FCC Test Report

Equipment	:	**Indoor AP**
Brand Name	:	**Askey**
Model No.	:	**EAI2001S**
FCC ID	:	**H8N-EAI2001S**
Standard	:	**47 CFR FCC Part 15.247**
Operating Band	:	**2400 MHz – 2483.5 MHz**
Function	:	**☒ Point-to-multipoint; ☐ Point-to-point**
Applicant	:	**Askey Computer Corp. 10F, No.119, Jiankang Road, Zhonghe Dist., New Taipei City, Taiwan**
Manufacturer	:	**ASKEY TECHNOLOGY (JIANGSU) LTD. No. 1388, Jiao Tong Road, Wujiang Economic-Technological Development Area, Jiangsu Province, P.R. China**

The product sample received on May 05, 2017 and completely tested on May 15, 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
FR750438AC	Rev. 01	Initial issue of report	Jun. 01, 2017
FR750438AC	Rev. 02	Add Antenna Information	Jun. 05, 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
2.4-2.4835GHz	b, g, n (HT20)	2412-2462	1-11 [11]
2.4-2.4835GHz	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

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	Antenna Type	Connector	Gain (dBi)		
				2412	2442	2472
1	1	FPC Dipole Antenna	I-PEX	3.10	3.40	3.60
2	2	FPC Dipole Antenna	I-PEX	2.40	2.20	2.60

Note: 1: 802.11b/g only includes 1TX and Port1 for emission.

Note: 2: 802.11n used two antennas are for signal transmitting and receiving.(2T2R Spatial Multiplexing MIMO configuration)

Note:
- The Signals support CDD and correlated, and transmits simultaneously in multiple channels in single or multiple frequency bands.
- If all antennas have the same gain, G_{ANT}:
  Directional gain = G_{ANT} + 10 log(N_{ANT}/N_{SS}) dBi, where N_{SS} = the number of independent spatial streams of data and G_{ANT} is the antenna gain in dBi. (This formula can also be applied when antennas have different gains if the highest antenna gain is substituted for G_{ANT}.)
- For power measurements on IEEE 802.11 devices,
  Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
  Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};
  Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

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	0.996	0.017	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.977	0.101	2.027m	1k
802.11n HT20	0.976	0.106	1.891m	1k
802.11n HT40	0.947	0.237	929.688u	3k

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 v04
- KDB 662911 D01 v02r01
- ANSI C63.4-2014

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. 553509 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	Ryan	22.5°C / 65%	15/May/2017
Radiated	03CH02-HY	Lynus	22.5°C / 59%	12/May/2017
AC Conduction	CO01-HY	Teddy	24°C / 58%	12/May/2017

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	QCA art2_ver_4_9_853

Mode	Power Setting
802.11b_(1Mbps)_2TX	-
2412MHz	24
2437MHz	21.5
2462MHz	22
802.11g_(6Mbps)_2TX	-
2412MHz	17.5
2437MHz	23
2462MHz	18
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	17.5
2437MHz	23
2462MHz	16.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2437MHz	17.5
2452MHz	14.5

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	Adapter mode
2	PoE mode
Mode 2 configuration was tested and found to be the worst case and measured during the test.	

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	CTX		
1	Adapter mode		
2	PoE mode		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

2.4 Accessories

Accessories				
AC Adapter 1	Brand Name	AOEM	Model Name	ADS0248T-W120200
	Power Rating	I/P: 100 - 240 Vac, 600 mA, O/P: 12 Vdc, 2000 mA		
	Power Cord	1.8 meter, non-shielded cable, w/o ferrite core		

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

2.5 Support Equipment

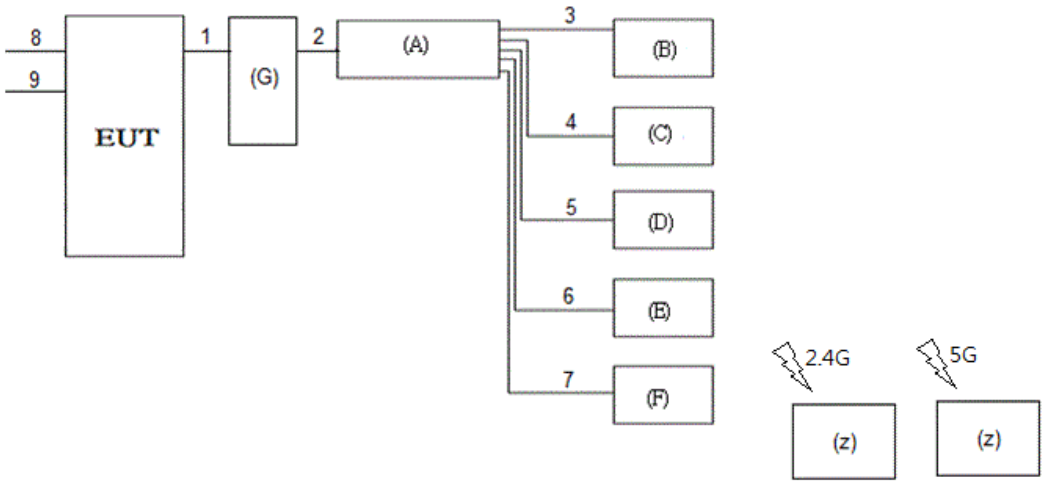
Support Equipment – RF Conducted				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment – Radiated Emission				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	RJ-11 cable	-	-	DoC
2	USB cable	-	-	DoC

Support Equipment – AC Conduction				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
1	Notebook2(2.4G)	DELL	VOSTRO 3350	DoC
2	RJ45 Cable	Non-Shielded	1.2	DoC
3	D-Sub Cable	HP	FM100	DoC
4	USB Cable	e-Power	S90W	DoC
5	RS-232 Cable	Abocom	AM7221T-X10	DoC
A	PC	HP	Elite 8300	DoC
B	LCD Monitor	DELL	U2410f	DoC
C	(USB)Mouse	Microsoft	1113	DoC
D	USB Keyboard	Microsoft	1366	DoC
E	Modem	ACEEX	DM1414	DoC
F	Printer (USB)	EPSON	C61	DoC
G	PoE	ShenZhen	PGSA34D01-540060	DoC

2.6 Test Setup Diagram

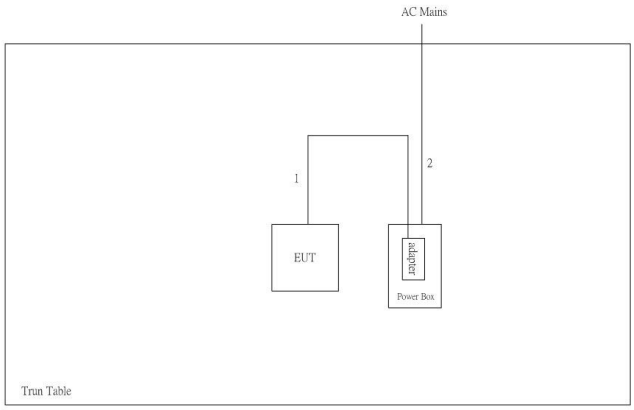
Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
A	PC	HP	Elite 8300	-
B	LCD Monitor	DELL	U2410f	-
C	(USB)Mouse	Microsoft	1113	-
D	USB Keyboard	Microsoft	1366	-
E	Modem	ACEEX	DM1414	-
F	Printer (USB)	EPSON	C61	-
G	PoE	ShenZhen	PGSA34D01-540060	-

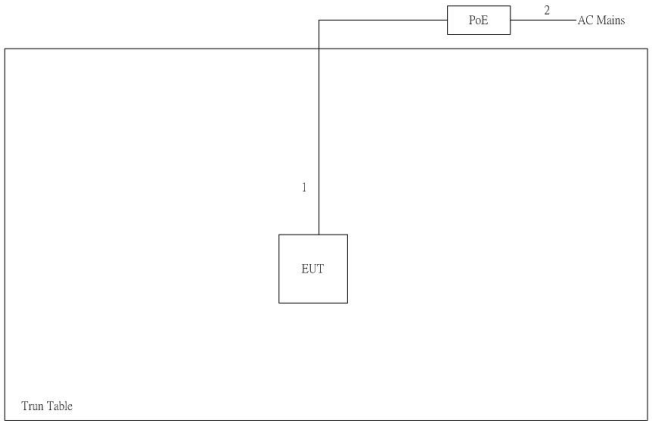
Item	Connection	Shielded	Length(m)	Remark
1	RJ45 Cable	Non-Shielded	1.2	-
2	RJ45 Cable	Non-Shielded	1.5	-
3	D-Sub Cable	D-Shielded	1.8	-
4	USB Cable	AL-F-Shielded	1.8	-
5	USB Cable	AL-F-Shielded	2	-
6	RS-232 Cable	D-Shielded	1.15	-
7	USB Cable	D-Shielded	1.8	-

Test Setup Diagram - Radiated Test Adapter mode



Item	Connection	Shielded	Length(m)	Remark
1	DC Power line	No	1.5m	-
2	Power cable	No	1.5m	-

Test Setup Diagram - Radiated Test PoE mode



Item	Connection	Shielded	Length(m)	Remark
1	RJ-45 cable	No	10m	-
2	Power cable	No	1.5m	-

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

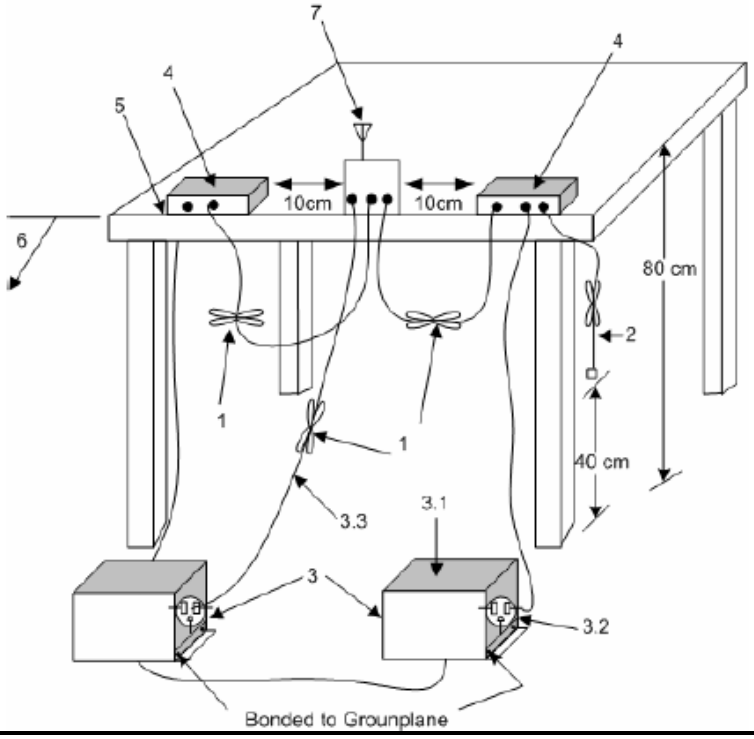
Refer a test equipment and calibration data table in this test report.

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.

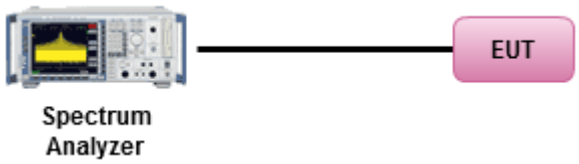
3.2.2 Measuring Instruments

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 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

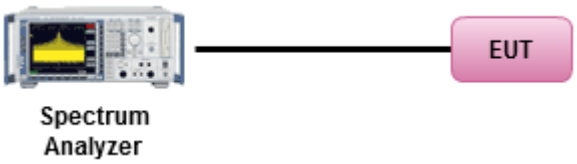
3.4.2 Measuring Instruments

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.	

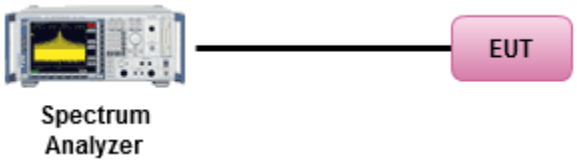
3.5.2 Measuring Instruments

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.

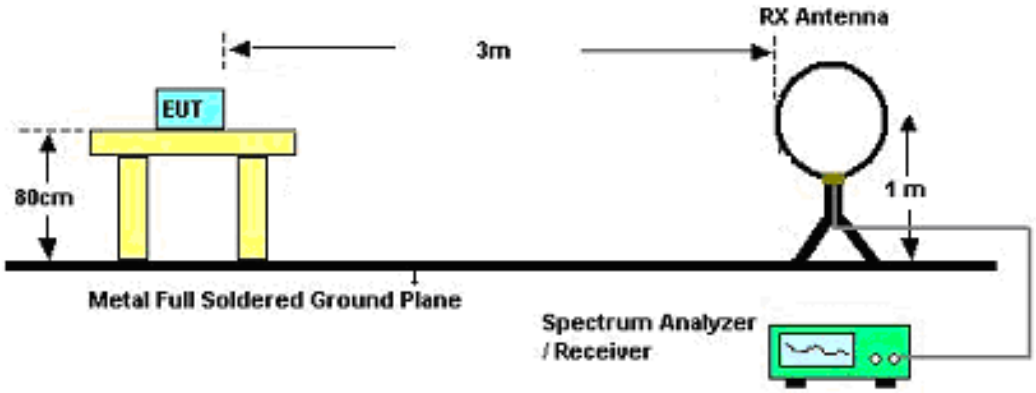
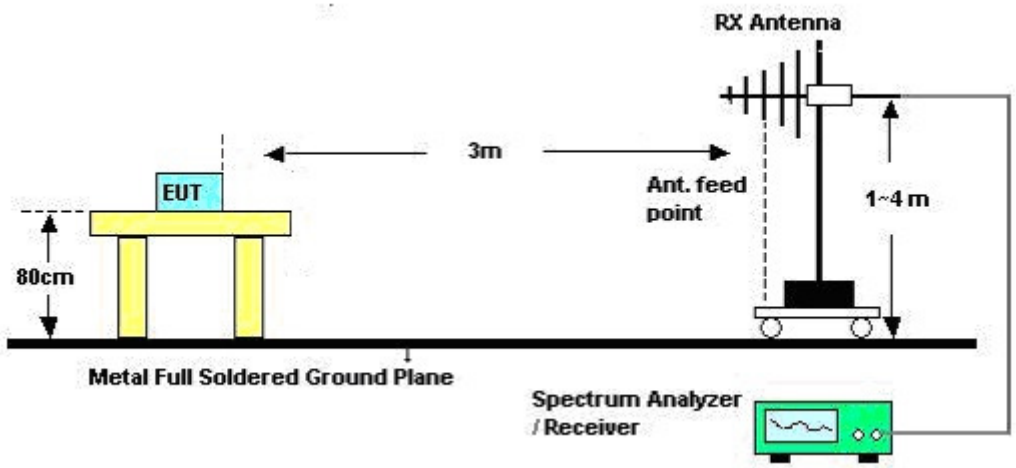
3.6.2 Measuring Instruments

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

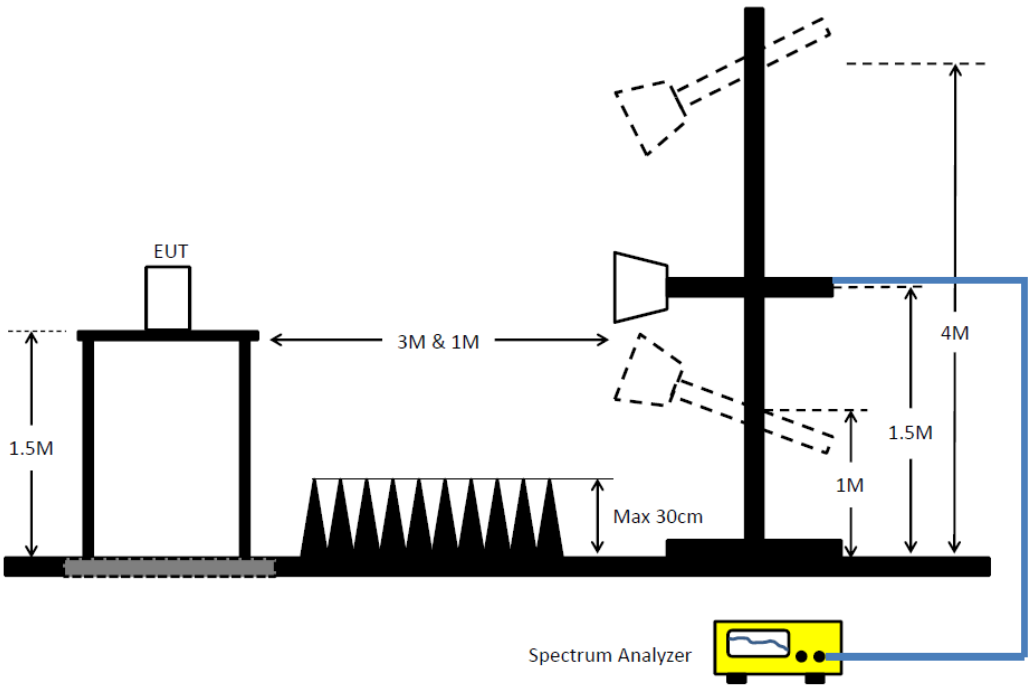
3.6.3 Test Procedures

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
EMC Receiver	R&S	ESR3	102052	9kHz ~ 3.6GHz	05/Apr/2017	04/Apr/2018
LISN	R&S	ENV 216	101274	9kHz ~ 30MHz	20/Apr/2017	19/Apr/2018
LISN (Support Unit)	MessTec	NNB-2/16Z	99079	9kHz ~ 30MHz	NCR	NCR
RF Cable-CON	HUBER+SUHNER	RG213/U	0761183201000 1	9kHz ~ 30MHz	06/Mar/2017	05/Mar/2018
Impulsbegrenzer Pulse Limiter	R&S	ESH3-Z2	100920	9 kHz ~ 30 MHz	09/Nov/2016	08/Nov/2017
Impedance Stabilization Network	TESEQ	T800	23342	150kHz ~ 230MHz	02/Mar/2017	01/Mar/2018

NCR : Non-Calibration Require

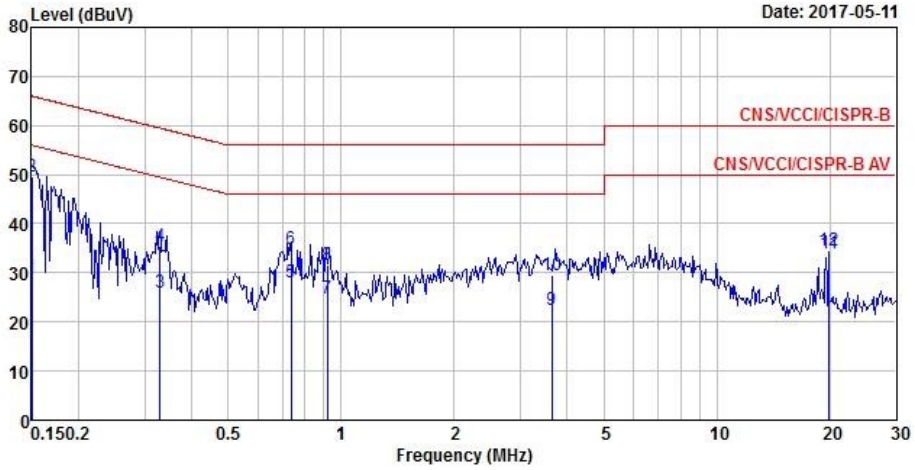
Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz ~ 1GHz	28/Nov/2016	27/Nov/2017
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz ~ 18GHz	16/Dec/2016	15/Dec/2017
Amplifier	HP	8447D	2944A11146	10kHz ~ 1.3GHz	12/Sep/2016	12/Sep/2017
Amplifier	KEYSIGHT	83017A	MY53270197	1GHz ~ 26.5GHz	29/Aug/2016	28/Aug/2017
Spectrum	R&S	FSV40	101515	9kHz ~ 40GHz	28/Nov/2016	27/Nov/2017
Bilog Antenna	SCHAFFNER	CBL 6112D	2723	30MHz ~ 1GHz	01/Oct/2016	30/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA 9120D	BBHA 9120D 1531	1GHz ~ 18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz ~ 40GHz	06/Feb/2017	05/Feb/2018
Loop Antenna	TESEQ	HLA 6120	24155	9 kHz~30 MHz	02/Mar/2017	01/Mar/2018
RF-Cable-high	SUHNER	SUHNER	CB222	1GHz ~ 40GHz	28/Oct/2016	27/Oct/2017
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz ~ 1GHz	27/Oct/2016	26/Oct/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

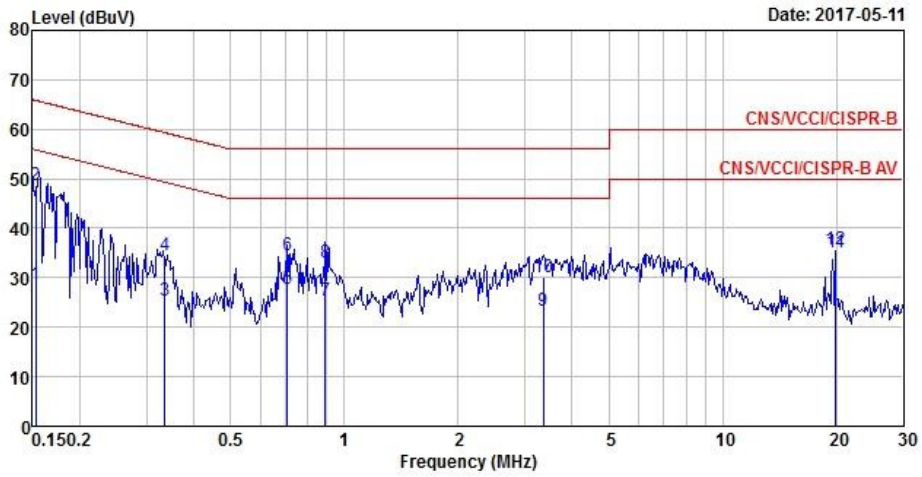
AC Power-line Conducted Emissions Result			
Operating Mode	2	**Power Phase**	Neutral
Operating Function	PoE mode		



		Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
		MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1		0.15	29.20	-26.80	56.00	19.53	9.65	0.02	Average
2		0.15	49.64	-16.36	66.00	39.97	9.65	0.02	QP
3		0.33	26.06	-23.41	49.47	16.40	9.64	0.02	Average
4		0.33	35.35	-24.12	59.47	25.69	9.64	0.02	QP
5		0.74	27.90	-18.10	46.00	18.24	9.64	0.02	Average
6		0.74	34.84	-21.16	56.00	25.18	9.64	0.02	QP
7		0.92	24.90	-21.10	46.00	15.24	9.64	0.02	Average
8		0.92	31.69	-24.31	56.00	22.03	9.64	0.02	QP
9		3.63	22.51	-23.49	46.00	12.76	9.67	0.08	Average
10		3.63	29.61	-26.39	56.00	19.86	9.67	0.08	QP
11	MAX	19.90	34.08	-15.92	50.00	24.02	9.82	0.24	Average
12		19.90	34.68	-25.32	60.00	24.62	9.82	0.24	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	2	**Power Phase**	Line
Operating Function	PoE mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	28.66	-27.16	55.82	19.01	9.63	0.02	Average
2	0.15	48.72	-17.10	65.82	39.07	9.63	0.02	QP
3	0.34	25.40	-23.91	49.31	15.75	9.63	0.02	Average
4	0.34	34.47	-24.84	59.31	24.82	9.63	0.02	QP
5	0.71	27.78	-18.22	46.00	18.13	9.63	0.02	Average
6	0.71	34.67	-21.33	56.00	25.02	9.63	0.02	QP
7	0.89	25.47	-20.53	46.00	15.82	9.63	0.02	Average
8	0.89	33.07	-22.93	56.00	23.42	9.63	0.02	QP
9	3.36	23.30	-22.70	46.00	13.57	9.66	0.07	Average
10	3.36	29.97	-26.03	56.00	20.24	9.66	0.07	QP
11 MAX	19.90	35.12	-14.88	50.00	25.21	9.67	0.24	Average
12	19.90	35.80	-24.20	60.00	25.89	9.67	0.24	QP

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

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_(1Mbps)_2TX	-	-	-	-	-
2.4-2.4835GHz	10.075M	13.868M	13M9G1D	10M	13.668M
802.11g_(6Mbps)_2TX	-	-	-	-	-
2.4-2.4835GHz	16.325M	16.692M	16M7D1D	16.275M	16.542M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.55M	17.891M	17M9D1D	16M	17.716M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	36.05M	36.332M	36M3D1D	35.1M	36.232M

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

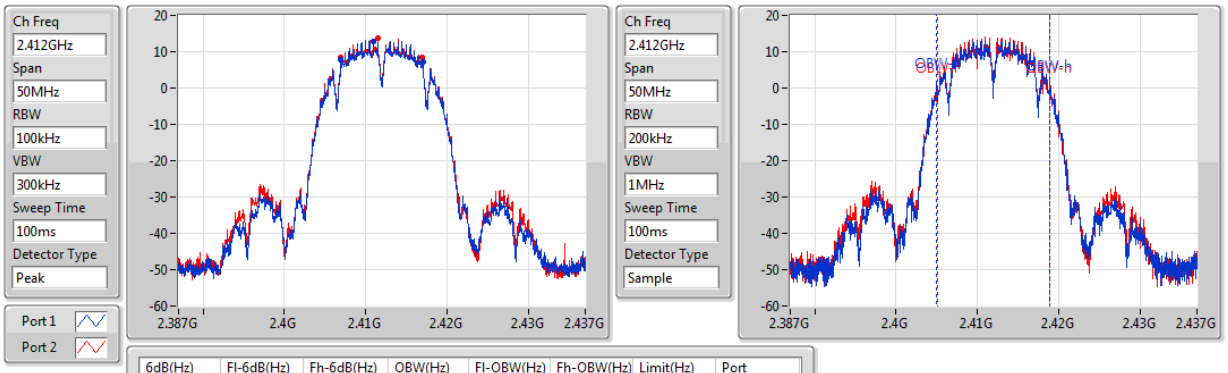
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.075M	13.868M	10.025M	13.793M
2437MHz	Pass	500k	10M	13.843M	10.025M	13.793M
2462MHz	Pass	500k	10.025M	13.743M	10M	13.668M
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.275M	16.567M	16.325M	16.542M
2437MHz	Pass	500k	16.275M	16.617M	16.275M	16.692M
2462MHz	Pass	500k	16.325M	16.567M	16.3M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.716M	17.525M	17.741M
2437MHz	Pass	500k	17.15M	17.816M	16M	17.891M
2462MHz	Pass	500k	17.55M	17.791M	17.525M	17.741M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.8M	36.282M	36.05M	36.282M
2437MHz	Pass	500k	35.1M	36.232M	36M	36.332M
2452MHz	Pass	500k	35.55M	36.332M	35.3M	36.282M

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

802.11b_(1Mbps)_2TX EBW

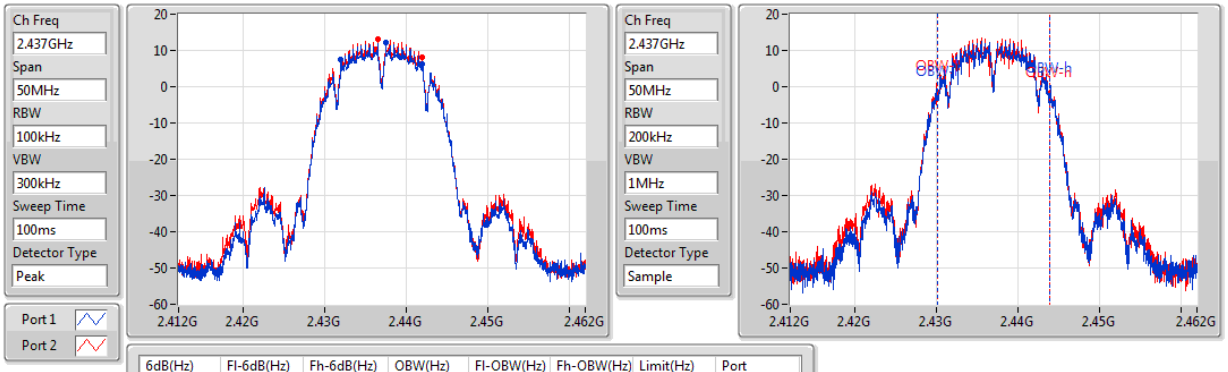
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.075M	2.40695G	2.417025G	13.868M	2.405028G	2.418897G	500k	1
10.025M	2.40695G	2.416975G	13.793M	2.405078G	2.418872G	500k	2

802.11b_(1Mbps)_2TX EBW

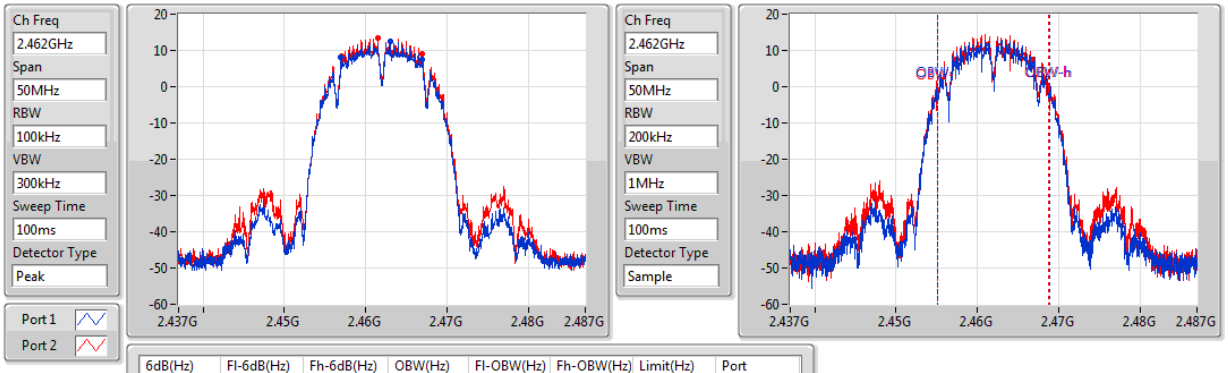
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10M	2.431975G	2.441975G	13.843M	2.430053G	2.443897G	500k	1
10.025M	2.43195G	2.441975G	13.793M	2.430053G	2.443847G	500k	2

802.11b_(1Mbps)_2TX EBW

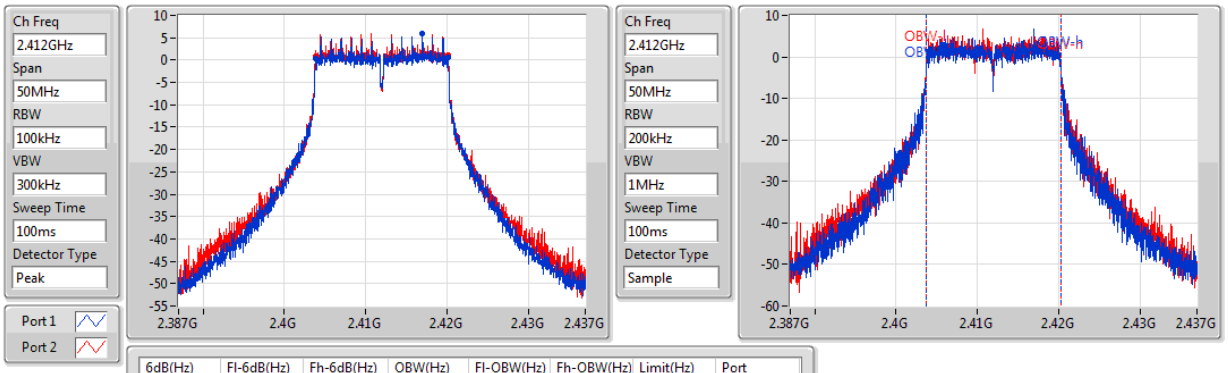
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
10.025M	2.456975G	2.467G	13.743M	2.455103G	2.468847G	500k	1
10M	2.457G	2.467G	13.668M	2.455153G	2.468822G	500k	2

802.11g_(6Mbps)_2TX **EBW**

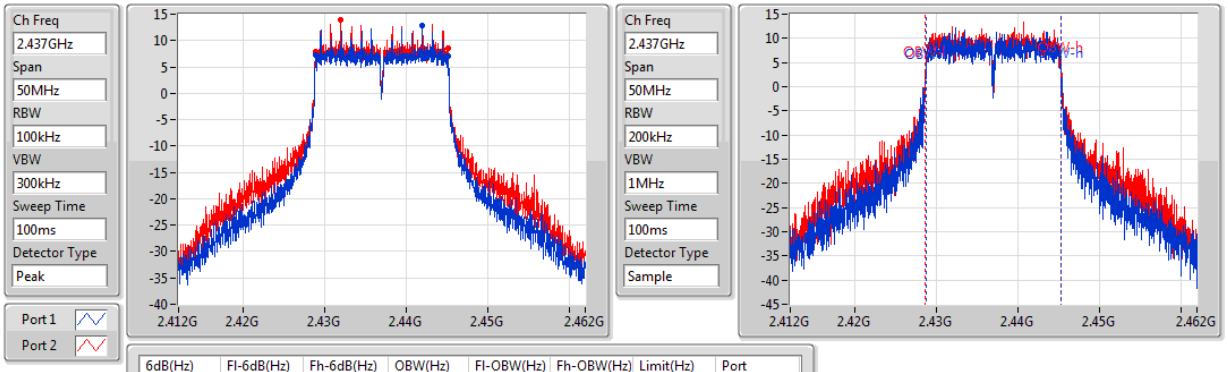
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.40385G	2.420125G	16.567M	2.403704G	2.420271G	500k	1
16.325M	2.403825G	2.42015G	16.542M	2.403729G	2.420271G	500k	2

802.11g_(6Mbps)_2TX **EBW**

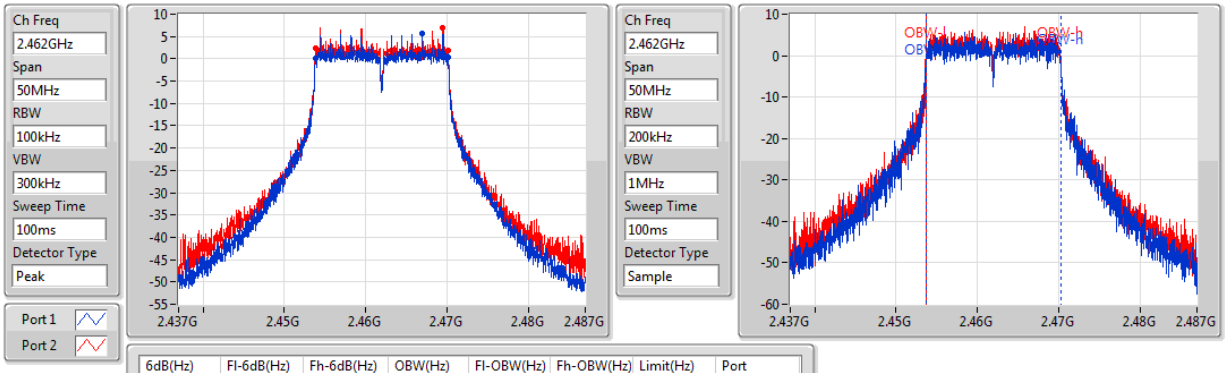
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.42885G	2.445125G	16.617M	2.428654G	2.445271G	500k	1
16.275M	2.42885G	2.445125G	16.692M	2.428629G	2.445321G	500k	2

802.11g_(6Mbps)_2TX **EBW**

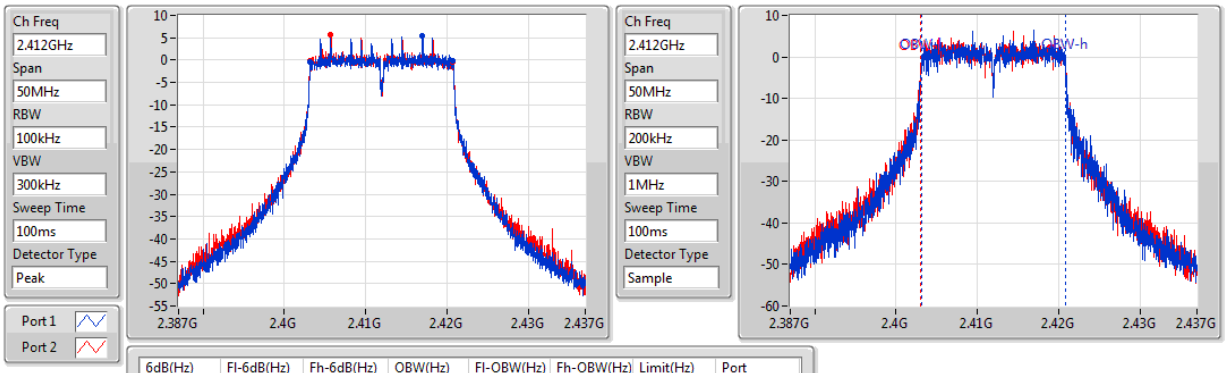
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.567M	2.453679G	2.470246G	500k	1
16.3M	2.453825G	2.470125G	16.592M	2.453679G	2.470271G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX **EBW**

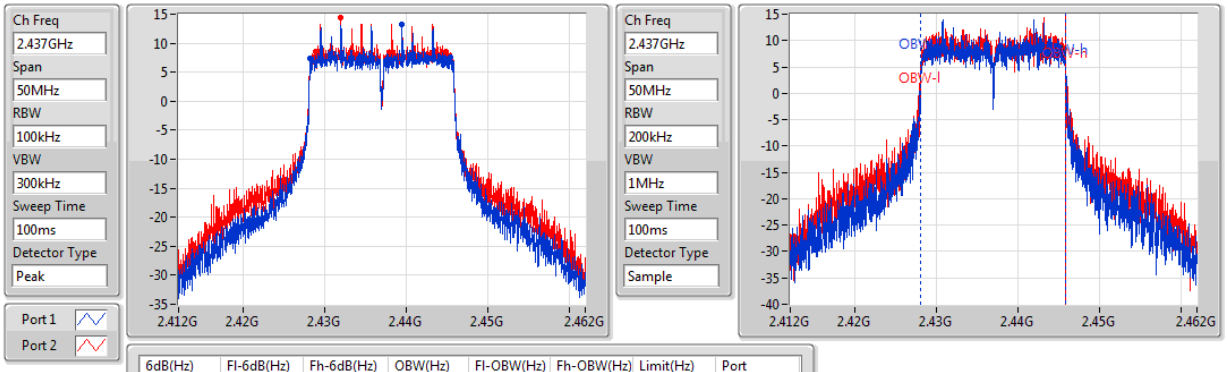
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.403225G	2.42075G	17.716M	2.403129G	2.420846G	500k	1
17.525M	2.4032G	2.420725G	17.741M	2.403079G	2.420821G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX **EBW**

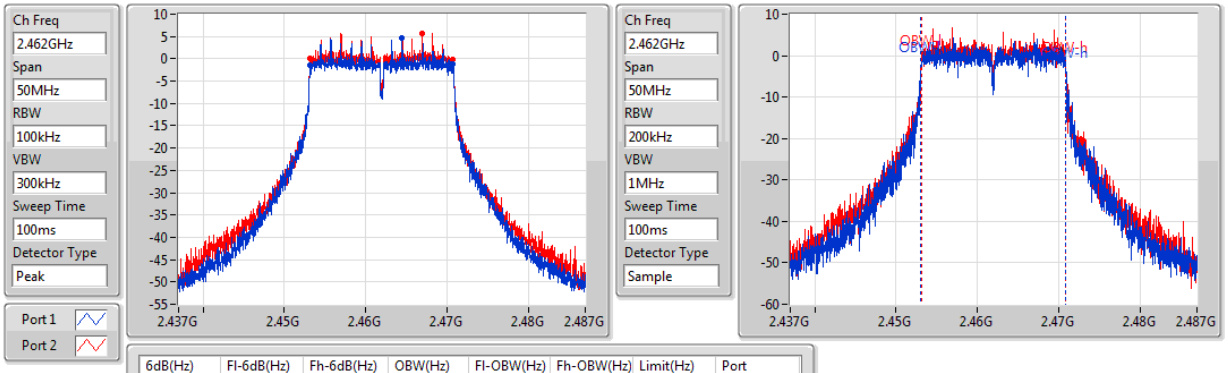
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.15M	2.428225G	2.445375G	17.816M	2.428054G	2.445871G	500k	1
16M	2.42885G	2.44485G	17.891M	2.428004G	2.445896G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX **EBW**

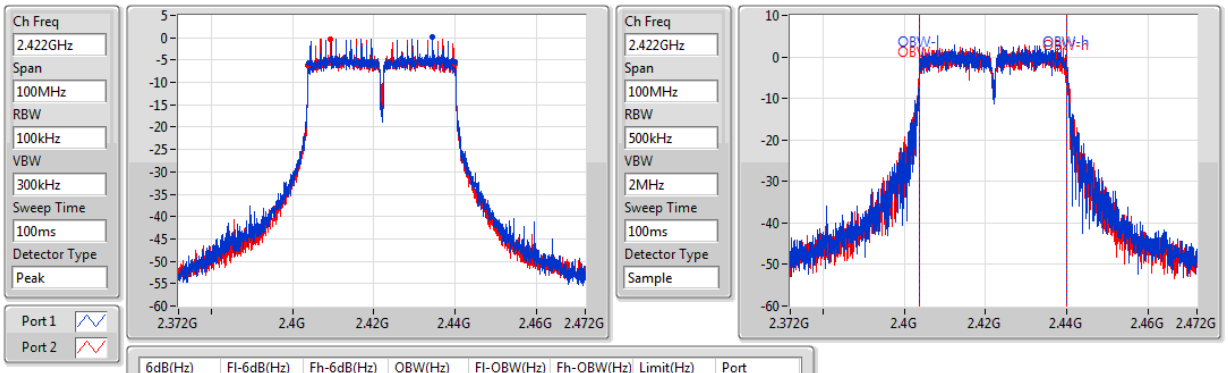
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4532G	2.47075G	17.791M	2.453079G	2.470871G	500k	1
17.525M	2.4532G	2.470725G	17.741M	2.453104G	2.470846G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX **EBW**

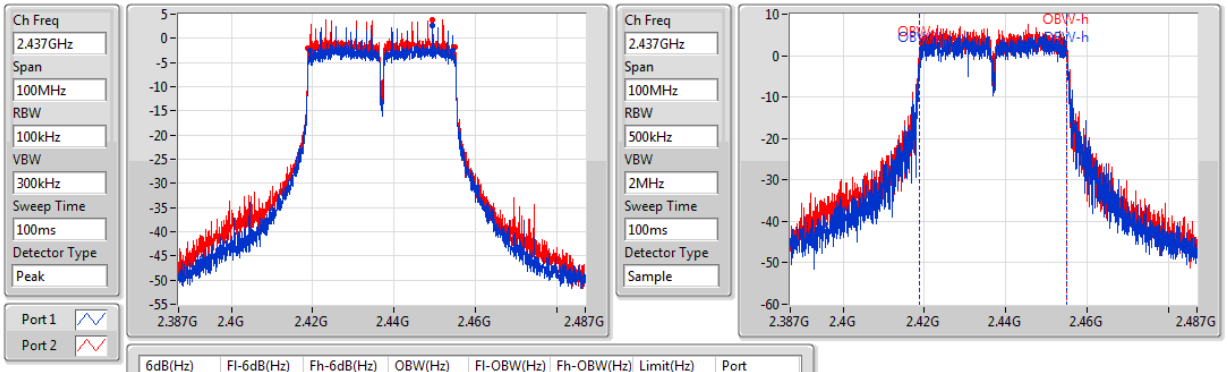
2422MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.8M	2.4041G	2.4399G	36.282M	2.403809G	2.440091G	500k	1
36.05M	2.40385G	2.4399G	36.282M	2.403759G	2.440041G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX **EBW**

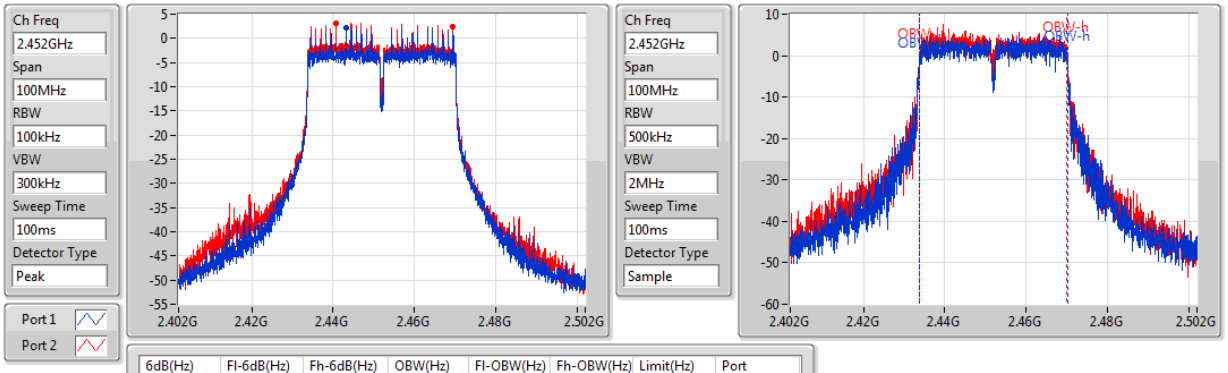
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	2.4194G	2.4545G	36.232M	2.418859G	2.455091G	500k	1
36M	2.41885G	2.45485G	36.332M	2.418759G	2.455091G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX **EBW**

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.55M	2.4342G	2.46975G	36.332M	2.433809G	2.470141G	500k	1
35.3M	2.4342G	2.4695G	36.282M	2.433809G	2.470091G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_2TX	-	-
2.4-2.4835GHz	26.12	0.40926
802.11g_(6Mbps)_2TX	-	-
2.4-2.4835GHz	25.35	0.34277
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	25.37	0.34435
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.97	0.09931

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	22.91	23.31	26.12	30.00
2437MHz	Pass	3.60	20.50	21.34	23.95	30.00
2462MHz	Pass	3.60	20.36	21.37	23.90	30.00
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	16.58	17.25	19.94	30.00
2437MHz	Pass	3.60	21.79	22.82	25.35	30.00
2462MHz	Pass	3.60	17.02	18.11	20.61	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	16.49	17.02	19.77	30.00
2437MHz	Pass	3.60	21.91	22.77	25.37	30.00
2462MHz	Pass	3.60	15.41	16.95	19.26	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.60	13.59	13.57	16.59	30.00
2437MHz	Pass	3.60	16.18	17.62	19.97	30.00
2452MHz	Pass	3.60	13.89	13.77	16.84	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_2TX	-
2.4-2.4835GHz	0.70
802.11g_(6Mbps)_2TX	-
2.4-2.4835GHz	-2.07
802.11n HT20_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-1.78
802.11n HT40_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-9.28

RBW=3kHz.

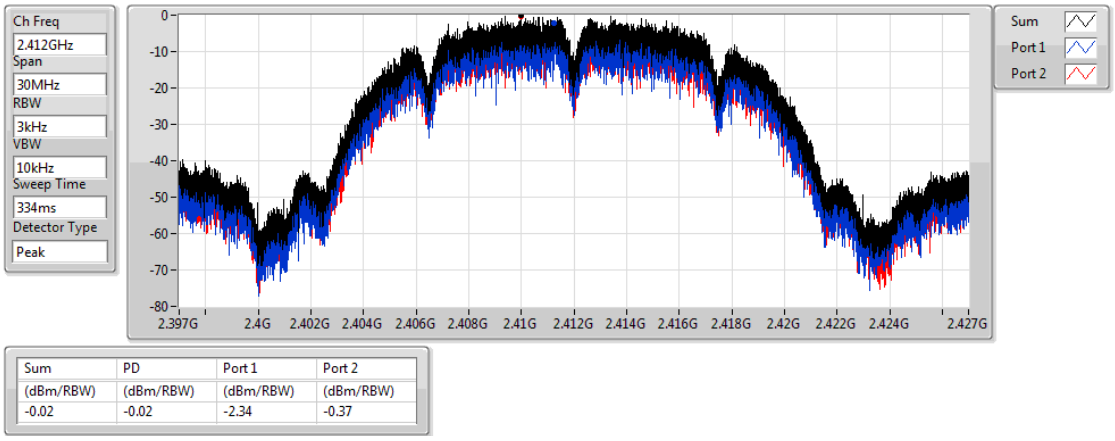
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.12	-2.34	-0.37	-0.02	7.88
2437MHz	Pass	6.12	-4.22	-3.88	-1.34	7.88
2462MHz	Pass	6.12	-2.30	-1.37	0.70	7.88
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.12	-7.97	-9.12	-7.56	7.88
2437MHz	Pass	6.12	-3.28	-3.04	-2.07	7.88
2462MHz	Pass	6.12	-8.81	-7.89	-6.45	7.88
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.12	-9.80	-9.58	-8.18	7.88
2437MHz	Pass	6.12	-3.62	-2.69	-1.78	7.88
2462MHz	Pass	6.12	-10.62	-9.40	-8.79	7.88
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.12	-15.71	-13.82	-13.35	7.88
2437MHz	Pass	6.12	-12.48	-9.87	-9.28	7.88
2452MHz	Pass	6.12	-15.15	-14.74	-13.72	7.88

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

802.11b_(1Mbps)_2TX **PSD**

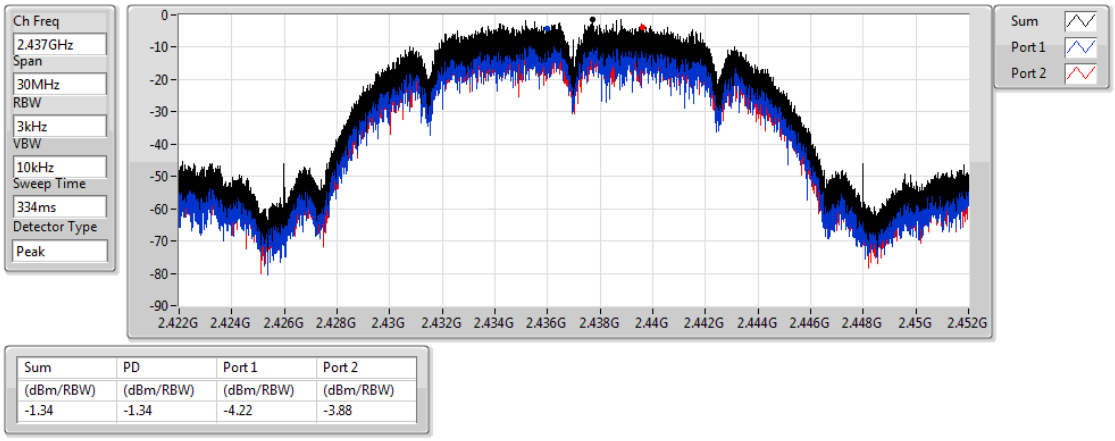
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.02	-0.02	-2.34	-0.37

802.11b_(1Mbps)_2TX **PSD**

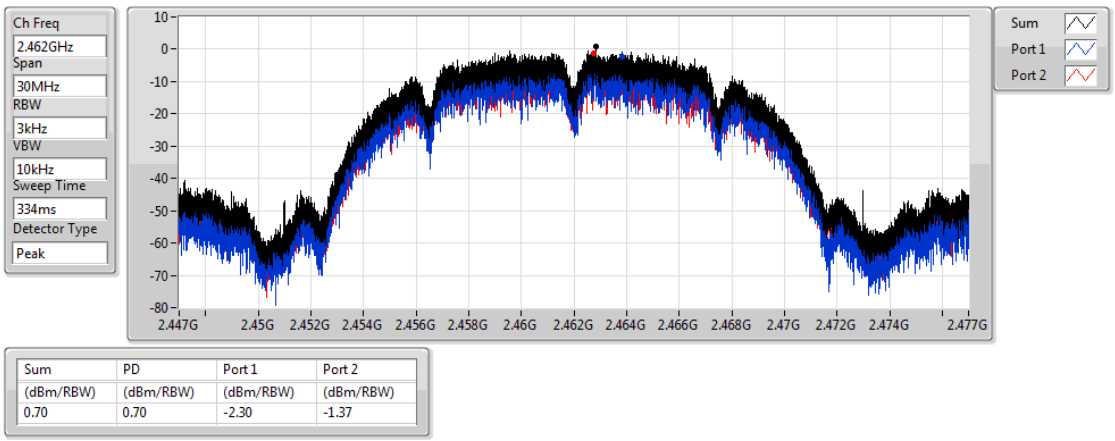
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.34	-1.34	-4.22	-3.88

802.11b_(1Mbps)_2TX **PSD**

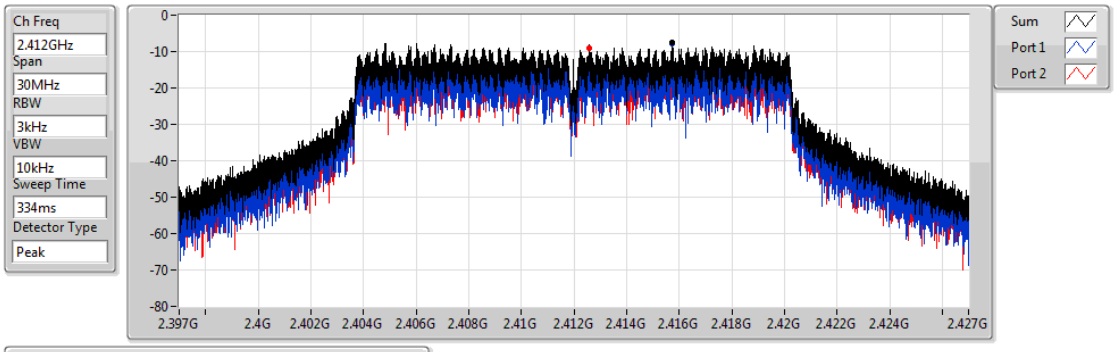
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.70	0.70	-2.30	-1.37

802.11g_(6Mbps)_2TX PSD

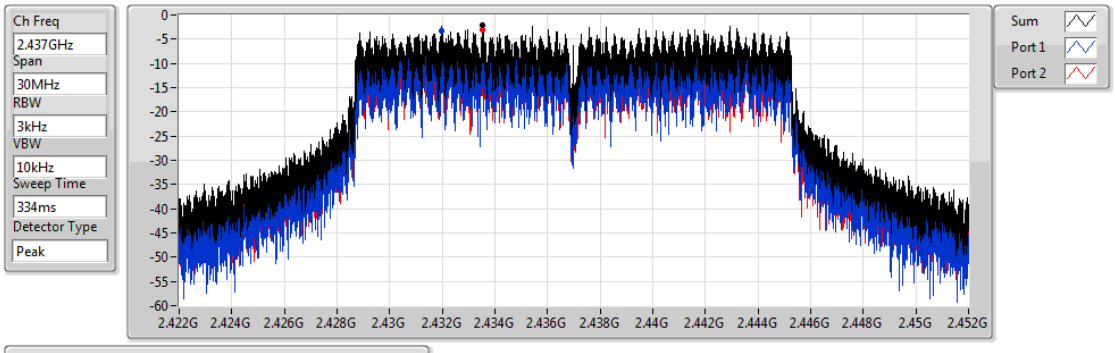
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.56	-7.56	-7.97	-9.12

802.11g_(6Mbps)_2TX PSD

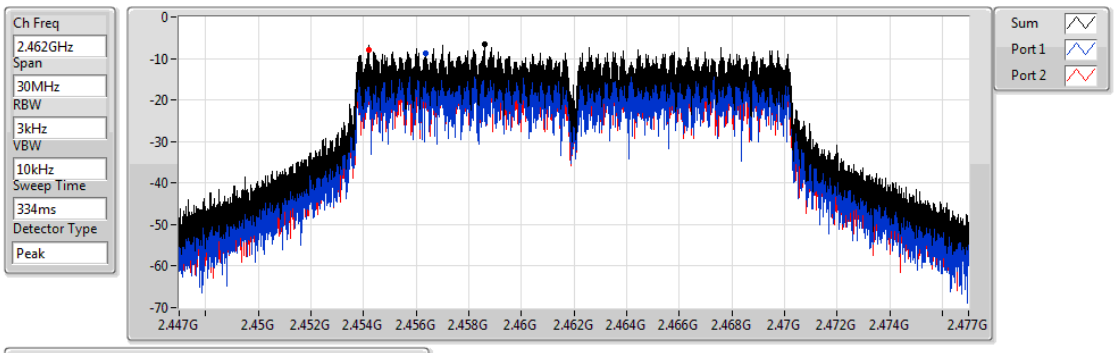
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.07	-2.07	-3.28	-3.04

802.11g_(6Mbps)_2TX PSD

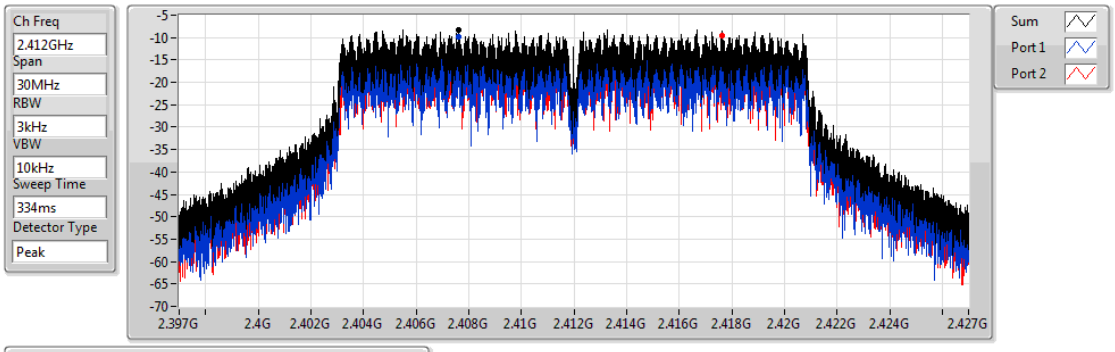
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.45	-6.45	-8.81	-7.89

802.11n HT20_Nss1,(MCS0)_2TX PSD

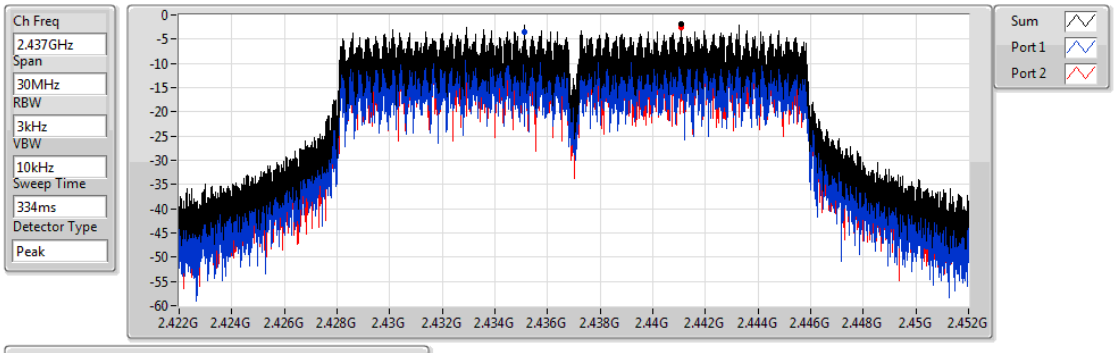
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.18	-8.18	-9.80	-9.58

802.11n HT20_Nss1,(MCS0)_2TX PSD

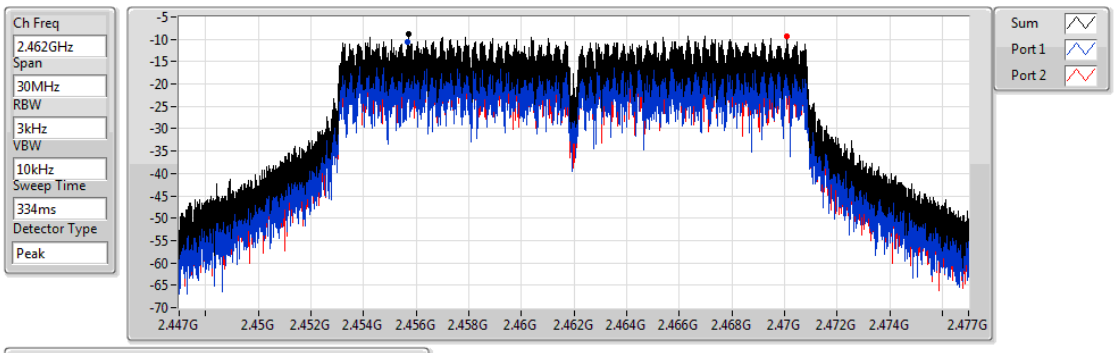
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.78	-1.78	-3.62	-2.69

802.11n HT20_Nss1,(MCS0)_2TX PSD

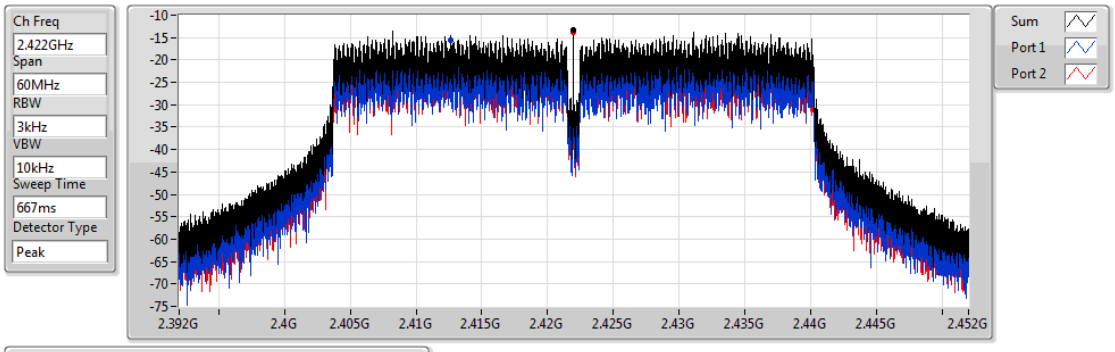
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.79	-8.79	-10.62	-9.40

802.11n HT40_Nss1,(MCS0)_2TX PSD

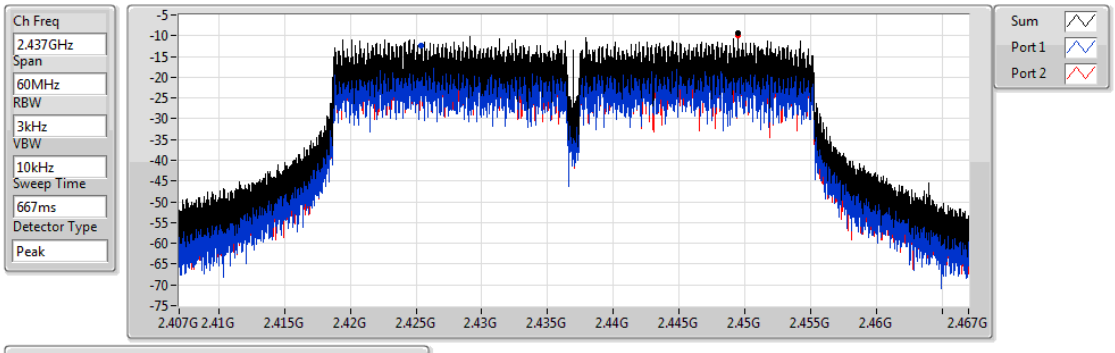
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.35	-13.35	-15.71	-13.82

802.11n HT40_Nss1,(MCS0)_2TX PSD

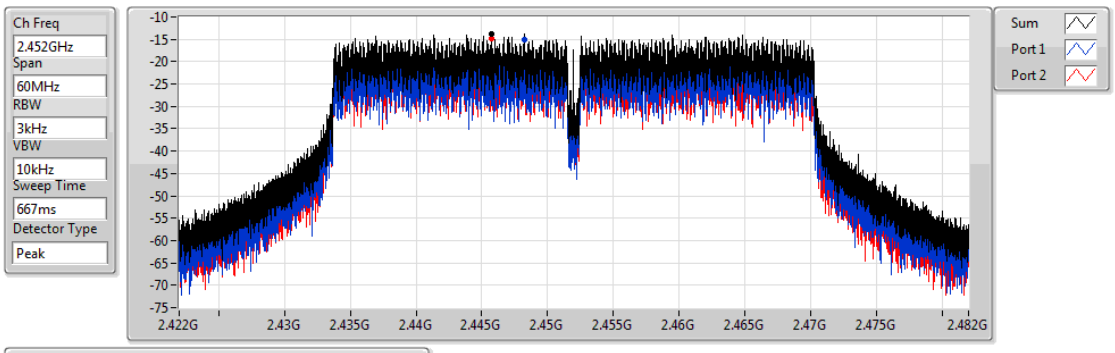
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.28	-9.28	-12.48	-9.87

802.11n HT40_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.72	-13.72	-15.15	-14.74

Summary

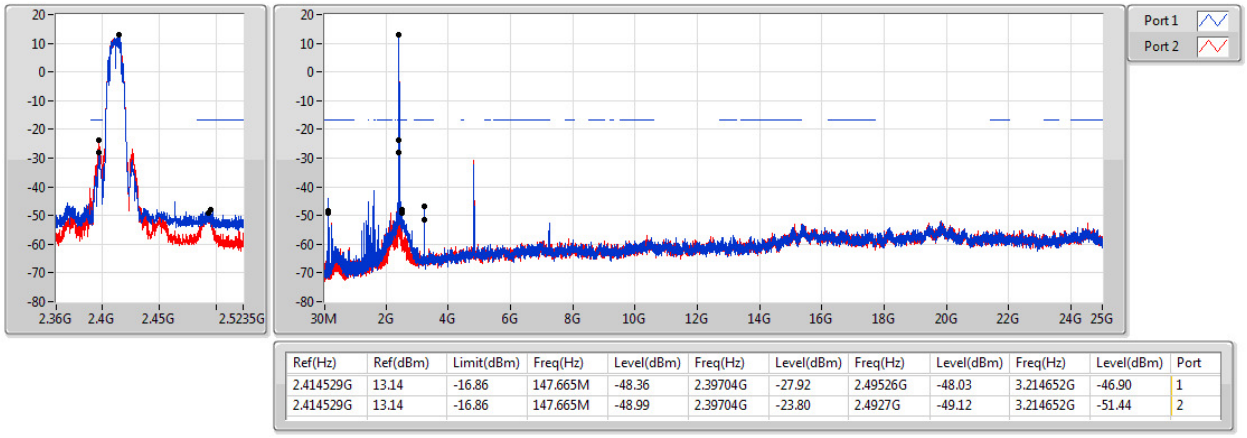
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.431897G	3.97	-26.03	146.79M	-47.88	2.39968G	-30.52	2.49726G	-51.50	3.228181G	-49.71	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.414529G	13.14	-16.86	147.665M	-48.36	2.39704G	-27.92	2.49526G	-48.03	3.214652G	-46.90	1
2412MHz	Pass	2.414529G	13.14	-16.86	147.665M	-48.99	2.39704G	-23.80	2.4927G	-49.12	3.214652G	-51.44	2
2437MHz	Pass	2.414529G	13.14	-16.86	1.624885G	-39.77	2.39536G	-46.98	2.49294G	-47.99	3.248367G	-47.74	1
2437MHz	Pass	2.414529G	13.14	-16.86	1.624885G	-43.96	2.3976G	-49.34	2.5199G	-48.17	24.112178G	-49.66	2
2462MHz	Pass	2.414529G	13.14	-16.86	1.641195G	-40.89	2.39976G	-50.24	2.48798G	-47.50	3.282082G	-50.37	1
2462MHz	Pass	2.414529G	13.14	-16.86	147.665M	-47.92	2.39016G	-54.24	2.48438G	-45.92	2.543167G	-51.03	2
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.441917G	13.58	-16.42	147.665M	-48.41	2.39992G	-25.32	2.48766G	-47.88	3.214652G	-50.98	1
2412MHz	Pass	2.441917G	13.58	-16.42	147.665M	-48.06	2.39976G	-27.42	2.48358G	-50.75	3.214652G	-47.23	2
2437MHz	Pass	2.441917G	13.58	-16.42	1.624885G	-42.84	2.39864G	-40.31	2.48422G	-45.96	3.248367G	-49.40	1
2437MHz	Pass	2.441917G	13.58	-16.42	1.624885G	-41.05	2.398G	-35.19	2.48534G	-40.21	3.248367G	-46.85	2
2462MHz	Pass	2.441917G	13.58	-16.42	1.641195G	-41.33	2.394G	-52.99	2.48726G	-43.86	2.545977G	-51.88	1
2462MHz	Pass	2.441917G	13.58	-16.42	1.641195G	-39.35	2.39416G	-49.65	2.48358G	-38.37	3.282082G	-46.51	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.433233G	13.01	-16.99	147.665M	-47.83	2.39984G	-25.77	2.49038G	-49.26	3.214652G	-47.96	1
2412MHz	Pass	2.433233G	13.01	-16.99	147.665M	-47.84	2.39984G	-25.37	2.52006G	-51.33	15.343534G	-54.34	2
2437MHz	Pass	2.433233G	13.01	-16.99	1.624885G	-43.14	2.39976G	-37.03	2.4851G	-44.30	3.248367G	-49.44	1
2437MHz	Pass	2.433233G	13.01	-16.99	1.624885G	-42.24	2.39976G	-33.69	2.48782G	-41.43	3.248367G	-47.03	2
2462MHz	Pass	2.433233G	13.01	-16.99	1.641195G	-40.07	2.3956G	-50.11	2.48382G	-47.61	3.282082G	-51.04	1
2462MHz	Pass	2.433233G	13.01	-16.99	1.641195G	-40.67	2.3996G	-51.36	2.48358G	-42.25	3.282082G	-46.47	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.431897G	3.97	-26.03	146.79M	-47.88	2.39968G	-30.52	2.49726G	-51.50	3.228181G	-49.71	1
2422MHz	Pass	2.431897G	3.97	-26.03	146.79M	-47.85	2.39968G	-31.55	2.50398G	-51.28	3.228181G	-46.65	2
2437MHz	Pass	2.431897G	3.97	-26.03	1.624985G	-41.31	2.39968G	-37.05	2.48382G	-48.57	3.247813G	-49.48	1
2437MHz	Pass	2.431897G	3.97	-26.03	1.624985G	-39.87	2.39856G	-38.58	2.49694G	-44.92	3.247813G	-46.56	2
2452MHz	Pass	2.431897G	3.97	-26.03	1.63529G	-40.37	2.39264G	-50.86	2.48558G	-39.48	3.267445G	-50.08	1
2452MHz	Pass	2.431897G	3.97	-26.03	1.63529G	-41.05	2.39952G	-46.20	2.48446G	-35.66	3.267445G	-51.81	2

802.11b_(1Mbps)_2TX **CSE NdB**

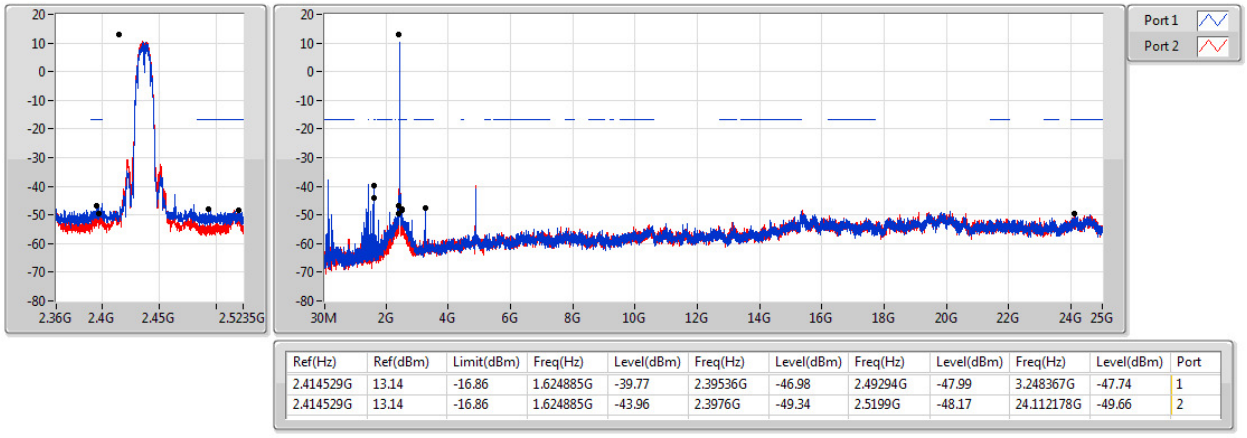
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.414529G	13.14	-16.86	147.665M	-48.36	2.39704G	-27.92	2.49526G	-48.03	3.214652G	-46.90	1
2.414529G	13.14	-16.86	147.665M	-48.99	2.39704G	-23.80	2.4927G	-49.12	3.214652G	-51.44	2

802.11b_(1Mbps)_2TX **CSE NdB**

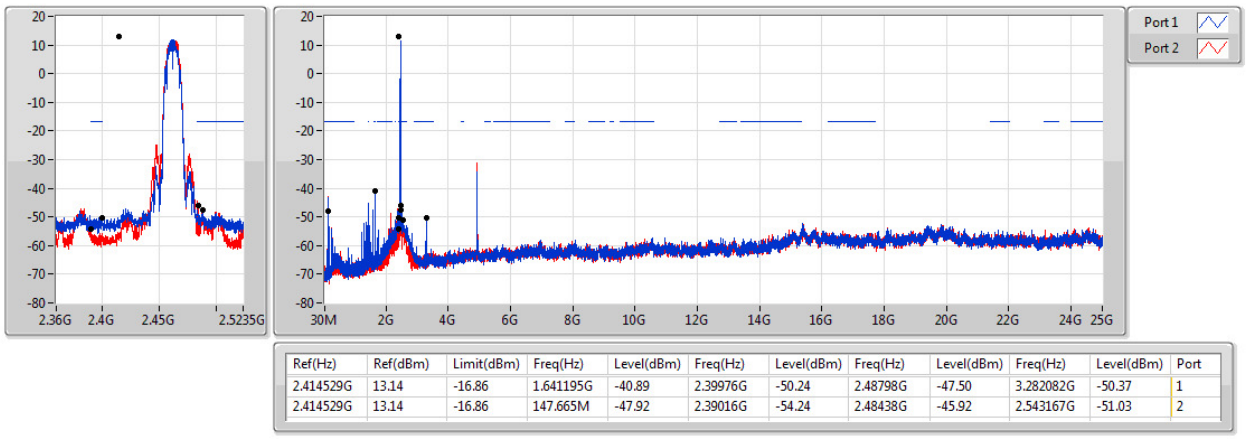
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.414529G	13.14	-16.86	1.624885G	-39.77	2.39536G	-46.98	2.49294G	-47.99	3.248367G	-47.74	1
2.414529G	13.14	-16.86	1.624885G	-43.96	2.3976G	-49.34	2.5199G	-48.17	24.112178G	-49.66	2

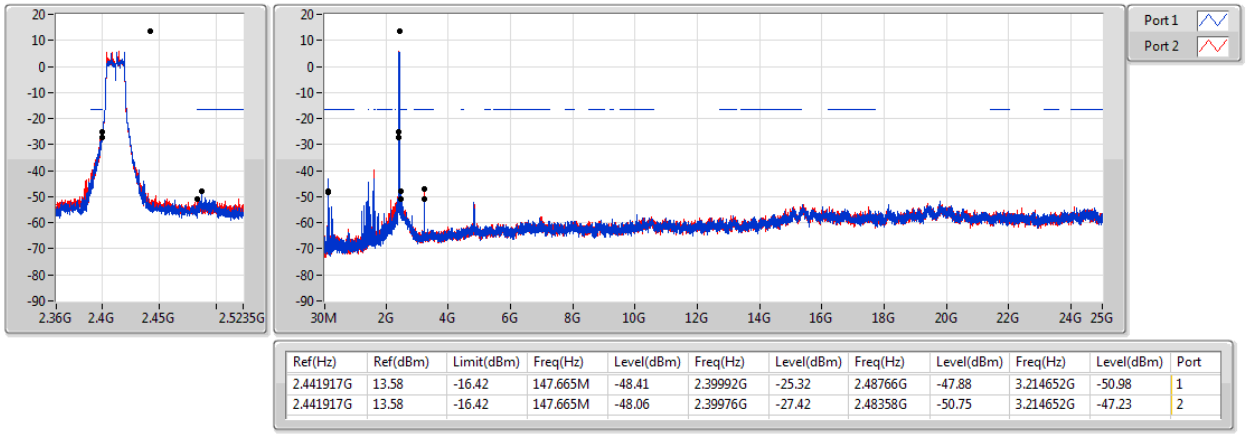
802.11b_(1Mbps)_2TX **CSE NdB**

2462MHz



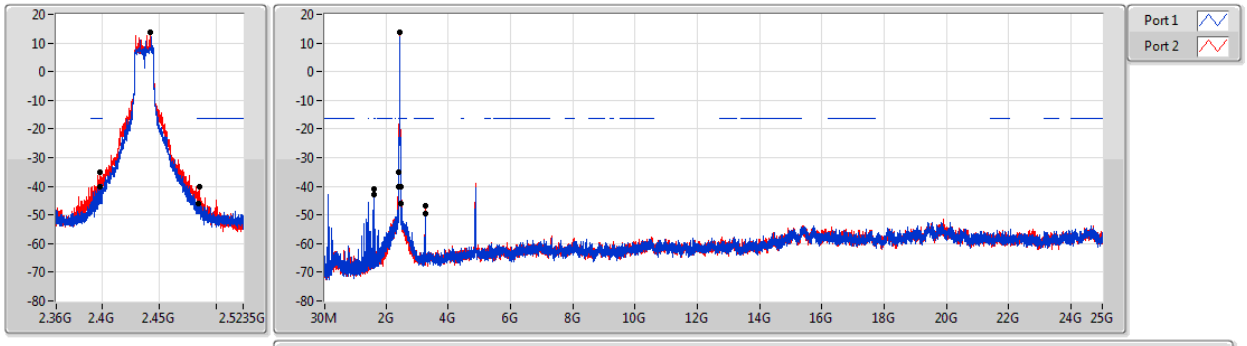
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.414529G	13.14	-16.86	1.641195G	-40.89	2.39976G	-50.24	2.48798G	-47.50	3.282082G	-50.37	1
2.414529G	13.14	-16.86	147.665M	-47.92	2.39016G	-54.24	2.48438G	-45.92	2.543167G	-51.03	2

802.11g_(6Mbps)_2TX
2412MHz
CSE NdB



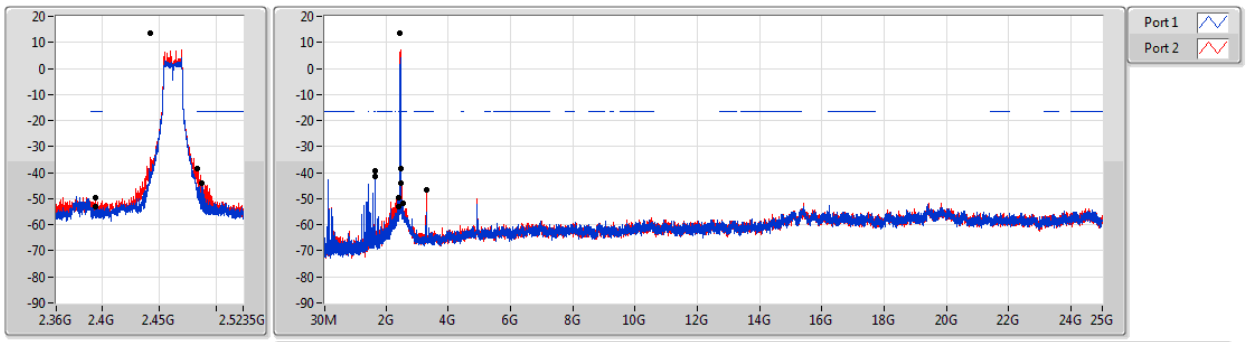
Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	13.58	-16.42	147.665M	-48.41	2.39992G	-25.32	2.48766G	-47.88	3.214652G	-50.98	1
2.441917G	13.58	-16.42	147.665M	-48.06	2.39976G	-27.42	2.48358G	-50.75	3.214652G	-47.23	2

802.11g_(6Mbps)_2TX
2437MHz
CSE NdB



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	13.58	-16.42	1.624885G	-42.84	2.39864G	-40.31	2.48422G	-45.96	3.248367G	-49.40	1
2.441917G	13.58	-16.42	1.624885G	-41.05	2.398G	-35.19	2.48534G	-40.21	3.248367G	-46.85	2

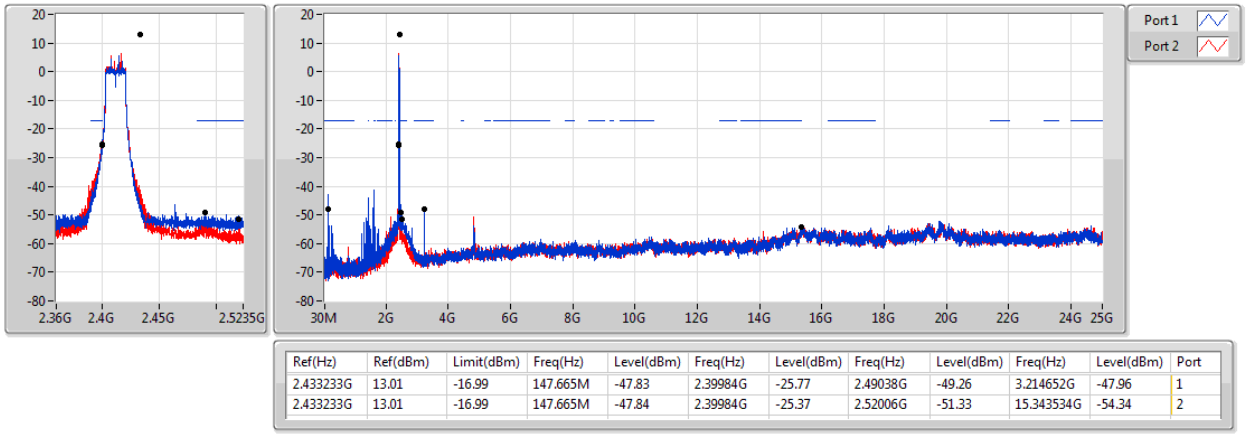
802.11g_(6Mbps)_2TX
2462MHz
CSE NdB



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.441917G	13.58	-16.42	1.641195G	-41.33	2.394G	-52.99	2.48726G	-43.86	2.545977G	-51.88	1
2.441917G	13.58	-16.42	1.641195G	-39.35	2.39416G	-49.65	2.48358G	-38.37	3.282082G	-46.51	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

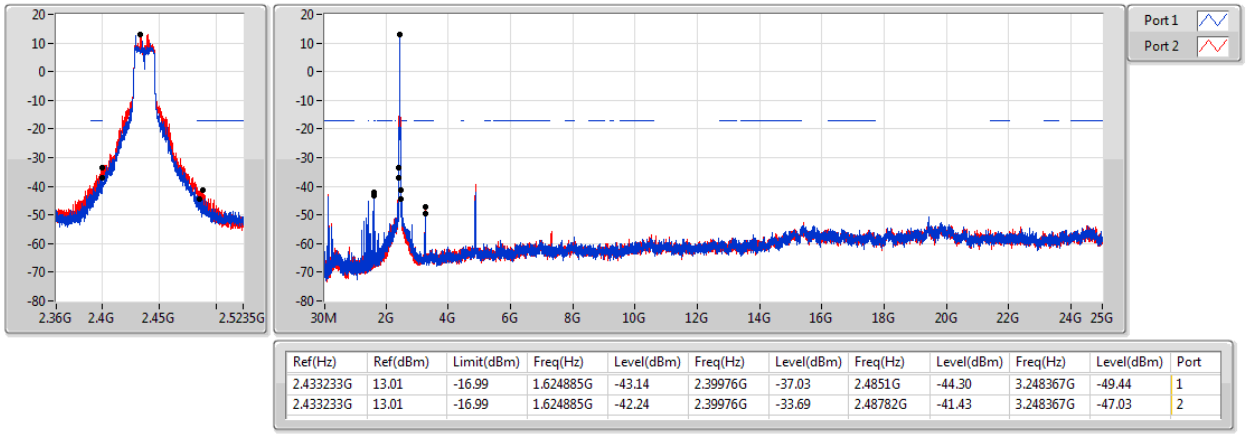
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	13.01	-16.99	147.665M	-47.83	2.39984G	-25.77	2.49038G	-49.26	3.214652G	-47.96	1
2.433233G	13.01	-16.99	147.665M	-47.84	2.39984G	-25.37	2.52006G	-51.33	15.343534G	-54.34	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

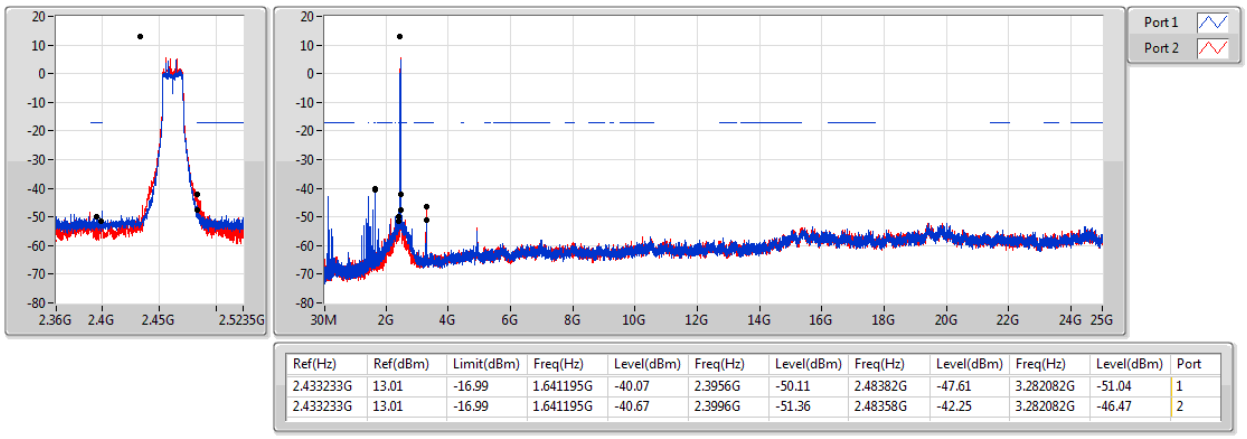
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	13.01	-16.99	1.624885G	-43.14	2.39976G	-37.03	2.4851G	-44.30	3.248367G	-49.44	1
2.433233G	13.01	-16.99	1.624885G	-42.24	2.39976G	-33.69	2.48782G	-41.43	3.248367G	-47.03	2

802.11n HT20_Nss1,(MCS0)_2TX **CSE NdB**

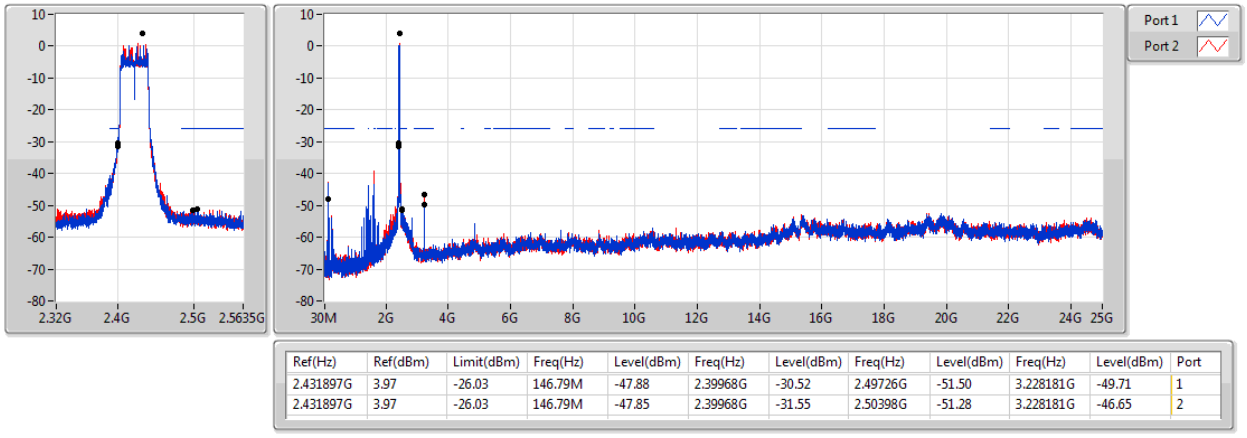
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.433233G	13.01	-16.99	1.641195G	-40.07	2.3956G	-50.11	2.48382G	-47.61	3.282082G	-51.04	1
2.433233G	13.01	-16.99	1.641195G	-40.67	2.3996G	-51.36	2.48358G	-42.25	3.282082G	-46.47	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

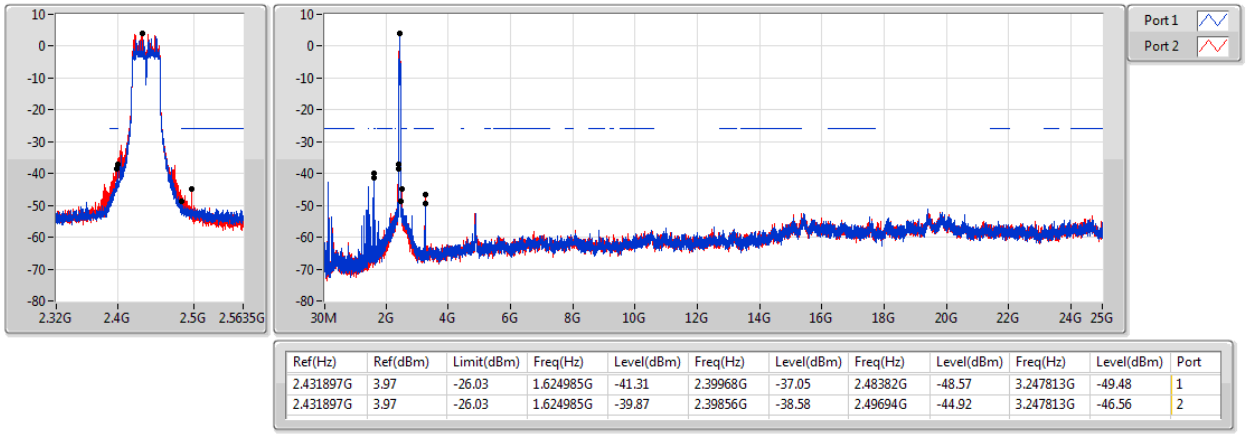
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	3.97	-26.03	146.79M	-47.88	2.39968G	-30.52	2.49726G	-51.50	3.228181G	-49.71	1
2.431897G	3.97	-26.03	146.79M	-47.85	2.39968G	-31.55	2.50398G	-51.28	3.228181G	-46.65	2

802.11n HT40_Nss1,(MCS0)_2TX **CSE NdB**

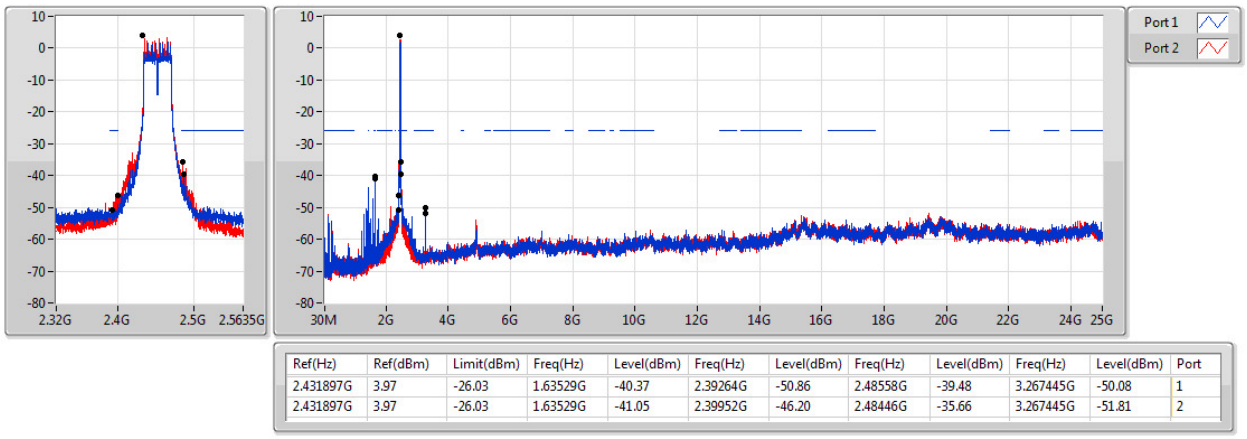
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.431897G	3.97	-26.03	1.624985G	-41.31	2.39968G	-37.05	2.48382G	-48.57	3.247813G	-49.48	1
2.431897G	3.97	-26.03	1.624985G	-39.87	2.39856G	-38.58	2.49694G	-44.92	3.247813G	-46.56	2

802.11n HT40_Nss1,(MCS0)_2TX **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
2.431897G	3.97	-26.03	1.63529G	-40.37	2.39264G	-50.86	2.48558G	-39.48	3.267445G	-50.08	1
2.431897G	3.97	-26.03	1.63529G	-41.05	2.39952G	-46.20	2.48446G	-35.66	3.267445G	-51.81	2

Summary

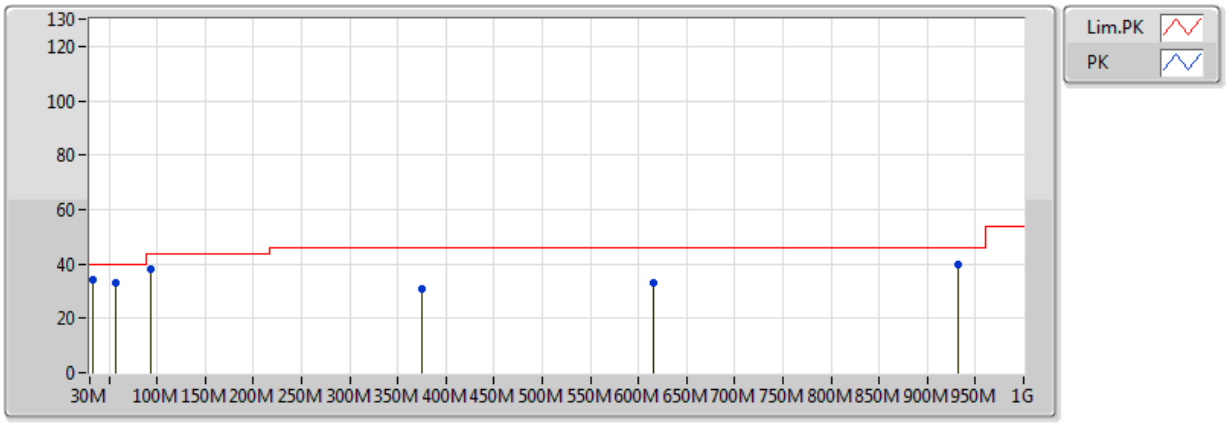
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	QP	37.76M	34.75	40.00	-5.25	-6.25	3	V	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	31.94M	30.64	40.00	-9.36	-4.22	3	H	0	1.00	-
2437MHz	Pass	PK	95.96M	37.19	43.50	-6.31	-10.70	3	H	0	1.00	-
2437MHz	Pass	PK	173.56M	33.71	43.50	-9.79	-9.77	3	H	0	1.00	-
2437MHz	Pass	PK	375.32M	32.11	46.00	-13.89	-3.83	3	H	0	1.00	-
2437MHz	Pass	PK	629.46M	33.94	46.00	-12.06	1.97	3	H	0	1.00	-
2437MHz	Pass	PK	850.62M	37.52	46.00	-8.48	5.77	3	H	0	1.00	-
2437MHz	Pass	PK	33.88M	34.04	40.00	-5.96	-4.80	3	V	360	1.00	-
2437MHz	Pass	PK	57.16M	33.20	40.00	-6.80	-14.30	3	V	360	1.00	-
2437MHz	Pass	PK	94.02M	37.84	43.50	-5.66	-10.99	3	V	360	1.00	-
2437MHz	Pass	PK	375.32M	30.68	46.00	-15.32	-3.83	3	V	360	1.00	-
2437MHz	Pass	PK	615.88M	33.07	46.00	-12.93	1.48	3	V	360	1.00	-
2437MHz	Pass	PK	932.1M	39.69	46.00	-6.31	7.16	3	V	360	1.00	-
2437MHz	Pass	PK	72.68M	29.87	40.00	-10.13	-13.87	3	H	0	3.00	-
2437MHz	Pass	PK	125.06M	31.00	43.50	-12.50	-8.00	3	H	0	3.00	-
2437MHz	Pass	PK	249.22M	35.17	46.00	-10.83	-6.53	3	H	0	3.00	-
2437MHz	Pass	PK	375.32M	34.94	46.00	-11.06	-3.83	3	H	0	3.00	-
2437MHz	Pass	PK	625.58M	36.14	46.00	-9.86	1.85	3	H	0	3.00	-
2437MHz	Pass	PK	999.999M	42.34	54.00	-11.66	8.52	3	H	0	3.00	-
2437MHz	Pass	PK	72.68M	28.76	40.00	-11.24	-13.87	3	V	360	3.00	-
2437MHz	Pass	PK	249.22M	29.10	46.00	-16.90	-6.53	3	V	360	3.00	-
2437MHz	Pass	PK	503.36M	30.04	46.00	-15.96	-0.98	3	V	360	3.00	-
2437MHz	Pass	PK	625.58M	34.40	46.00	-11.60	1.85	3	V	360	3.00	-
2437MHz	Pass	PK	960.00096M	39.66	54.00	-14.34	8.16	3	V	360	3.00	-
2437MHz	Pass	QP	37.76M	34.75	40.00	-5.25	-6.25	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_adapter

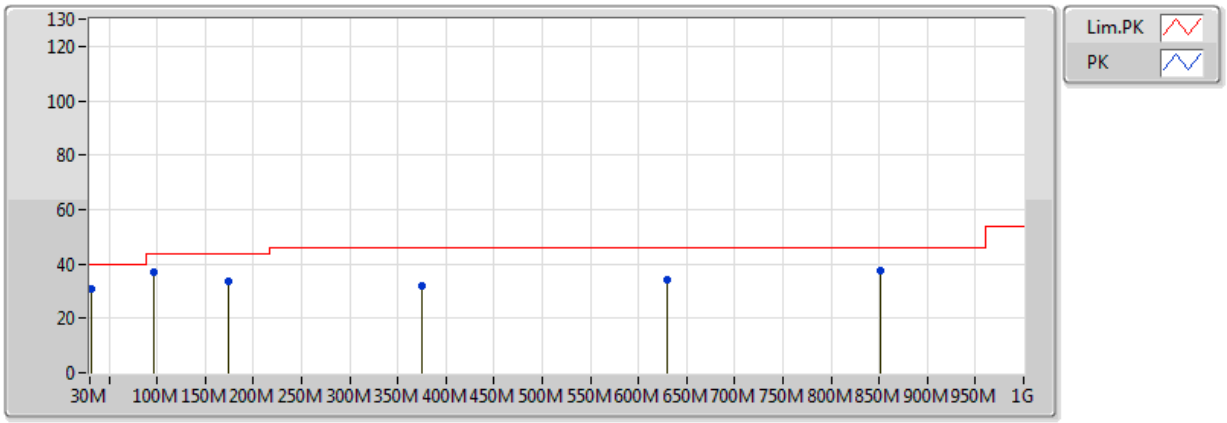


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	33.88M	34.04	40.00	-5.96	-4.80	3	V	360	1.00	-
PK	57.16M	33.20	40.00	-6.80	-14.30	3	V	360	1.00	-
PK	94.02M	37.84	43.50	-5.66	-10.99	3	V	360	1.00	-
PK	375.32M	30.68	46.00	-15.32	-3.83	3	V	360	1.00	-
PK	615.88M	33.07	46.00	-12.93	1.48	3	V	360	1.00	-
PK	932.1M	39.69	46.00	-6.31	7.16	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_adapter

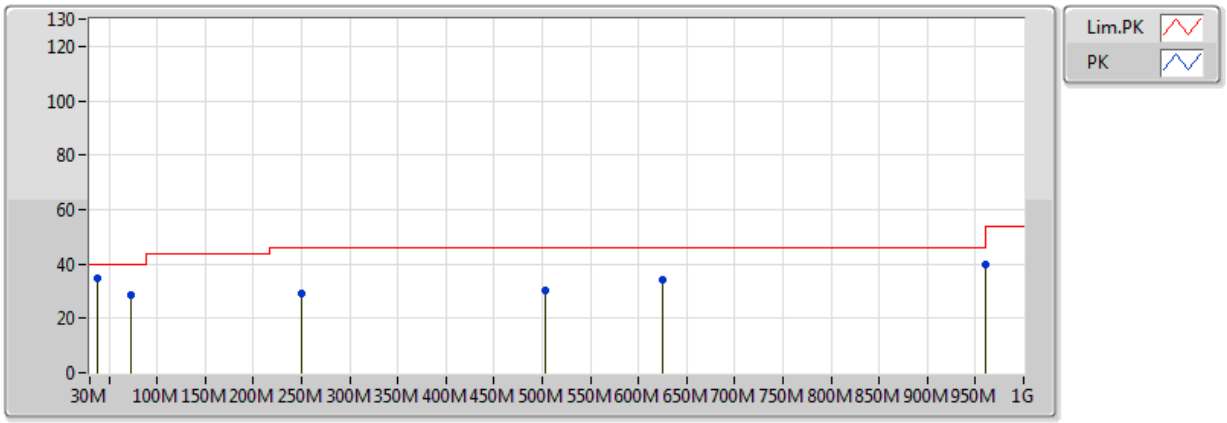


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	31.94M	30.64	40.00	-9.36	-4.22	3	H	0	1.00	-
PK	95.96M	37.19	43.50	-6.31	-10.70	3	H	0	1.00	-
PK	173.56M	33.71	43.50	-9.79	-9.77	3	H	0	1.00	-
PK	375.32M	32.11	46.00	-13.89	-3.83	3	H	0	1.00	-
PK	629.46M	33.94	46.00	-12.06	1.97	3	H	0	1.00	-
PK	850.62M	37.52	46.00	-8.48	5.77	3	H	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_PoE

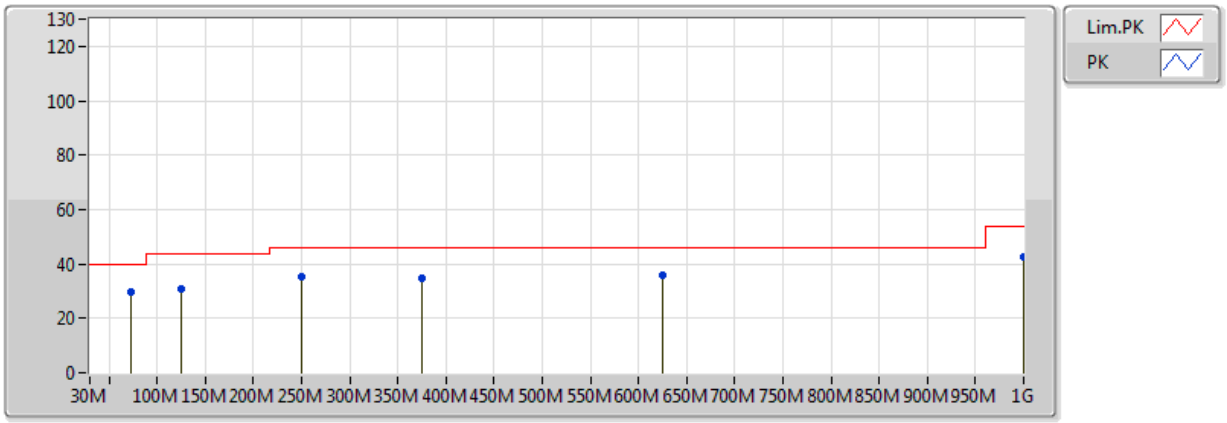


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	72.68M	28.76	40.00	-11.24	-13.87	3	V	360	1.00	-
PK	249.22M	29.10	46.00	-16.90	-6.53	3	V	360	1.00	-
PK	503.36M	30.04	46.00	-15.96	-0.98	3	V	360	1.00	-
PK	625.58M	34.40	46.00	-11.60	1.85	3	V	360	1.00	-
PK	960.00096M	39.66	54.00	-14.34	8.16	3	V	360	1.00	-
QP	37.76M	34.75	40.00	-5.25	-6.25	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_PoE



EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	72.68M	29.87	40.00	-10.13	-13.87	3	H	0	1.00	-
PK	125.06M	31.00	43.50	-12.50	-8.00	3	H	0	1.00	-
PK	249.22M	35.17	46.00	-10.83	-6.53	3	H	0	1.00	-
PK	375.32M	34.94	46.00	-11.06	-3.83	3	H	0	1.00	-
PK	625.58M	36.14	46.00	-9.86	1.85	3	H	0	1.00	-
PK	999.999M	42.34	54.00	-11.66	8.52	3	H	0	1.00	-

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	2.4836G	73.41	74.00	-0.59	31.69	3	V	269	3.49	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3894G	50.95	54.00	-3.05	31.39	3	H	216	1.00	-
2412MHz	Pass	AV	2.4138G	113.46	Inf	-Inf	31.46	3	H	216	1.00	-
2412MHz	Pass	AV	4.824G	42.82	54.00	-11.18	6.42	3	H	206	1.01	-
2412MHz	Pass	PK	2.387G	67.47	74.00	-6.53	31.38	3	H	216	1.00	-
2412MHz	Pass	PK	2.4136G	117.03	Inf	-Inf	31.46	3	H	216	1.00	-
2412MHz	Pass	PK	4.824G	49.62	74.00	-24.38	6.42	3	H	206	1.01	-
2412MHz	Pass	AV	2.3892G	49.15	54.00	-4.85	31.39	3	V	278	3.69	-
2412MHz	Pass	AV	2.4138G	110.47	Inf	-Inf	31.46	3	V	278	3.69	-
2412MHz	Pass	AV	4.824G	43.50	54.00	-10.50	6.42	3	V	226	1.10	-
2412MHz	Pass	PK	2.3862G	63.93	74.00	-10.07	31.38	3	V	278	3.69	-
2412MHz	Pass	PK	2.4136G	114.05	Inf	-Inf	31.46	3	V	278	3.69	-
2412MHz	Pass	PK	4.824G	49.42	74.00	-24.58	6.42	3	V	226	1.10	-
2437MHz	Pass	AV	2.389998G	51.34	54.00	-2.66	31.39	3	H	180	3.09	-
2437MHz	Pass	AV	2.4386G	116.15	Inf	-Inf	31.54	3	H	180	3.09	-
2437MHz	Pass	AV	2.4846G	52.43	54.00	-1.57	31.69	3	H	180	3.09	-
2437MHz	Pass	PK	2.3586G	64.89	74.00	-9.11	31.29	3	H	180	3.09	-
2437MHz	Pass	PK	2.4386G	119.17	Inf	-Inf	31.54	3	H	180	3.09	-
2437MHz	Pass	PK	2.485G	63.46	74.00	-10.54	31.69	3	H	180	3.09	-
2437MHz	Pass	AV	2.389G	46.56	54.00	-7.44	31.39	3	V	93	3.69	-
2437MHz	Pass	AV	2.4386G	110.53	Inf	-Inf	31.54	3	V	93	3.69	-
2437MHz	Pass	AV	2.485G	47.30	54.00	-6.70	31.69	3	V	93	3.69	-
2437MHz	Pass	PK	2.3566G	61.01	74.00	-12.99	31.29	3	V	93	3.69	-
2437MHz	Pass	PK	2.4374G	113.37	Inf	-Inf	31.54	3	V	93	3.69	-
2437MHz	Pass	PK	2.485G	60.76	74.00	-13.24	31.69	3	V	93	3.69	-
2437MHz	Pass	AV	4.874G	42.03	54.00	-11.97	6.53	3	H	205	1.09	-
2437MHz	Pass	AV	7.311G	50.12	54.00	-3.88	12.52	3	H	231	1.02	-
2437MHz	Pass	PK	4.874G	48.77	74.00	-25.23	6.53	3	H	205	1.09	-
2437MHz	Pass	PK	7.311G	58.02	74.00	-15.98	12.52	3	H	231	1.02	-
2437MHz	Pass	AV	4.874G	41.88	54.00	-12.12	6.53	3	V	223	1.13	-
2437MHz	Pass	AV	7.311G	48.32	54.00	-5.68	12.52	3	V	327	2.18	-
2437MHz	Pass	PK	4.874G	48.55	74.00	-25.45	6.53	3	V	223	1.13	-
2437MHz	Pass	PK	7.311G	57.22	74.00	-16.78	12.52	3	V	327	2.18	-
2462MHz	Pass	AV	2.4638G	113.50	Inf	-Inf	31.62	3	H	213	1.03	-
2462MHz	Pass	AV	2.4884G	50.59	54.00	-3.41	31.70	3	H	213	1.03	-
2462MHz	Pass	AV	4.924G	43.79	54.00	-10.21	6.65	3	H	222	2.29	-
2462MHz	Pass	AV	7.386G	50.90	54.00	-3.10	12.70	3	H	231	1.06	-
2462MHz	Pass	PK	2.4636G	116.97	Inf	-Inf	31.62	3	H	213	1.03	-
2462MHz	Pass	PK	2.4874G	69.04	74.00	-4.96	31.70	3	H	213	1.03	-
2462MHz	Pass	PK	4.924G	50.00	74.00	-24.00	6.65	3	H	222	2.29	-
2462MHz	Pass	PK	7.386G	60.02	74.00	-13.98	12.70	3	H	231	1.06	-
2462MHz	Pass	AV	2.4638G	109.88	Inf	-Inf	31.62	3	V	273	3.51	-
2462MHz	Pass	AV	2.483502G	50.86	54.00	-3.14	31.69	3	V	273	3.51	-
2462MHz	Pass	AV	4.924G	43.06	54.00	-10.94	6.65	3	V	181	2.03	-
2462MHz	Pass	AV	7.386G	50.49	54.00	-3.51	12.70	3	V	219	1.24	-
2462MHz	Pass	PK	2.4634G	113.39	Inf	-Inf	31.62	3	V	273	3.51	-
2462MHz	Pass	PK	2.4876G	67.74	74.00	-6.26	31.70	3	V	273	3.51	-
2462MHz	Pass	PK	4.924G	49.15	74.00	-24.85	6.65	3	V	181	2.03	-

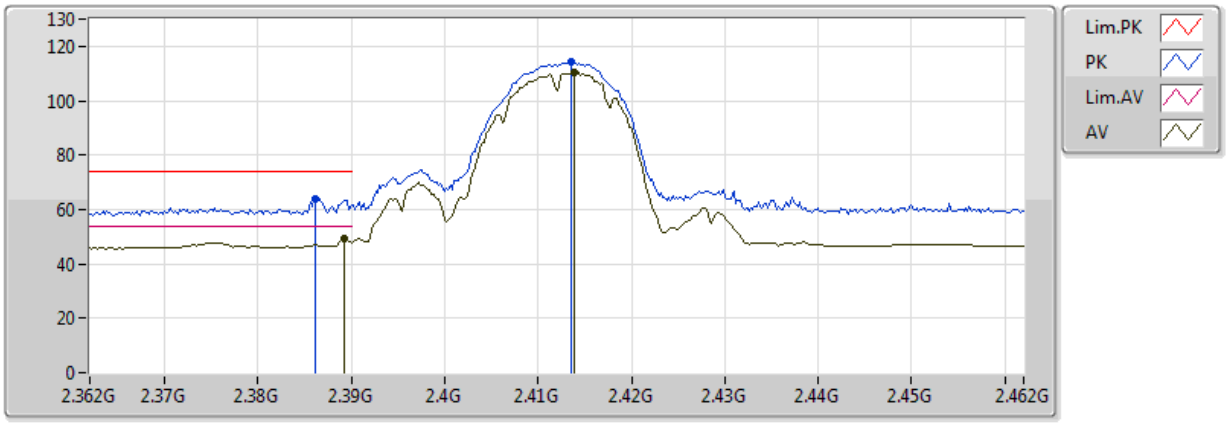
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	7.386G	59.11	74.00	-14.89	12.70	3	V	219	1.24	-
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	50.66	54.00	-3.34	31.39	3	H	216	1.01	-
2412MHz	Pass	AV	2.4168G	102.10	Inf	-Inf	31.47	3	H	216	1.01	-
2412MHz	Pass	AV	4.824G	32.30	54.00	-21.70	6.42	3	H	173	1.50	-
2412MHz	Pass	PK	2.3868G	70.18	74.00	-3.82	31.38	3	H	216	1.01	-
2412MHz	Pass	PK	2.4164G	112.76	Inf	-Inf	31.47	3	H	216	1.01	-
2412MHz	Pass	PK	4.824G	46.72	74.00	-27.28	6.42	3	H	173	1.50	-
2412MHz	Pass	AV	2.39G	48.83	54.00	-5.17	31.39	3	V	279	3.69	-
2412MHz	Pass	AV	2.4066G	99.34	Inf	-Inf	31.44	3	V	279	3.69	-
2412MHz	Pass	AV	4.824G	32.53	54.00	-21.47	6.42	3	V	109	1.50	-
2412MHz	Pass	PK	2.3894G	66.79	74.00	-7.21	31.39	3	V	279	3.69	-
2412MHz	Pass	PK	2.4066G	111.08	Inf	-Inf	31.44	3	V	279	3.69	-
2412MHz	Pass	PK	4.824G	46.19	74.00	-27.81	6.42	3	V	109	1.50	-
2437MHz	Pass	AV	2.389998G	51.56	54.00	-2.44	31.39	3	H	170	1.01	-
2437MHz	Pass	AV	2.4306G	109.18	Inf	-Inf	31.52	3	H	170	1.01	-
2437MHz	Pass	AV	2.483502G	52.02	54.00	-1.98	31.69	3	H	170	1.01	-
2437MHz	Pass	AV	4.874G	35.43	54.00	-18.57	6.53	3	H	196	1.75	-
2437MHz	Pass	AV	7.311G	50.95	54.00	-3.05	12.52	3	H	224	1.03	-
2437MHz	Pass	PK	2.3886G	66.79	74.00	-7.21	31.38	3	H	170	1.01	-
2437MHz	Pass	PK	2.4402G	119.87	Inf	-Inf	31.55	3	H	170	1.01	-
2437MHz	Pass	PK	2.4842G	71.05	74.00	-2.95	31.69	3	H	170	1.01	-
2437MHz	Pass	PK	4.874G	50.03	74.00	-23.97	6.53	3	H	196	1.75	-
2437MHz	Pass	PK	7.311G	67.22	74.00	-6.78	12.52	3	H	224	1.03	-
2437MHz	Pass	AV	2.389G	46.61	54.00	-7.39	31.39	3	V	131	3.22	-
2437MHz	Pass	AV	2.4434G	103.51	Inf	-Inf	31.56	3	V	131	3.22	-
2437MHz	Pass	AV	2.483502G	47.72	54.00	-6.28	31.69	3	V	131	3.22	-
2437MHz	Pass	AV	4.874G	35.13	54.00	-18.87	6.53	3	V	210	1.50	-
2437MHz	Pass	AV	7.311G	50.25	54.00	-3.75	12.52	3	V	327	2.00	-
2437MHz	Pass	PK	2.3886G	60.65	74.00	-13.35	31.38	3	V	131	3.22	-
2437MHz	Pass	PK	2.4434G	113.12	Inf	-Inf	31.56	3	V	131	3.22	-
2437MHz	Pass	PK	2.4838G	59.91	74.00	-14.09	31.69	3	V	131	3.22	-
2437MHz	Pass	PK	4.874G	49.63	74.00	-24.37	6.53	3	V	210	1.50	-
2437MHz	Pass	PK	7.311G	66.77	74.00	-7.23	12.52	3	V	327	2.00	-
2462MHz	Pass	AV	2.459G	103.16	Inf	-Inf	31.61	3	H	279	1.50	-
2462MHz	Pass	AV	2.4836G	52.82	54.00	-1.18	31.69	3	H	279	1.50	-
2462MHz	Pass	PK	2.4648G	114.23	Inf	-Inf	31.63	3	H	279	1.50	-
2462MHz	Pass	PK	2.4836G	72.68	74.00	-1.32	31.69	3	H	279	1.50	-
2462MHz	Pass	AV	2.4682G	100.49	Inf	-Inf	31.64	3	V	269	3.49	-
2462MHz	Pass	AV	2.483502G	52.07	54.00	-1.93	31.69	3	V	269	3.49	-
2462MHz	Pass	PK	2.4682G	111.27	Inf	-Inf	31.64	3	V	269	3.49	-
2462MHz	Pass	PK	2.4836G	73.41	74.00	-0.59	31.69	3	V	269	3.49	-
2462MHz	Pass	AV	7.386G	43.07	54.00	-10.93	12.70	3	H	229	1.00	-
2462MHz	Pass	PK	7.386G	59.54	74.00	-14.46	12.70	3	H	229	1.09	-
2462MHz	Pass	AV	7.386G	41.80	54.00	-12.20	12.70	3	V	216	1.80	-
2462MHz	Pass	PK	7.386G	58.80	74.00	-15.20	12.70	3	V	216	1.80	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.07	54.00	-1.93	31.39	3	H	171	1.50	-
2412MHz	Pass	AV	2.4172G	102.88	Inf	-Inf	31.48	3	H	171	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.824G	32.58	54.00	-21.42	6.42	3	H	296	1.50	-
2412MHz	Pass	PK	2.3894G	69.78	74.00	-4.22	31.39	3	H	171	1.50	-
2412MHz	Pass	PK	2.418G	113.62	Inf	-Inf	31.48	3	H	171	1.50	-
2412MHz	Pass	PK	4.824G	47.12	74.00	-26.88	6.42	3	H	296	1.50	-
2412MHz	Pass	AV	2.39G	50.35	54.00	-3.65	31.39	3	V	131	3.69	-
2412MHz	Pass	AV	2.4094G	98.05	Inf	-Inf	31.45	3	V	131	3.69	-
2412MHz	Pass	AV	4.824G	32.31	54.00	-21.69	6.42	3	V	182	1.50	-
2412MHz	Pass	PK	2.3896G	69.28	74.00	-4.72	31.39	3	V	131	3.69	-
2412MHz	Pass	PK	2.4092G	108.95	Inf	-Inf	31.45	3	V	131	3.69	-
2412MHz	Pass	PK	4.824G	46.64	74.00	-27.36	6.42	3	V	182	1.50	-
2437MHz	Pass	AV	2.3894G	48.89	54.00	-5.11	31.39	3	H	171	1.00	-
2437MHz	Pass	AV	2.4414G	107.53	Inf	-Inf	31.55	3	H	171	1.00	-
2437MHz	Pass	AV	2.483502G	50.85	54.00	-3.15	31.69	3	H	171	1.00	-
2437MHz	Pass	AV	7.311G	50.52	54.00	-3.48	12.52	3	H	225	1.00	-
2437MHz	Pass	PK	2.389G	67.43	74.00	-6.57	31.39	3	H	171	1.00	-
2437MHz	Pass	PK	2.4402G	118.02	Inf	-Inf	31.55	3	H	171	1.00	-
2437MHz	Pass	PK	2.4838G	69.16	74.00	-4.84	31.69	3	H	171	1.00	-
2437MHz	Pass	PK	7.311G	66.72	74.00	-7.28	12.52	3	H	225	1.00	-
2437MHz	Pass	AV	2.3894G	46.53	54.00	-7.47	31.39	3	V	143	3.32	-
2437MHz	Pass	AV	2.4438G	101.66	Inf	-Inf	31.56	3	V	143	3.32	-
2437MHz	Pass	AV	2.483502G	47.79	54.00	-6.21	31.69	3	V	143	3.32	-
2437MHz	Pass	AV	7.311G	50.71	54.00	-3.29	12.52	3	V	329	2.19	-
2437MHz	Pass	PK	2.3574G	59.55	74.00	-14.45	31.29	3	V	143	3.32	-
2437MHz	Pass	PK	2.4434G	111.70	Inf	-Inf	31.56	3	V	143	3.32	-
2437MHz	Pass	PK	2.4846G	61.78	74.00	-12.22	31.69	3	V	143	3.32	-
2437MHz	Pass	PK	7.311G	67.89	74.00	-6.11	12.52	3	V	329	2.19	-
2462MHz	Pass	AV	2.4614G	101.37	Inf	-Inf	31.62	3	H	214	1.01	-
2462MHz	Pass	AV	2.483502G	52.88	54.00	-1.12	31.69	3	H	214	1.01	-
2462MHz	Pass	AV	7.386G	40.82	54.00	-13.18	12.70	3	H	224	1.99	-
2462MHz	Pass	PK	2.462G	112.29	Inf	-Inf	31.62	3	H	214	1.01	-
2462MHz	Pass	PK	2.485G	71.02	74.00	-2.98	31.69	3	H	214	1.01	-
2462MHz	Pass	PK	7.386G	58.00	74.00	-16.00	12.70	3	H	224	1.99	-
2462MHz	Pass	AV	2.4568G	98.95	Inf	-Inf	31.60	3	V	268	3.51	-
2462MHz	Pass	AV	2.483502G	49.97	54.00	-4.03	31.69	3	V	268	3.51	-
2462MHz	Pass	AV	7.386G	39.93	54.00	-14.07	12.70	3	V	217	1.76	-
2462MHz	Pass	PK	2.456G	109.56	Inf	-Inf	31.60	3	V	268	3.51	-
2462MHz	Pass	PK	2.483502G	66.29	74.00	-7.71	31.69	3	V	268	3.51	-
2462MHz	Pass	PK	7.386G	55.02	74.00	-18.98	12.70	3	V	217	1.76	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.90	54.00	-1.10	31.39	3	H	216	1.06	-
2422MHz	Pass	AV	2.4308G	95.55	Inf	-Inf	31.52	3	H	216	1.06	-
2422MHz	Pass	AV	2.488G	47.61	54.00	-6.39	31.70	3	H	216	1.06	-
2422MHz	Pass	AV	4.844G	32.41	54.00	-21.59	6.46	3	H	176	1.50	-
2422MHz	Pass	PK	2.3896G	70.65	74.00	-3.35	31.39	3	H	216	1.06	-
2422MHz	Pass	PK	2.4124G	107.21	Inf	-Inf	31.46	3	H	216	1.06	-
2422MHz	Pass	PK	2.488G	60.81	74.00	-13.19	31.70	3	H	216	1.06	-
2422MHz	Pass	PK	4.844G	46.32	74.00	-27.68	6.46	3	H	176	1.50	-
2422MHz	Pass	AV	2.39G	49.94	54.00	-4.06	31.39	3	V	131	3.69	-
2422MHz	Pass	AV	2.428G	92.13	Inf	-Inf	31.51	3	V	131	3.69	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2422MHz	Pass	AV	2.4992G	47.13	54.00	-6.87	31.74	3	V	131	3.69	-
2422MHz	Pass	AV	4.844G	32.12	54.00	-21.88	6.46	3	V	67	1.50	-
2422MHz	Pass	PK	2.3888G	66.27	74.00	-7.73	31.39	3	V	131	3.69	-
2422MHz	Pass	PK	2.43G	103.53	Inf	-Inf	31.52	3	V	131	3.69	-
2422MHz	Pass	PK	2.4996G	60.64	74.00	-13.36	31.74	3	V	131	3.69	-
2422MHz	Pass	PK	4.844G	45.98	74.00	-28.02	6.46	3	V	67	1.50	-
2437MHz	Pass	AV	2.389998G	50.93	54.00	-3.07	31.39	3	H	215	1.49	-
2437MHz	Pass	AV	2.4462G	99.11	Inf	-Inf	31.57	3	H	215	1.49	-
2437MHz	Pass	AV	2.483502G	49.65	54.00	-4.35	31.69	3	H	215	1.49	-
2437MHz	Pass	AV	4.874G	32.63	54.00	-21.37	6.53	3	H	230	1.50	-
2437MHz	Pass	PK	2.389998G	67.93	74.00	-6.07	31.39	3	H	215	1.49	-
2437MHz	Pass	PK	2.4466G	109.79	Inf	-Inf	31.57	3	H	215	1.49	-
2437MHz	Pass	PK	2.487G	63.50	74.00	-10.50	31.70	3	H	215	1.49	-
2437MHz	Pass	PK	4.874G	46.82	74.00	-27.18	6.53	3	H	230	1.50	-
2437MHz	Pass	AV	2.3882G	47.13	54.00	-6.87	31.38	3	V	275	3.60	-
2437MHz	Pass	AV	2.4246G	94.82	Inf	-Inf	31.50	3	V	275	3.60	-
2437MHz	Pass	AV	2.483502G	48.00	54.00	-6.00	31.69	3	V	275	3.60	-
2437MHz	Pass	AV	4.874G	32.28	54.00	-21.72	6.53	3	V	100	1.50	-
2437MHz	Pass	PK	2.3846G	64.17	74.00	-9.83	31.37	3	V	275	3.60	-
2437MHz	Pass	PK	2.4442G	106.34	Inf	-Inf	31.56	3	V	275	3.60	-
2437MHz	Pass	PK	2.4846G	63.83	74.00	-10.17	31.69	3	V	275	3.60	-
2437MHz	Pass	PK	4.874G	46.33	74.00	-27.67	6.53	3	V	100	1.50	-
2452MHz	Pass	AV	2.36G	46.61	54.00	-7.39	31.30	3	H	172	1.61	-
2452MHz	Pass	AV	2.4656G	96.80	Inf	-Inf	31.63	3	H	172	1.61	-
2452MHz	Pass	AV	2.4836G	52.92	54.00	-1.08	31.69	3	H	172	1.61	-
2452MHz	Pass	AV	4.904G	32.82	54.00	-21.18	6.60	3	H	145	1.50	-
2452MHz	Pass	PK	2.3828G	59.38	74.00	-14.62	31.37	3	H	172	1.61	-
2452MHz	Pass	PK	2.466G	108.24	Inf	-Inf	31.63	3	H	172	1.61	-
2452MHz	Pass	PK	2.484G	67.92	74.00	-6.08	31.69	3	H	172	1.61	-
2452MHz	Pass	PK	4.904G	47.60	74.00	-26.40	6.60	3	H	145	1.50	-
2452MHz	Pass	AV	2.39G	45.74	54.00	-8.26	31.39	3	V	294	3.69	-
2452MHz	Pass	AV	2.4436G	89.72	Inf	-Inf	31.56	3	V	294	3.69	-
2452MHz	Pass	AV	2.4836G	48.49	54.00	-5.51	31.69	3	V	294	3.69	-
2452MHz	Pass	AV	4.904G	32.26	54.00	-21.74	6.60	3	V	238	1.50	-
2452MHz	Pass	PK	2.3668G	58.61	74.00	-15.39	31.32	3	V	294	3.69	-
2452MHz	Pass	PK	2.4428G	100.52	Inf	-Inf	31.56	3	V	294	3.69	-
2452MHz	Pass	PK	2.4836G	63.94	74.00	-10.06	31.69	3	V	294	3.69	-
2452MHz	Pass	PK	4.904G	46.82	74.00	-27.18	6.60	3	V	238	1.50	-

802.11b_(1Mbps)_2TX

2412MHz_TX

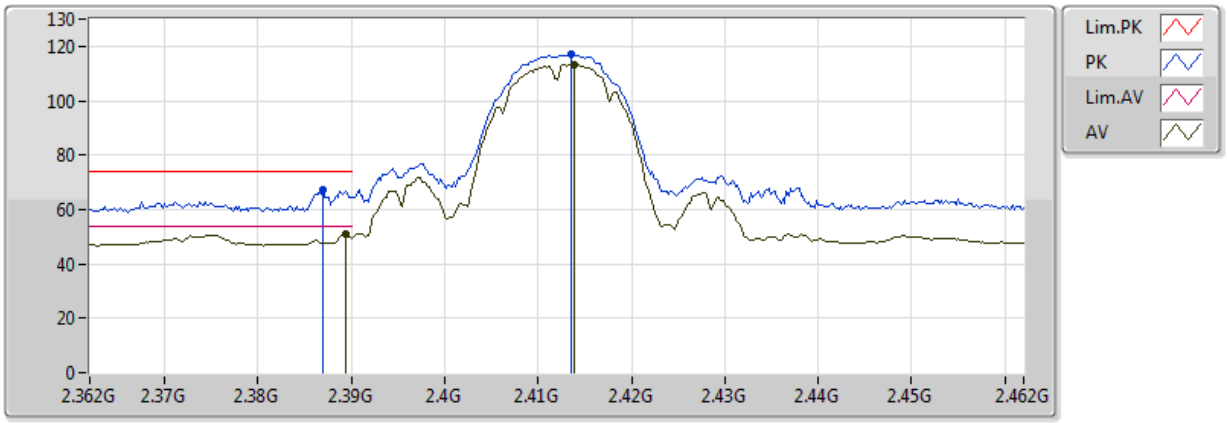


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	49.15	54.00	-4.85	31.39	3	V	278	3.69	-
AV	2.4138G	110.47	Inf	-Inf	31.46	3	V	278	3.69	-
PK	2.3862G	63.93	74.00	-10.07	31.38	3	V	278	3.69	-
PK	2.4136G	114.05	Inf	-Inf	31.46	3	V	278	3.69	-

802.11b_(1Mbps)_2TX

2412MHz_TX



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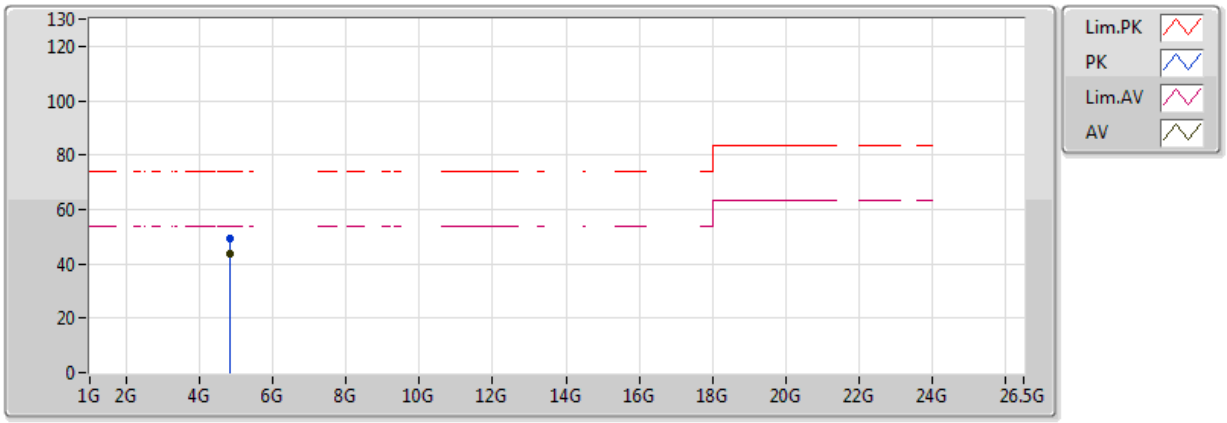
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	50.95	54.00	-3.05	31.39	3	H	216	1.00	-
AV	2.4138G	113.46	Inf	-Inf	31.46	3	H	216	1.00	-
PK	2.387G	67.47	74.00	-6.53	31.38	3	H	216	1.00	-
PK	2.4136G	117.03	Inf	-Inf	31.46	3	H	216	1.00	-

802.11b_(1Mbps)_2TX

2412MHz_TX



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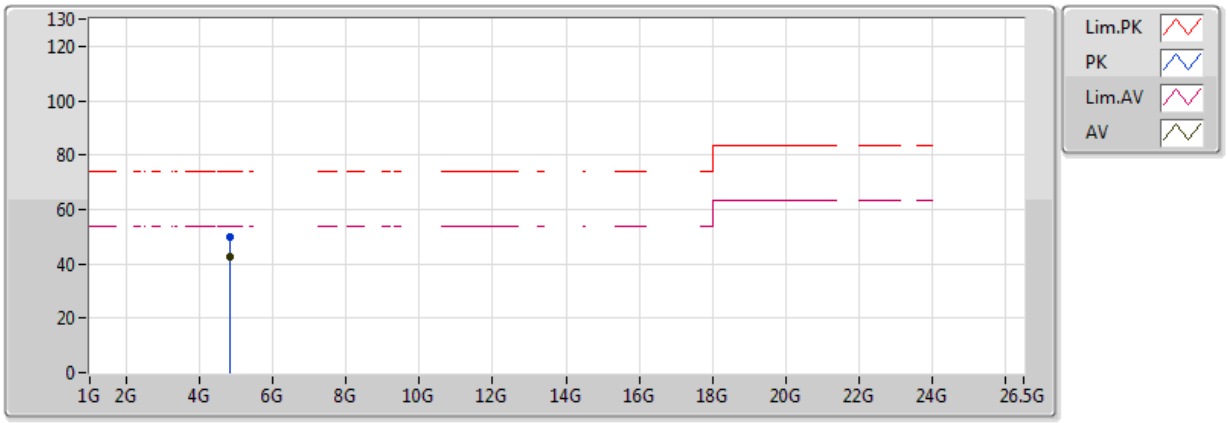
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	43.50	54.00	-10.50	6.42	3	V	226	1.10	-
PK	4.824G	49.42	74.00	-24.58	6.42	3	V	226	1.10	-

802.11b_(1Mbps)_2TX

2412MHz_TX



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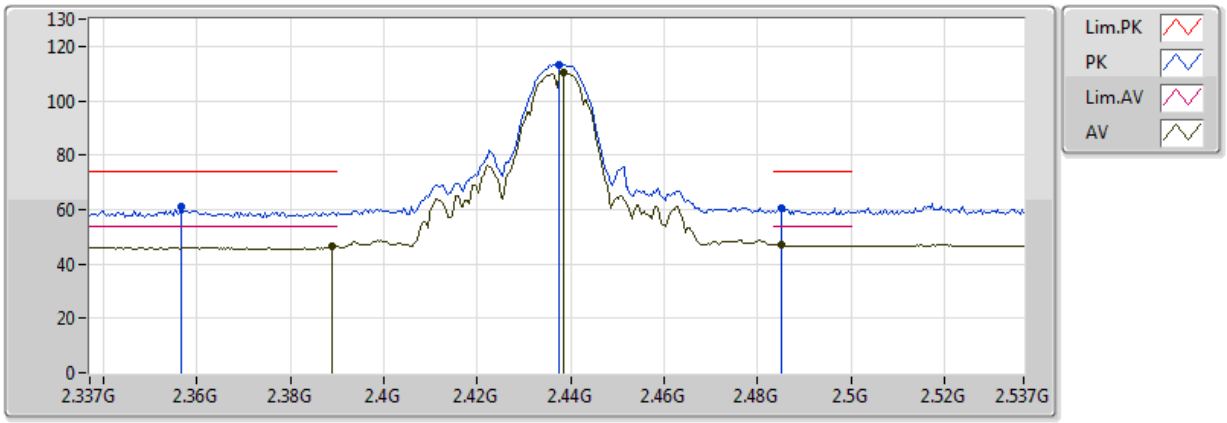
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	42.82	54.00	-11.18	6.42	3	H	206	1.01	-
PK	4.824G	49.62	74.00	-24.38	6.42	3	H	206	1.01	-

802.11b_(1Mbps)_2TX

2437MHz_TX



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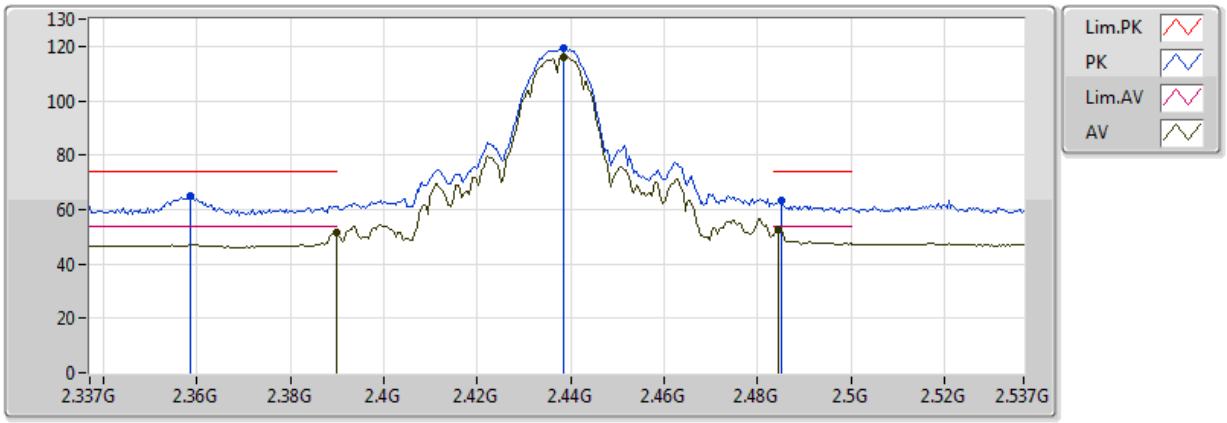
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	46.56	54.00	-7.44	31.39	3	V	93	3.69	-
AV	2.485G	47.30	54.00	-6.70	31.69	3	V	93	3.69	-
AV	2.4386G	110.53	Inf	-Inf	31.54	3	V	93	3.69	-
PK	2.3566G	61.01	74.00	-12.99	31.29	3	V	93	3.69	-
PK	2.485G	60.76	74.00	-13.24	31.69	3	V	93	3.69	-
PK	2.4374G	113.37	Inf	-Inf	31.54	3	V	93	3.69	-

802.11b_(1Mbps)_2TX

2437MHz_TX



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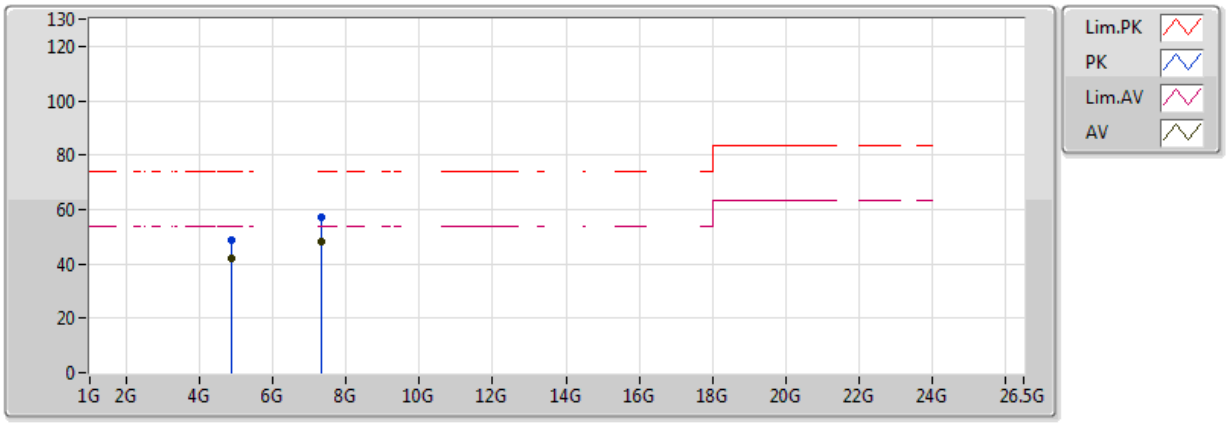
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.34	54.00	-2.66	31.39	3	H	180	3.09	-
AV	2.4846G	52.43	54.00	-1.57	31.69	3	H	180	3.09	-
AV	2.4386G	116.15	Inf	-Inf	31.54	3	H	180	3.09	-
PK	2.3586G	64.89	74.00	-9.11	31.29	3	H	180	3.09	-
PK	2.485G	63.46	74.00	-10.54	31.69	3	H	180	3.09	-
PK	2.4386G	119.17	Inf	-Inf	31.54	3	H	180	3.09	-

802.11b_(1Mbps)_2TX

2437MHz_TX



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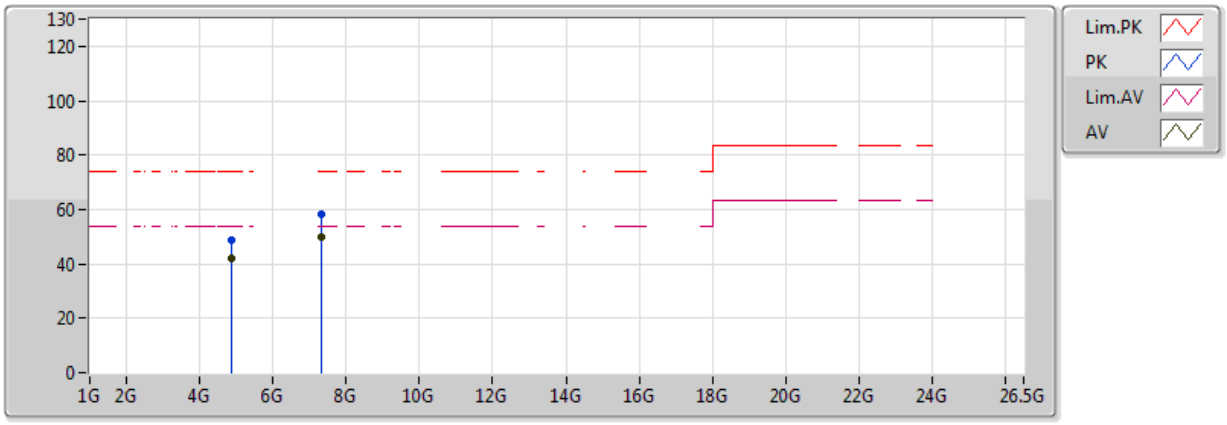
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	41.88	54.00	-12.12	6.53	3	V	223	1.13	-
AV	7.311G	48.32	54.00	-5.68	12.52	3	V	327	2.18	-
PK	4.874G	48.55	74.00	-25.45	6.53	3	V	223	1.13	-
PK	7.311G	57.22	74.00	-16.78	12.52	3	V	327	2.18	-

802.11b_(1Mbps)_2TX

2437MHz_TX



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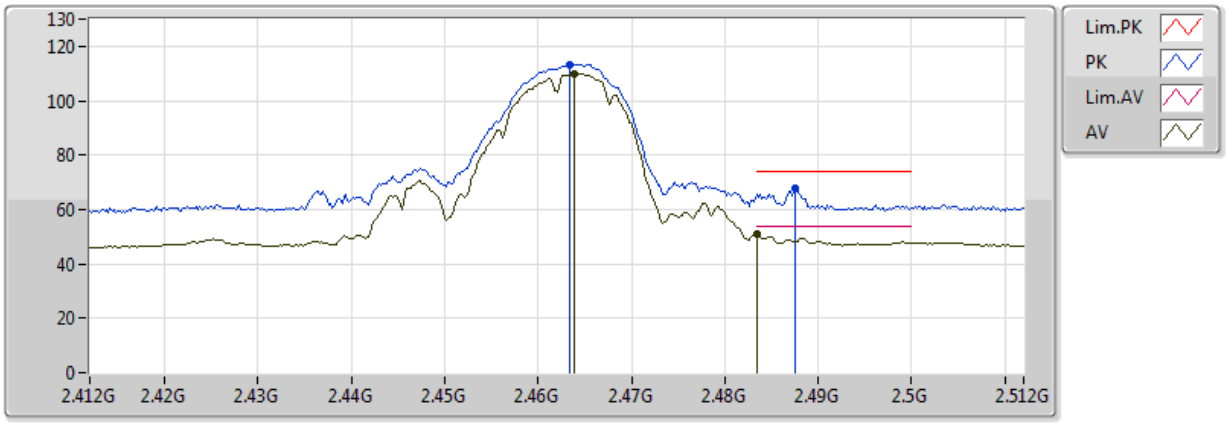
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	42.03	54.00	-11.97	6.53	3	H	205	1.09	-
AV	7.311G	50.12	54.00	-3.88	12.52	3	H	231	1.02	-
PK	4.874G	48.77	74.00	-25.23	6.53	3	H	205	1.09	-
PK	7.311G	58.02	74.00	-15.98	12.52	3	H	231	1.02	-

802.11b_(1Mbps)_2TX

2462MHz_TX



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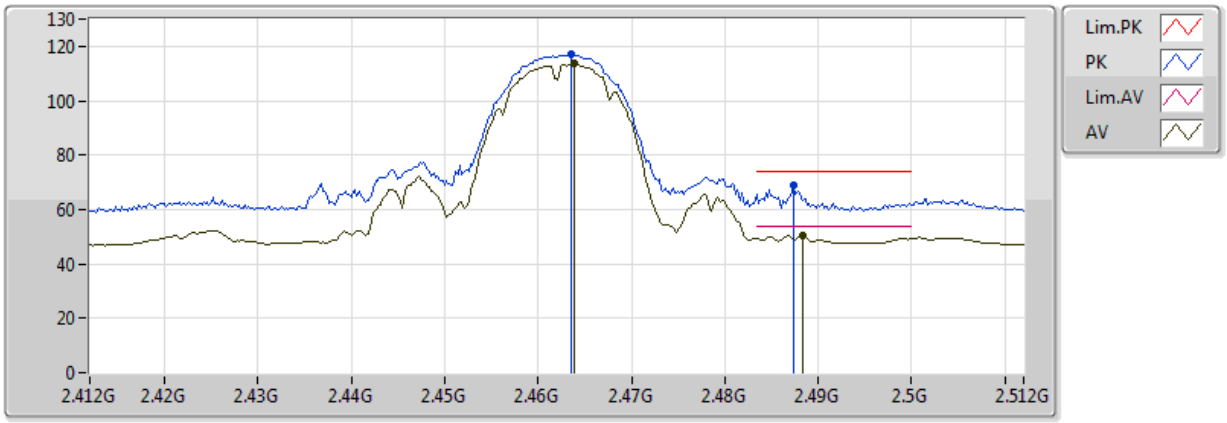
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.483502G	50.86	54.00	-3.14	31.69	3	V	273	3.51	-
AV	2.4638G	109.88	Inf	-Inf	31.62	3	V	273	3.51	-
PK	2.4876G	67.74	74.00	-6.26	31.70	3	V	273	3.51	-
PK	2.4634G	113.39	Inf	-Inf	31.62	3	V	273	3.51	-

802.11b_(1Mbps)_2TX

2462MHz_TX



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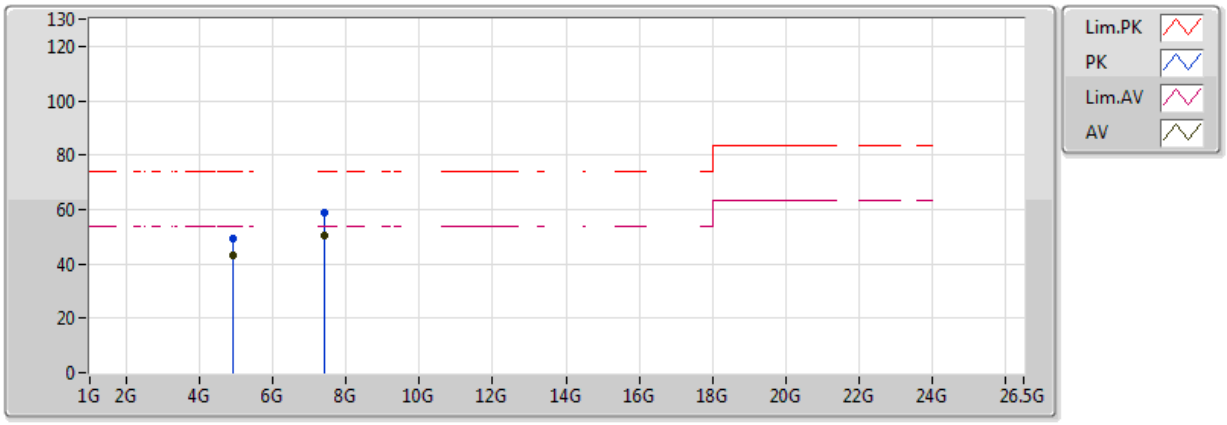
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4884G	50.59	54.00	-3.41	31.70	3	H	213	1.03	-
AV	2.4638G	113.50	Inf	-Inf	31.62	3	H	213	1.03	-
PK	2.4874G	69.04	74.00	-4.96	31.70	3	H	213	1.03	-
PK	2.4636G	116.97	Inf	-Inf	31.62	3	H	213	1.03	-

802.11b_(1Mbps)_2TX

2462MHz_TX



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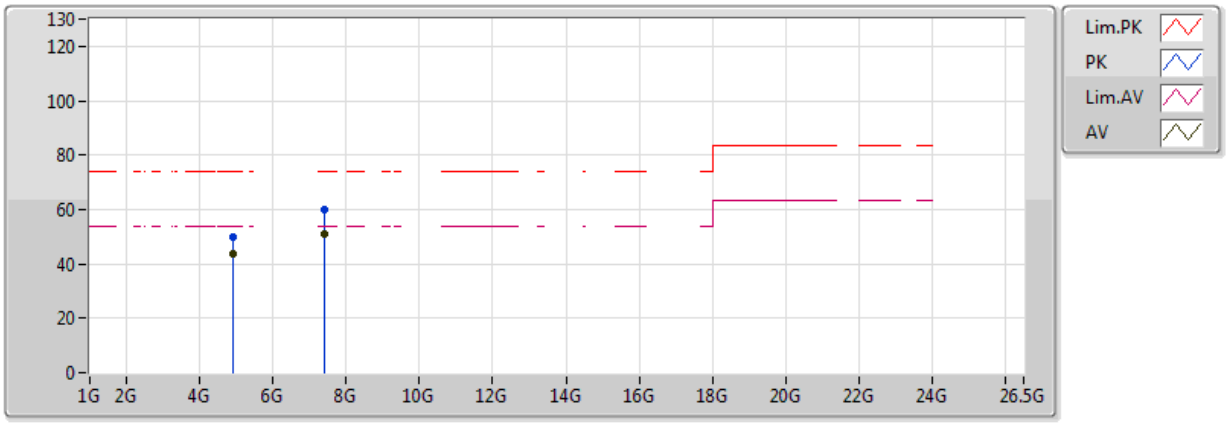
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	43.06	54.00	-10.94	6.65	3	V	181	2.03	-
AV	7.386G	50.49	54.00	-3.51	12.70	3	V	219	1.24	-
PK	4.924G	49.15	74.00	-24.85	6.65	3	V	181	2.03	-
PK	7.386G	59.11	74.00	-14.89	12.70	3	V	219	1.24	-

802.11b_(1Mbps)_2TX

2462MHz_TX

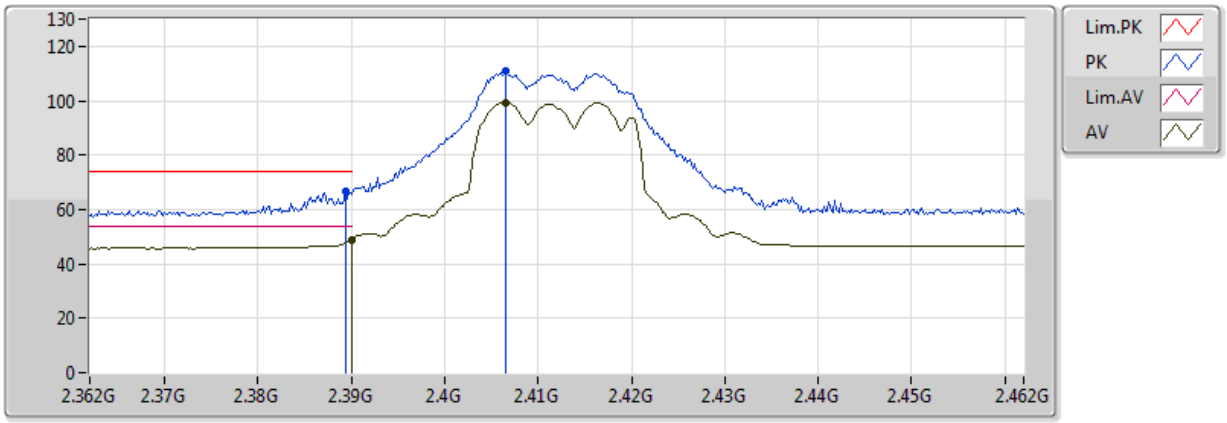


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	43.79	54.00	-10.21	6.65	3	H	222	2.29	-
AV	7.386G	50.90	54.00	-3.10	12.70	3	H	231	1.06	-
PK	4.924G	50.00	74.00	-24.00	6.65	3	H	222	2.29	-
PK	7.386G	60.02	74.00	-13.98	12.70	3	H	231	1.06	-

802.11g_(6Mbps)_2TX

2412MHz_TX



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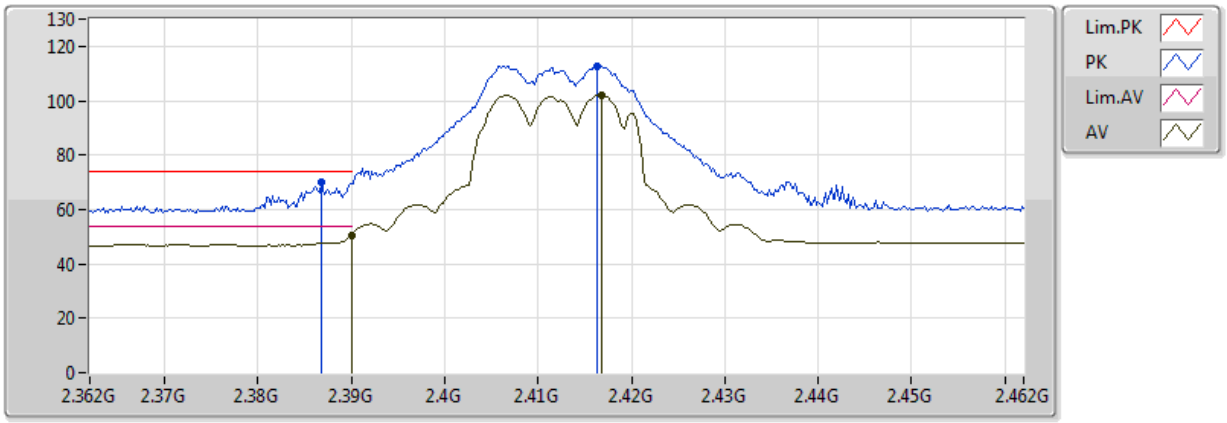
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	48.83	54.00	-5.17	31.39	3	V	279	3.69	-
AV	2.4066G	99.34	Inf	-Inf	31.44	3	V	279	3.69	-
PK	2.3894G	66.79	74.00	-7.21	31.39	3	V	279	3.69	-
PK	2.4066G	111.08	Inf	-Inf	31.44	3	V	279	3.69	-

802.11g_(6Mbps)_2TX

2412MHz_TX



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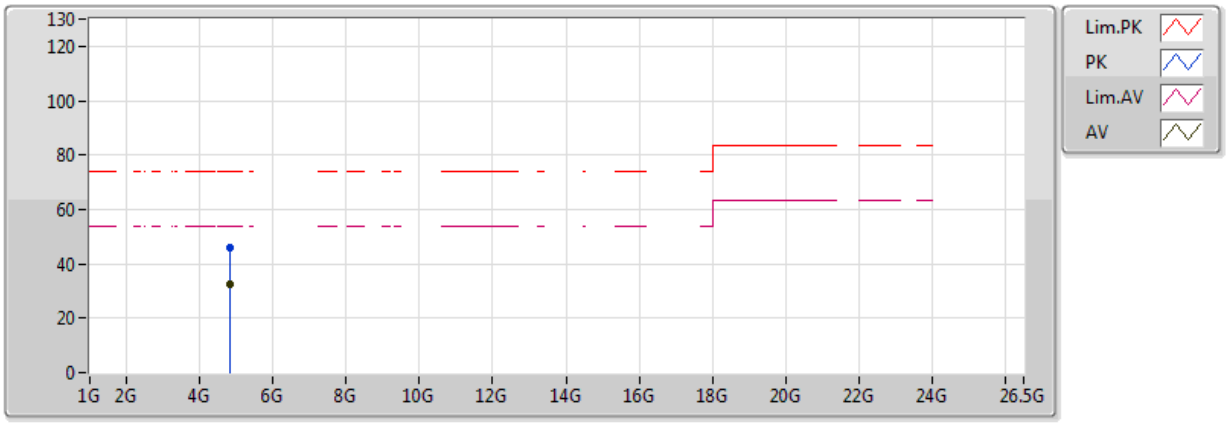
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.66	54.00	-3.34	31.39	3	H	216	1.01	-
AV	2.4168G	102.10	Inf	-Inf	31.47	3	H	216	1.01	-
PK	2.3868G	70.18	74.00	-3.82	31.38	3	H	216	1.01	-
PK	2.4164G	112.76	Inf	-Inf	31.47	3	H	216	1.01	-

802.11g_(6Mbps)_2TX

2412MHz_TX



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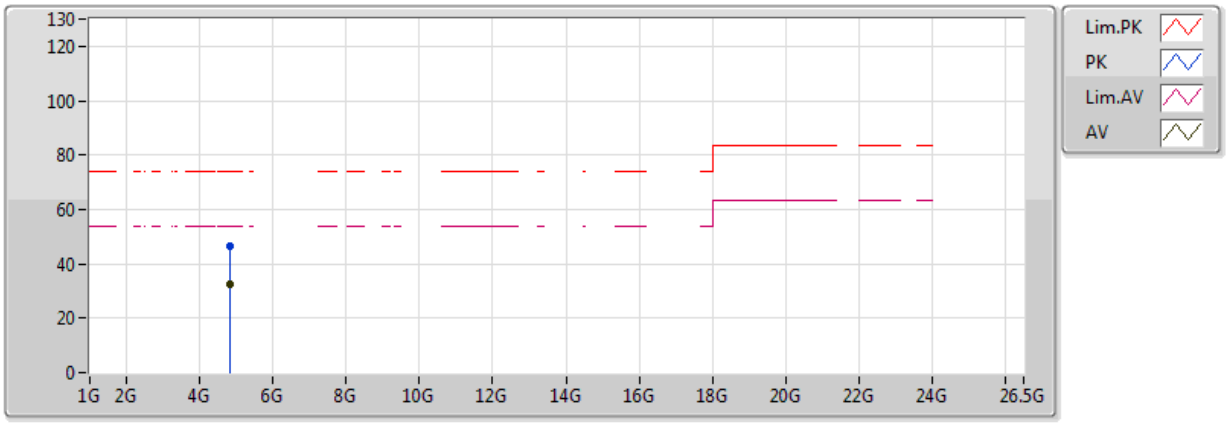
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	32.53	54.00	-21.47	6.42	3	V	109	1.50	-
PK	4.824G	46.19	74.00	-27.81	6.42	3	V	109	1.50	-

802.11g_(6Mbps)_2TX

2412MHz_TX



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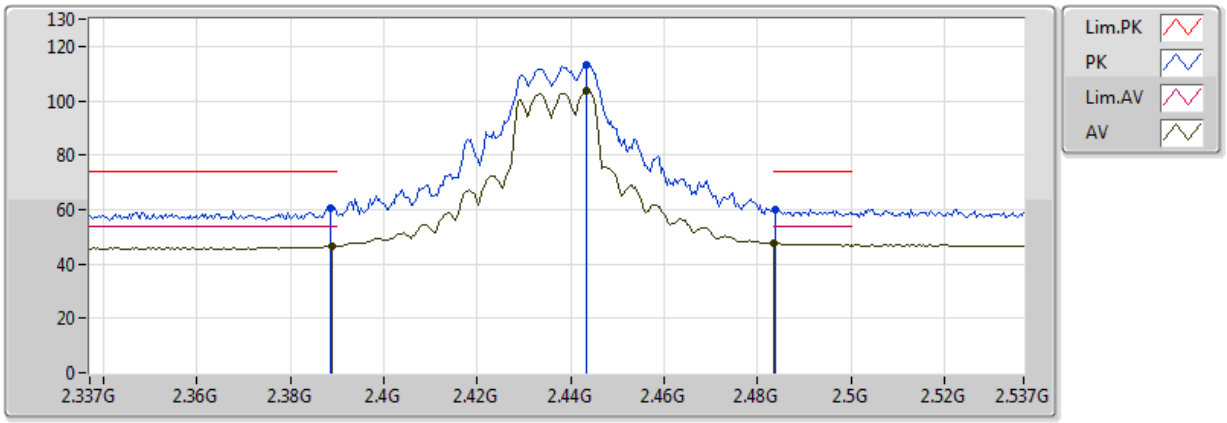
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	32.30	54.00	-21.70	6.42	3	H	173	1.50	-
PK	4.824G	46.72	74.00	-27.28	6.42	3	H	173	1.50	-

802.11g_(6Mbps)_2TX

2437MHz_TX



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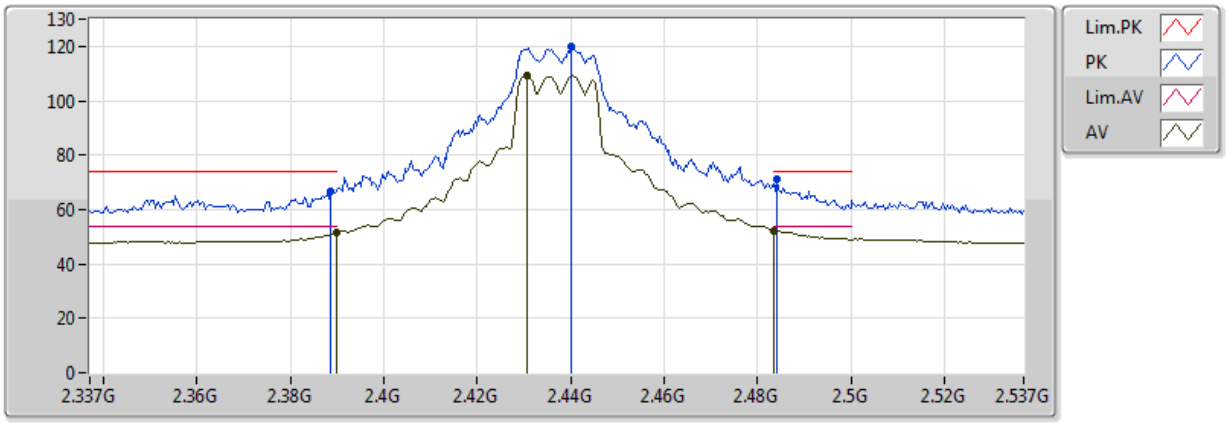
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	46.61	54.00	-7.39	31.39	3	V	131	3.22	-
AV	2.483502G	47.72	54.00	-6.28	31.69	3	V	131	3.22	-
AV	2.4434G	103.51	Inf	-Inf	31.56	3	V	131	3.22	-
PK	2.3886G	60.65	74.00	-13.35	31.38	3	V	131	3.22	-
PK	2.4838G	59.91	74.00	-14.09	31.69	3	V	131	3.22	-
PK	2.4434G	113.12	Inf	-Inf	31.56	3	V	131	3.22	-

802.11g_(6Mbps)_2TX

2437MHz_TX



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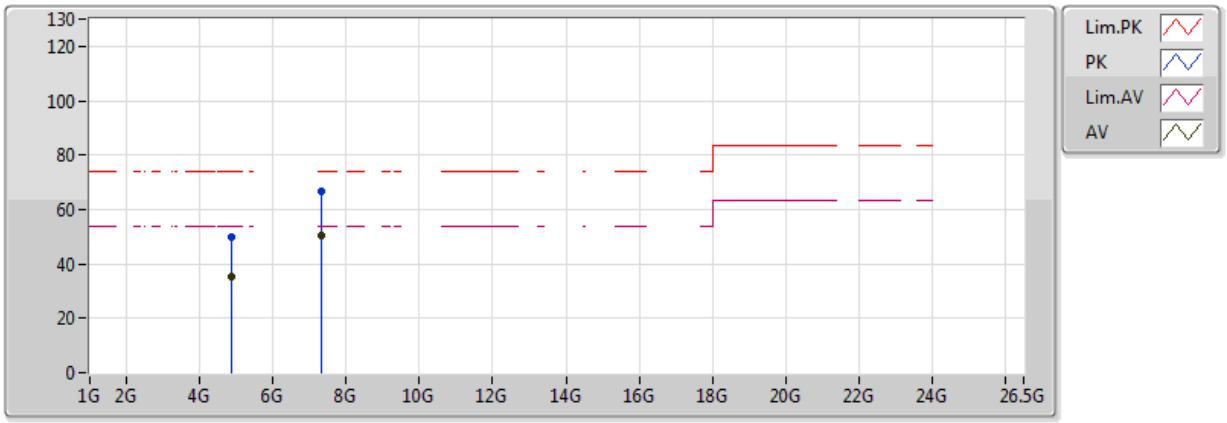
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	51.56	54.00	-2.44	31.39	3	H	170	1.01	-
AV	2.483502G	52.02	54.00	-1.98	31.69	3	H	170	1.01	-
AV	2.4306G	109.18	Inf	-Inf	31.52	3	H	170	1.01	-
PK	2.3886G	66.79	74.00	-7.21	31.38	3	H	170	1.01	-
PK	2.4842G	71.05	74.00	-2.95	31.69	3	H	170	1.01	-
PK	2.4402G	119.87	Inf	-Inf	31.55	3	H	170	1.01	-

802.11g_(6Mbps)_2TX

2437MHz_TX



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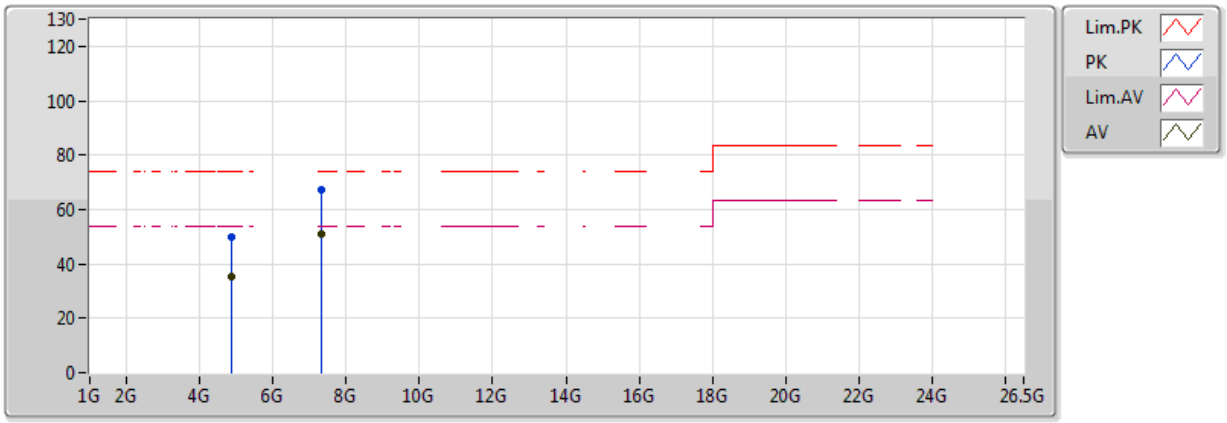
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	35.13	54.00	-18.87	6.53	3	V	210	1.50	-
AV	7.311G	50.25	54.00	-3.75	12.52	3	V	327	2.00	-
PK	4.874G	49.63	74.00	-24.37	6.53	3	V	210	1.50	-
PK	7.311G	66.77	74.00	-7.23	12.52	3	V	327	2.00	-

802.11g_(6Mbps)_2TX

2437MHz_TX



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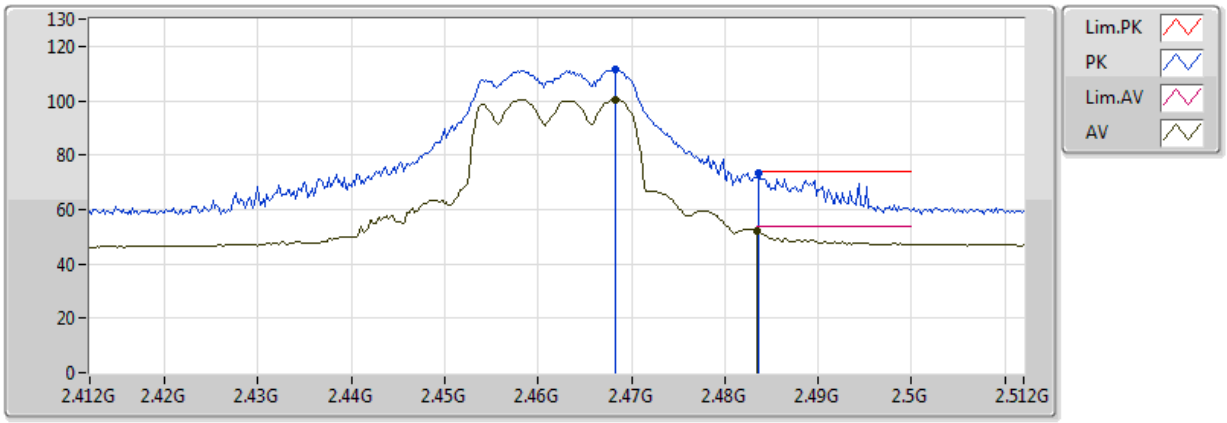
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	35.43	54.00	-18.57	6.53	3	H	196	1.75	-
AV	7.311G	50.95	54.00	-3.05	12.52	3	H	224	1.03	-
PK	4.874G	50.03	74.00	-23.97	6.53	3	H	196	1.75	-
PK	7.311G	67.22	74.00	-6.78	12.52	3	H	224	1.03	-

802.11g_(6Mbps)_2TX

2462MHz_TX



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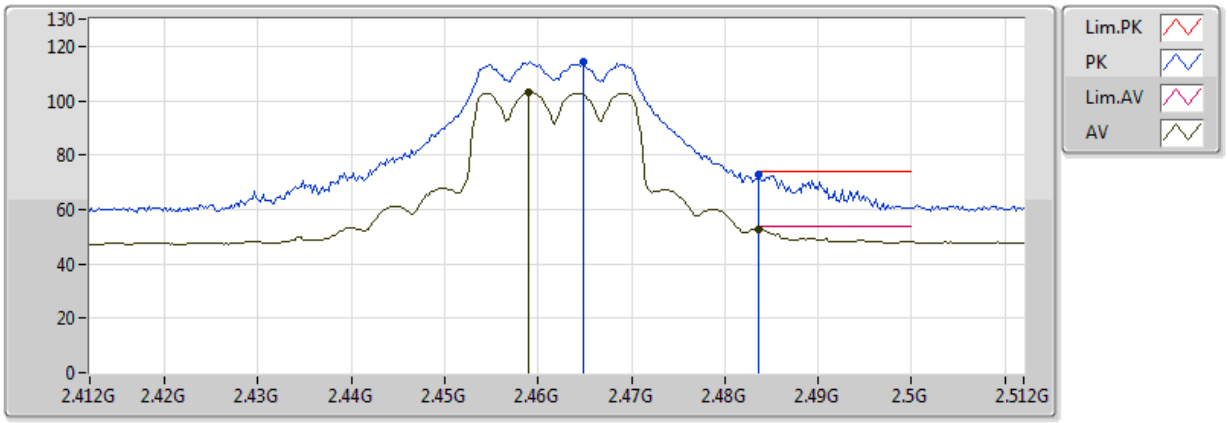
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.483502G	52.07	54.00	-1.93	31.69	3	V	269	3.49	-
AV	2.4682G	100.49	Inf	-Inf	31.64	3	V	269	3.49	-
PK	2.4836G	73.41	74.00	-0.59	31.69	3	V	269	3.49	-
PK	2.4682G	111.27	Inf	-Inf	31.64	3	V	269	3.49	-

802.11g_(6Mbps)_2TX

2462MHz_TX



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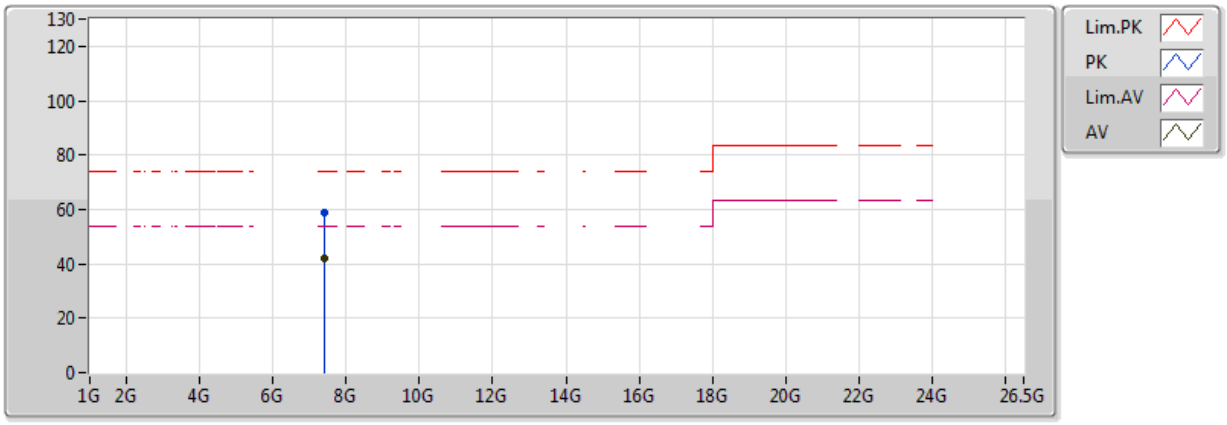
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4836G	52.82	54.00	-1.18	31.69	3	H	279	1.50	-
AV	2.459G	103.16	Inf	-Inf	31.61	3	H	279	1.50	-
PK	2.4836G	72.68	74.00	-1.32	31.69	3	H	279	1.50	-
PK	2.4648G	114.23	Inf	-Inf	31.63	3	H	279	1.50	-

802.11g_(6Mbps)_2TX

2462MHz_TX



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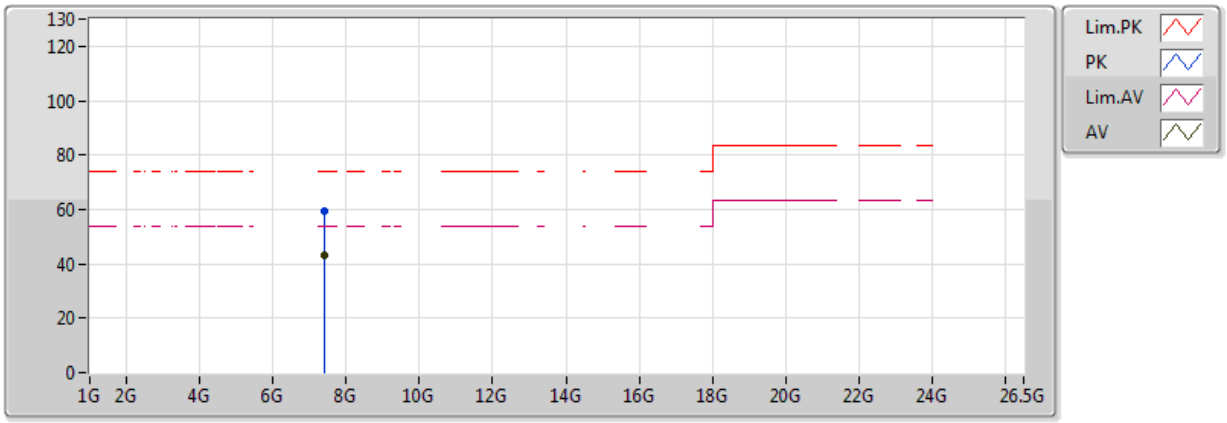
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.386G	41.80	54.00	-12.20	12.70	3	V	216	1.80	-
PK	7.386G	58.80	74.00	-15.20	12.70	3	V	216	1.80	-

802.11g_(6Mbps)_2TX

2462MHz_TX



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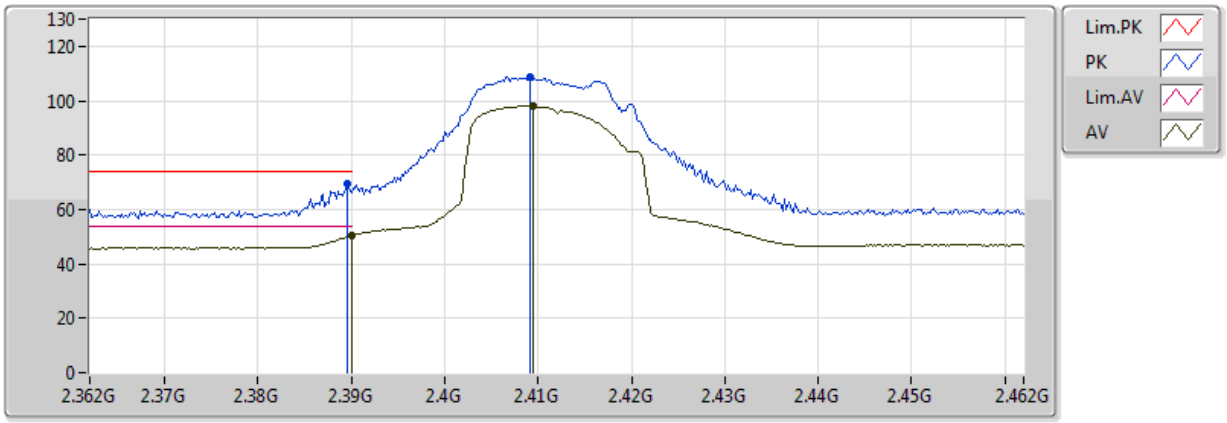
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.386G	43.07	54.00	-10.93	12.70	3	H	229	1.00	-
PK	7.386G	59.54	74.00	-14.46	12.70	3	H	229	1.09	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

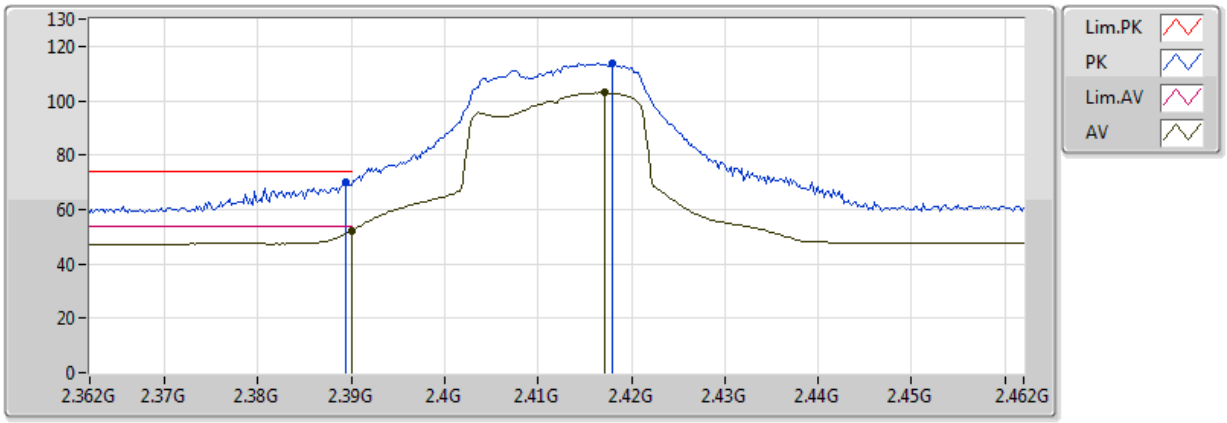


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	50.35	54.00	-3.65	31.39	3	V	131	3.69	-
AV	2.4094G	98.05	Inf	-Inf	31.45	3	V	131	3.69	-
PK	2.3896G	69.28	74.00	-4.72	31.39	3	V	131	3.69	-
PK	2.4092G	108.95	Inf	-Inf	31.45	3	V	131	3.69	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

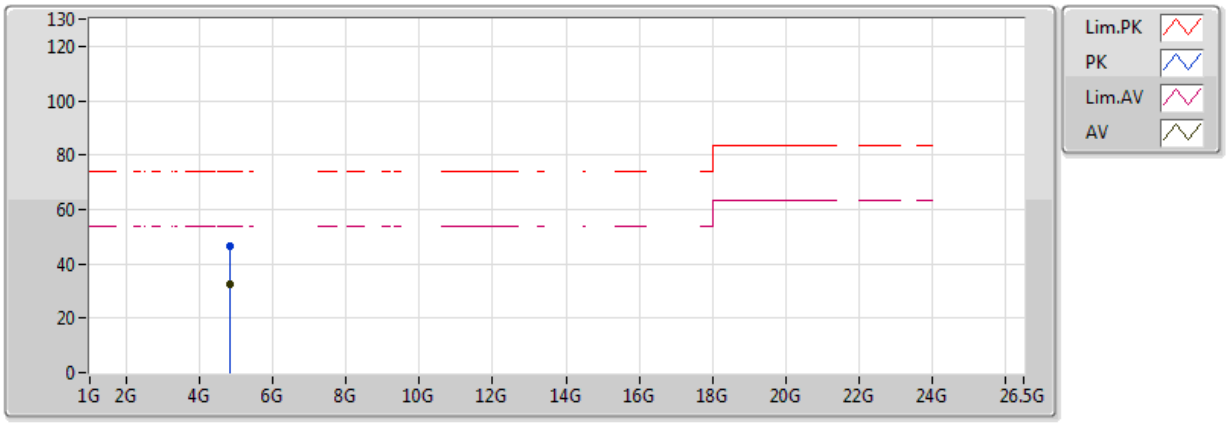


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.07	54.00	-1.93	31.39	3	H	171	1.50	-
AV	2.4172G	102.88	Inf	-Inf	31.48	3	H	171	1.50	-
PK	2.3894G	69.78	74.00	-4.22	31.39	3	H	171	1.50	-
PK	2.418G	113.62	Inf	-Inf	31.48	3	H	171	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

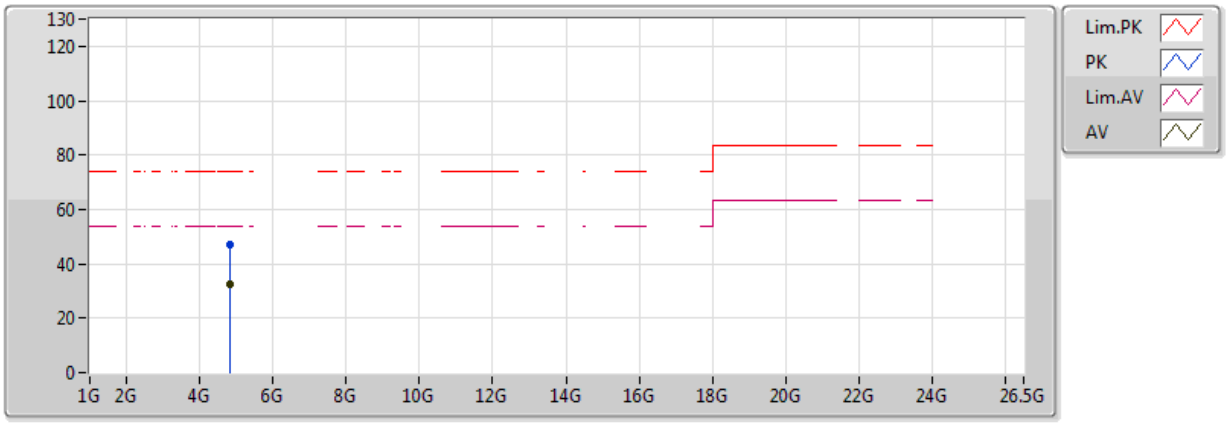


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	32.31	54.00	-21.69	6.42	3	V	182	1.50	-
PK	4.824G	46.64	74.00	-27.36	6.42	3	V	182	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX



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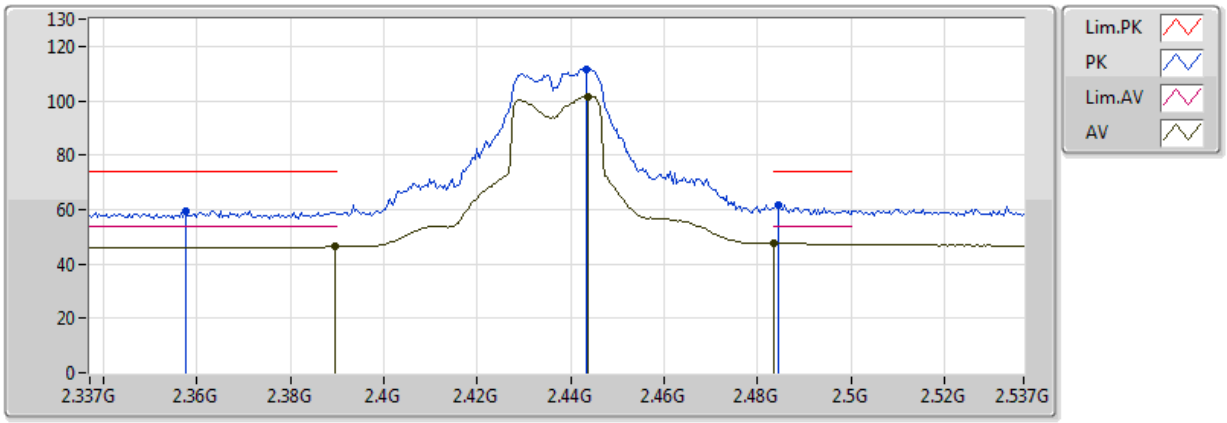
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	32.58	54.00	-21.42	6.42	3	H	296	1.50	-
PK	4.824G	47.12	74.00	-26.88	6.42	3	H	296	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX



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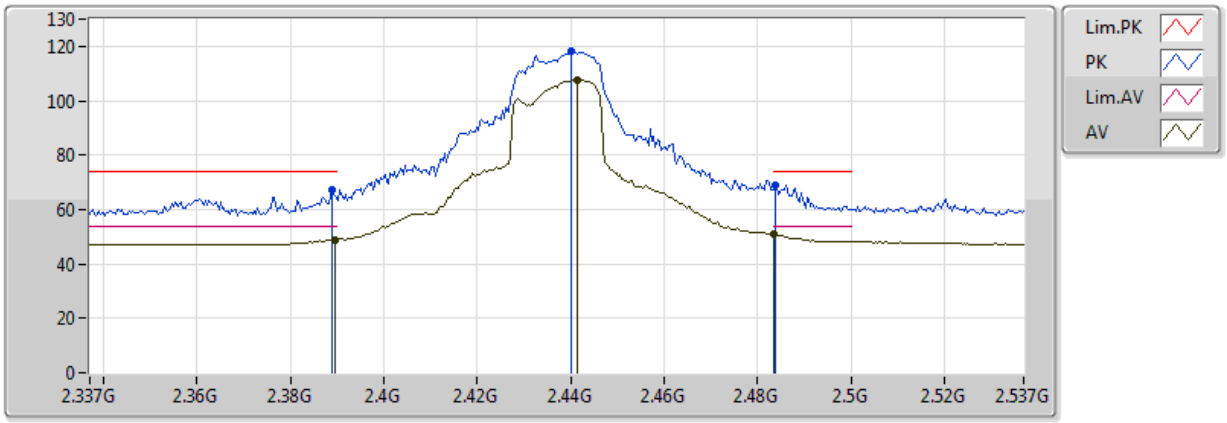
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	46.53	54.00	-7.47	31.39	3	V	143	3.32	-
AV	2.483502G	47.79	54.00	-6.21	31.69	3	V	143	3.32	-
AV	2.4438G	101.66	Inf	-Inf	31.56	3	V	143	3.32	-
PK	2.3574G	59.55	74.00	-14.45	31.29	3	V	143	3.32	-
PK	2.4846G	61.78	74.00	-12.22	31.69	3	V	143	3.32	-
PK	2.4434G	111.70	Inf	-Inf	31.56	3	V	143	3.32	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX



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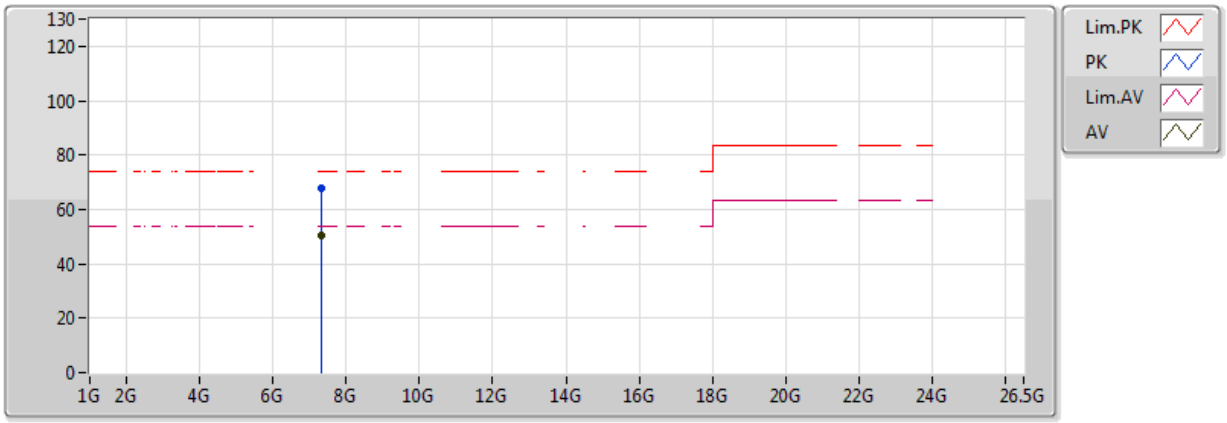
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	48.89	54.00	-5.11	31.39	3	H	171	1.00	-
AV	2.483502G	50.85	54.00	-3.15	31.69	3	H	171	1.00	-
AV	2.4414G	107.53	Inf	-Inf	31.55	3	H	171	1.00	-
PK	2.389G	67.43	74.00	-6.57	31.39	3	H	171	1.00	-
PK	2.4838G	69.16	74.00	-4.84	31.69	3	H	171	1.00	-
PK	2.4402G	118.02	Inf	-Inf	31.55	3	H	171	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

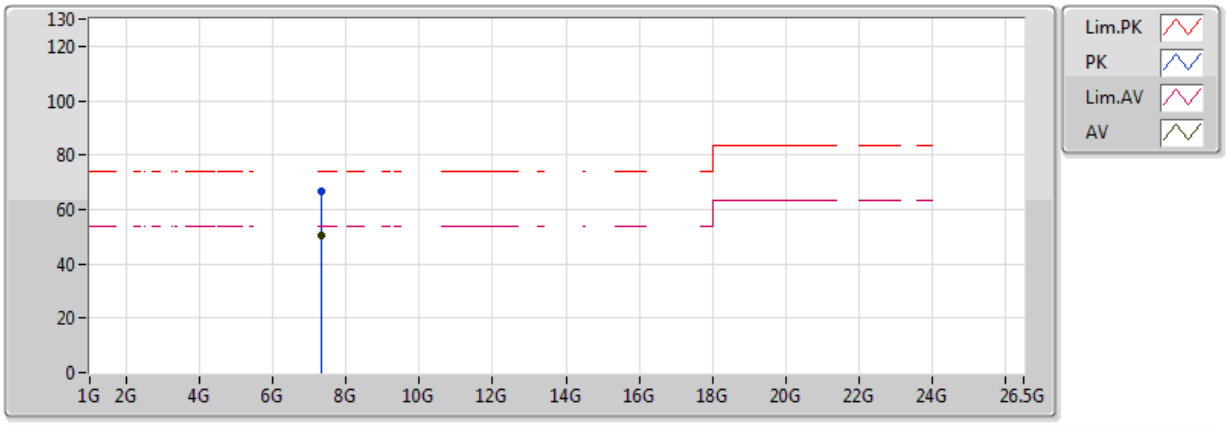


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.311G	50.71	54.00	-3.29	12.52	3	V	329	2.19	-
PK	7.311G	67.89	74.00	-6.11	12.52	3	V	329	2.19	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

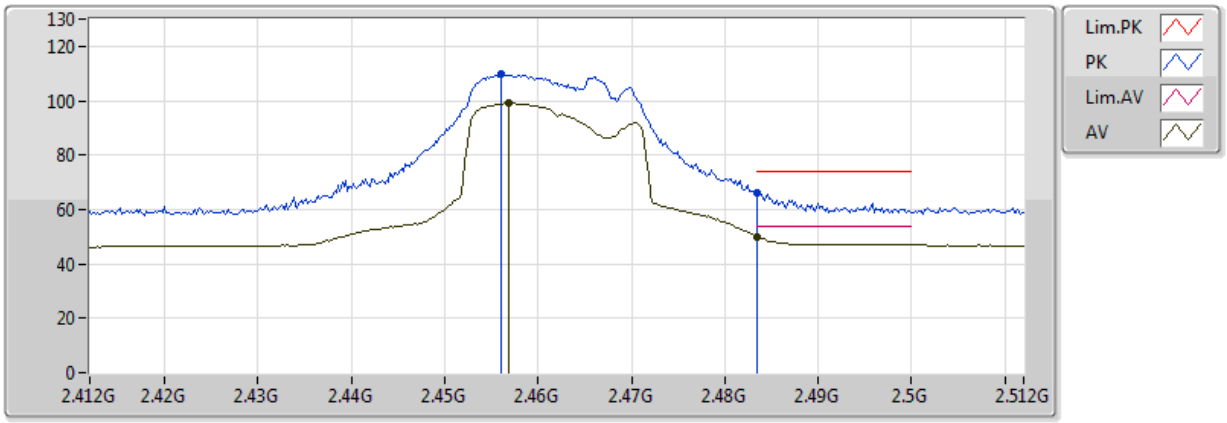


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.311G	50.52	54.00	-3.48	12.52	3	H	225	1.00	-
PK	7.311G	66.72	74.00	-7.28	12.52	3	H	225	1.00	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

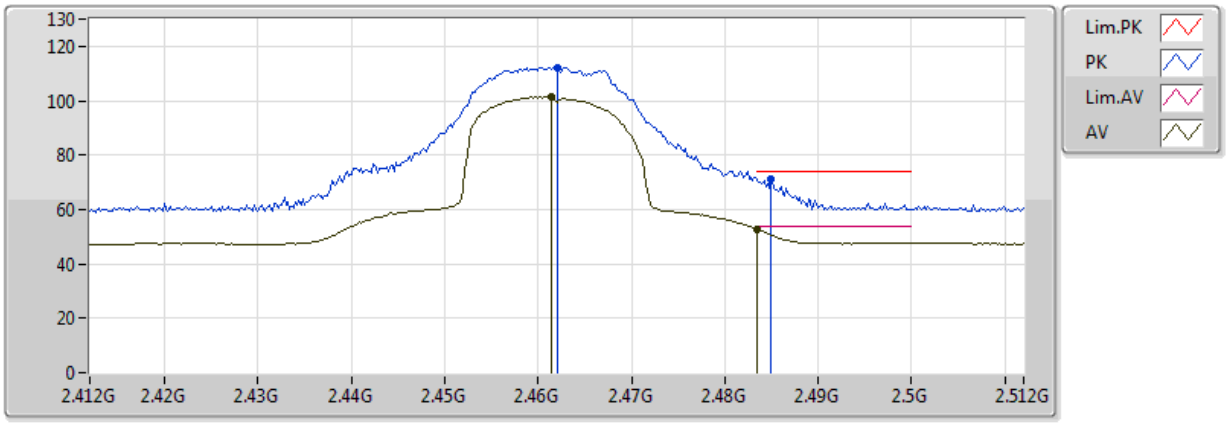


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.483502G	49.97	54.00	-4.03	31.69	3	V	268	3.51	-
AV	2.4568G	98.95	Inf	-Inf	31.60	3	V	268	3.51	-
PK	2.483502G	66.29	74.00	-7.71	31.69	3	V	268	3.51	-
PK	2.456G	109.56	Inf	-Inf	31.60	3	V	268	3.51	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



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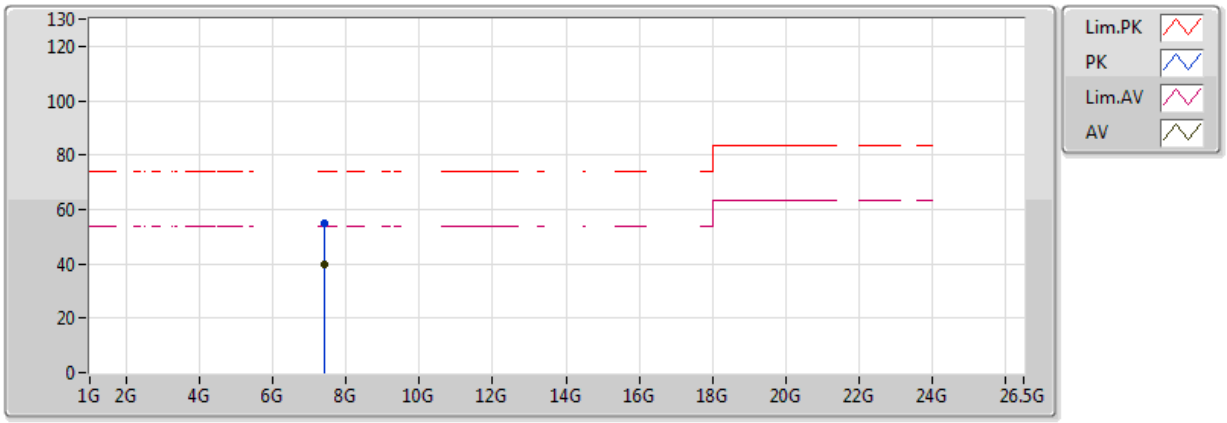
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.483502G	52.88	54.00	-1.12	31.69	3	H	214	1.01	-
AV	2.4614G	101.37	Inf	-Inf	31.62	3	H	214	1.01	-
PK	2.485G	71.02	74.00	-2.98	31.69	3	H	214	1.01	-
PK	2.462G	112.29	Inf	-Inf	31.62	3	H	214	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



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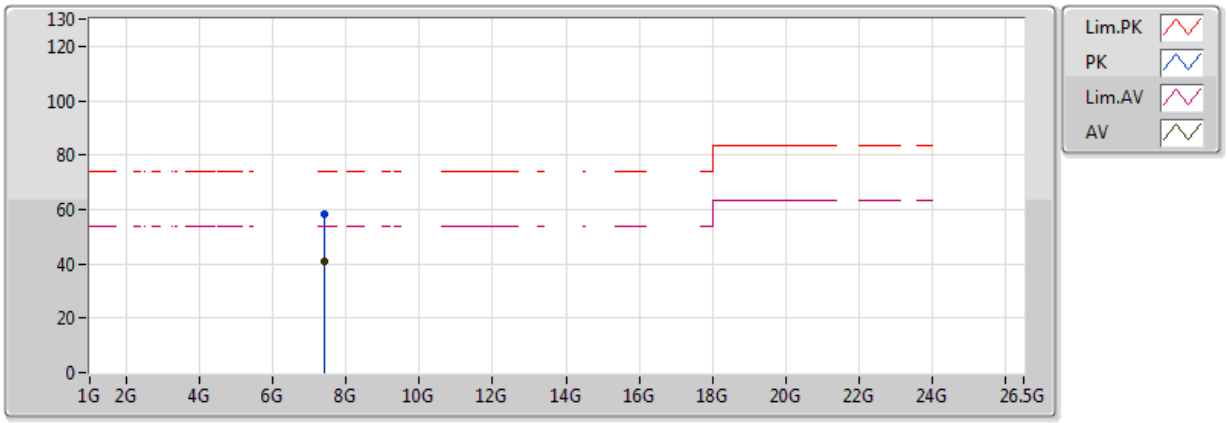
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.386G	39.93	54.00	-14.07	12.70	3	V	217	1.76	-
PK	7.386G	55.02	74.00	-18.98	12.70	3	V	217	1.76	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



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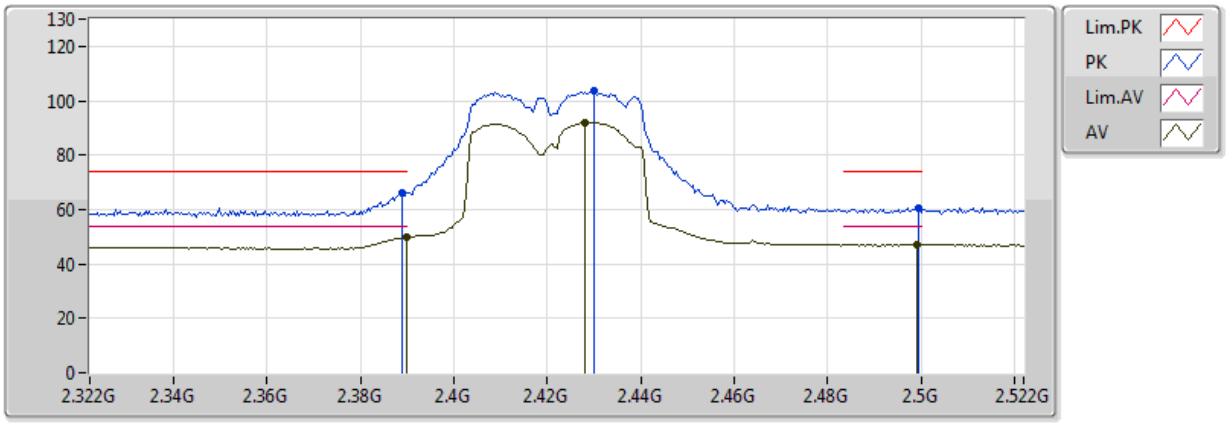
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	7.386G	40.82	54.00	-13.18	12.70	3	H	224	1.99	-
PK	7.386G	58.00	74.00	-16.00	12.70	3	H	224	1.99	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX



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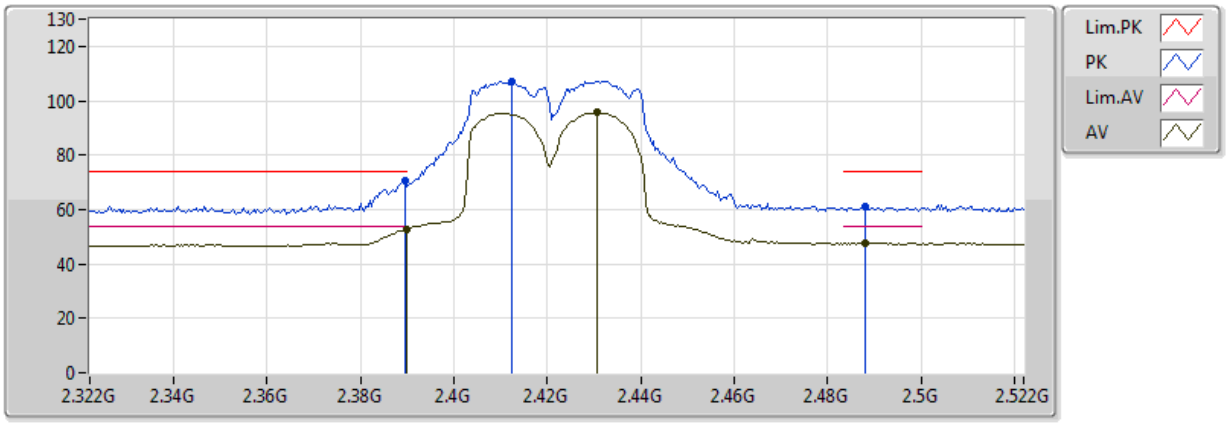
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	49.94	54.00	-4.06	31.39	3	V	131	3.69	-
AV	2.4992G	47.13	54.00	-6.87	31.74	3	V	131	3.69	-
AV	2.428G	92.13	Inf	-Inf	31.51	3	V	131	3.69	-
PK	2.3888G	66.27	74.00	-7.73	31.39	3	V	131	3.69	-
PK	2.4996G	60.64	74.00	-13.36	31.74	3	V	131	3.69	-
PK	2.43G	103.53	Inf	-Inf	31.52	3	V	131	3.69	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX



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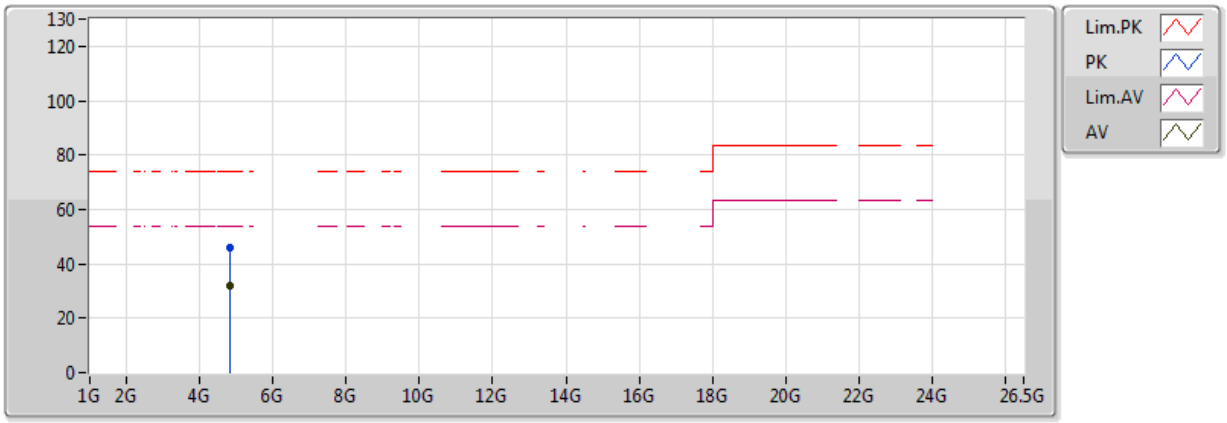
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.90	54.00	-1.10	31.39	3	H	216	1.06	-
AV	2.488G	47.61	54.00	-6.39	31.70	3	H	216	1.06	-
AV	2.4308G	95.55	Inf	-Inf	31.52	3	H	216	1.06	-
PK	2.3896G	70.65	74.00	-3.35	31.39	3	H	216	1.06	-
PK	2.488G	60.81	74.00	-13.19	31.70	3	H	216	1.06	-
PK	2.4124G	107.21	Inf	-Inf	31.46	3	H	216	1.06	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX



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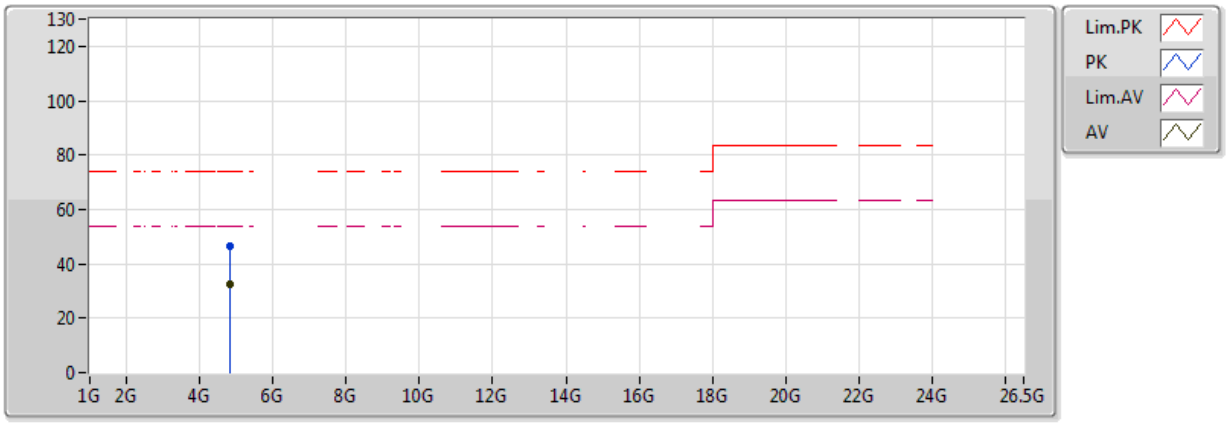
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	32.12	54.00	-21.88	6.46	3	V	67	1.50	-
PK	4.844G	45.98	74.00	-28.02	6.46	3	V	67	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX



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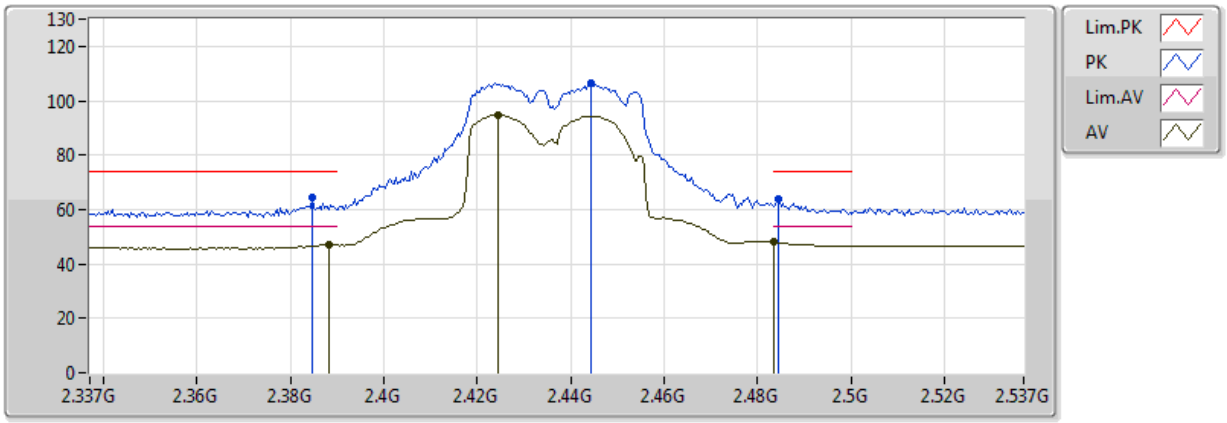
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	32.41	54.00	-21.59	6.46	3	H	176	1.50	-
PK	4.844G	46.32	74.00	-27.68	6.46	3	H	176	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



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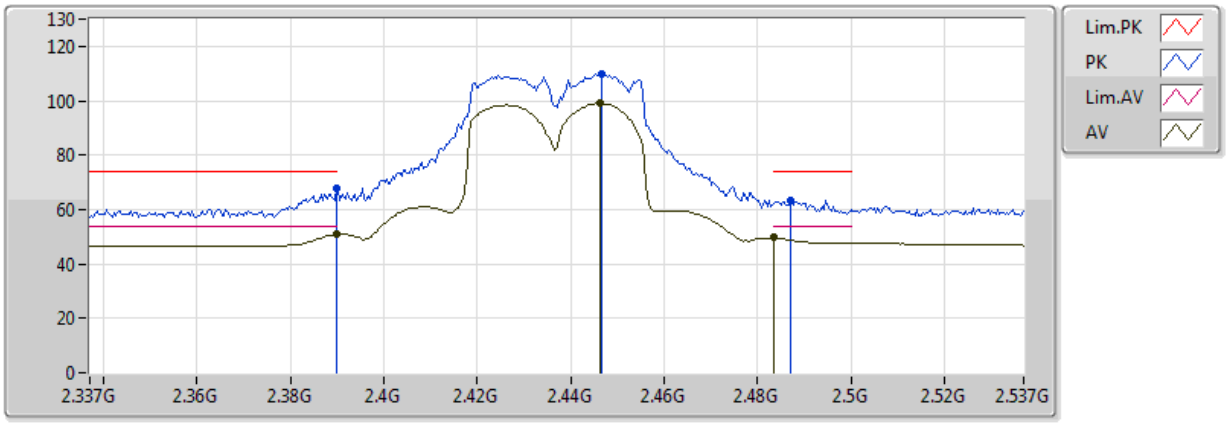
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3882G	47.13	54.00	-6.87	31.38	3	V	275	3.60	-
AV	2.483502G	48.00	54.00	-6.00	31.69	3	V	275	3.60	-
AV	2.4246G	94.82	Inf	-Inf	31.50	3	V	275	3.60	-
PK	2.3846G	64.17	74.00	-9.83	31.37	3	V	275	3.60	-
PK	2.4846G	63.83	74.00	-10.17	31.69	3	V	275	3.60	-
PK	2.4442G	106.34	Inf	-Inf	31.56	3	V	275	3.60	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



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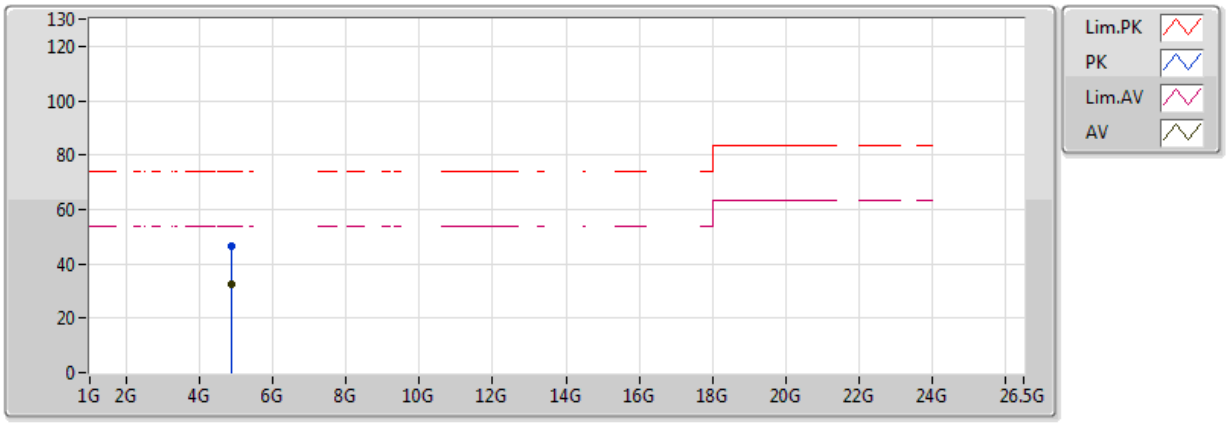
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	50.93	54.00	-3.07	31.39	3	H	215	1.49	-
AV	2.483502G	49.65	54.00	-4.35	31.69	3	H	215	1.49	-
AV	2.4462G	99.11	Inf	-Inf	31.57	3	H	215	1.49	-
PK	2.389998G	67.93	74.00	-6.07	31.39	3	H	215	1.49	-
PK	2.487G	63.50	74.00	-10.50	31.70	3	H	215	1.49	-
PK	2.4466G	109.79	Inf	-Inf	31.57	3	H	215	1.49	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



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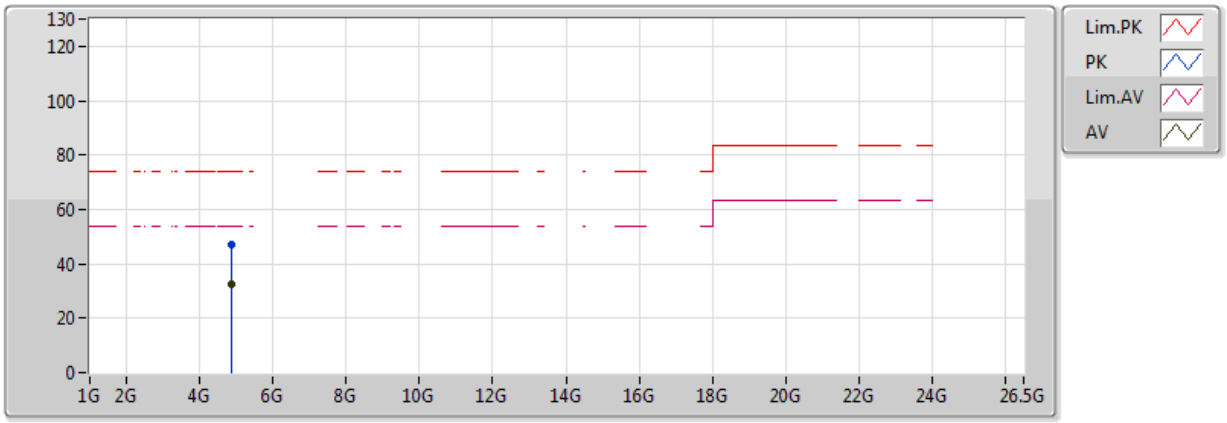
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	32.28	54.00	-21.72	6.53	3	V	100	1.50	-
PK	4.874G	46.33	74.00	-27.67	6.53	3	V	100	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



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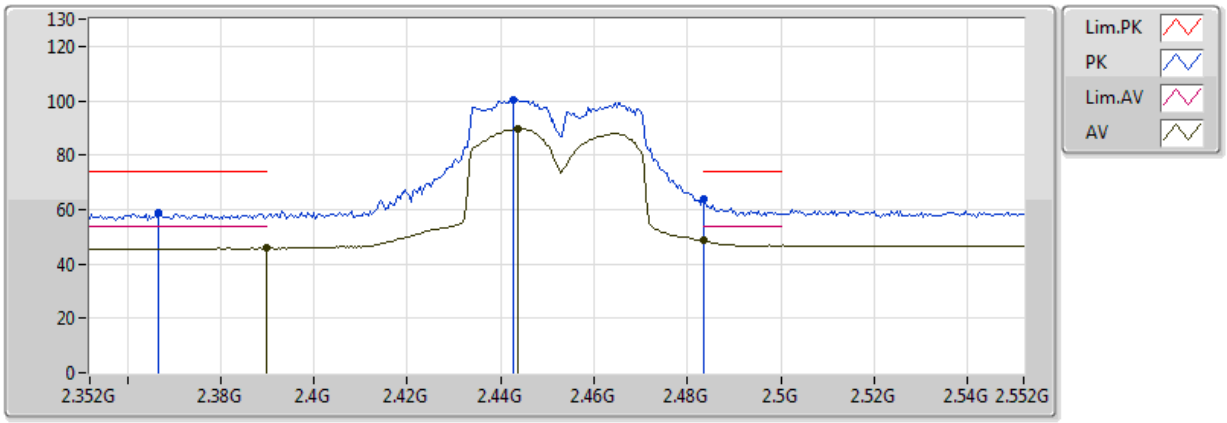
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	32.63	54.00	-21.37	6.53	3	H	230	1.50	-
PK	4.874G	46.82	74.00	-27.18	6.53	3	H	230	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



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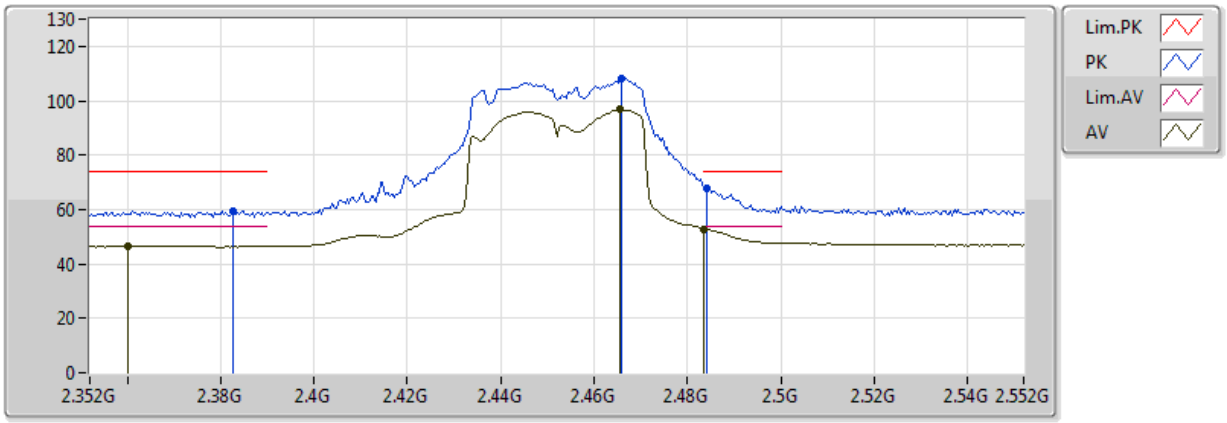
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	45.74	54.00	-8.26	31.39	3	V	294	3.69	-
AV	2.4836G	48.49	54.00	-5.51	31.69	3	V	294	3.69	-
AV	2.4436G	89.72	Inf	-Inf	31.56	3	V	294	3.69	-
PK	2.3668G	58.61	74.00	-15.39	31.32	3	V	294	3.69	-
PK	2.4836G	63.94	74.00	-10.06	31.69	3	V	294	3.69	-
PK	2.4428G	100.52	Inf	-Inf	31.56	3	V	294	3.69	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



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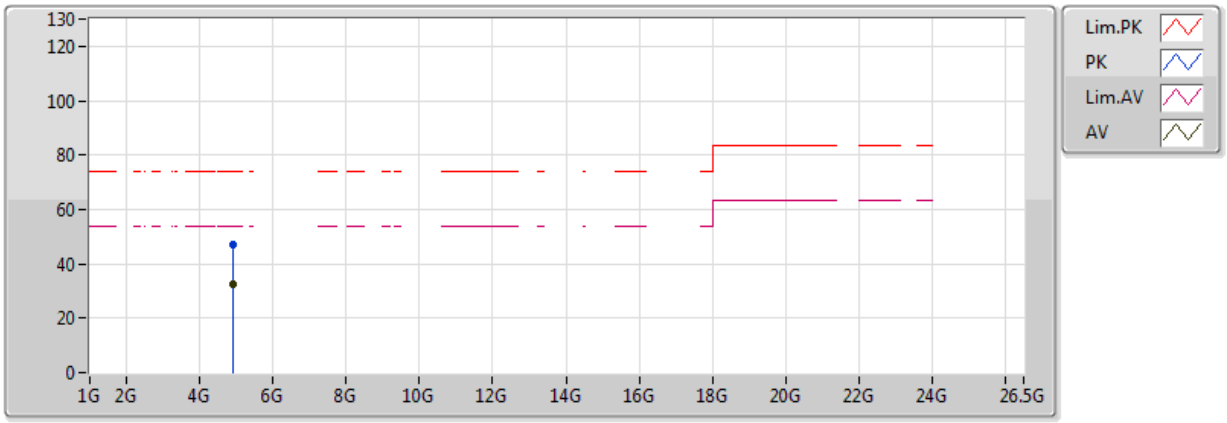
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.36G	46.61	54.00	-7.39	31.30	3	H	172	1.61	-
AV	2.4836G	52.92	54.00	-1.08	31.69	3	H	172	1.61	-
AV	2.4656G	96.80	Inf	-Inf	31.63	3	H	172	1.61	-
PK	2.3828G	59.38	74.00	-14.62	31.37	3	H	172	1.61	-
PK	2.484G	67.92	74.00	-6.08	31.69	3	H	172	1.61	-
PK	2.466G	108.24	Inf	-Inf	31.63	3	H	172	1.61	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



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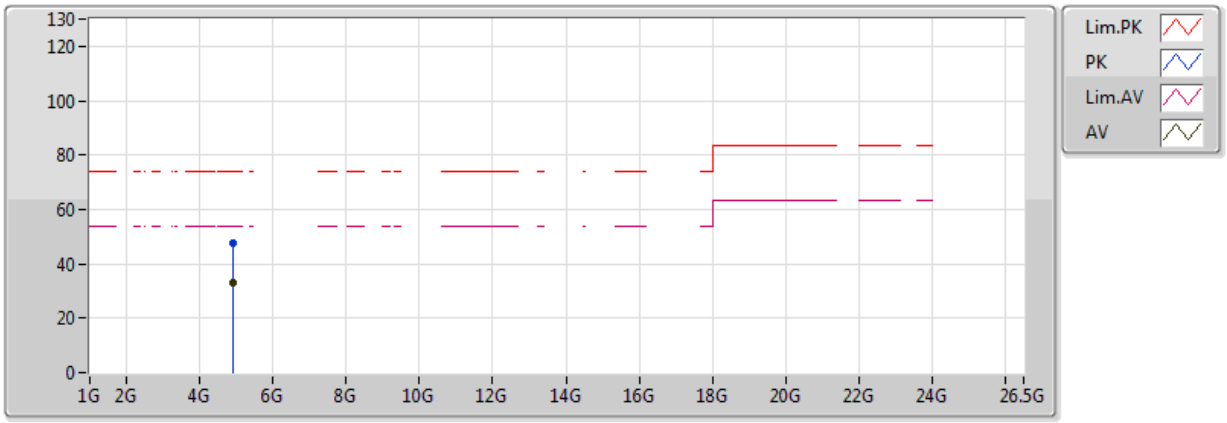
Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	32.26	54.00	-21.74	6.60	3	V	238	1.50	-
PK	4.904G	46.82	74.00	-27.18	6.60	3	V	238	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



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Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	32.82	54.00	-21.18	6.60	3	H	145	1.50	-
PK	4.904G	47.60	74.00	-26.40	6.60	3	H	145	1.50	-