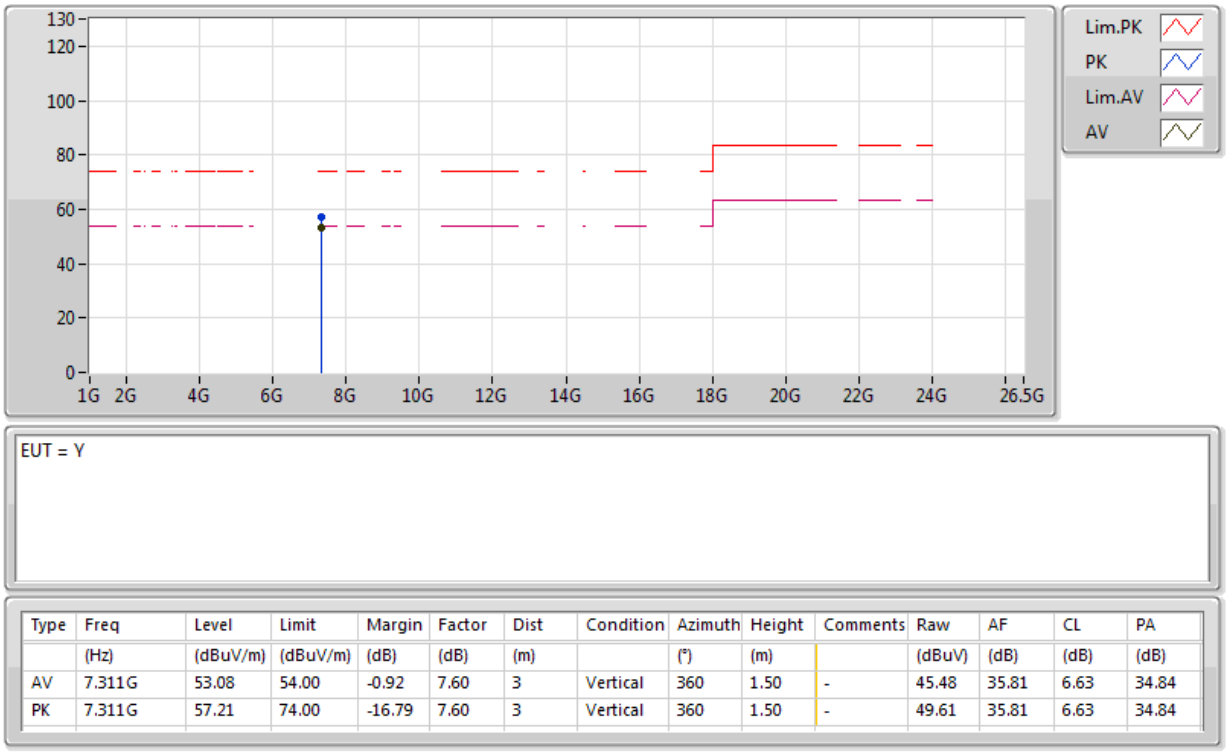


EUT = Y

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	2.3382G	46.60	54.00	-7.40	30.75	3	Horizontal	338	1.86	-	15.85	27.18	3.57	-
AV	2.4378G	104.22	Inf	-Inf	31.11	3	Horizontal	338	1.86	-	73.11	27.44	3.67	-
AV	2.4886G	47.25	54.00	-6.75	31.29	3	Horizontal	338	1.86	-	15.96	27.57	3.72	-
PK	2.3874G	57.29	74.00	-16.71	30.93	3	Horizontal	338	1.86	-	26.36	27.31	3.62	-
PK	2.4378G	106.55	Inf	-Inf	31.11	3	Horizontal	338	1.86	-	75.45	27.44	3.67	-
PK	2.489G	57.29	74.00	-16.71	31.29	3	Horizontal	338	1.86	-	26.00	27.57	3.72	-

802.11b_(1Mbps)_1TX

2437MHz_TX

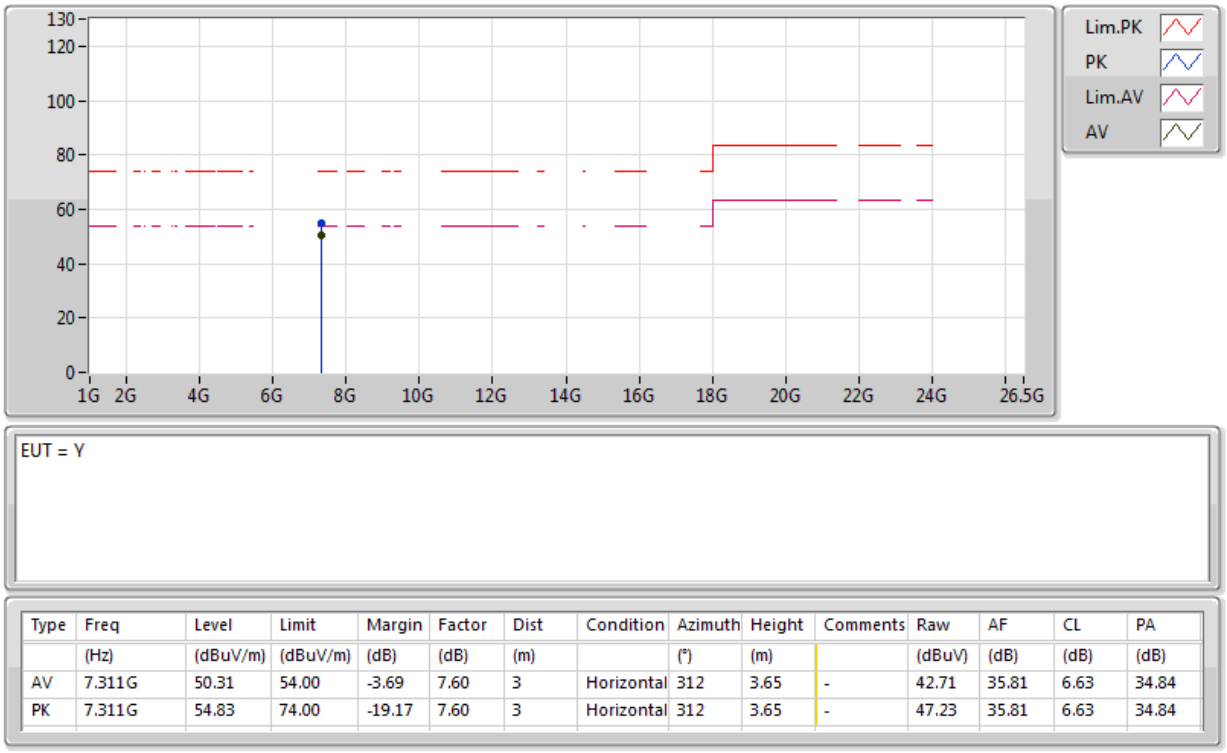


EUT = Y

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	7.311G	53.08	54.00	-0.92	7.60	3	Vertical	360	1.50	-	45.48	35.81	6.63	34.84
PK	7.311G	57.21	74.00	-16.79	7.60	3	Vertical	360	1.50	-	49.61	35.81	6.63	34.84

802.11b_(1Mbps)_1TX

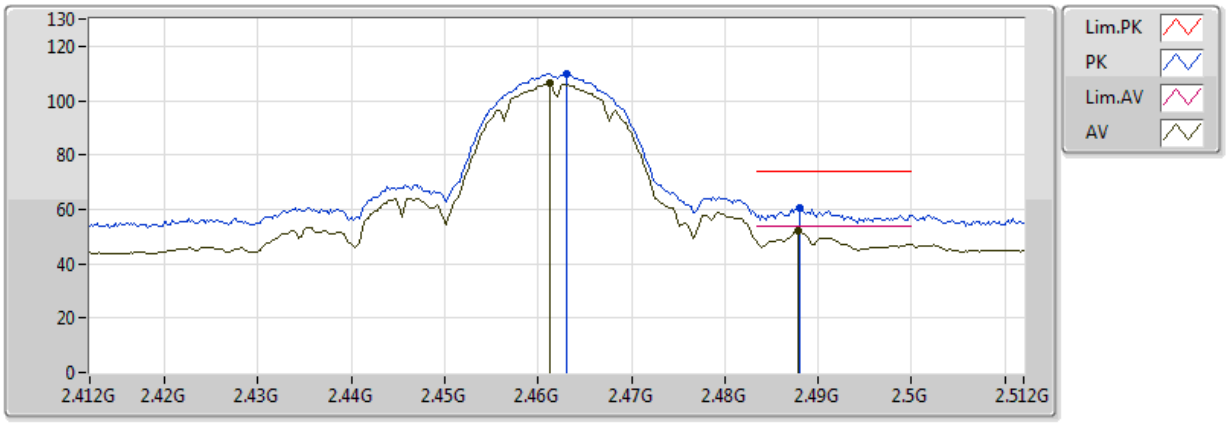
2437MHz_TX



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	7.311G	50.31	54.00	-3.69	7.60	3	Horizontal	312	3.65	-	42.71	35.81	6.63	34.84
PK	7.311G	54.83	74.00	-19.17	7.60	3	Horizontal	312	3.65	-	47.23	35.81	6.63	34.84

802.11b_(1Mbps)_1TX

2462MHz_TX

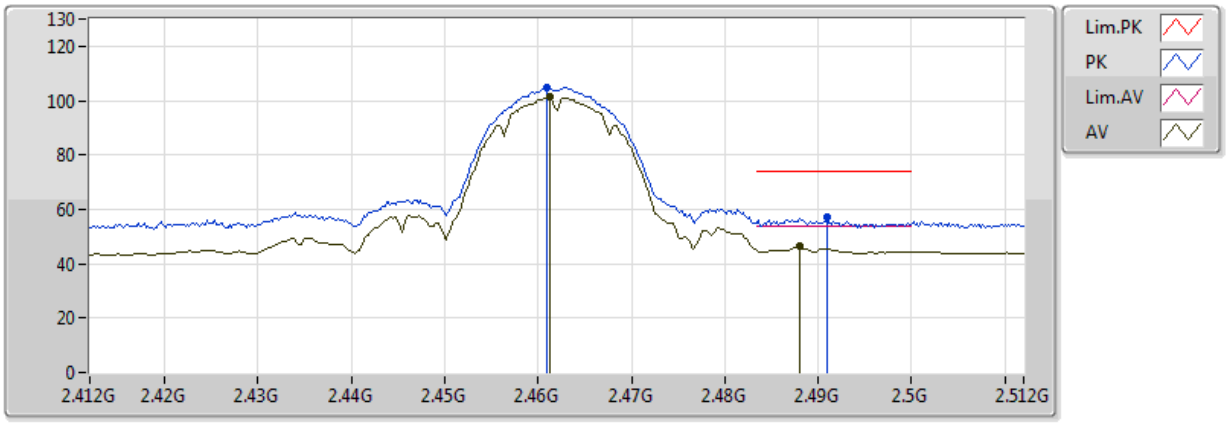


EUT = Y

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	2.4612G	106.26	Inf	-Inf	31.19	3	Vertical	168	1.64	-	75.07	27.50	3.69	-
AV	2.4878G	52.06	54.00	-1.94	31.29	3	Vertical	168	1.64	-	20.77	27.57	3.72	-
PK	2.463G	110.03	Inf	-Inf	31.20	3	Vertical	168	1.64	-	78.83	27.50	3.69	-
PK	2.488G	60.34	74.00	-13.66	31.29	3	Vertical	168	1.64	-	29.05	27.57	3.72	-

802.11b_(1Mbps)_1TX

2462MHz_TX

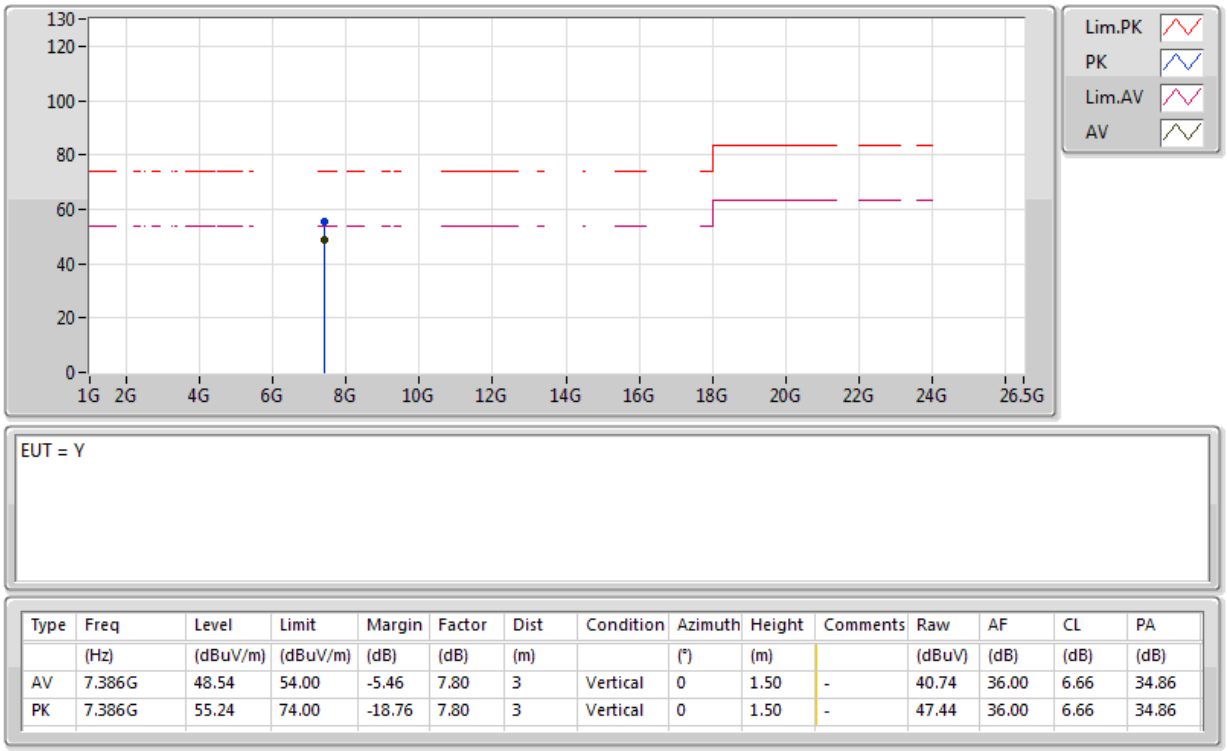


EUT = Y

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	2.4612G	101.26	Inf	-Inf	31.19	3	Horizontal	342	1.06	-	70.07	27.50	3.69	-
AV	2.488G	46.24	54.00	-7.76	31.29	3	Horizontal	342	1.06	-	14.95	27.57	3.72	-
PK	2.461G	104.99	Inf	-Inf	31.19	3	Horizontal	342	1.06	-	73.80	27.50	3.69	-
PK	2.491G	57.11	74.00	-16.89	31.30	3	Horizontal	342	1.06	-	25.81	27.58	3.72	-

802.11b_(1Mbps)_1TX

2462MHz_TX

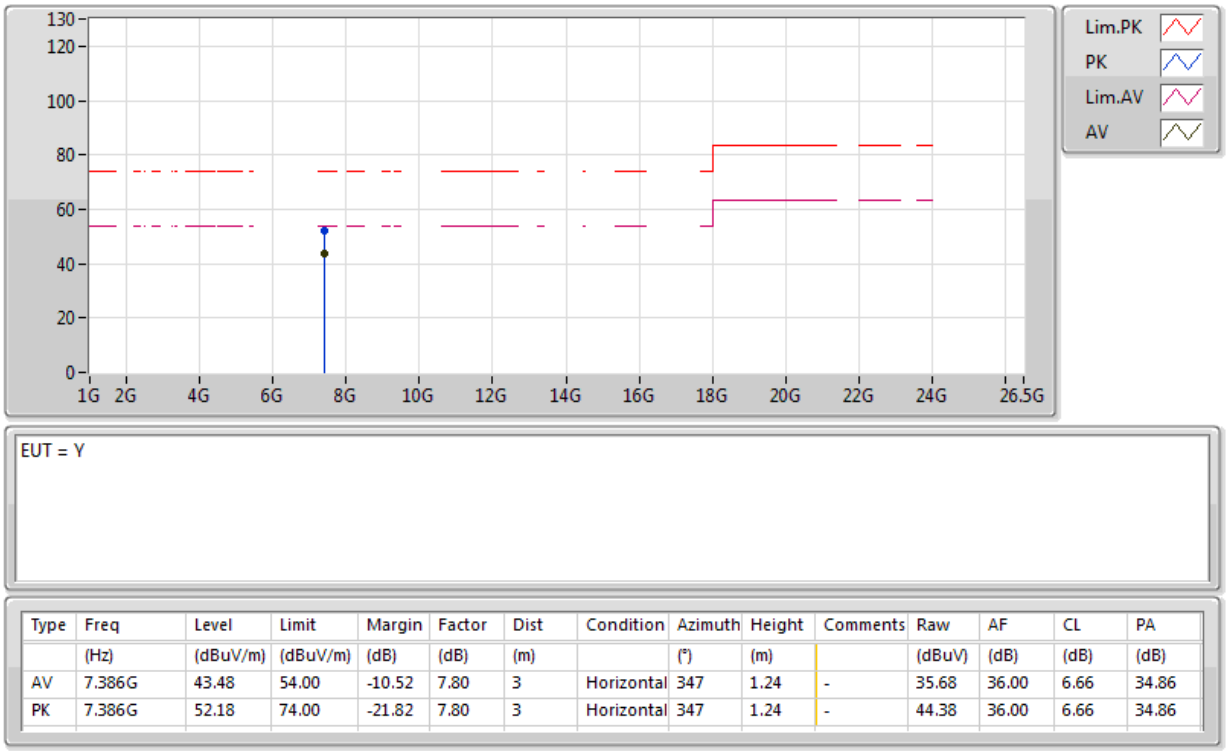


EUT = Y

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	7.386G	48.54	54.00	-5.46	7.80	3	Vertical	0	1.50	-	40.74	36.00	6.66	34.86
PK	7.386G	55.24	74.00	-18.76	7.80	3	Vertical	0	1.50	-	47.44	36.00	6.66	34.86

802.11b_(1Mbps)_1TX

2462MHz_TX

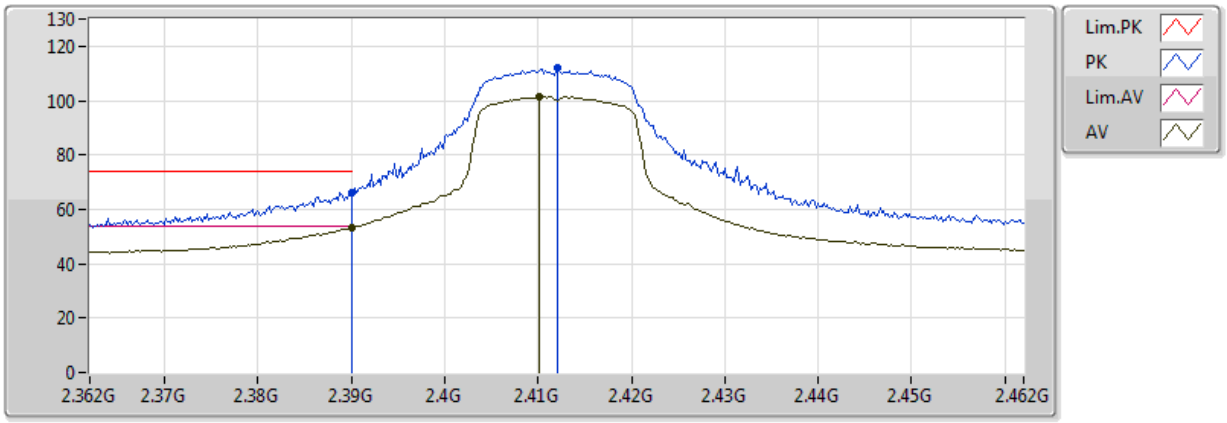


EUT = Y

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	7.386G	43.48	54.00	-10.52	7.80	3	Horizontal	347	1.24	-	35.68	36.00	6.66	34.86
PK	7.386G	52.18	74.00	-21.82	7.80	3	Horizontal	347	1.24	-	44.38	36.00	6.66	34.86

802.11g_(6Mbps)_1TX

2412MHz_TX

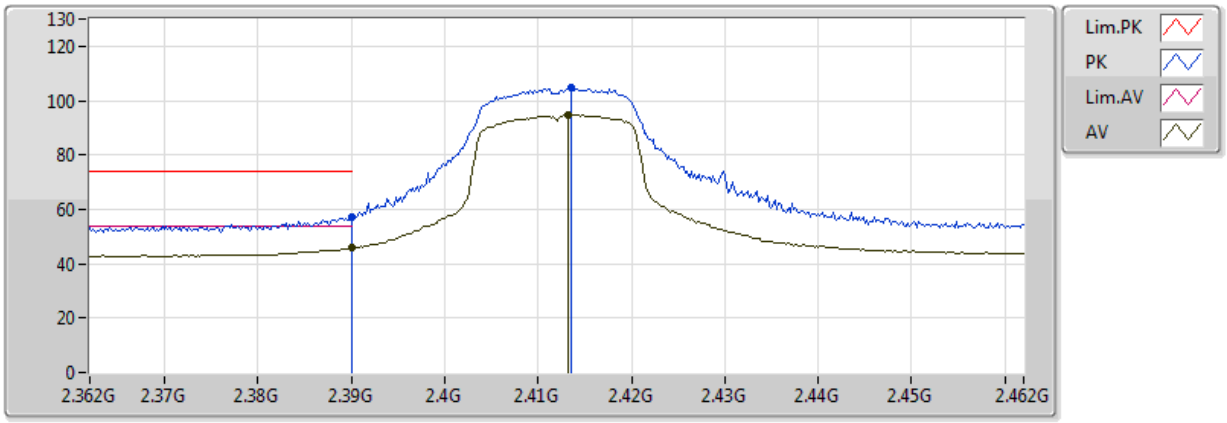


EUT = Y

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	2.39G	53.14	54.00	-0.86	30.93	3	Vertical	103	2.63	-	22.21	27.31	3.62	-
AV	2.4102G	101.39	Inf	-Inf	31.01	3	Vertical	103	2.63	-	70.38	27.37	3.64	-
PK	2.39G	66.26	74.00	-7.74	30.93	3	Vertical	103	2.63	-	35.33	27.31	3.62	-
PK	2.412G	112.13	Inf	-Inf	31.01	3	Vertical	103	2.63	-	81.12	27.37	3.64	-

802.11g_(6Mbps)_1TX

2412MHz_TX

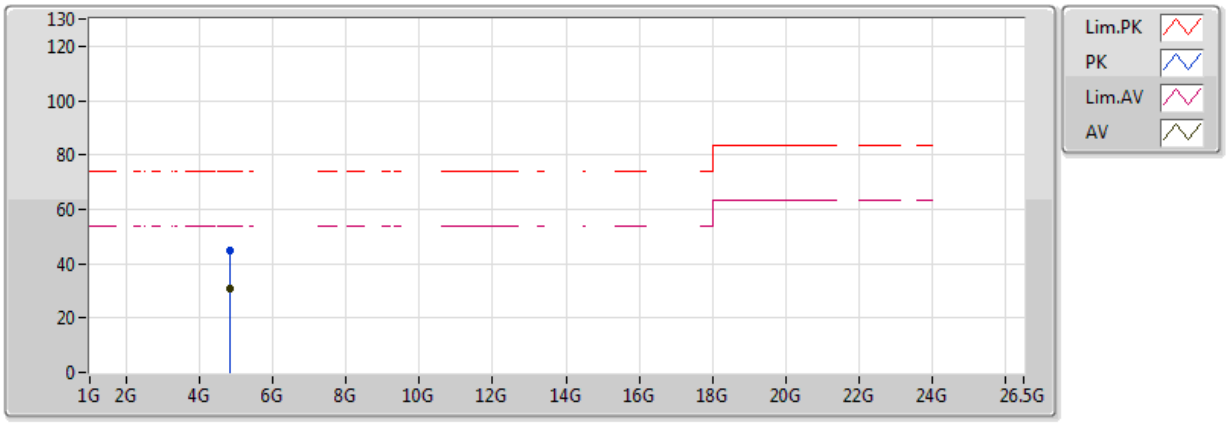


EUT = Y

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	2.39G	45.85	54.00	-8.15	30.93	3	Horizontal	21	3.57	-	14.92	27.31	3.62	-
AV	2.4132G	94.82	Inf	-Inf	31.02	3	Horizontal	21	3.57	-	63.80	27.37	3.64	-
PK	2.39G	57.26	74.00	-16.74	30.93	3	Horizontal	21	3.57	-	26.32	27.31	3.62	-
PK	2.4136G	104.60	Inf	-Inf	31.02	3	Horizontal	21	3.57	-	73.58	27.38	3.64	-

802.11g_(6Mbps)_1TX

2412MHz_TX

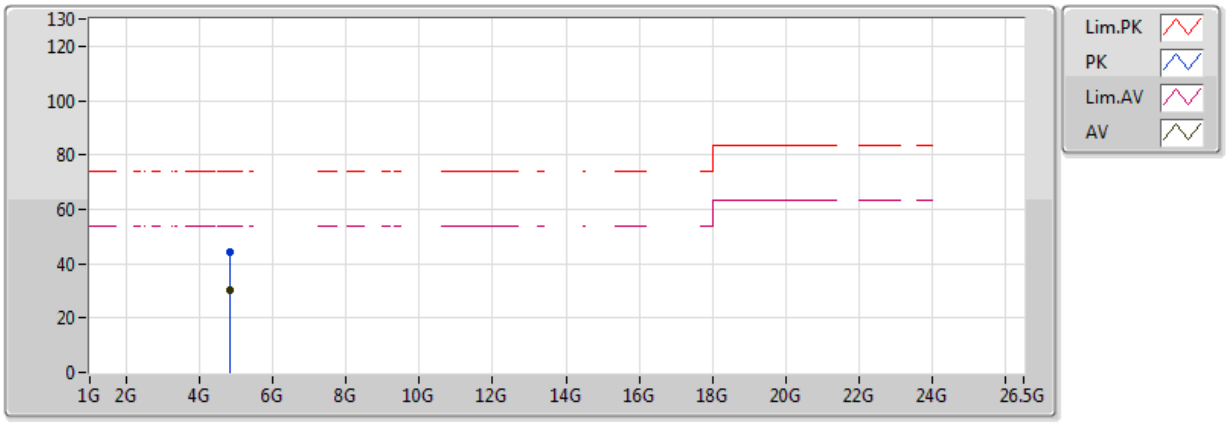


EUT = Y

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	4.824G	31.01	54.00	-22.99	2.16	3	Vertical	107	2.39	-	28.85	31.28	5.41	34.53
PK	4.824G	44.69	74.00	-29.31	2.16	3	Vertical	107	2.39	-	42.53	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2412MHz_TX

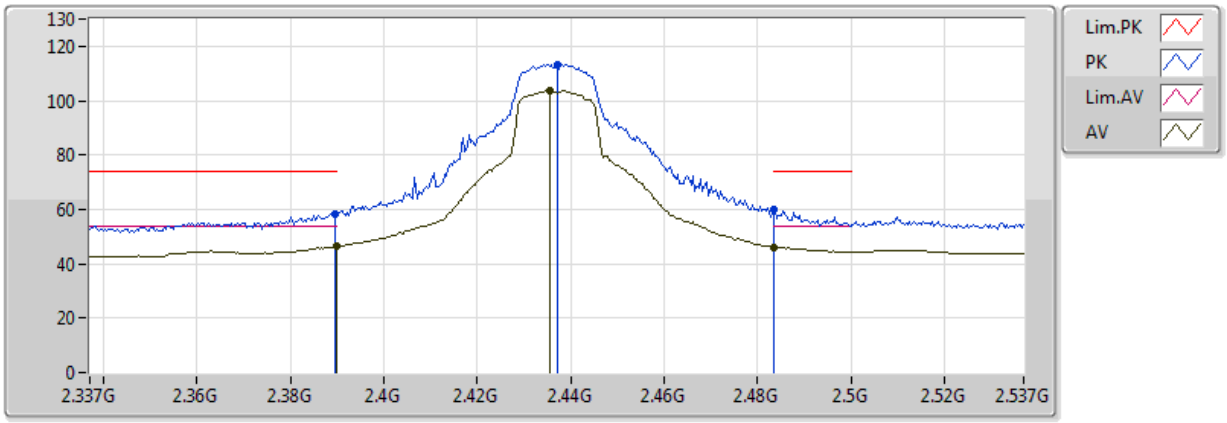


EUT = Y

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	4.824G	30.13	54.00	-23.87	2.16	3	Horizontal	74	1.99	-	27.97	31.28	5.41	34.53
PK	4.824G	44.45	74.00	-29.55	2.16	3	Horizontal	74	1.99	-	42.29	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2437MHz_TX

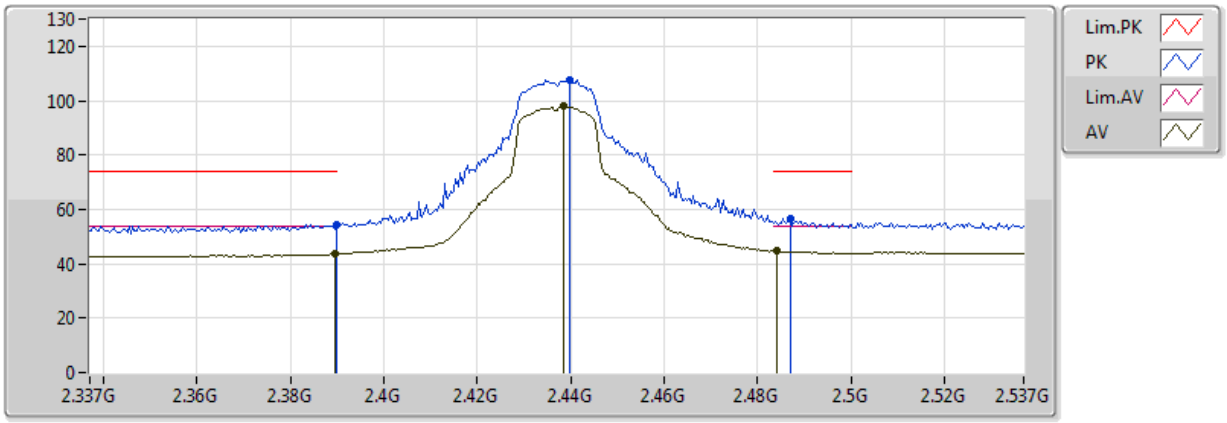


EUT = Y

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	46.33	54.00	-7.67	30.93	3	Vertical	200	2.63	-	15.39	27.31	3.62	-
AV	2.4354G	103.67	Inf	-Inf	31.10	3	Vertical	200	2.63	-	72.57	27.43	3.67	-
AV	2.483502G	46.07	54.00	-7.93	31.27	3	Vertical	200	2.63	-	14.80	27.56	3.71	-
PK	2.3894G	58.36	74.00	-15.64	30.93	3	Vertical	200	2.63	-	27.43	27.31	3.62	-
PK	2.437G	113.30	Inf	-Inf	31.10	3	Vertical	200	2.63	-	82.19	27.44	3.67	-
PK	2.483502G	59.70	74.00	-14.30	31.27	3	Vertical	200	2.63	-	28.43	27.56	3.71	-

802.11g_(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	2.3894G	43.61	54.00	-10.39	30.93	3	Horizontal	338	1.86	-	12.67	27.31	3.62	-
AV	2.4386G	97.81	Inf	-Inf	31.11	3	Horizontal	338	1.86	-	66.70	27.44	3.67	-
AV	2.4842G	44.78	54.00	-9.22	31.27	3	Horizontal	338	1.86	-	13.51	27.56	3.71	-
PK	2.389998G	54.42	74.00	-19.58	30.93	3	Horizontal	338	1.86	-	23.49	27.31	3.62	-
PK	2.4398G	107.73	Inf	-Inf	31.11	3	Horizontal	338	1.86	-	76.62	27.44	3.67	-
PK	2.487G	56.87	74.00	-17.13	31.28	3	Horizontal	338	1.86	-	25.58	27.57	3.72	-

802.11g_(6Mbps)_1TX

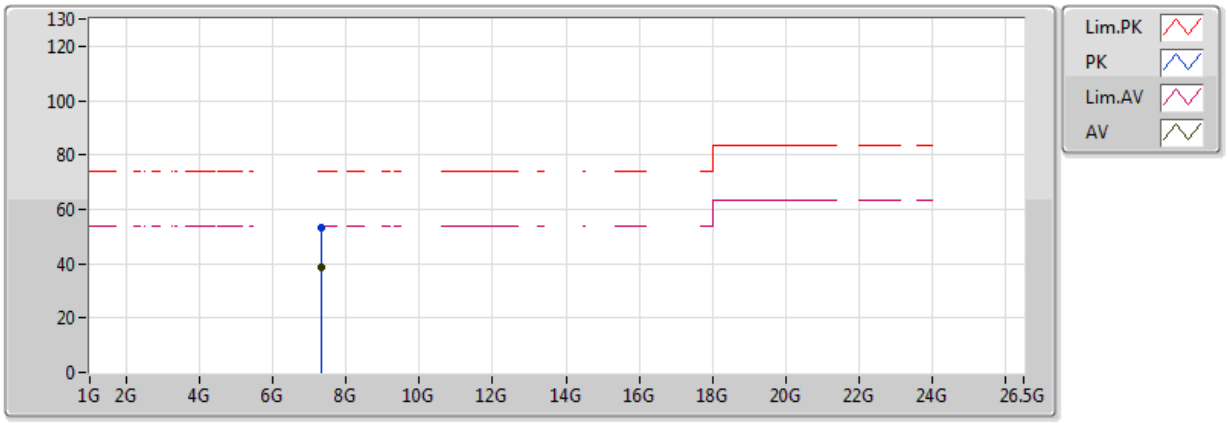
2437MHz_TX

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	7.311G	43.70	54.00	-10.30	7.60	3	Vertical	360	1.50	-	36.10	35.81	6.63	34.84
PK	7.311G	59.18	74.00	-14.82	7.60	3	Vertical	360	1.50	-	51.58	35.81	6.63	34.84

802.11g_(6Mbps)_1TX

2437MHz_TX

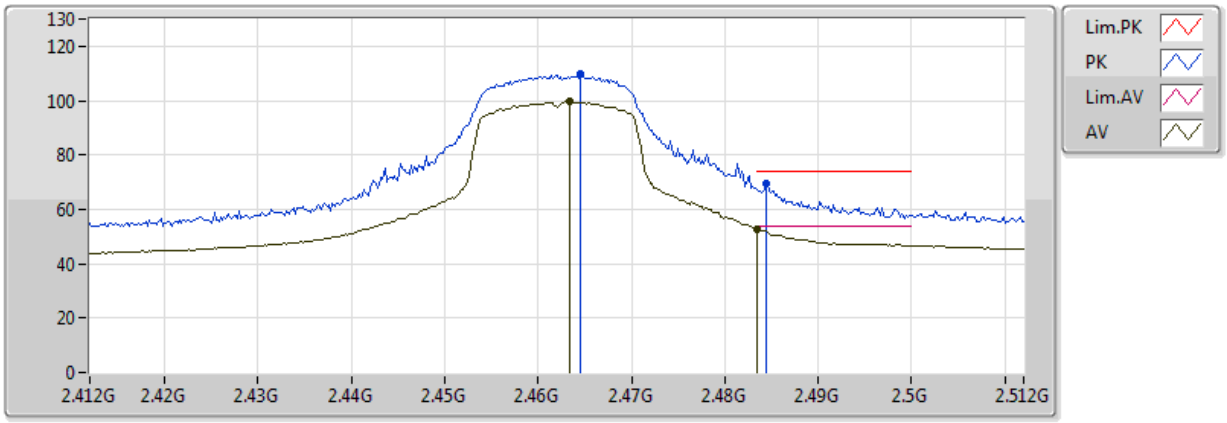


EUT = Y

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	7.311G	38.48	54.00	-15.52	7.60	3	Horizontal	0	1.50	-	30.88	35.81	6.63	34.84
PK	7.311G	53.34	74.00	-20.66	7.60	3	Horizontal	0	1.50	-	45.74	35.81	6.63	34.84

802.11g_(6Mbps)_1TX

2462MHz_TX

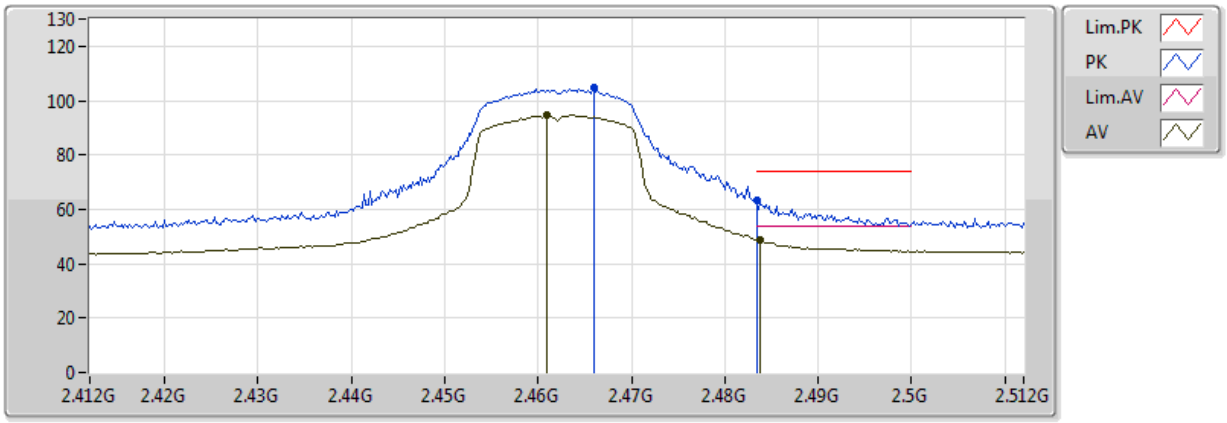


EUT = Y

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	2.4634G	99.51	Inf	-Inf	31.20	3	Vertical	164	2.06	-	68.31	27.50	3.69	-
AV	2.483502G	52.80	54.00	-1.20	31.27	3	Vertical	164	2.06	-	21.53	27.56	3.71	-
PK	2.4646G	109.87	Inf	-Inf	31.20	3	Vertical	164	2.06	-	78.66	27.51	3.69	-
PK	2.4844G	69.69	74.00	-4.31	31.27	3	Vertical	164	2.06	-	38.42	27.56	3.71	-

802.11g_(6Mbps)_1TX

2462MHz_TX

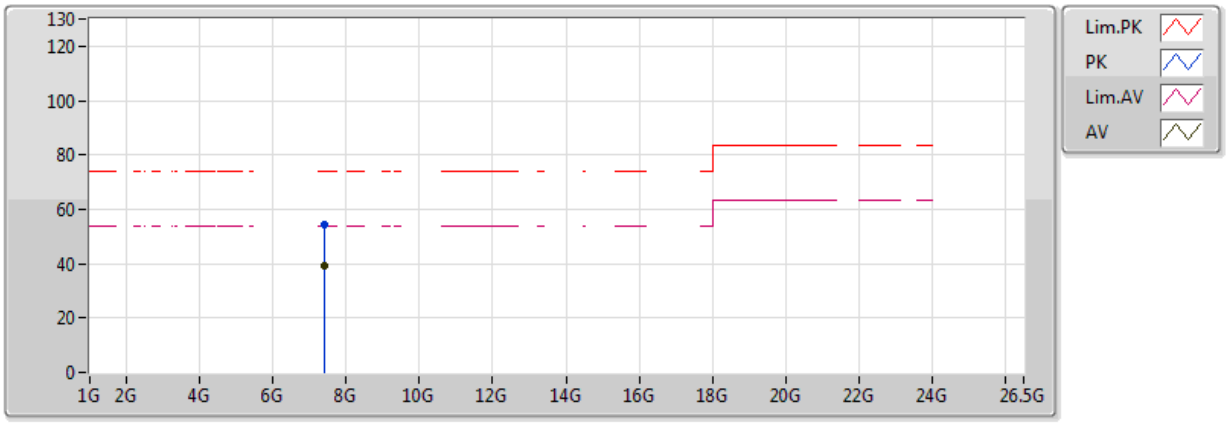


EUT = Y

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	2.461G	94.49	Inf	-Inf	31.19	3	Horizontal	345	1.09	-	63.30	27.50	3.69	-
AV	2.4838G	48.78	54.00	-5.22	31.27	3	Horizontal	345	1.09	-	17.51	27.56	3.71	-
PK	2.466G	104.90	Inf	-Inf	31.21	3	Horizontal	345	1.09	-	73.70	27.51	3.70	-
PK	2.483502G	63.16	74.00	-10.84	31.27	3	Horizontal	345	1.09	-	31.89	27.56	3.71	-

802.11g_(6Mbps)_1TX

2462MHz_TX

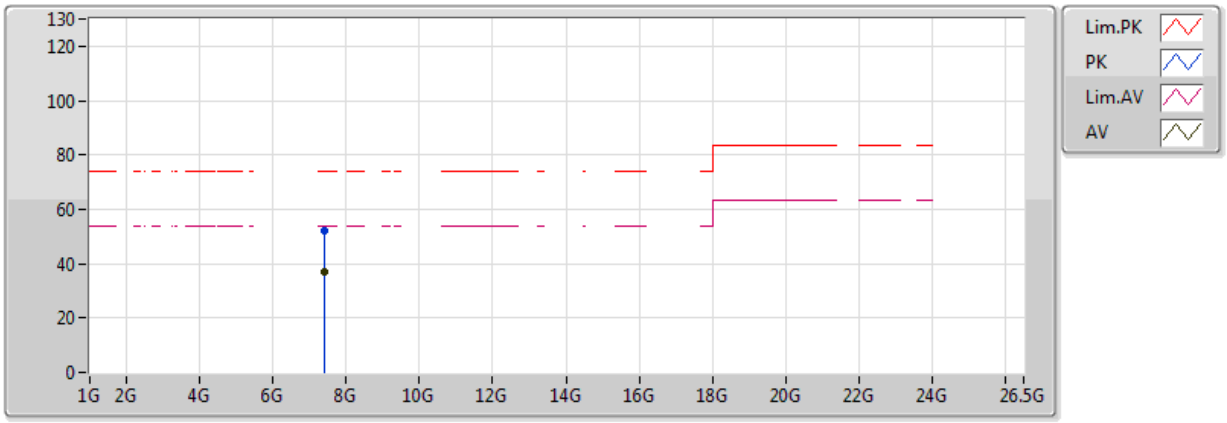


EUT = Y

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	7.386G	39.17	54.00	-14.83	7.80	3	Vertical	0	1.50	-	31.37	36.00	6.66	34.86
PK	7.386G	54.08	74.00	-19.92	7.80	3	Vertical	0	1.50	-	46.28	36.00	6.66	34.86

802.11g_(6Mbps)_1TX

2462MHz_TX

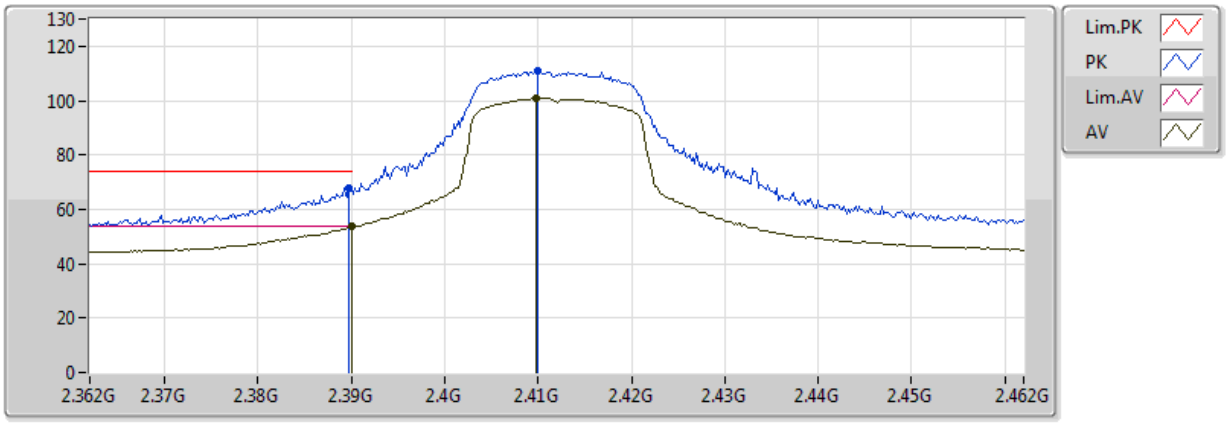


EUT = Y

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	7.386G	37.16	54.00	-16.84	7.80	3	Horizontal	348	1.50	-	29.36	36.00	6.66	34.86
PK	7.386G	51.92	74.00	-22.08	7.80	3	Horizontal	348	1.50	-	44.12	36.00	6.66	34.86

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

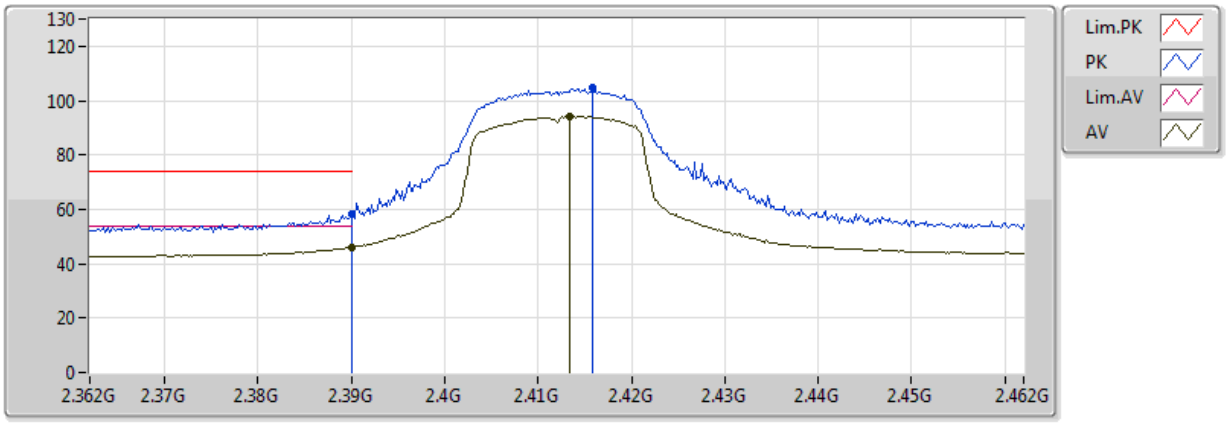


EUT = Y

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	2.39G	53.63	54.00	-0.37	30.93	3	Vertical	103	2.62	-	22.70	27.31	3.62	-
AV	2.4098G	101.06	Inf	-Inf	31.01	3	Vertical	103	2.62	-	70.05	27.37	3.64	-
PK	2.3898G	67.69	74.00	-6.31	30.93	3	Vertical	103	2.62	-	36.75	27.31	3.62	-
PK	2.41G	110.68	Inf	-Inf	31.01	3	Vertical	103	2.62	-	79.67	27.37	3.64	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

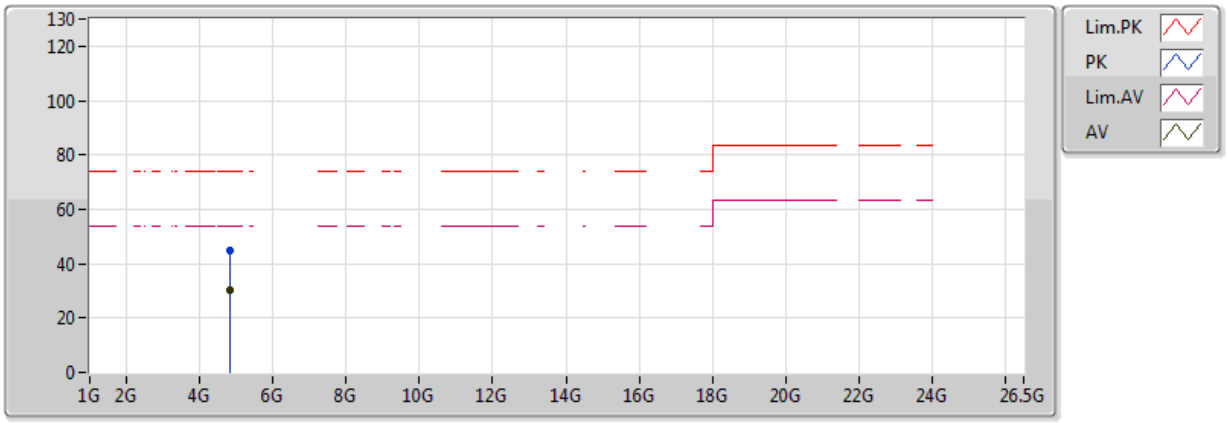


EUT = Y

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	2.39G	46.21	54.00	-7.79	30.93	3	Horizontal	15	3.56	-	15.28	27.31	3.62	-
AV	2.4134G	94.18	Inf	-Inf	31.02	3	Horizontal	15	3.56	-	63.16	27.37	3.64	-
PK	2.39G	58.06	74.00	-15.94	30.93	3	Horizontal	15	3.56	-	27.13	27.31	3.62	-
PK	2.4158G	104.91	Inf	-Inf	31.03	3	Horizontal	15	3.56	-	73.88	27.38	3.65	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

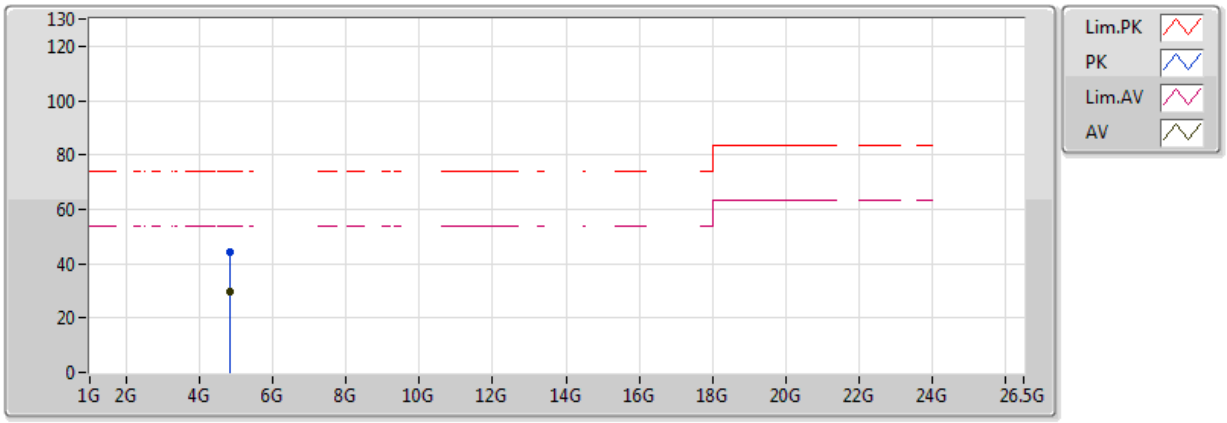


EUT = Y

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	4.824G	30.10	54.00	-23.90	2.16	3	Vertical	218	1.50	-	27.94	31.28	5.41	34.53
PK	4.824G	44.56	74.00	-29.44	2.16	3	Vertical	218	1.50	-	42.40	31.28	5.41	34.53

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

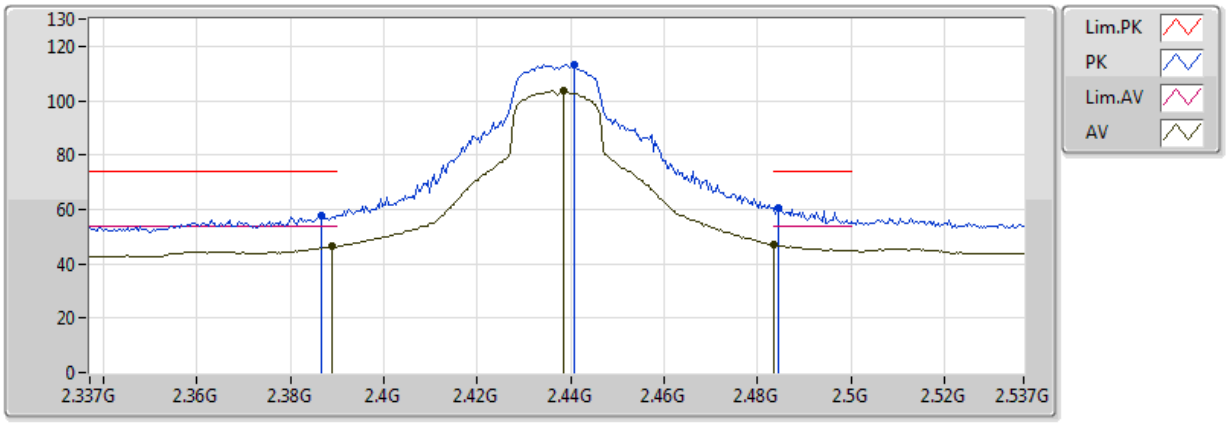


EUT = Y

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	4.824G	29.43	54.00	-24.57	2.16	3	Horizontal	62	197	-	27.27	31.28	5.41	34.53
PK	4.824G	44.34	74.00	-29.66	2.16	3	Horizontal	62	197	-	42.18	31.28	5.41	34.53

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

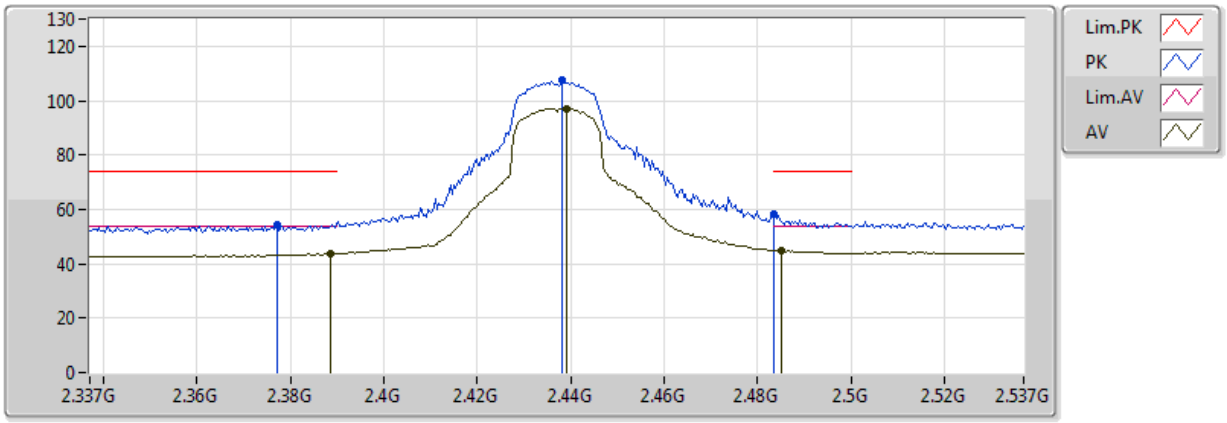


EUT = Y

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	2.389G	46.38	54.00	-7.62	30.93	3	Vertical	192	2.59	-	15.45	27.31	3.62	-
AV	2.4386G	103.66	Inf	-Inf	31.11	3	Vertical	192	2.59	-	72.55	27.44	3.67	-
AV	2.483502G	47.17	54.00	-6.83	31.27	3	Vertical	192	2.59	-	15.90	27.56	3.71	-
PK	2.3866G	57.80	74.00	-16.20	30.92	3	Vertical	192	2.59	-	26.88	27.31	3.62	-
PK	2.4406G	113.01	Inf	-Inf	31.12	3	Vertical	192	2.59	-	81.90	27.45	3.67	-
PK	2.4846G	60.49	74.00	-13.51	31.27	3	Vertical	192	2.59	-	29.21	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

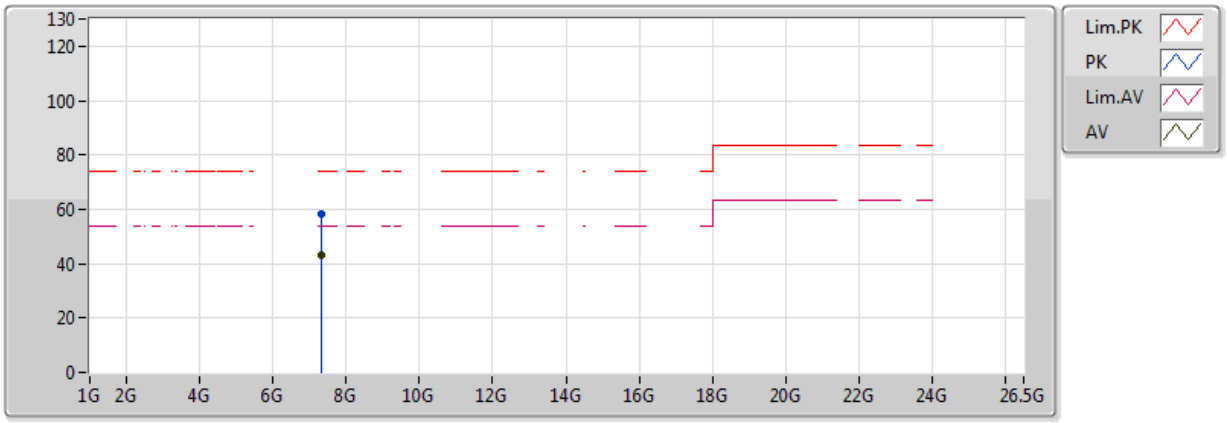


EUT = Y

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	2.3886G	43.73	54.00	-10.27	30.93	3	Horizontal	338	1.85	-	12.80	27.31	3.62	-
AV	2.439G	97.16	Inf	-Inf	31.11	3	Horizontal	338	1.85	-	66.05	27.44	3.67	-
AV	2.485G	44.91	54.00	-9.09	31.28	3	Horizontal	338	1.85	-	13.63	27.56	3.71	-
PK	2.377G	54.63	74.00	-19.37	30.89	3	Horizontal	338	1.85	-	23.74	27.28	3.61	-
PK	2.4382G	107.63	Inf	-Inf	31.11	3	Horizontal	338	1.85	-	76.52	27.44	3.67	-
PK	2.483502G	58.16	74.00	-15.84	31.27	3	Horizontal	338	1.85	-	26.89	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

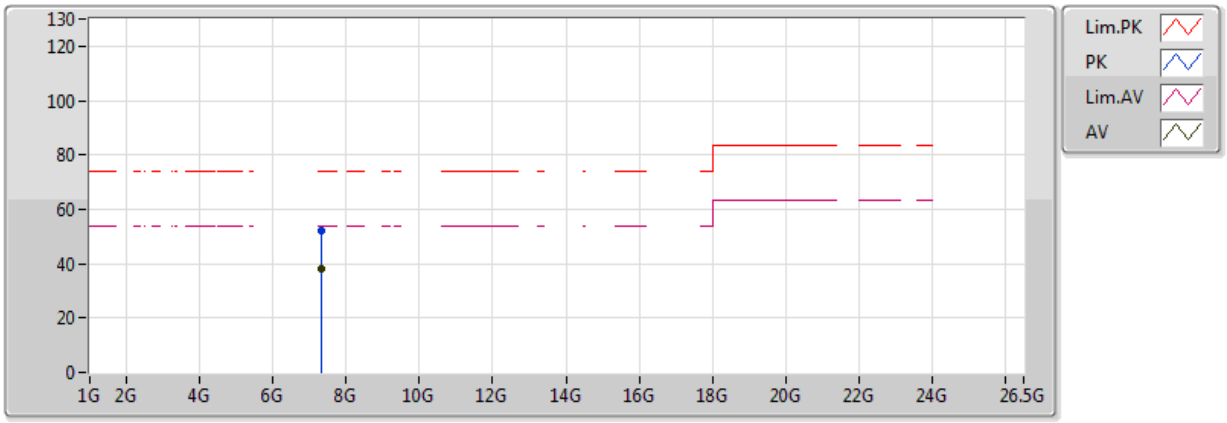


EUT = Y

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	7.311G	43.37	54.00	-10.63	7.60	3	Vertical	0	1.50	-	35.77	35.81	6.63	34.84
PK	7.311G	58.55	74.00	-15.45	7.60	3	Vertical	0	1.50	-	50.95	35.81	6.63	34.84

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

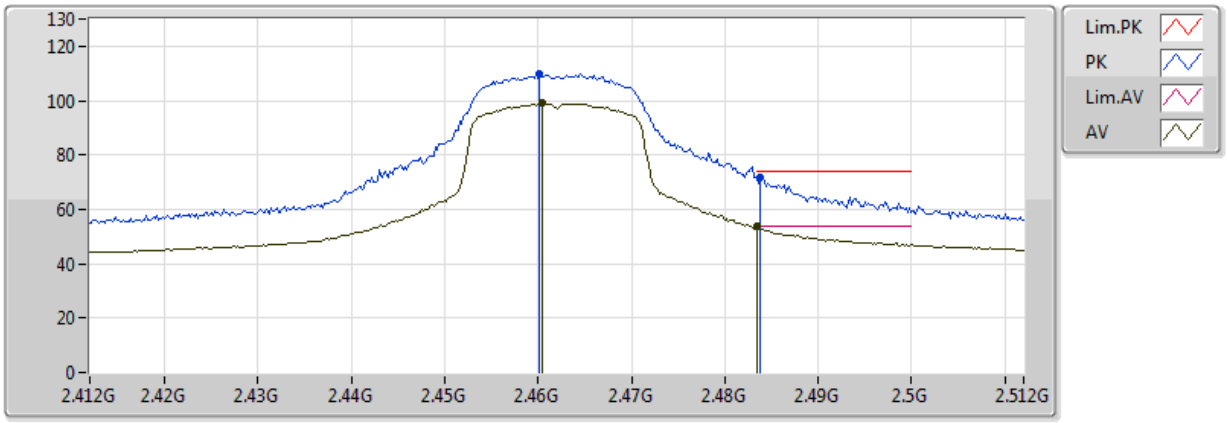


EUT = Y

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	7.311G	38.10	54.00	-15.90	7.60	3	Horizontal	349	1.50	-	30.50	35.81	6.63	34.84
PK	7.311G	52.20	74.00	-21.80	7.60	3	Horizontal	349	1.50	-	44.60	35.81	6.63	34.84

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

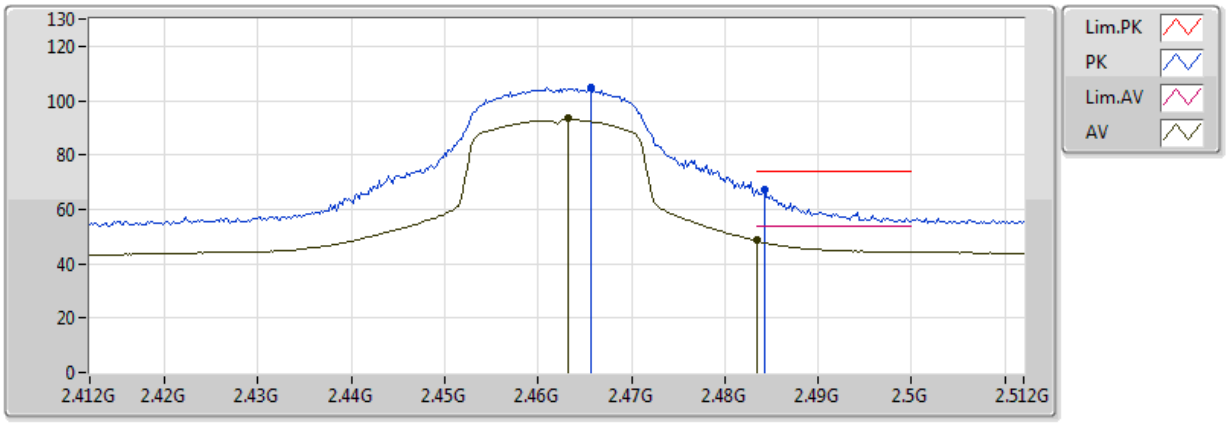


EUT = Y

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	2.4604G	99.18	Inf	-Inf	31.19	3	Vertical	169	1.61	-	67.99	27.50	3.69	-
AV	2.483502G	53.54	54.00	-0.46	31.27	3	Vertical	169	1.61	-	22.27	27.56	3.71	-
PK	2.4602G	109.76	Inf	-Inf	31.19	3	Vertical	169	1.61	-	78.57	27.50	3.69	-
PK	2.4838G	71.53	74.00	-2.47	31.27	3	Vertical	169	1.61	-	40.25	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

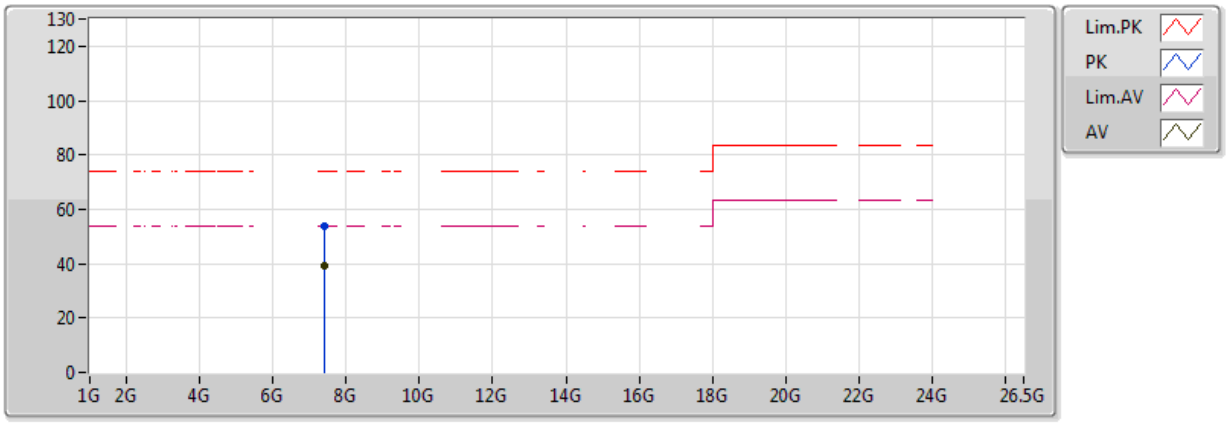


EUT = Y

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	2.4632G	93.36	Inf	-Inf	31.20	3	Horizontal	342	1.78	-	62.16	27.50	3.69	-
AV	2.483502G	48.88	54.00	-5.12	31.27	3	Horizontal	342	1.78	-	17.61	27.56	3.71	-
PK	2.4656G	104.56	Inf	-Inf	31.21	3	Horizontal	342	1.78	-	73.36	27.51	3.70	-
PK	2.4842G	67.50	74.00	-6.50	31.27	3	Horizontal	342	1.78	-	36.23	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

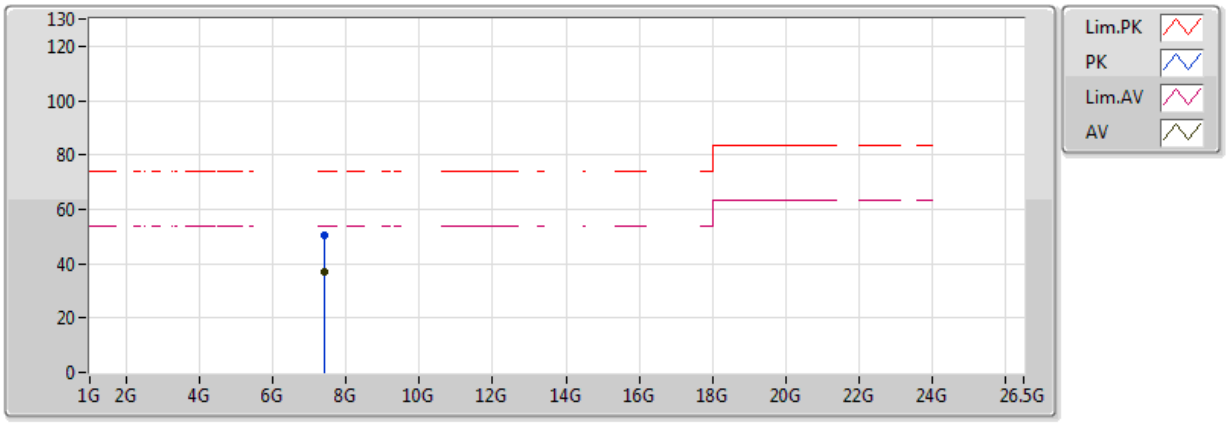


EUT = Y

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	7.386G	39.29	54.00	-14.71	7.80	3	Vertical	359	1.62	-	31.49	36.00	6.66	34.86
PK	7.386G	53.69	74.00	-20.31	7.80	3	Vertical	359	1.62	-	45.89	36.00	6.66	34.86

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	7.386G	36.91	54.00	-17.09	7.80	3	Horizontal	18	1.55	-	29.11	36.00	6.66	34.86
PK	7.386G	50.52	74.00	-23.48	7.80	3	Horizontal	18	1.55	-	42.72	36.00	6.66	34.86