

FCC Test Report

Equipment : AC750 Wi-Fi Range Extender, AV1000 Powerline Edition
Brand Name : TP-Link
Model No. : TL-WPA7510
FCC ID : TE7WPA7510
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant / Manufacturer : TP-Link Technologies Co., Ltd.
Building 24 (floors 1,3,4,5) and 28 (floors1-4) Central
Science and Technology Park,Shennan Rd, Nanshan,
Shenzhen,China

The product sample received on Mar. 15, 2017 and completely tested on Jun. 06, 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	11
3.1	AC Power-line Conducted Emissions	11
3.2	DTS Bandwidth.....	12
3.3	Maximum Conducted Output Power	13
3.4	Power Spectral Density	15
3.5	Emissions in Non-restricted Frequency Bands	16
3.6	Emissions in Restricted Frequency Bands.....	17
4	TEST EQUIPMENT AND CALIBRATION DATA	21
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
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, 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	-	-	Omni-Directional	fixed on board	2.02
2	2	-	-	Omni-Directional	fixed on board	1.96

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) $\geq 1/T$
802.11b	1	0	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.997	0.013	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT20	0.994	0.026	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11n HT40	0.989	0.048	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
- ♦ KDB 662911 D01 v02r01

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	TH06-HY	Ryan	24.5°C / 62%	31/May/2017
Radiated	03CH02-HY	Lynus	23.5°C / 65%	29/May/2017
AC Conduction	CO04-HY	Bear	22°C / 61%	06/Jun/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	MT7620(2.4G): 1.0.6.0
---------------	-----------------------

Mode	Power Setting
802.11b_(1Mbps)_2TX	-
2412MHz	0B,0B
2437MHz	0B,0B
2462MHz	0C,0C
802.11g_(6Mbps)_2TX	-
2412MHz	12,12
2437MHz	25,25
2462MHz	17,17
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	0F,0F
2437MHz	25,25
2462MHz	14,14
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	09,09
2437MHz	11,11
2452MHz	11,11

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA731330 for Co-location RF Exposure Evaluation.	

2.4 Accessories

Accessories				
-	-	-	-	-

2.5 Support Equipment

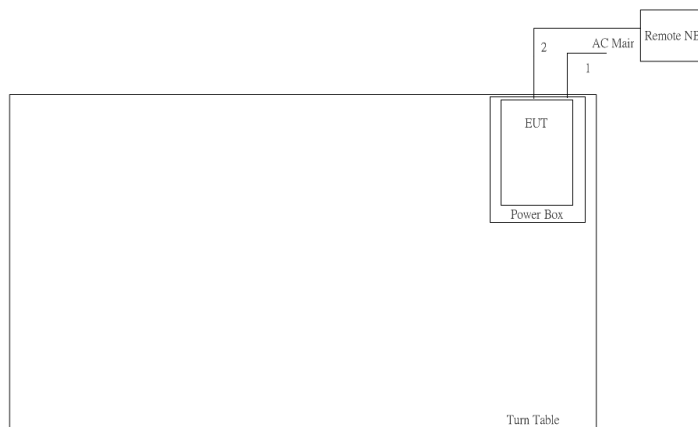
Support Equipment - RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DoC
2	Adapter for NB	DELL	HA65NM130	DoC

Support Equipment - Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(Remote)	DELL	E5410	DoC

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook(Remote)	DELL	E5410	DoC

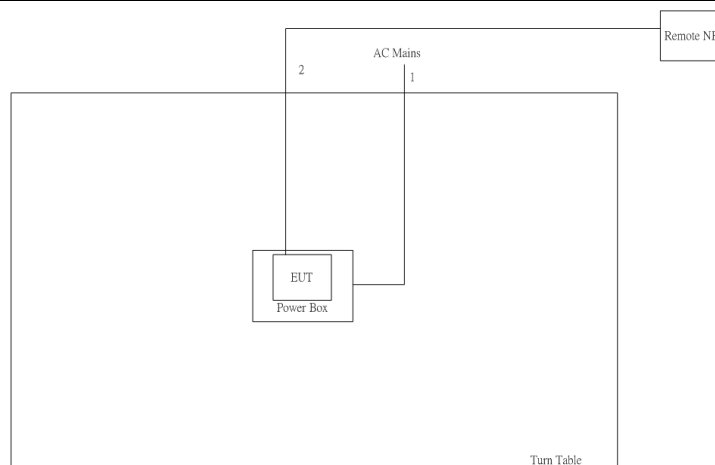
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5m	-
2	RJ-45 cable	No	10.0m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.5m	-
2	RJ-45 cable	No	10.0m	-

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.

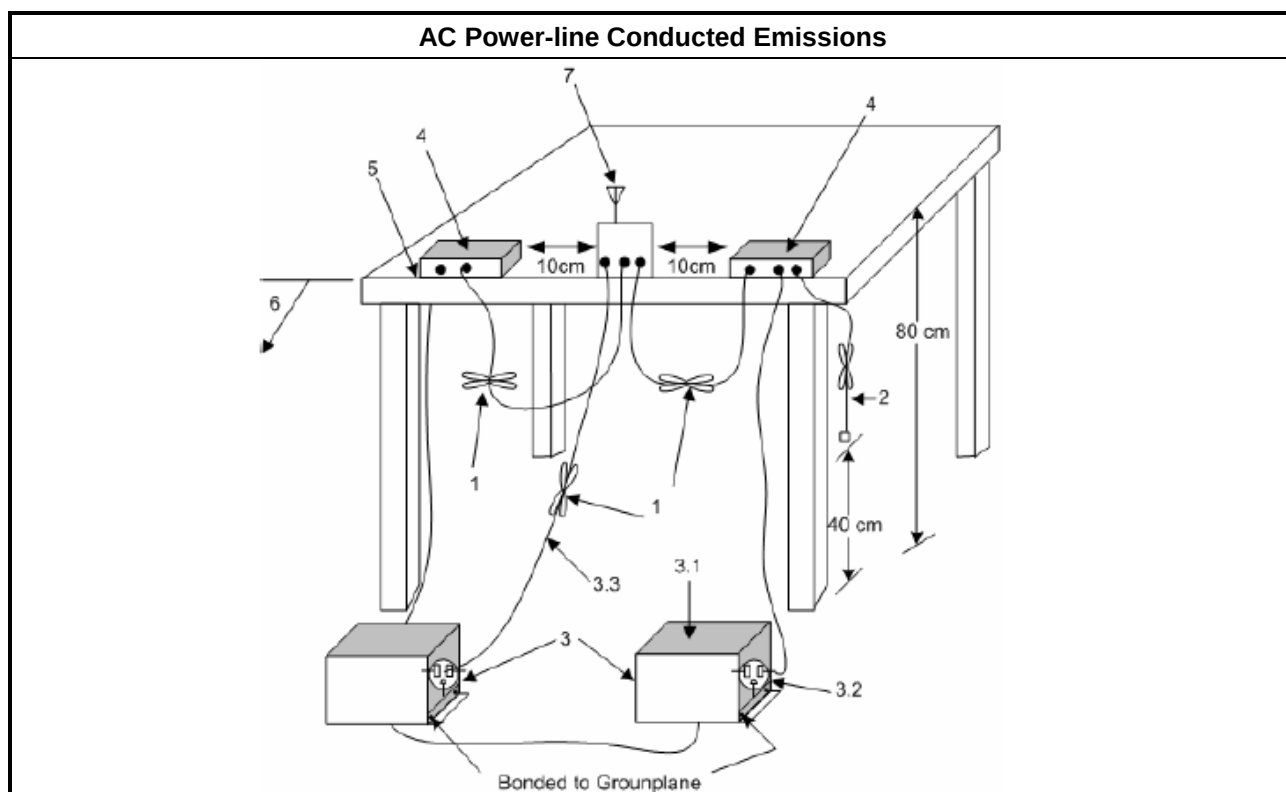
3.1.2 Measuring Instruments

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.

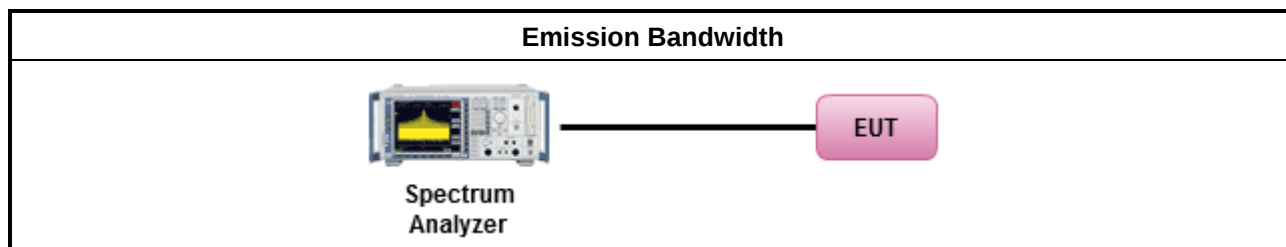
3.2.2 Measuring Instruments

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.		

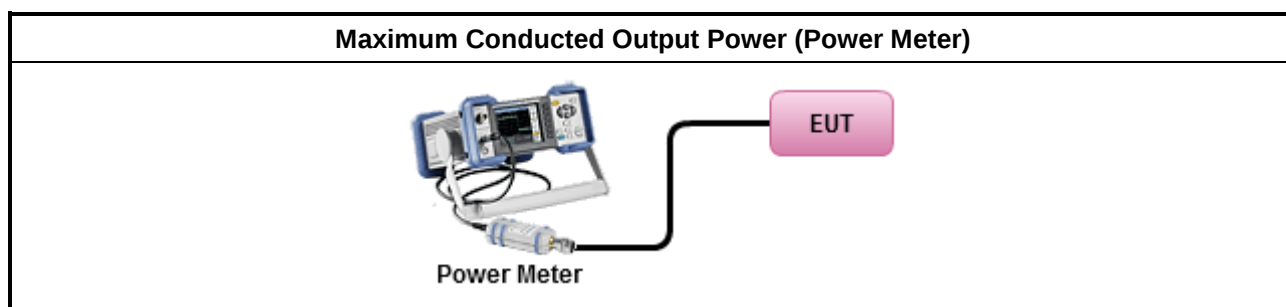
3.3.2 Measuring Instruments

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

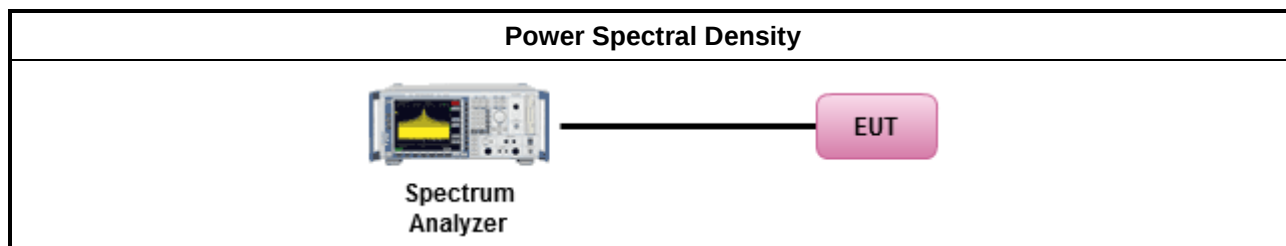
3.4.2 Measuring Instruments

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.	

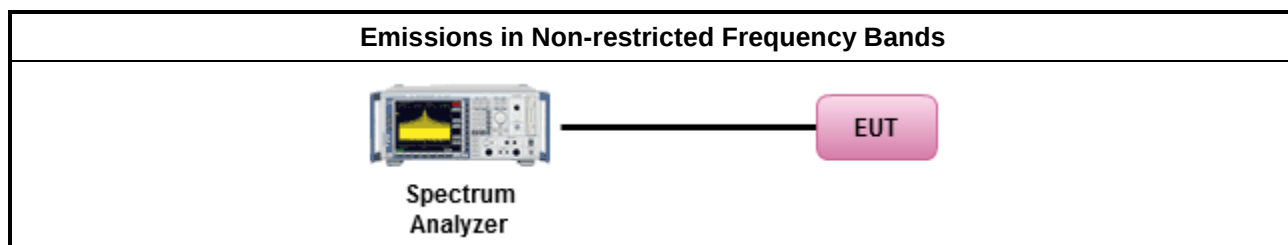
3.5.2 Measuring Instruments

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.

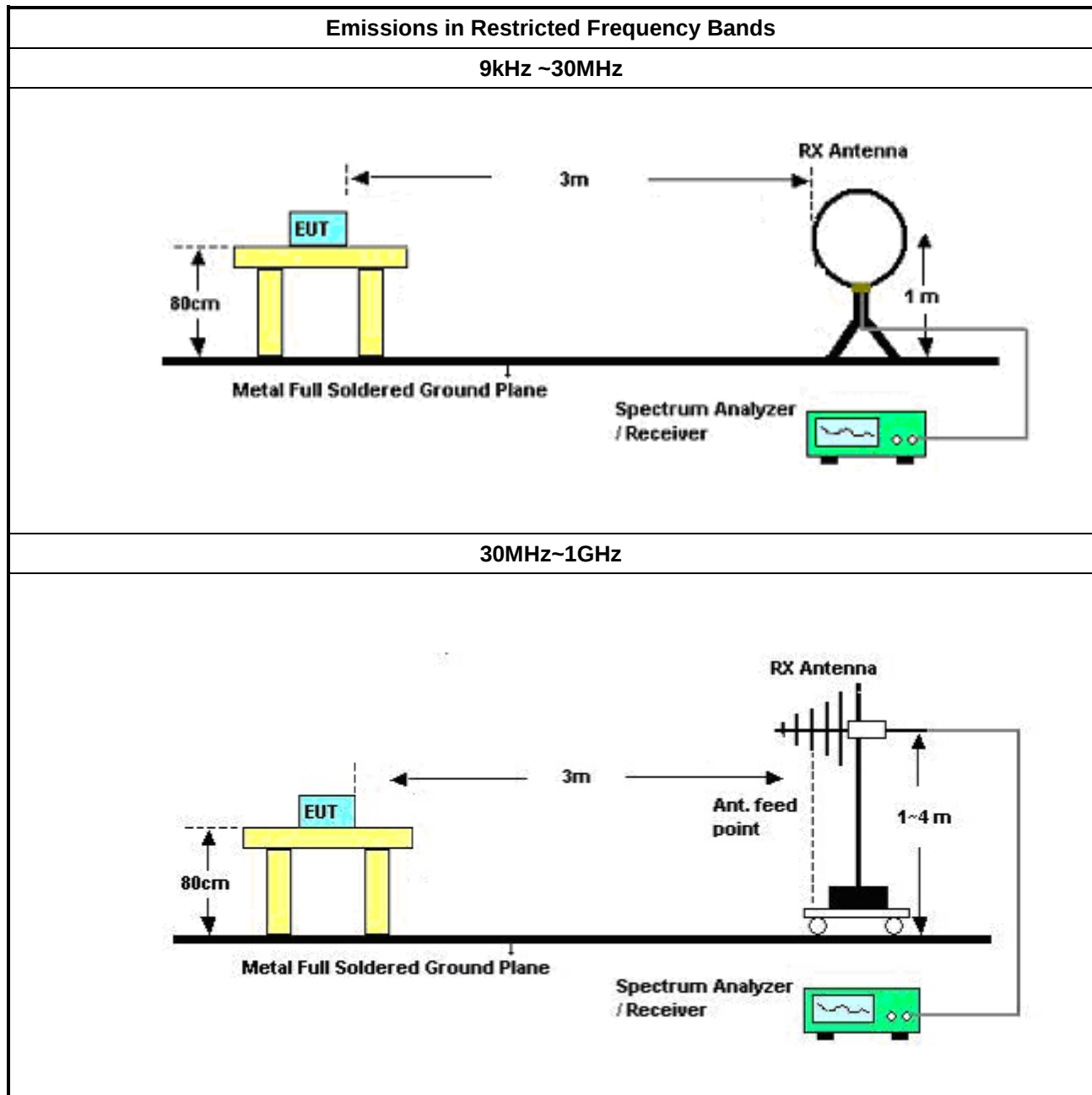
3.6.2 Measuring Instruments

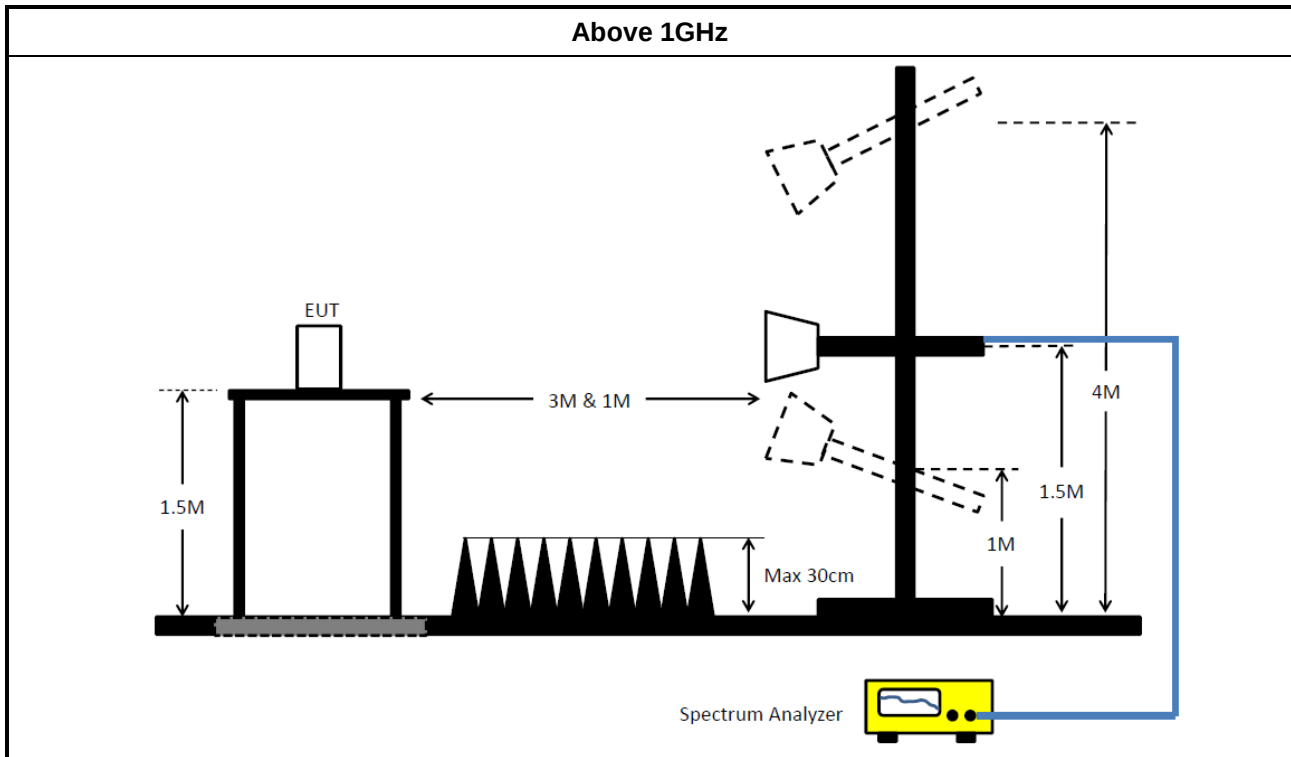
Refer a test equipment and calibration data table in this test report.

3.6.3 Test Procedures

Test Method	
The average emission levels shall be measured in [duty cycle ≥ 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	0761183202000 1	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/2015	20/Oct/2016

NCR : Non-Calibration Require

Instrument for Radiated Test

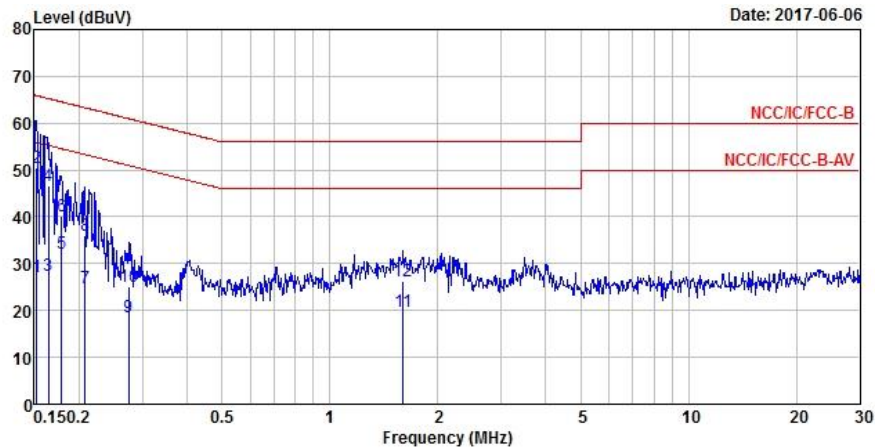
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	03/Jun/2016	02/Jun/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	01/Jul/2016	30/Jun/2017
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170154	15GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Amplifier	MITEQ	JS44-18004000- 33-8P	1840917	18GHz-40GHz	01/Jun/2015	31/May/2017
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	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	1	Power Phase	Neutral
Operating Function	Adapter mode		

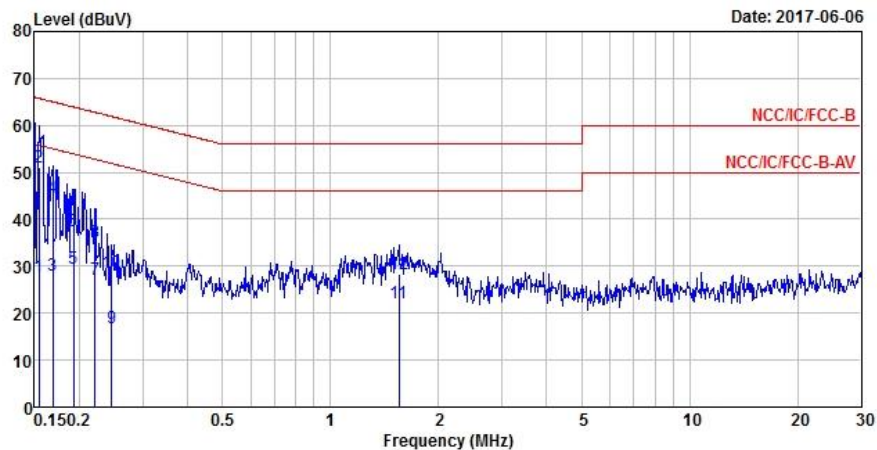


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	27.03	-28.84	55.87	17.21	9.60	0.22	Average
2 MAX	0.15	50.43	-15.44	65.87	40.61	9.60	0.22	QP
3	0.16	27.38	-27.87	55.25	17.52	9.62	0.24	Average
4	0.16	46.77	-18.48	65.25	36.91	9.62	0.24	QP
5	0.18	32.23	-22.32	54.55	22.32	9.64	0.27	Average
6	0.18	40.27	-24.28	64.55	30.36	9.64	0.27	QP
7	0.21	24.77	-28.55	53.32	14.81	9.67	0.29	Average
8	0.21	36.11	-27.21	63.32	26.15	9.67	0.29	QP
9	0.27	18.71	-32.27	50.98	8.85	9.65	0.21	Average
10	0.27	25.03	-35.95	60.98	15.17	9.65	0.21	QP
11	1.60	19.75	-26.25	46.00	9.88	9.63	0.24	Average
12	1.60	26.41	-29.59	56.00	16.54	9.63	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	1	Power Phase	Line
Operating Function	Adapter mode		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.15	27.89	-27.89	55.78	18.01	9.66	0.22	Average
2 MAX	0.15	50.99	-14.79	65.78	41.11	9.66	0.22	QP
3	0.17	27.91	-27.12	55.03	18.00	9.66	0.25	Average
4	0.17	44.47	-20.56	65.03	34.56	9.66	0.25	QP
5	0.19	29.63	-24.30	53.93	19.69	9.65	0.29	Average
6	0.19	37.35	-26.58	63.93	27.41	9.65	0.29	QP
7	0.22	27.03	-25.76	52.79	17.11	9.65	0.27	Average
8	0.22	34.98	-27.81	62.79	25.06	9.65	0.27	QP
9	0.25	16.79	-35.12	51.91	6.89	9.66	0.24	Average
10	0.25	28.54	-33.37	61.91	18.64	9.66	0.24	QP
11	1.55	22.00	-24.00	46.00	12.04	9.73	0.23	Average
12	1.55	28.41	-27.59	56.00	18.45	9.73	0.23	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	12.294M	12M3G1D	10.05M	12.194M
802.11g_(6Mbps)_2TX	-	-	-	-	-
2.4-2.4835GHz	16.575M	25.937M	25M9D1D	16.525M	16.592M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.775M	26.712M	26M7D1D	17.65M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	36.5M	36.332M	36M3D1D	36.45M	36.182M

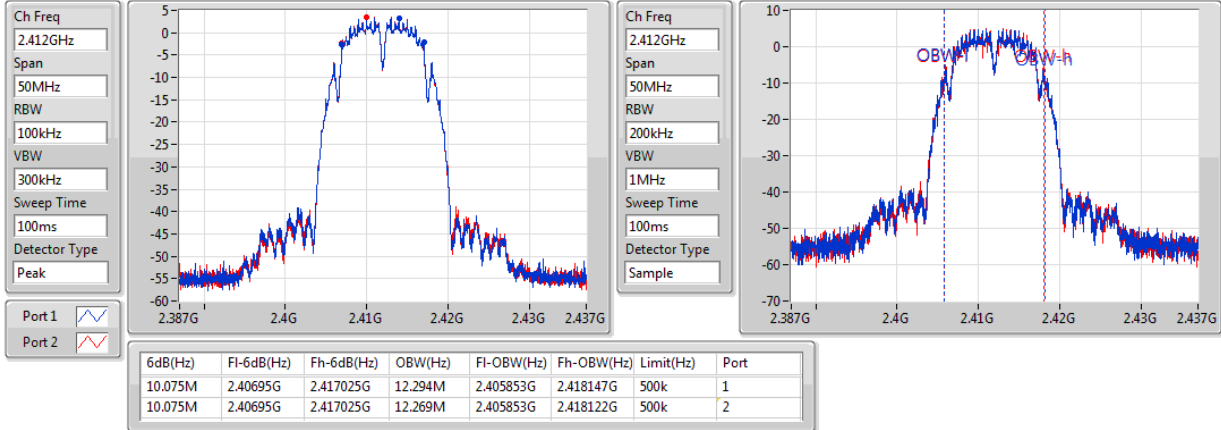
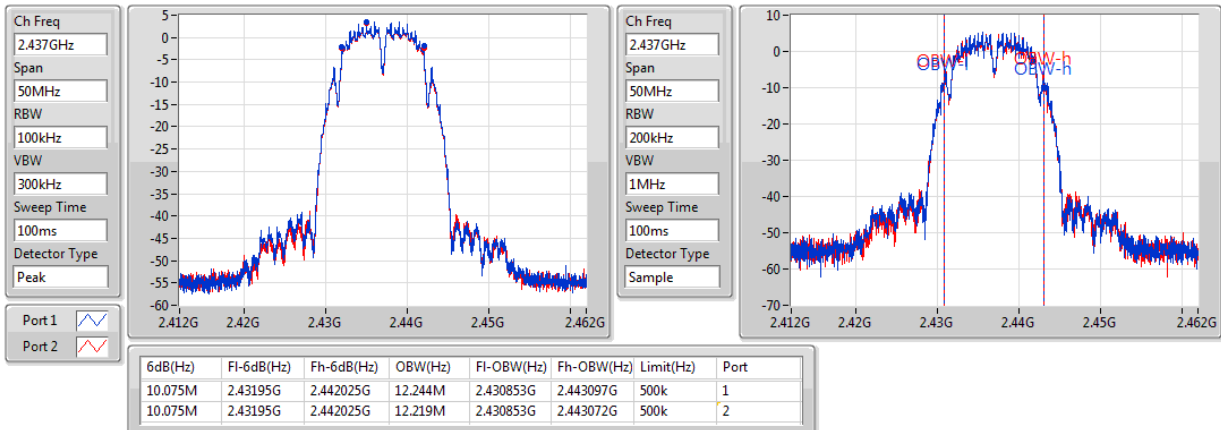
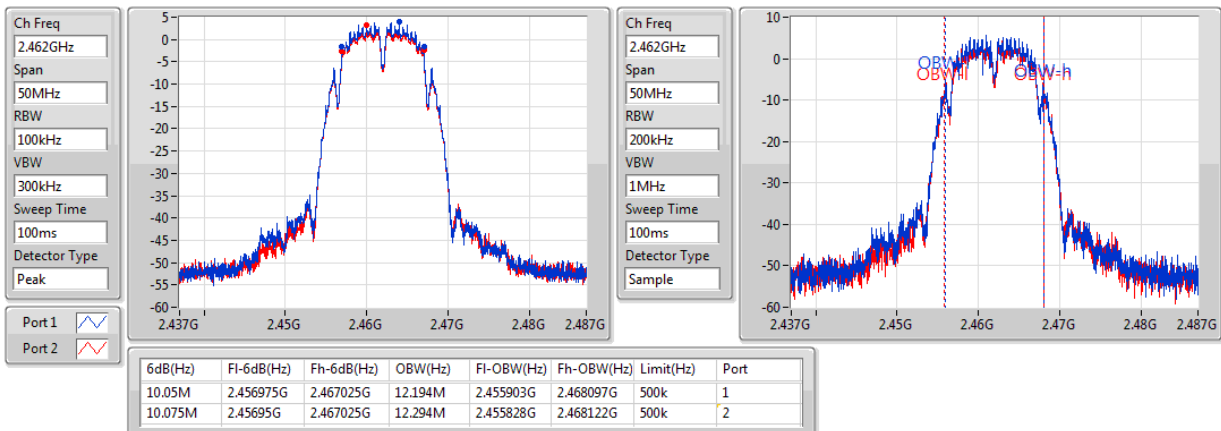
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

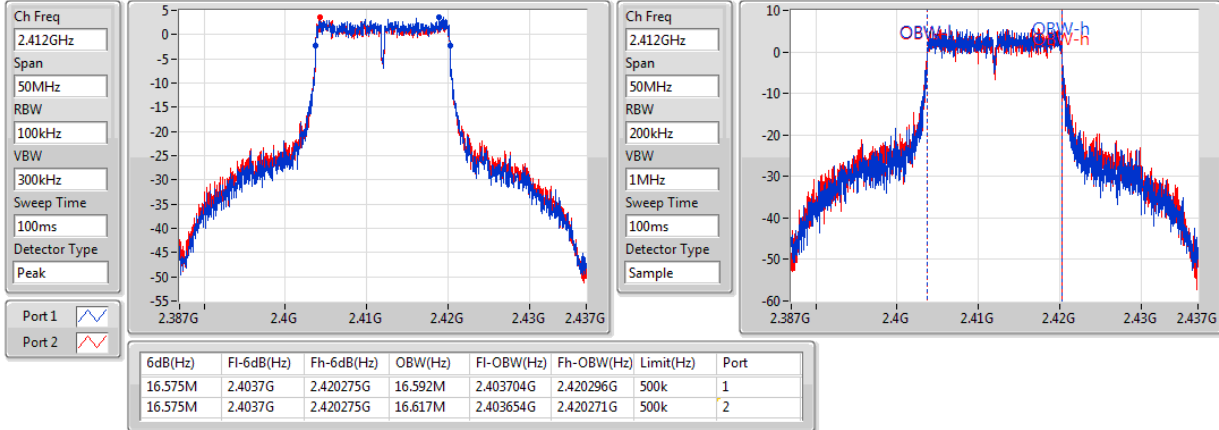
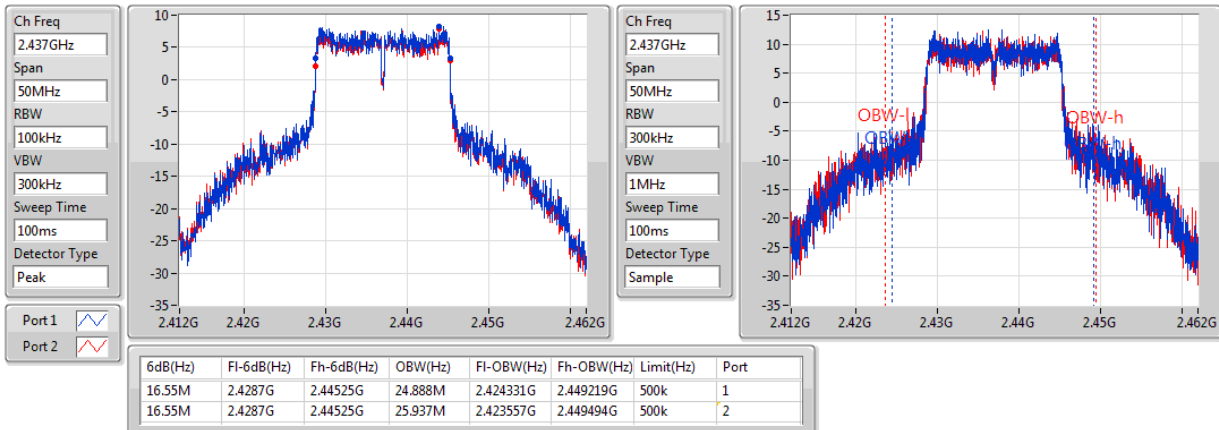
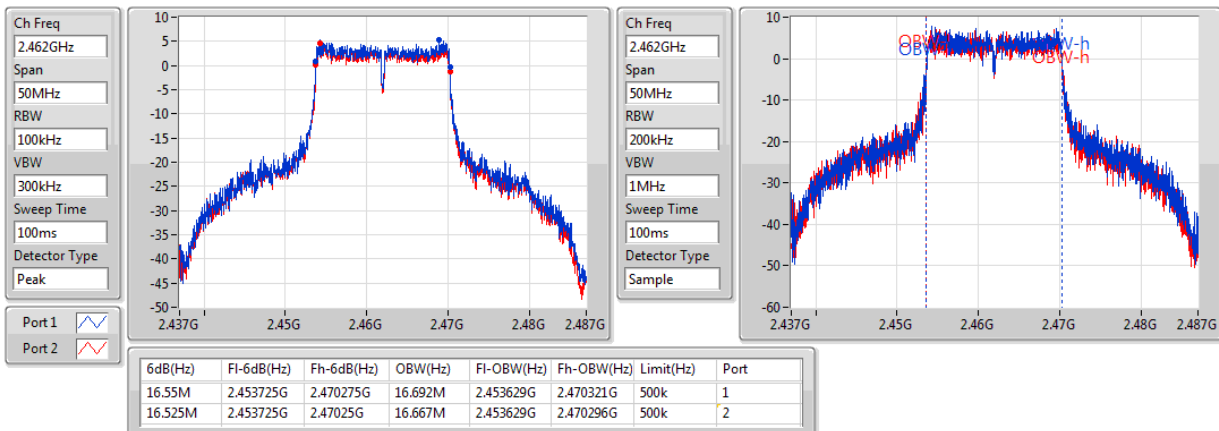
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

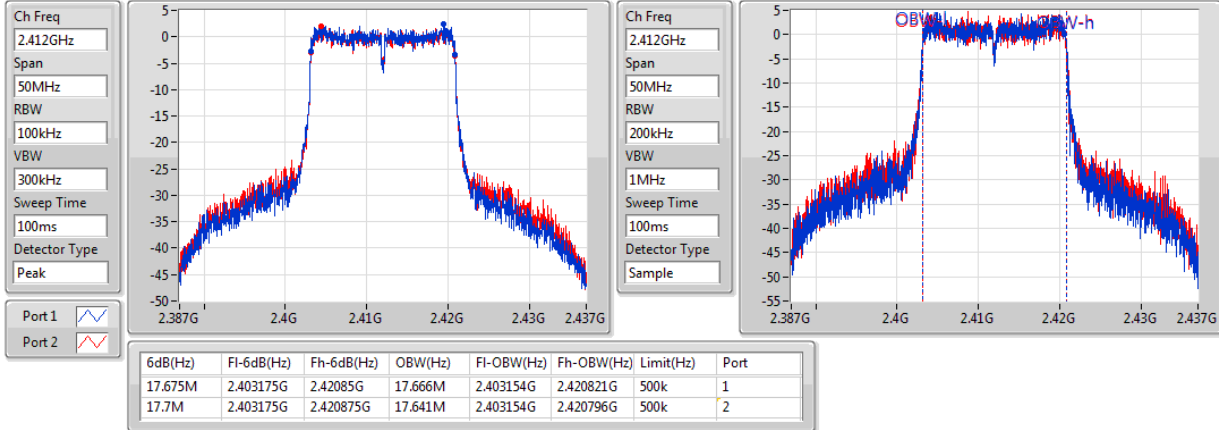
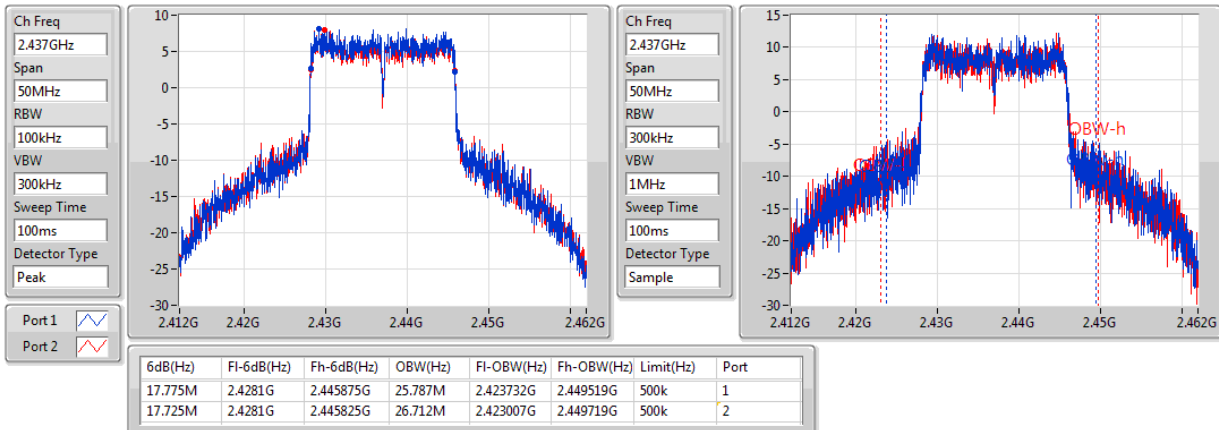
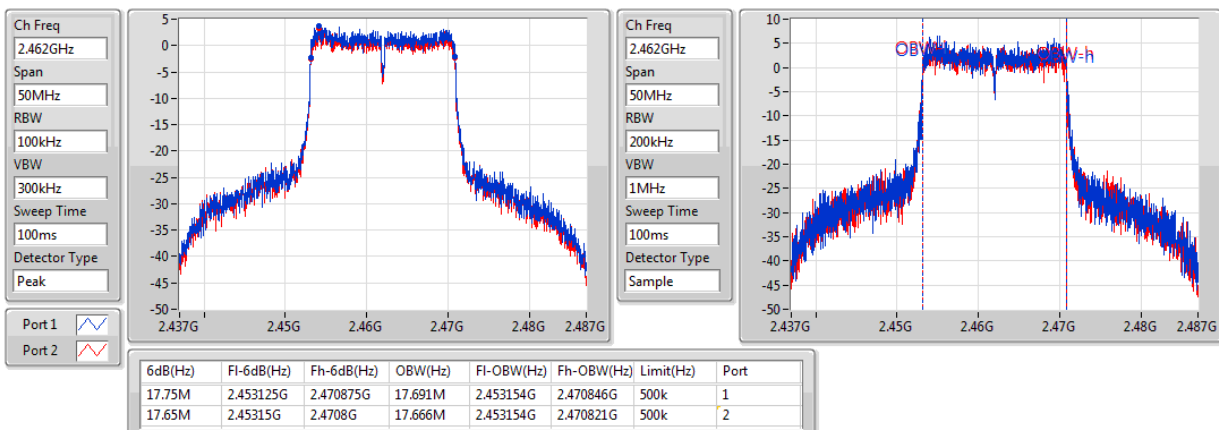
Result

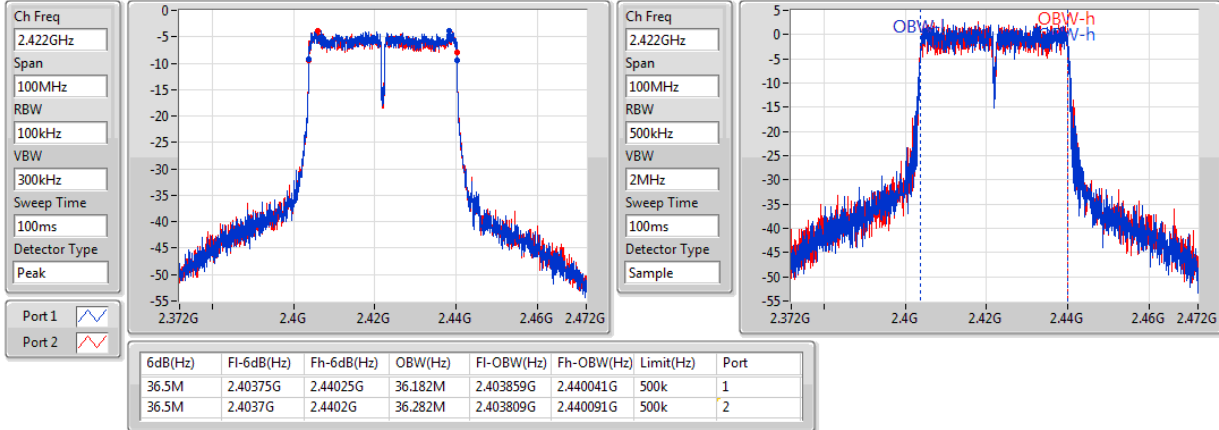
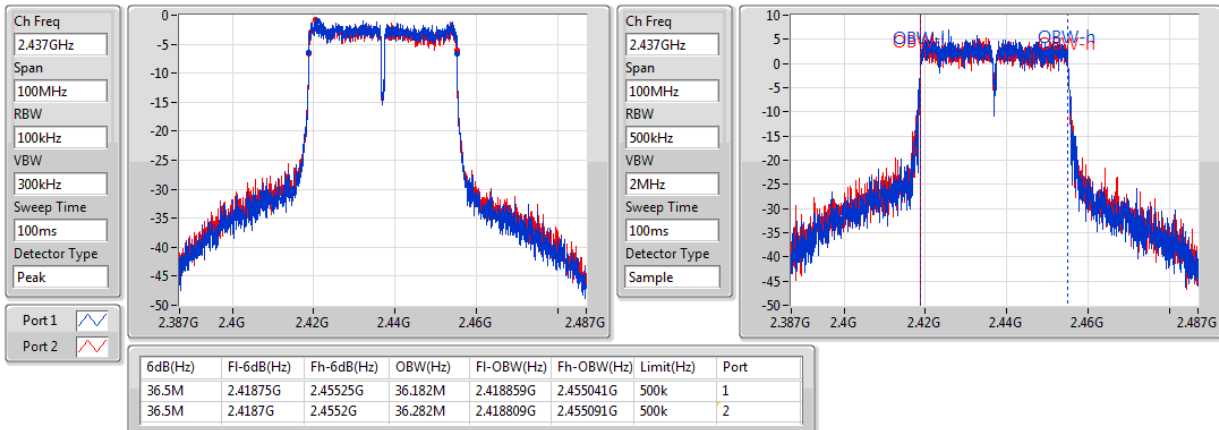
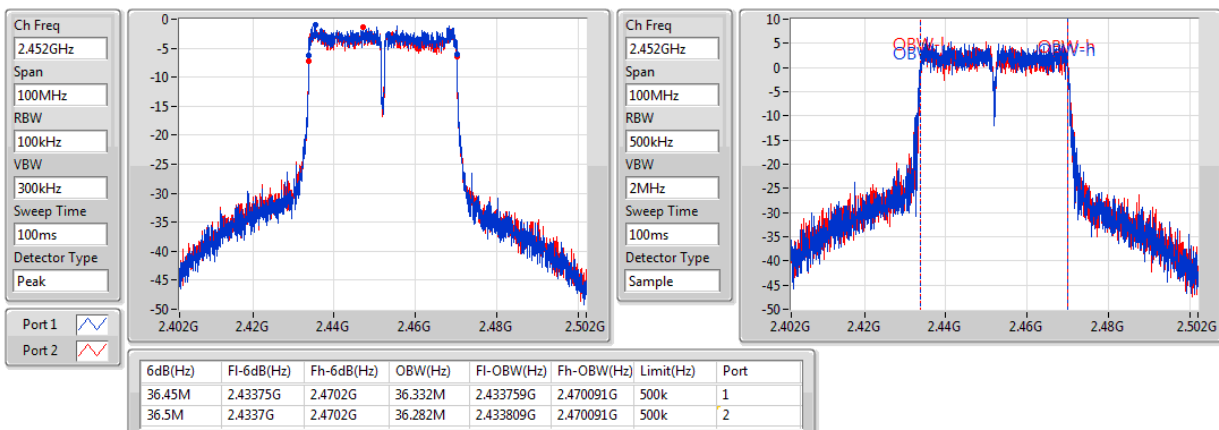
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.075M	12.294M	10.075M	12.269M
2437MHz	Pass	500k	10.075M	12.244M	10.075M	12.219M
2462MHz	Pass	500k	10.05M	12.194M	10.075M	12.294M
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.575M	16.592M	16.575M	16.617M
2437MHz	Pass	500k	16.55M	24.888M	16.55M	25.937M
2462MHz	Pass	500k	16.55M	16.692M	16.525M	16.667M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.675M	17.666M	17.7M	17.641M
2437MHz	Pass	500k	17.775M	25.787M	17.725M	26.712M
2462MHz	Pass	500k	17.75M	17.691M	17.65M	17.666M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.5M	36.182M	36.5M	36.282M
2437MHz	Pass	500k	36.5M	36.182M	36.5M	36.282M
2452MHz	Pass	500k	36.45M	36.332M	36.5M	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

802.11b_(1Mbps)_2TX
EBW
2437MHz

802.11b_(1Mbps)_2TX
EBW
2462MHz


802.11g_(6Mbps)_2TX
EBW
2412MHz

802.11g_(6Mbps)_2TX
EBW
2437MHz

802.11g_(6Mbps)_2TX
EBW
2462MHz


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz


Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_2TX	-	-
2.4-2.4835GHz	17.87	0.06124
802.11g_(6Mbps)_2TX	-	-
2.4-2.4835GHz	25.37	0.34435
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	25.21	0.33189
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.91	0.09795

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.02	14.56	14.68	17.63	30.00
2437MHz	Pass	2.02	14.70	14.53	17.63	30.00
2462MHz	Pass	2.02	15.18	14.52	17.87	30.00
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.02	18.03	17.89	20.97	30.00
2437MHz	Pass	2.02	22.47	22.25	25.37	30.00
2462MHz	Pass	2.02	19.51	18.97	22.26	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.02	16.89	16.87	19.89	30.00
2437MHz	Pass	2.02	22.31	22.08	25.21	30.00
2462MHz	Pass	2.02	18.20	17.64	20.94	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.02	14.13	13.93	17.04	30.00
2437MHz	Pass	2.02	17.03	16.77	19.91	30.00
2452MHz	Pass	2.02	16.79	16.40	19.61	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_2TX	-
2.4-2.4835GHz	-11.01
802.11g_(6Mbps)_2TX	-
2.4-2.4835GHz	-4.00
802.11n HT20_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-3.60
802.11n HT40_Nss1,(MCS0)_2TX	-
2.4-2.4835GHz	-11.68

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	5.00	-15.04	-14.93	-12.00	8.00
2437MHz	Pass	5.00	-14.95	-15.07	-12.02	8.00
2462MHz	Pass	5.00	-14.07	-13.96	-11.01	8.00
802.11g_(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	-11.17	-11.04	-8.12	8.00
2437MHz	Pass	5.00	-6.20	-6.74	-4.00	8.00
2462MHz	Pass	5.00	-9.26	-10.03	-6.76	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.00	-10.98	-11.49	-8.21	8.00
2437MHz	Pass	5.00	-6.61	-6.28	-3.60	8.00
2462MHz	Pass	5.00	-10.25	-10.83	-8.90	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.00	-16.49	-17.32	-14.20	8.00
2437MHz	Pass	5.00	-14.14	-13.61	-11.74	8.00
2452MHz	Pass	5.00	-13.41	-14.39	-11.68	8.00

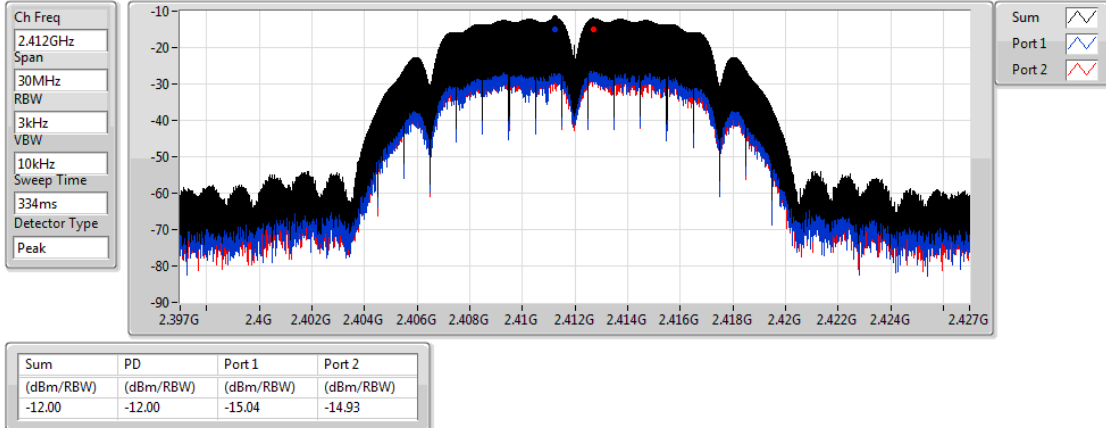
DG = Directional Gain; RBW=3kHz;

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

802.11b_(1Mbps)_2TX

PSD

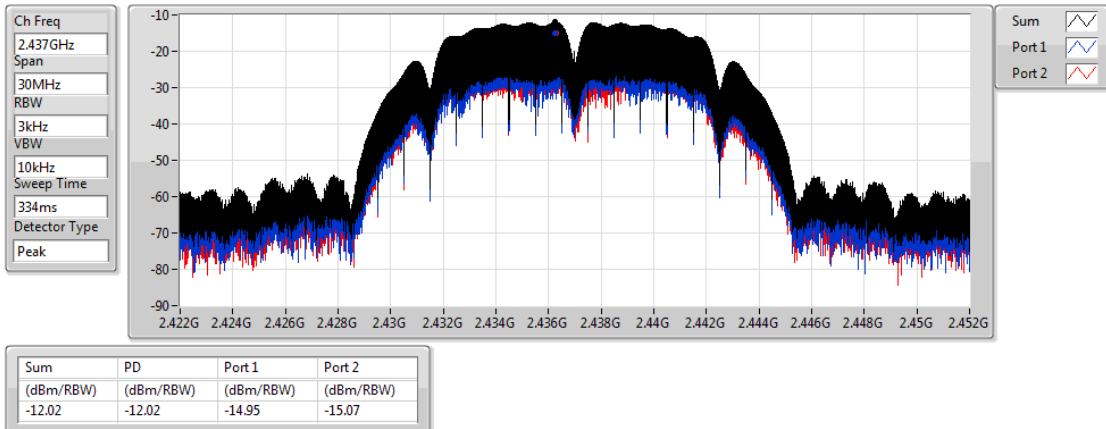
2412MHz



802.11b_(1Mbps)_2TX

PSD

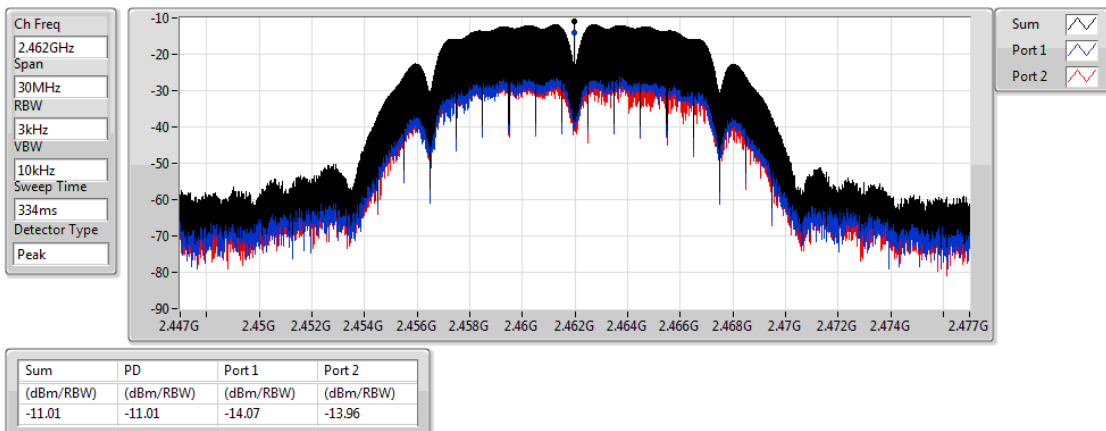
2437MHz



802.11b_(1Mbps)_2TX

PSD

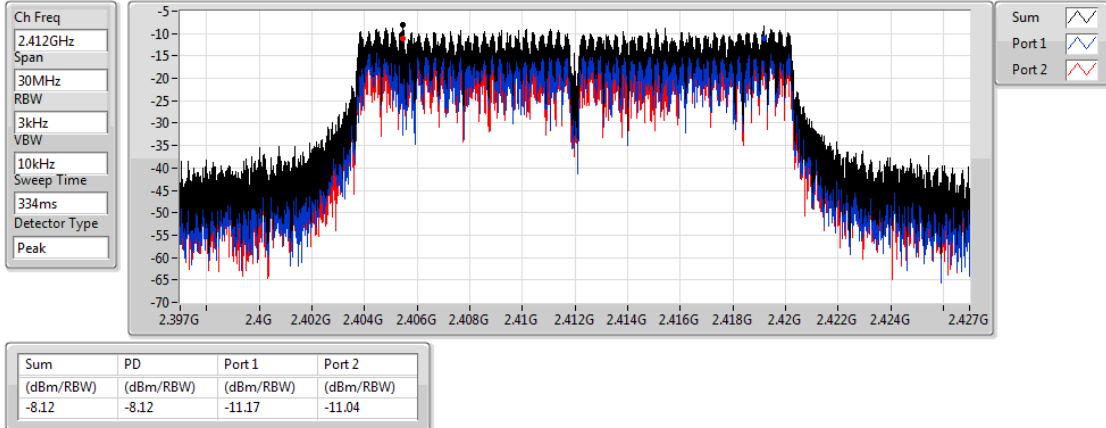
2462MHz



802.11g_(6Mbps)_2TX

PSD

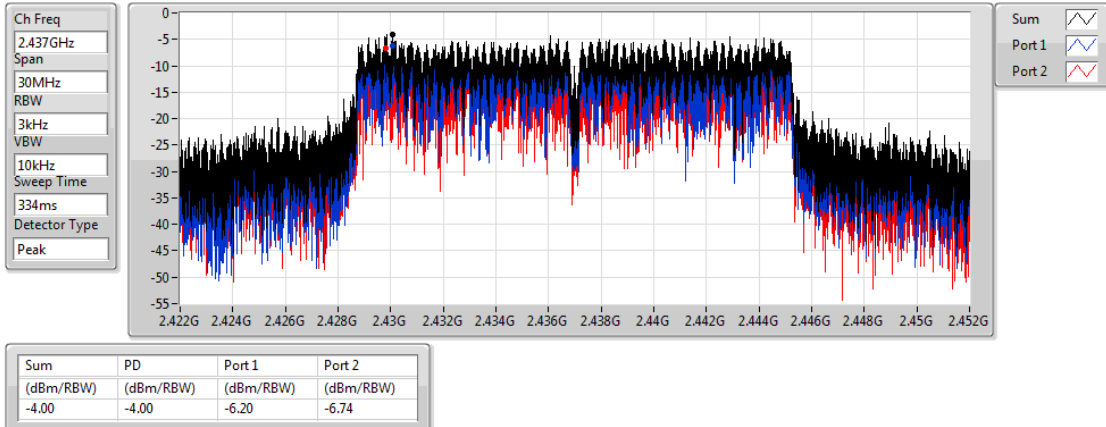
2412MHz



802.11g_(6Mbps)_2TX

PSD

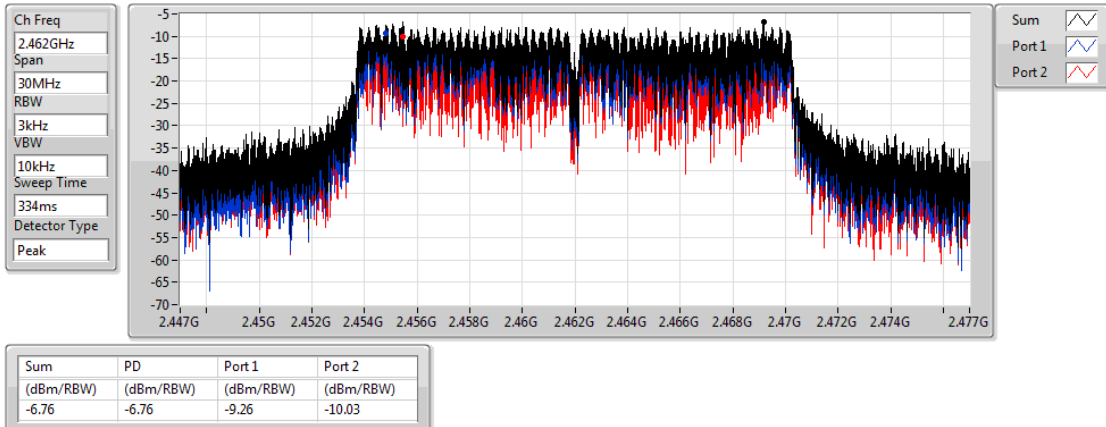
2437MHz



802.11g_(6Mbps)_2TX

PSD

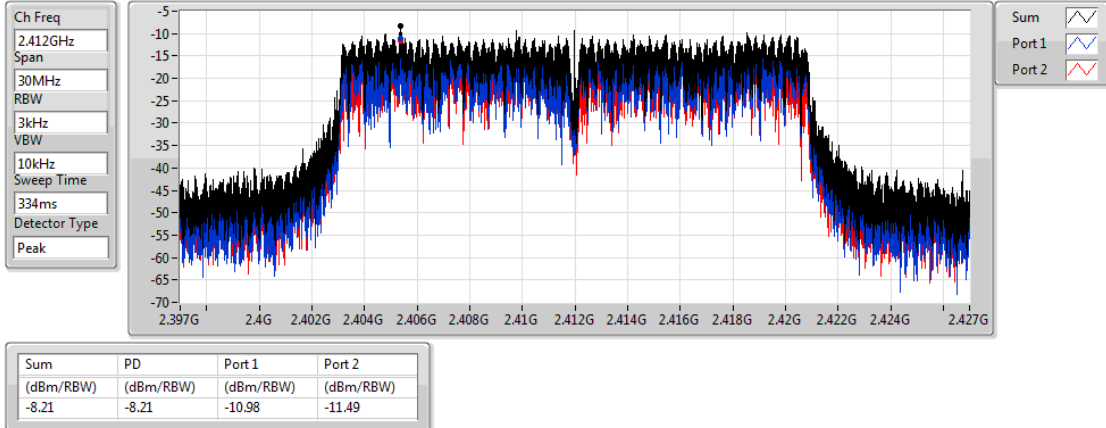
2462MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

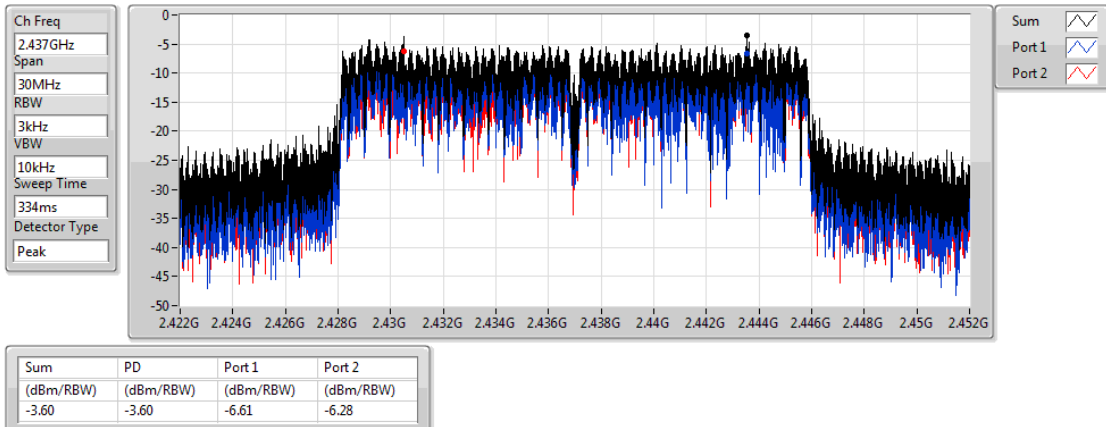
2412MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

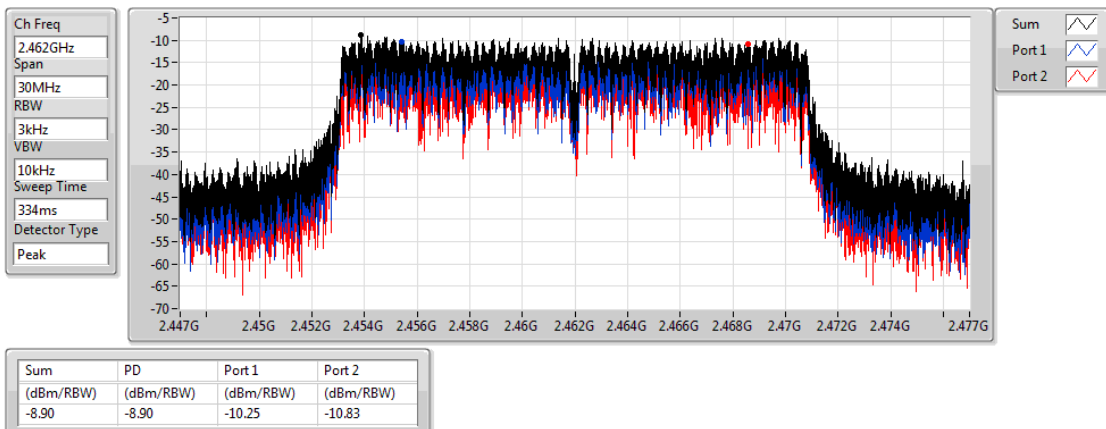
2437MHz



802.11n HT20_Nss1,(MCS0)_2TX

PSD

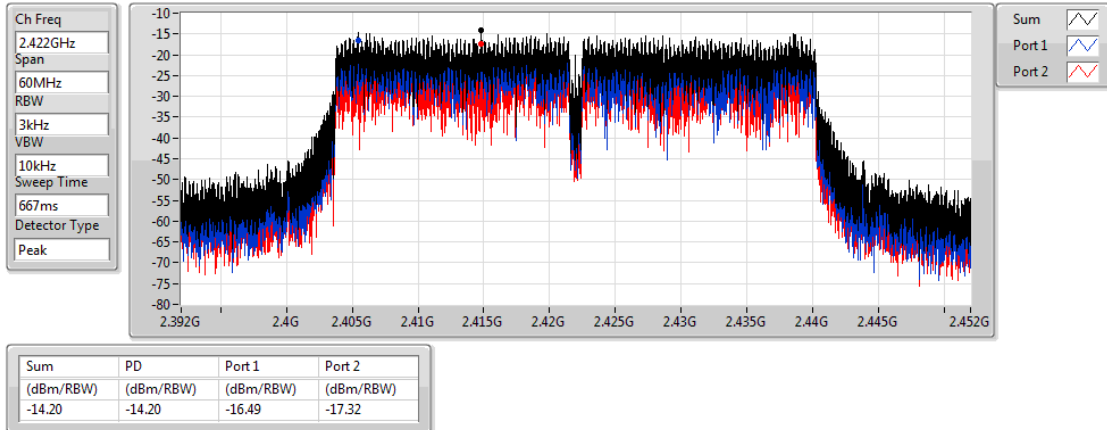
2462MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

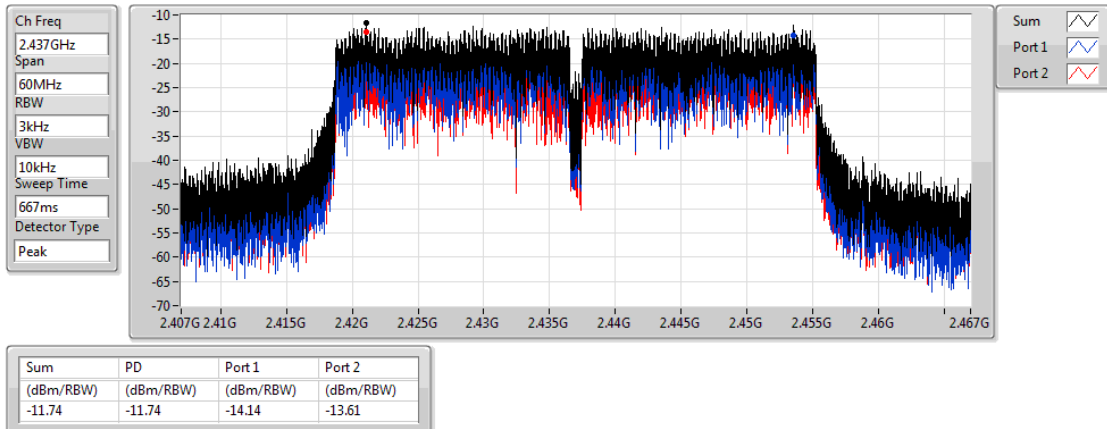
2422MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

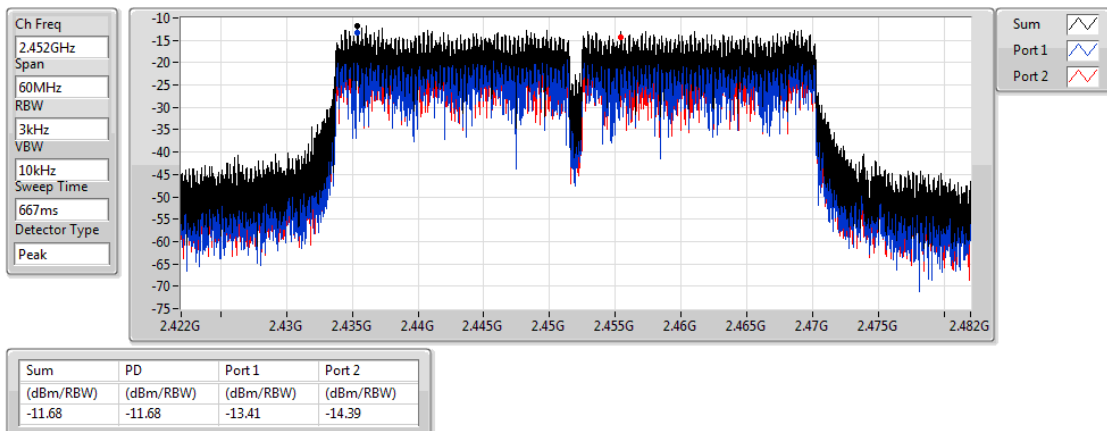
2437MHz



802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz



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_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.42	2.39976G	-23.83	2.49766G	-52.93	3.214652G	-41.90	2

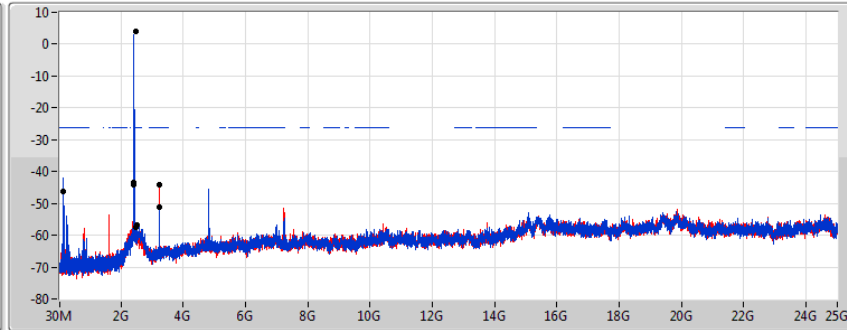
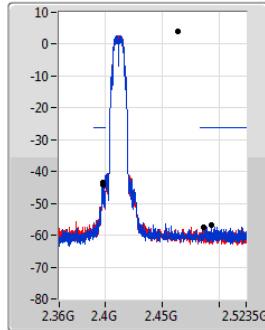
Result

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	2.463961G	3.90	-26.10	147.665M	-46.22	2.39824G	-43.55	2.49278G	-56.73	3.214652G	-51.09	1
2412MHz	Pass	2.463961G	3.90	-26.10	147.665M	-46.12	2.398G	-44.20	2.4863G	-57.60	3.214652G	-43.99	2
2437MHz	Pass	2.463961G	3.90	-26.10	147.665M	-46.17	2.3956G	-58.02	2.51742G	-57.90	3.248367G	-52.66	1
2437MHz	Pass	2.463961G	3.90	-26.10	147.665M	-46.37	2.39768G	-56.42	2.4943G	-56.89	3.248367G	-45.23	2
2462MHz	Pass	2.463961G	3.90	-26.10	147.665M	-46.23	2.39944G	-52.56	2.49182G	-51.39	3.282082G	-51.09	1
2462MHz	Pass	2.463961G	3.90	-26.83	147.665M	-46.15	2.39448G	-52.35	2.4855G	-52.74	3.282082G	-44.00	2
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.43	2.39984G	-23.90	2.48462G	-52.35	3.214652G	-49.43	1
2412MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.42	2.39976G	-23.83	2.49766G	-52.93	3.214652G	-41.90	2
2437MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.46	2.39952G	-36.14	2.48534G	-41.94	2.568453G	-50.59	1
2437MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.36	2.39984G	-36.07	2.4847G	-44.99	3.248367G	-44.95	2
2462MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.35	2.39864G	-51.71	2.48366G	-29.17	24.440897G	-53.49	1
2462MHz	Pass	2.429392G	7.50	-22.50	147.665M	-46.54	2.39568G	-51.44	2.48366G	-30.66	3.282082G	-45.30	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.16	2.3996G	-26.74	2.49518G	-51.79	3.214652G	-48.81	1
2412MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.40	2.39952G	-24.84	2.5195G	-52.70	3.214652G	-41.95	2
2437MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.06	2.3992G	-34.48	2.48422G	-43.03	2.571263G	-51.61	1
2437MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.57	2.39832G	-32.26	2.48382G	-44.38	3.248367G	-45.11	2
2462MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.69	2.39056G	-52.19	2.48382G	-31.38	3.282082G	-52.71	1
2462MHz	Pass	2.430394G	7.52	-22.48	147.665M	-46.77	2.39544G	-51.23	2.4839G	-32.34	3.282082G	-45.02	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.50	2.39872G	-33.82	2.5531G	-55.80	3.228181G	-52.27	1
2422MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.46	2.39872G	-34.14	2.52942G	-56.78	3.228181G	-43.80	2
2437MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.38	2.39712G	-33.89	2.48414G	-42.51	3.247813G	-51.26	1
2437MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.20	2.39888G	-32.38	2.48382G	-39.63	3.247813G	-42.81	2
2452MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.39	2.39952G	-47.49	2.4859G	-34.28	3.267445G	-51.34	1
2452MHz	Pass	2.420374G	-0.80	-30.80	146.79M	-46.67	2.39952G	-45.79	2.4851G	-33.17	3.267445G	-44.13	2

802.11b_(1Mbps)_2TX

CSE NdB

2412MHz

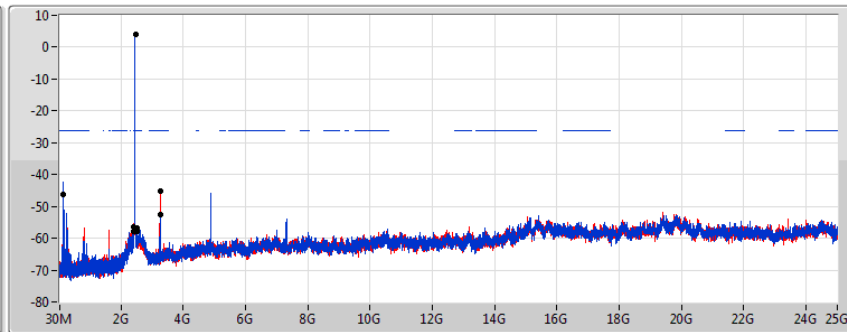
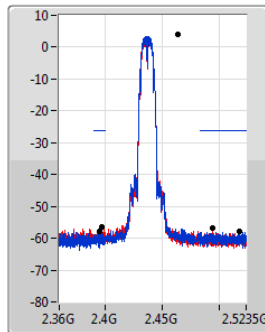

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463961G	3.90	-26.10	147.665M	-46.22	2.39824G	-43.55	2.49278G	-56.73	3.214652G	-51.09	1
2.463961G	3.90	-26.10	147.665M	-46.12	2.398G	-44.20	2.4863G	-57.60	3.214652G	-43.99	2

802.11b_(1Mbps)_2TX

CSE NdB

2437MHz

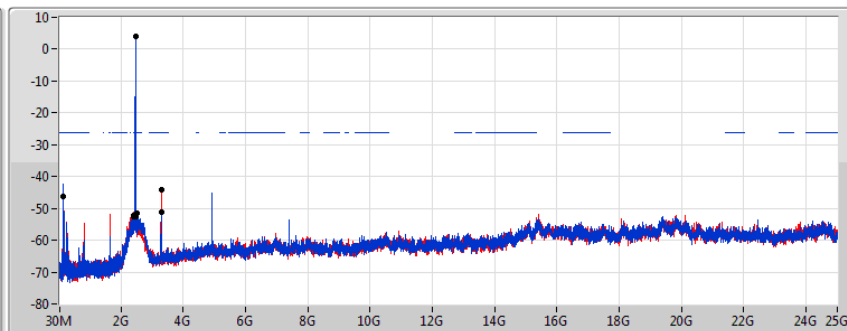
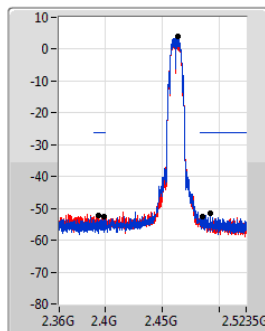

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463961G	3.90	-26.10	147.665M	-46.17	2.3956G	-58.02	2.51742G	-57.90	3.248367G	-52.66	1
2.463961G	3.90	-26.10	147.665M	-46.37	2.39768G	-56.42	2.4943G	-56.89	3.248367G	-45.23	2

802.11b_(1Mbps)_2TX

CSE NdB

2462MHz

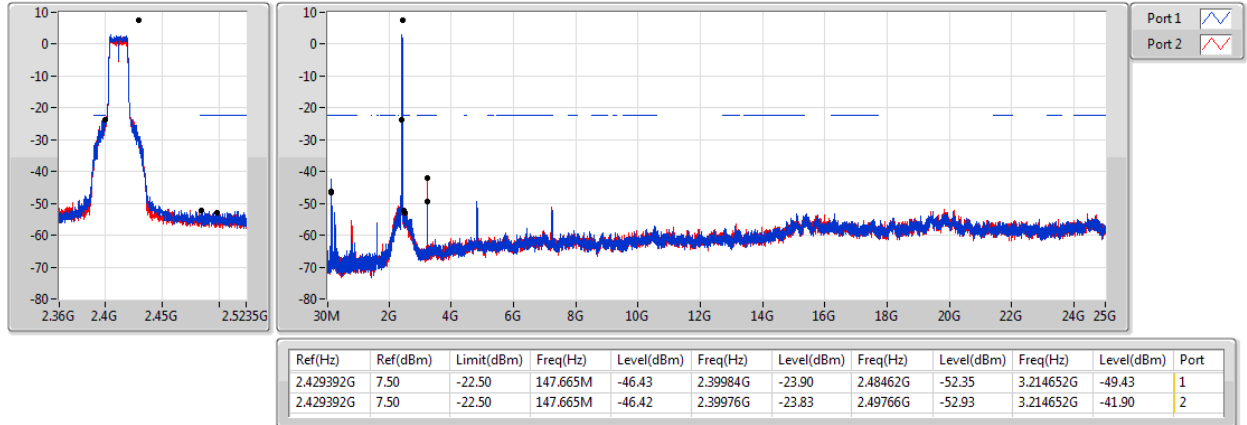

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.463961G	3.90	-26.10	147.665M	-46.23	2.39944G	-52.56	2.49182G	-51.39	3.282082G	-51.09	1
2.463961G	3.90	-26.10	147.665M	-46.15	2.39448G	-52.35	2.4855G	-52.74	3.282082G	-44.00	2

802.11g_(6Mbps)_2TX

CSE NdB

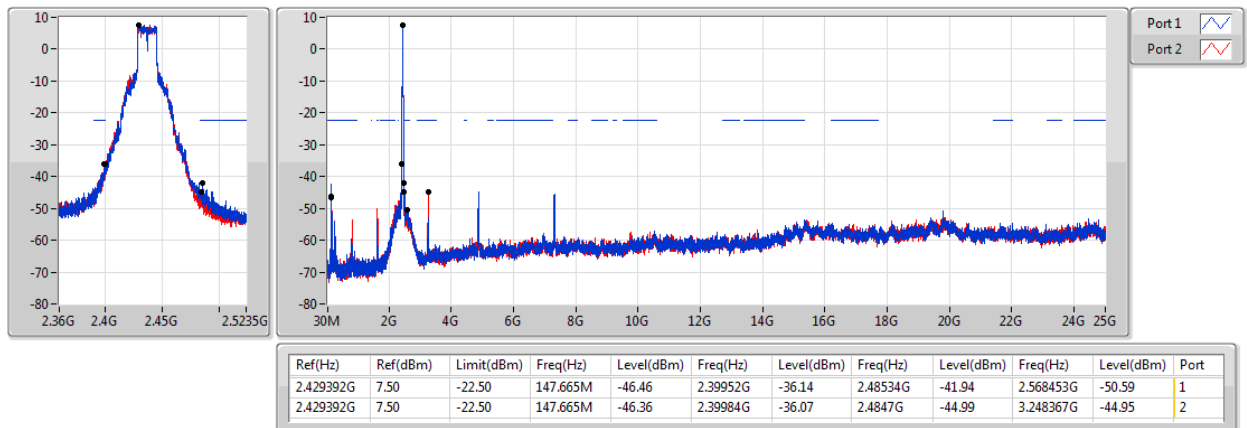
2412MHz



802.11g_(6Mbps)_2TX

CSE NdB

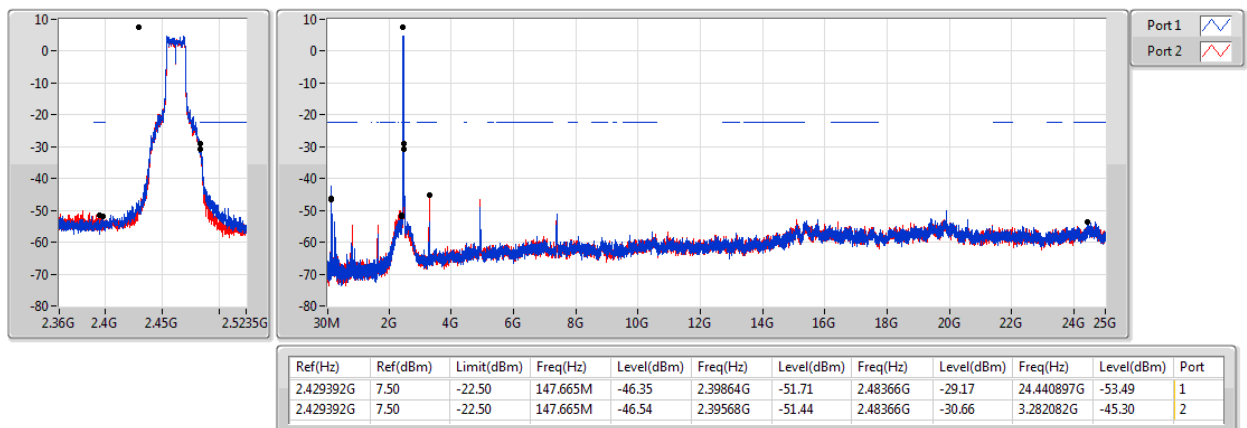
2437MHz



802.11g_(6Mbps)_2TX

CSE NdB

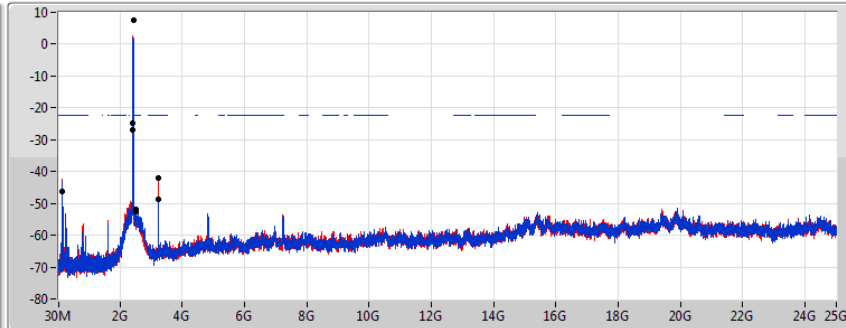
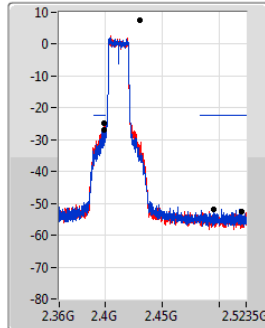
2462MHz



802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2412MHz

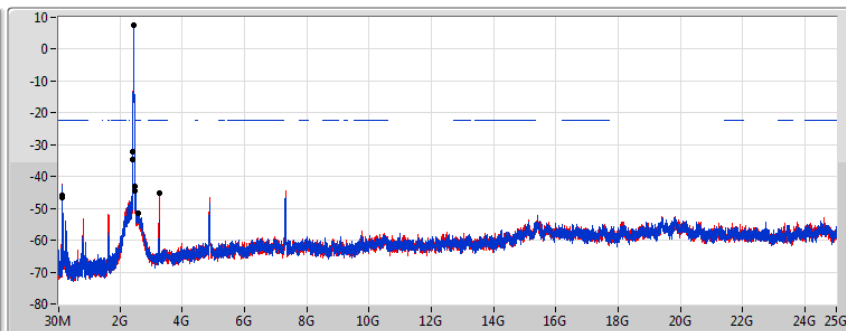
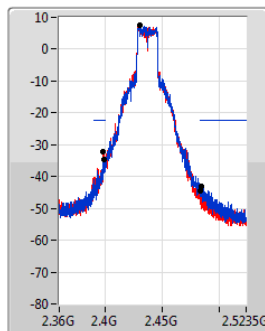

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430394G	7.52	-22.48	147.665M	-46.16	2.3996G	-26.74	2.49518G	-51.79	3.214652G	-48.81	1
2.430394G	7.52	-22.48	147.665M	-46.40	2.39952G	-24.84	2.5195G	-52.70	3.214652G	-41.95	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2437MHz

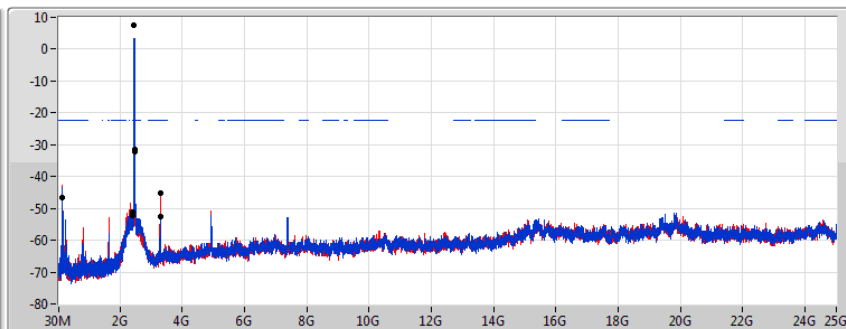
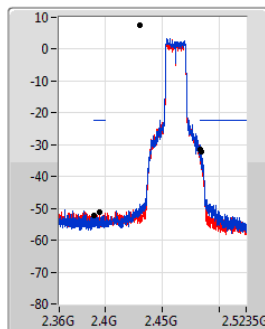

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430394G	7.52	-22.48	147.665M	-46.06	2.3992G	-34.48	2.48422G	-43.03	2.571263G	-51.61	1
2.430394G	7.52	-22.48	147.665M	-46.57	2.39832G	-32.26	2.48382G	-44.38	3.248367G	-45.11	2

802.11n HT20_Nss1,(MCS0)_2TX

CSE NdB

2462MHz

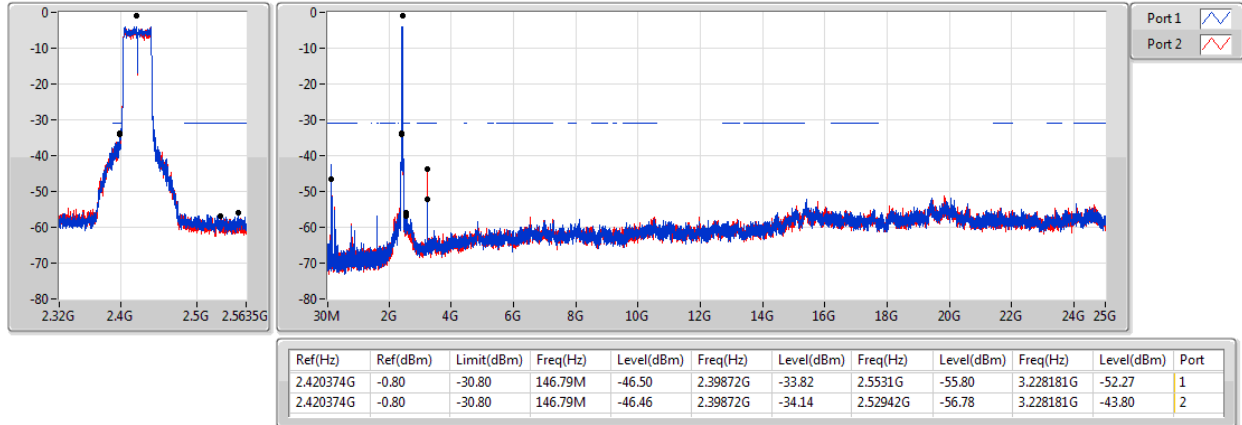

Port 1
Port 2

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.430394G	7.52	-22.48	147.665M	-46.69	2.39056G	-52.19	2.48382G	-31.38	3.282082G	-52.71	1
2.430394G	7.52	-22.48	147.665M	-46.77	2.39544G	-51.23	2.4839G	-32.34	3.282082G	-45.02	2

802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

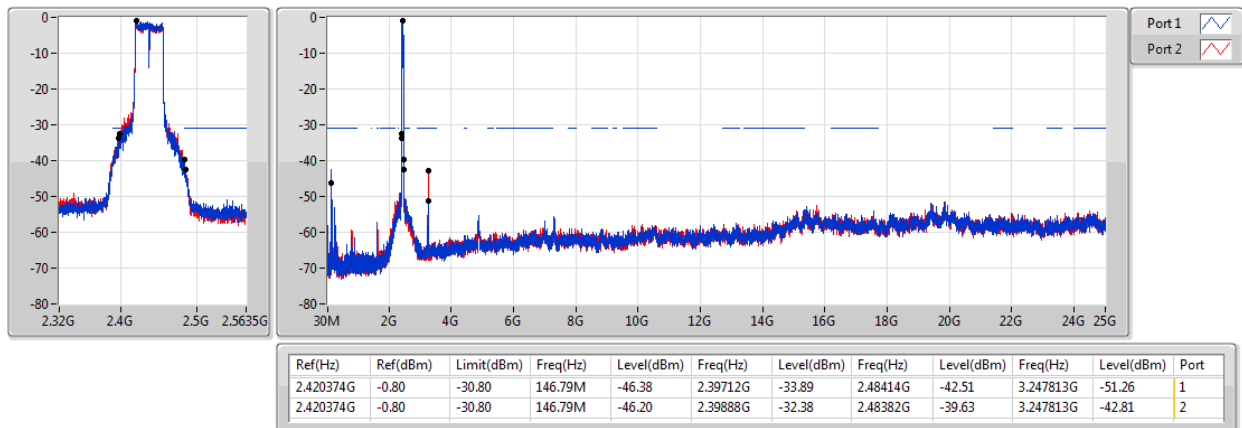
2422MHz



802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

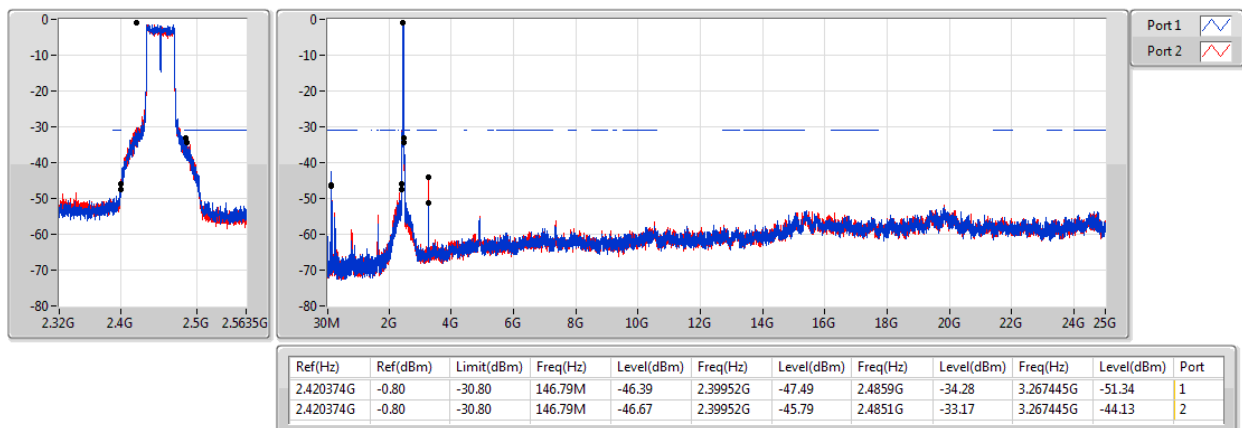
2437MHz



802.11n HT40_Nss1,(MCS0)_2TX

CSE NdB

2452MHz



**Summary**

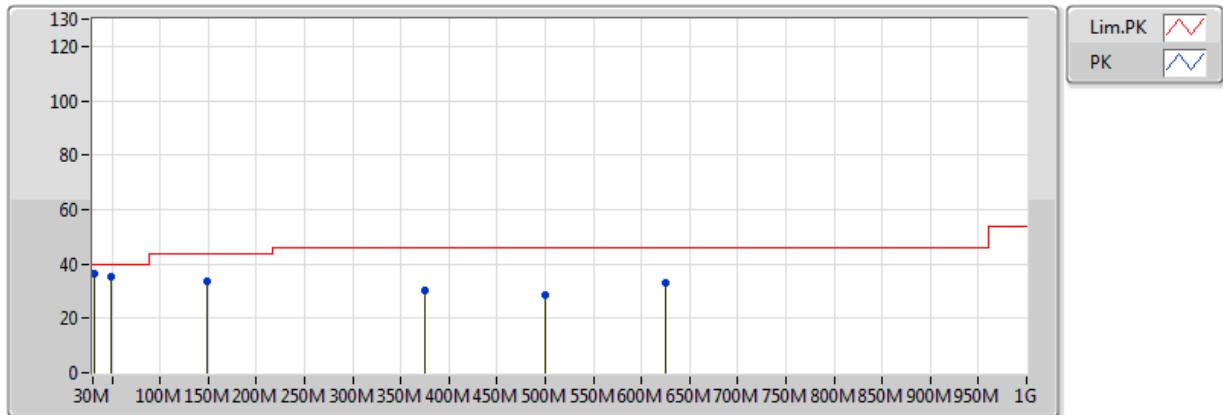
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	31.94M	36.40	40.00	-3.60	-4.12	3	V	0	1.00	-

Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	41.64M	28.50	40.00	-11.50	-4.48	3	H	360	1.00	-
2437MHz	Pass	PK	136.7M	32.25	43.50	-11.25	-3.42	3	H	360	1.00	-
2437MHz	Pass	PK	192.96M	34.59	43.50	-8.91	-2.81	3	H	360	1.00	-
2437MHz	Pass	PK	375.32M	31.69	46.00	-14.31	-1.84	3	H	360	1.00	-
2437MHz	Pass	PK	447.1M	27.80	46.00	-18.20	-1.69	3	H	360	1.00	-
2437MHz	Pass	PK	856.44M	26.98	46.00	-19.02	1.10	3	H	360	1.00	-
2437MHz	Pass	PK	31.94M	36.40	40.00	-3.60	-4.12	3	V	0	1.00	-
2437MHz	Pass	PK	49.4M	35.33	40.00	-4.67	-4.44	3	V	0	1.00	-
2437MHz	Pass	PK	148.34M	33.76	43.50	-9.74	-3.38	3	V	0	1.00	-
2437MHz	Pass	PK	375.32M	30.15	46.00	-15.85	-1.84	3	V	0	1.00	-
2437MHz	Pass	PK	499.48M	28.59	46.00	-17.41	-1.75	3	V	0	1.00	-
2437MHz	Pass	PK	625.58M	33.04	46.00	-12.96	-1.19	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_AC Power Mode

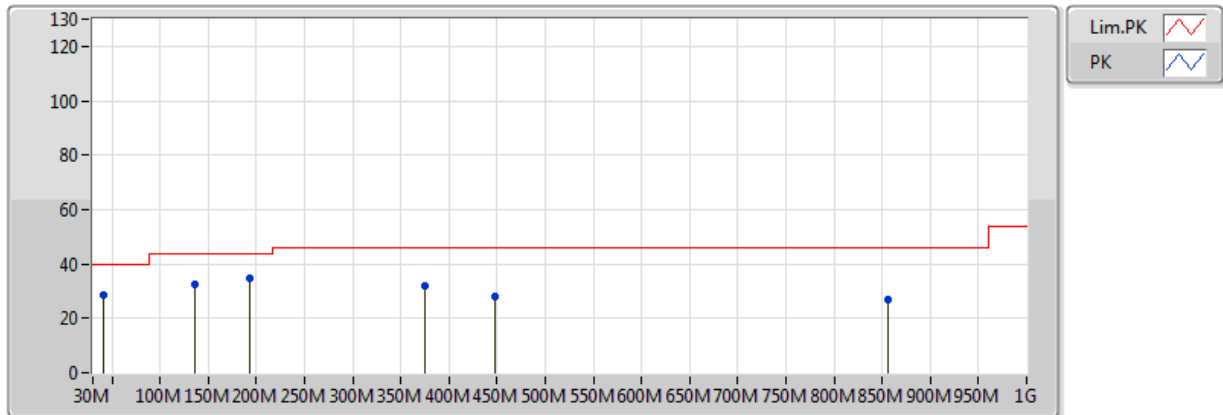


EUT=Y

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	36.40	40.00	-3.60	-4.12	3	V	0	1.00	-
PK	49.4M	35.33	40.00	-4.67	-4.44	3	V	0	1.00	-
PK	148.34M	33.76	43.50	-9.74	-3.38	3	V	0	1.00	-
PK	375.32M	30.15	46.00	-15.85	-1.84	3	V	0	1.00	-
PK	499.48M	28.59	46.00	-17.41	-1.75	3	V	0	1.00	-
PK	625.58M	33.04	46.00	-12.96	-1.19	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_AC Power Mode



EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	41.64M	28.50	40.00	-11.50	-4.48	3	H	360	1.00	-
PK	136.7M	32.25	43.50	-11.25	-3.42	3	H	360	1.00	-
PK	192.96M	34.59	43.50	-8.91	-2.81	3	H	360	1.00	-
PK	375.32M	31.69	46.00	-14.31	-1.84	3	H	360	1.00	-
PK	447.1M	27.80	46.00	-18.20	-1.69	3	H	360	1.00	-
PK	856.44M	26.98	46.00	-19.02	1.10	3	H	360	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	AV	2.39G	53.89	54.00	-0.11	35.81	3	H	355	1.47	-

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	2.3882G	47.62	54.00	-6.38	35.81	3	H	351	1.47	-
2412MHz	Pass	AV	2.4092G	99.59	Inf	-Inf	35.85	3	H	351	1.47	-
2412MHz	Pass	AV	4.824G	53.09	54.00	-0.91	5.06	3	H	202	1.89	-
2412MHz	Pass	PK	2.3794G	59.52	74.00	-14.48	35.79	3	H	351	1.47	-
2412MHz	Pass	PK	2.4094G	103.31	Inf	-Inf	35.85	3	H	351	1.47	-
2412MHz	Pass	PK	4.824G	55.77	74.00	-18.23	5.06	3	H	202	1.89	-
2412MHz	Pass	AV	2.3888G	47.85	54.00	-6.15	35.81	3	V	355	1.52	-
2412MHz	Pass	AV	2.4138G	104.62	Inf	-Inf	35.86	3	V	355	1.52	-
2412MHz	Pass	AV	4.824G	53.33	54.00	-0.67	5.06	3	V	335	1.23	-
2412MHz	Pass	PK	2.3898G	59.81	74.00	-14.19	35.81	3	V	355	1.52	-
2412MHz	Pass	PK	2.4134G	108.40	Inf	-Inf	35.86	3	V	355	1.52	-
2412MHz	Pass	PK	4.824G	55.80	74.00	-18.20	5.06	3	V	335	1.23	-
2437MHz	Pass	AV	2.375G	47.97	54.00	-6.03	35.78	3	H	25	1.21	-
2437MHz	Pass	AV	2.4342G	99.47	Inf	-Inf	35.90	3	H	25	1.21	-
2437MHz	Pass	AV	2.499998G	48.11	54.00	-5.89	36.03	3	H	25	1.21	-
2437MHz	Pass	AV	4.874G	53.51	54.00	-0.49	5.07	3	H	141	1.07	-
2437MHz	Pass	PK	2.375G	59.26	74.00	-14.74	35.78	3	H	25	1.21	-
2437MHz	Pass	PK	2.4346G	103.27	Inf	-Inf	35.90	3	H	25	1.21	-
2437MHz	Pass	PK	2.497G	60.36	74.00	-13.64	36.02	3	H	25	1.21	-
2437MHz	Pass	PK	4.874G	46.20	74.00	-27.80	5.07	3	H	141	1.07	-
2437MHz	Pass	AV	2.3874G	47.86	54.00	-6.14	35.81	3	V	1	1.45	-
2437MHz	Pass	AV	2.4386G	104.39	Inf	-Inf	35.91	3	V	1	1.45	-
2437MHz	Pass	AV	2.4994G	48.33	54.00	-5.67	36.03	3	V	1	1.45	-
2437MHz	Pass	AV	4.874G	53.09	54.00	-0.91	5.07	3	V	44	1.95	-
2437MHz	Pass	PK	2.339G	60.25	74.00	-13.75	35.71	3	V	1	1.45	-
2437MHz	Pass	PK	2.4394G	108.10	Inf	-Inf	35.91	3	V	1	1.45	-
2437MHz	Pass	PK	2.4982G	60.92	74.00	-13.08	36.03	3	V	1	1.45	-
2437MHz	Pass	PK	4.874G	55.72	74.00	-18.28	5.07	3	V	44	1.95	-
2462MHz	Pass	AV	2.4638G	100.81	Inf	-Inf	35.96	3	H	23	1.12	-
2462MHz	Pass	AV	2.4996G	48.35	54.00	-5.65	36.03	3	H	23	1.12	-
2462MHz	Pass	AV	4.924G	53.86	54.00	-0.14	5.09	3	H	203	1.74	-
2462MHz	Pass	PK	2.463G	104.44	Inf	-Inf	35.96	3	H	23	1.12	-
2462MHz	Pass	PK	2.4914G	60.01	74.00	-13.99	36.01	3	H	23	1.12	-
2462MHz	Pass	PK	4.924G	56.41	74.00	-17.59	5.09	3	H	203	1.74	-
2462MHz	Pass	AV	2.4602G	103.70	Inf	-Inf	35.95	3	V	46	1.56	-
2462MHz	Pass	AV	2.4968G	48.86	54.00	-5.14	36.02	3	V	46	1.56	-
2462MHz	Pass	AV	4.924G	53.20	54.00	-0.80	5.09	3	V	328	1.22	-
2462MHz	Pass	PK	2.4604G	107.29	Inf	-Inf	35.95	3	V	46	1.56	-
2462MHz	Pass	PK	2.4972G	61.02	74.00	-12.98	36.02	3	V	46	1.56	-
2462MHz	Pass	PK	4.924G	55.99	74.00	-18.01	5.09	3	V	328	1.22	-
802.11g_(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.89	54.00	-0.11	35.81	3	H	355	1.47	-
2412MHz	Pass	AV	2.405G	101.12	Inf	-Inf	35.84	3	H	355	1.47	-
2412MHz	Pass	AV	4.824G	44.44	54.00	-9.56	5.06	3	H	203	1.47	-
2412MHz	Pass	PK	2.39G	70.63	74.00	-3.37	35.81	3	H	355	1.47	-
2412MHz	Pass	PK	2.4058G	110.50	Inf	-Inf	35.84	3	H	355	1.47	-
2412MHz	Pass	PK	4.824G	57.79	74.00	-16.21	5.06	3	H	203	1.47	-

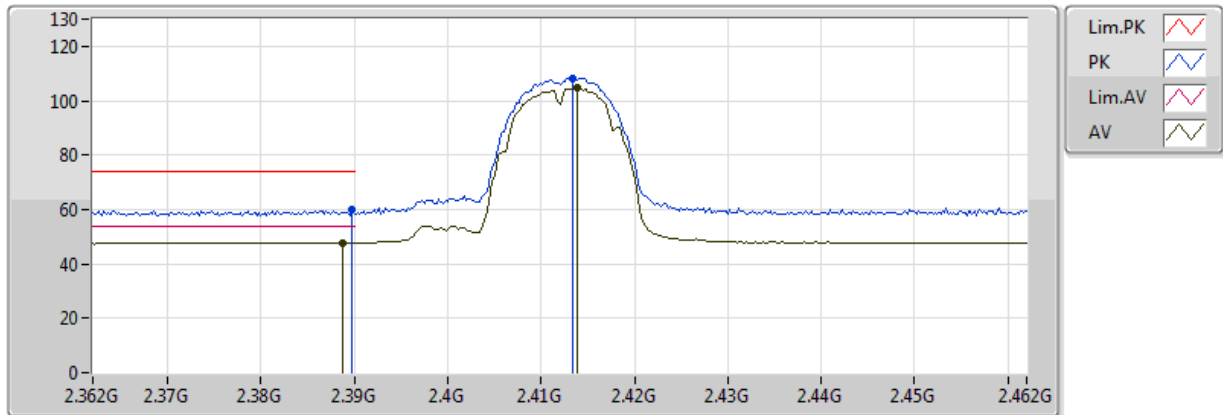
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.39G	53.54	54.00	-0.46	35.81	3	V	358	1.71	-
2412MHz	Pass	AV	2.4192G	104.98	Inf	-Inf	35.87	3	V	358	1.71	-
2412MHz	Pass	AV	4.824G	45.07	54.00	-8.93	5.06	3	V	54	2.00	-
2412MHz	Pass	PK	2.39G	70.74	74.00	-3.26	35.81	3	V	358	1.71	-
2412MHz	Pass	PK	2.419G	114.43	Inf	-Inf	35.87	3	V	358	1.71	-
2412MHz	Pass	PK	4.824G	57.58	74.00	-16.42	5.06	3	V	54	2.00	-
2437MHz	Pass	AV	2.375G	49.07	54.00	-4.93	35.78	3	H	36	1.50	-
2437MHz	Pass	AV	2.4402G	103.91	Inf	-Inf	35.91	3	H	36	1.50	-
2437MHz	Pass	AV	2.483502G	48.95	54.00	-5.05	36.00	3	H	36	1.50	-
2437MHz	Pass	AV	4.874G	50.14	54.00	-3.86	5.07	3	H	204	1.41	-
2437MHz	Pass	AV	7.311G	44.88	54.00	-9.12	7.59	3	H	78	1.04	-
2437MHz	Pass	PK	2.3702G	61.09	74.00	-12.91	35.77	3	H	36	1.50	-
2437MHz	Pass	PK	2.4394G	113.86	Inf	-Inf	35.91	3	H	36	1.50	-
2437MHz	Pass	PK	2.4838G	61.11	74.00	-12.89	36.00	3	H	36	1.50	-
2437MHz	Pass	PK	4.874G	63.72	74.00	-10.28	5.07	3	H	204	1.41	-
2437MHz	Pass	PK	7.311G	58.61	74.00	-15.39	7.59	3	H	78	1.04	-
2437MHz	Pass	AV	2.389998G	51.08	54.00	-2.92	35.81	3	V	0	1.25	-
2437MHz	Pass	AV	2.4302G	108.55	Inf	-Inf	35.89	3	V	0	1.25	-
2437MHz	Pass	AV	2.4846G	50.87	54.00	-3.13	36.00	3	V	0	1.25	-
2437MHz	Pass	AV	4.874G	48.79	54.00	-5.21	5.07	3	V	343	1.37	-
2437MHz	Pass	AV	7.311G	46.99	54.00	-7.01	7.59	3	V	165	1.60	-
2437MHz	Pass	PK	2.389G	64.14	74.00	-9.86	35.81	3	V	0	1.25	-
2437MHz	Pass	PK	2.4298G	118.06	Inf	-Inf	35.89	3	V	0	1.25	-
2437MHz	Pass	PK	2.4846G	66.24	74.00	-7.76	36.00	3	V	0	1.25	-
2437MHz	Pass	PK	4.874G	63.03	74.00	-10.97	5.07	3	V	343	1.37	-
2437MHz	Pass	PK	7.311G	60.84	74.00	-13.16	7.59	3	V	165	1.60	-
2462MHz	Pass	AV	2.4694G	98.38	Inf	-Inf	35.97	3	H	20	1.72	-
2462MHz	Pass	AV	2.483502G	53.05	54.00	-0.95	36.00	3	H	20	1.72	-
2462MHz	Pass	AV	4.924G	44.02	54.00	-9.98	5.09	3	H	195	1.44	-
2462MHz	Pass	PK	2.469G	107.66	Inf	-Inf	35.97	3	H	20	1.72	-
2462MHz	Pass	PK	2.483502G	70.98	74.00	-3.02	36.00	3	H	20	1.72	-
2462MHz	Pass	PK	4.924G	57.71	74.00	-16.29	5.09	3	H	195	1.44	-
2462MHz	Pass	AV	2.4548G	104.26	Inf	-Inf	35.94	3	V	356	1.77	-
2462MHz	Pass	AV	2.483502G	53.10	54.00	-0.90	36.00	3	V	356	1.77	-
2462MHz	Pass	AV	4.924G	46.76	54.00	-7.24	5.09	3	V	174	1.20	-
2462MHz	Pass	PK	2.4548G	113.82	Inf	-Inf	35.94	3	V	356	1.77	-
2462MHz	Pass	PK	2.483502G	69.79	74.00	-4.21	36.00	3	V	356	1.77	-
2462MHz	Pass	PK	4.924G	59.42	74.00	-14.58	5.09	3	V	174	1.20	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.30	54.00	-1.70	35.81	3	H	16	1.29	-
2412MHz	Pass	AV	2.4106G	98.46	Inf	-Inf	35.85	3	H	16	1.29	-
2412MHz	Pass	AV	4.824G	42.06	54.00	-11.94	5.06	3	H	195	1.40	-
2412MHz	Pass	PK	2.39G	71.27	74.00	-2.73	35.81	3	H	16	1.29	-
2412MHz	Pass	PK	2.4112G	108.28	Inf	-Inf	35.85	3	H	16	1.29	-
2412MHz	Pass	PK	4.824G	56.42	74.00	-17.58	5.06	3	H	195	1.40	-
2412MHz	Pass	AV	2.39G	53.44	54.00	-0.56	35.81	3	V	9	3.10	-
2412MHz	Pass	AV	2.404G	101.54	Inf	-Inf	35.84	3	V	9	3.10	-
2412MHz	Pass	AV	4.824G	40.21	54.00	-13.79	2.03	3	V	173	3.52	-
2412MHz	Pass	PK	2.39G	73.12	74.00	-0.88	35.81	3	V	9	3.10	-

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	PK	2.4048G	111.12	Inf	-Inf	35.84	3	V	9	3.10	-
2412MHz	Pass	PK	4.824G	54.76	74.00	-19.24	2.03	3	V	173	3.52	-
2437MHz	Pass	AV	2.375G	48.83	54.00	-5.17	35.78	3	H	17	1.21	-
2437MHz	Pass	AV	2.4354G	104.12	Inf	-Inf	35.90	3	H	17	1.21	-
2437MHz	Pass	AV	2.4962G	48.73	54.00	-5.27	36.02	3	H	17	1.21	-
2437MHz	Pass	AV	4.874G	46.20	54.00	-7.80	2.17	3	H	197	1.50	-
2437MHz	Pass	AV	7.311G	48.73	54.00	-5.27	7.68	3	H	202	1.01	-
2437MHz	Pass	PK	2.3678G	61.00	74.00	-13.00	35.77	3	H	17	1.21	-
2437MHz	Pass	PK	2.4362G	114.30	Inf	-Inf	35.90	3	H	17	1.21	-
2437MHz	Pass	PK	2.4958G	60.67	74.00	-13.33	36.02	3	H	17	1.21	-
2437MHz	Pass	PK	4.874G	60.68	74.00	-13.32	2.17	3	H	197	1.50	-
2437MHz	Pass	PK	7.311G	61.93	74.00	-12.07	7.68	3	H	202	1.01	-
2437MHz	Pass	AV	2.389998G	51.11	54.00	-2.89	35.81	3	V	19	1.47	-
2437MHz	Pass	AV	2.429G	108.01	Inf	-Inf	35.89	3	V	19	1.47	-
2437MHz	Pass	AV	2.4862G	50.50	54.00	-3.50	36.00	3	V	19	1.47	-
2437MHz	Pass	AV	4.874G	49.42	54.00	-4.58	5.07	3	V	169	3.67	-
2437MHz	Pass	AV	7.311G	49.08	54.00	-4.92	7.59	3	V	156	1.96	-
2437MHz	Pass	PK	2.389998G	68.23	74.00	-5.77	35.81	3	V	19	1.47	-
2437MHz	Pass	PK	2.4294G	117.81	Inf	-Inf	35.89	3	V	19	1.47	-
2437MHz	Pass	PK	2.4854G	65.59	74.00	-8.41	36.00	3	V	19	1.47	-
2437MHz	Pass	PK	4.874G	62.89	74.00	-11.11	5.07	3	V	169	3.67	-
2437MHz	Pass	PK	7.311G	63.64	74.00	-10.36	7.59	3	V	156	1.96	-
2462MHz	Pass	AV	2.4592G	98.51	Inf	-Inf	35.95	3	H	17	1.75	-
2462MHz	Pass	AV	2.483502G	52.52	54.00	-1.48	36.00	3	H	17	1.75	-
2462MHz	Pass	AV	4.924G	46.19	54.00	-7.81	5.09	3	H	195	1.44	-
2462MHz	Pass	PK	2.461G	108.09	Inf	-Inf	35.95	3	H	17	1.75	-
2462MHz	Pass	PK	2.483502G	70.33	74.00	-3.67	36.00	3	H	17	1.75	-
2462MHz	Pass	PK	4.924G	60.72	74.00	-13.28	5.09	3	H	195	1.44	-
2462MHz	Pass	AV	2.47G	102.08	Inf	-Inf	35.97	3	V	2	1.10	-
2462MHz	Pass	AV	2.4842G	53.84	54.00	-0.16	36.00	3	V	2	1.10	-
2462MHz	Pass	AV	4.924G	46.39	54.00	-7.61	5.09	3	V	171	1.16	-
2462MHz	Pass	PK	2.4692G	111.80	Inf	-Inf	35.97	3	V	2	1.10	-
2462MHz	Pass	PK	2.483502G	71.18	74.00	-2.82	36.00	3	V	2	1.10	-
2462MHz	Pass	PK	4.924G	60.61	74.00	-13.39	5.09	3	V	171	1.16	-
802.11n HT40_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.70	54.00	-1.30	35.81	3	H	0	1.20	-
2422MHz	Pass	AV	2.4316G	91.73	Inf	-Inf	35.89	3	H	0	1.20	-
2422MHz	Pass	AV	2.4984G	48.17	54.00	-5.83	36.03	3	H	0	1.20	-
2422MHz	Pass	AV	4.844G	38.96	54.00	-15.04	5.06	3	H	118	1.78	-
2422MHz	Pass	PK	2.3888G	66.68	74.00	-7.32	35.81	3	H	0	1.20	-
2422MHz	Pass	PK	2.4324G	102.23	Inf	-Inf	35.89	3	H	0	1.20	-
2422MHz	Pass	PK	2.5G	60.88	74.00	-13.12	36.03	3	H	0	1.20	-
2422MHz	Pass	PK	4.844G	49.12	74.00	-24.88	5.06	3	H	118	1.78	-
2422MHz	Pass	AV	2.3832G	53.79	54.00	-0.21	35.80	3	V	18	1.52	-
2422MHz	Pass	AV	2.4236G	96.50	Inf	-Inf	35.88	3	V	18	1.52	-
2422MHz	Pass	AV	2.4988G	48.33	54.00	-5.67	36.03	3	V	18	1.52	-
2422MHz	Pass	AV	4.844G	38.24	54.00	-15.76	5.06	3	V	202	1.03	-
2422MHz	Pass	PK	2.3884G	68.46	74.00	-5.54	35.81	3	V	18	1.52	-
2422MHz	Pass	PK	2.4248G	105.68	Inf	-Inf	35.88	3	V	18	1.52	-

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	PK	2.5G	60.86	74.00	-13.14	36.03	3	V	18	1.52	-
2422MHz	Pass	PK	4.844G	49.39	74.00	-24.61	5.06	3	V	202	1.03	-
2437MHz	Pass	AV	2.3858G	48.79	54.00	-5.21	35.80	3	H	17	1.32	-
2437MHz	Pass	AV	2.421G	96.95	Inf	-Inf	35.87	3	H	17	1.32	-
2437MHz	Pass	AV	2.483502G	49.74	54.00	-4.26	36.00	3	H	17	1.32	-
2437MHz	Pass	AV	4.874G	40.47	54.00	-13.53	5.07	3	H	195	1.50	-
2437MHz	Pass	PK	2.3858G	61.33	74.00	-12.67	35.80	3	H	17	1.32	-
2437MHz	Pass	PK	2.4202G	106.71	Inf	-Inf	35.87	3	H	17	1.32	-
2437MHz	Pass	PK	2.4838G	61.86	74.00	-12.14	36.00	3	H	17	1.32	-
2437MHz	Pass	PK	4.874G	53.57	74.00	-20.43	5.07	3	H	195	1.50	-
2437MHz	Pass	AV	2.389998G	53.10	54.00	-0.90	35.81	3	V	15	1.52	-
2437MHz	Pass	AV	2.4326G	98.14	Inf	-Inf	35.90	3	V	15	1.52	-
2437MHz	Pass	AV	2.4874G	49.92	54.00	-4.08	36.00	3	V	15	1.52	-
2437MHz	Pass	AV	4.874G	41.61	54.00	-12.39	5.07	3	V	38	1.98	-
2437MHz	Pass	PK	2.389G	68.38	74.00	-5.62	35.81	3	V	15	1.52	-
2437MHz	Pass	PK	2.433G	107.77	Inf	-Inf	35.90	3	V	15	1.52	-
2437MHz	Pass	PK	2.4886G	63.84	74.00	-10.16	36.01	3	V	15	1.52	-
2437MHz	Pass	PK	4.874G	54.91	74.00	-19.09	5.07	3	V	38	1.98	-
2452MHz	Pass	AV	2.3748G	48.53	54.00	-5.47	35.78	3	H	21	1.52	-
2452MHz	Pass	AV	2.4464G	94.64	Inf	-Inf	35.92	3	H	21	1.52	-
2452MHz	Pass	AV	2.4836G	51.94	54.00	-2.06	36.00	3	H	21	1.52	-
2452MHz	Pass	AV	4.904G	40.19	54.00	-13.81	5.08	3	H	195	1.50	-
2452MHz	Pass	PK	2.3876G	60.51	74.00	-13.49	35.81	3	H	21	1.52	-
2452MHz	Pass	PK	2.4444G	104.29	Inf	-Inf	35.92	3	H	21	1.52	-
2452MHz	Pass	PK	2.4836G	64.83	74.00	-9.17	36.00	3	H	21	1.52	-
2452MHz	Pass	PK	4.904G	53.52	74.00	-20.48	5.08	3	H	195	1.50	-
2452MHz	Pass	AV	2.3744G	49.10	54.00	-4.90	35.78	3	V	0	1.47	-
2452MHz	Pass	AV	2.4356G	99.05	Inf	-Inf	35.90	3	V	0	1.47	-
2452MHz	Pass	AV	2.4928G	53.36	54.00	-0.64	36.02	3	V	0	1.47	-
2452MHz	Pass	AV	4.904G	41.20	54.00	-12.80	5.08	3	V	38	2.65	-
2452MHz	Pass	PK	2.3608G	61.57	74.00	-12.43	35.76	3	V	0	1.47	-
2452MHz	Pass	PK	2.4352G	108.62	Inf	-Inf	35.90	3	V	0	1.47	-
2452MHz	Pass	PK	2.4904G	67.66	74.00	-6.34	36.01	3	V	0	1.47	-
2452MHz	Pass	PK	4.904G	54.74	74.00	-19.26	5.08	3	V	38	2.65	-

802.11b_(1Mbps)_2TX

2412MHz_TX

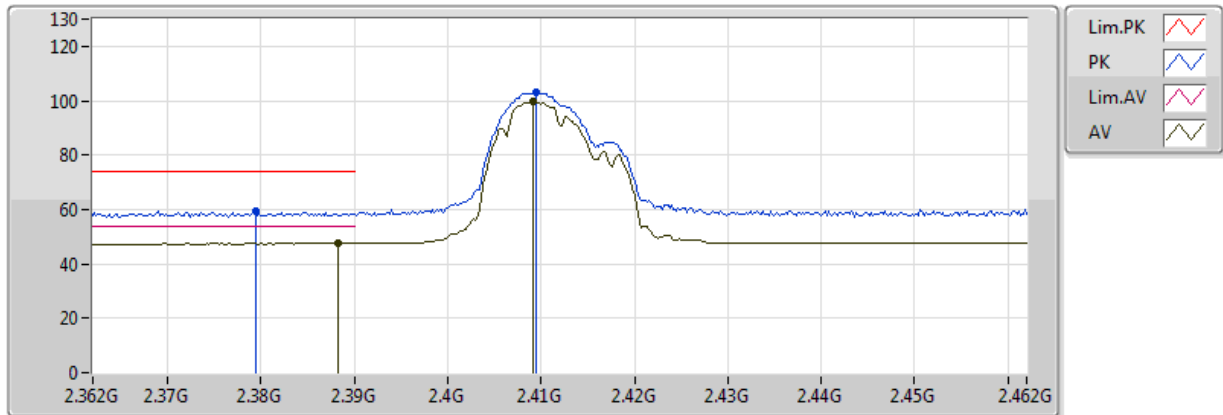


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4138G	104.62	Inf	-Inf	35.86	3	V	355	1.52	-
AV	2.3888G	47.85	54.00	-6.15	35.81	3	V	355	1.52	-
PK	2.4134G	108.40	Inf	-Inf	35.86	3	V	355	1.52	-
PK	2.3898G	59.81	74.00	-14.19	35.81	3	V	355	1.52	-

802.11b_(1Mbps)_2TX

2412MHz_TX

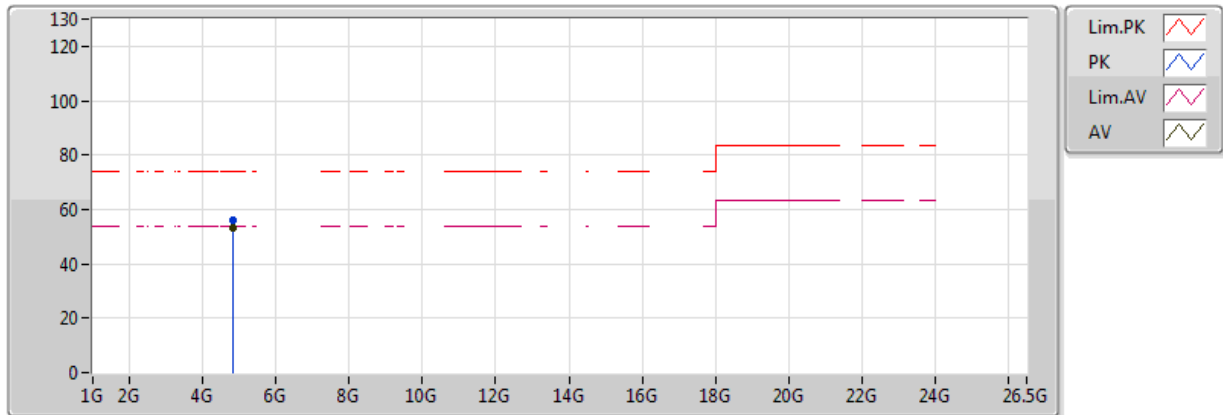


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4092G	99.59	Inf	-Inf	35.85	3	H	351	1.47	-
AV	2.3882G	47.62	54.00	-6.38	35.81	3	H	351	1.47	-
PK	2.4094G	103.31	Inf	-Inf	35.85	3	H	351	1.47	-
PK	2.3794G	59.52	74.00	-14.48	35.79	3	H	351	1.47	-

802.11b_(1Mbps)_2TX

2412MHz_TX

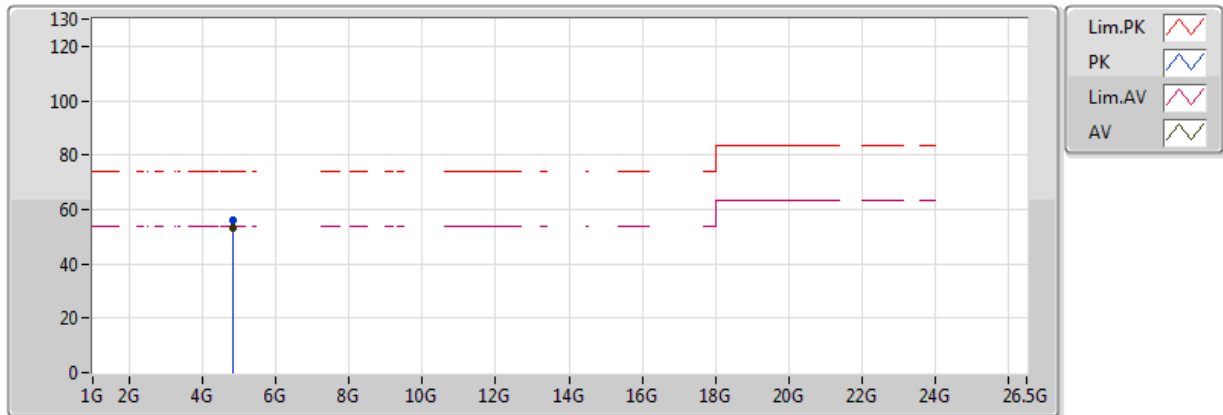


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	53.33	54.00	-0.67	5.06	3	V	335	1.23	-
PK	4.824G	55.80	74.00	-18.20	5.06	3	V	335	1.23	-

802.11b_(1Mbps)_2TX

2412MHz_TX

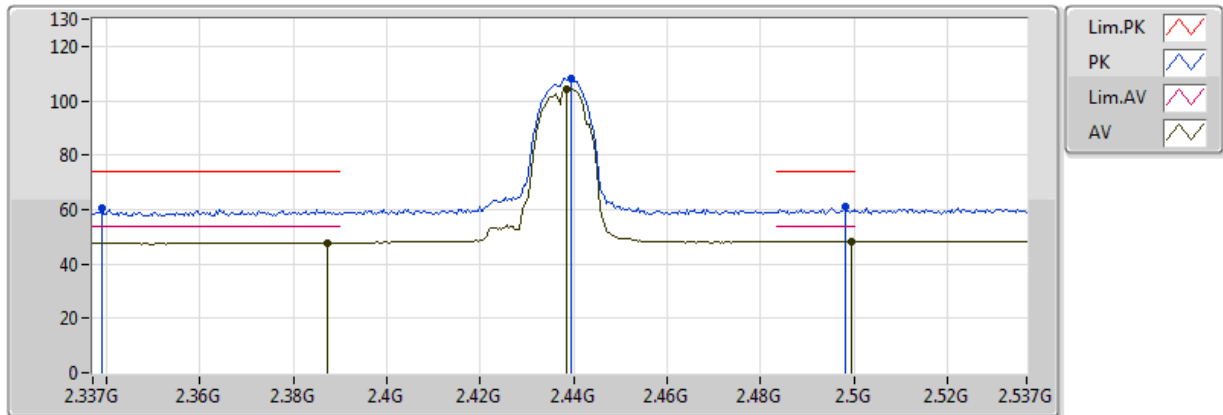


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	53.09	54.00	-0.91	5.06	3	H	202	1.89	-
PK	4.824G	55.77	74.00	-18.23	5.06	3	H	202	1.89	-

802.11b_(1Mbps)_2TX

2437MHz_TX

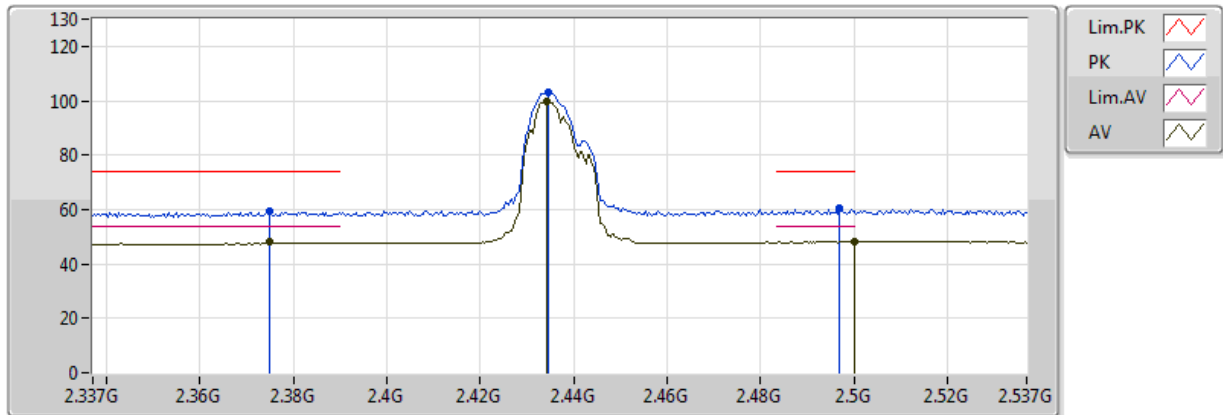


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4386G	104.39	Inf	-Inf	35.91	3	V	1	1.45	-
AV	2.3874G	47.86	54.00	-6.14	35.81	3	V	1	1.45	-
AV	2.4994G	48.33	54.00	-5.67	36.03	3	V	1	1.45	-
PK	2.4394G	108.10	Inf	-Inf	35.91	3	V	1	1.45	-
PK	2.339G	60.25	74.00	-13.75	35.71	3	V	1	1.45	-
PK	2.4982G	60.92	74.00	-13.08	36.03	3	V	1	1.45	-

802.11b_(1Mbps)_2TX

2437MHz_TX

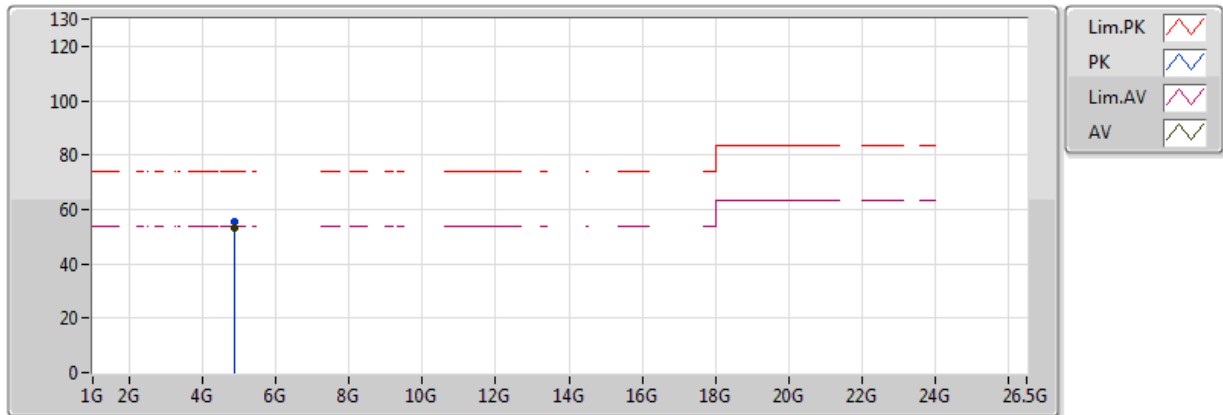


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4342G	99.47	Inf	-Inf	35.90	3	H	25	1.21	-
AV	2.375G	47.97	54.00	-6.03	35.78	3	H	25	1.21	-
AV	2.499998G	48.11	54.00	-5.89	36.03	3	H	25	1.21	-
PK	2.4346G	103.27	Inf	-Inf	35.90	3	H	25	1.21	-
PK	2.375G	59.26	74.00	-14.74	35.78	3	H	25	1.21	-
PK	2.497G	60.36	74.00	-13.64	36.02	3	H	25	1.21	-

802.11b_(1Mbps)_2TX

2437MHz_TX

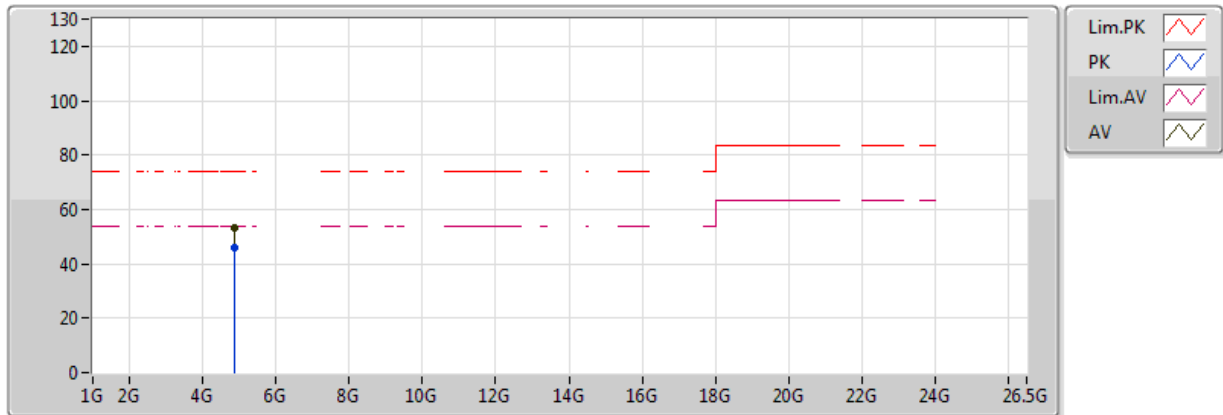


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	53.09	54.00	-0.91	5.07	3	V	44	1.95	-
PK	4.874G	55.72	74.00	-18.28	5.07	3	V	44	1.95	-

802.11b_(1Mbps)_2TX

2437MHz_TX

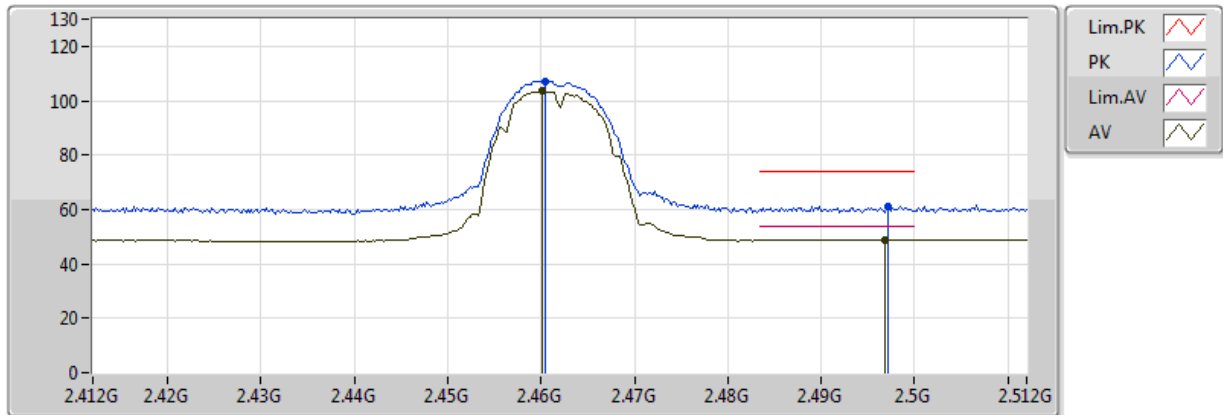


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	53.51	54.00	-0.49	5.07	3	H	141	1.07	-
PK	4.874G	46.20	74.00	-27.80	5.07	3	H	141	1.07	-

802.11b_(1Mbps)_2TX

2462MHz_TX

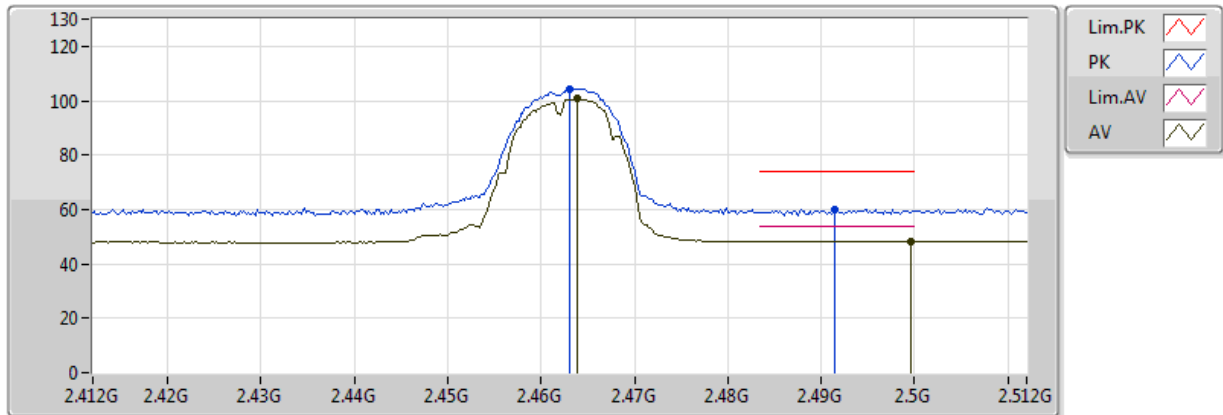


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4602G	103.70	Inf	-Inf	35.95	3	V	46	1.56	-
AV	2.4968G	48.86	54.00	-5.14	36.02	3	V	46	1.56	-
PK	2.4604G	107.29	Inf	-Inf	35.95	3	V	46	1.56	-
PK	2.4972G	61.02	74.00	-12.98	36.02	3	V	46	1.56	-

802.11b_(1Mbps)_2TX

2462MHz_TX

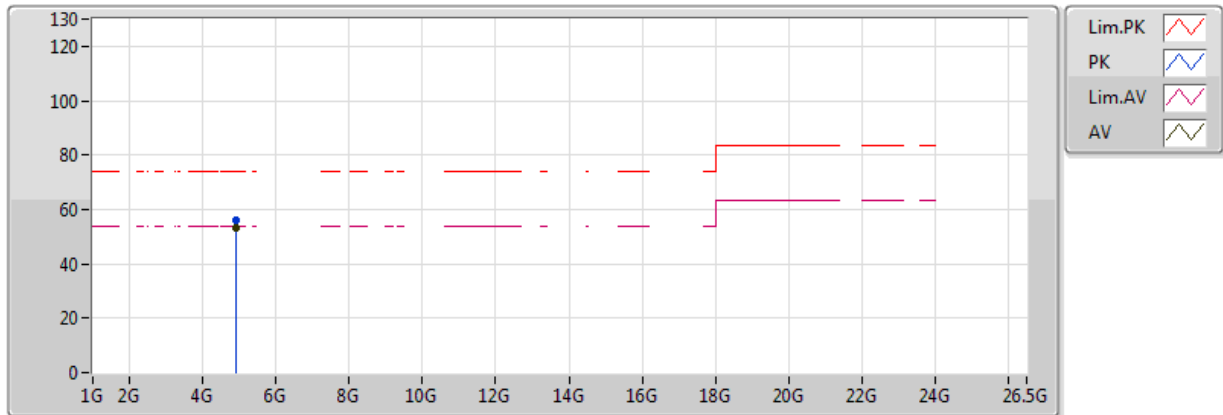


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4638G	100.81	Inf	-Inf	35.96	3	H	23	1.12	-
AV	2.4996G	48.35	54.00	-5.65	36.03	3	H	23	1.12	-
PK	2.463G	104.44	Inf	-Inf	35.96	3	H	23	1.12	-
PK	2.4914G	60.01	74.00	-13.99	36.01	3	H	23	1.12	-

802.11b_(1Mbps)_2TX

2462MHz_TX

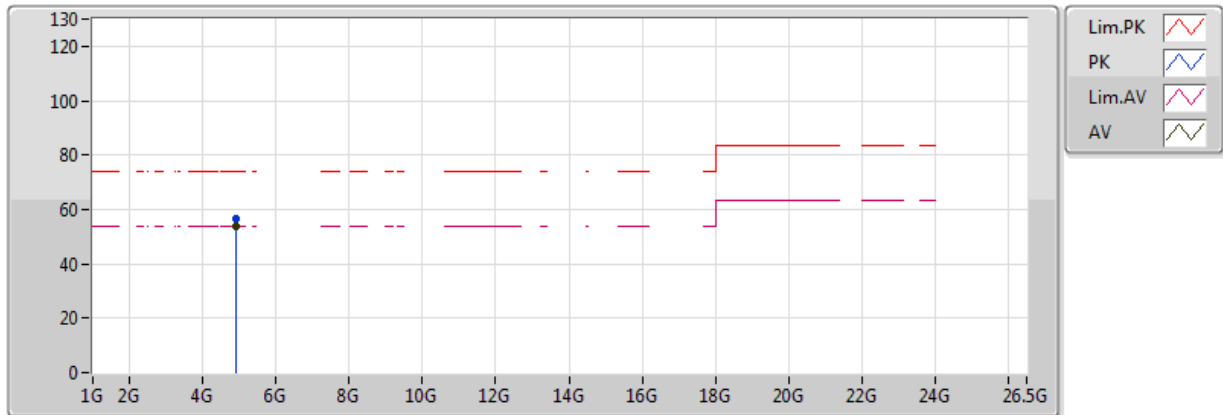


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	53.20	54.00	-0.80	5.09	3	V	328	1.22	-
PK	4.924G	55.99	74.00	-18.01	5.09	3	V	328	1.22	-

802.11b_(1Mbps)_2TX

2462MHz_TX

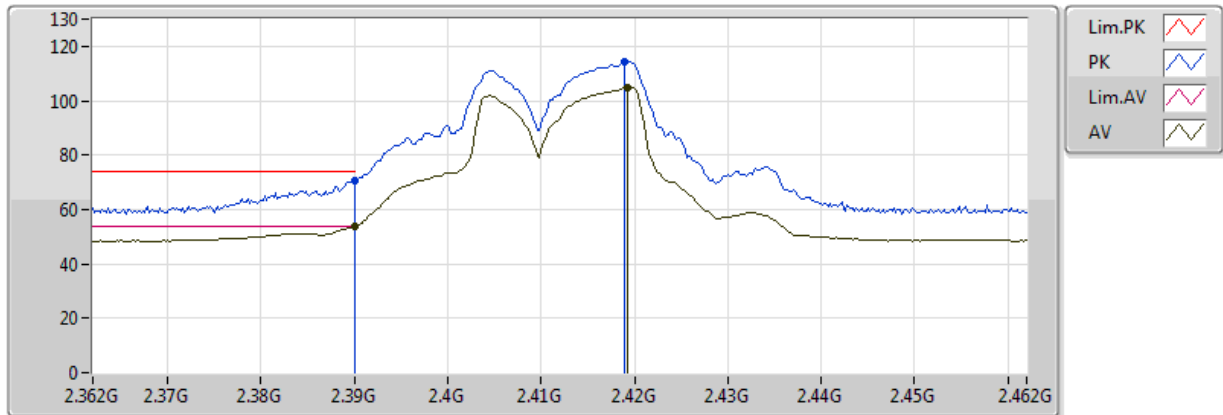


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	53.86	54.00	-0.14	5.09	3	H	203	1.74	-
PK	4.924G	56.41	74.00	-17.59	5.09	3	H	203	1.74	-

802.11g_(6Mbps)_2TX

2412MHz_TX

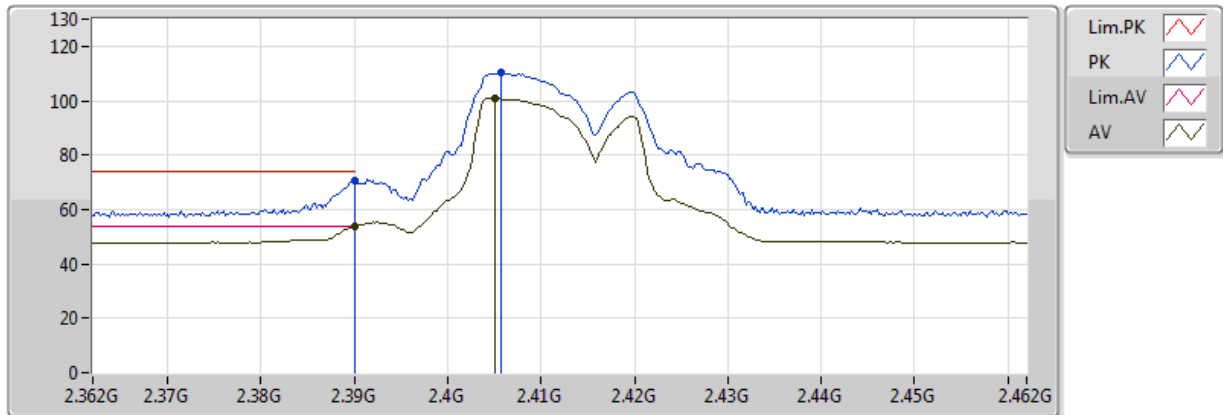


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4192G	104.98	Inf	-Inf	35.87	3	V	358	1.71	-
AV	2.39G	53.54	54.00	-0.46	35.81	3	V	358	1.71	-
PK	2.419G	114.43	Inf	-Inf	35.87	3	V	358	1.71	-
PK	2.39G	70.74	74.00	-3.26	35.81	3	V	358	1.71	-

802.11g_(6Mbps)_2TX

2412MHz_TX

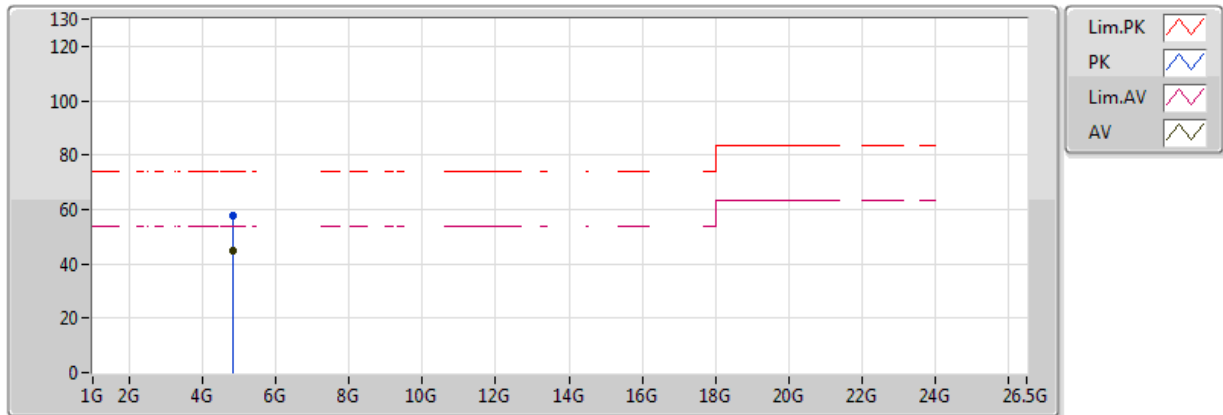


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.405G	101.12	Inf	-Inf	35.84	3	H	355	1.47	-
AV	2.39G	53.89	54.00	-0.11	35.81	3	H	355	1.47	-
PK	2.4058G	110.50	Inf	-Inf	35.84	3	H	355	1.47	-
PK	2.39G	70.63	74.00	-3.37	35.81	3	H	355	1.47	-

802.11g_(6Mbps)_2TX

2412MHz_TX

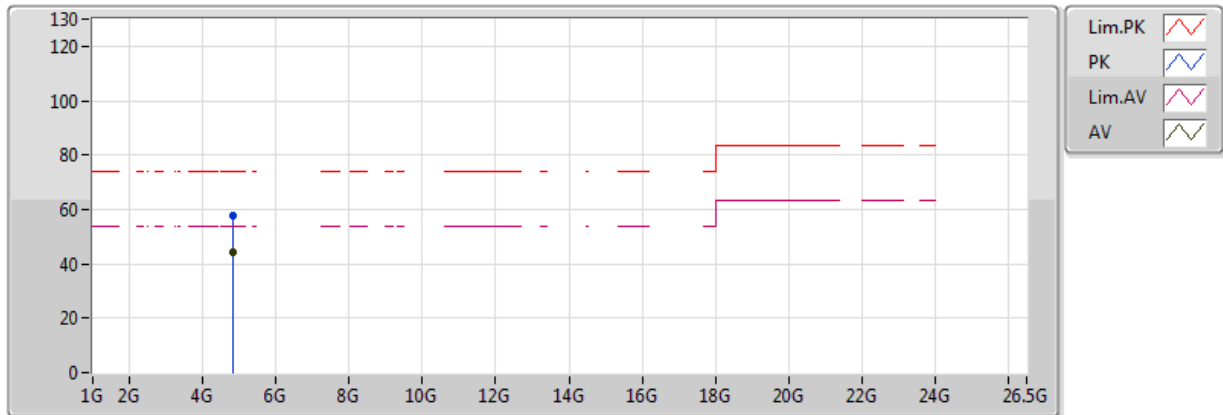


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	45.07	54.00	-8.93	5.06	3	V	54	2.00	-
PK	4.824G	57.58	74.00	-16.42	5.06	3	V	54	2.00	-

802.11g_(6Mbps)_2TX

2412MHz_TX

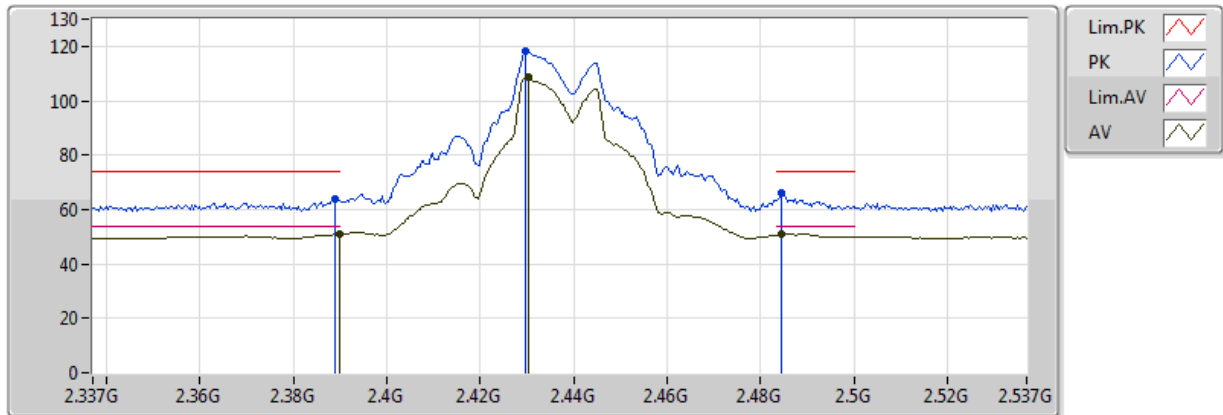


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	44.44	54.00	-9.56	5.06	3	H	203	1.47	-
PK	4.824G	57.79	74.00	-16.21	5.06	3	H	203	1.47	-

802.11g_(6Mbps)_2TX

2437MHz_TX

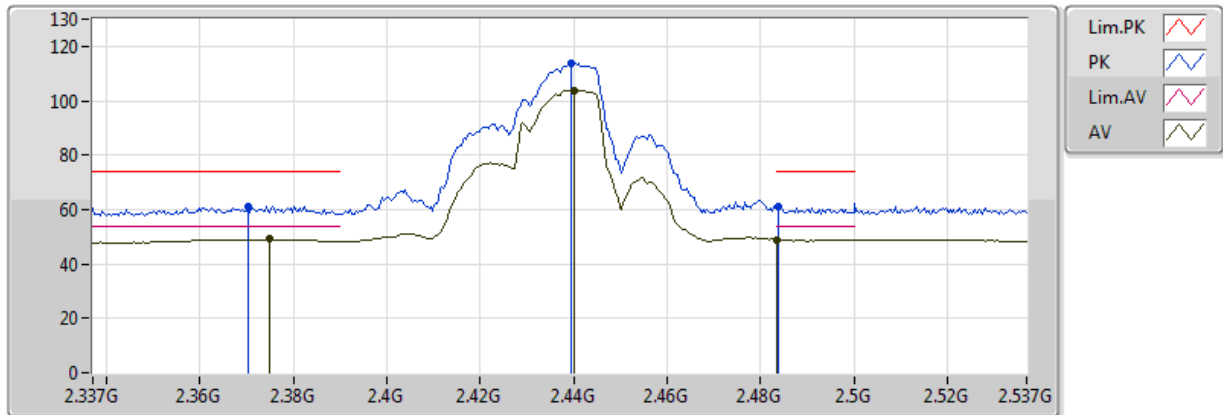


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4302G	108.55	Inf	-Inf	35.89	3	V	0	1.25	-
AV	2.389998G	51.08	54.00	-2.92	35.81	3	V	0	1.25	-
AV	2.4846G	50.87	54.00	-3.13	36.00	3	V	0	1.25	-
PK	2.4298G	118.06	Inf	-Inf	35.89	3	V	0	1.25	-
PK	2.389G	64.14	74.00	-9.86	35.81	3	V	0	1.25	-
PK	2.4846G	66.24	74.00	-7.76	36.00	3	V	0	1.25	-

802.11g_(6Mbps)_2TX

2437MHz_TX

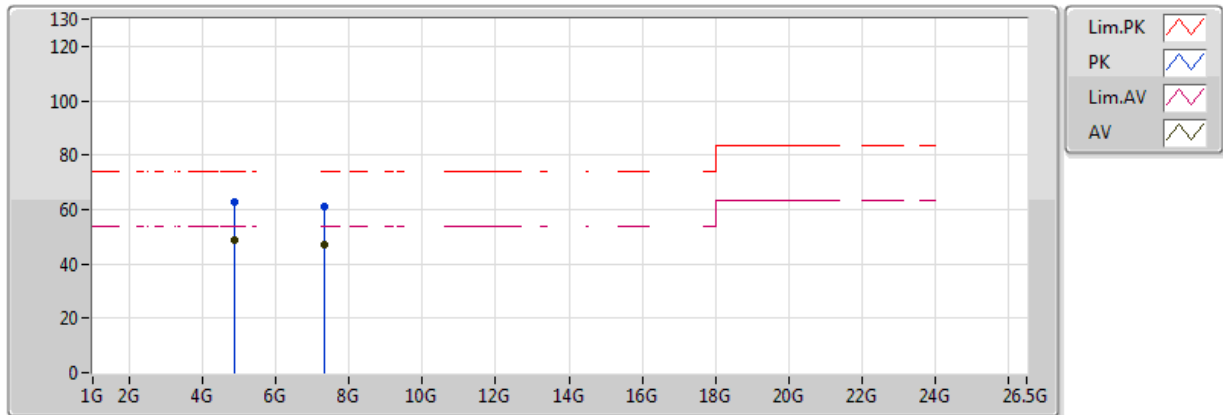


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4402G	103.91	Inf	-Inf	35.91	3	H	36	1.50	-
AV	2.375G	49.07	54.00	-4.93	35.78	3	H	36	1.50	-
AV	2.483502G	48.95	54.00	-5.05	36.00	3	H	36	1.50	-
PK	2.4394G	113.86	Inf	-Inf	35.91	3	H	36	1.50	-
PK	2.3702G	61.09	74.00	-12.91	35.77	3	H	36	1.50	-
PK	2.4838G	61.11	74.00	-12.89	36.00	3	H	36	1.50	-

802.11g_(6Mbps)_2TX

2437MHz_TX

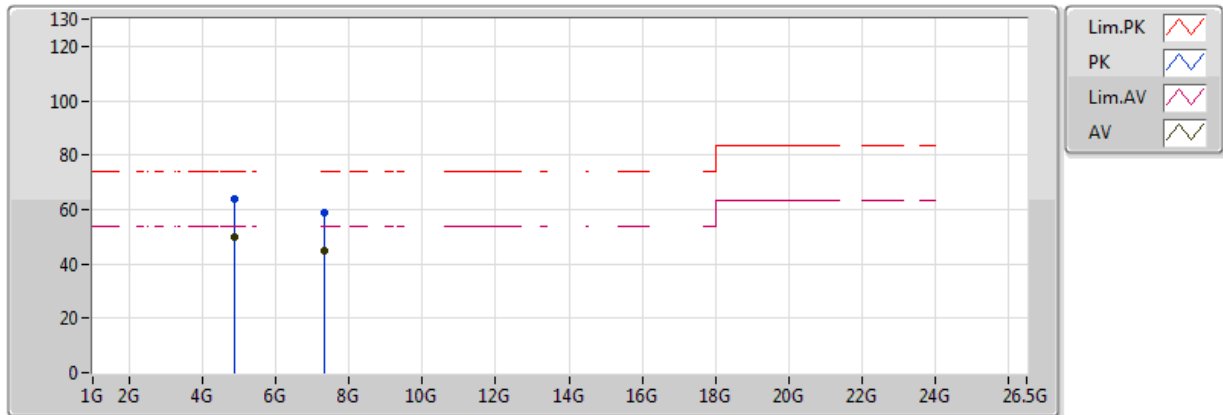


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	48.79	54.00	-5.21	5.07	3	V	343	1.37	-
AV	7.311G	46.99	54.00	-7.01	7.59	3	V	165	1.60	-
PK	4.874G	63.03	74.00	-10.97	5.07	3	V	343	1.37	-
PK	7.311G	60.84	74.00	-13.16	7.59	3	V	165	1.60	-

802.11g_(6Mbps)_2TX

2437MHz_TX

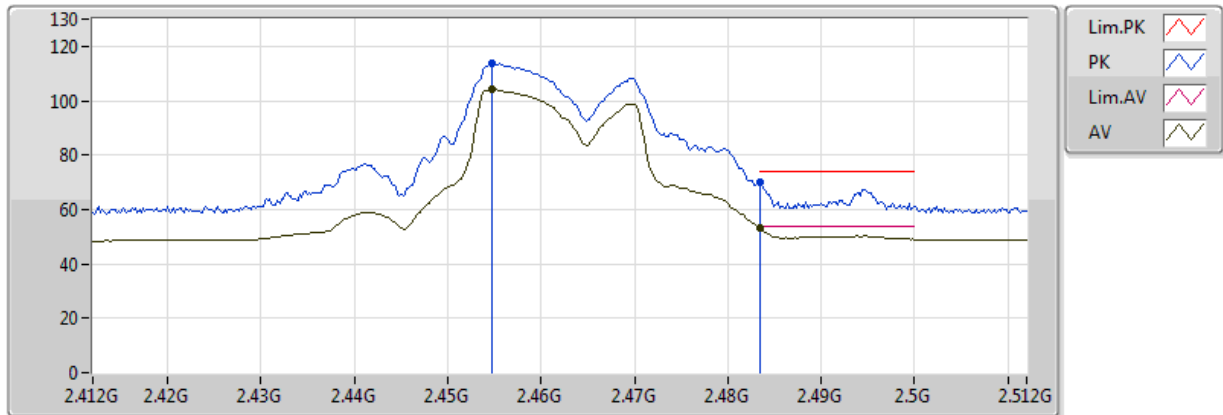


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	50.14	54.00	-3.86	5.07	3	H	204	1.41	-
AV	7.311G	44.88	54.00	-9.12	7.59	3	H	78	1.04	-
PK	4.874G	63.72	74.00	-10.28	5.07	3	H	204	1.41	-
PK	7.311G	58.61	74.00	-15.39	7.59	3	H	78	1.04	-

802.11g_(6Mbps)_2TX

2462MHz_TX

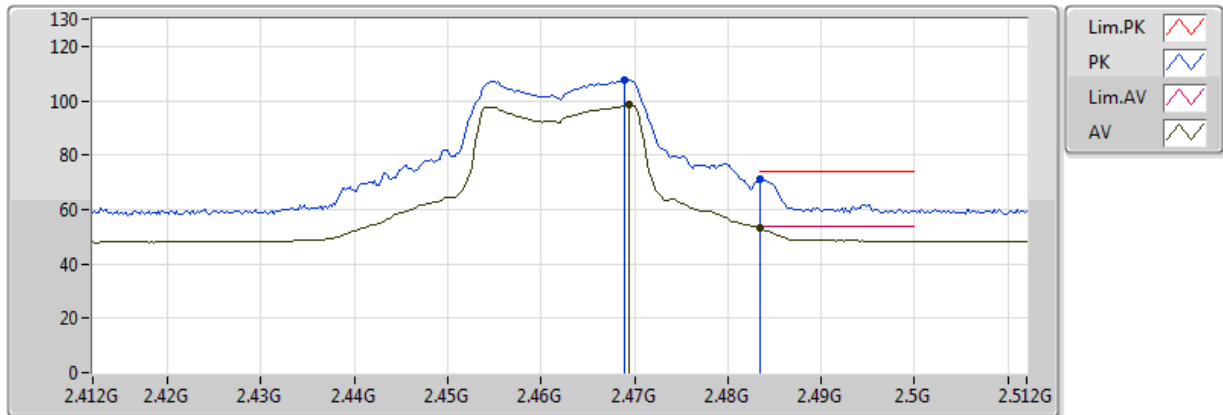


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4548G	104.26	Inf	-Inf	35.94	3	V	356	1.77	-
AV	2.483502G	53.10	54.00	-0.90	36.00	3	V	356	1.77	-
PK	2.4548G	113.82	Inf	-Inf	35.94	3	V	356	1.77	-
PK	2.483502G	69.79	74.00	-4.21	36.00	3	V	356	1.77	-

802.11g_(6Mbps)_2TX

2462MHz_TX

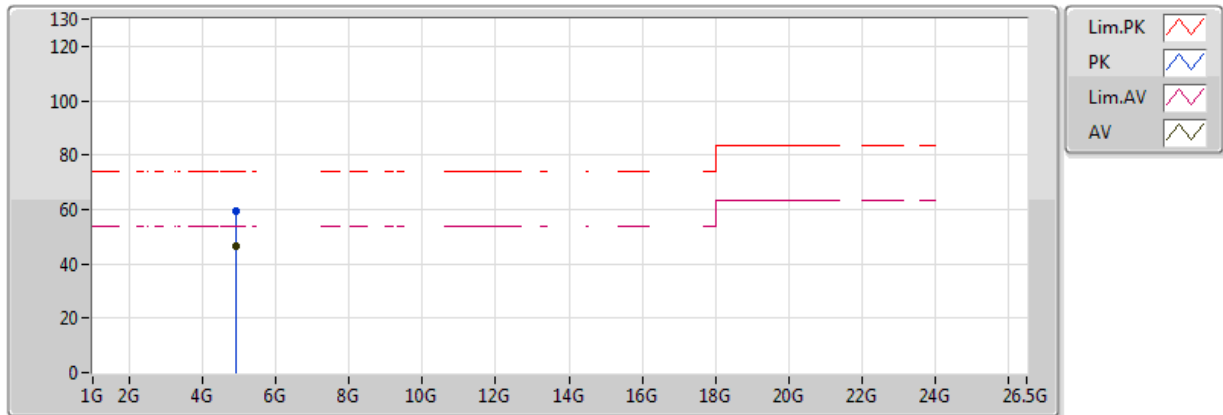


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4694G	98.38	Inf	-Inf	35.97	3	H	20	1.72	-
AV	2.483502G	53.05	54.00	-0.95	36.00	3	H	20	1.72	-
PK	2.469G	107.66	Inf	-Inf	35.97	3	H	20	1.72	-
PK	2.483502G	70.98	74.00	-3.02	36.00	3	H	20	1.72	-

802.11g_(6Mbps)_2TX

2462MHz_TX

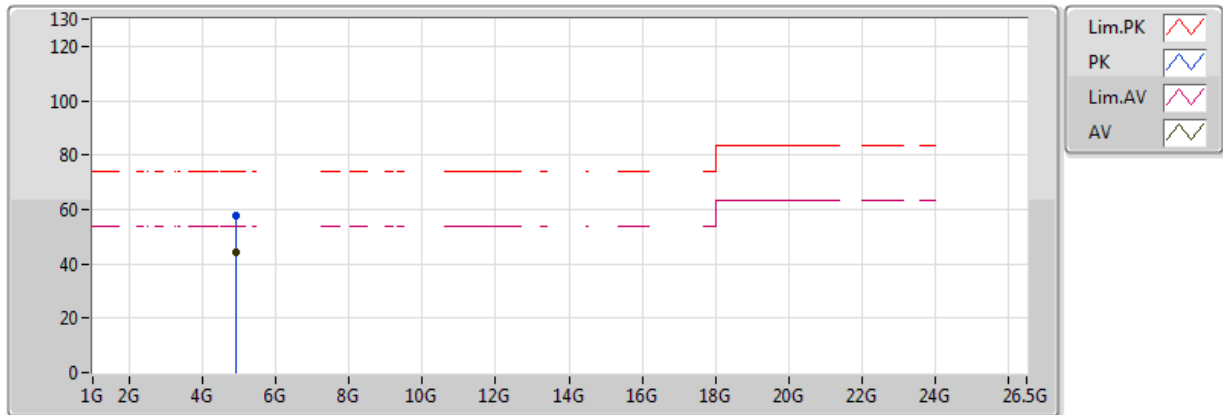


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	46.76	54.00	-7.24	5.09	3	V	174	1.20	-
PK	4.924G	59.42	74.00	-14.58	5.09	3	V	174	1.20	-

802.11g_(6Mbps)_2TX

2462MHz_TX

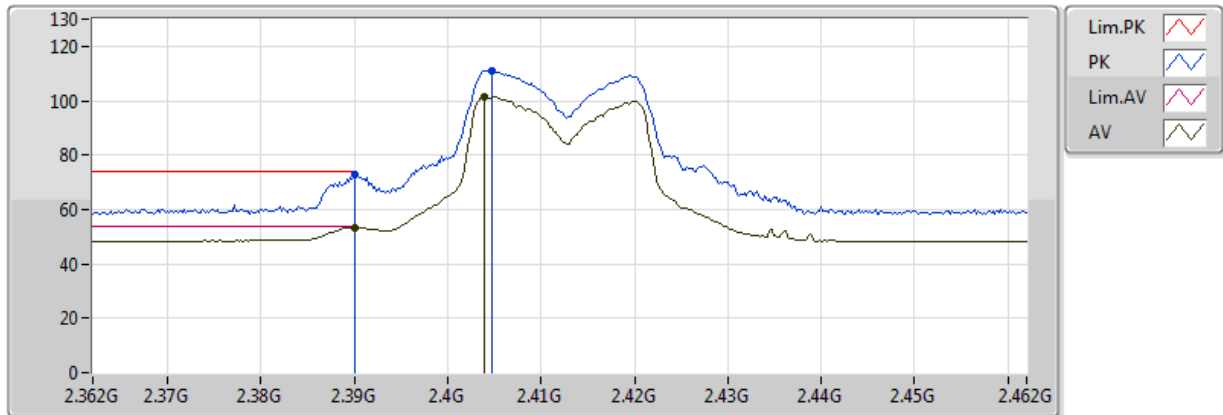


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	44.02	54.00	-9.98	5.09	3	H	195	1.44	-
PK	4.924G	57.71	74.00	-16.29	5.09	3	H	195	1.44	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

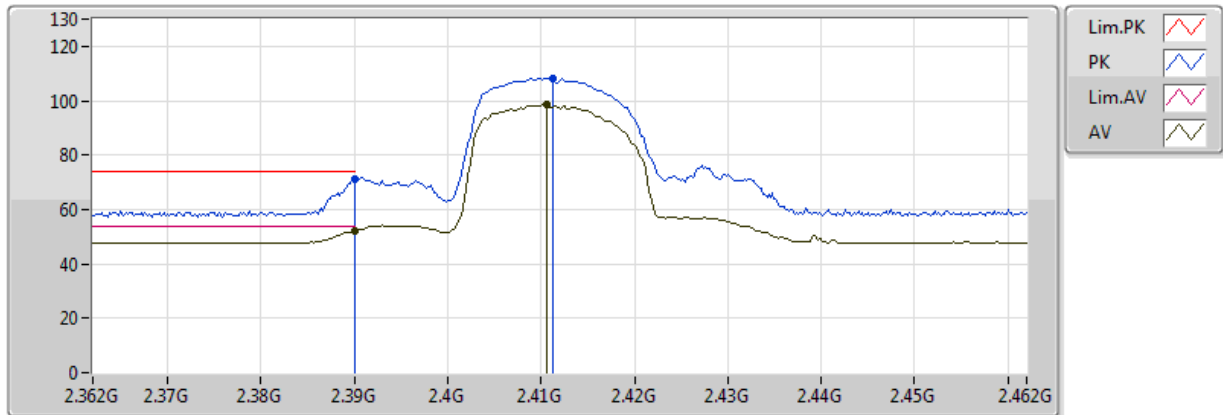


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.404G	101.54	Inf	-Inf	35.84	3	V	9	3.10	-
AV	2.39G	53.44	54.00	-0.56	35.81	3	V	9	3.10	-
PK	2.4048G	111.12	Inf	-Inf	35.84	3	V	9	3.10	-
PK	2.39G	73.12	74.00	-0.88	35.81	3	V	9	3.10	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

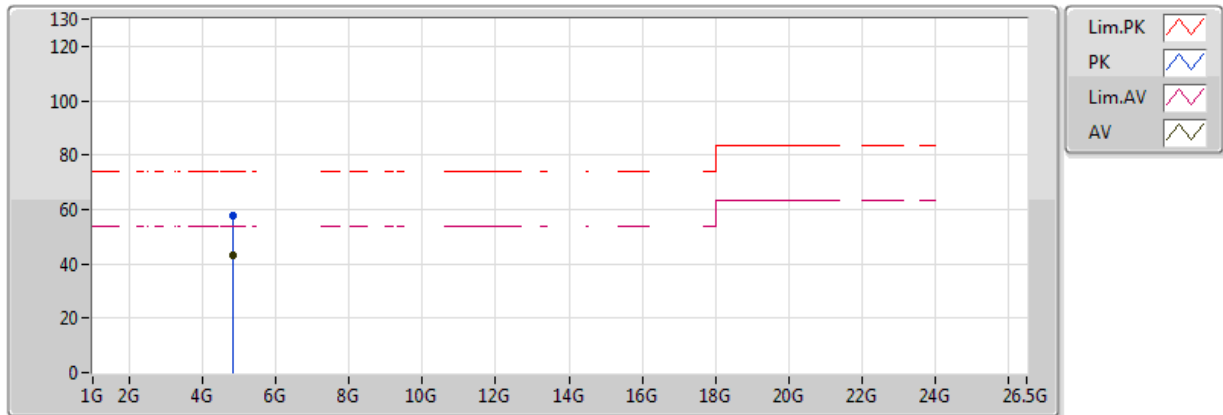


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4106G	98.46	Inf	-Inf	35.85	3	H	16	1.29	-
AV	2.39G	52.30	54.00	-1.70	35.81	3	H	16	1.29	-
PK	2.4112G	108.28	Inf	-Inf	35.85	3	H	16	1.29	-
PK	2.39G	71.27	74.00	-2.73	35.81	3	H	16	1.29	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

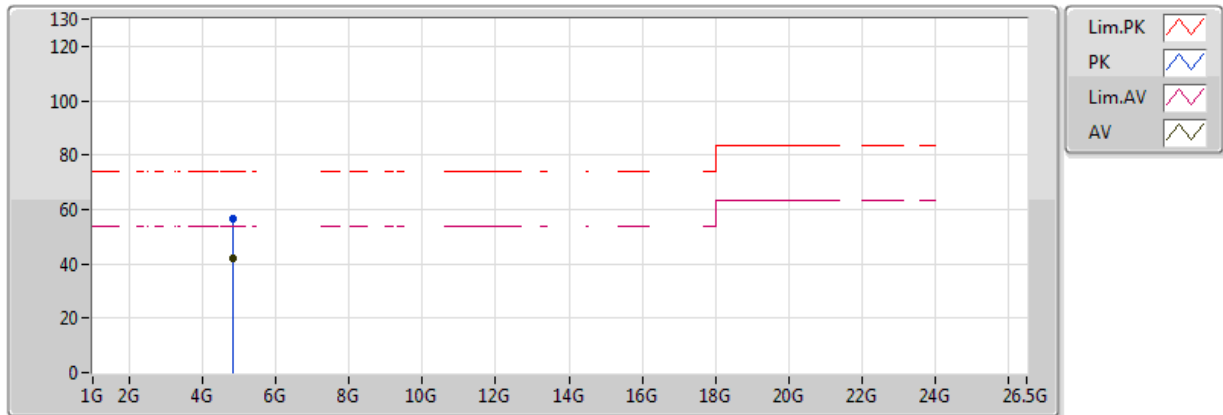


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	43.24	54.00	-10.76	5.06	3	V	173	3.52	-
PK	4.824G	57.79	74.00	-16.21	5.06	3	V	173	3.52	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

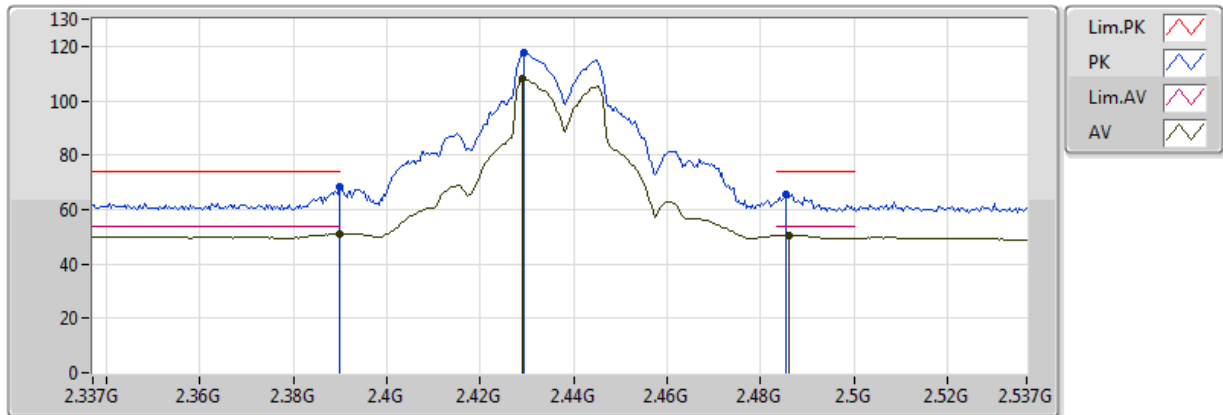


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	42.06	54.00	-11.94	5.06	3	H	195	1.40	-
PK	4.824G	56.42	74.00	-17.58	5.06	3	H	195	1.40	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

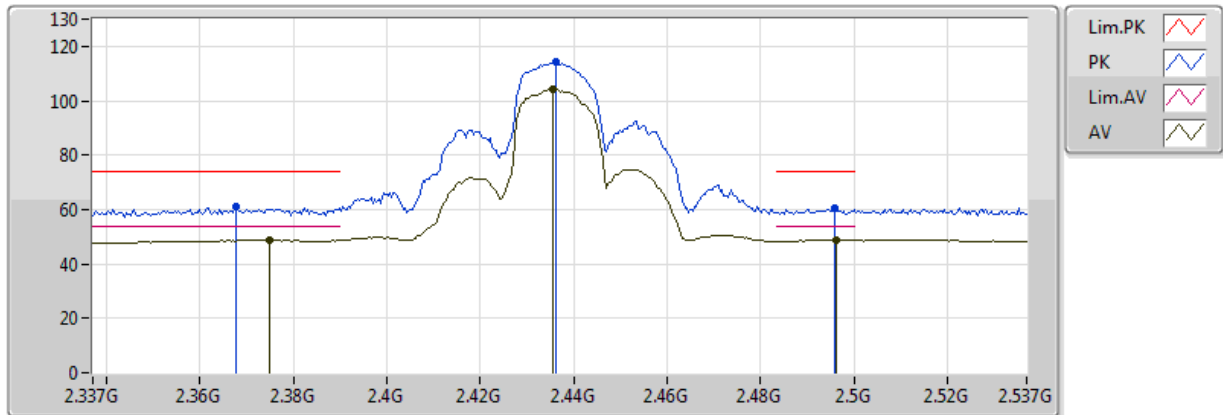


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.429G	108.01	Inf	-Inf	35.89	3	V	19	1.47	-
AV	2.389998G	51.11	54.00	-2.89	35.81	3	V	19	1.47	-
AV	2.4862G	50.50	54.00	-3.50	36.00	3	V	19	1.47	-
PK	2.4294G	117.81	Inf	-Inf	35.89	3	V	19	1.47	-
PK	2.389998G	68.23	74.00	-5.77	35.81	3	V	19	1.47	-
PK	2.4854G	65.59	74.00	-8.41	36.00	3	V	19	1.47	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

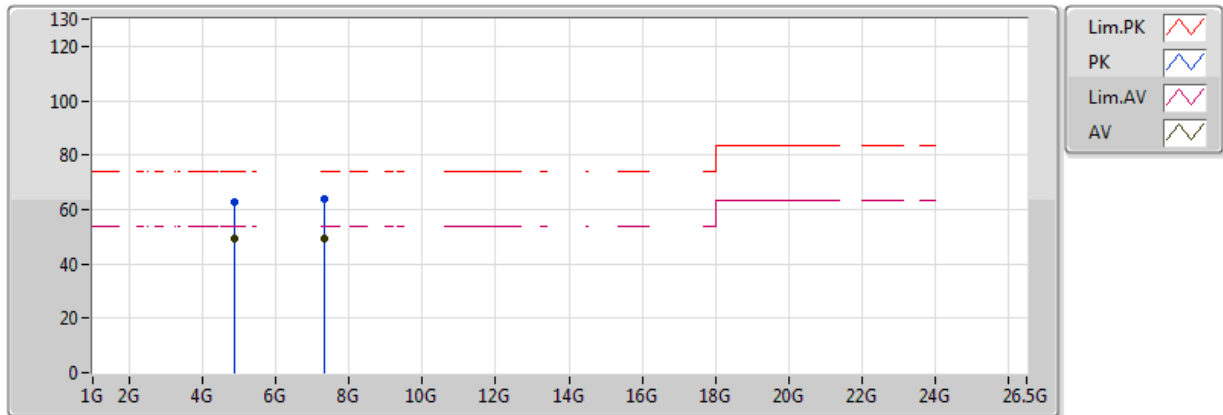


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4354G	104.12	Inf	-Inf	35.90	3	H	17	1.21	-
AV	2.375G	48.83	54.00	-5.17	35.78	3	H	17	1.21	-
AV	2.4962G	48.73	54.00	-5.27	36.02	3	H	17	1.21	-
PK	2.4362G	114.30	Inf	-Inf	35.90	3	H	17	1.21	-
PK	2.3678G	61.00	74.00	-13.00	35.77	3	H	17	1.21	-
PK	2.4958G	60.67	74.00	-13.33	36.02	3	H	17	1.21	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

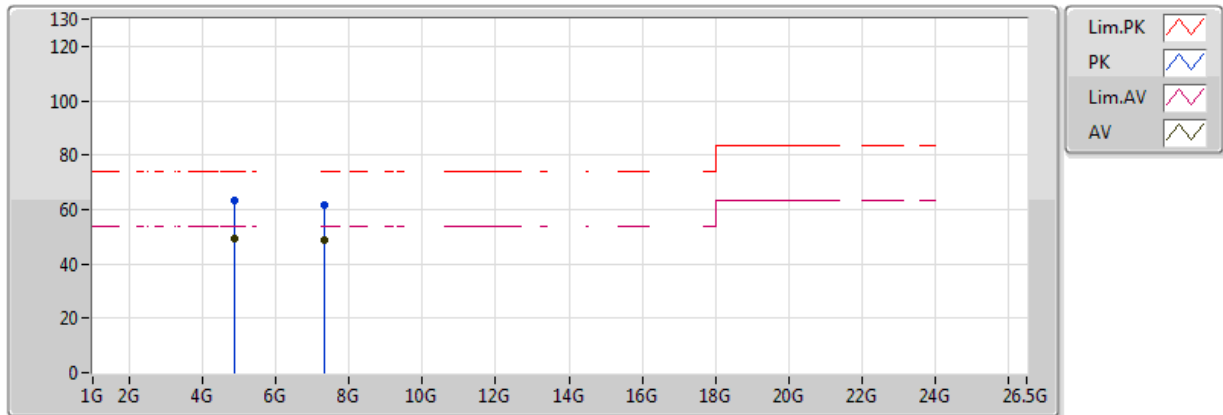


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	49.42	54.00	-4.58	5.07	3	V	169	3.67	-
AV	7.311G	49.08	54.00	-4.92	7.59	3	V	156	1.96	-
PK	4.874G	62.89	74.00	-11.11	5.07	3	V	169	3.67	-
PK	7.311G	63.64	74.00	-10.36	7.59	3	V	156	1.96	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

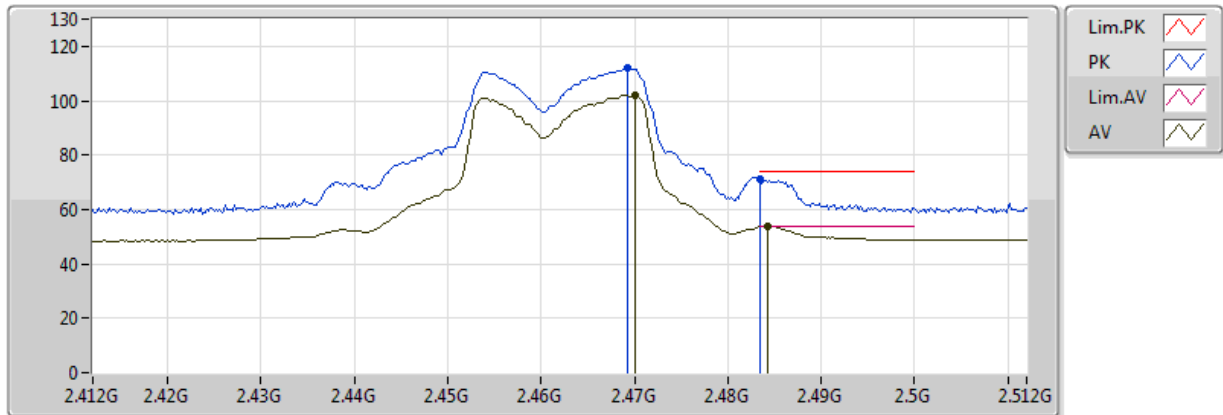


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	49.10	54.00	-4.90	5.07	3	H	197	1.50	-
AV	7.311G	48.64	54.00	-5.36	7.59	3	H	202	1.01	-
PK	4.874G	63.58	74.00	-10.42	5.07	3	H	197	1.50	-
PK	7.311G	61.83	74.00	-12.17	7.59	3	H	202	1.01	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

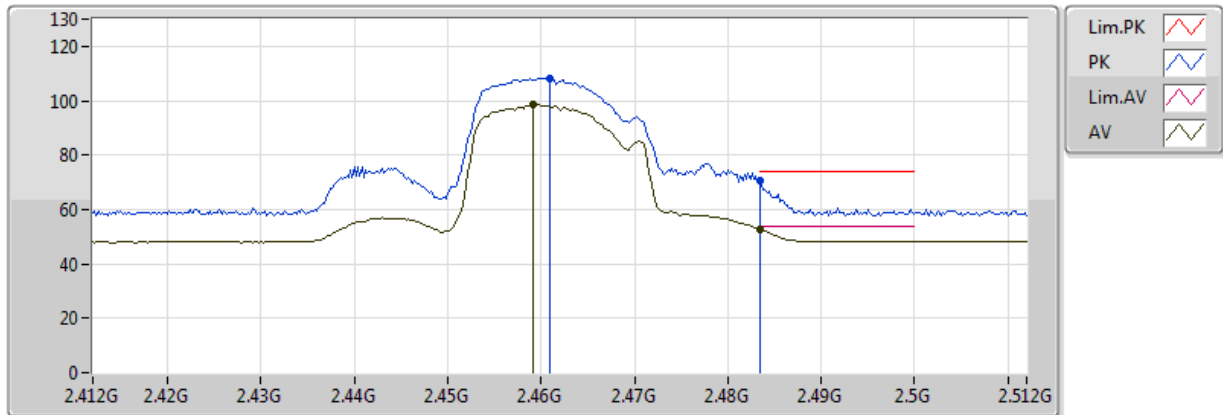


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.47G	102.08	Inf	-Inf	35.97	3	V	2	1.10	-
AV	2.4842G	53.84	54.00	-0.16	36.00	3	V	2	1.10	-
PK	2.4692G	111.80	Inf	-Inf	35.97	3	V	2	1.10	-
PK	2.483502G	71.18	74.00	-2.82	36.00	3	V	2	1.10	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

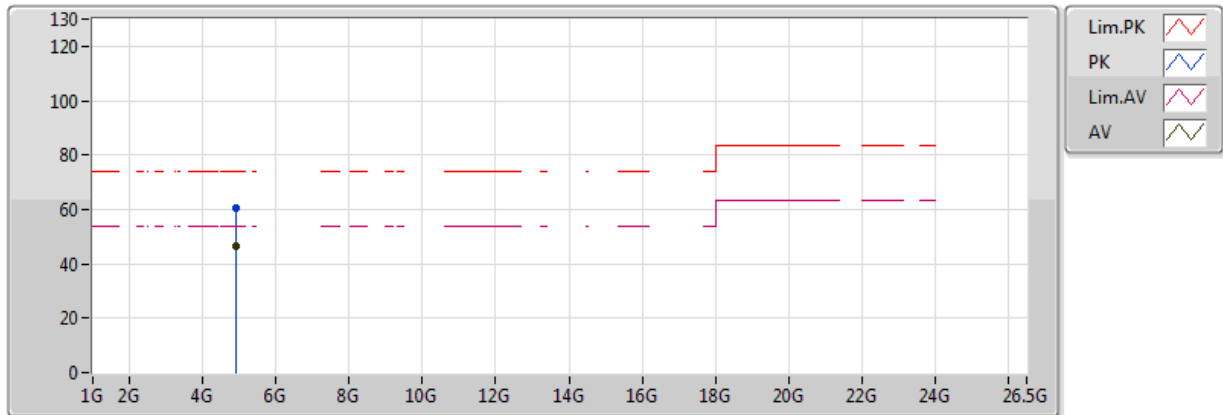


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4592G	98.51	Inf	-Inf	35.95	3	H	17	1.75	-
AV	2.483502G	52.52	54.00	-1.48	36.00	3	H	17	1.75	-
PK	2.461G	108.09	Inf	-Inf	35.95	3	H	17	1.75	-
PK	2.483502G	70.33	74.00	-3.67	36.00	3	H	17	1.75	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

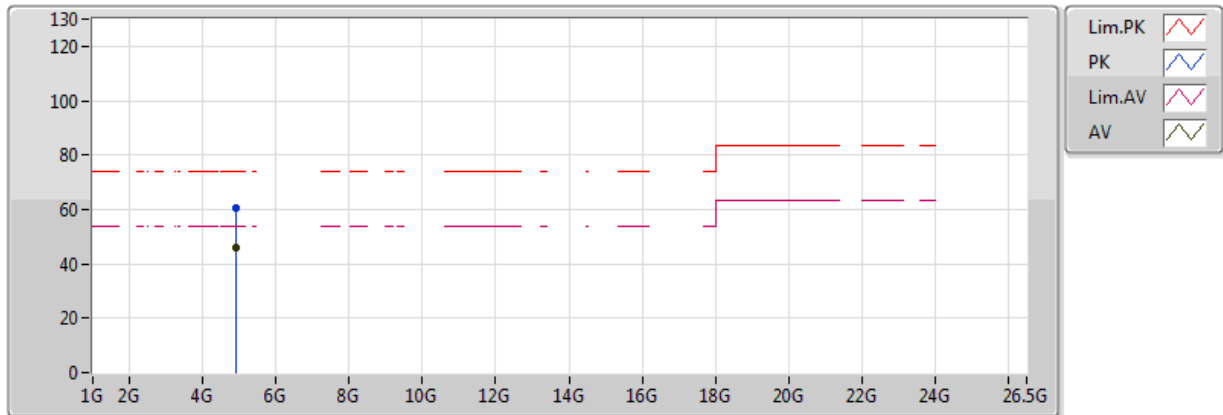


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	46.39	54.00	-7.61	5.09	3	V	171	1.16	-
PK	4.924G	60.61	74.00	-13.39	5.09	3	V	171	1.16	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

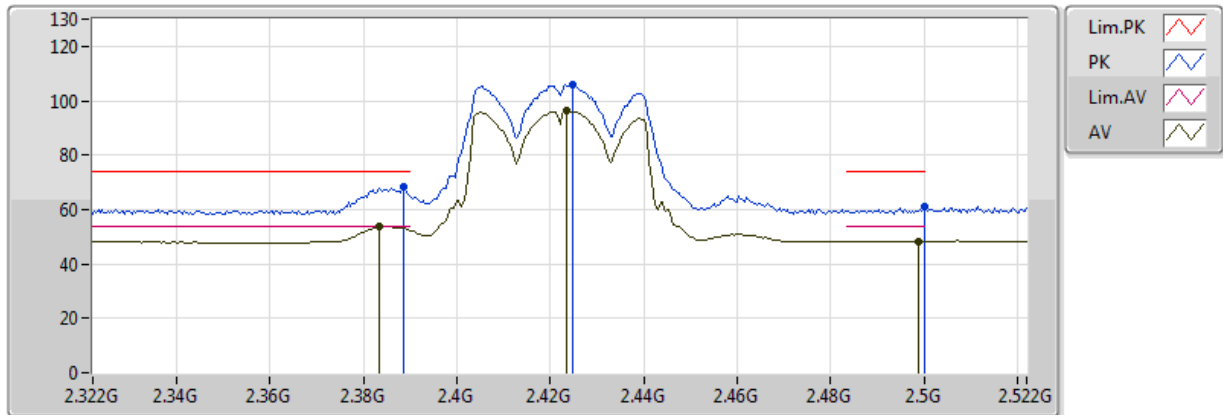


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	46.19	54.00	-7.81	5.09	3	H	195	1.44	-
PK	4.924G	60.72	74.00	-13.28	5.09	3	H	195	1.44	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

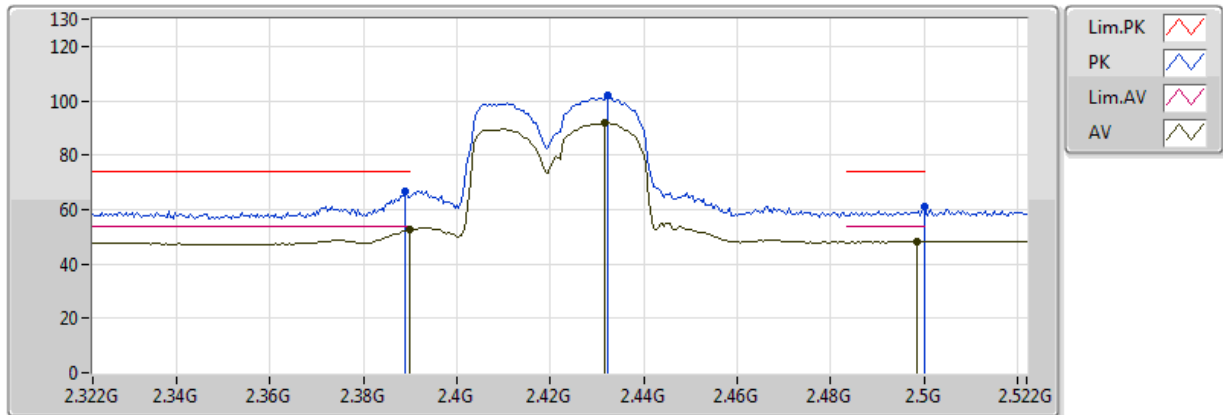


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4236G	96.50	Inf	-Inf	35.88	3	V	18	1.52	-
AV	2.3832G	53.79	54.00	-0.21	35.80	3	V	18	1.52	-
AV	2.4988G	48.33	54.00	-5.67	36.03	3	V	18	1.52	-
PK	2.4248G	105.68	Inf	-Inf	35.88	3	V	18	1.52	-
PK	2.3884G	68.46	74.00	-5.54	35.81	3	V	18	1.52	-
PK	2.5G	60.86	74.00	-13.14	36.03	3	V	18	1.52	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

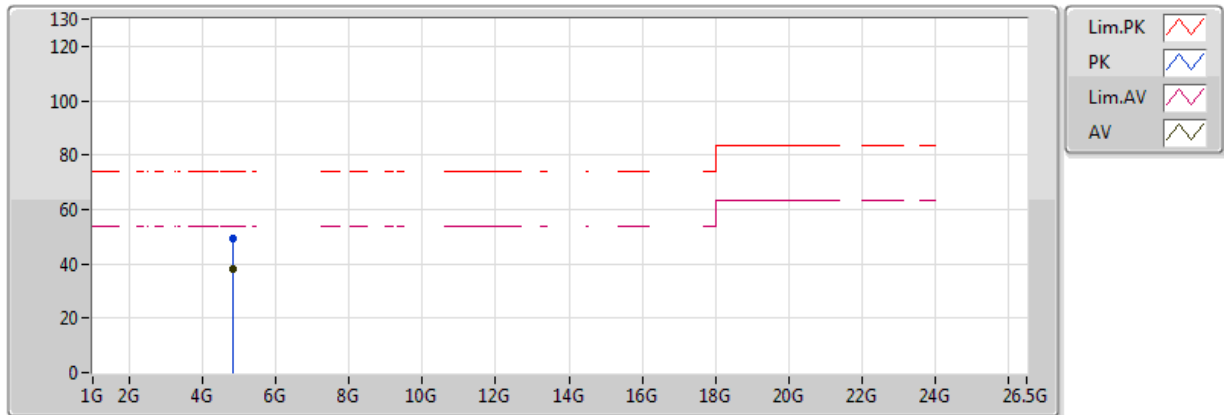


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4316G	91.73	Inf	-Inf	35.89	3	H	0	1.20	-
AV	2.39G	52.70	54.00	-1.30	35.81	3	H	0	1.20	-
AV	2.4984G	48.17	54.00	-5.83	36.03	3	H	0	1.20	-
PK	2.4324G	102.23	Inf	-Inf	35.89	3	H	0	1.20	-
PK	2.3888G	66.68	74.00	-7.32	35.81	3	H	0	1.20	-
PK	2.5G	60.88	74.00	-13.12	36.03	3	H	0	1.20	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

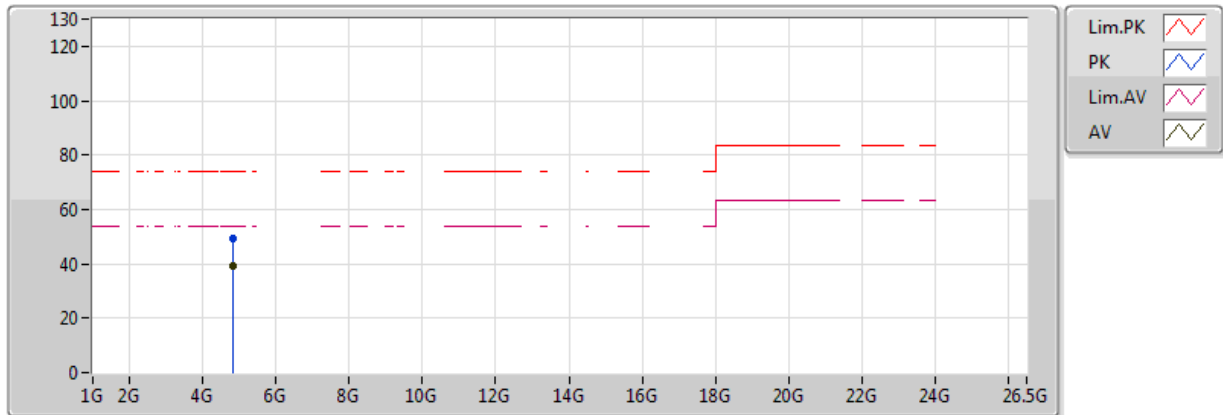


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	38.24	54.00	-15.76	5.06	3	V	202	1.03	-
PK	4.844G	49.39	74.00	-24.61	5.06	3	V	202	1.03	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

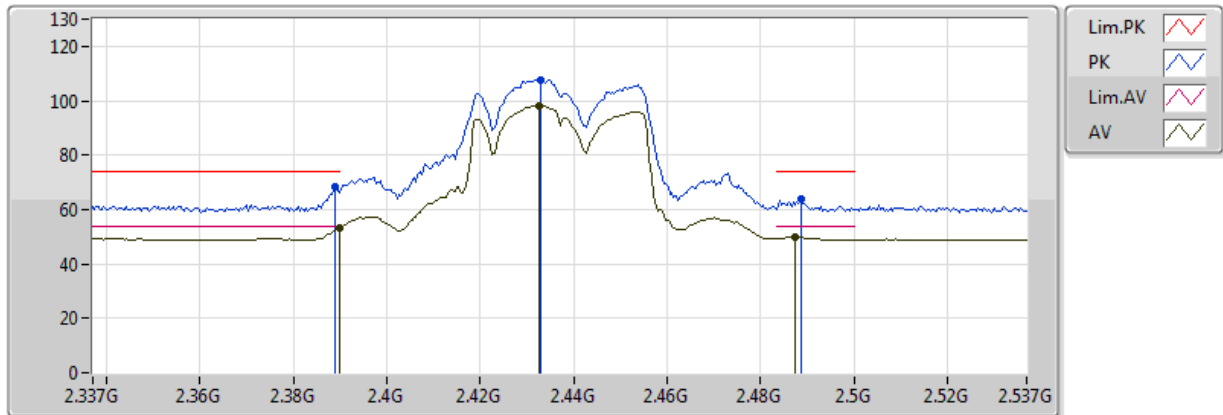


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	38.96	54.00	-15.04	5.06	3	H	118	1.78	-
PK	4.844G	49.12	74.00	-24.88	5.06	3	H	118	1.78	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

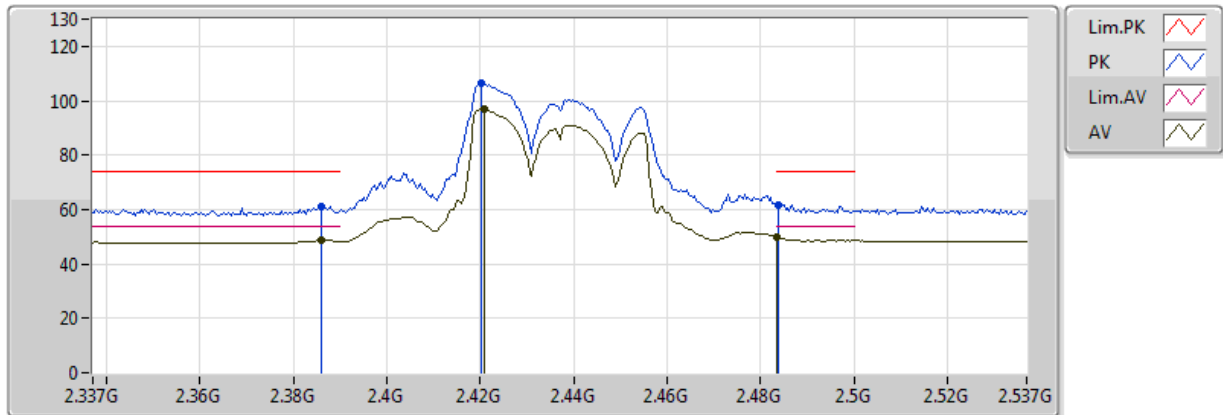


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4326G	98.14	Inf	-Inf	35.90	3	V	15	1.52	-
AV	2.389998G	53.10	54.00	-0.90	35.81	3	V	15	1.52	-
AV	2.4874G	49.92	54.00	-4.08	36.00	3	V	15	1.52	-
PK	2.433G	107.77	Inf	-Inf	35.90	3	V	15	1.52	-
PK	2.389G	68.38	74.00	-5.62	35.81	3	V	15	1.52	-
PK	2.4886G	63.84	74.00	-10.16	36.01	3	V	15	1.52	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

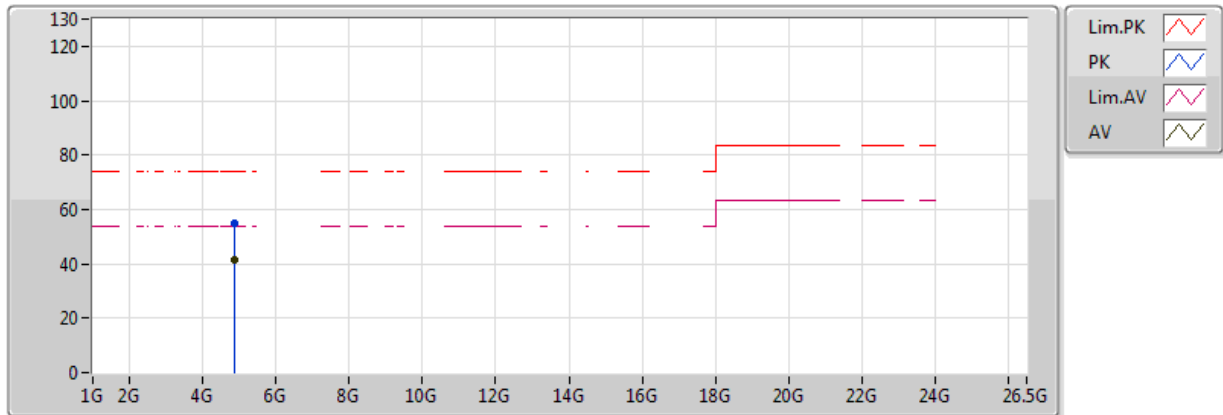


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.421G	96.95	Inf	-Inf	35.87	3	H	17	1.32	-
AV	2.3858G	48.79	54.00	-5.21	35.80	3	H	17	1.32	-
AV	2.483502G	49.74	54.00	-4.26	36.00	3	H	17	1.32	-
PK	2.4202G	106.71	Inf	-Inf	35.87	3	H	17	1.32	-
PK	2.3858G	61.33	74.00	-12.67	35.80	3	H	17	1.32	-
PK	2.4838G	61.86	74.00	-12.14	36.00	3	H	17	1.32	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

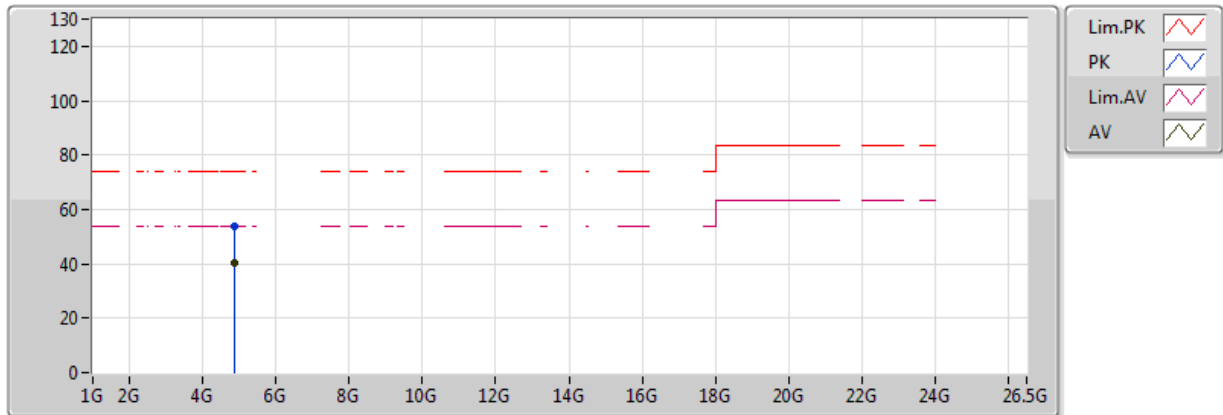


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	41.61	54.00	-12.39	5.07	3	V	38	1.98	-
PK	4.874G	54.91	74.00	-19.09	5.07	3	V	38	1.98	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

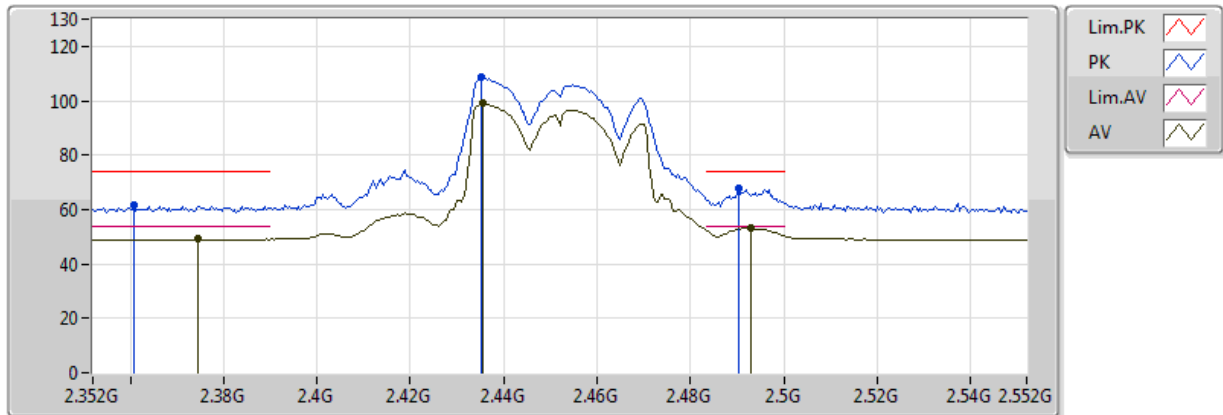


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	40.47	54.00	-13.53	5.07	3	H	195	1.50	-
PK	4.874G	53.57	74.00	-20.43	5.07	3	H	195	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

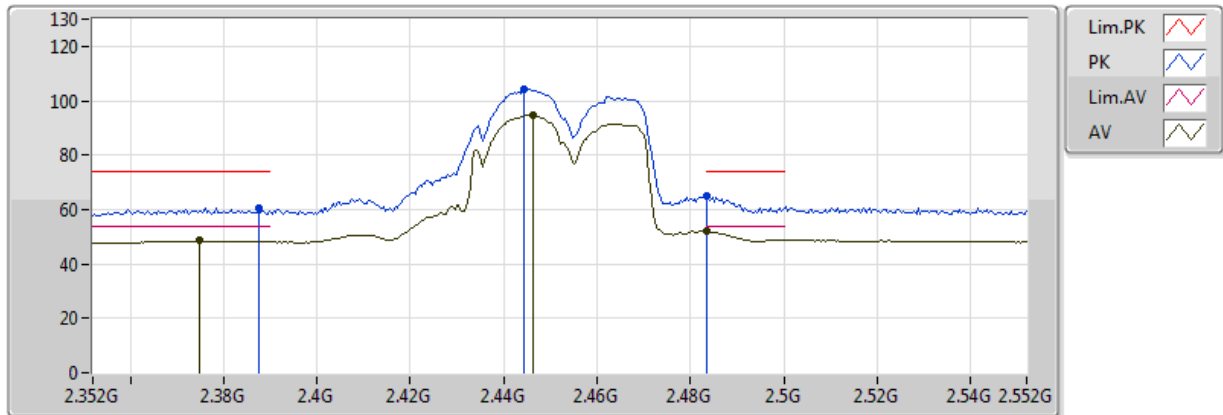


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4356G	99.05	Inf	-Inf	35.90	3	V	0	1.47	-
AV	2.3744G	49.10	54.00	-4.90	35.78	3	V	0	1.47	-
AV	2.4928G	53.36	54.00	-0.64	36.02	3	V	0	1.47	-
PK	2.4352G	108.62	Inf	-Inf	35.90	3	V	0	1.47	-
PK	2.3608G	61.57	74.00	-12.43	35.76	3	V	0	1.47	-
PK	2.4904G	67.66	74.00	-6.34	36.01	3	V	0	1.47	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

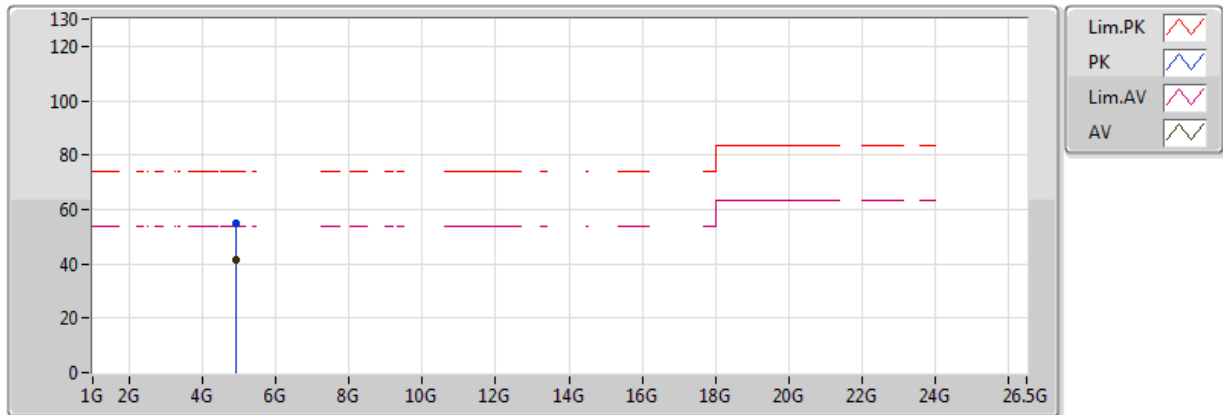


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4464G	94.64	Inf	-Inf	35.92	3	H	21	1.52	-
AV	2.3748G	48.53	54.00	-5.47	35.78	3	H	21	1.52	-
AV	2.4836G	51.94	54.00	-2.06	36.00	3	H	21	1.52	-
PK	2.4444G	104.29	Inf	-Inf	35.92	3	H	21	1.52	-
PK	2.3876G	60.51	74.00	-13.49	35.81	3	H	21	1.52	-
PK	2.4836G	64.83	74.00	-9.17	36.00	3	H	21	1.52	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

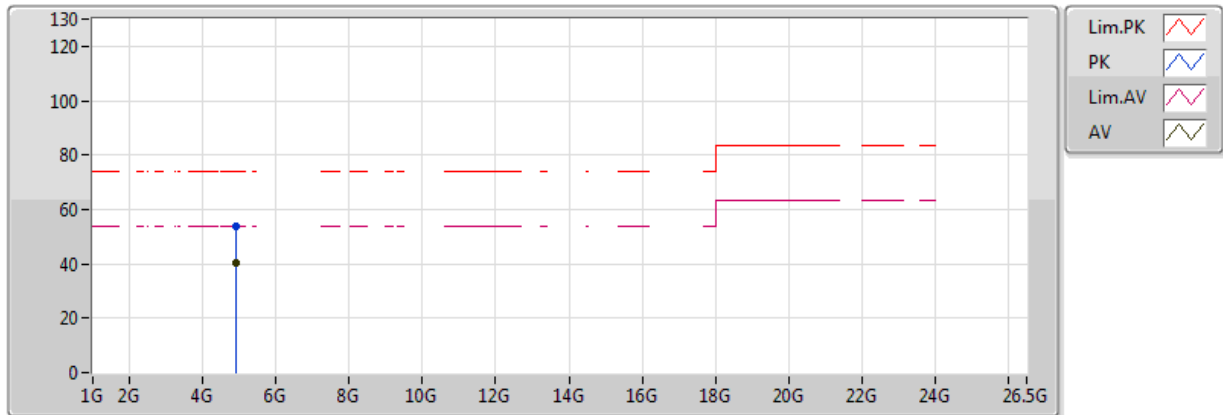


EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	41.20	54.00	-12.80	5.08	3	V	38	2.65	-
PK	4.904G	54.74	74.00	-19.26	5.08	3	V	38	2.65	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT=Y

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	40.19	54.00	-13.81	5.08	3	H	195	1.50	-
PK	4.904G	53.52	74.00	-20.48	5.08	3	H	195	1.50	-