

FCC Test Report

Equipment : NanoStation AC Loco
Brand Name : UBIQUITI
Model No. : NS-5ACL
FCC ID : SWX-NS5ACLW
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☒ Point-to-point
Applicant / Manufacturer : Ubiquiti Networks, Inc.
685 Third Avenue, 27th Floor New York, New York 10017
USA

The product sample received on Aug. 11, 2017 and completely tested on Sep. 01, 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.





Table of Contents

1	GENERAL DESCRIPTION	5
1.1	Information.....	5
1.2	Testing Applied Standards	6
1.3	Testing Location Information	6
1.4	Measurement Uncertainty	6
2	TEST CONFIGURATION OF EUT.....	7
2.1	Test Condition	7
2.2	Test Channel Mode	7
2.3	The Worst Case Measurement Configuration.....	8
2.4	Accessories	9
2.5	Support Equipment.....	9
2.6	Test Setup Diagram	10
3	TRANSMITTER TEST RESULT	12
3.1	AC Power-line Conducted Emissions	12
3.2	DTS Bandwidth.....	13
3.3	Maximum Conducted Output Power	14
3.4	Power Spectral Density	16
3.5	Emissions in Non-restricted Frequency Bands	17
3.6	Emissions in Restricted Frequency Bands.....	18
4	TEST EQUIPMENT AND CALIBRATION DATA	22
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS		
APPENDIX B. TEST RESULTS OF DTS BANDWIDTH		
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER		
APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY		
APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS		
APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS		
APPENDIX G. TEST PHOTOS		
PHOTOGRAPHS OF EUT V01		

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

[illegible]

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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

1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	-	-	internal antenna(PCB)	Murata	2

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
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) $\geq 1/T$
802.11b	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.987	0.057	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	0.991	0.039	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	0.983	0.074	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)

1.2 Testing Applied Standards

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

- 47 CFR FCC Part 15
- ANSI C63.10-2013
- KDB 558074 D01 v04

1.3 Testing Location Information

Testing Location			
☒	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	
		TEL : 886-3-327-3456	FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.			
☐	JHUBEI	ADD : No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County, Taiwan (R.O.C.)	
		TEL : 886-3-656-9065	FAX : 886-3-656-9085
Test site Designation No. TW0006 with FCC.			

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH07-HY	Ryan Hsiao	24.6°C / 65%	30/Aug/2017
Radiated	03CH02-HY	Lynus Tsai	25.3°C / 64%	29/Aug/2017
AC Conduction	CO04-HY	Daniel Hsu	24.9°C / 55%	01/Sep/2017

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	Putty
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Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	13.5
2437MHz	11
2462MHz	12
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	12
2437MHz	19
2462MHz	17.5
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	12
2437MHz	20
2462MHz	16
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	8.5
2437MHz	13.5
2452MHz	12

2.3 The Worst Case Measurement Configuration

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

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

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

2.4 Accessories

Accessories				
PoE Adapter	Brand Name	UBIQUITI	Model Name	GP-A240-050G
	Power Rating	I/P: 100-240Vac, 0.3A, O/P: 24Vdc, 0.5A		

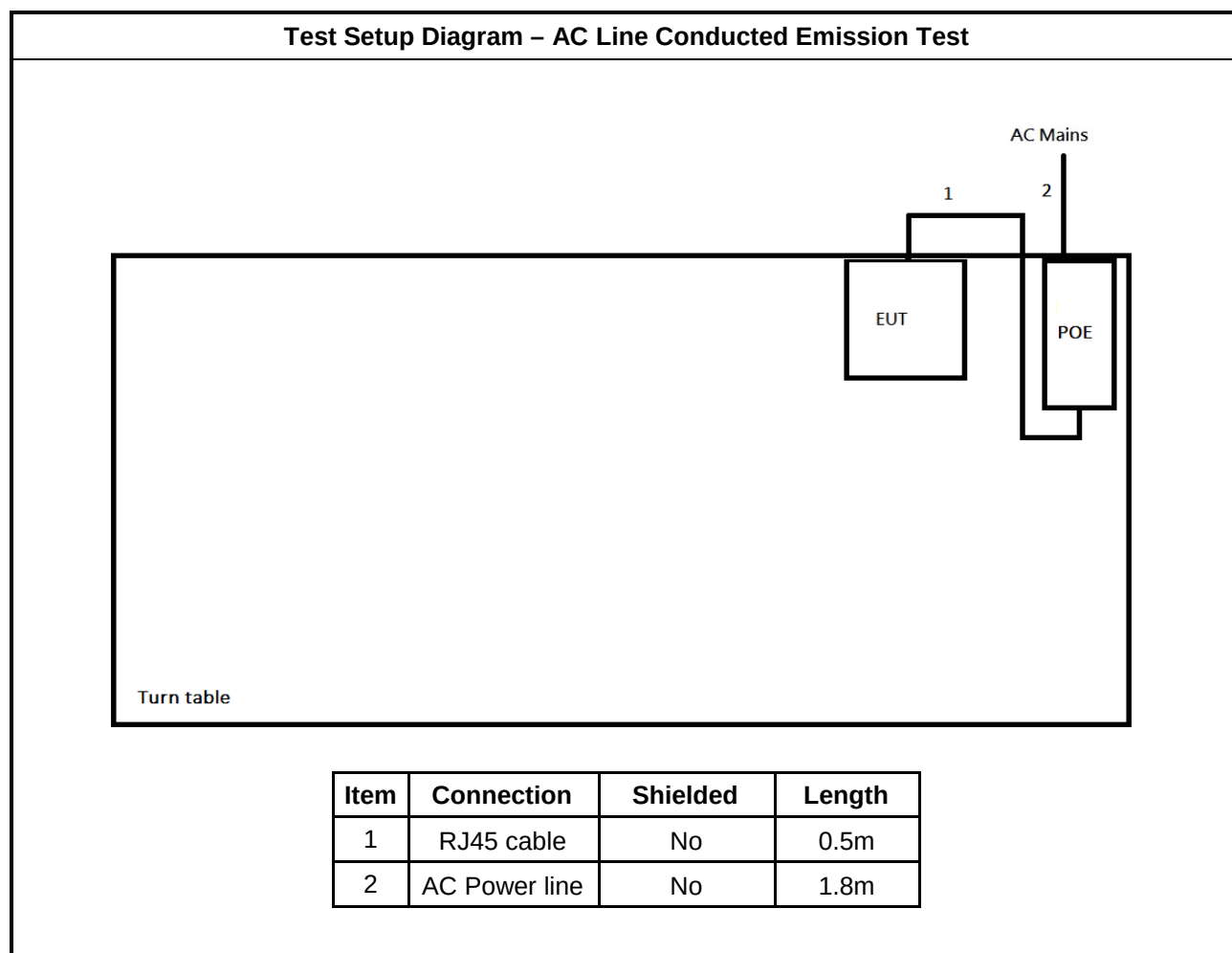
2.5 Support Equipment

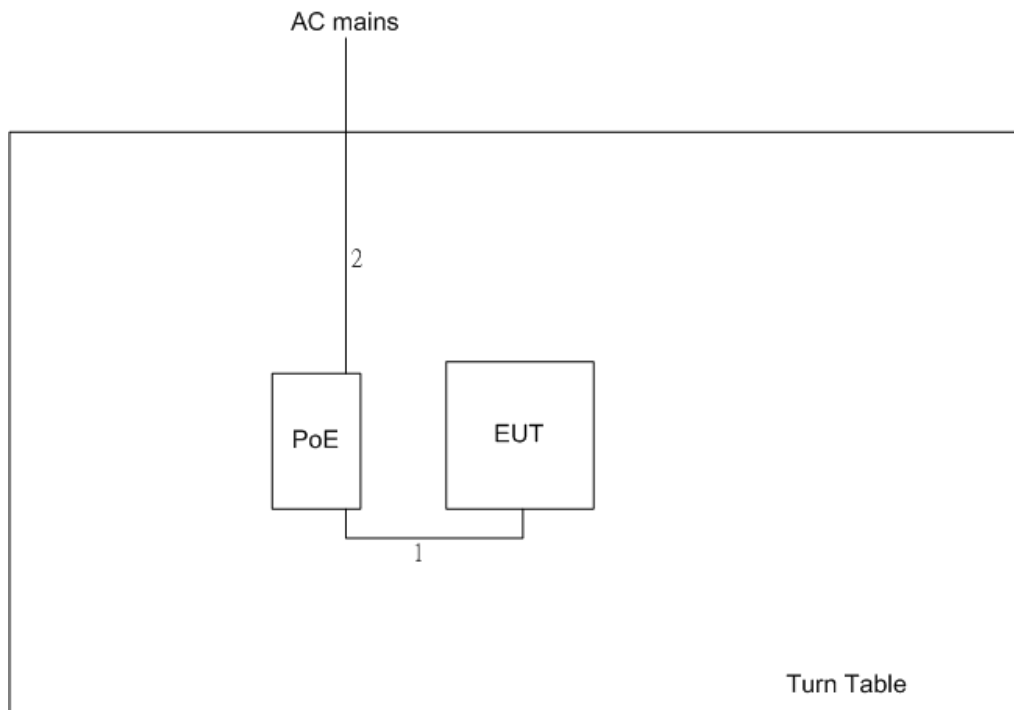
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	R33002 / DOC
2	Adapter for NB	DELL	HA65NM130	R35737 / DOC
3	AC Source	G.W	APS-9102	-

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

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	-	-	-	-

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length
1	RJ45 cable	No	0.5m
2	AC Power line	No	1.8m

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.

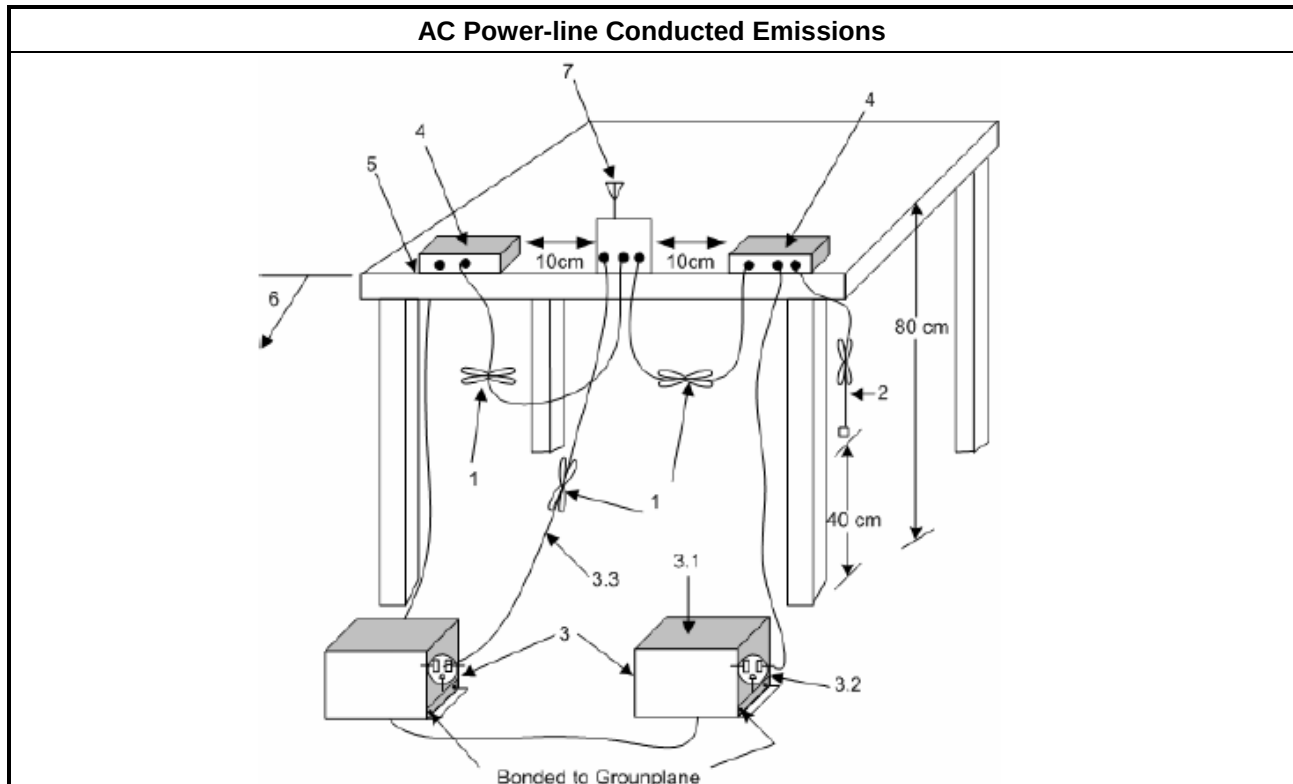
3.1.2 Measuring Instruments

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



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 $\geq$ 500 kHz.

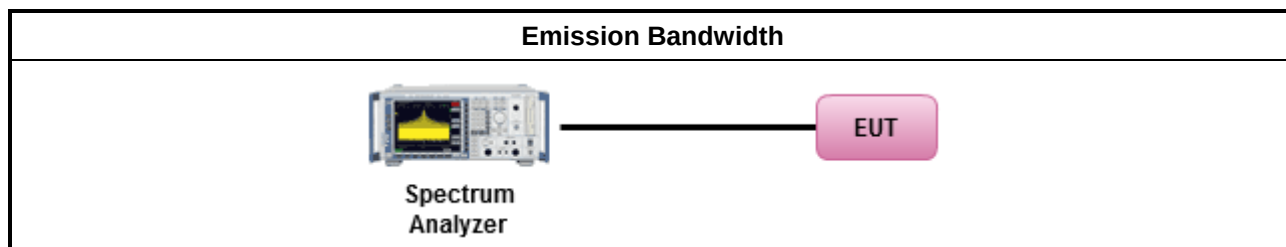
3.2.2 Measuring Instruments

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



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): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm	
	Smart antenna system (SAS)	
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.		

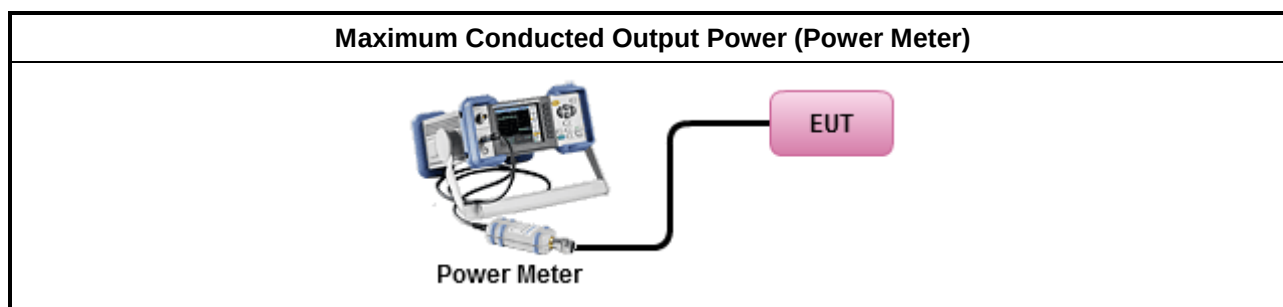
3.3.2 Measuring Instruments

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: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	

3.3.4 Test Setup



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) $\leq$ 8 dBm/3kHz

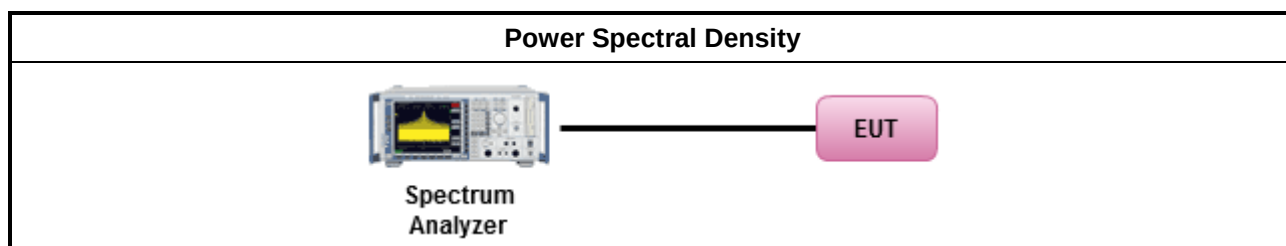
3.4.2 Measuring Instruments

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



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.	

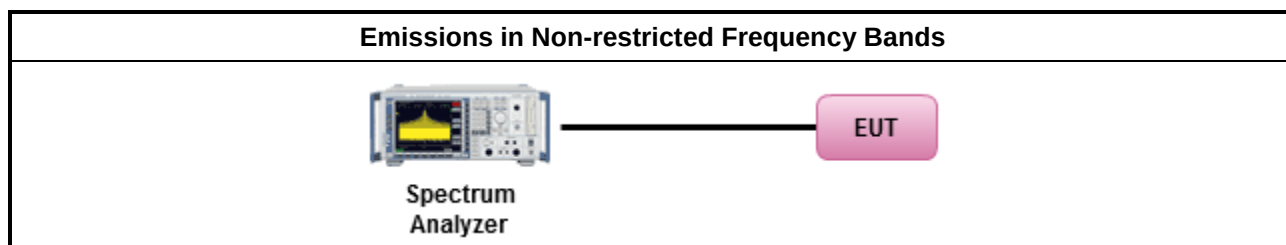
3.5.2 Measuring Instruments

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



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.

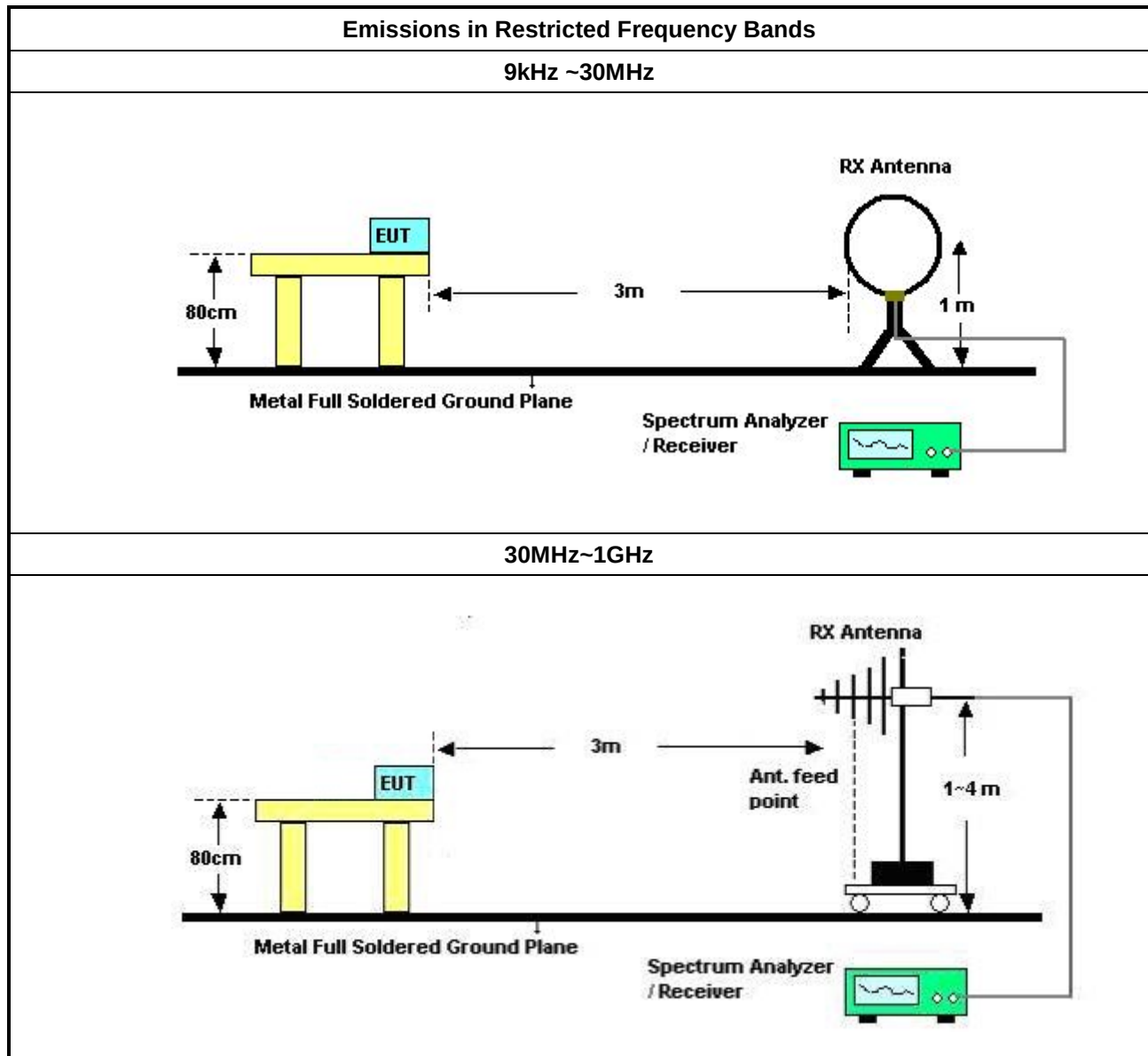
3.6.2 Measuring Instruments

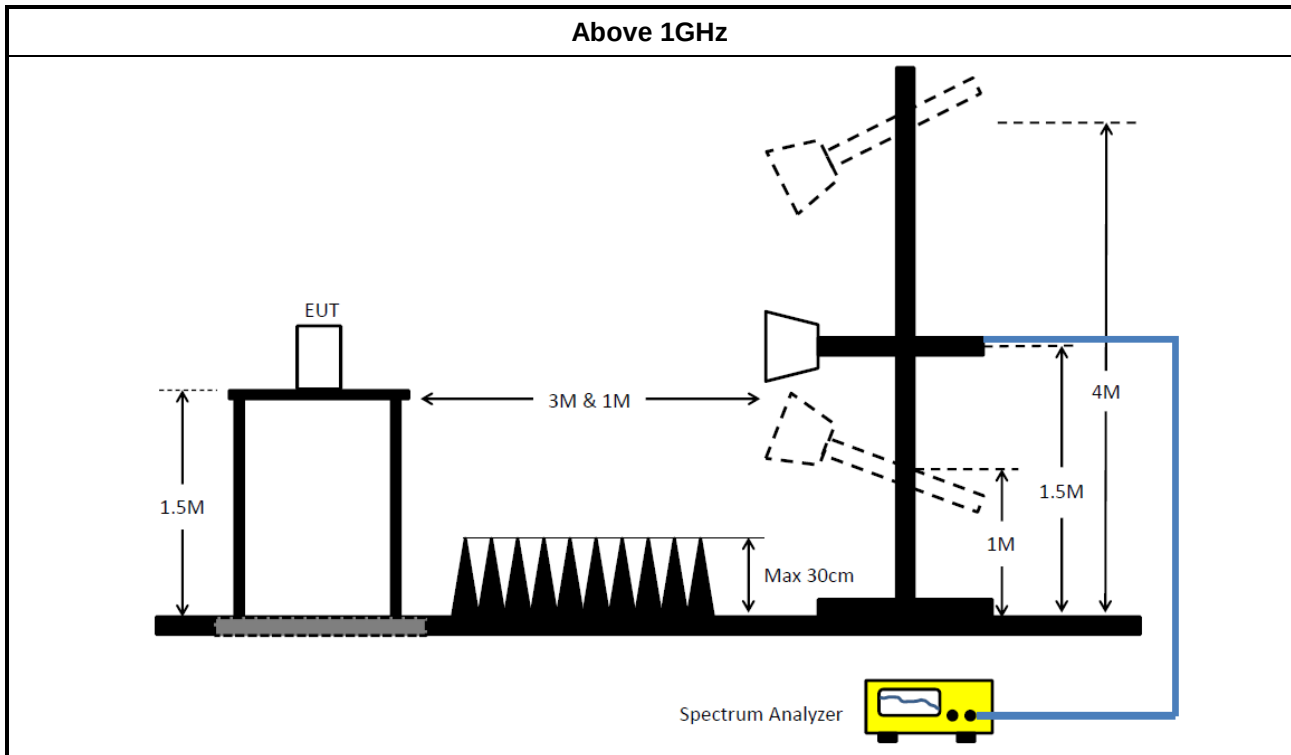
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 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 $\geq$ 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





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

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

3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

Instrument for Radiated Test

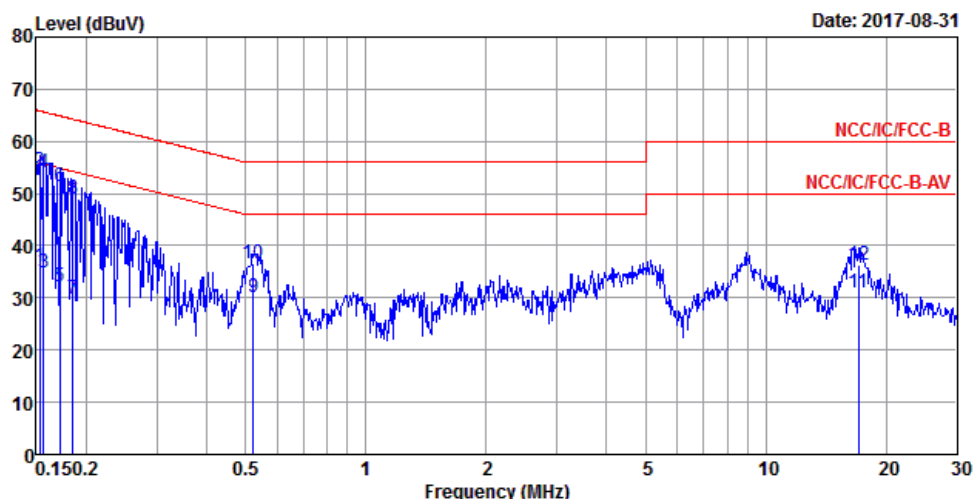
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	TESEQ	HLA 6120	31244	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017

Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9kHz~40GHz	28/Jun/2017	27/Jun/2018
Power Sensor	Anritsu	MA2411B	1027452	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1124009	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	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	1	Power Phase	Neutral
Operating Function	PoE Mode		

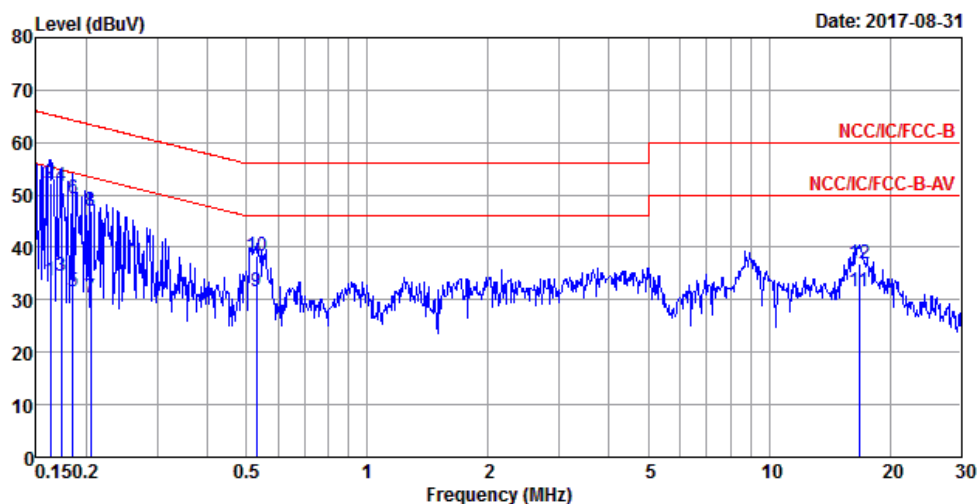


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	36.01	-19.81	55.82	26.19	9.60	0.22	Average
2 MAX	0.15	54.29	-11.53	65.82	44.47	9.60	0.22	QP
3	0.16	34.89	-20.76	55.65	25.05	9.61	0.23	Average
4	0.16	53.93	-11.72	65.65	44.09	9.61	0.23	QP
5	0.17	32.30	-22.60	54.90	22.41	9.63	0.26	Average
6	0.17	51.44	-13.46	64.90	41.55	9.63	0.26	QP
7	0.19	29.95	-24.29	54.24	20.02	9.65	0.28	Average
8	0.19	48.94	-15.30	64.24	39.01	9.65	0.28	QP
9	0.52	30.25	-15.75	46.00	20.53	9.62	0.10	Average
10	0.52	36.54	-19.46	56.00	26.82	9.62	0.10	QP
11	17.02	31.00	-19.00	50.00	20.95	9.85	0.20	Average
12	17.02	36.33	-23.67	60.00	26.28	9.85	0.20	QP

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

AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	PoE Mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
			dB	dBuV	dBuV	dB	dB	
1	0.16	33.74	-21.60	55.34	23.84	9.66	0.24	Average
2	0.16	52.21	-13.13	65.34	42.31	9.66	0.24	QP
3	0.17	34.57	-20.24	54.81	24.65	9.66	0.26	Average
4 MAX	0.17	51.71	-13.10	64.81	41.79	9.66	0.26	QP
5	0.19	31.73	-22.51	54.24	21.80	9.65	0.28	Average
6	0.19	49.25	-14.99	64.24	39.32	9.65	0.28	QP
7	0.21	30.35	-23.05	53.40	20.41	9.65	0.29	Average
8	0.21	46.86	-16.54	63.40	36.92	9.65	0.29	QP
9	0.53	31.67	-14.33	46.00	21.91	9.66	0.10	Average
10	0.53	38.40	-17.60	56.00	28.64	9.66	0.10	QP
11	16.75	31.49	-18.51	50.00	21.43	9.86	0.20	Average
12	16.75	36.92	-23.08	60.00	26.86	9.86	0.20	QP

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

Summary

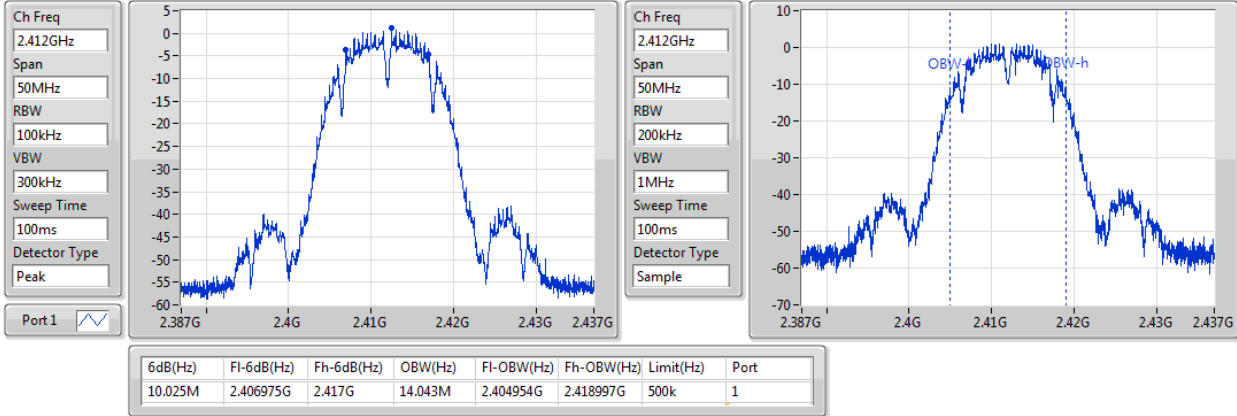
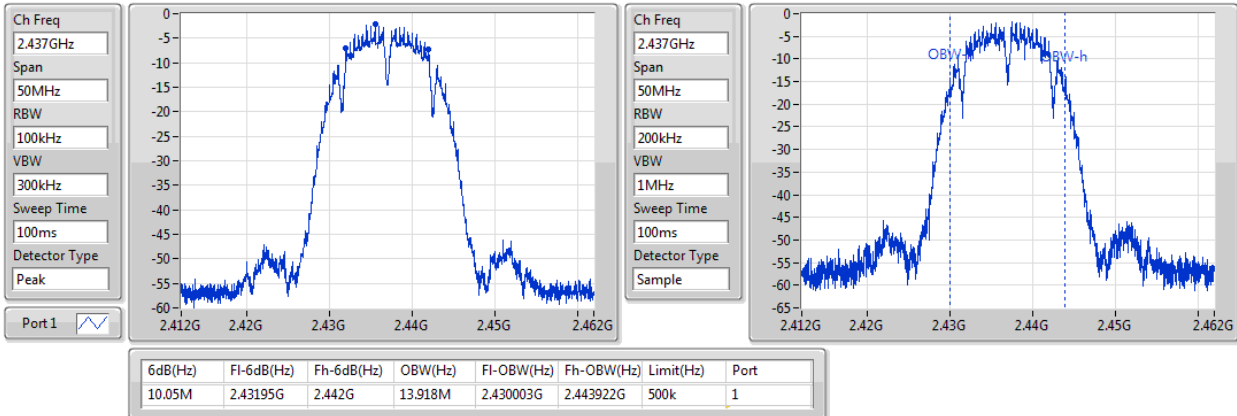
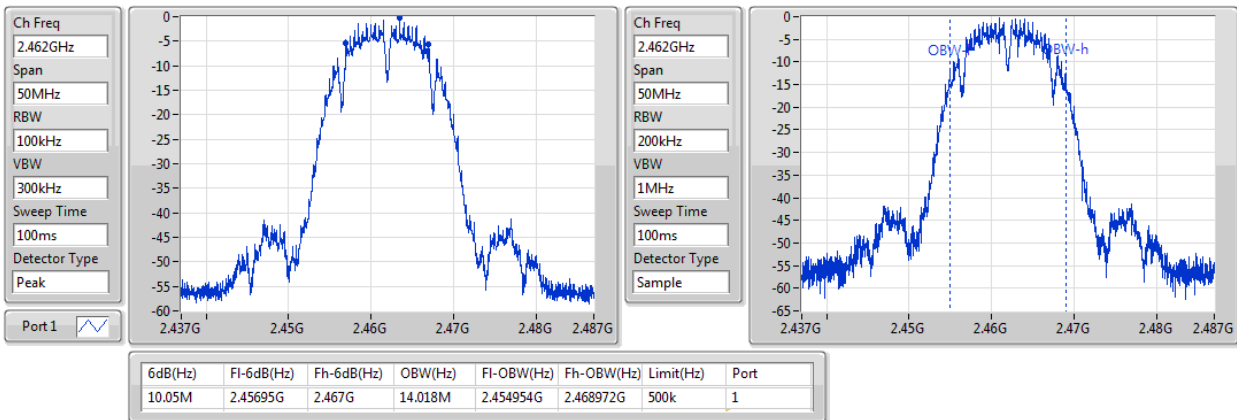
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	10.05M	14.043M	14M0G1D	10.025M	13.918M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.55M	22.064M	22M1D1D	16.525M	16.592M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	17.775M	25.787M	25M8D1D	17.7M	17.791M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	36.55M	36.482M	36M5D1D	36.5M	36.282M

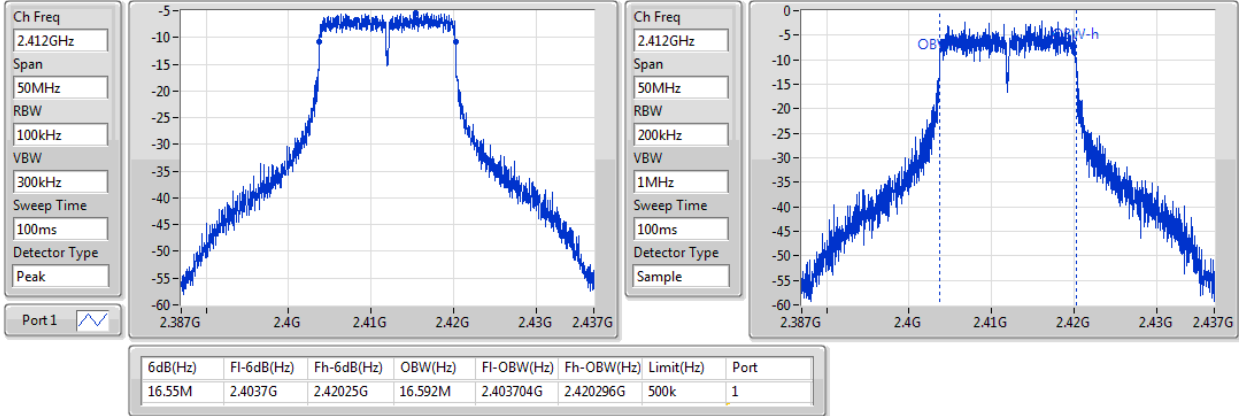
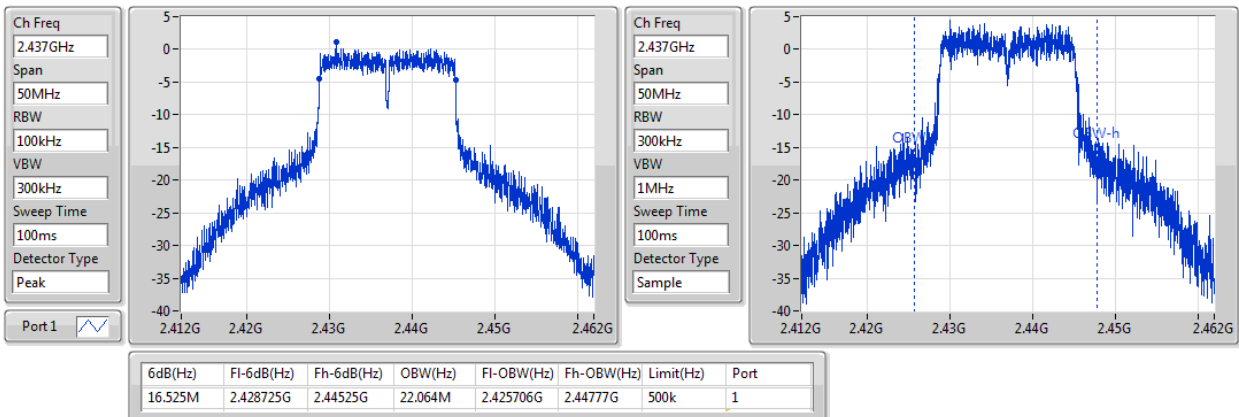
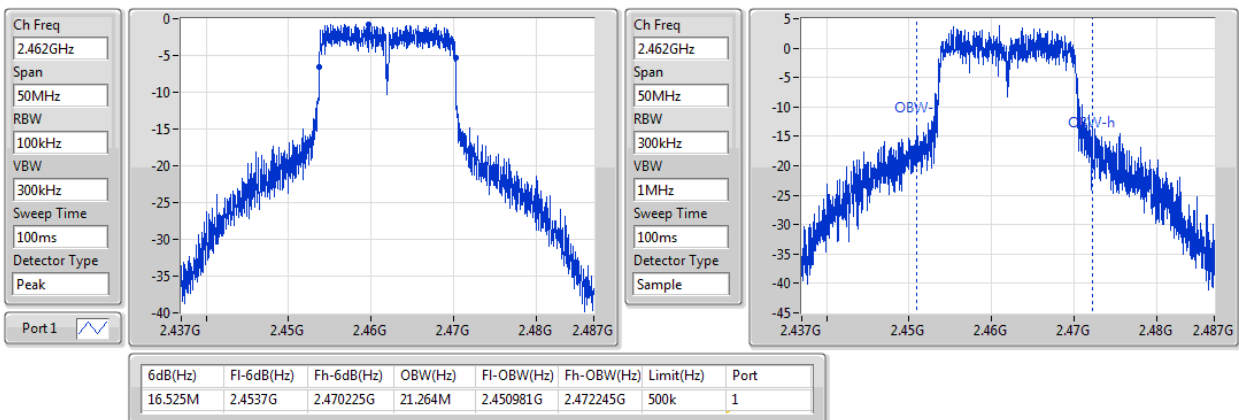
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

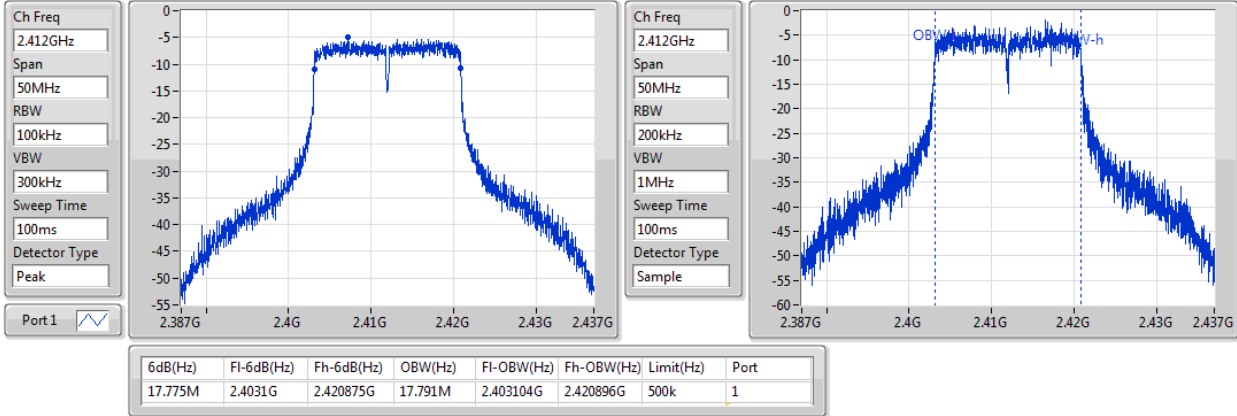
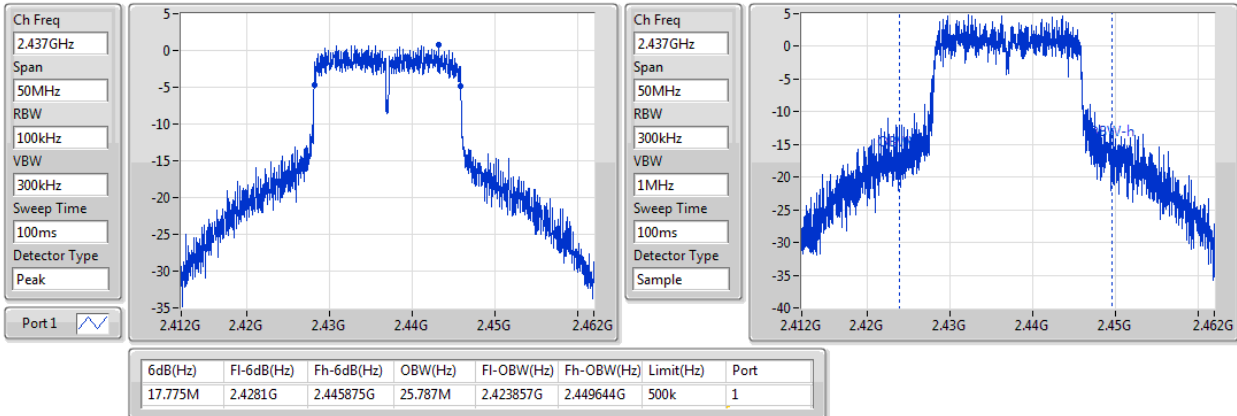
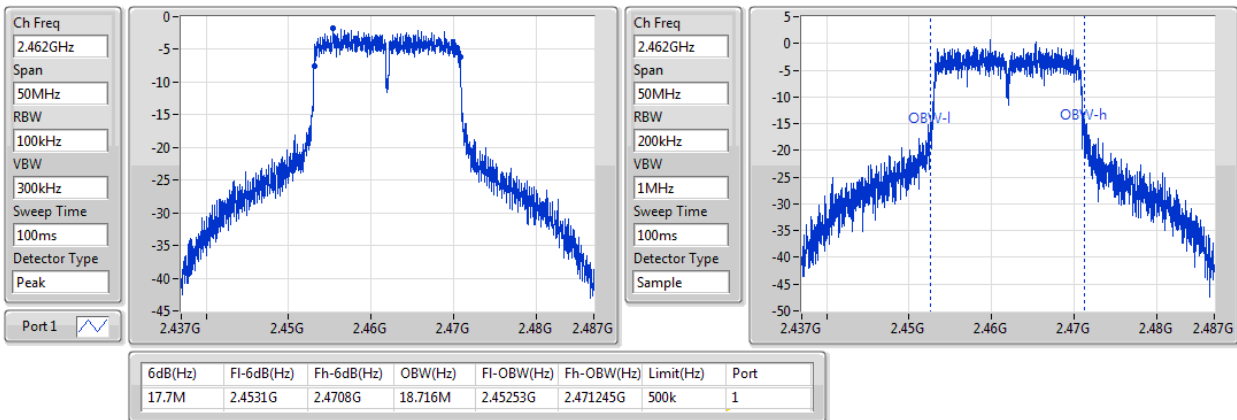
Result

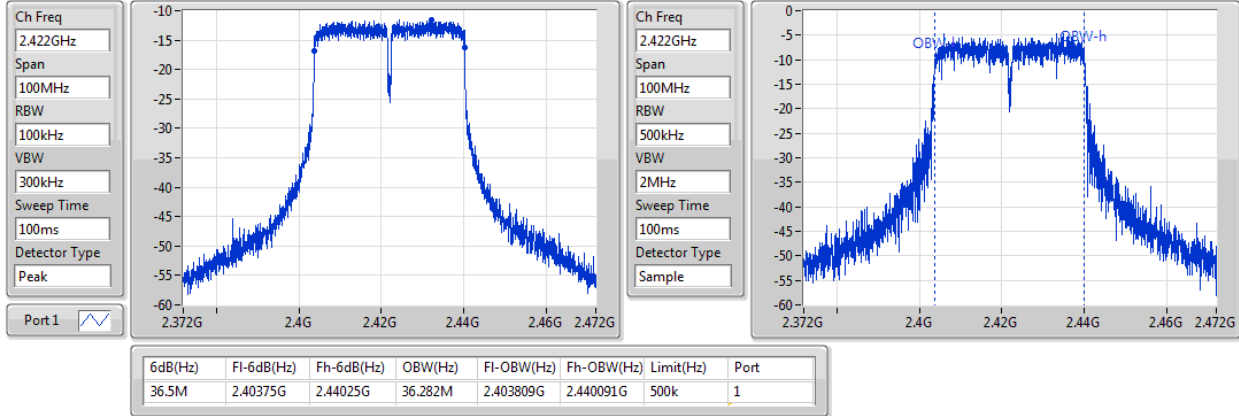
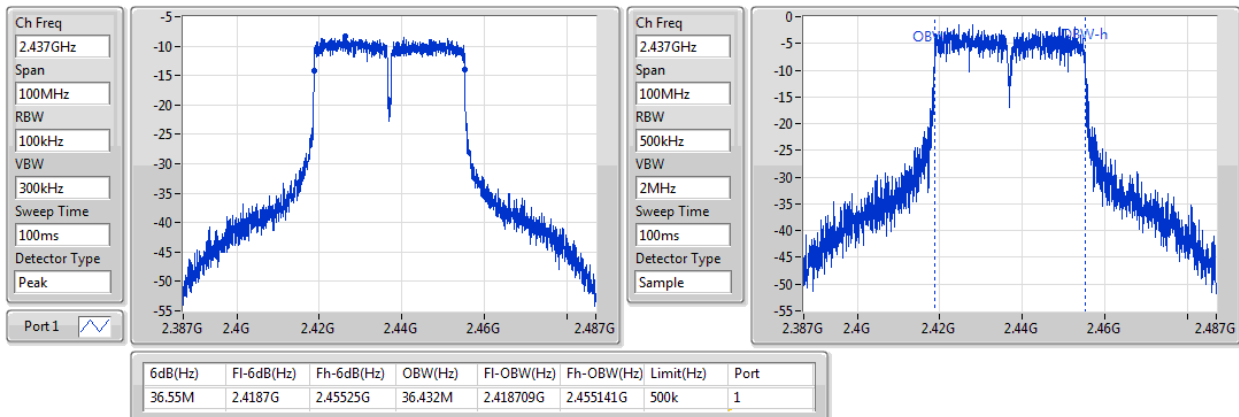
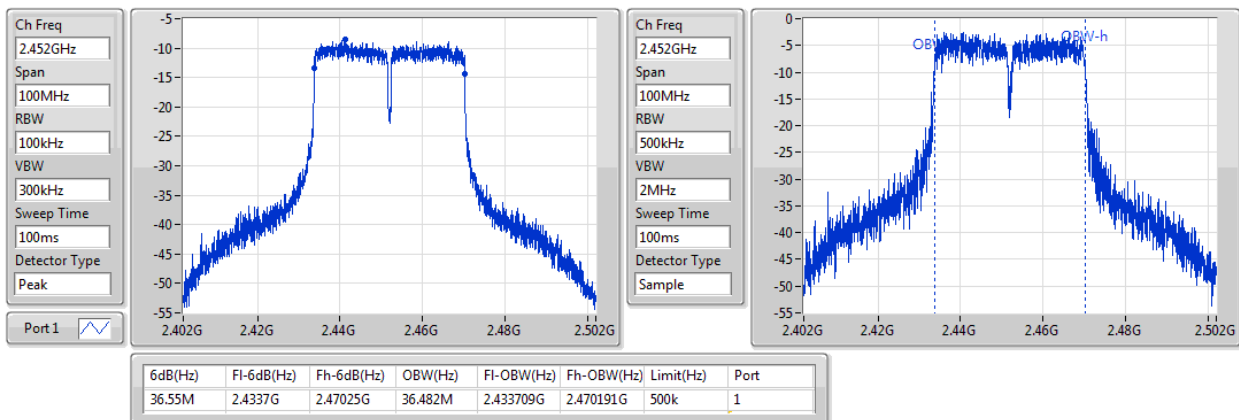
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	10.025M	14.043M
2437MHz	Pass	500k	10.05M	13.918M
2462MHz	Pass	500k	10.05M	14.018M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.55M	16.592M
2437MHz	Pass	500k	16.525M	22.064M
2462MHz	Pass	500k	16.525M	21.264M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.775M	17.791M
2437MHz	Pass	500k	17.775M	25.787M
2462MHz	Pass	500k	17.7M	18.716M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	36.5M	36.282M
2437MHz	Pass	500k	36.55M	36.432M
2452MHz	Pass	500k	36.55M	36.482M

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

802.11b_Nss1,(1Mbps)_1TX
EBW
2412MHz

802.11b_Nss1,(1Mbps)_1TX
EBW
2437MHz

802.11b_Nss1,(1Mbps)_1TX
EBW
2462MHz


802.11g_Nss1,(6Mbps)_1TX
EBW
2412MHz

802.11g_Nss1,(6Mbps)_1TX
EBW
2437MHz

802.11g_Nss1,(6Mbps)_1TX
EBW
2462MHz


802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz


**Summary**

Mode	Total Power (dBm)	Total Power (W)
802.11b_Nss1,(1Mbps)_1TX	-	-
2.4-2.4835GHz	11.15	0.01303
802.11g_Nss1,(6Mbps)_1TX	-	-
2.4-2.4835GHz	14.88	0.03076
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	15.43	0.03491
802.11n HT40_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	9.98	0.00995

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	11.15	11.15	30.00
2437MHz	Pass	2.00	8.03	8.03	30.00
2462MHz	Pass	2.00	9.69	9.69	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	9.64	9.64	30.00
2437MHz	Pass	2.00	14.88	14.88	30.00
2462MHz	Pass	2.00	14.26	14.26	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	10.00	10.00	30.00
2437MHz	Pass	2.00	15.43	15.43	30.00
2462MHz	Pass	2.00	12.91	12.91	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.00	6.86	6.86	30.00
2437MHz	Pass	2.00	9.98	9.98	30.00
2452MHz	Pass	2.00	9.38	9.38	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-
2.4-2.4835GHz	-13.47
802.11g_Nss1,(6Mbps)_1TX	-
2.4-2.4835GHz	-11.49
802.11n HT20_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-10.77
802.11n HT40_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-19.97

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-13.47	-13.47	8.00
2437MHz	Pass	2.00	-16.86	-16.86	8.00
2462MHz	Pass	2.00	-15.49	-15.49	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-17.00	-17.00	8.00
2437MHz	Pass	2.00	-12.18	-12.18	8.00
2462MHz	Pass	2.00	-11.49	-11.49	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	2.00	-16.31	-16.31	8.00
2437MHz	Pass	2.00	-10.77	-10.77	8.00
2462MHz	Pass	2.00	-14.84	-14.84	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	2.00	-23.21	-23.21	8.00
2437MHz	Pass	2.00	-20.38	-20.38	8.00
2452MHz	Pass	2.00	-19.97	-19.97	8.00

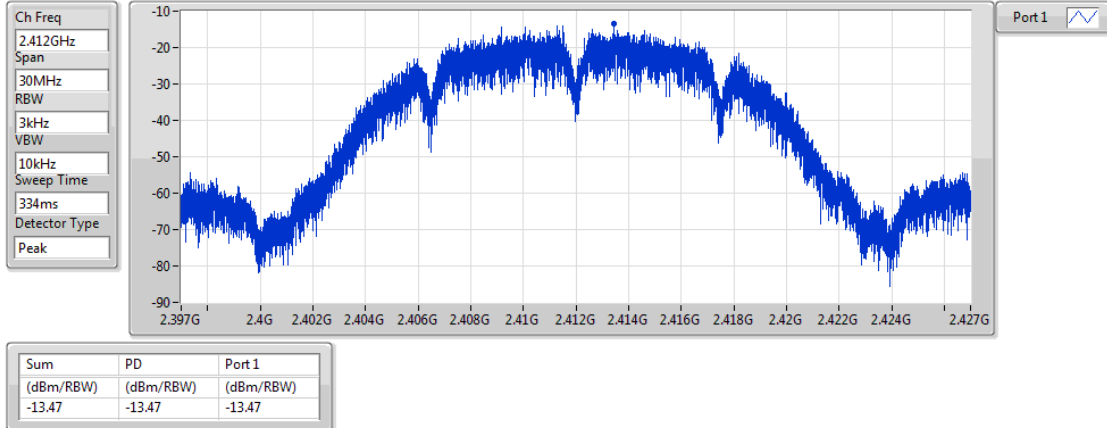
DG = Directional Gain; RBW=3kHz;

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX

PSD

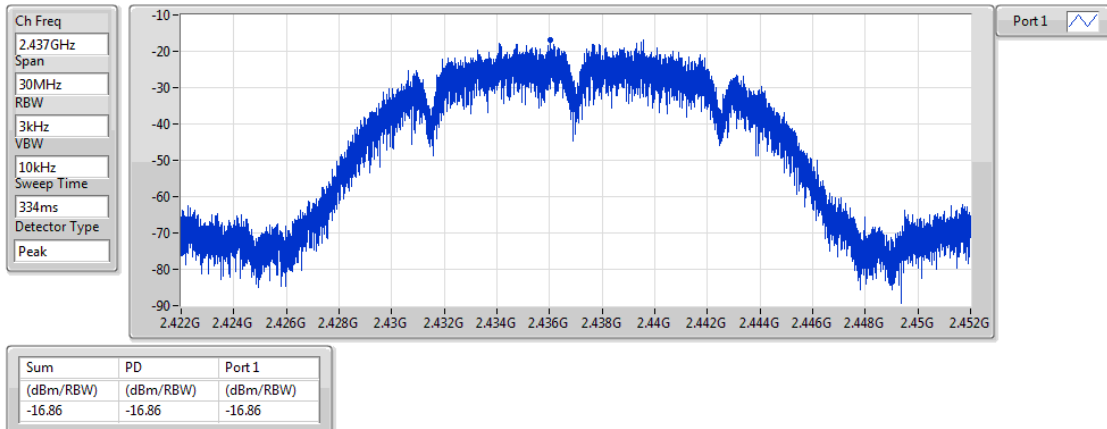
2412MHz



802.11b_Nss1,(1Mbps)_1TX

PSD

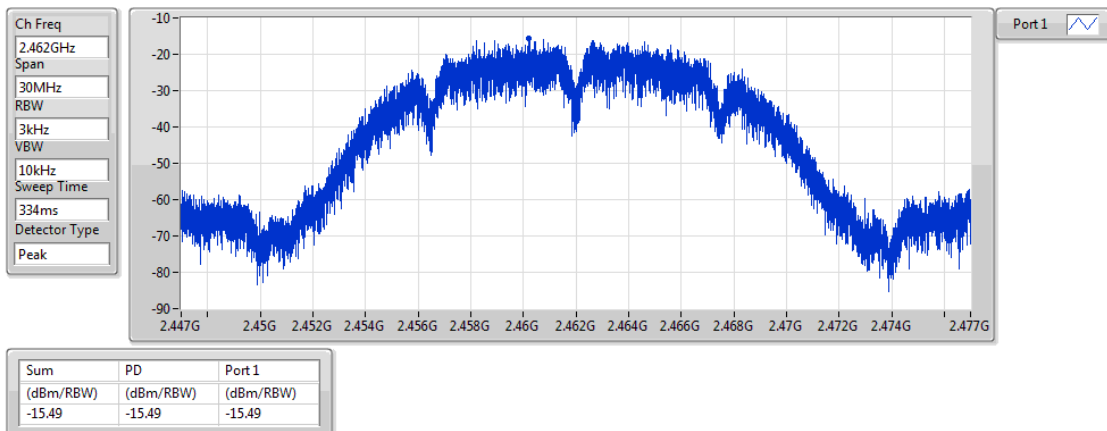
2437MHz



802.11b_Nss1,(1Mbps)_1TX

PSD

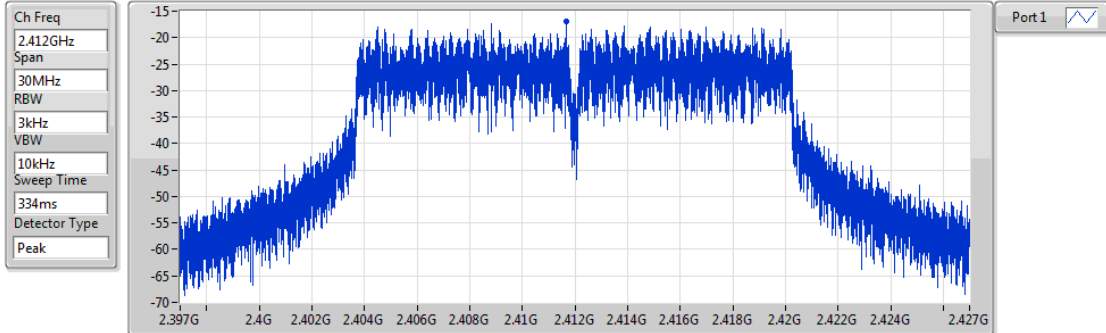
2462MHz



802.11g_Nss1,(6Mbps)_1TX

PSD

2412MHz

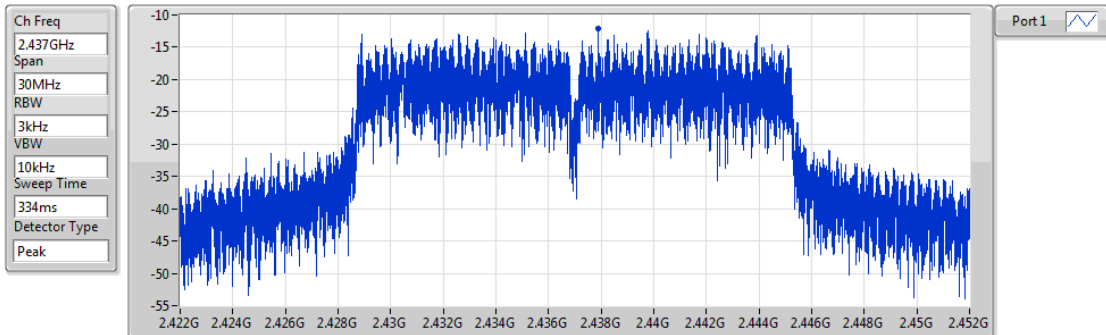


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.00	-17.00	-17.00

802.11g_Nss1,(6Mbps)_1TX

PSD

2437MHz

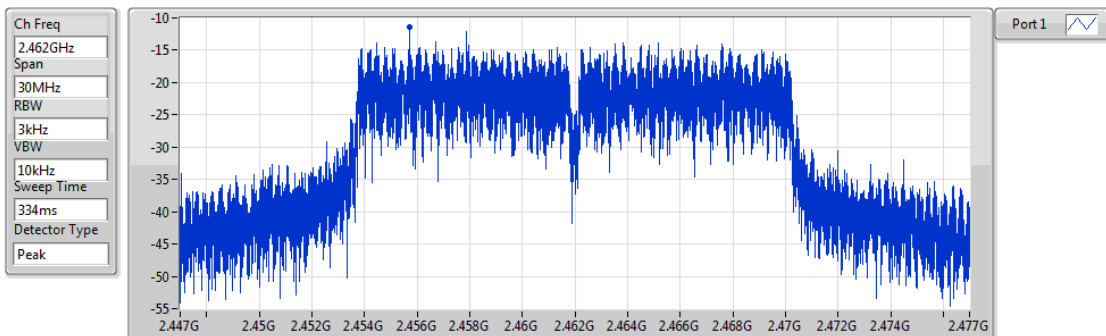


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.18	-12.18	-12.18

802.11g_Nss1,(6Mbps)_1TX

PSD

2462MHz

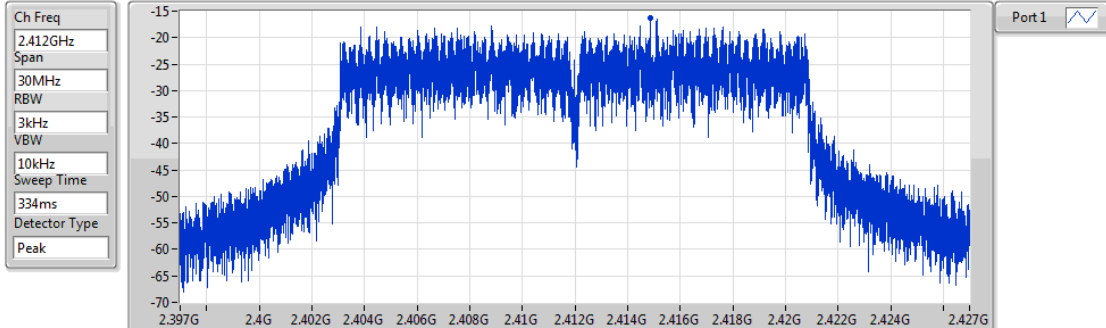


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.49	-11.49	-11.49

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

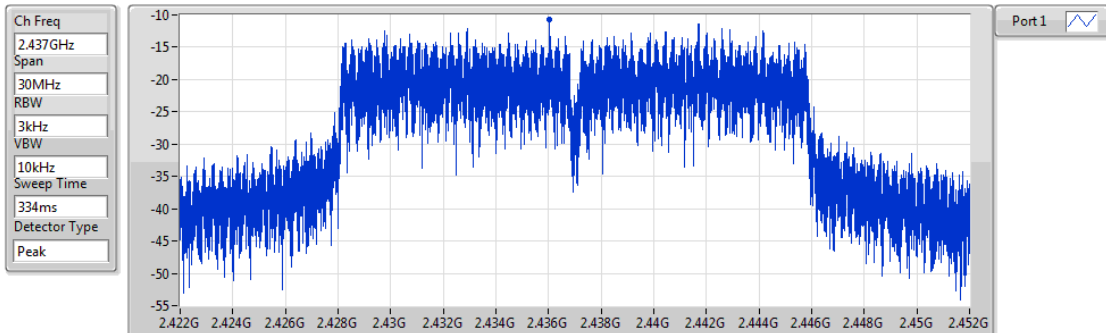


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.31	-16.31	-16.31

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

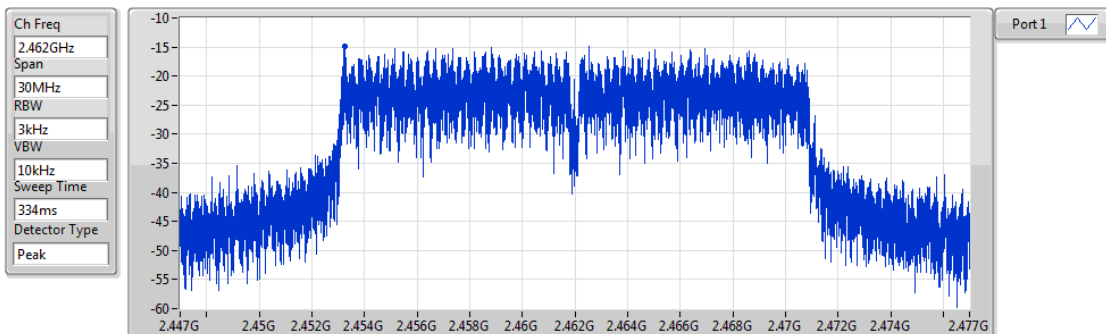


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-10.77	-10.77	-10.77

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

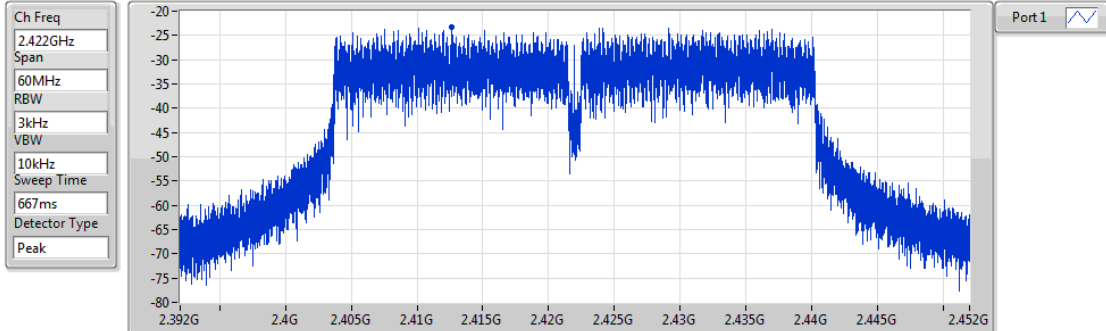


Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.84	-14.84	-14.84

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

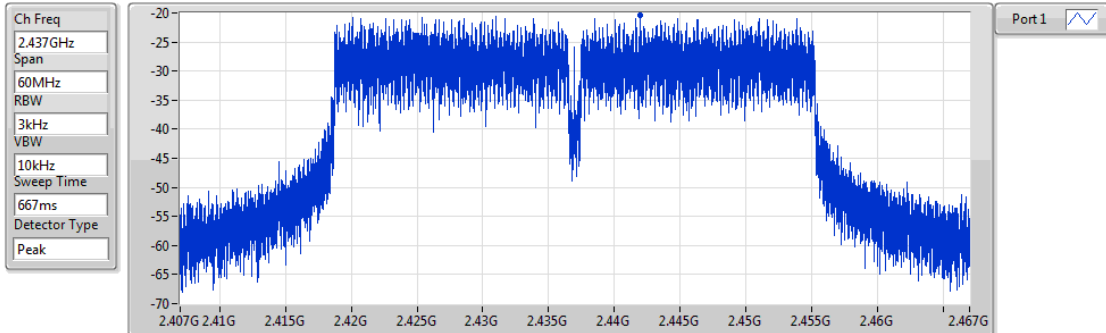


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-23.21	-23.21	-23.21

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

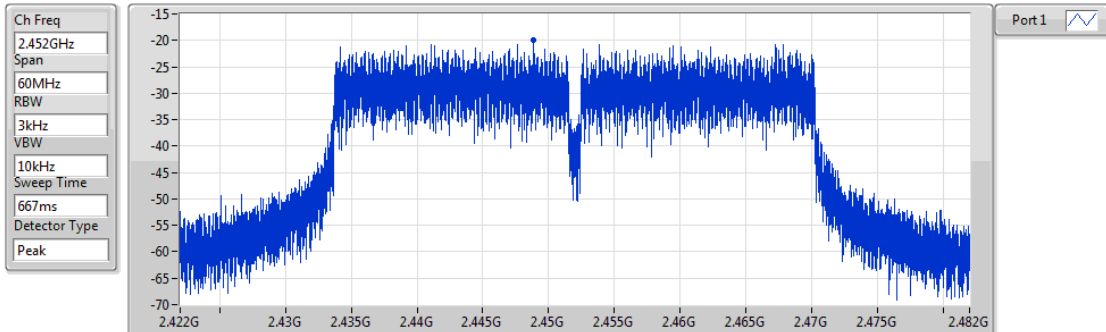


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-20.38	-20.38	-20.38

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-19.97	-19.97	-19.97

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.432398G	6.17	-23.83	2.30641G	-57.31	2.39808G	-51.96	2.48358G	-24.61	2.5235G	-51.47	1

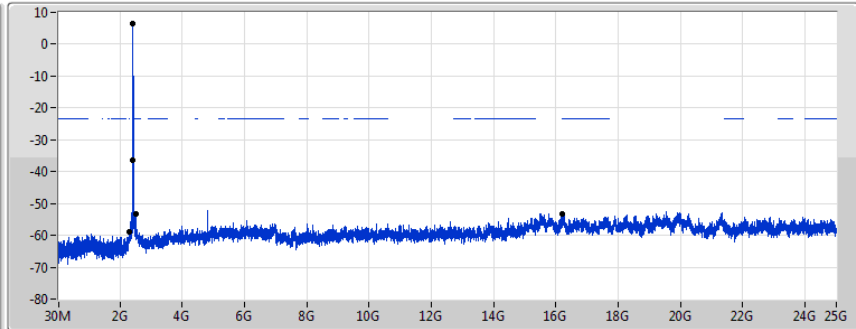
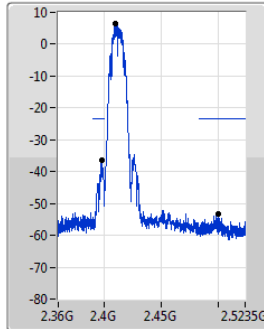
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.409853G	6.46	-23.54	2.30641G	-58.83	2.39856G	-36.55	2.50038G	-53.31	16.20045G	-53.27	1
2437MHz	Pass	2.409853G	6.46	-23.54	845.5M	-59.86	2.39896G	-55.01	2.52302G	-56.87	16.259451G	-53.71	1
2462MHz	Pass	2.409853G	6.46	-23.54	2.30874G	-60.34	2.39936G	-55.29	2.50254G	-54.09	16.262261G	-53.21	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.432398G	6.17	-23.83	2.305245G	-57.46	2.39992G	-27.03	2.50062G	-53.18	16.784839G	-53.49	1
2437MHz	Pass	2.432398G	6.17	-23.83	2.309905G	-52.50	2.39728G	-39.99	2.4851G	-50.20	17.610851G	-52.83	1
2462MHz	Pass	2.432398G	6.17	-23.83	2.30641G	-57.31	2.39808G	-51.96	2.48358G	-24.61	2.5235G	-51.47	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43841G	6.60	-23.40	2.30874G	-58.86	2.39904G	-28.67	2.4923G	-53.61	23.227166G	-53.58	1
2437MHz	Pass	2.43841G	6.60	-23.40	2.309905G	-56.14	2.39992G	-34.84	2.48702G	-45.03	16.234165G	-53.55	1
2462MHz	Pass	2.43841G	6.60	-23.40	2.307575G	-55.90	2.39872G	-53.18	2.48382G	-25.38	15.205865G	-52.24	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.425384G	-2.07	-32.07	2.309695G	-59.35	2.39968G	-32.88	2.51982G	-54.21	23.177034G	-53.74	1
2437MHz	Pass	2.425384G	-2.07	-32.07	2.30397G	-57.99	2.39984G	-33.36	2.4843G	-40.09	16.213306G	-53.60	1
2452MHz	Pass	2.425384G	-2.07	-32.07	2.30855G	-58.76	2.39984G	-49.54	2.4891G	-35.11	16.611554G	-53.34	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2412MHz

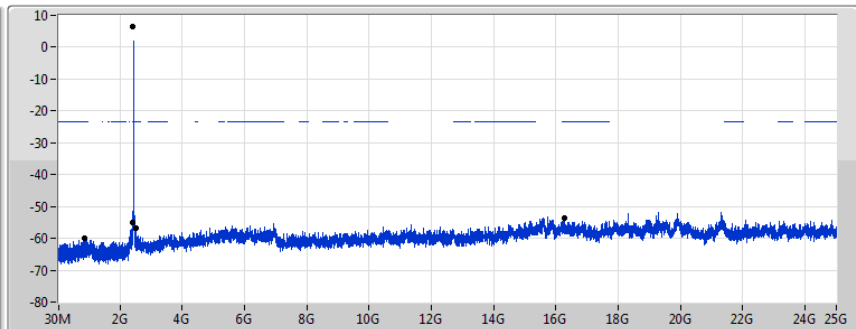
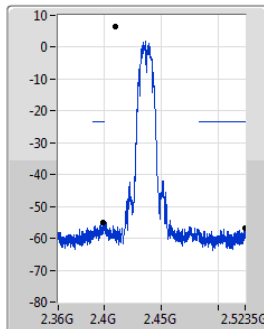


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.409853G	6.46	-23.54	2.30641G	-58.83	2.39856G	-36.55	2.50038G	-53.31	16.20045G	-53.27	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2437MHz

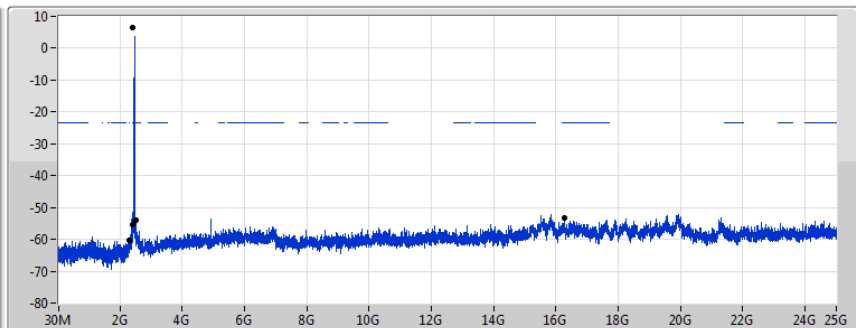
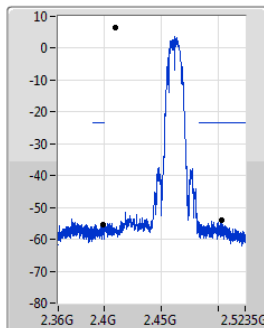


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.409853G	6.46	-23.54	845.5M	-59.86	2.39896G	-55.01	2.52302G	-56.87	16.259451G	-53.71	1

802.11b_Nss1,(1Mbps)_1TX

CSE NdB

2462MHz

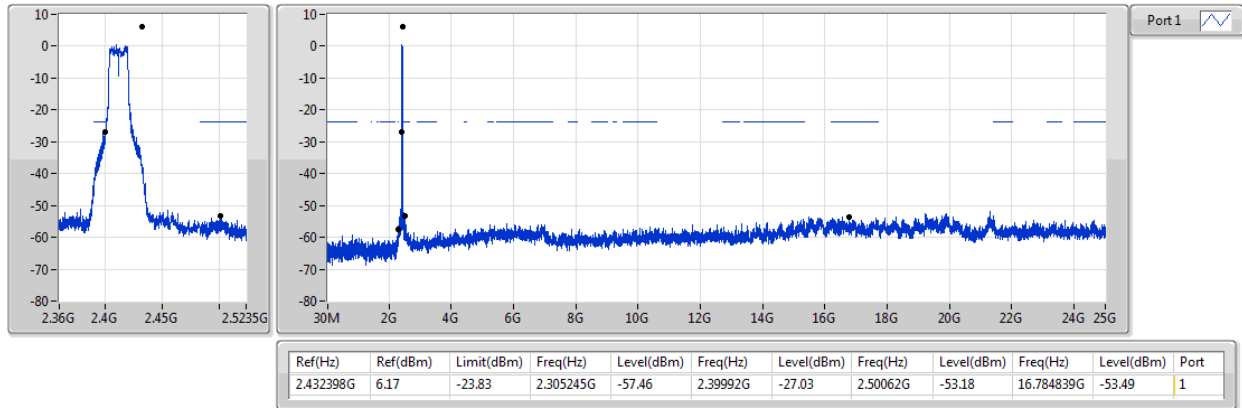


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.409853G	6.46	-23.54	2.30874G	-60.34	2.39936G	-55.29	2.50254G	-54.09	16.262261G	-53.21	1

802.11g_Nss1,(6Mbps)_1TX

CSE NdB

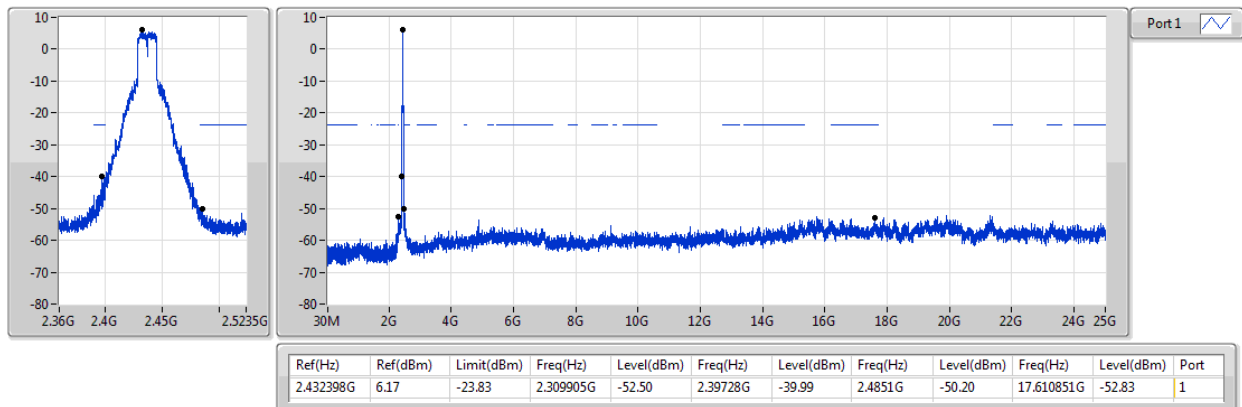
2412MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

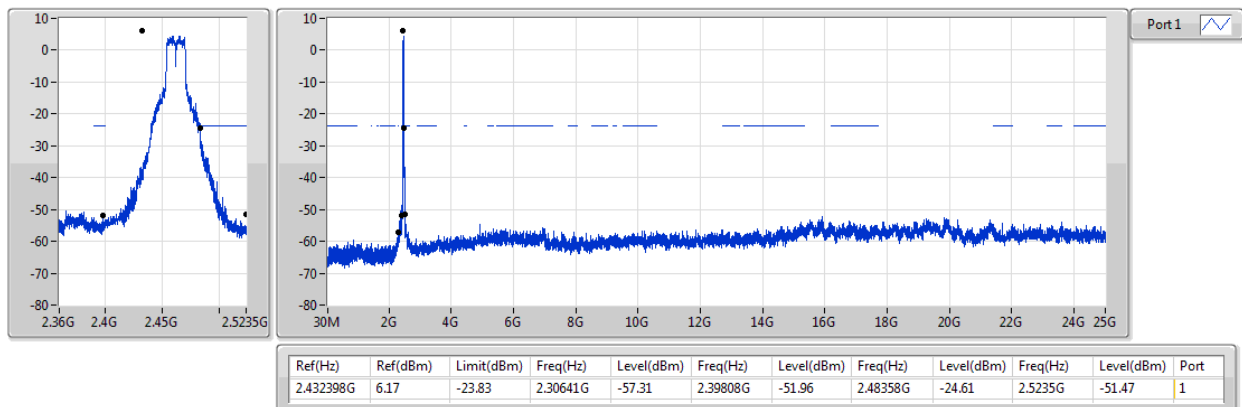
2437MHz



802.11g_Nss1,(6Mbps)_1TX

CSE NdB

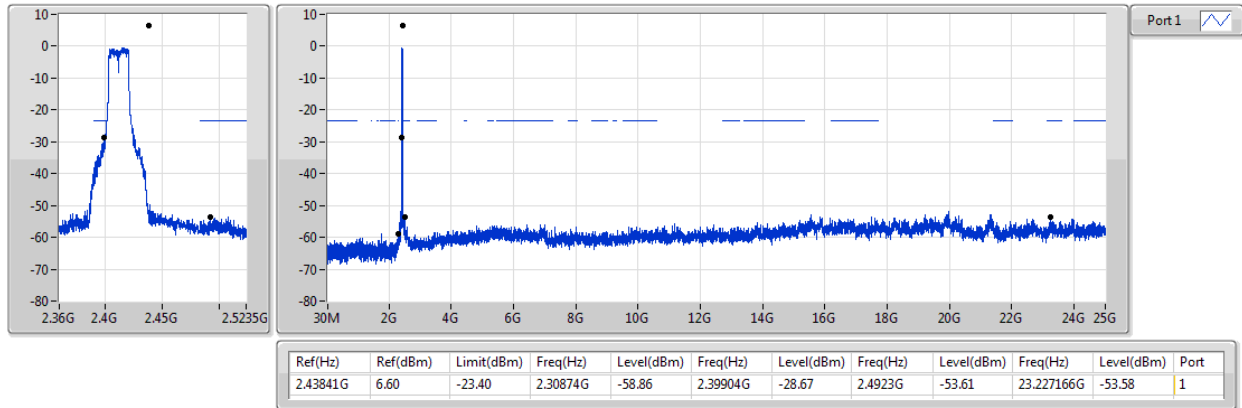
2462MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

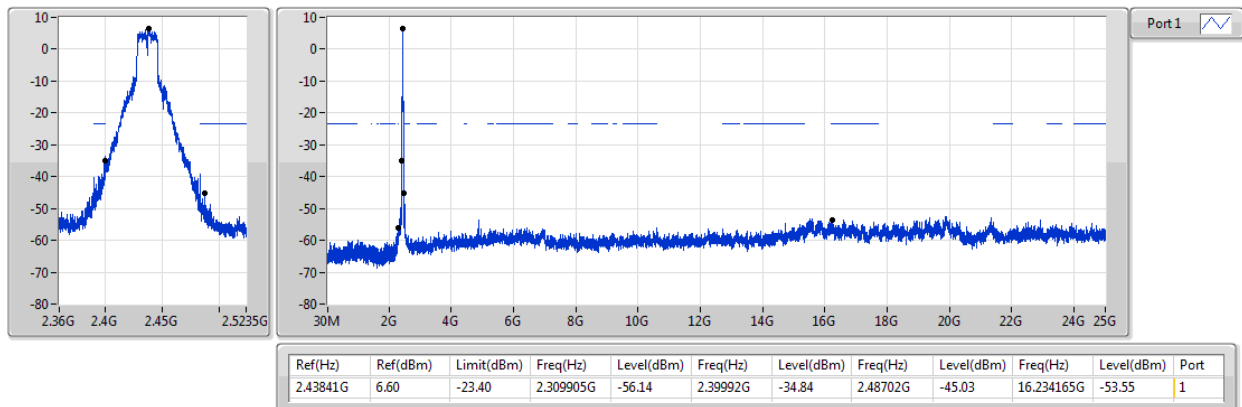
2412MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

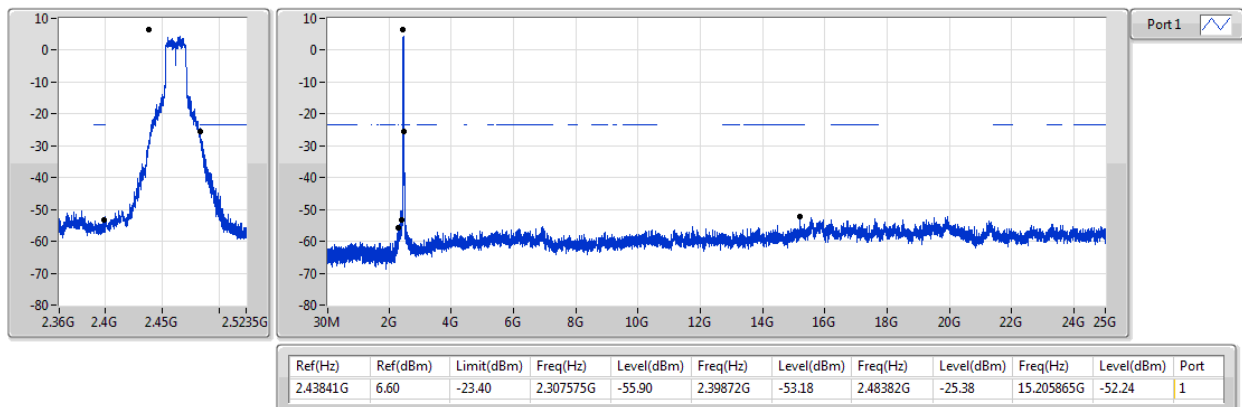
2437MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

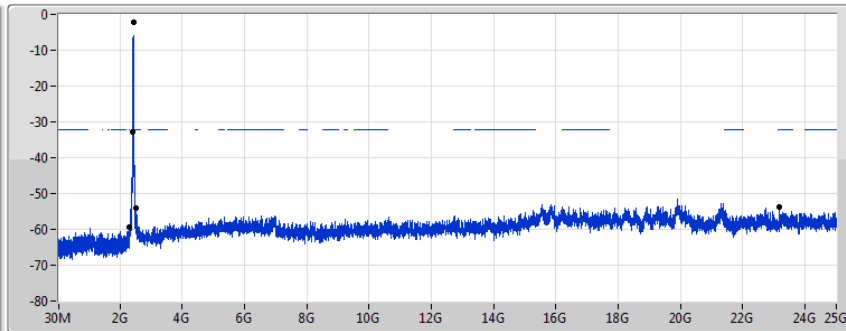
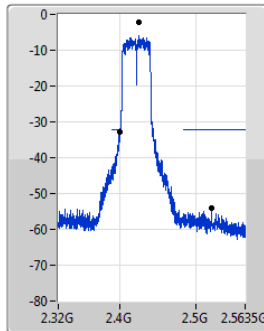
2462MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2422MHz

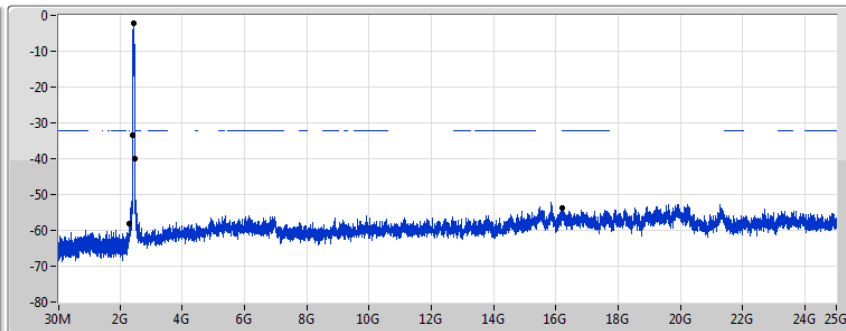
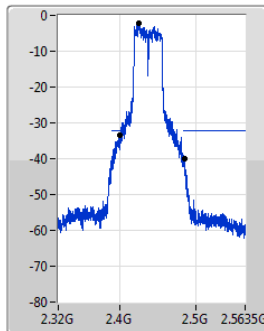


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425384G	-2.07	-32.07	2.309695G	-59.35	2.39968G	-32.88	2.51982G	-54.21	23.177034G	-53.74	1

802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2437MHz

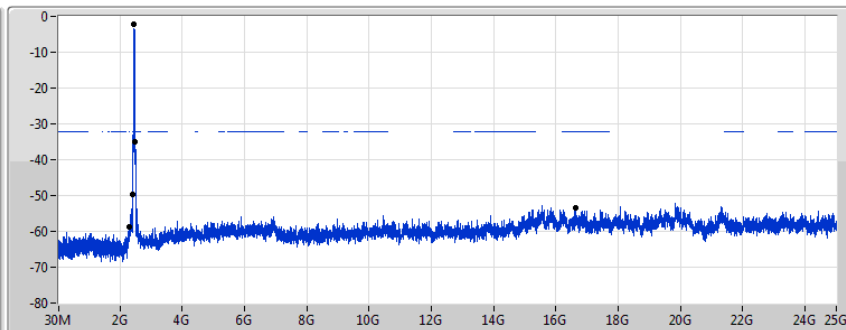
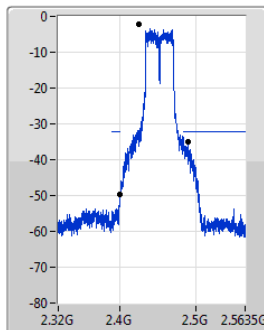


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425384G	-2.07	-32.07	2.30397G	-57.99	2.39984G	-33.36	2.4843G	-40.09	16.213306G	-53.60	1

802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.425384G	-2.07	-32.07	2.30855G	-58.76	2.39984G	-49.54	2.4891G	-35.11	16.611554G	-53.34	1

**Summary**

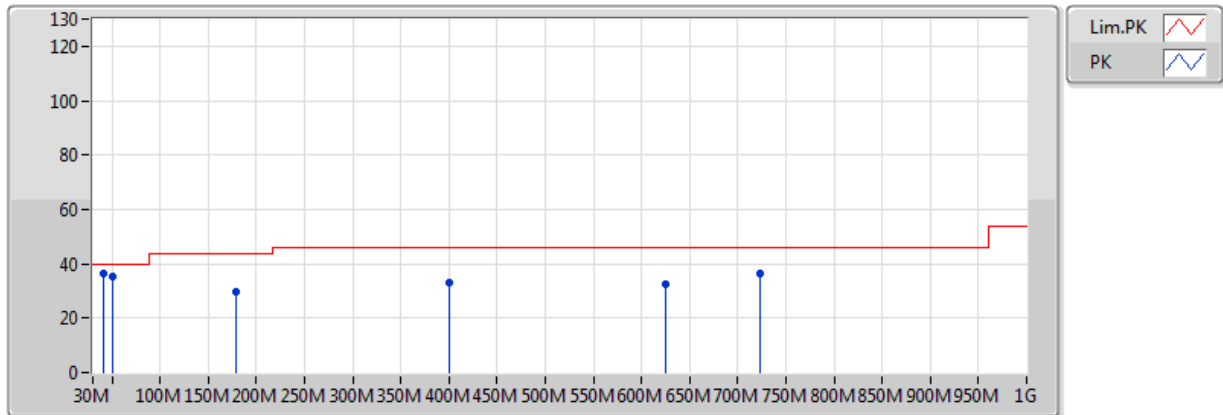
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	41.64M	36.33	40.00	-3.67	-9.99	3	Vertical	360	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	34.37	40.00	-5.63	-9.99	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	125.06M	29.38	43.50	-14.12	-8.94	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	179.38M	29.49	43.50	-14.01	-11.17	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	375.32M	29.50	46.00	-16.50	-4.78	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	400.54M	31.49	46.00	-14.51	-4.04	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	625.58M	30.83	46.00	-15.17	-0.96	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	41.64M	36.33	40.00	-3.67	-9.99	3	Vertical	360	1.00	-
2437MHz	Pass	PK	179.38M	29.43	43.50	-14.07	-11.17	3	Vertical	360	1.00	-
2437MHz	Pass	PK	400.54M	32.88	46.00	-13.12	-4.04	3	Vertical	360	1.00	-
2437MHz	Pass	PK	625.58M	32.61	46.00	-13.39	-0.96	3	Vertical	360	1.00	-
2437MHz	Pass	PK	722.58M	36.49	46.00	-9.51	0.12	3	Vertical	360	1.00	-
2437MHz	Pass	QP	51.34M	35.04	40.00	-4.96	-13.71	3	Vertical	344	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE

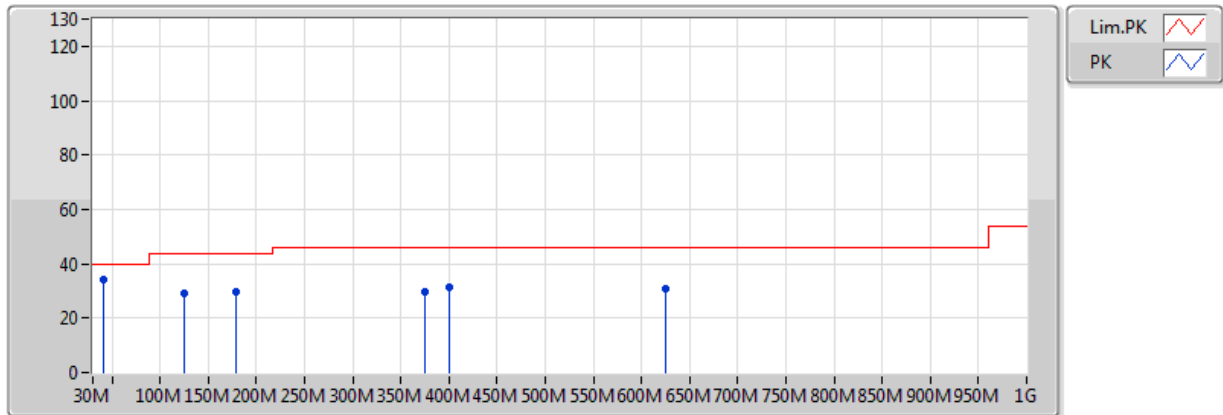


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	36.33	40.00	-3.67	-9.99	3	Vertical	360	1.00	-	46.32	16.75	0.94	27.68
PK	179.38M	29.43	43.50	-14.07	-11.17	3	Vertical	360	1.00	-	40.60	14.39	1.96	27.51
PK	400.54M	32.88	46.00	-13.12	-4.04	3	Vertical	360	1.00	-	36.92	20.92	3.00	27.96
PK	625.58M	32.61	46.00	-13.39	-0.96	3	Vertical	360	1.00	-	33.57	23.85	3.71	28.51
PK	722.58M	36.49	46.00	-9.51	0.12	3	Vertical	360	1.00	-	36.37	24.30	4.13	28.31
QP	51.34M	35.04	40.00	-4.96	-13.71	3	Vertical	344	1.00	-	48.75	12.89	0.97	27.56

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_PoE



EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
PK	41.64M	34.37	40.00	-5.63	-9.99	3	Horizontal	0	1.00	-	44.36	16.75	0.94	27.68
PK	125.06M	29.38	43.50	-14.12	-8.94	3	Horizontal	0	1.00	-	38.32	17.12	1.66	27.72
PK	179.38M	29.49	43.50	-14.01	-11.17	3	Horizontal	0	1.00	-	40.66	14.39	1.96	27.51
PK	375.32M	29.50	46.00	-16.50	-4.78	3	Horizontal	0	1.00	-	34.28	20.19	2.80	27.77
PK	400.54M	31.49	46.00	-14.51	-4.04	3	Horizontal	0	1.00	-	35.53	20.92	3.00	27.96
PK	625.58M	30.83	46.00	-15.17	-0.96	3	Horizontal	0	1.00	-	31.79	23.85	3.71	28.51

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.39G	53.89	54.00	-0.11	30.93	3	Horizontal	193	1.49	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	43.84	54.00	-10.16	30.93	3	Horizontal	204	1.50	-
2412MHz	Pass	AV	2.4138G	87.19	Inf	-Inf	31.02	3	Horizontal	204	1.50	-
2412MHz	Pass	PK	2.3822G	56.01	74.00	-17.99	30.91	3	Horizontal	204	1.50	-
2412MHz	Pass	PK	2.413G	90.74	Inf	-Inf	31.02	3	Horizontal	204	1.50	-
2412MHz	Pass	AV	2.388G	43.83	54.00	-10.17	30.93	3	Vertical	101	1.46	-
2412MHz	Pass	AV	2.4138G	86.77	Inf	-Inf	31.02	3	Vertical	101	1.46	-
2412MHz	Pass	PK	2.3862G	56.05	74.00	-17.95	30.92	3	Vertical	101	1.46	-
2412MHz	Pass	PK	2.413G	90.44	Inf	-Inf	31.02	3	Vertical	101	1.46	-
2412MHz	Pass	AV	4.824G	46.99	54.00	-7.01	2.16	3	Horizontal	123	1.01	-
2412MHz	Pass	PK	4.824G	50.89	74.00	-23.11	2.16	3	Horizontal	123	1.01	-
2412MHz	Pass	AV	4.824G	53.84	54.00	-0.16	2.16	3	Vertical	172	2.28	-
2412MHz	Pass	PK	4.824G	55.67	74.00	-18.33	2.16	3	Vertical	172	2.28	-
2437MHz	Pass	AV	2.3878G	43.90	54.00	-10.10	30.93	3	Horizontal	203	1.00	-
2437MHz	Pass	AV	2.4354G	84.27	Inf	-Inf	31.10	3	Horizontal	203	1.00	-
2437MHz	Pass	AV	2.4994G	44.43	54.00	-9.57	31.33	3	Horizontal	203	1.00	-
2437MHz	Pass	PK	2.3574G	54.88	74.00	-19.12	30.82	3	Horizontal	203	1.00	-
2437MHz	Pass	PK	2.4362G	88.13	Inf	-Inf	31.10	3	Horizontal	203	1.00	-
2437MHz	Pass	PK	2.4846G	55.58	74.00	-18.42	31.27	3	Horizontal	203	1.00	-
2437MHz	Pass	AV	2.3878G	43.91	54.00	-10.09	30.93	3	Vertical	278	1.01	-
2437MHz	Pass	AV	2.4354G	85.33	Inf	-Inf	31.10	3	Vertical	278	1.01	-
2437MHz	Pass	AV	2.4966G	44.43	54.00	-9.57	31.32	3	Vertical	278	1.01	-
2437MHz	Pass	PK	2.389998G	54.25	74.00	-19.75	30.93	3	Vertical	278	1.01	-
2437MHz	Pass	PK	2.4362G	89.10	Inf	-Inf	31.10	3	Vertical	278	1.01	-
2437MHz	Pass	PK	2.4978G	54.44	74.00	-19.56	31.32	3	Vertical	278	1.01	-
2437MHz	Pass	AV	4.874G	47.40	54.00	-6.60	2.32	3	Horizontal	116	1.02	-
2437MHz	Pass	PK	4.874G	51.29	74.00	-22.71	2.32	3	Horizontal	116	1.02	-
2437MHz	Pass	AV	4.874G	53.61	54.00	-0.39	2.32	3	Vertical	171	2.37	-
2437MHz	Pass	PK	4.874G	55.71	74.00	-18.29	2.32	3	Vertical	171	2.37	-
2462MHz	Pass	AV	2.4602G	82.09	Inf	-Inf	31.19	3	Horizontal	341	1.05	-
2462MHz	Pass	AV	2.4996G	44.41	54.00	-9.59	31.33	3	Horizontal	341	1.05	-
2462MHz	Pass	PK	2.4606G	85.91	Inf	-Inf	31.19	3	Horizontal	341	1.05	-
2462MHz	Pass	PK	2.4936G	54.92	74.00	-19.08	31.31	3	Horizontal	341	1.05	-
2462MHz	Pass	AV	2.4602G	83.06	Inf	-Inf	31.19	3	Vertical	268	1.02	-
2462MHz	Pass	AV	2.4966G	44.53	54.00	-9.47	31.32	3	Vertical	268	1.02	-
2462MHz	Pass	PK	2.4606G	86.75	Inf	-Inf	31.19	3	Vertical	268	1.02	-
2462MHz	Pass	PK	2.497G	55.17	74.00	-18.83	31.32	3	Vertical	268	1.02	-
2462MHz	Pass	AV	4.924G	46.84	54.00	-7.16	2.48	3	Horizontal	109	1.06	-
2462MHz	Pass	PK	4.924G	50.91	74.00	-23.09	2.48	3	Horizontal	109	1.06	-
2462MHz	Pass	AV	4.924G	53.60	54.00	-0.40	2.48	3	Vertical	172	2.47	-
2462MHz	Pass	PK	4.924G	56.01	74.00	-17.99	2.48	3	Vertical	172	2.47	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.38	54.00	-0.62	30.93	3	Horizontal	199	1.50	-
2412MHz	Pass	AV	2.4172G	87.48	Inf	-Inf	31.03	3	Horizontal	199	1.50	-
2412MHz	Pass	PK	2.3898G	71.08	74.00	-2.92	30.93	3	Horizontal	199	1.50	-
2412MHz	Pass	PK	2.4166G	99.08	Inf	-Inf	31.03	3	Horizontal	199	1.50	-
2412MHz	Pass	AV	2.39G	50.28	54.00	-3.72	30.93	3	Vertical	116	1.15	-
2412MHz	Pass	AV	2.417G	84.78	Inf	-Inf	31.03	3	Vertical	116	1.15	-



RSE TX above 1GHz Result

Appendix F.2

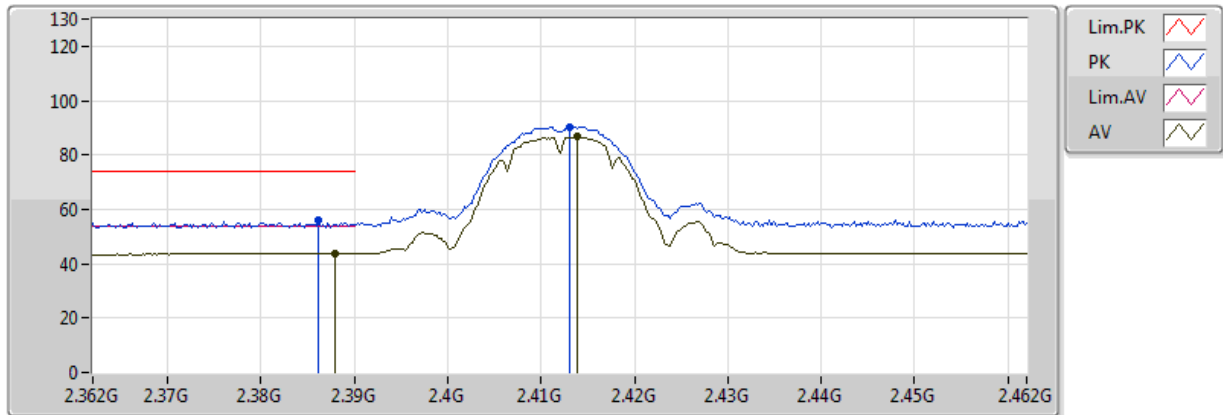
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.3896G	67.48	74.00	-6.52	30.93	3	Vertical	116	1.15	-
2412MHz	Pass	PK	2.417G	94.77	Inf	-Inf	31.03	3	Vertical	116	1.15	-
2412MHz	Pass	AV	4.8243G	38.65	54.00	-15.35	2.17	3	Horizontal	123	1.10	-
2412MHz	Pass	PK	4.8233G	53.75	74.00	-20.25	2.16	3	Horizontal	123	1.10	-
2412MHz	Pass	AV	4.8259G	44.99	54.00	-9.01	2.17	3	Vertical	182	3.69	-
2412MHz	Pass	PK	4.8243G	59.17	74.00	-14.83	2.17	3	Vertical	182	3.69	-
2437MHz	Pass	AV	2.389998G	44.51	54.00	-9.49	30.93	3	Horizontal	309	2.62	-
2437MHz	Pass	AV	2.4298G	87.32	Inf	-Inf	31.08	3	Horizontal	309	2.62	-
2437MHz	Pass	AV	2.4978G	44.48	54.00	-9.52	31.32	3	Horizontal	309	2.62	-
2437MHz	Pass	PK	2.3886G	54.53	74.00	-19.47	30.93	3	Horizontal	309	2.62	-
2437MHz	Pass	PK	2.4298G	96.84	Inf	-Inf	31.08	3	Horizontal	309	2.62	-
2437MHz	Pass	PK	2.483502G	54.56	74.00	-19.44	31.27	3	Horizontal	309	2.62	-
2437MHz	Pass	AV	2.389998G	44.26	54.00	-9.74	30.93	3	Vertical	123	1.48	-
2437MHz	Pass	AV	2.4302G	84.10	Inf	-Inf	31.08	3	Vertical	123	1.48	-
2437MHz	Pass	AV	2.499G	44.43	54.00	-9.57	31.33	3	Vertical	123	1.48	-
2437MHz	Pass	PK	2.389G	55.57	74.00	-18.43	30.93	3	Vertical	123	1.48	-
2437MHz	Pass	PK	2.4302G	94.14	Inf	-Inf	31.08	3	Vertical	123	1.48	-
2437MHz	Pass	PK	2.499G	55.65	74.00	-18.35	31.33	3	Vertical	123	1.48	-
2437MHz	Pass	AV	4.8737G	47.75	54.00	-6.25	2.32	3	Horizontal	108	1.01	-
2437MHz	Pass	PK	4.8743G	61.29	74.00	-12.71	2.32	3	Horizontal	108	1.01	-
2437MHz	Pass	AV	4.8746G	53.39	54.00	-0.61	2.32	3	Vertical	164	2.37	-
2437MHz	Pass	PK	4.8726G	66.86	74.00	-7.14	2.32	3	Vertical	164	2.37	-
2462MHz	Pass	AV	2.4572G	84.77	Inf	-Inf	31.18	3	Horizontal	201	1.00	-
2462MHz	Pass	AV	2.483502G	53.42	54.00	-0.58	31.27	3	Horizontal	201	1.00	-
2462MHz	Pass	PK	2.4588G	95.57	Inf	-Inf	31.18	3	Horizontal	201	1.00	-
2462MHz	Pass	PK	2.4838G	70.52	74.00	-3.48	31.27	3	Horizontal	201	1.00	-
2462MHz	Pass	AV	2.4568G	83.35	Inf	-Inf	31.17	3	Vertical	267	1.04	-
2462MHz	Pass	AV	2.483502G	51.86	54.00	-2.14	31.27	3	Vertical	267	1.04	-
2462MHz	Pass	PK	2.458G	93.41	Inf	-Inf	31.18	3	Vertical	267	1.04	-
2462MHz	Pass	PK	2.4836G	68.23	74.00	-5.77	31.27	3	Vertical	267	1.04	-
2462MHz	Pass	AV	4.9248G	47.21	54.00	-6.79	2.48	3	Horizontal	103	1.06	-
2462MHz	Pass	PK	4.9262G	61.17	74.00	-12.83	2.48	3	Horizontal	103	1.06	-
2462MHz	Pass	AV	4.9238G	53.06	54.00	-0.94	2.48	3	Vertical	142	3.52	-
2462MHz	Pass	PK	4.9245G	66.84	74.00	-7.16	2.48	3	Vertical	142	3.52	-
802.11n HT20_Nss1_(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.04	54.00	-0.96	30.93	3	Horizontal	197	1.50	-
2412MHz	Pass	AV	2.4166G	86.76	Inf	-Inf	31.03	3	Horizontal	197	1.50	-
2412MHz	Pass	PK	2.3898G	70.82	74.00	-3.18	30.93	3	Horizontal	197	1.50	-
2412MHz	Pass	PK	2.4158G	96.96	Inf	-Inf	31.03	3	Horizontal	197	1.50	-
2412MHz	Pass	AV	2.39G	49.92	54.00	-4.08	30.93	3	Vertical	89	1.15	-
2412MHz	Pass	AV	2.4064G	83.48	Inf	-Inf	30.99	3	Vertical	89	1.15	-
2412MHz	Pass	PK	2.3896G	67.70	74.00	-6.30	30.93	3	Vertical	89	1.15	-
2412MHz	Pass	PK	2.4064G	94.25	Inf	-Inf	30.99	3	Vertical	89	1.15	-
2412MHz	Pass	AV	4.826G	40.18	54.00	-13.82	2.17	3	Horizontal	100	1.02	-
2412MHz	Pass	PK	4.8323G	55.67	74.00	-18.33	2.19	3	Horizontal	100	1.02	-
2412MHz	Pass	AV	4.826G	45.64	54.00	-8.36	2.17	3	Vertical	153	2.40	-
2412MHz	Pass	PK	4.828G	60.61	74.00	-13.39	2.18	3	Vertical	153	2.40	-
2437MHz	Pass	AV	2.389998G	45.16	54.00	-8.84	30.93	3	Horizontal	306	2.60	-
2437MHz	Pass	AV	2.4302G	88.28	Inf	-Inf	31.08	3	Horizontal	306	2.60	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4858G	44.46	54.00	-9.54	31.28	3	Horizontal	306	2.60	-
2437MHz	Pass	PK	2.3878G	58.00	74.00	-16.00	30.93	3	Horizontal	306	2.60	-
2437MHz	Pass	PK	2.4334G	98.19	Inf	-Inf	31.09	3	Horizontal	306	2.60	-
2437MHz	Pass	PK	2.485G	55.21	74.00	-18.79	31.28	3	Horizontal	306	2.60	-
2437MHz	Pass	AV	2.389998G	44.67	54.00	-9.33	30.93	3	Vertical	132	1.18	-
2437MHz	Pass	AV	2.4302G	84.49	Inf	-Inf	31.08	3	Vertical	132	1.18	-
2437MHz	Pass	AV	2.497G	44.37	54.00	-9.63	31.32	3	Vertical	132	1.18	-
2437MHz	Pass	PK	2.3874G	57.07	74.00	-16.93	30.93	3	Vertical	132	1.18	-
2437MHz	Pass	PK	2.4314G	94.62	Inf	-Inf	31.08	3	Vertical	132	1.18	-
2437MHz	Pass	PK	2.485G	55.52	74.00	-18.48	31.28	3	Vertical	132	1.18	-
2437MHz	Pass	AV	4.8736G	48.09	54.00	-5.91	2.32	3	Horizontal	93	1.02	-
2437MHz	Pass	PK	4.8749G	62.22	74.00	-11.78	2.32	3	Horizontal	93	1.02	-
2437MHz	Pass	AV	4.8751G	53.34	54.00	-0.66	2.32	3	Vertical	153	2.37	-
2437MHz	Pass	PK	4.8742G	67.08	74.00	-6.92	2.32	3	Vertical	153	2.37	-
2462MHz	Pass	AV	2.4582G	82.92	Inf	-Inf	31.18	3	Horizontal	337	1.45	-
2462MHz	Pass	AV	2.483502G	53.86	54.00	-0.14	31.27	3	Horizontal	337	1.45	-
2462MHz	Pass	PK	2.4566G	92.99	Inf	-Inf	31.17	3	Horizontal	337	1.45	-
2462MHz	Pass	PK	2.4842G	69.70	74.00	-4.30	31.27	3	Horizontal	337	1.45	-
2462MHz	Pass	AV	2.456G	83.19	Inf	-Inf	31.17	3	Vertical	268	1.04	-
2462MHz	Pass	AV	2.483502G	53.09	54.00	-0.91	31.27	3	Vertical	268	1.04	-
2462MHz	Pass	PK	2.4576G	93.38	Inf	-Inf	31.18	3	Vertical	268	1.04	-
2462MHz	Pass	PK	2.484G	68.67	74.00	-5.33	31.27	3	Vertical	268	1.04	-
2462MHz	Pass	AV	4.9238G	46.28	54.00	-7.72	2.48	3	Horizontal	122	2.23	-
2462MHz	Pass	PK	4.9259G	61.43	74.00	-12.57	2.48	3	Horizontal	122	2.23	-
2462MHz	Pass	AV	4.9236G	52.44	54.00	-1.56	2.48	3	Vertical	183	3.52	-
2462MHz	Pass	PK	4.9261G	66.85	74.00	-7.15	2.48	3	Vertical	183	3.52	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.89	54.00	-0.11	30.93	3	Horizontal	193	1.49	-
2422MHz	Pass	AV	2.4164G	82.20	Inf	-Inf	31.03	3	Horizontal	193	1.49	-
2422MHz	Pass	AV	2.4996G	44.45	54.00	-9.55	31.33	3	Horizontal	193	1.49	-
2422MHz	Pass	PK	2.3892G	68.93	74.00	-5.07	30.93	3	Horizontal	193	1.49	-
2422MHz	Pass	PK	2.418G	92.87	Inf	-Inf	31.03	3	Horizontal	193	1.49	-
2422MHz	Pass	PK	2.5G	56.19	74.00	-17.81	31.33	3	Horizontal	193	1.49	-
2422MHz	Pass	AV	2.39G	50.53	54.00	-3.47	30.93	3	Vertical	120	1.24	-
2422MHz	Pass	AV	2.4068G	78.68	Inf	-Inf	30.99	3	Vertical	120	1.24	-
2422MHz	Pass	AV	2.4984G	44.43	54.00	-9.57	31.32	3	Vertical	120	1.24	-
2422MHz	Pass	PK	2.386G	65.12	74.00	-8.88	30.92	3	Vertical	120	1.24	-
2422MHz	Pass	PK	2.406G	89.46	Inf	-Inf	30.99	3	Vertical	120	1.24	-
2422MHz	Pass	PK	2.4984G	56.10	74.00	-17.90	31.32	3	Vertical	120	1.24	-
2422MHz	Pass	AV	4.8438G	35.52	54.00	-18.48	2.23	3	Horizontal	123	1.01	-
2422MHz	Pass	PK	4.8432G	49.18	74.00	-24.82	2.22	3	Horizontal	123	1.01	-
2422MHz	Pass	AV	4.8442G	40.59	54.00	-13.41	2.23	3	Vertical	158	3.46	-
2422MHz	Pass	PK	4.8428G	54.85	74.00	-19.15	2.22	3	Vertical	158	3.46	-
2437MHz	Pass	AV	2.389998G	53.37	54.00	-0.63	30.93	3	Horizontal	189	1.50	-
2437MHz	Pass	AV	2.4198G	83.55	Inf	-Inf	31.04	3	Horizontal	189	1.50	-
2437MHz	Pass	AV	2.483502G	48.77	54.00	-5.23	31.27	3	Horizontal	189	1.50	-
2437MHz	Pass	PK	2.3882G	70.72	74.00	-3.28	30.93	3	Horizontal	189	1.50	-
2437MHz	Pass	PK	2.425G	94.65	Inf	-Inf	31.06	3	Horizontal	189	1.50	-
2437MHz	Pass	PK	2.483502G	64.94	74.00	-9.06	31.27	3	Horizontal	189	1.50	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.389998G	49.64	54.00	-4.36	30.93	3	Vertical	122	1.49	-
2437MHz	Pass	AV	2.4202G	79.92	Inf	-Inf	31.04	3	Vertical	122	1.49	-
2437MHz	Pass	AV	2.483502G	46.45	54.00	-7.55	31.27	3	Vertical	122	1.49	-
2437MHz	Pass	PK	2.3874G	64.64	74.00	-9.36	30.93	3	Vertical	122	1.49	-
2437MHz	Pass	PK	2.423G	90.06	Inf	-Inf	31.05	3	Vertical	122	1.49	-
2437MHz	Pass	PK	2.4838G	61.01	74.00	-12.99	31.27	3	Vertical	122	1.49	-
2437MHz	Pass	AV	4.874G	41.05	54.00	-12.95	2.32	3	Horizontal	123	1.01	-
2437MHz	Pass	PK	4.8734G	54.89	74.00	-19.11	2.32	3	Horizontal	123	1.01	-
2437MHz	Pass	AV	4.8748G	46.18	54.00	-7.82	2.32	3	Vertical	183	3.60	-
2437MHz	Pass	PK	4.8742G	61.53	74.00	-12.47	2.32	3	Vertical	183	3.60	-
2452MHz	Pass	AV	2.39G	45.61	54.00	-8.39	30.93	3	Horizontal	192	1.43	-
2452MHz	Pass	AV	2.4372G	82.20	Inf	-Inf	31.10	3	Horizontal	192	1.43	-
2452MHz	Pass	AV	2.4836G	53.41	54.00	-0.59	31.27	3	Horizontal	192	1.43	-
2452MHz	Pass	PK	2.3888G	60.50	74.00	-13.50	30.93	3	Horizontal	192	1.43	-
2452MHz	Pass	PK	2.4368G	93.06	Inf	-Inf	31.10	3	Horizontal	192	1.43	-
2452MHz	Pass	PK	2.4836G	68.42	74.00	-5.58	31.27	3	Horizontal	192	1.43	-
2452MHz	Pass	AV	2.3896G	45.09	54.00	-8.91	30.93	3	Vertical	270	1.01	-
2452MHz	Pass	AV	2.436G	80.68	Inf	-Inf	31.10	3	Vertical	270	1.01	-
2452MHz	Pass	AV	2.4836G	51.89	54.00	-2.11	31.27	3	Vertical	270	1.01	-
2452MHz	Pass	PK	2.388G	59.26	74.00	-14.74	30.93	3	Vertical	270	1.01	-
2452MHz	Pass	PK	2.4364G	91.28	Inf	-Inf	31.10	3	Vertical	270	1.01	-
2452MHz	Pass	PK	2.4884G	65.49	74.00	-8.51	31.29	3	Vertical	270	1.01	-
2452MHz	Pass	AV	4.9036G	39.04	54.00	-14.96	2.41	3	Horizontal	120	1.01	-
2452MHz	Pass	PK	4.9G	53.25	74.00	-20.75	2.40	3	Horizontal	120	1.01	-
2452MHz	Pass	AV	4.9038G	45.02	54.00	-8.98	2.41	3	Vertical	171	2.47	-
2452MHz	Pass	PK	4.903G	59.89	74.00	-14.11	2.41	3	Vertical	171	2.47	-

802.11b_(1Mbps)_1TX

2412MHz_TX

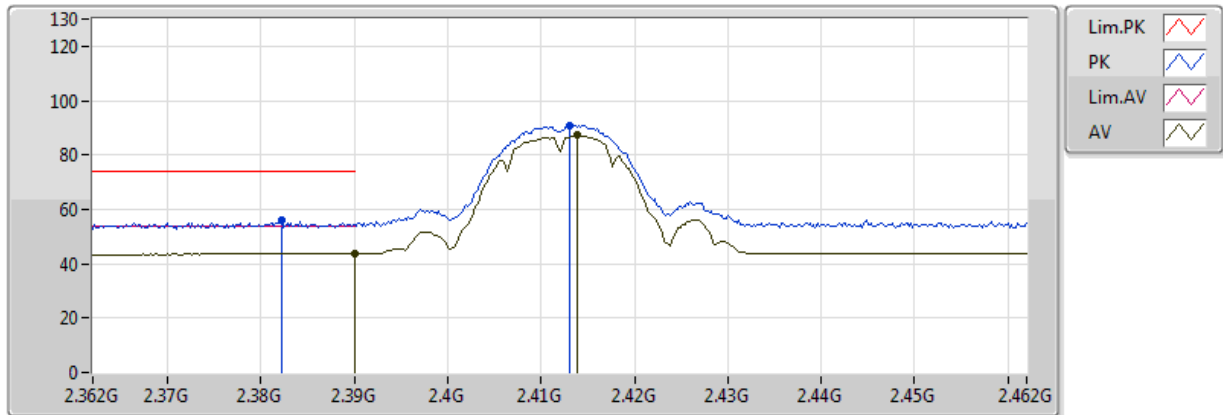


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.388G	43.83	54.00	-10.17	30.93	3	Vertical	101	1.46	-	12.90	27.31	3.62	-
AV	2.4138G	86.77	Inf	-Inf	31.02	3	Vertical	101	1.46	-	55.75	27.38	3.64	-
PK	2.3862G	56.05	74.00	-17.95	30.92	3	Vertical	101	1.46	-	25.13	27.30	3.62	-
PK	2.413G	90.44	Inf	-Inf	31.02	3	Vertical	101	1.46	-	59.42	27.37	3.64	-

802.11b_(1Mbps)_1TX

2412MHz_TX

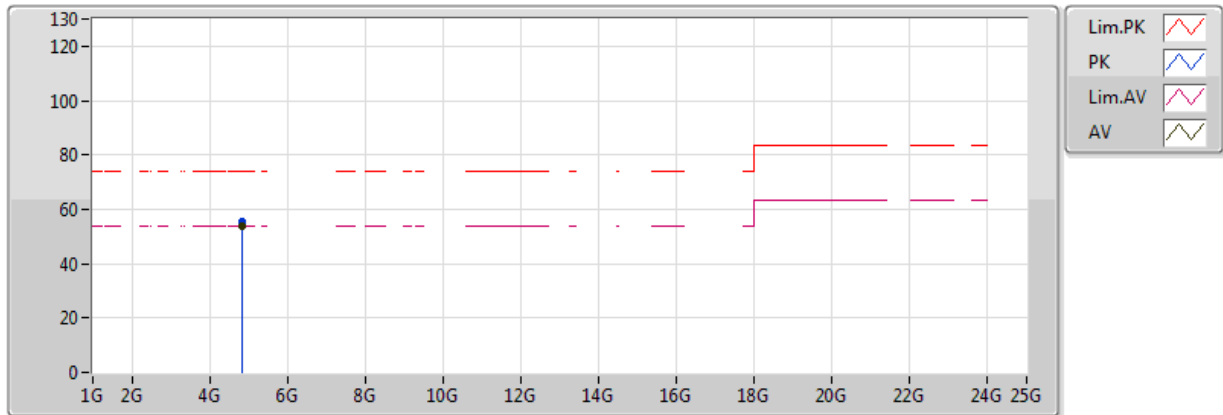


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	43.84	54.00	-10.16	30.93	3	Horizontal	204	1.50	-	12.90	27.31	3.62	-
AV	2.4138G	87.19	Inf	-Inf	31.02	3	Horizontal	204	1.50	-	56.17	27.38	3.64	-
PK	2.3822G	56.01	74.00	-17.99	30.91	3	Horizontal	204	1.50	-	25.11	27.29	3.61	-
PK	2.413G	90.74	Inf	-Inf	31.02	3	Horizontal	204	1.50	-	59.73	27.37	3.64	-

802.11b_(1Mbps)_1TX

2412MHz_TX

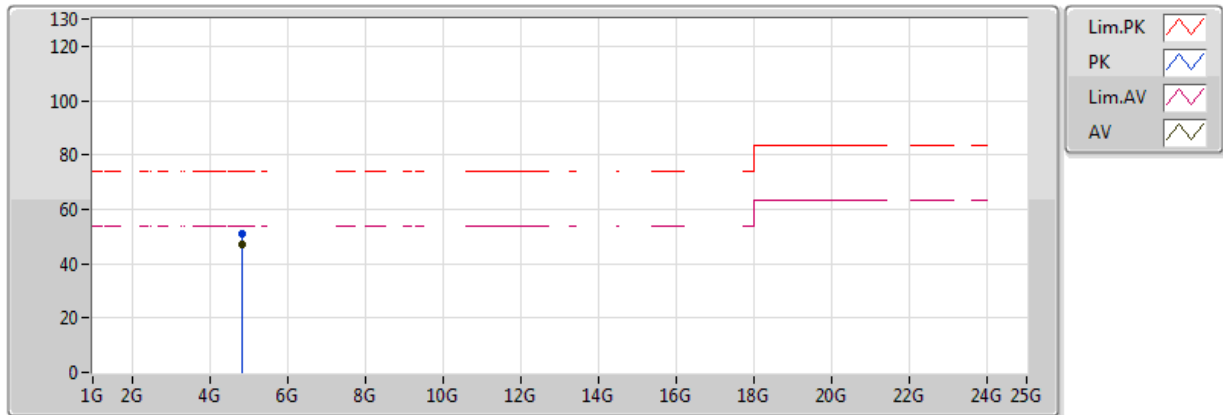


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	53.84	54.00	-0.16	2.16	3	Vertical	172	2.28	-	51.68	31.28	5.41	34.53
PK	4.824G	55.67	74.00	-18.33	2.16	3	Vertical	172	2.28	-	53.51	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2412MHz_TX

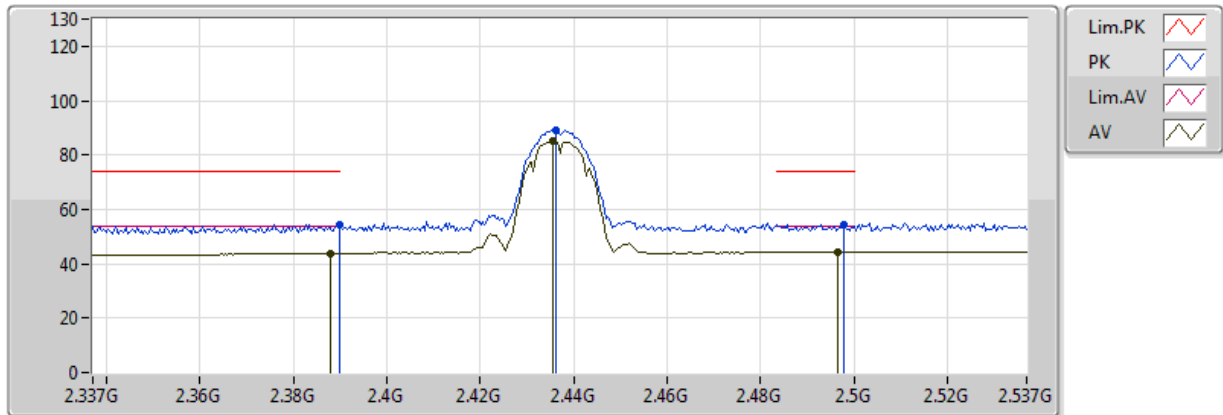


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	46.99	54.00	-7.01	2.16	3	Horizontal	123	1.01	-	44.83	31.28	5.41	34.53
PK	4.824G	50.89	74.00	-23.11	2.16	3	Horizontal	123	1.01	-	48.73	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2437MHz_TX

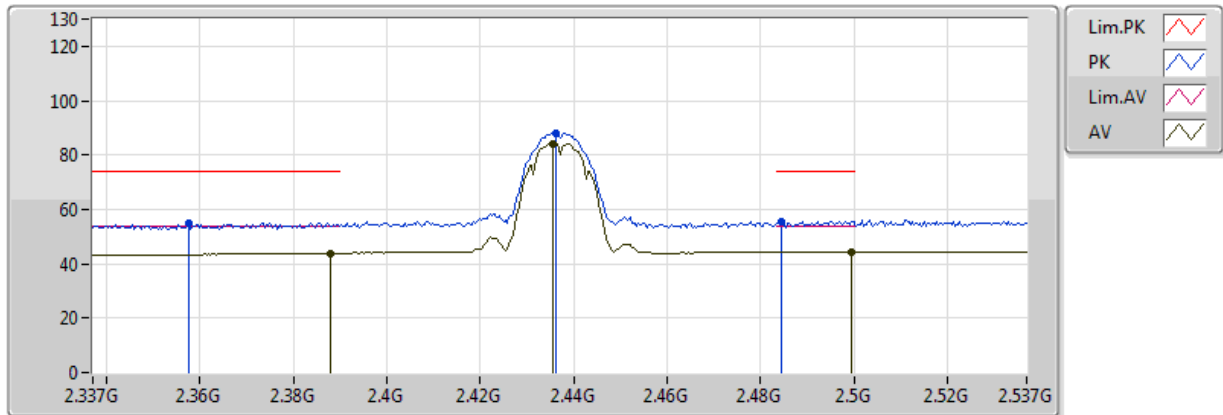


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Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	43.91	54.00	-10.09	30.93	3	Vertical	278	1.01	-	12.99	27.31	3.62	-
AV	2.4354G	85.33	Inf	-Inf	31.10	3	Vertical	278	1.01	-	54.24	27.43	3.67	-
AV	2.4966G	44.43	54.00	-9.57	31.32	3	Vertical	278	1.01	-	13.11	27.59	3.73	-
PK	2.389998G	54.25	74.00	-19.75	30.93	3	Vertical	278	1.01	-	23.32	27.31	3.62	-
PK	2.4362G	89.10	Inf	-Inf	31.10	3	Vertical	278	1.01	-	58.00	27.43	3.67	-
PK	2.4978G	54.44	74.00	-19.56	31.32	3	Vertical	278	1.01	-	23.12	27.59	3.73	-

802.11b_(1Mbps)_1TX

2437MHz_TX

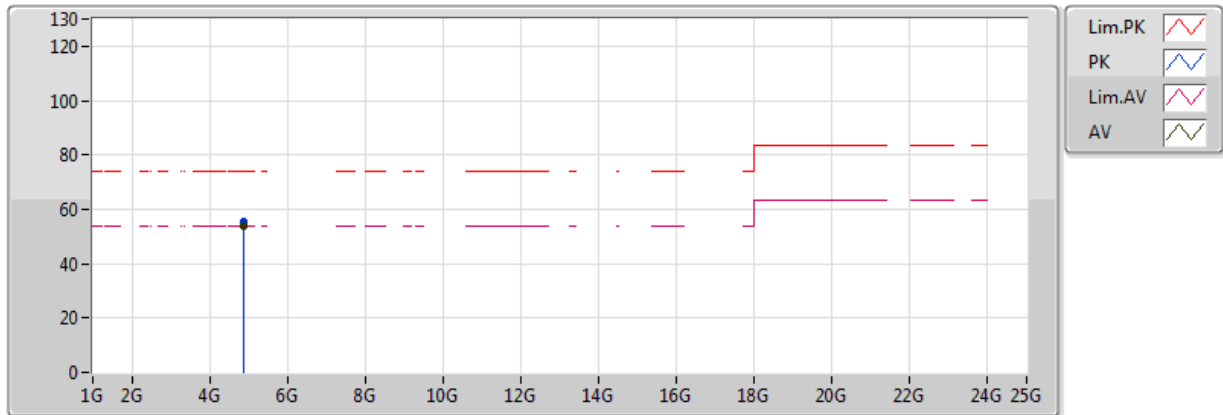


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3878G	43.90	54.00	-10.10	30.93	3	Horizontal	203	1.00	-	12.97	27.31	3.62	-
AV	2.4354G	84.27	Inf	-Inf	31.10	3	Horizontal	203	1.00	-	53.18	27.43	3.67	-
AV	2.4994G	44.43	54.00	-9.57	31.33	3	Horizontal	203	1.00	-	13.10	27.60	3.73	-
PK	2.3574G	54.88	74.00	-19.12	30.82	3	Horizontal	203	1.00	-	24.06	27.23	3.59	-
PK	2.4362G	88.13	Inf	-Inf	31.10	3	Horizontal	203	1.00	-	57.03	27.43	3.67	-
PK	2.4846G	55.58	74.00	-18.42	31.27	3	Horizontal	203	1.00	-	24.31	27.56	3.71	-

802.11b_(1Mbps)_1TX

2437MHz_TX

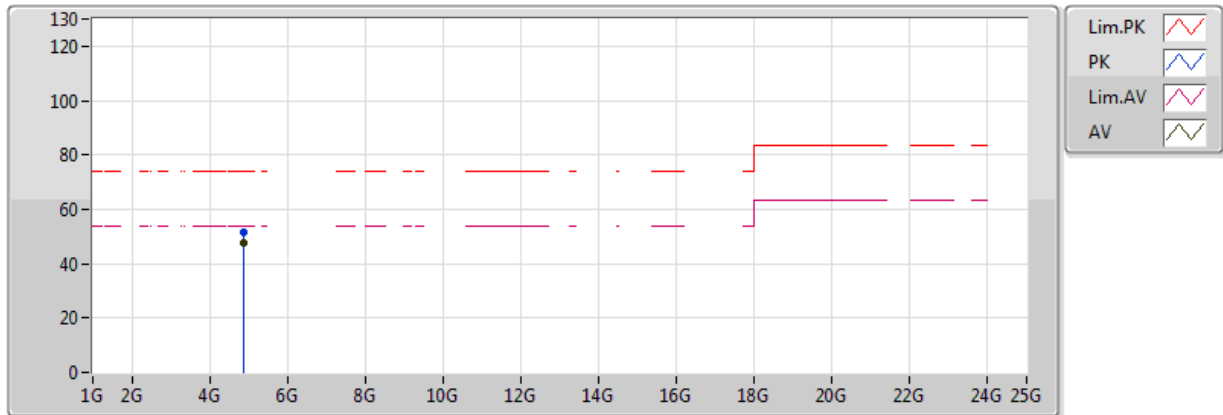


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.874G	53.61	54.00	-0.39	2.32	3	Vertical	171	2.37	-	51.29	31.37	5.46	34.52
PK	4.874G	55.71	74.00	-18.29	2.32	3	Vertical	171	2.37	-	53.39	31.37	5.46	34.52

802.11b_(1Mbps)_1TX

2437MHz_TX

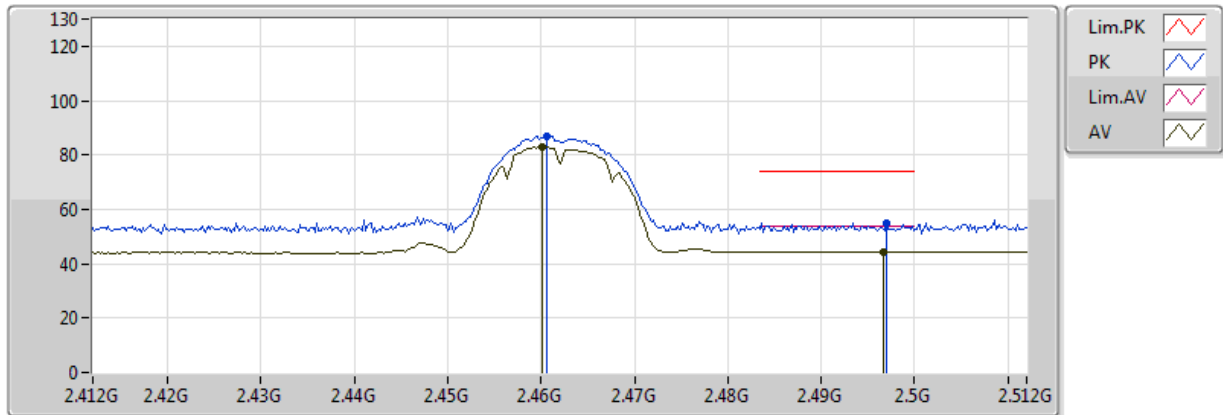


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	47.40	54.00	-6.60	2.32	3	Horizontal	116	1.02	-	45.08	31.37	5.46	34.52
PK	4.874G	51.29	74.00	-22.71	2.32	3	Horizontal	116	1.02	-	48.97	31.37	5.46	34.52

802.11b_(1Mbps)_1TX

2462MHz_TX

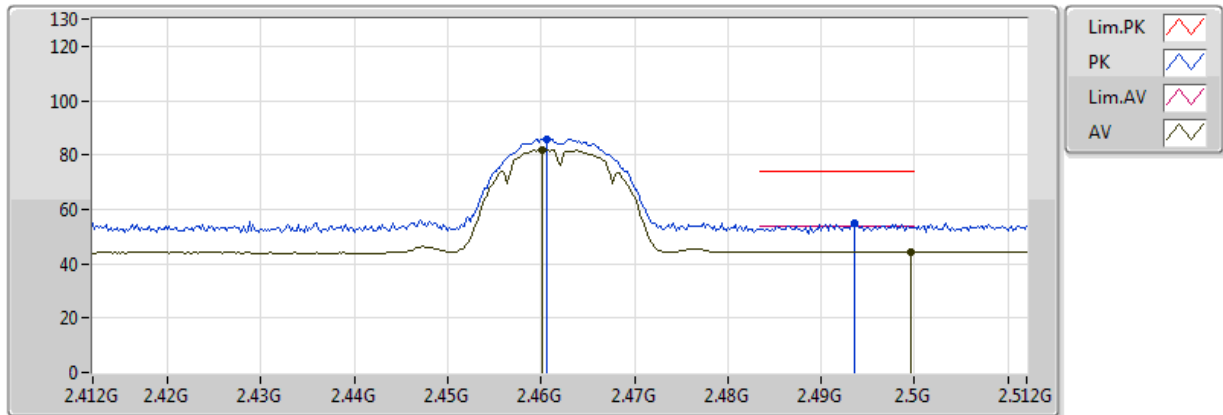


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4602G	83.06	Inf	-Inf	31.19	3	Vertical	268	1.02	-	51.87	27.50	3.69	-
AV	2.4966G	44.53	54.00	-9.47	31.32	3	Vertical	268	1.02	-	13.22	27.59	3.73	-
PK	2.4606G	86.75	Inf	-Inf	31.19	3	Vertical	268	1.02	-	55.56	27.50	3.69	-
PK	2.497G	55.17	74.00	-18.83	31.32	3	Vertical	268	1.02	-	23.85	27.59	3.73	-

802.11b_(1Mbps)_1TX

2462MHz_TX

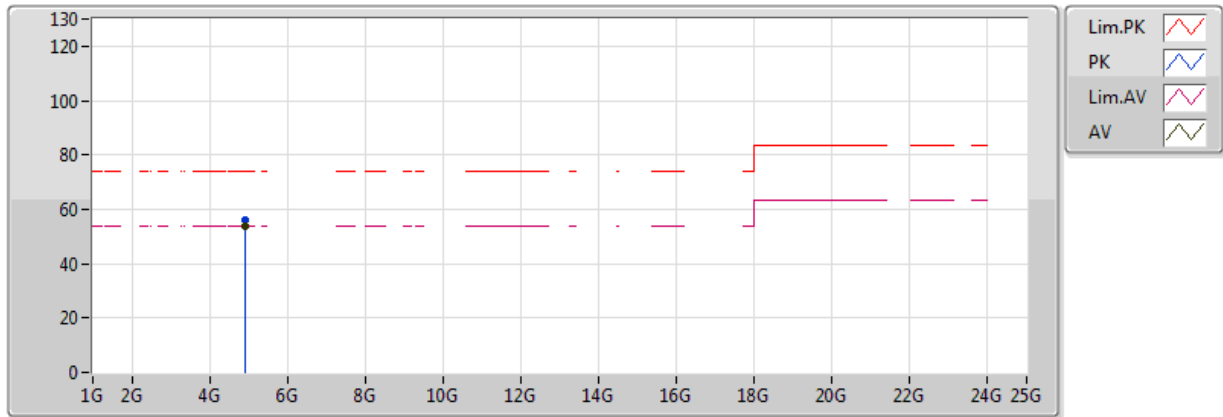


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4602G	82.09	Inf	-Inf	31.19	3	Horizontal	341	1.05	-	50.91	27.50	3.69	-
AV	2.4996G	44.41	54.00	-9.59	31.33	3	Horizontal	341	1.05	-	13.08	27.60	3.73	-
PK	2.4606G	85.91	Inf	-Inf	31.19	3	Horizontal	341	1.05	-	54.72	27.50	3.69	-
PK	2.4936G	54.92	74.00	-19.08	31.31	3	Horizontal	341	1.05	-	23.61	27.58	3.72	-

802.11b_(1Mbps)_1TX

2462MHz_TX

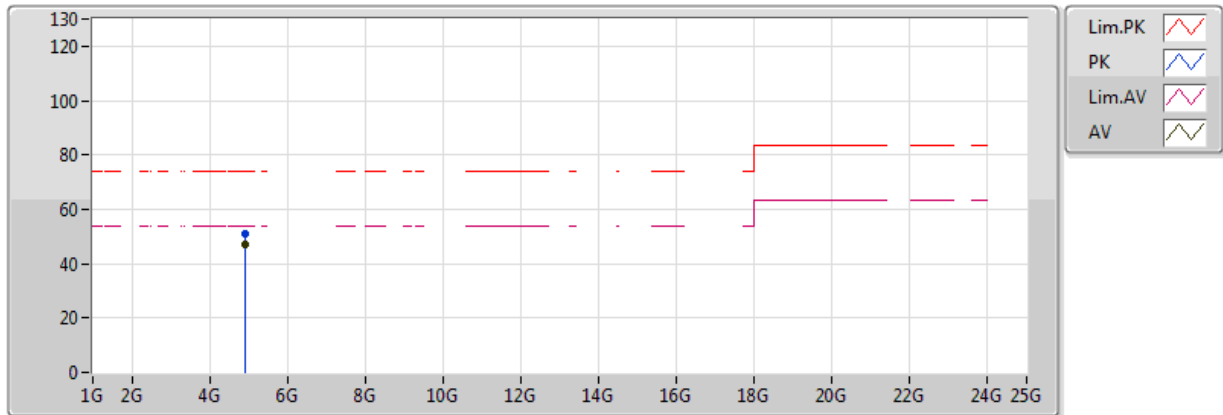


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.924G	53.60	54.00	-0.40	2.48	3	Vertical	172	2.47	-	51.12	31.46	5.52	34.50
PK	4.924G	56.01	74.00	-17.99	2.48	3	Vertical	172	2.47	-	53.53	31.46	5.52	34.50

802.11b_(1Mbps)_1TX

2462MHz_TX

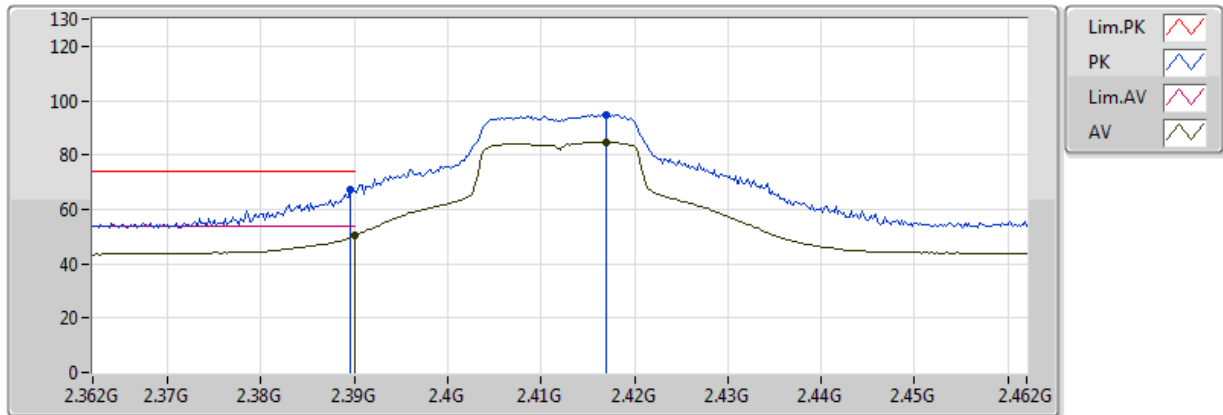


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	46.84	54.00	-7.16	2.48	3	Horizontal	109	1.06	-	44.36	31.46	5.52	34.50
PK	4.924G	50.91	74.00	-23.09	2.48	3	Horizontal	109	1.06	-	48.43	31.46	5.52	34.50

802.11g_(6Mbps)_1TX

2412MHz_TX

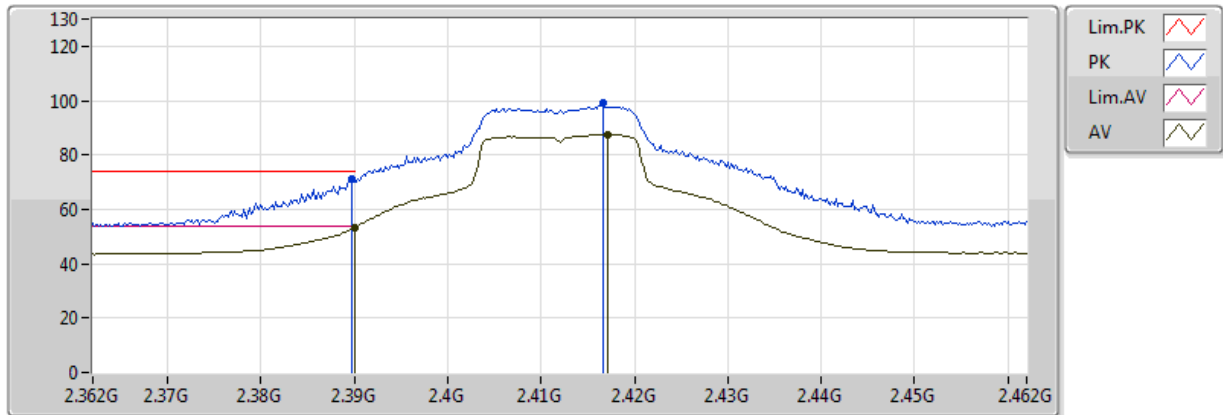


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.28	54.00	-3.72	30.93	3	Vertical	116	1.15	-	19.35	27.31	3.62	-
AV	2.417G	84.78	Inf	-Inf	31.03	3	Vertical	116	1.15	-	53.75	27.38	3.65	-
PK	2.3896G	67.48	74.00	-6.52	30.93	3	Vertical	116	1.15	-	36.54	27.31	3.62	-
PK	2.417G	94.77	Inf	-Inf	31.03	3	Vertical	116	1.15	-	63.74	27.38	3.65	-

802.11g_(6Mbps)_1TX

2412MHz_TX

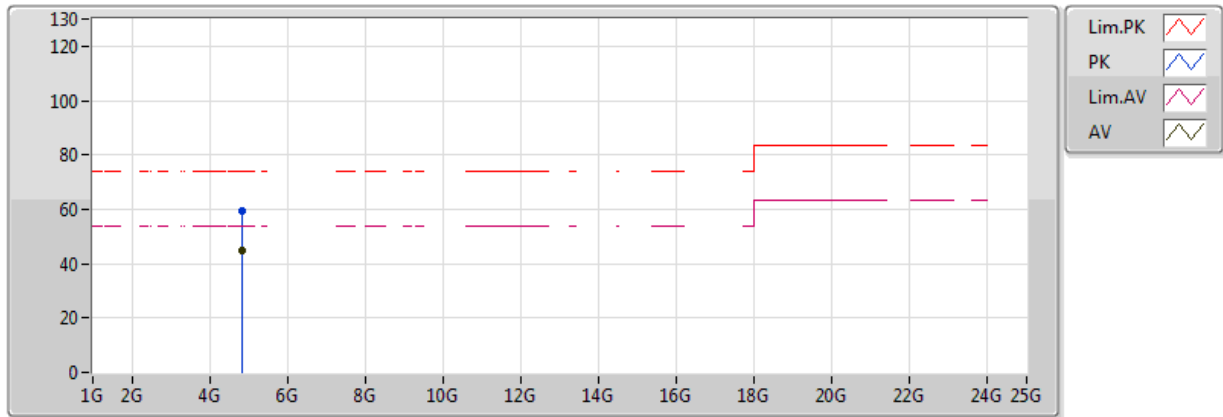


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.38	54.00	-0.62	30.93	3	Horizontal	199	1.50	-	22.45	27.31	3.62	-
AV	2.4172G	87.48	Inf	-Inf	31.03	3	Horizontal	199	1.50	-	56.45	27.38	3.65	-
PK	2.3898G	71.08	74.00	-2.92	30.93	3	Horizontal	199	1.50	-	40.15	27.31	3.62	-
PK	2.4166G	99.08	Inf	-Inf	31.03	3	Horizontal	199	1.50	-	68.05	27.38	3.65	-

802.11g_(6Mbps)_1TX

2412MHz_TX

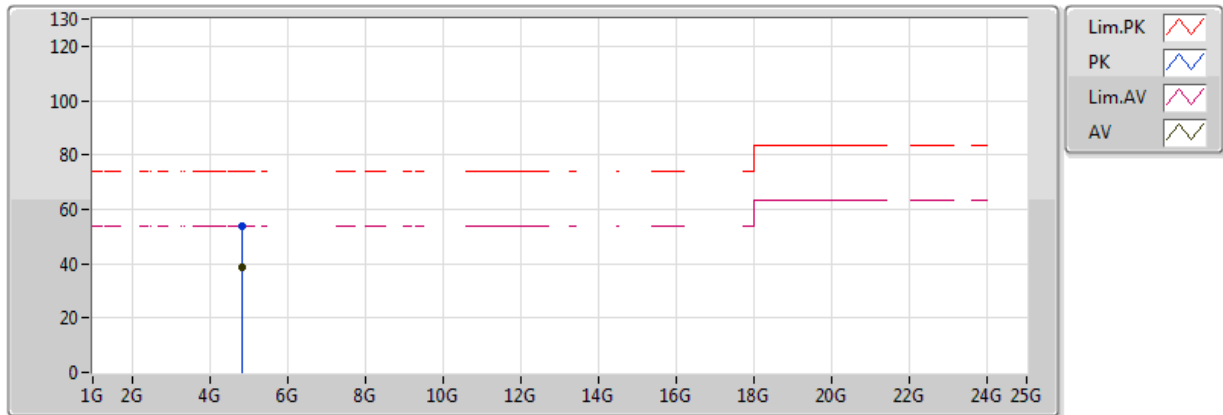


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8259G	44.99	54.00	-9.01	2.17	3	Vertical	182	3.69	-	42.82	31.29	5.41	34.52
PK	4.8243G	59.17	74.00	-14.83	2.17	3	Vertical	182	3.69	-	57.00	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2412MHz_TX

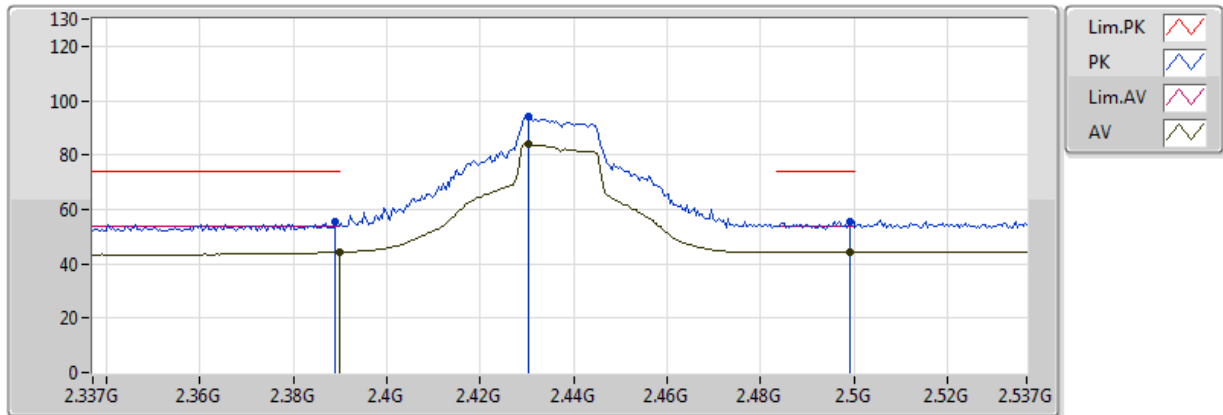


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8243G	38.65	54.00	-15.35	2.17	3	Horizontal	123	1.10	-	36.49	31.28	5.41	34.53
PK	4.8233G	53.75	74.00	-20.25	2.16	3	Horizontal	123	1.10	-	51.59	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2437MHz_TX

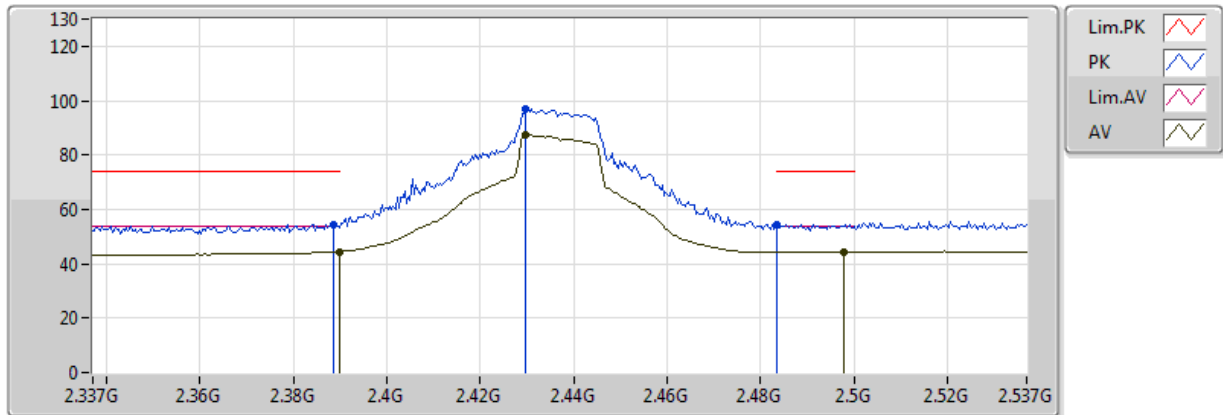


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	44.26	54.00	-9.74	30.93	3	Vertical	123	1.48	-	13.33	27.31	3.62	-
AV	2.499G	44.43	54.00	-9.57	31.33	3	Vertical	123	1.48	-	13.10	27.60	3.73	-
AV	2.4302G	84.10	Inf	-Inf	31.08	3	Vertical	123	1.48	-	53.02	27.42	3.66	-
PK	2.389G	55.57	74.00	-18.43	30.93	3	Vertical	123	1.48	-	24.64	27.31	3.62	-
PK	2.499G	55.65	74.00	-18.35	31.33	3	Vertical	123	1.48	-	24.32	27.60	3.73	-
PK	2.4302G	94.14	Inf	-Inf	31.08	3	Vertical	123	1.48	-	63.06	27.42	3.66	-

802.11g_(6Mbps)_1TX

2437MHz_TX

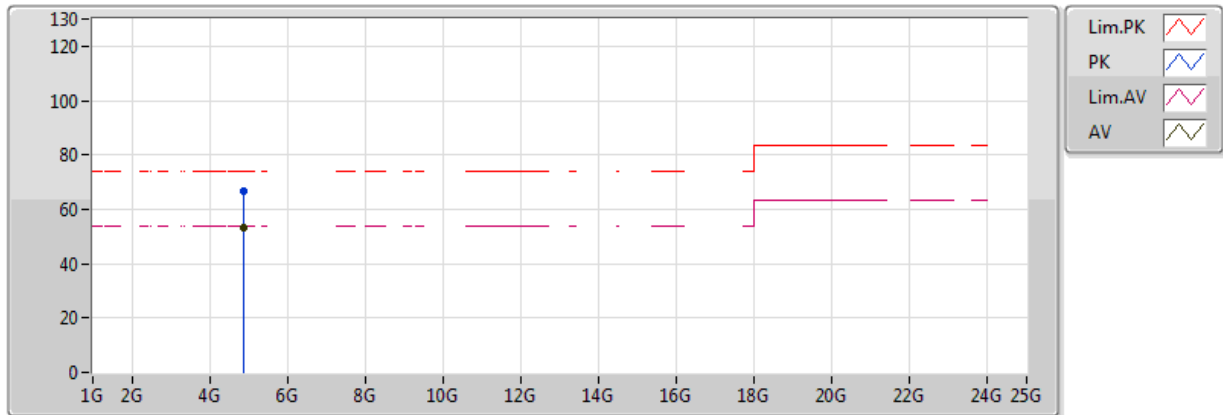


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	44.51	54.00	-9.49	30.93	3	Horizontal	309	2.62	-	13.58	27.31	3.62	-
AV	2.4978G	44.48	54.00	-9.52	31.32	3	Horizontal	309	2.62	-	13.16	27.59	3.73	-
AV	2.4298G	87.32	Inf	-Inf	31.08	3	Horizontal	309	2.62	-	56.24	27.42	3.66	-
PK	2.3886G	54.53	74.00	-19.47	30.93	3	Horizontal	309	2.62	-	23.60	27.31	3.62	-
PK	2.483502G	54.56	74.00	-19.44	31.27	3	Horizontal	309	2.62	-	23.29	27.56	3.71	-
PK	2.4298G	96.84	Inf	-Inf	31.08	3	Horizontal	309	2.62	-	65.76	27.42	3.66	-

802.11g_(6Mbps)_1TX

2437MHz_TX

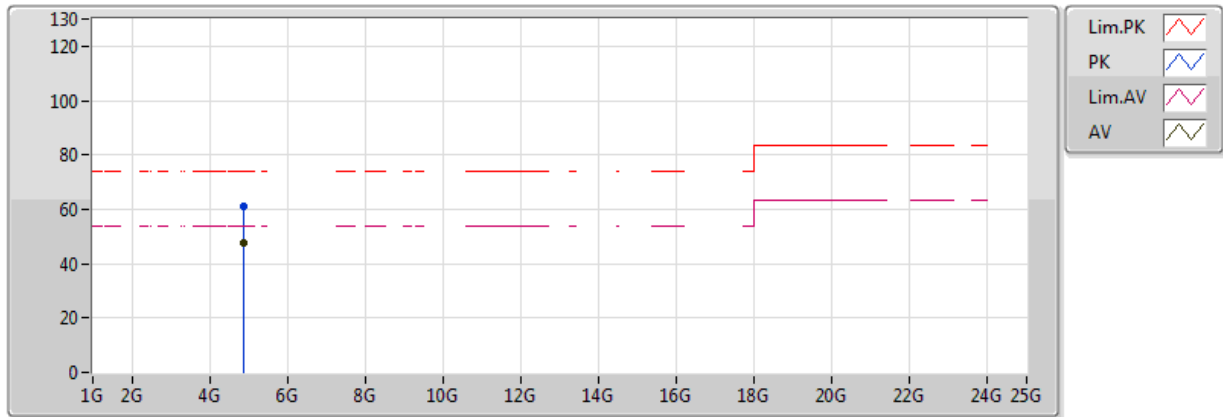


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8746G	53.39	54.00	-0.61	2.32	3	Vertical	164	2.37	-	51.07	31.37	5.46	34.52
PK	4.8726G	66.86	74.00	-7.14	2.32	3	Vertical	164	2.37	-	64.54	31.37	5.46	34.52

802.11g_(6Mbps)_1TX

2437MHz_TX

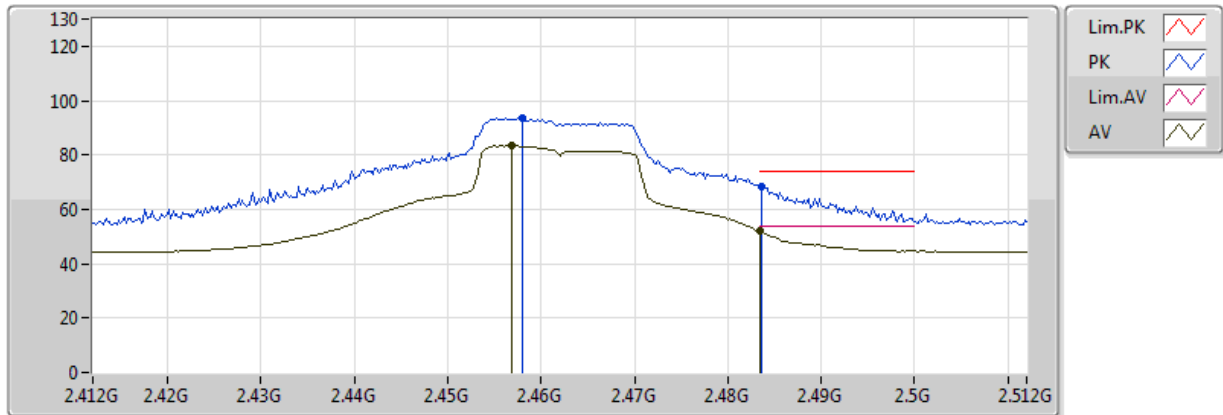


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8737G	47.75	54.00	-6.25	2.32	3	Horizontal	108	1.01	-	45.43	31.37	5.46	34.52
PK	4.8743G	61.29	74.00	-12.71	2.32	3	Horizontal	108	1.01	-	58.97	31.37	5.46	34.52

802.11g_(6Mbps)_1TX

2462MHz_TX

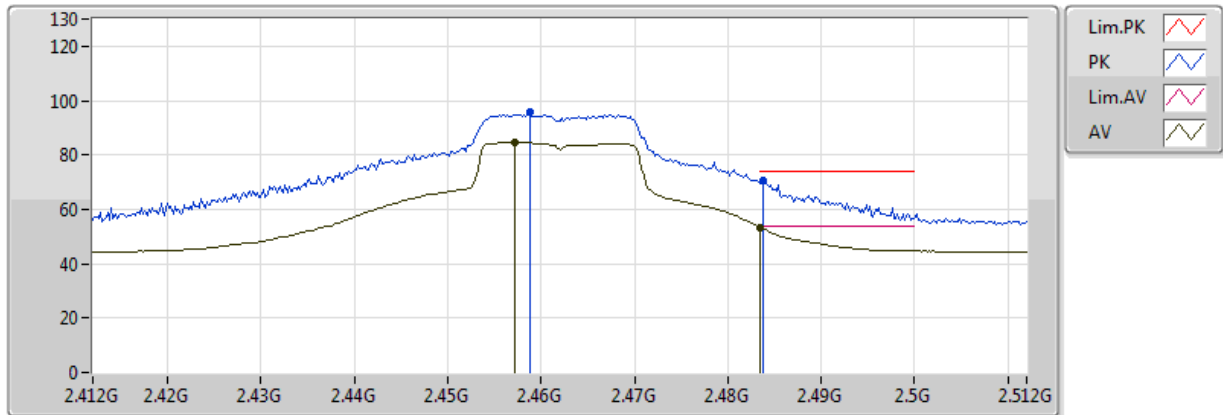


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4568G	83.35	Inf	-Inf	31.17	3	Vertical	267	1.04	-	52.17	27.49	3.69	-
AV	2.483502G	51.86	54.00	-2.14	31.27	3	Vertical	267	1.04	-	20.59	27.56	3.71	-
PK	2.458G	93.41	Inf	-Inf	31.18	3	Vertical	267	1.04	-	62.23	27.49	3.69	-
PK	2.4836G	68.23	74.00	-5.77	31.27	3	Vertical	267	1.04	-	36.96	27.56	3.71	-

802.11g_(6Mbps)_1TX

2462MHz_TX

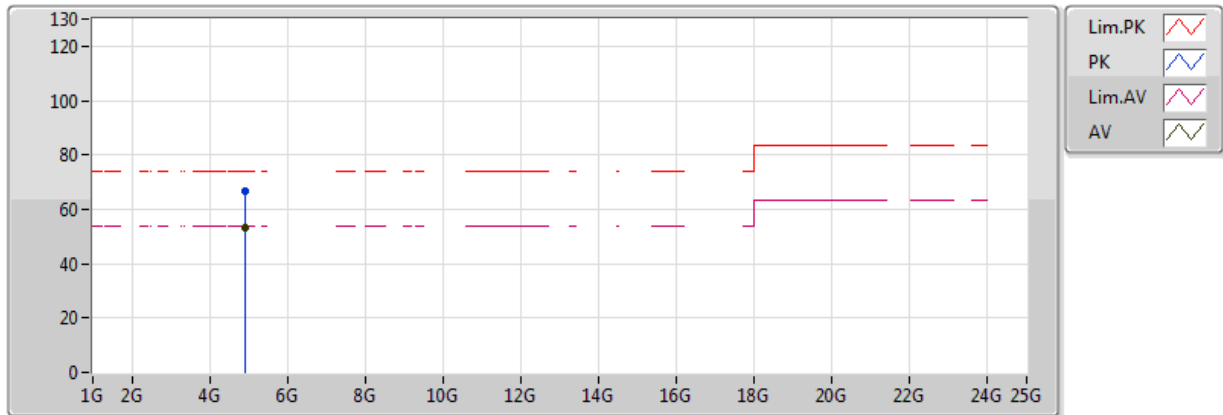


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4572G	84.77	Inf	-Inf	31.18	3	Horizontal	201	1.00	-	53.60	27.49	3.69	-
AV	2.483502G	53.42	54.00	-0.58	31.27	3	Horizontal	201	1.00	-	22.15	27.56	3.71	-
PK	2.4588G	95.57	Inf	-Inf	31.18	3	Horizontal	201	1.00	-	64.39	27.49	3.69	-
PK	2.4838G	70.52	74.00	-3.48	31.27	3	Horizontal	201	1.00	-	39.24	27.56	3.71	-

802.11g_(6Mbps)_1TX

2462MHz_TX

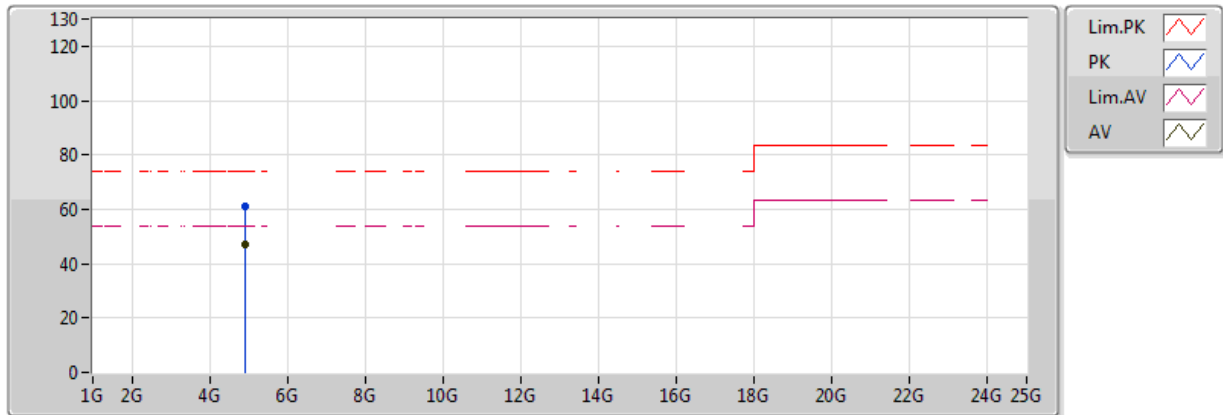


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9238G	53.06	54.00	-0.94	2.48	3	Vertical	142	3.52	-	50.58	31.46	5.52	34.50
PK	4.9245G	66.84	74.00	-7.16	2.48	3	Vertical	142	3.52	-	64.36	31.46	5.52	34.50

802.11g_(6Mbps)_1TX

2462MHz_TX

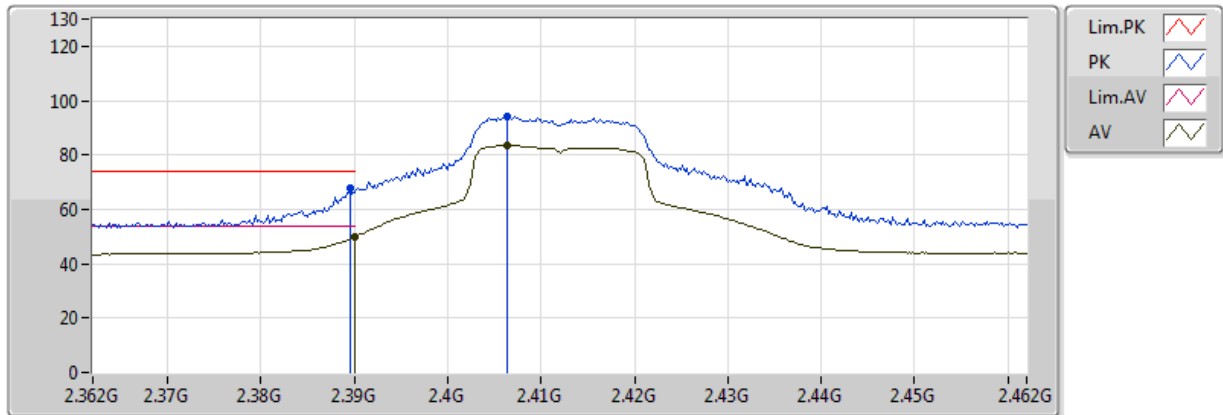


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9248G	47.21	54.00	-6.79	2.48	3	Horizontal	103	1.06	-	44.73	31.46	5.52	34.50
PK	4.9262G	61.17	74.00	-12.83	2.48	3	Horizontal	103	1.06	-	58.69	31.47	5.52	34.50

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

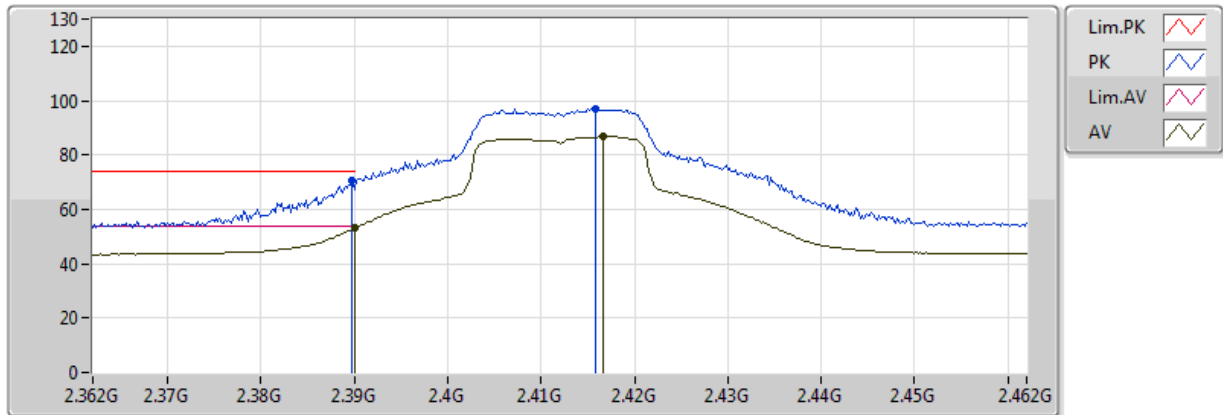


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	49.92	54.00	-4.08	30.93	3	Vertical	89	1.15	-	18.98	27.31	3.62	-
AV	2.4064G	83.48	Inf	-Inf	30.99	3	Vertical	89	1.15	-	52.49	27.36	3.64	-
PK	2.3896G	67.70	74.00	-6.30	30.93	3	Vertical	89	1.15	-	36.76	27.31	3.62	-
PK	2.4064G	94.25	Inf	-Inf	30.99	3	Vertical	89	1.15	-	63.25	27.36	3.64	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

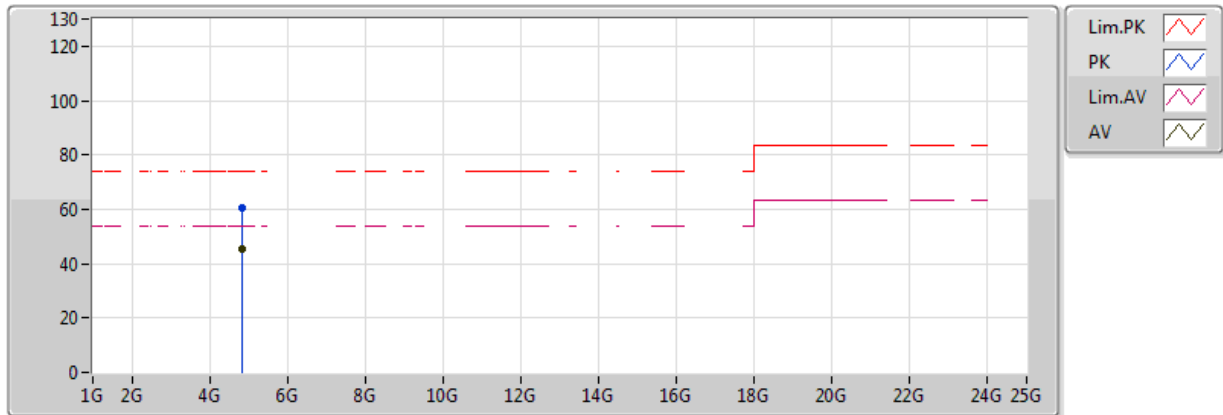


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.04	54.00	-0.96	30.93	3	Horizontal	197	1.50	-	22.11	27.31	3.62	-
AV	2.4166G	86.76	Inf	-Inf	31.03	3	Horizontal	197	1.50	-	55.73	27.38	3.65	-
PK	2.3898G	70.82	74.00	-3.18	30.93	3	Horizontal	197	1.50	-	39.89	27.31	3.62	-
PK	2.4158G	96.96	Inf	-Inf	31.03	3	Horizontal	197	1.50	-	65.93	27.38	3.65	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

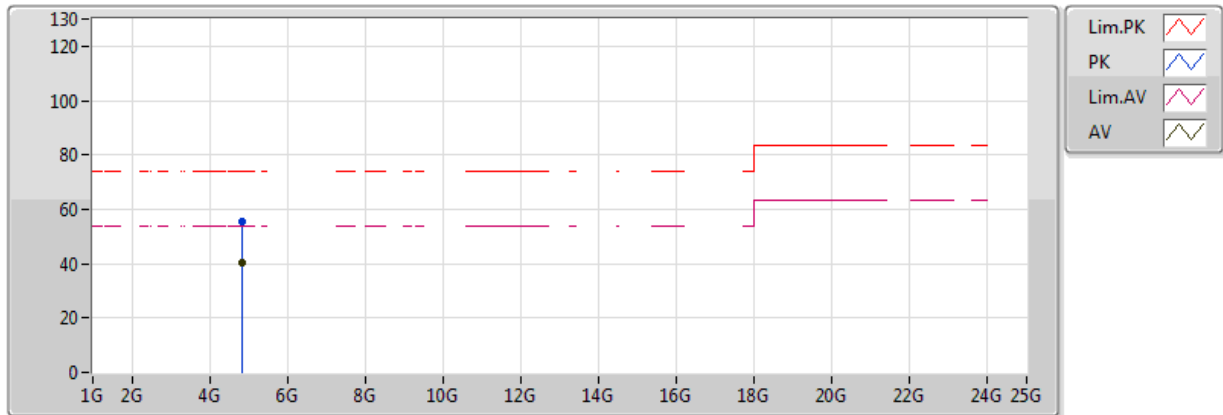


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.826G	45.64	54.00	-8.36	2.17	3	Vertical	153	2.40	-	43.47	31.29	5.41	34.52
PK	4.828G	60.61	74.00	-13.39	2.18	3	Vertical	153	2.40	-	58.43	31.29	5.41	34.52

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

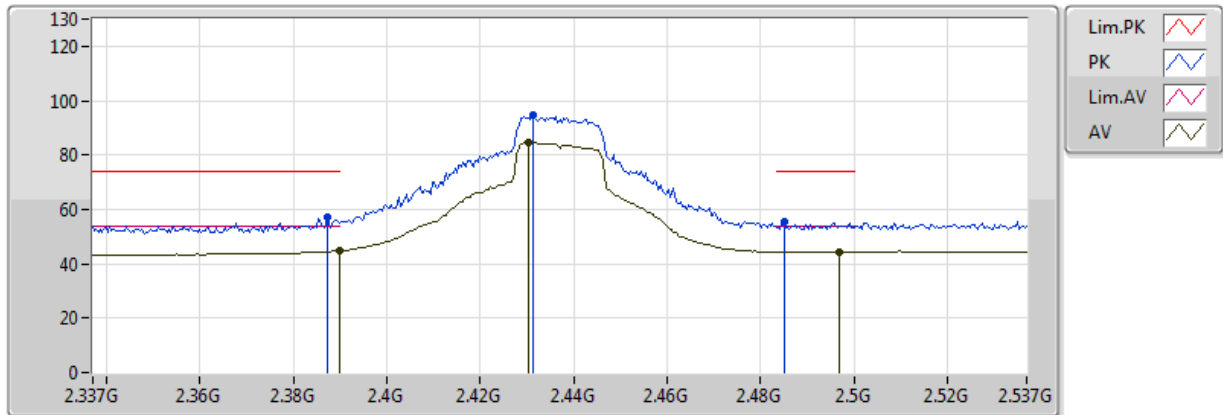


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	4.8323G	55.67	74.00	-18.33	2.19	3	Horizontal	100	1.02	-	53.48	31.30	5.42	34.52
AV	4.826G	40.18	54.00	-13.82	2.17	3	Horizontal	100	1.02	-	38.01	31.29	5.41	34.52

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

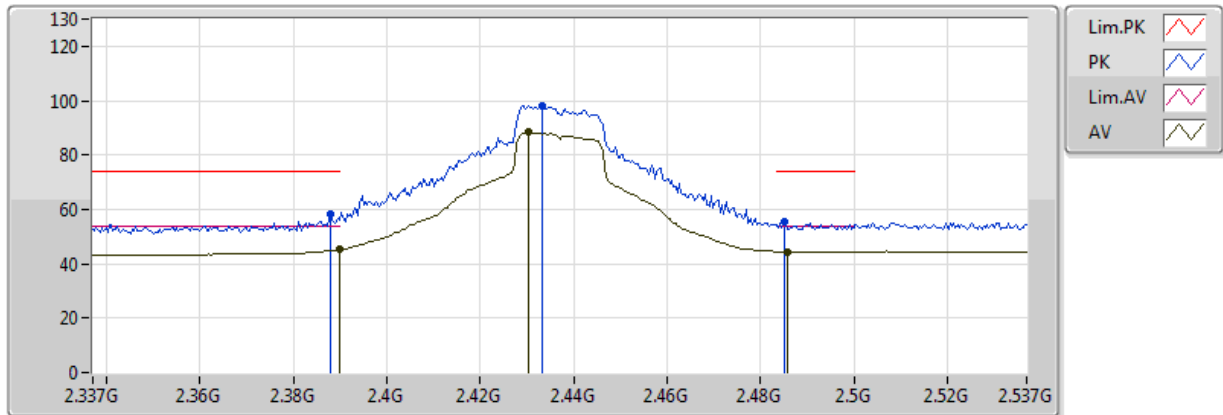


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	44.67	54.00	-9.33	30.93	3	Vertical	132	1.18	-	13.73	27.31	3.62	-
AV	2.497G	44.37	54.00	-9.63	31.32	3	Vertical	132	1.18	-	13.05	27.59	3.73	-
AV	2.4302G	84.49	Inf	-Inf	31.08	3	Vertical	132	1.18	-	53.41	27.42	3.66	-
PK	2.3874G	57.07	74.00	-16.93	30.93	3	Vertical	132	1.18	-	26.14	27.31	3.62	-
PK	2.485G	55.52	74.00	-18.48	31.28	3	Vertical	132	1.18	-	24.24	27.56	3.71	-
PK	2.4314G	94.62	Inf	-Inf	31.08	3	Vertical	132	1.18	-	63.54	27.42	3.66	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

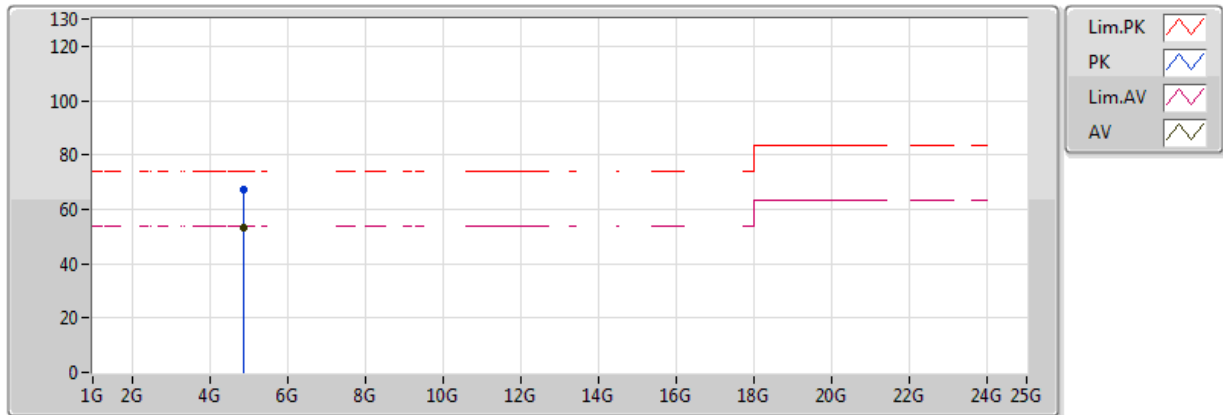


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	45.16	54.00	-8.84	30.93	3	Horizontal	306	2.60	-	14.22	27.31	3.62	-
AV	2.4858G	44.46	54.00	-9.54	31.28	3	Horizontal	306	2.60	-	13.18	27.56	3.72	-
AV	2.4302G	88.28	Inf	-Inf	31.08	3	Horizontal	306	2.60	-	57.20	27.42	3.66	-
PK	2.3878G	58.00	74.00	-16.00	30.93	3	Horizontal	306	2.60	-	27.07	27.31	3.62	-
PK	2.485G	55.21	74.00	-18.79	31.28	3	Horizontal	306	2.60	-	23.93	27.56	3.71	-
PK	2.4334G	98.19	Inf	-Inf	31.09	3	Horizontal	306	2.60	-	67.10	27.43	3.66	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

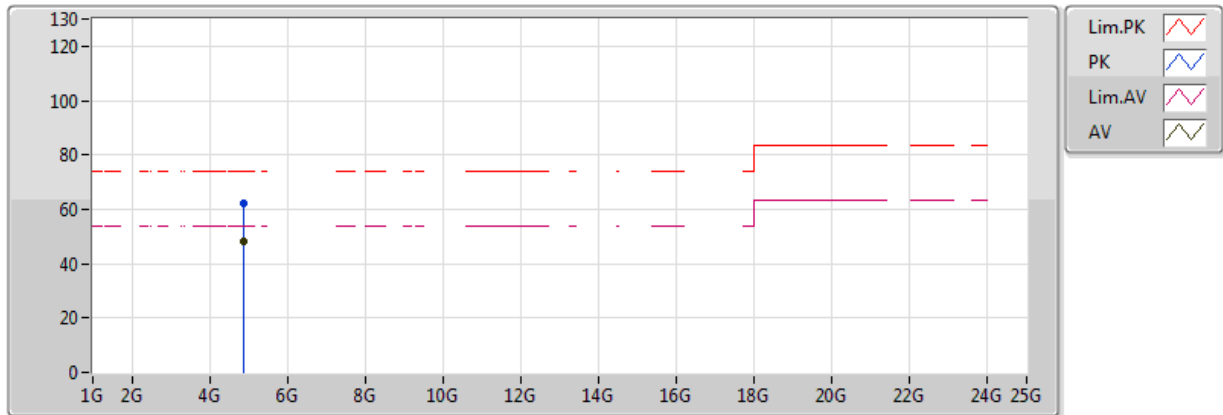


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8751G	53.34	54.00	-0.66	2.32	3	Vertical	153	2.37	-	51.02	31.38	5.46	34.51
PK	4.8742G	67.08	74.00	-6.92	2.32	3	Vertical	153	2.37	-	64.76	31.37	5.46	34.52

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

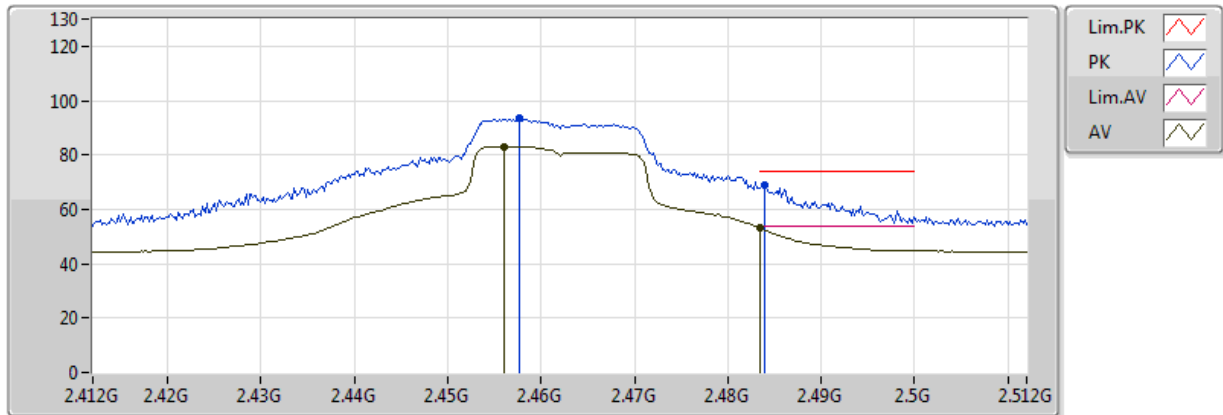


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8736G	48.09	54.00	-5.91	2.32	3	Horizontal	93	1.02	-	45.77	31.37	5.46	34.52
PK	4.8749G	62.22	74.00	-11.78	2.32	3	Horizontal	93	1.02	-	59.90	31.37	5.46	34.52

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

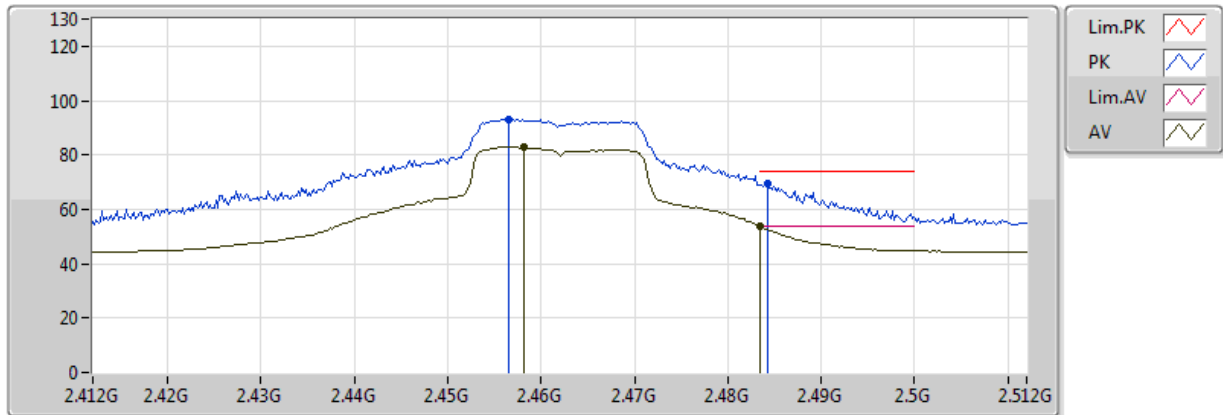


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.456G	83.19	Inf	-Inf	31.17	3	Vertical	268	1.04	-	52.02	27.49	3.69	-
AV	2.483502G	53.09	54.00	-0.91	31.27	3	Vertical	268	1.04	-	21.82	27.56	3.71	-
PK	2.4576G	93.38	Inf	-Inf	31.18	3	Vertical	268	1.04	-	62.20	27.49	3.69	-
PK	2.484G	68.67	74.00	-5.33	31.27	3	Vertical	268	1.04	-	37.40	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

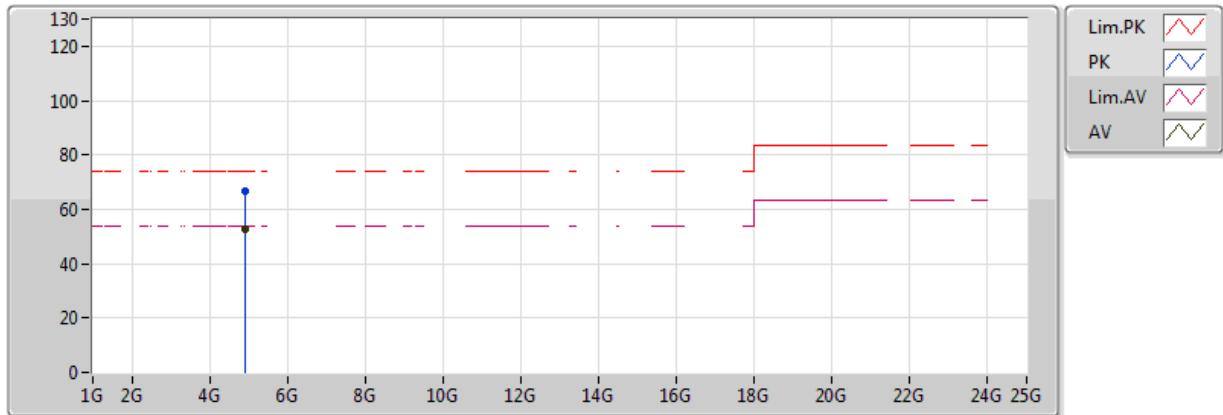


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.4582G	82.92	Inf	-Inf	31.18	3	Horizontal	337	1.45	-	51.74	27.49	3.69	-
AV	2.483502G	53.86	54.00	-0.14	31.27	3	Horizontal	337	1.45	-	22.59	27.56	3.71	-
PK	2.4566G	92.99	Inf	-Inf	31.17	3	Horizontal	337	1.45	-	61.81	27.49	3.69	-
PK	2.4842G	69.70	74.00	-4.30	31.27	3	Horizontal	337	1.45	-	38.43	27.56	3.71	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

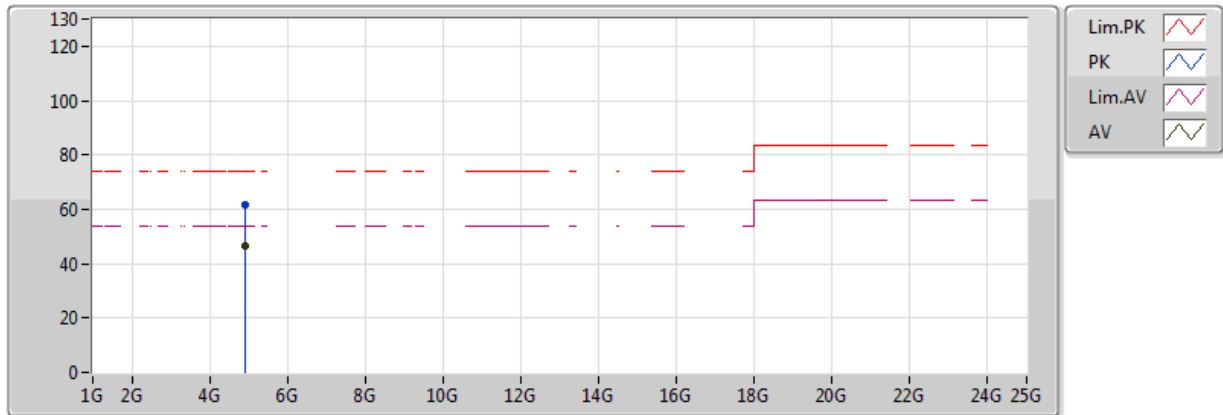


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9236G	52.44	54.00	-1.56	2.48	3	Vertical	183	3.52	-	49.96	31.46	5.52	34.50
PK	4.9261G	66.85	74.00	-7.15	2.48	3	Vertical	183	3.52	-	64.37	31.47	5.52	34.50

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

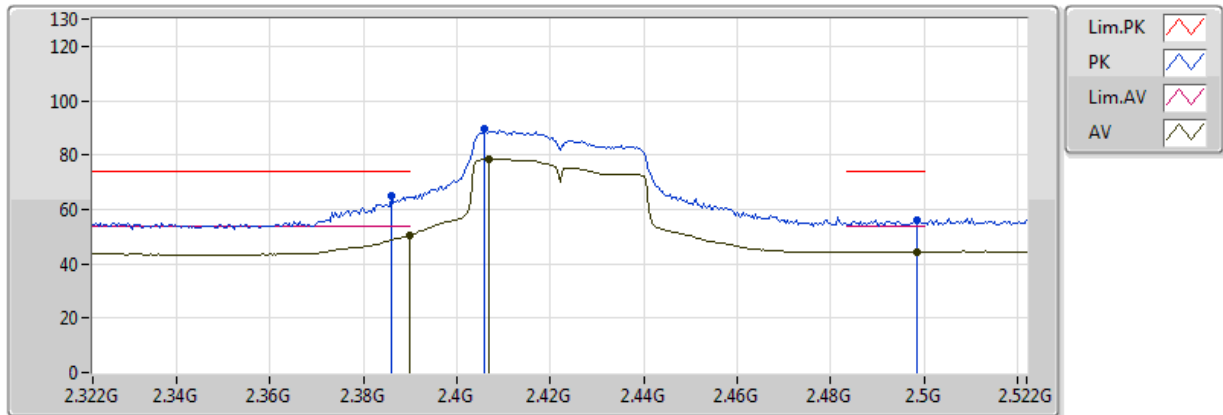


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.9238G	46.28	54.00	-7.72	2.48	3	Horizontal	122	2.23	-	43.80	31.46	5.52	34.50
PK	4.9259G	61.43	74.00	-12.57	2.48	3	Horizontal	122	2.23	-	58.95	31.47	5.52	34.50

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

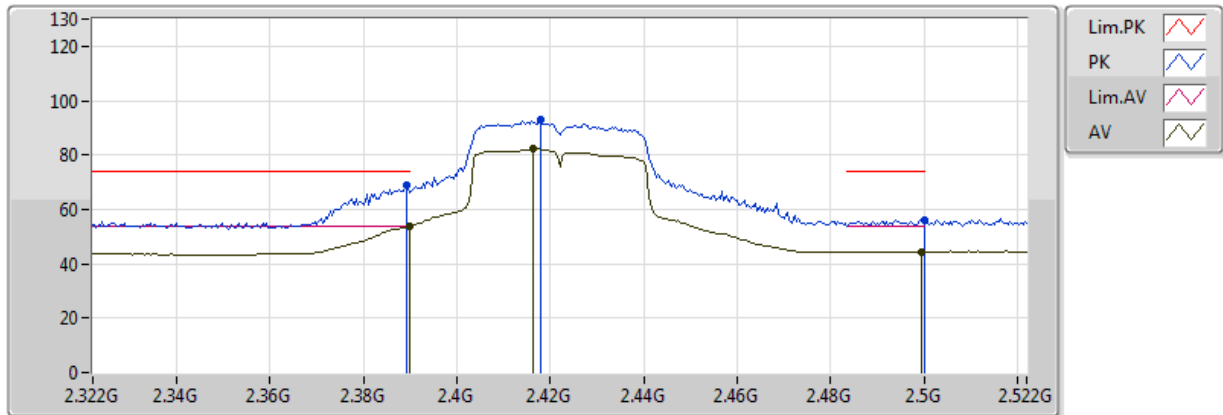


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	50.53	54.00	-3.47	30.93	3	Vertical	120	1.24	-	19.60	27.31	3.62	-
AV	2.4068G	78.68	Inf	-Inf	30.99	3	Vertical	120	1.24	-	47.69	27.36	3.64	-
AV	2.4984G	44.43	54.00	-9.57	31.32	3	Vertical	120	1.24	-	13.11	27.60	3.73	-
PK	2.386G	65.12	74.00	-8.88	30.92	3	Vertical	120	1.24	-	34.20	27.30	3.62	-
PK	2.406G	89.46	Inf	-Inf	30.99	3	Vertical	120	1.24	-	58.47	27.36	3.64	-
PK	2.4984G	56.10	74.00	-17.90	31.32	3	Vertical	120	1.24	-	24.78	27.60	3.73	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

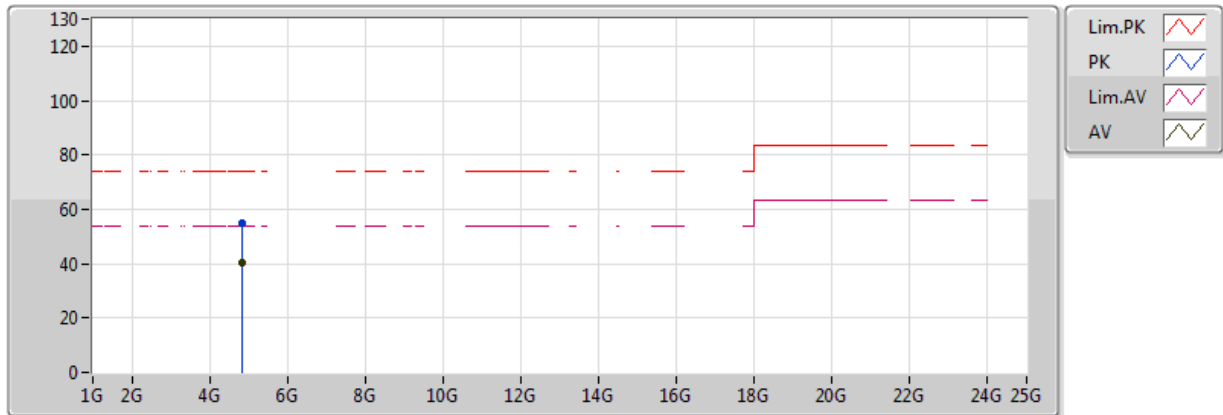


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	53.89	54.00	-0.11	30.93	3	Horizontal	193	1.49	-	22.95	27.31	3.62	-
AV	2.4164G	82.20	Inf	-Inf	31.03	3	Horizontal	193	1.49	-	51.17	27.38	3.65	-
AV	2.4996G	44.45	54.00	-9.55	31.33	3	Horizontal	193	1.49	-	13.12	27.60	3.73	-
PK	2.3892G	68.93	74.00	-5.07	30.93	3	Horizontal	193	1.49	-	38.00	27.31	3.62	-
PK	2.418G	92.87	Inf	-Inf	31.03	3	Horizontal	193	1.49	-	61.83	27.39	3.65	-
PK	2.5G	56.19	74.00	-17.81	31.33	3	Horizontal	193	1.49	-	24.86	27.60	3.73	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

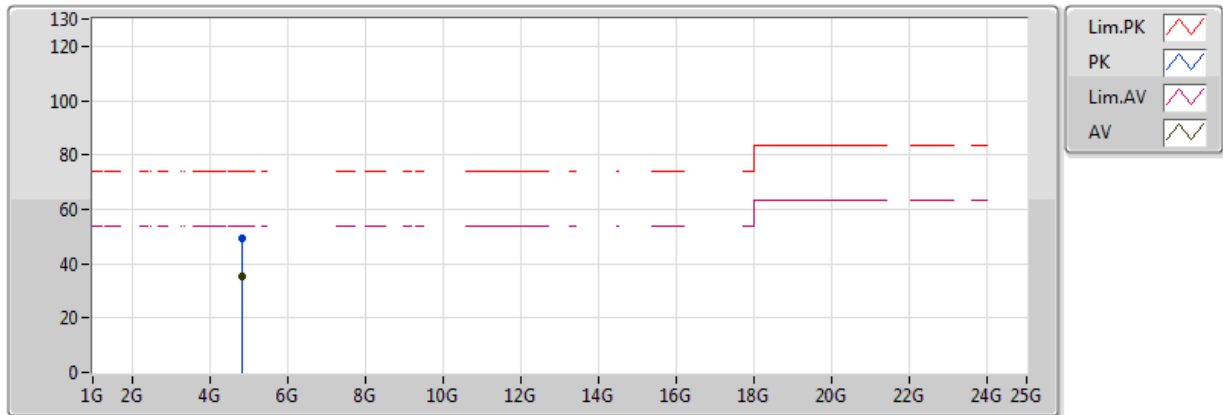


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8442G	40.59	54.00	-13.41	2.23	3	Vertical	158	3.46	-	38.36	31.32	5.43	34.52
PK	4.8428G	54.85	74.00	-19.15	2.22	3	Vertical	158	3.46	-	52.63	31.32	5.43	34.52

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

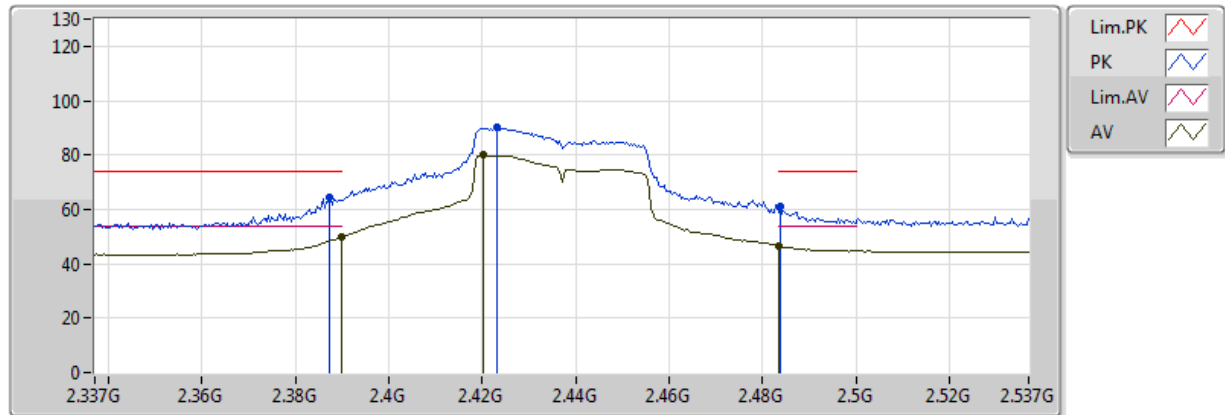


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.8438G	35.52	54.00	-18.48	2.23	3	Horizontal	123	1.01	-	33.30	31.32	5.43	34.52
PK	4.8432G	49.18	74.00	-24.82	2.22	3	Horizontal	123	1.01	-	46.95	31.32	5.43	34.52

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

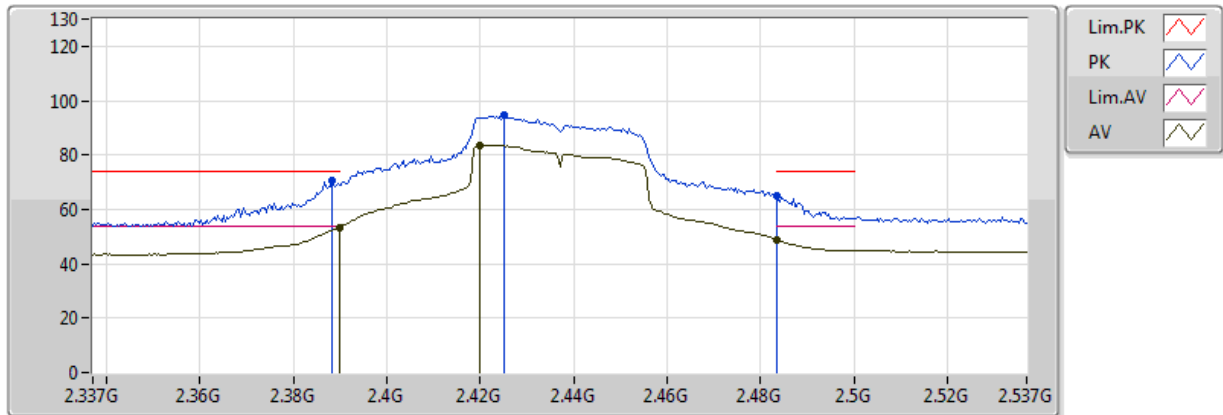


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	49.64	54.00	-4.36	30.93	3	Vertical	122	1.49	-	18.70	27.31	3.62	-
AV	2.4202G	79.92	Inf	-Inf	31.04	3	Vertical	122	1.49	-	48.88	27.39	3.65	-
AV	2.483502G	46.45	54.00	-7.55	31.27	3	Vertical	122	1.49	-	15.18	27.56	3.71	-
PK	2.3874G	64.64	74.00	-9.36	30.93	3	Vertical	122	1.49	-	33.71	27.31	3.62	-
PK	2.423G	90.06	Inf	-Inf	31.05	3	Vertical	122	1.49	-	59.01	27.40	3.65	-
PK	2.4838G	61.01	74.00	-12.99	31.27	3	Vertical	122	1.49	-	29.73	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

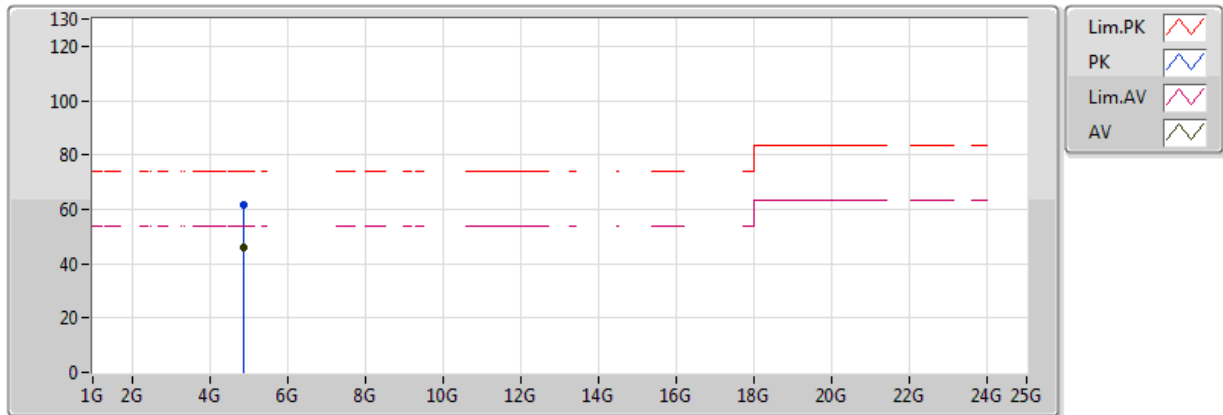


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	53.37	54.00	-0.63	30.93	3	Horizontal	189	1.50	-	22.43	27.31	3.62	-
AV	2.4198G	83.55	Inf	-Inf	31.04	3	Horizontal	189	1.50	-	52.51	27.39	3.65	-
AV	2.483502G	48.77	54.00	-5.23	31.27	3	Horizontal	189	1.50	-	17.50	27.56	3.71	-
PK	2.3882G	70.72	74.00	-3.28	30.93	3	Horizontal	189	1.50	-	39.79	27.31	3.62	-
PK	2.425G	94.65	Inf	-Inf	31.06	3	Horizontal	189	1.50	-	63.59	27.41	3.65	-
PK	2.483502G	64.94	74.00	-9.06	31.27	3	Horizontal	189	1.50	-	33.67	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

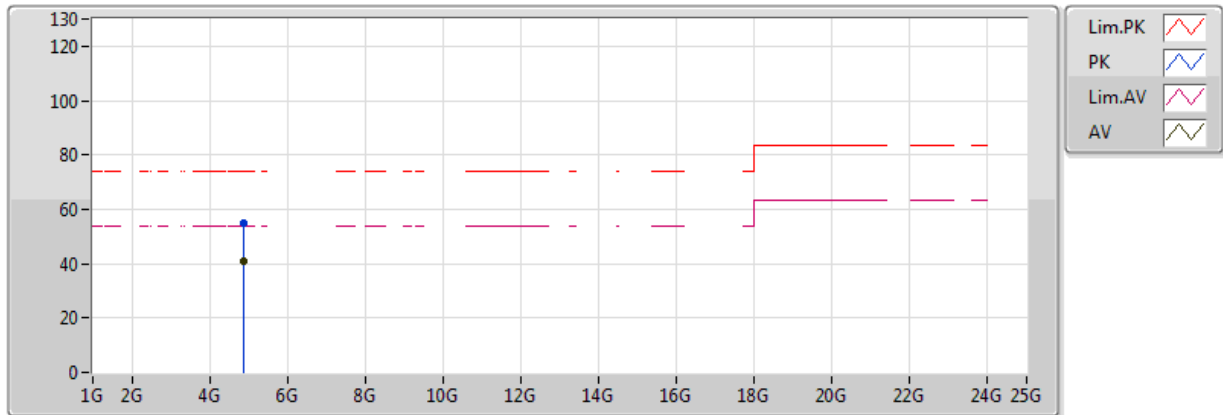


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	4.8748G	46.18	54.00	-7.82	2.32	3	Vertical	183	3.60	-	43.86	31.37	5.46	34.52
PK	4.8742G	61.53	74.00	-12.47	2.32	3	Vertical	183	3.60	-	59.21	31.37	5.46	34.52

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

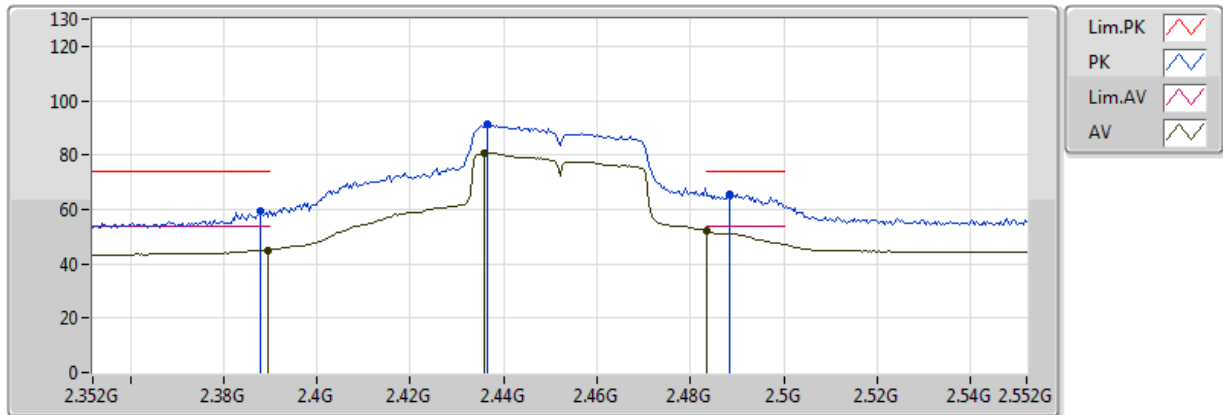


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	41.05	54.00	-12.95	2.32	3	Horizontal	123	1.01	-	38.73	31.37	5.46	34.52
PK	4.8734G	54.89	74.00	-19.11	2.32	3	Horizontal	123	1.01	-	52.57	31.37	5.46	34.52

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

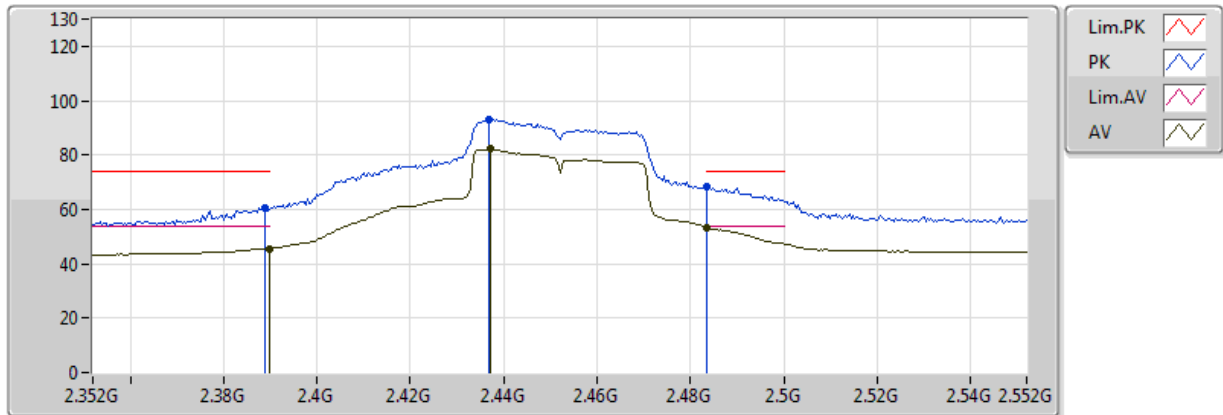


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.3896G	45.09	54.00	-8.91	30.93	3	Vertical	270	1.01	-	14.16	27.31	3.62	-
AV	2.436G	80.68	Inf	-Inf	31.10	3	Vertical	270	1.01	-	49.58	27.43	3.67	-
AV	2.4836G	51.89	54.00	-2.11	31.27	3	Vertical	270	1.01	-	20.62	27.56	3.71	-
PK	2.388G	59.26	74.00	-14.74	30.93	3	Vertical	270	1.01	-	28.33	27.31	3.62	-
PK	2.4364G	91.28	Inf	-Inf	31.10	3	Vertical	270	1.01	-	60.18	27.43	3.67	-
PK	2.4884G	65.49	74.00	-8.51	31.29	3	Vertical	270	1.01	-	34.20	27.57	3.72	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

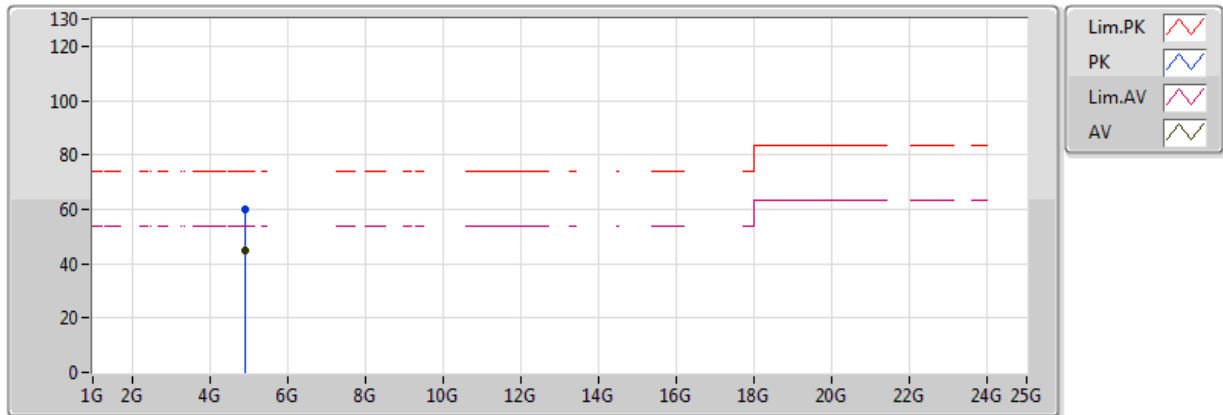


EUT = X

Type	Freq	Level	Limit	Margin	Factor	Dist	Condition	Azimuth	Height	Comments	Raw	AF	CL	PA
	(Hz)	(dBuV/m)	(dBuV/m)	(dB)	(dB)	(m)		(°)	(m)		(dBuV)	(dB)	(dB)	(dB)
AV	2.39G	45.61	54.00	-8.39	30.93	3	Horizontal	192	1.43	-	14.68	27.31	3.62	-
AV	2.4372G	82.20	Inf	-Inf	31.10	3	Horizontal	192	1.43	-	51.09	27.44	3.67	-
AV	2.4836G	53.41	54.00	-0.59	31.27	3	Horizontal	192	1.43	-	22.14	27.56	3.71	-
PK	2.3888G	60.50	74.00	-13.50	30.93	3	Horizontal	192	1.43	-	29.57	27.31	3.62	-
PK	2.4368G	93.06	Inf	-Inf	31.10	3	Horizontal	192	1.43	-	61.96	27.44	3.67	-
PK	2.4836G	68.42	74.00	-5.58	31.27	3	Horizontal	192	1.43	-	37.15	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

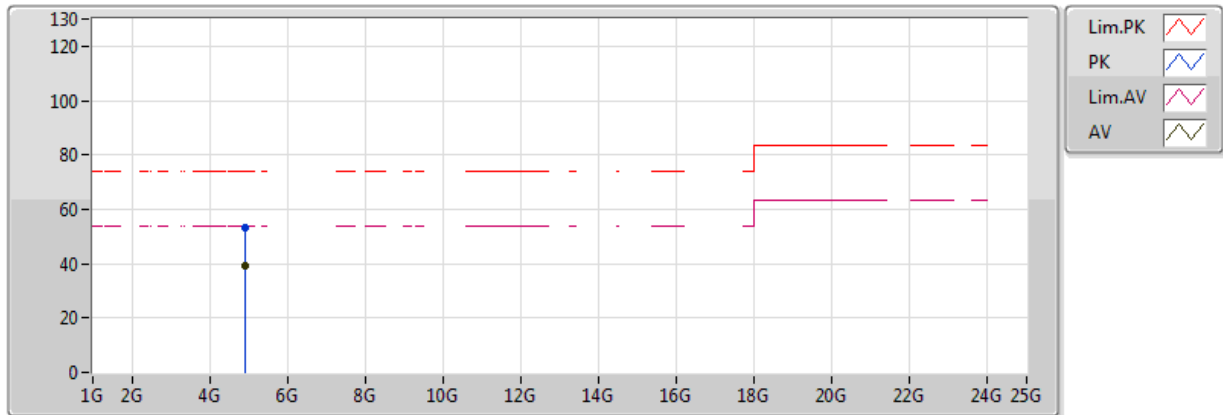


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9038G	45.02	54.00	-8.98	2.41	3	Vertical	171	2.47	-	42.61	31.43	5.49	34.51
PK	4.903G	59.89	74.00	-14.11	2.41	3	Vertical	171	2.47	-	57.48	31.43	5.49	34.51

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX



EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.9036G	39.04	54.00	-14.96	2.41	3	Horizontal	120	1.01	-	36.63	31.43	5.49	34.51
PK	4.9G	53.25	74.00	-20.75	2.40	3	Horizontal	120	1.01	-	50.85	31.42	5.49	34.51