

FCC Test Report

Equipment : Internet of Things Gateway
Brand Name : DELL
Model No. : N03G001
FCC ID : E2K-N03G001
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : ☒ Point-to-multipoint; ☐ Point-to-point
Applicant / Manufacturer : Dell Inc.
One Dell Way, Round Rock, Texas 78682, USA

The product sample received on Jan. 26, 2017 and completely tested on May 10, 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.

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Summary of Test Result

Conformance Test Specifications				
Report Clause	Ref. Std. Clause	Description	Limit	Result
1.1.2	15.203	Antenna Requirement	FCC 15.203	Complied
3.1	15.207	AC Power-line Conducted Emissions	FCC 15.207	Complied
3.2	15.247(a)	DTS Bandwidth	≥500kHz	Complied
3.3	15.247(b)	Maximum Conducted Output Power	Power [dBm]:30	Complied
3.4	15.247(e)	Power Spectral Density	PSD [dBm/3kHz]:8	Complied
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	Non-Restricted Bands: > 30 dBc	Complied
3.6	15.247(d)	Emissions in Restricted Frequency Bands	Restricted Bands: FCC 15.209	Complied

Revision History

[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)	2412-2472	1-13 [13]
2.4-2.4835GHz	n (HT40)	2422-2462	3-11 [9]

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	taoglas	TS.07.2113B	Monopole	SMA	1.3

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

1.1.3 EUT Information

Identify EUT			
SW / HW		N/A	
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	0.939	0.273	993.125u	3k
802.11g	0.941	0.264	1.027m	1k
802.11n HT20	0.932	0.306	875u	3k
802.11n HT40	0.817	0.878	33.587m	30

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

SKU		Description
1	Base	The only difference among these SKUs is I/O port.
2	GPA	
3	Media	

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		
☒	HWAYA	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	TH07-HY	Candy	24.2°C / 62.2%	03/May/2017
Radiated	03CH02-HY	Jeff	22.2°C / 51.8%	03/May/2017
AC Conduction	CO04-HY	Bear	21.2°C / 62%	10/May/2017

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software	Putty
---------------	-------

Mode	Power Setting
802.11b_(1Mbps)_1TX	-
2412MHz	18
2437MHz	18
2462MHz	18
2467MHz	16
2472MHz	11
802.11g_(6Mbps)_1TX	-
2412MHz	15
2437MHz	18
2462MHz	13
2467MHz	10
2472MHz	8
802.11n HT20_Nss1,(MCS0)_1TX	-
2412MHz	15
2437MHz	18
2462MHz	13
2467MHz	10
2472MHz	7
802.11n HT40_Nss1,(MCS0)_1TX	-
2422MHz	10
2437MHz	11
2452MHz	9
2462MHz	8

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	Base SKU
2	GPA SKU
3	Media SKU

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	Base SKU		
2	GPA SKU		
3	Media SKU		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V

2.4 Accessories

Accessories				
AC Adapter 1 (US Plug)	Brand Name	DELL	Model Name	DA65NM130
	Manufacturer	DELTA		
	Power Rating	I/P: 100- 240 Vac, 1.7 A, O/P: 19.5 Vdc, 3.34 A		
	Power Cord	0.9 meter, non-shielded cable, w/o ferrite core 1.8 meter, non-shielded cable, w/o ferrite core(DC output cable) 0.12 meter, non-shielded cable, w/o ferrite core(DC to DC cable)		

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

2.5 Support Equipment

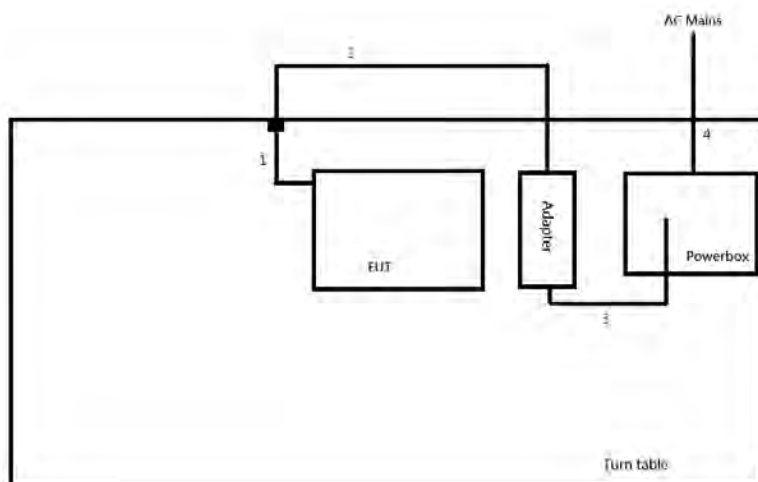
Support Equipment – RF Conducted				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5410	DOC
2	Adapter for NB	DELL	HA65NM130	DOC

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	USB Dongle	Kingston	DTI/1GB	DOC
2	USB Dongle	Kingston	TS4G IE370	DOC

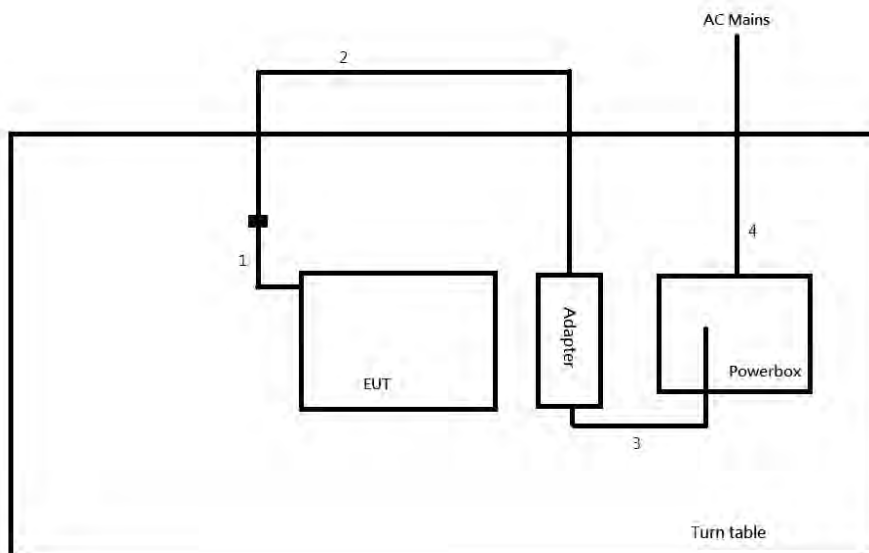
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
-	-	-	-	-

2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	DC to DC cable	No	0.12m	-
2	DC output cable	No	1.8m	-
3	AC power cable	No	0.9m	-
4	AC power cable	No	1.8m	-

Test Setup Diagram - Radiated Test


Item	Connection	Shielded	Length(m)	Remark
1	DC to DC cable	No	0.12m	-
2	DC output cable	No	1.8m	-
3	AC power cable	No	0.9m	-
4	AC power cable	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.

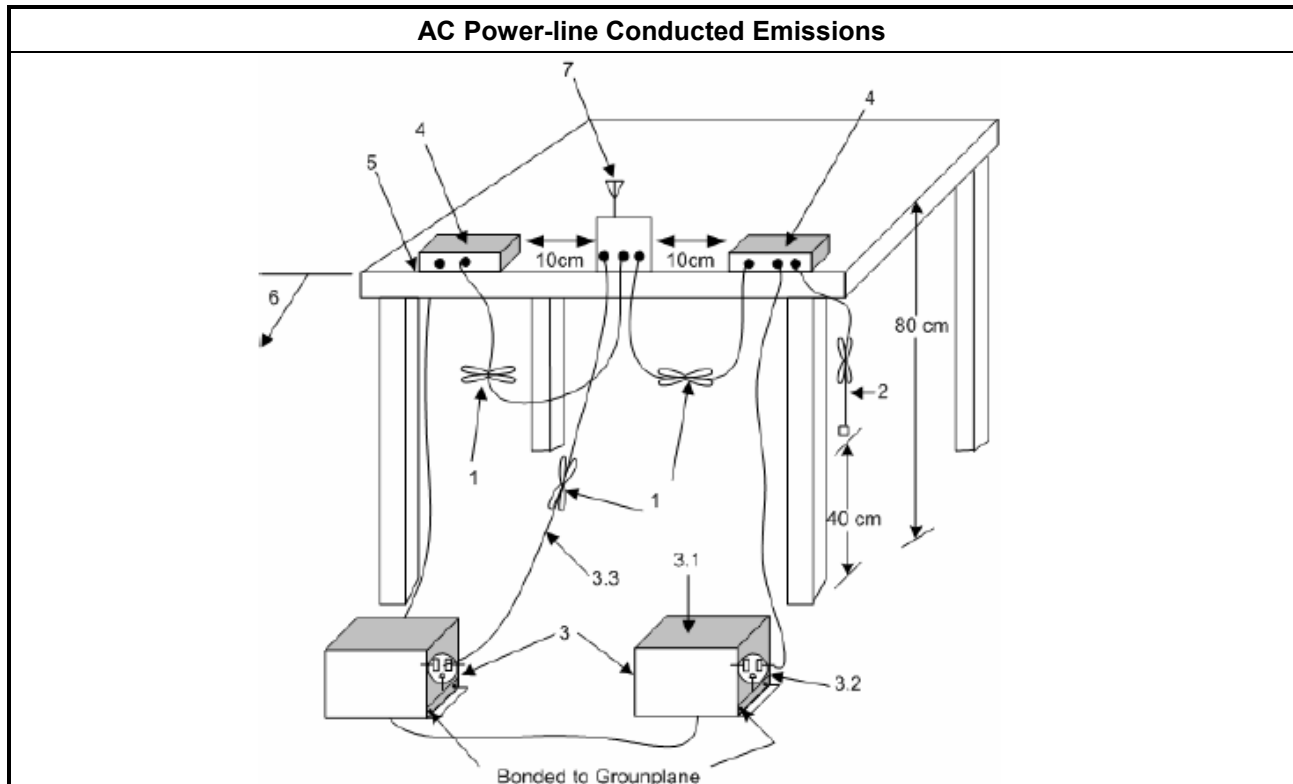
3.1.2 Measuring Instruments

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.	

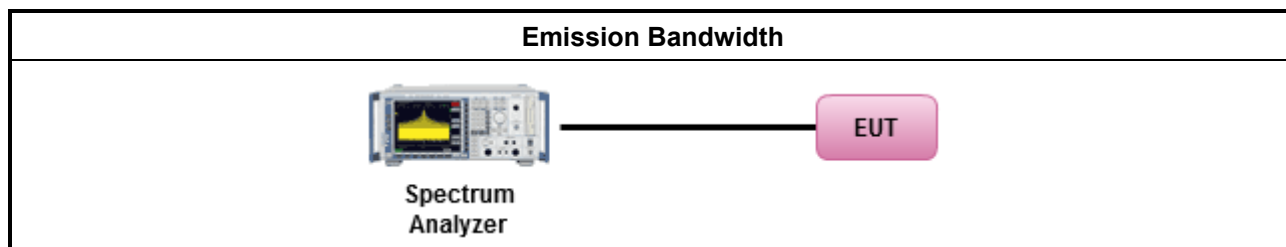
3.2.2 Measuring Instruments

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.		

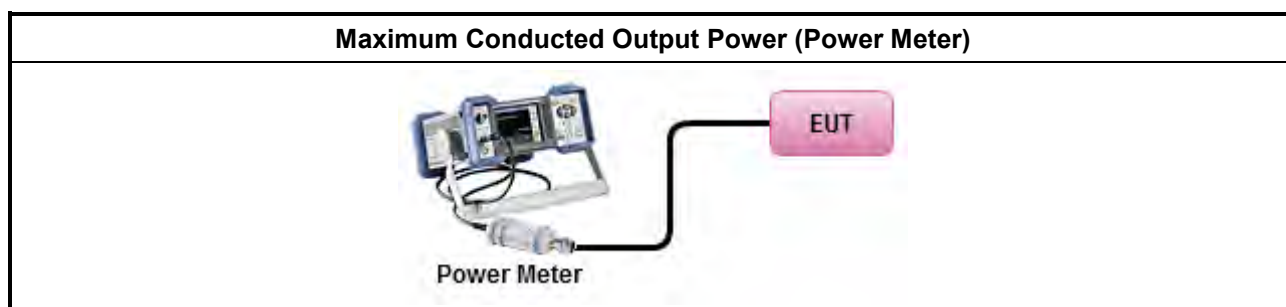
3.3.2 Measuring Instruments

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

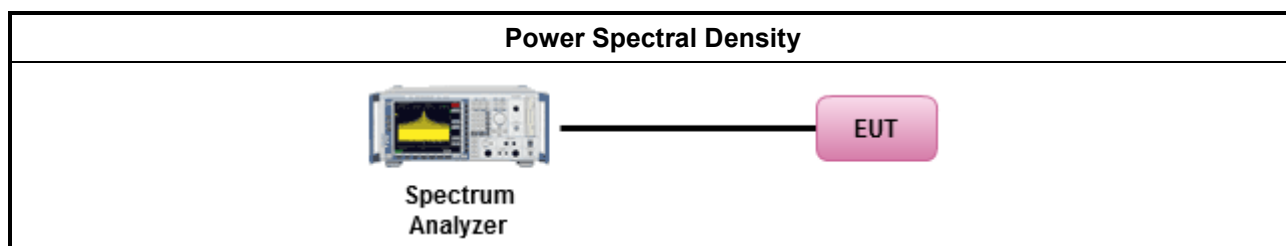
3.4.2 Measuring Instruments

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.	

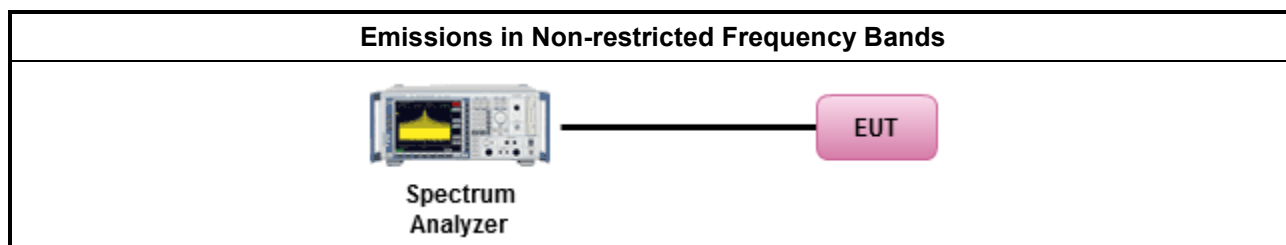
3.5.2 Measuring Instruments

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.

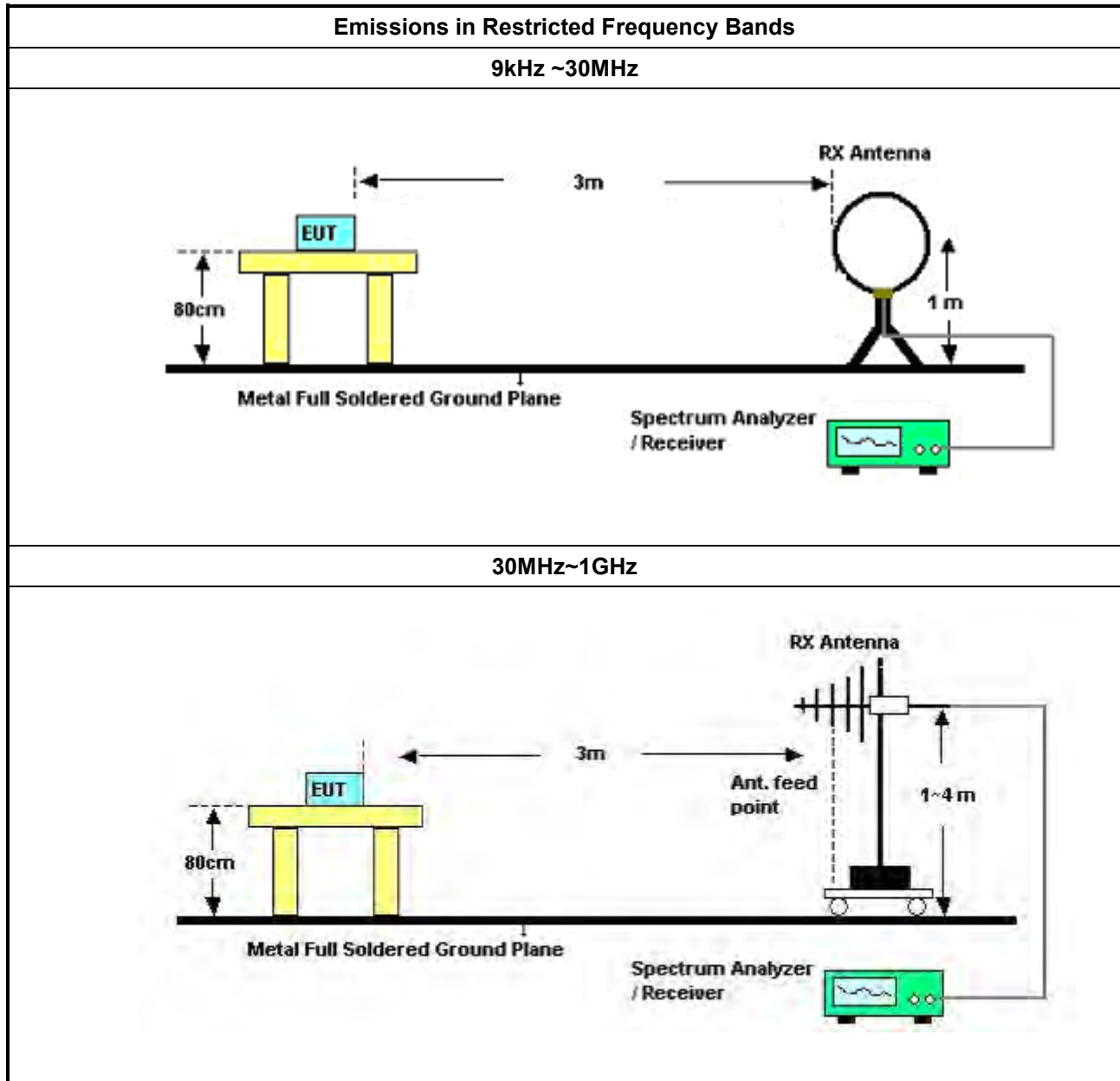
3.6.2 Measuring Instruments

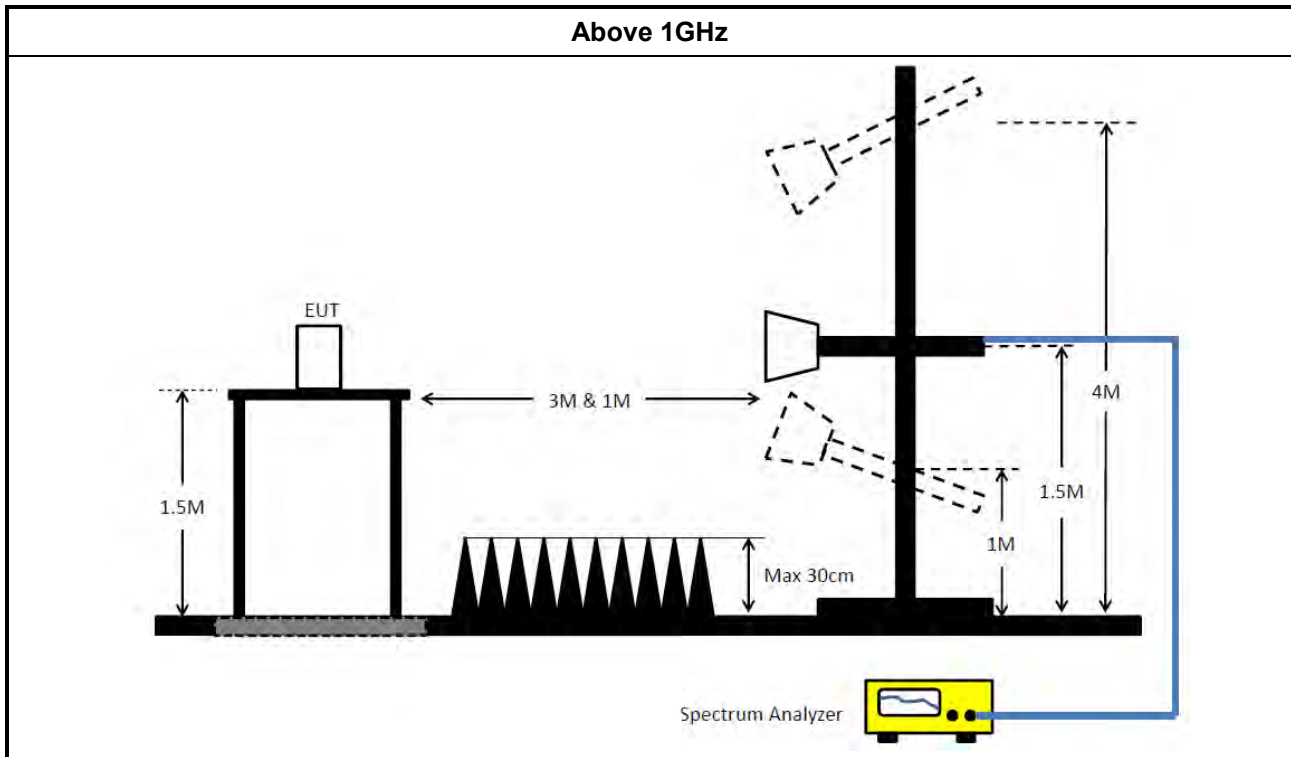
Refer a test equipment and calibration data table in this test report.

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
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
LISN	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127-477	9kHz ~ 30MHz	14/ Feb/2017	13/ Feb/2018
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz	NCR	NCR

NCR : Non-Calibration Require

Instrument for Radiated Test

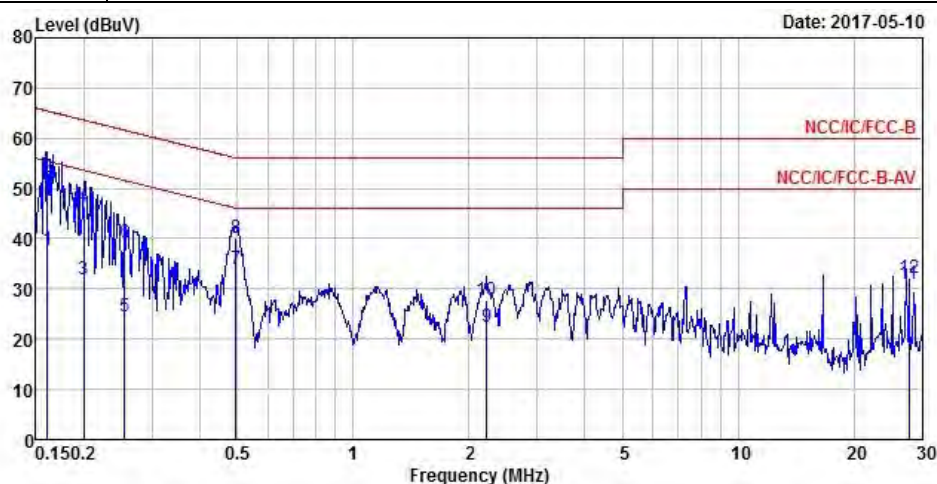
Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9KHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	03/Jun/2016	02/Jun/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 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	BBHA9120D01531	1GHz-18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA9170339	15GHz-40GHz	10/Mar/2016	09/Mar/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
Loop Antenna	TESEQ	HLA 6120	24155	9KHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018

**Instrument for Conducted Test**

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101500	9kHz~40GHz	12/May/2016	11/May/ 2017
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	21/Jul/2016	20/Jul/2017
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	Base SKU		

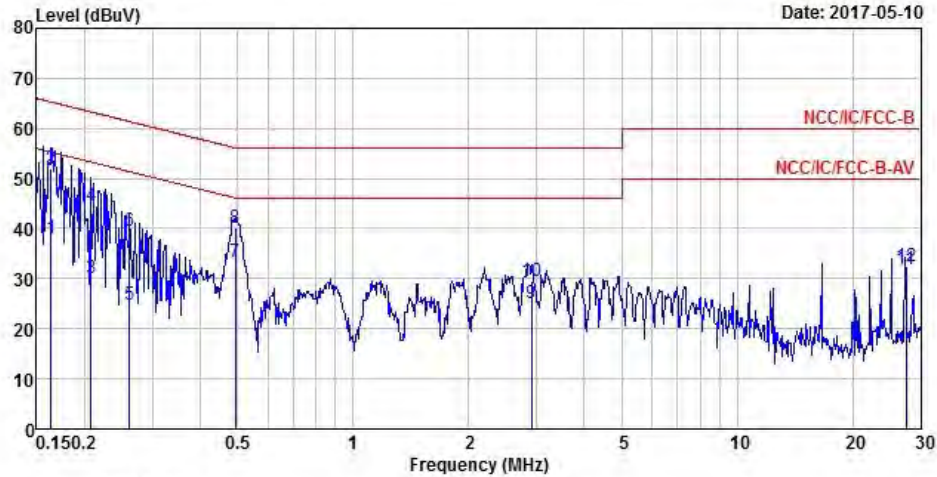


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	37.74	-17.69	55.43	37.47	0.03	0.24	Average
2	0.16	52.29	-13.14	65.43	52.02	0.03	0.24	QP
3	0.20	31.85	-21.77	53.62	31.52	0.03	0.30	Average
4	0.20	46.44	-17.18	63.62	46.11	0.03	0.30	QP
5	0.25	24.53	-27.07	51.60	24.27	0.03	0.23	Average
6	0.25	39.18	-22.42	61.60	38.92	0.03	0.23	QP
7 MAX	0.50	33.92	-12.13	46.05	33.79	0.03	0.10	Average
8	0.50	40.12	-15.93	56.05	39.99	0.03	0.10	QP
9	2.22	22.32	-23.68	46.00	21.98	0.07	0.27	Average
10	2.22	27.71	-28.29	56.00	27.37	0.07	0.27	QP
11	27.84	31.13	-18.87	50.00	30.37	0.50	0.26	Average
12	27.84	32.03	-27.97	60.00	31.27	0.50	0.26	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	Base SKU		

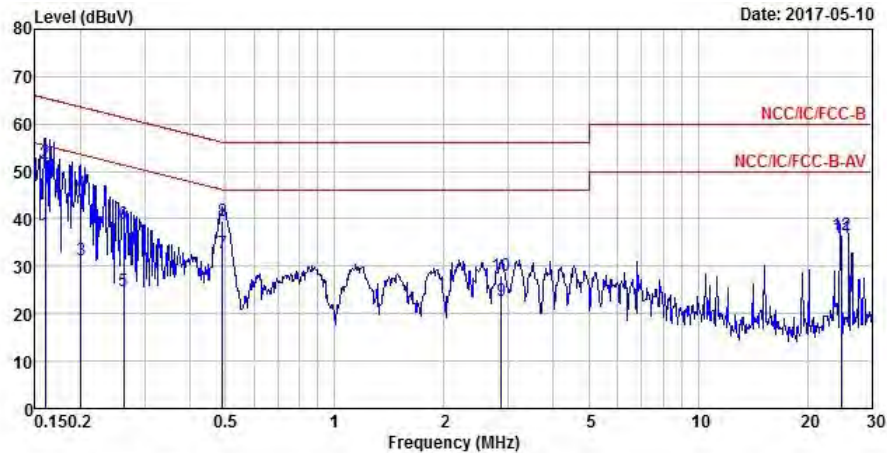


	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.16	38.12	-17.18	55.30	37.81	0.07	0.24	Average
2	0.16	51.90	-13.40	65.30	51.59	0.07	0.24	QP
3	0.21	30.01	-23.31	53.32	29.65	0.07	0.29	Average
4	0.21	44.71	-18.61	63.32	44.35	0.07	0.29	QP
5	0.26	24.92	-26.46	51.38	24.63	0.07	0.22	Average
6	0.26	39.50	-21.88	61.38	39.21	0.07	0.22	QP
7 MAX	0.49	33.44	-12.66	46.10	33.27	0.07	0.10	Average
8	0.49	40.04	-16.06	56.10	39.87	0.07	0.10	QP
9	2.92	25.02	-20.98	46.00	24.68	0.15	0.19	Average
10	2.92	29.43	-26.57	56.00	29.09	0.15	0.19	QP
11	27.59	31.80	-18.20	50.00	30.78	0.77	0.25	Average
12	27.59	32.52	-27.48	60.00	31.50	0.77	0.25	QP

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

AC Power-line Conducted Emissions Result

Operating Mode	2	Power Phase	Neutral
Operating Function	GPA SKU		

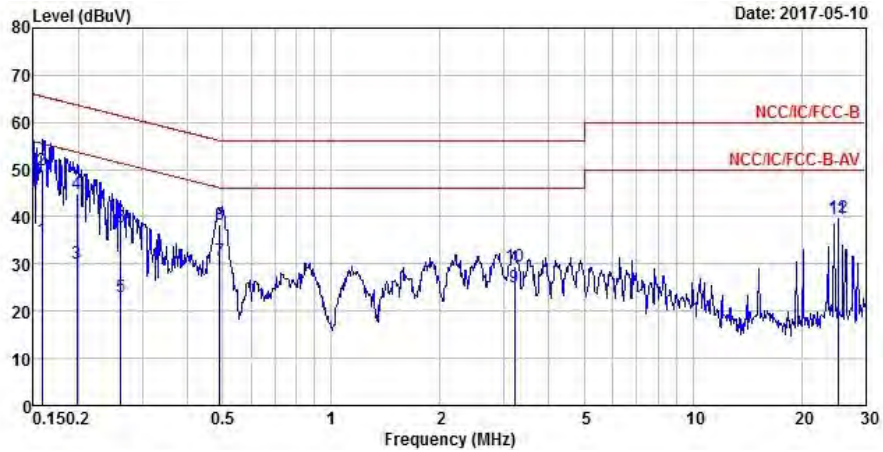


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.16	36.98	-18.49	55.47	36.71	0.03	0.24	Average
2	0.16	51.81	-13.66	65.47	51.54	0.03	0.24	QP
3	0.20	31.23	-22.35	53.58	30.90	0.03	0.30	Average
4	0.20	45.61	-17.97	63.58	45.28	0.03	0.30	QP
5	0.26	24.79	-26.55	51.34	24.54	0.03	0.22	Average
6	0.26	38.87	-22.47	61.34	38.62	0.03	0.22	QP
7 MAX	0.49	32.70	-13.44	46.14	32.57	0.03	0.10	Average
8	0.49	39.57	-16.57	56.14	39.44	0.03	0.10	QP
9	2.87	22.82	-23.18	46.00	22.54	0.08	0.20	Average
10	2.87	28.09	-27.91	56.00	27.81	0.08	0.20	QP
11	24.91	35.88	-14.12	50.00	35.22	0.46	0.20	Average
12	24.91	36.60	-23.40	60.00	35.94	0.46	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	2	Power Phase	Line
Operating Function	GPA SKU		

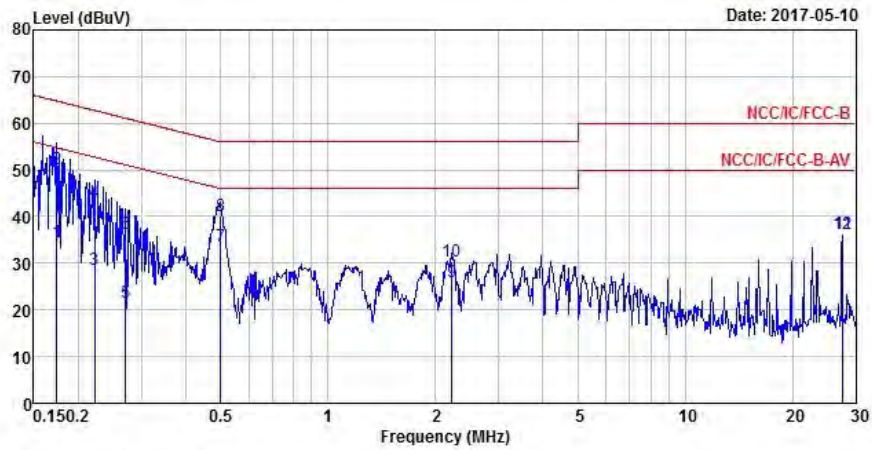


	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.16	35.20	-20.36	55.56	34.90	0.07	0.23	Average
2	0.16	49.76	-15.80	65.56	49.46	0.07	0.23	QP
3	0.20	30.02	-23.69	53.71	29.65	0.07	0.30	Average
4	0.20	44.84	-18.87	63.71	44.47	0.07	0.30	QP
5	0.26	23.14	-28.24	51.38	22.85	0.07	0.22	Average
6	0.26	37.73	-23.65	61.38	37.44	0.07	0.22	QP
7	0.49	30.72	-15.42	46.14	30.55	0.07	0.10	Average
8	0.49	38.44	-17.70	56.14	38.27	0.07	0.10	QP
9	3.21	25.00	-21.00	46.00	24.68	0.15	0.17	Average
10	3.21	29.49	-26.51	56.00	29.17	0.15	0.17	QP
11 MAX	25.17	39.66	-10.34	50.00	38.75	0.71	0.20	Average
12	25.17	39.89	-20.11	60.00	38.98	0.71	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	3	Power Phase	Neutral
Operating Function	Media SKU		



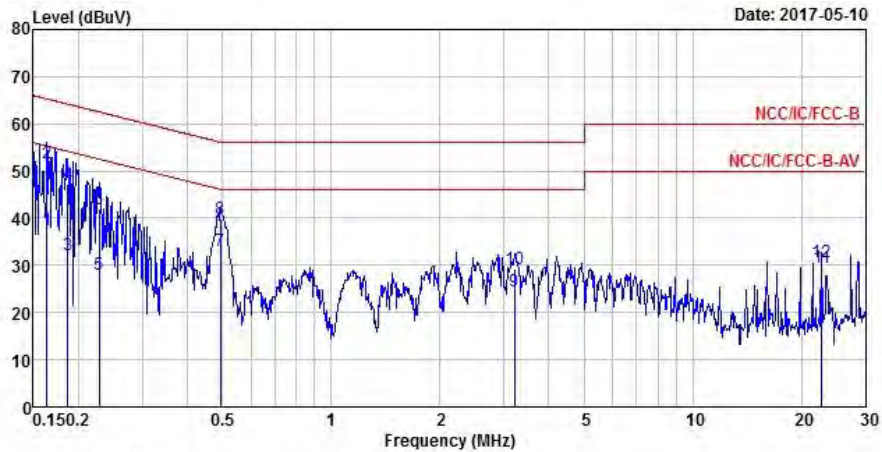
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.17	34.46	-20.31	54.77	34.17	0.03	0.26	Average
2	0.17	50.20	-14.57	64.77	49.91	0.03	0.26	QP
3	0.22	28.55	-24.19	52.74	28.25	0.03	0.27	Average
4	0.22	42.99	-19.75	62.74	42.69	0.03	0.27	QP
5	0.27	21.63	-29.44	51.07	21.39	0.03	0.21	Average
6	0.27	36.36	-24.71	61.07	36.12	0.03	0.21	QP
7 MAX	0.50	33.54	-12.47	46.01	33.41	0.03	0.10	Average
8	0.50	40.20	-15.81	56.01	40.07	0.03	0.10	QP
9	2.22	25.91	-20.09	46.00	25.57	0.07	0.27	Average
10	2.22	30.44	-25.56	56.00	30.10	0.07	0.27	QP
11	27.71	36.39	-13.61	50.00	35.64	0.50	0.25	Average
12	27.71	36.41	-23.59	60.00	35.66	0.50	0.25	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	3	Power Phase	Line
Operating Function	Media SKU		



	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.16	37.58	-17.72	55.30	37.27	0.07	0.24	Average
2	0.16	51.52	-13.78	65.30	51.21	0.07	0.24	QP
3	0.19	32.05	-22.15	54.20	31.70	0.07	0.28	Average
4	0.19	47.20	-17.00	64.20	46.85	0.07	0.28	QP
5	0.23	27.99	-24.53	52.52	27.66	0.07	0.26	Average
6	0.23	41.95	-20.57	62.52	41.62	0.07	0.26	QP
7 MAX	0.49	33.05	-13.05	46.10	32.88	0.07	0.10	Average
8	0.49	39.82	-16.28	56.10	39.65	0.07	0.10	QP
9	3.21	24.58	-21.42	46.00	24.26	0.15	0.17	Average
10	3.21	29.23	-26.77	56.00	28.91	0.15	0.17	QP
11	22.76	29.55	-20.45	50.00	28.71	0.64	0.20	Average
12	22.76	30.63	-29.37	60.00	29.79	0.64	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_(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	9.575M	12.225M	12M2G1D	9.5M	12.075M
802.11g_(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.35M	17.525M	17M5D1D	15.675M	16.7M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	17.6M	18.85M	18M8D1D	16.375M	17.9M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2.4-2.4835GHz	36.45M	37.2M	37M2D1D	34.95M	36.6M

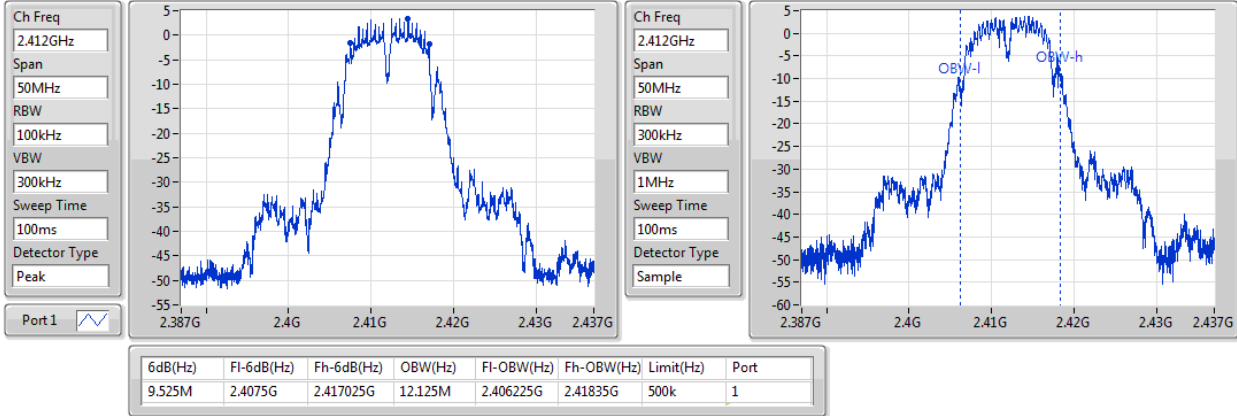
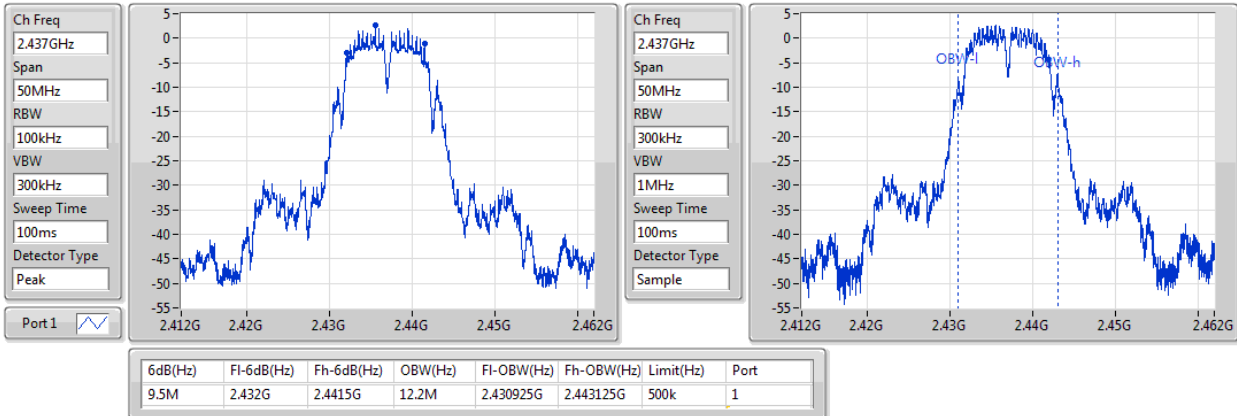
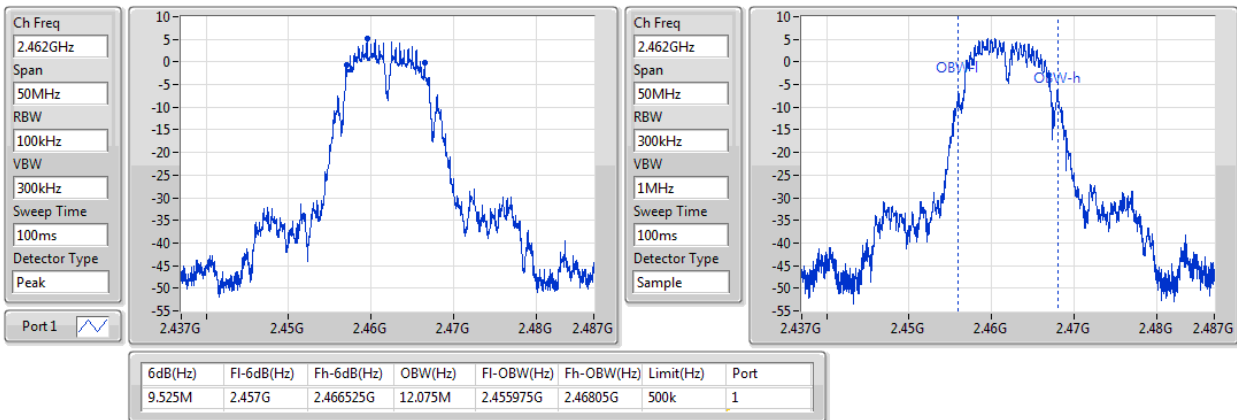
Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;

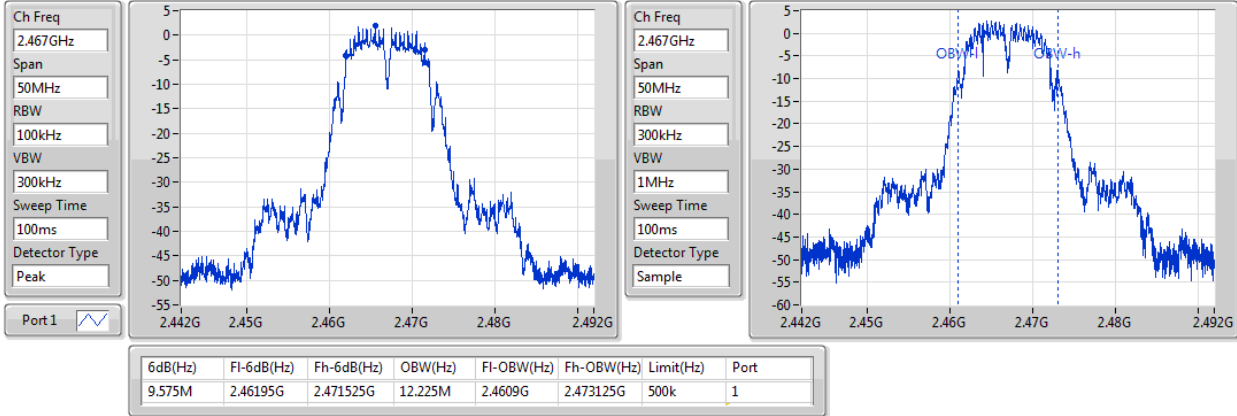
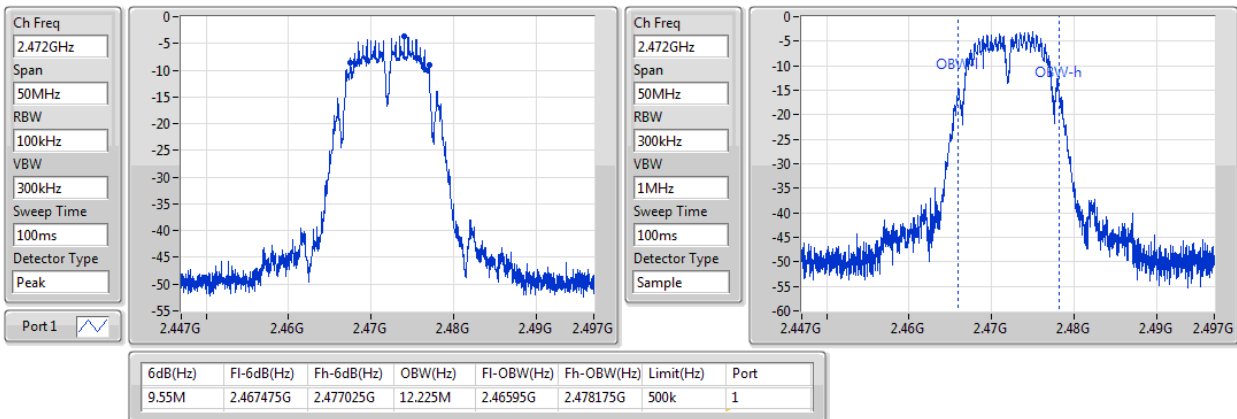
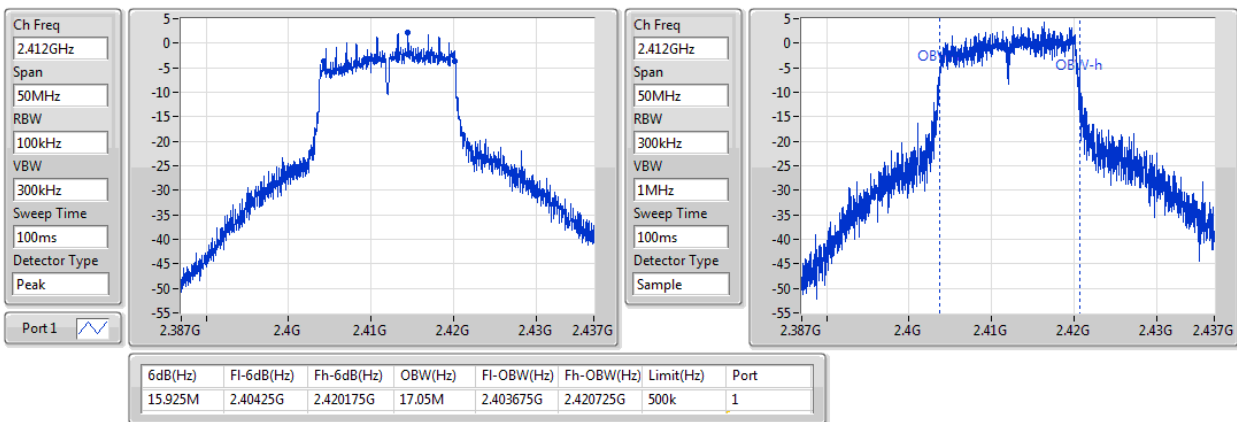
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

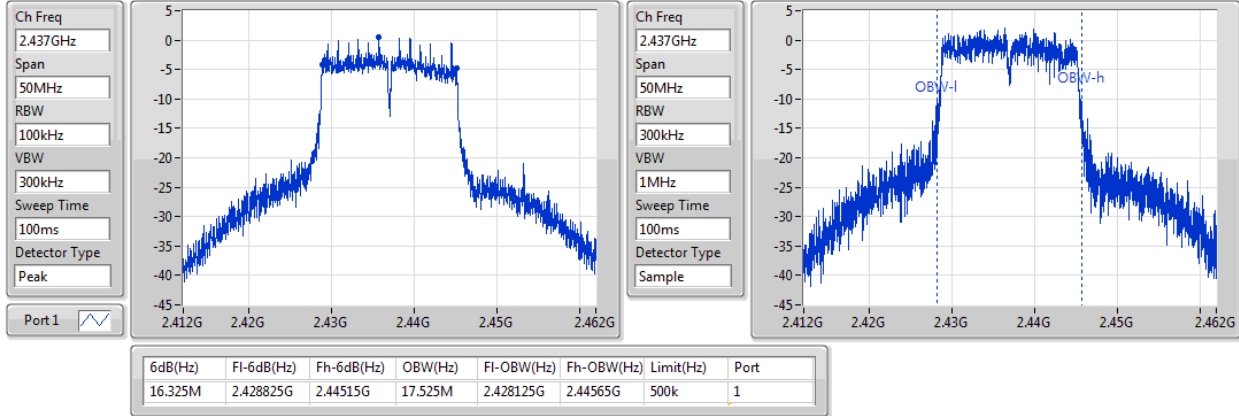
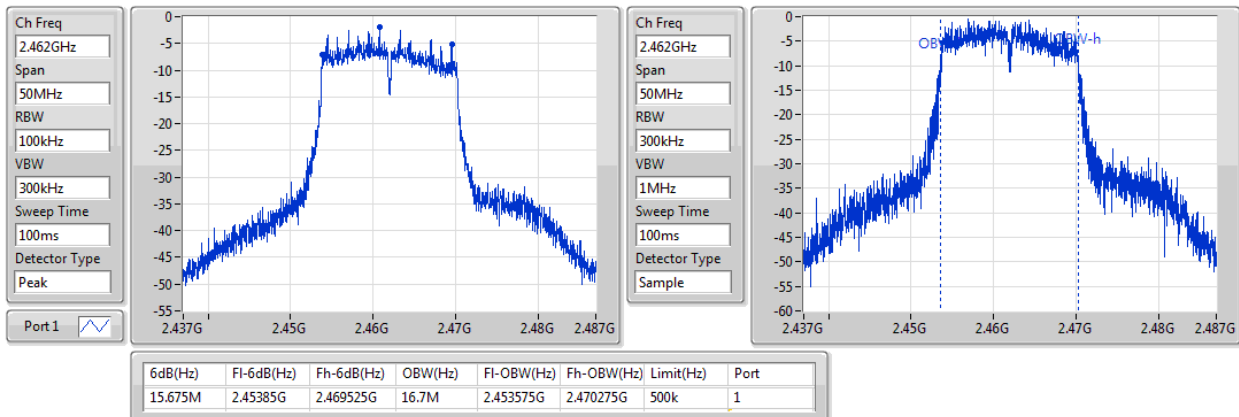
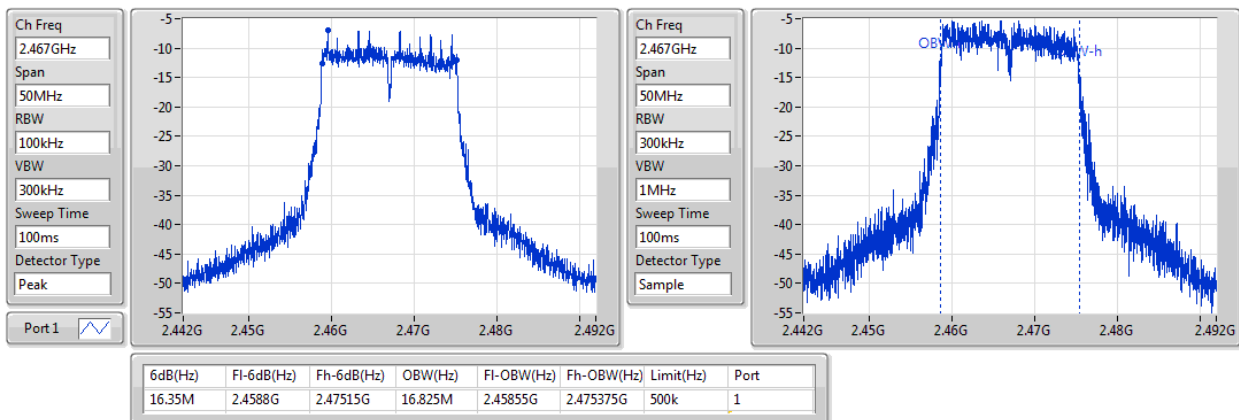
Result

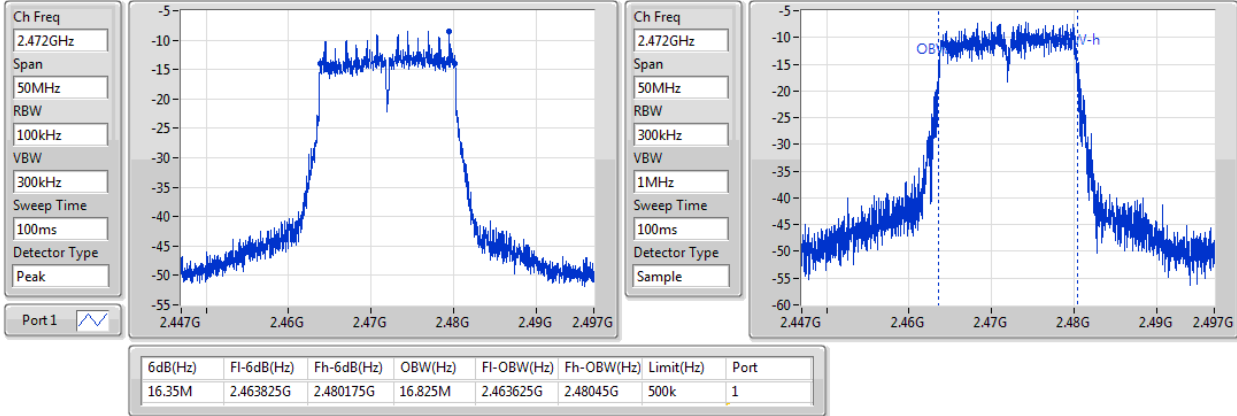
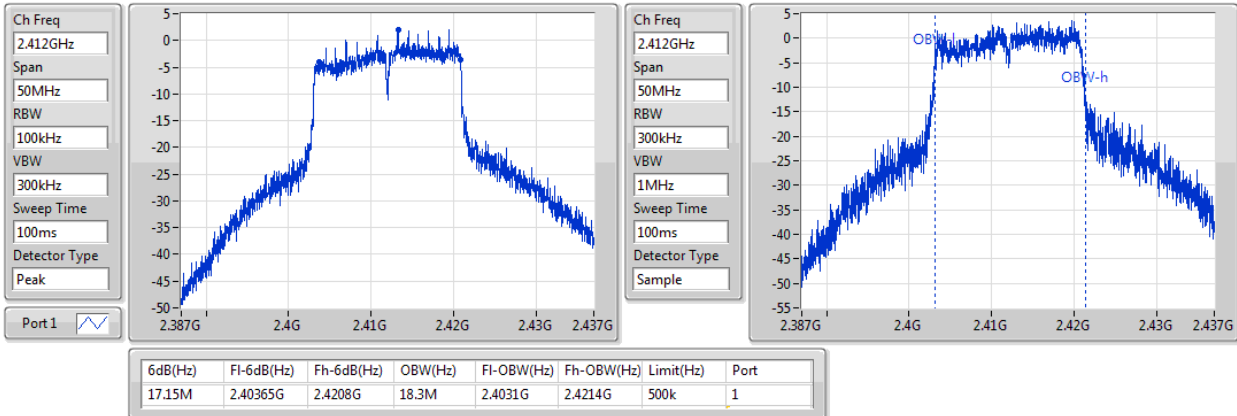
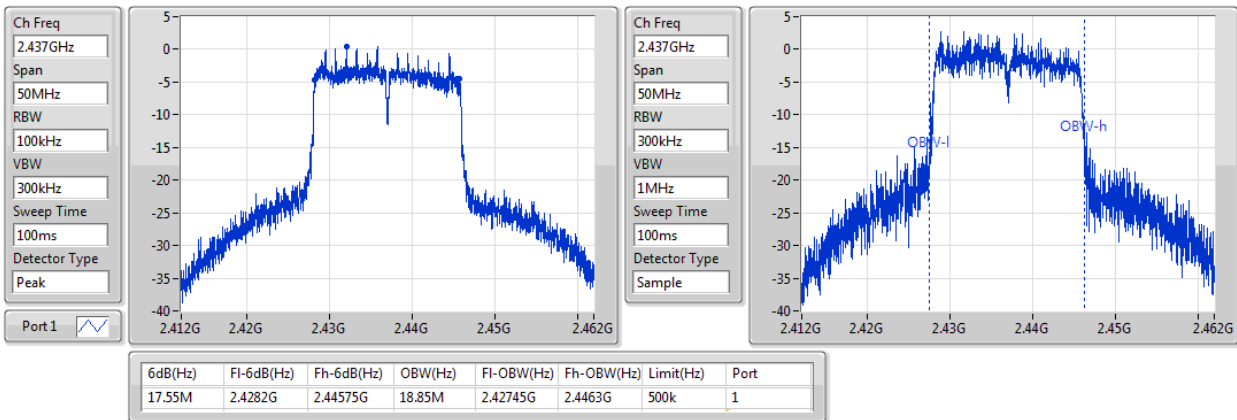
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	9.525M	12.125M
2437MHz	Pass	500k	9.5M	12.2M
2462MHz	Pass	500k	9.525M	12.075M
2467MHz	Pass	500k	9.575M	12.225M
2472MHz	Pass	500k	9.55M	12.225M
802.11g_(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	15.925M	17.05M
2437MHz	Pass	500k	16.325M	17.525M
2462MHz	Pass	500k	15.675M	16.7M
2467MHz	Pass	500k	16.35M	16.825M
2472MHz	Pass	500k	16.35M	16.825M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	17.15M	18.3M
2437MHz	Pass	500k	17.55M	18.85M
2462MHz	Pass	500k	16.375M	18.05M
2467MHz	Pass	500k	17.6M	17.925M
2472MHz	Pass	500k	17.6M	17.9M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	34.95M	36.8M
2437MHz	Pass	500k	36.45M	37.2M
2452MHz	Pass	500k	35.4M	36.65M
2462MHz	Pass	500k	35.65M	36.6M

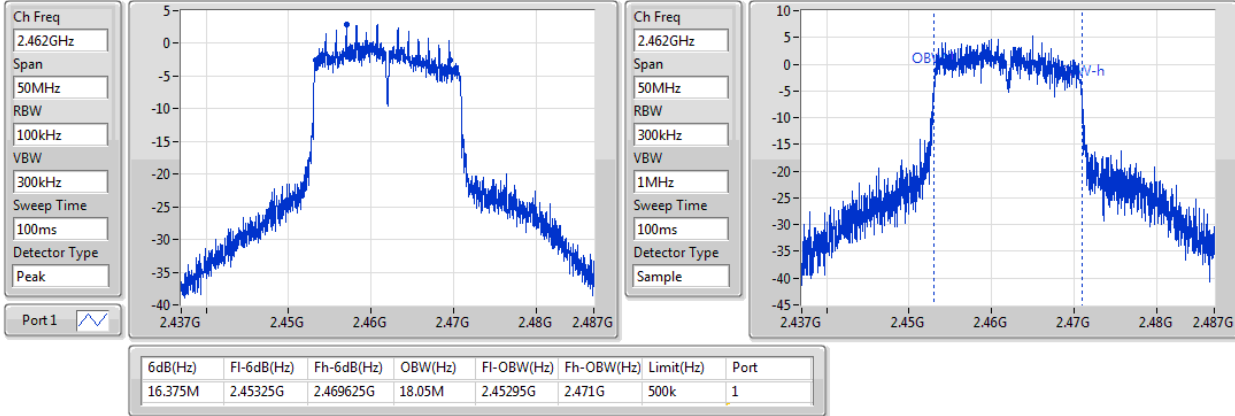
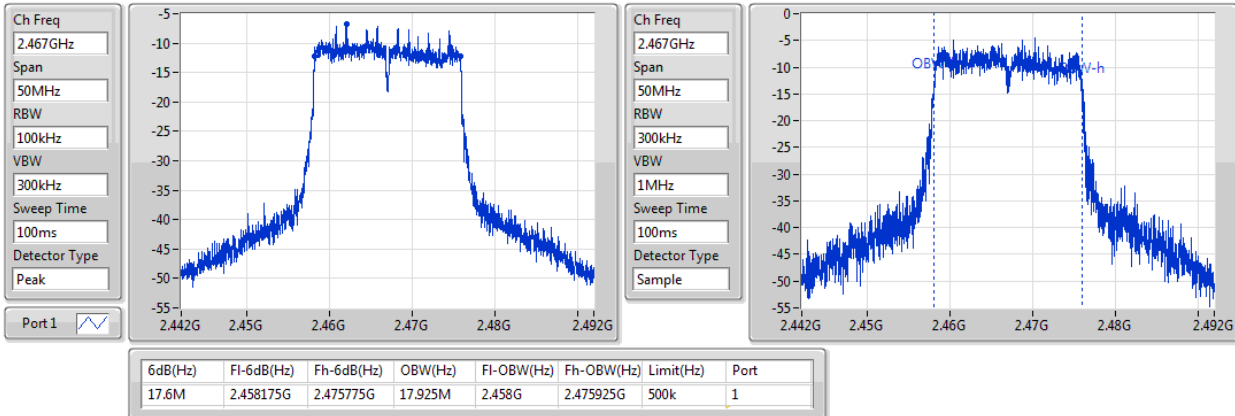
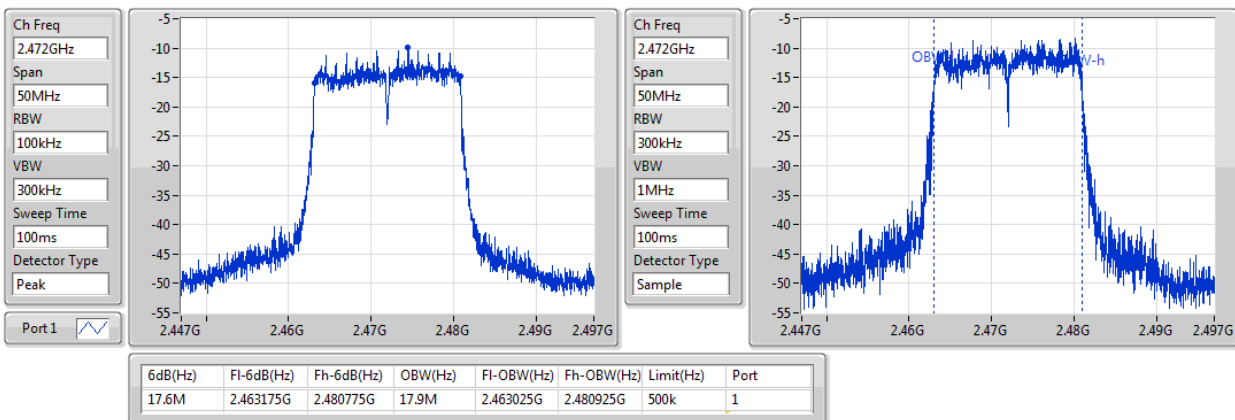
Port X-N dB = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

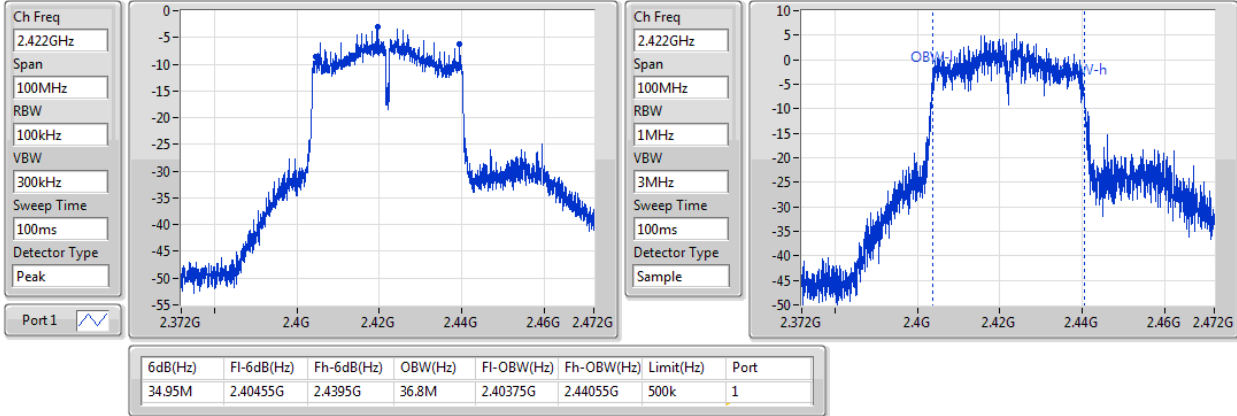
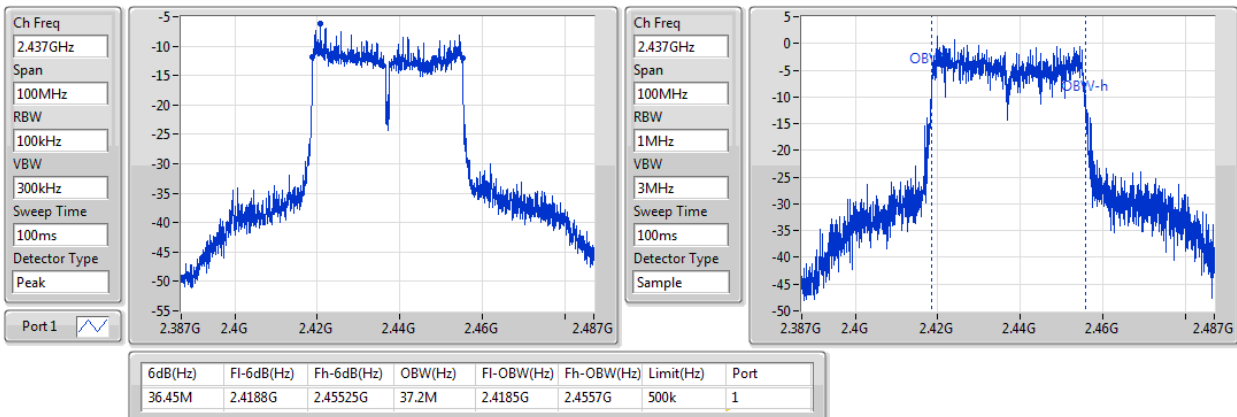
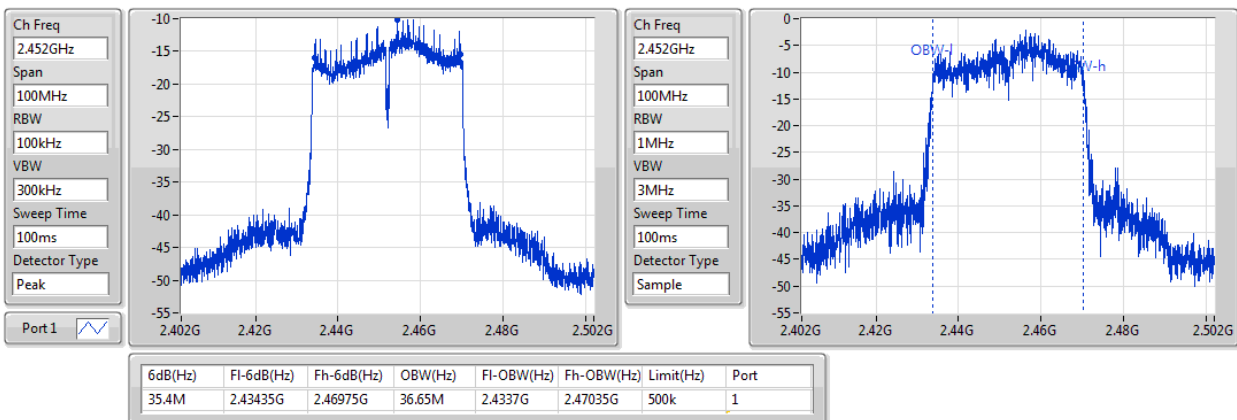
802.11b_(1Mbps)_1TX
EBW
2412MHz

802.11b_(1Mbps)_1TX
EBW
2437MHz

802.11b_(1Mbps)_1TX
EBW
2462MHz


802.11b_(1Mbps)_1TX
EBW
2467MHz

802.11b_(1Mbps)_1TX
EBW
2472MHz

802.11g_(6Mbps)_1TX
EBW
2412MHz


802.11g_(6Mbps)_1TX
EBW
2437MHz

802.11g_(6Mbps)_1TX
EBW
2462MHz

802.11g_(6Mbps)_1TX
EBW
2467MHz


802.11g_(6Mbps)_1TX
EBW
2472MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2412MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2437MHz


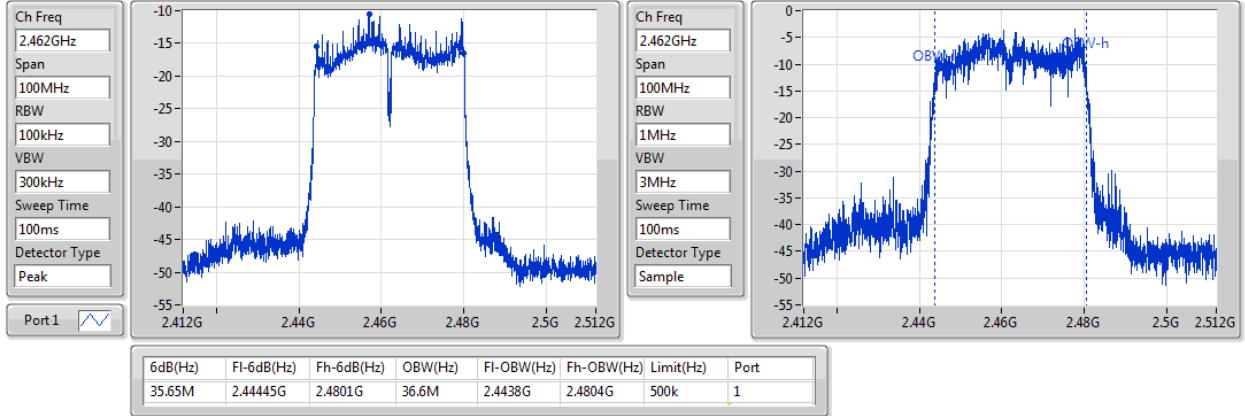
802.11n HT20_Nss1,(MCS0)_1TX
EBW
2462MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2467MHz

802.11n HT20_Nss1,(MCS0)_1TX
EBW
2472MHz


802.11n HT40_Nss1,(MCS0)_1TX
EBW
2422MHz

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2437MHz

802.11n HT40_Nss1,(MCS0)_1TX
EBW
2452MHz


802.11n HT40_Nss1,(MCS0)_1TX

EBW

2462MHz



**Summary**

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_1TX	-	-
2.4-2.4835GHz	13.78	0.02388
802.11g_(6Mbps)_1TX	-	-
2.4-2.4835GHz	12.00	0.01585
802.11n HT20_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	12.21	0.01663
802.11n HT40_Nss1,(MCS0)_1TX	-	-
2.4-2.4835GHz	5.14	0.00327

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	12.63	12.63	30.00
2437MHz	Pass	1.30	11.58	11.58	30.00
2462MHz	Pass	1.30	13.78	13.78	30.00
2467MHz	Pass	1.30	11.40	11.40	30.00
2472MHz	Pass	1.30	5.83	5.83	30.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	8.53	8.53	30.00
2437MHz	Pass	1.30	12.00	12.00	30.00
2462MHz	Pass	1.30	8.90	8.90	30.00
2467MHz	Pass	1.30	4.76	4.76	30.00
2472MHz	Pass	1.30	2.76	2.76	30.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	9.00	9.00	30.00
2437MHz	Pass	1.30	12.21	12.21	30.00
2462MHz	Pass	1.30	8.42	8.42	30.00
2467MHz	Pass	1.30	4.41	4.41	30.00
2472MHz	Pass	1.30	1.80	1.80	30.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.30	4.39	4.39	30.00
2437MHz	Pass	1.30	5.14	5.14	30.00
2452MHz	Pass	1.30	3.48	3.48	30.00
2462MHz	Pass	1.30	2.85	2.85	30.00

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

Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_1TX	-
2.4-2.4835GHz	-8.25
802.11g_(6Mbps)_1TX	-
2.4-2.4835GHz	-14.47
802.11n HT20_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-15.06
802.11n HT40_Nss1,(MCS0)_1TX	-
2.4-2.4835GHz	-23.75

RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	-10.18	-10.18	8.00
2437MHz	Pass	1.30	-8.25	-8.25	8.00
2462MHz	Pass	1.30	-9.52	-9.52	8.00
2467MHz	Pass	1.30	-11.54	-11.54	8.00
2472MHz	Pass	1.30	-17.29	-17.29	8.00
802.11g_(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	-17.28	-17.28	8.00
2437MHz	Pass	1.30	-14.47	-14.47	8.00
2462MHz	Pass	1.30	-16.98	-16.98	8.00
2467MHz	Pass	1.30	-21.66	-21.66	8.00
2472MHz	Pass	1.30	-24.28	-24.28	8.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	1.30	-17.32	-17.32	8.00
2437MHz	Pass	1.30	-15.06	-15.06	8.00
2462MHz	Pass	1.30	-17.20	-17.20	8.00
2467MHz	Pass	1.30	-21.66	-21.66	8.00
2472MHz	Pass	1.30	-25.51	-25.51	8.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	1.30	-23.75	-23.75	8.00
2437MHz	Pass	1.30	-23.82	-23.82	8.00
2452MHz	Pass	1.30	-24.66	-24.66	8.00
2462MHz	Pass	1.30	-25.39	-25.39	8.00

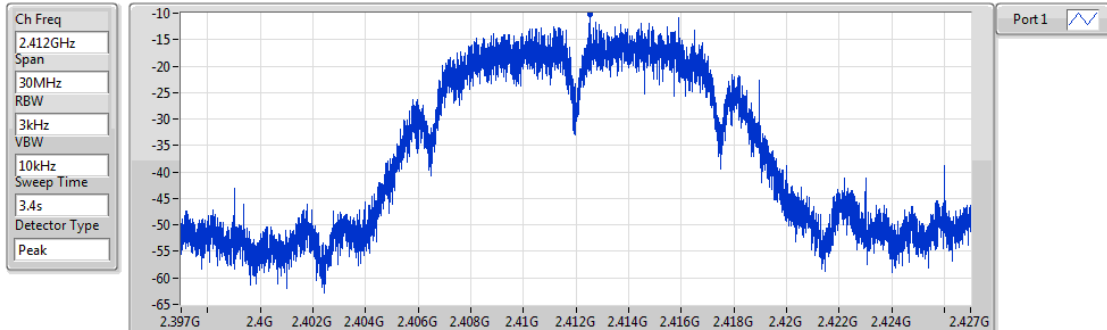
DG = Directional Gain; RBW=3kHz;

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)_1TX

PSD

2412MHz

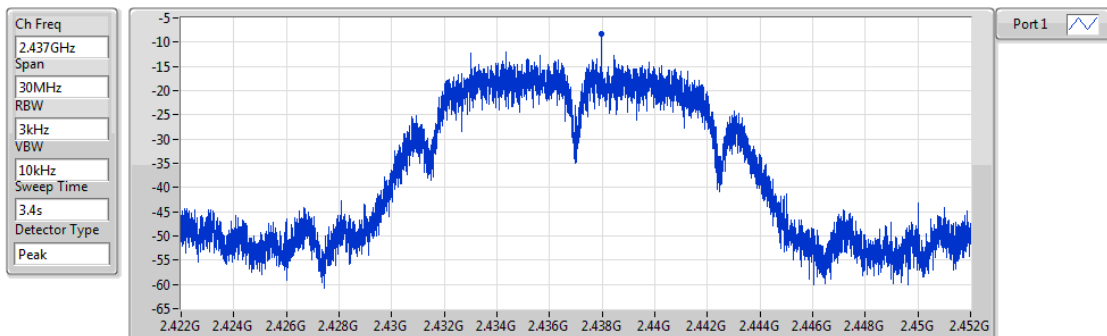


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.18	-10.18	-10.18

802.11b_(1Mbps)_1TX

PSD

2437MHz

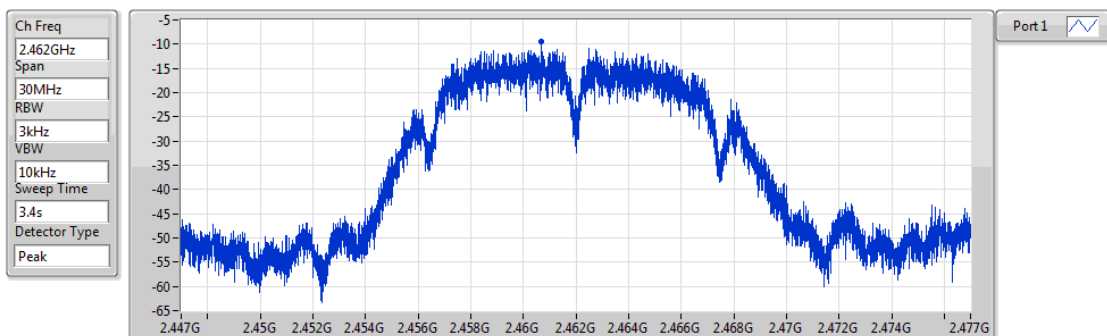


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.25	-8.25	-8.25

802.11b_(1Mbps)_1TX

PSD

2462MHz

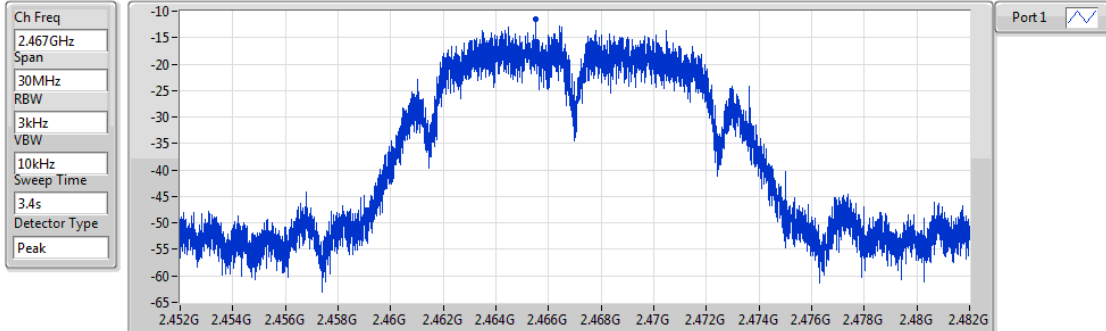


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.52	-9.52	-9.52

802.11b_(1Mbps)_1TX

PSD

2467MHz

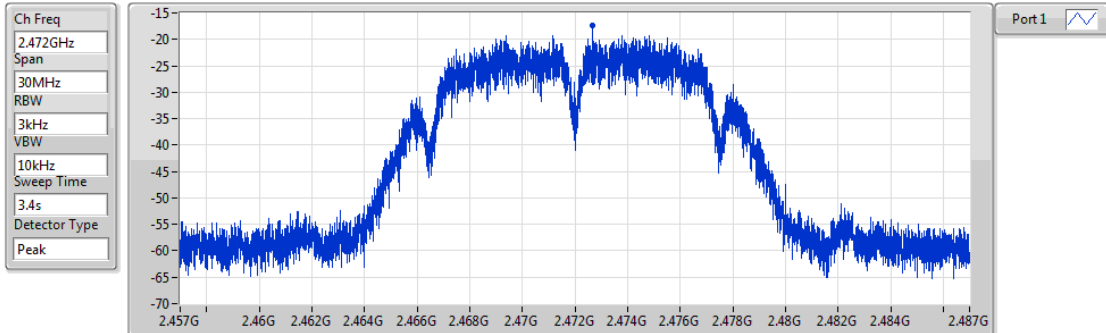


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.54	-11.54	-11.54

802.11b_(1Mbps)_1TX

PSD

2472MHz

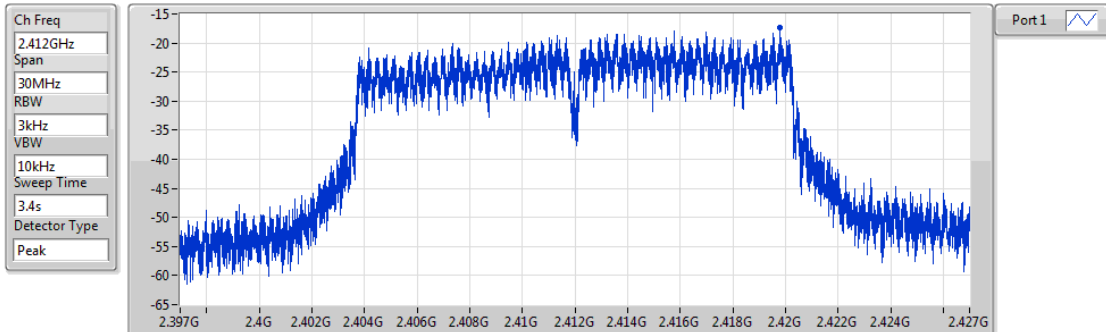


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.29	-17.29	-17.29

802.11g_(6Mbps)_1TX

PSD

2412MHz

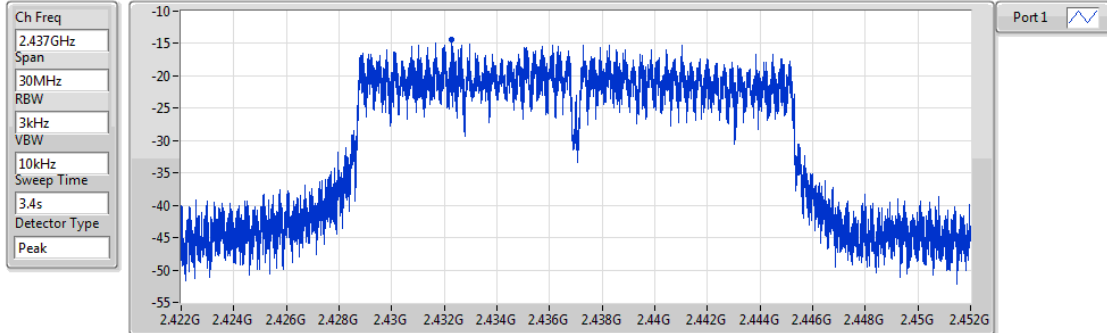


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.28	-17.28	-17.28

802.11g_(6Mbps)_1TX

PSD

2437MHz

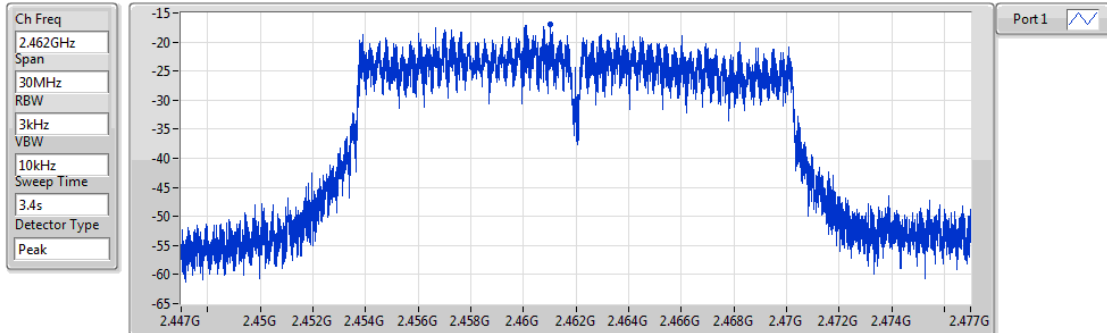


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-14.47	-14.47	-14.47

802.11g_(6Mbps)_1TX

PSD

2462MHz

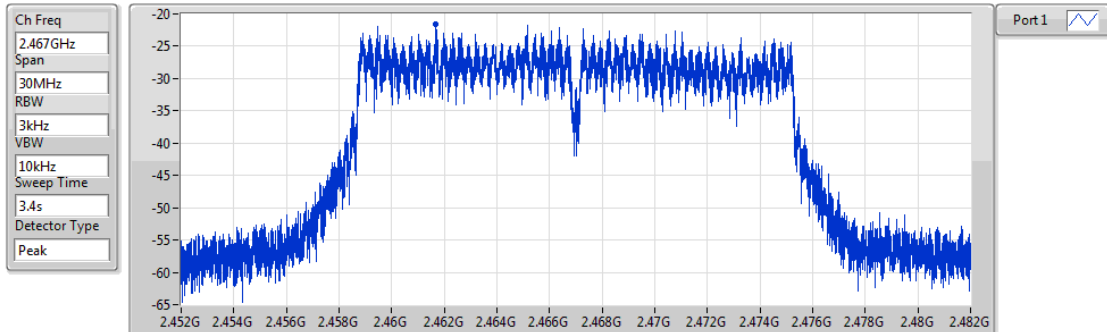


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-16.98	-16.98	-16.98

802.11g_(6Mbps)_1TX

PSD

2467MHz

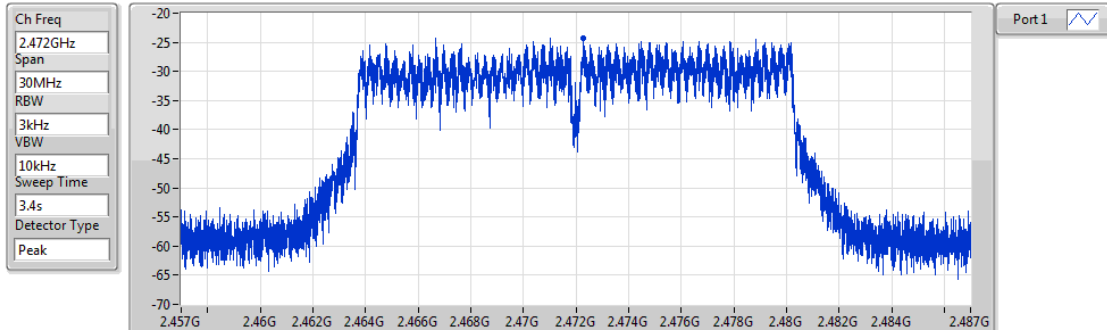


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.66	-21.66	-21.66

802.11g_(6Mbps)_1TX

PSD

2472MHz

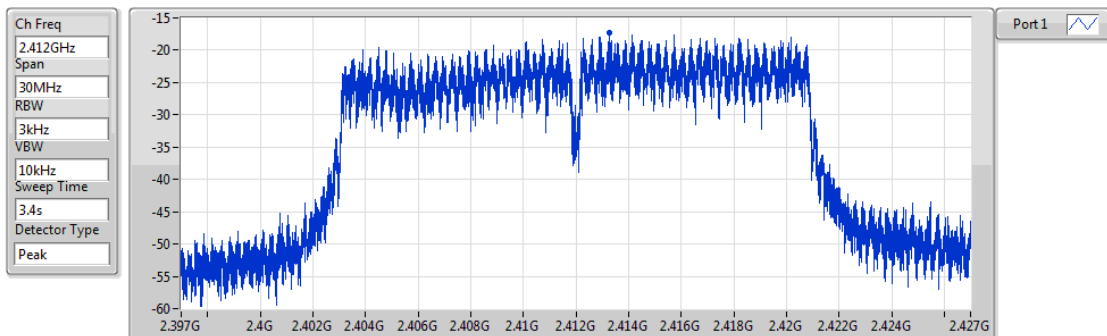


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-24.28	-24.28	-24.28

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2412MHz

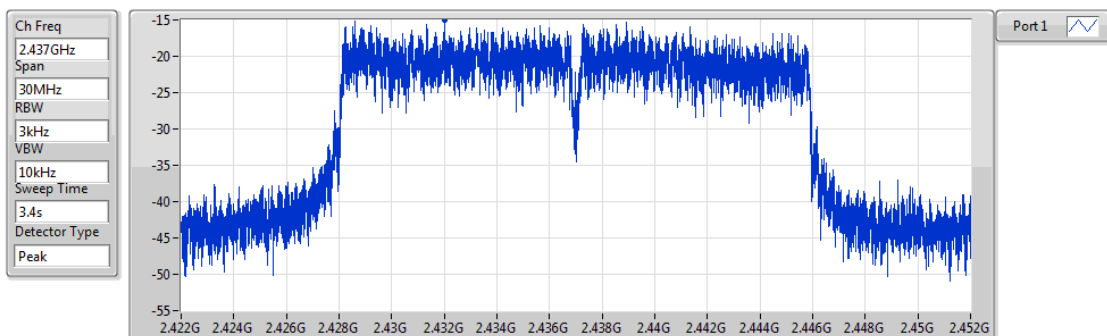


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.32	-17.32	-17.32

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2437MHz

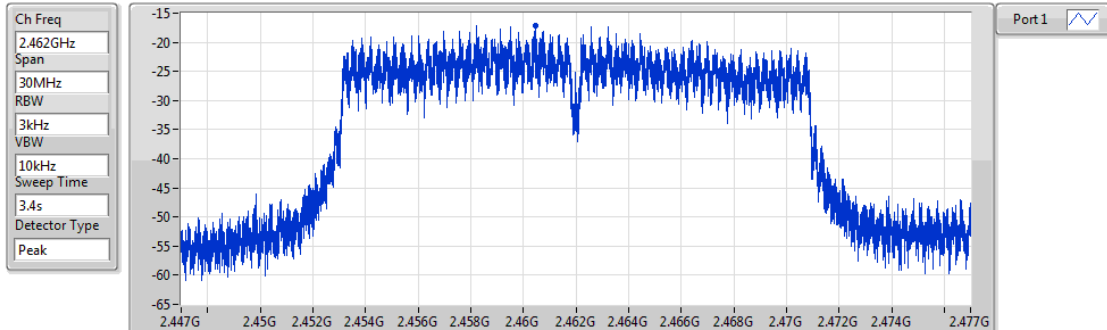


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-15.06	-15.06	-15.06

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2462MHz

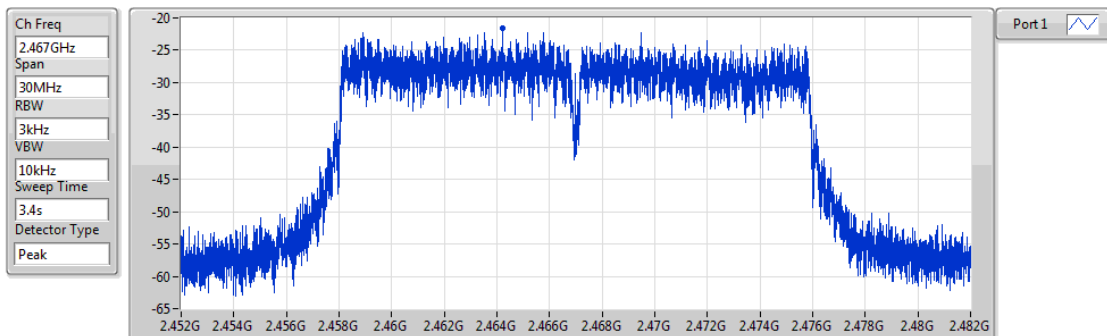


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-17.20	-17.20	-17.20

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2467MHz

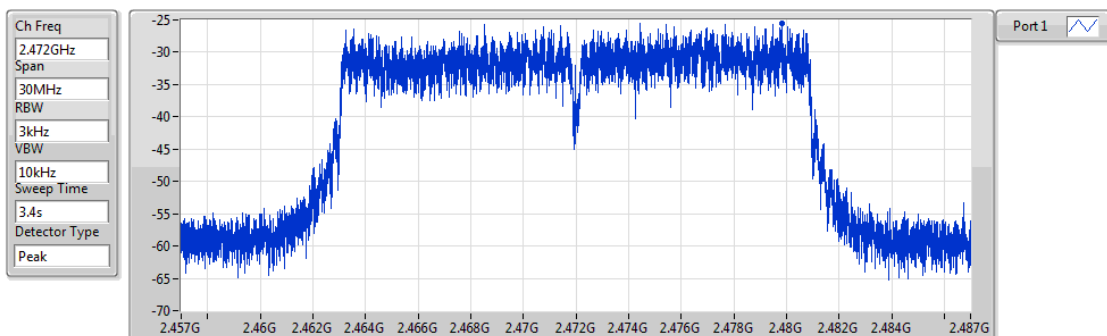


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-21.66	-21.66	-21.66

802.11n HT20_Nss1,(MCS0)_1TX

PSD

2472MHz

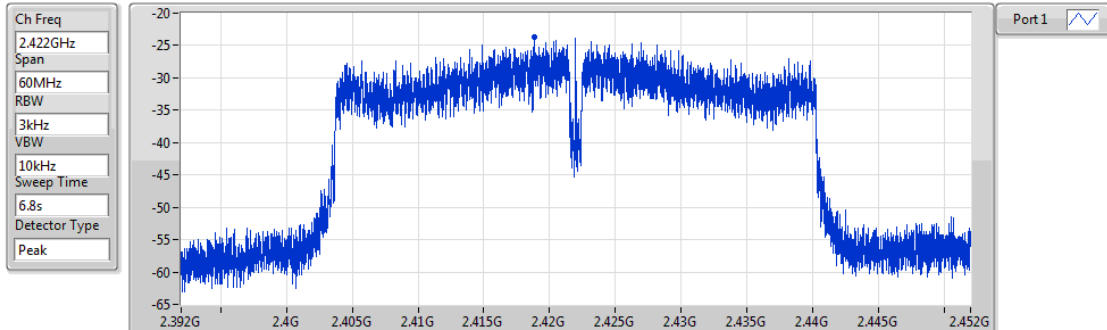


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-25.51	-25.51	-25.51

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2422MHz

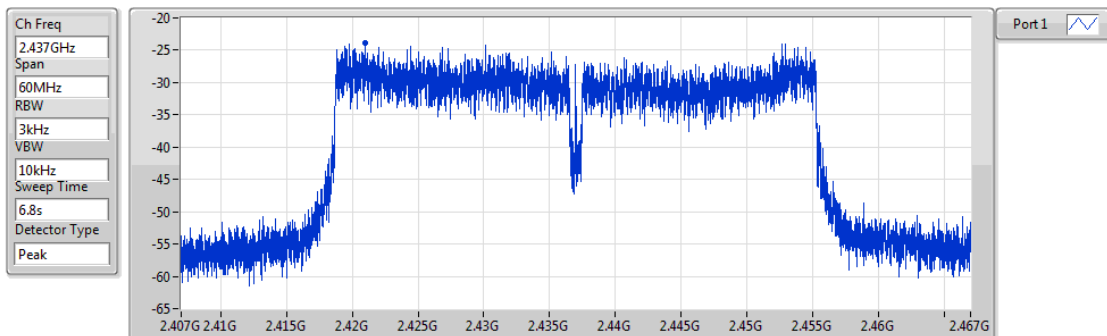


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-23.75	-23.75	-23.75

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2437MHz

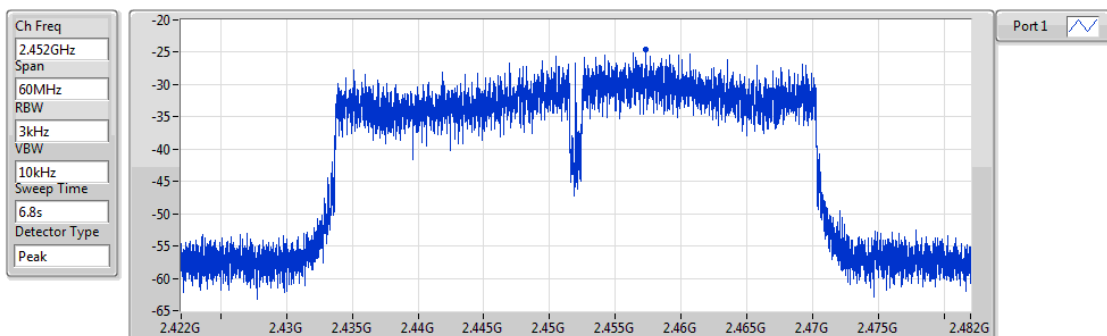


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-23.82	-23.82	-23.82

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2452MHz

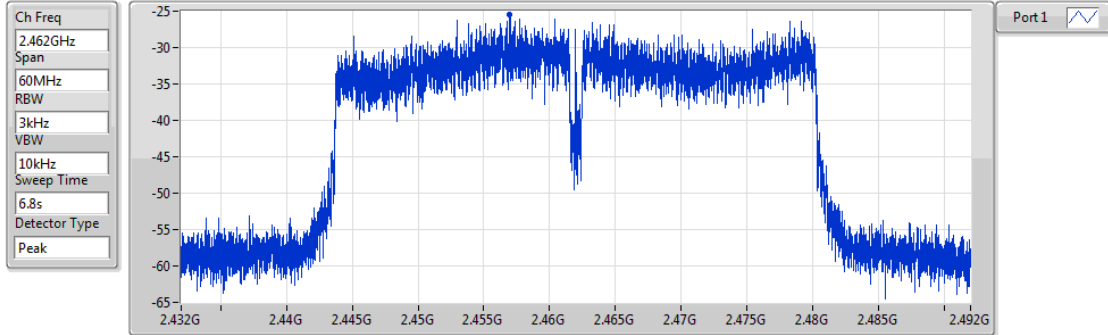


Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-24.66	-24.66	-24.66

802.11n HT40_Nss1,(MCS0)_1TX

PSD

2462MHz



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-25.39	-25.39	-25.39

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.434569G	-1.45	-31.45	734.825M	-56.35	2.39776G	-64.22	2.48446G	-31.62	21.858909G	-59.00	1

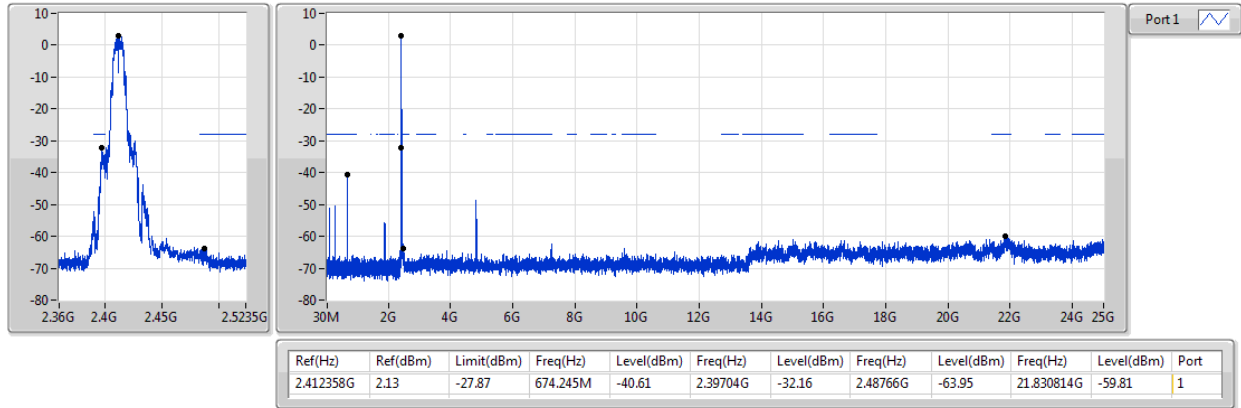
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.412358G	2.13	-27.87	674.245M	-40.61	2.39704G	-32.16	2.48766G	-63.95	21.830814G	-59.81	1
2437MHz	Pass	2.435404G	2.13	-27.87	698.71M	-39.67	2.39968G	-61.49	2.48414G	-63.63	21.954434G	-60.38	1
2462MHz	Pass	2.46012G	2.13	-27.87	724.34M	-36.65	2.39752G	-63.51	2.48358G	-46.97	21.85048G	-59.48	1
2467MHz	Pass	2.459953G	2.13	-27.87	724.34M	-40.33	2.39456G	-64.47	2.48494G	-51.47	21.872957G	-59.92	1
2472MHz	Pass	2.471643G	2.13	-27.87	733.66M	-53.48	2.39024G	-65.42	2.48358G	-46.52	21.985339G	-59.51	1
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.438243G	-1.16	-31.16	675.41M	-54.65	2.39992G	-32.91	2.48886G	-64.67	21.948815G	-60.69	1
2437MHz	Pass	2.438243G	-1.16	-31.16	701.04M	-50.77	2.3992G	-45.14	2.48414G	-53.92	21.934767G	-59.64	1
2462MHz	Pass	2.438243G	-1.16	-31.16	722.01M	-54.49	2.39864G	-64.25	2.48358G	-45.07	21.842052G	-59.80	1
2467MHz	Pass	2.438243G	-1.16	-31.16	729M	-61.81	2.39792G	-65.24	2.48382G	-45.65	21.909481G	-59.42	1
2472MHz	Pass	2.438243G	-1.16	-31.16	734.825M	-64.55	2.39792G	-65.06	2.48382G	-42.11	21.78867G	-59.42	1
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.434569G	-1.45	-31.45	675.41M	-55.21	2.39992G	-31.82	2.48366G	-63.24	24.817378G	-60.15	1
2437MHz	Pass	2.434569G	-1.45	-31.45	697.545M	-46.68	2.39984G	-42.84	2.48478G	-47.51	21.805527G	-60.07	1
2462MHz	Pass	2.434569G	-1.45	-31.45	734.825M	-56.35	2.39776G	-64.22	2.48446G	-31.62	21.858909G	-59.00	1
2467MHz	Pass	2.434569G	-1.45	-31.45	730.165M	-63.36	2.39728G	-64.60	2.48382G	-42.24	21.889814G	-59.10	1
2472MHz	Pass	2.434569G	-1.45	-31.45	734.825M	-64.29	2.39896G	-65.62	2.48398G	-44.40	21.842052G	-60.10	1
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.419372G	-9.13	-39.13	686.085M	-64.92	2.39792G	-40.35	2.48382G	-60.72	24.960736G	-60.07	1
2437MHz	Pass	2.419372G	-9.13	-39.13	680.36M	-65.04	2.39968G	-40.06	2.48414G	-48.51	21.900958G	-59.86	1
2452MHz	Pass	2.419372G	-9.13	-39.13	714.71M	-64.82	2.39984G	-60.48	2.48446G	-43.53	21.968268G	-59.63	1
2462MHz	Pass	2.419372G	-9.13	-39.13	728.45M	-65.26	2.39984G	-64.56	2.4851G	-43.33	21.937418G	-60.08	1

802.11b_(1Mbps)_1TX

CSE NdB

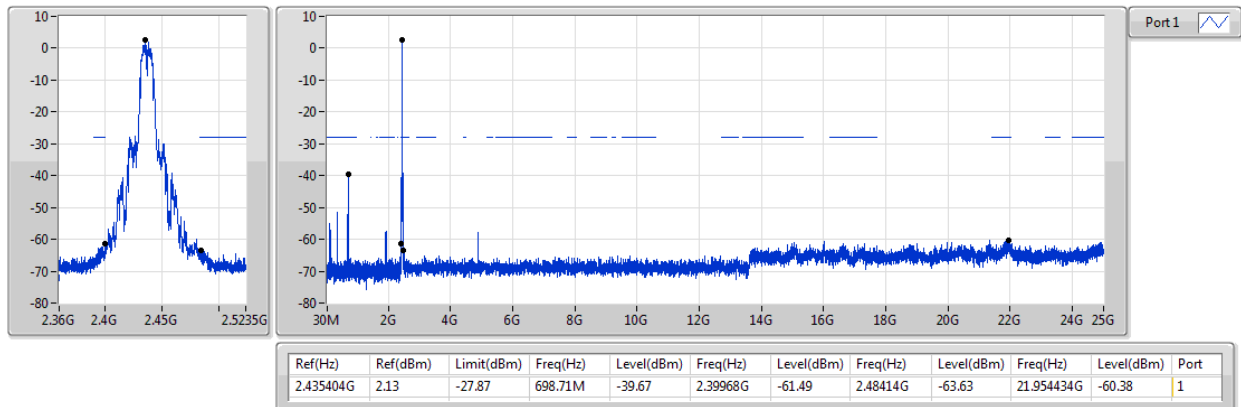
2412MHz



802.11b_(1Mbps)_1TX

CSE NdB

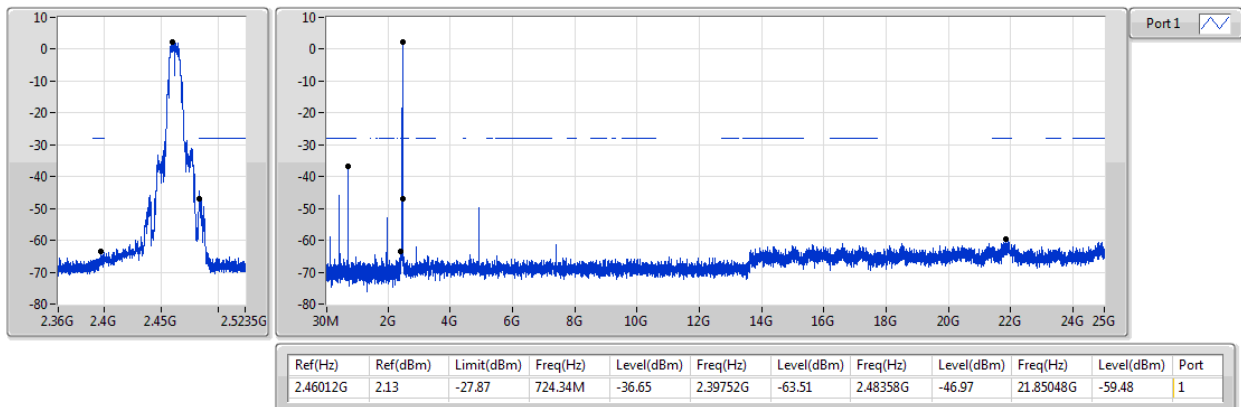
2437MHz



802.11b_(1Mbps)_1TX

CSE NdB

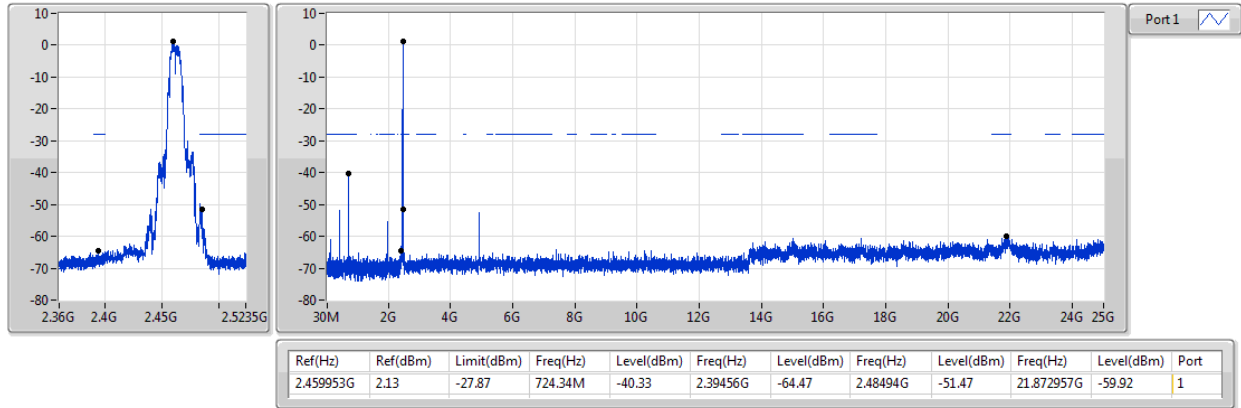
2462MHz



802.11b_(1Mbps)_1TX

CSE NdB

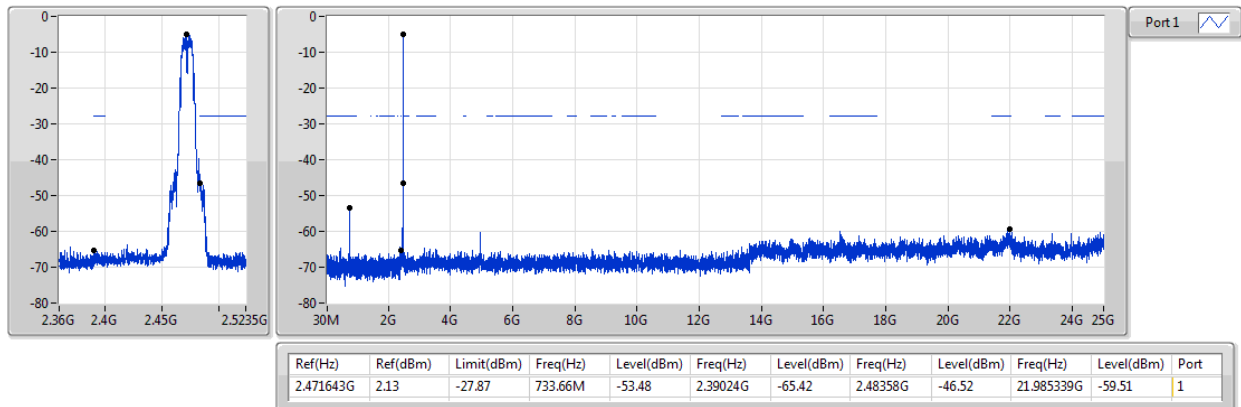
2467MHz



802.11b_(1Mbps)_1TX

CSE NdB

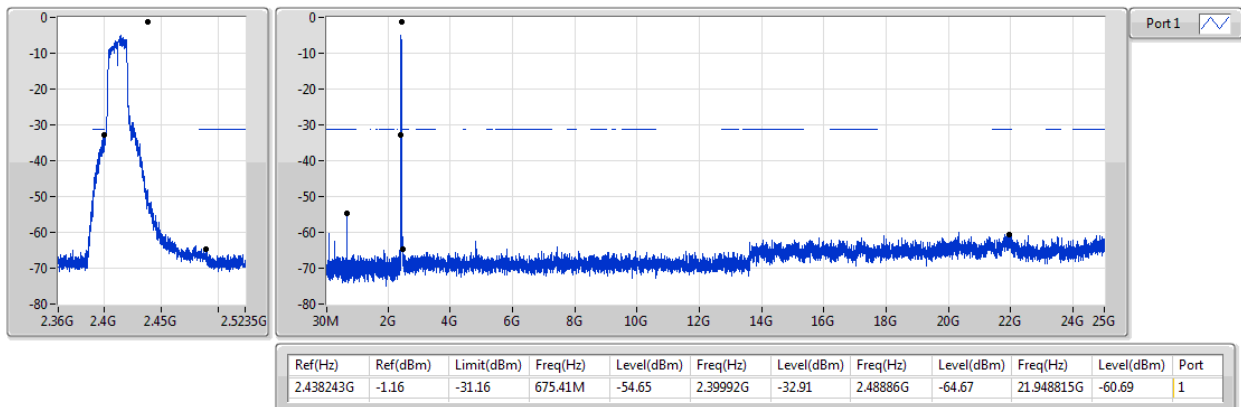
2472MHz



802.11g_(6Mbps)_1TX

CSE NdB

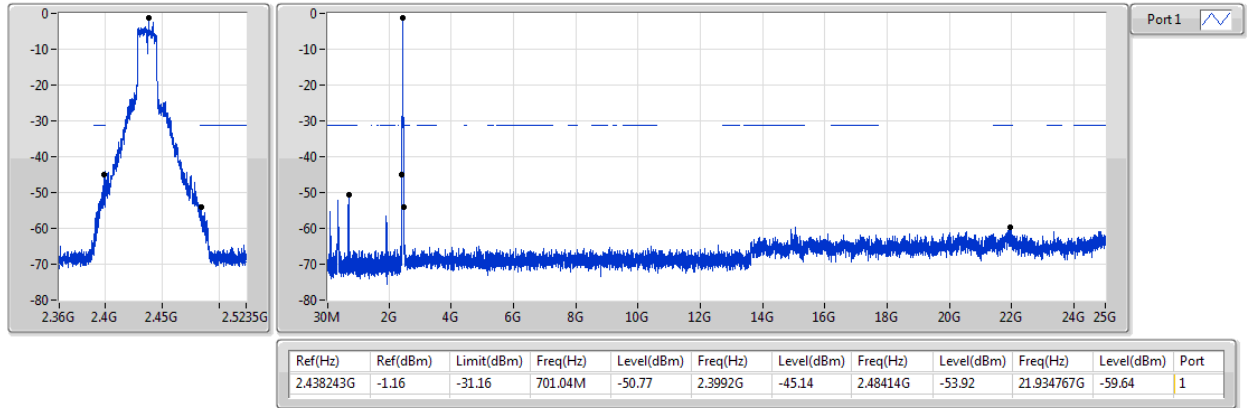
2412MHz



802.11g_(6Mbps)_1TX

CSE NdB

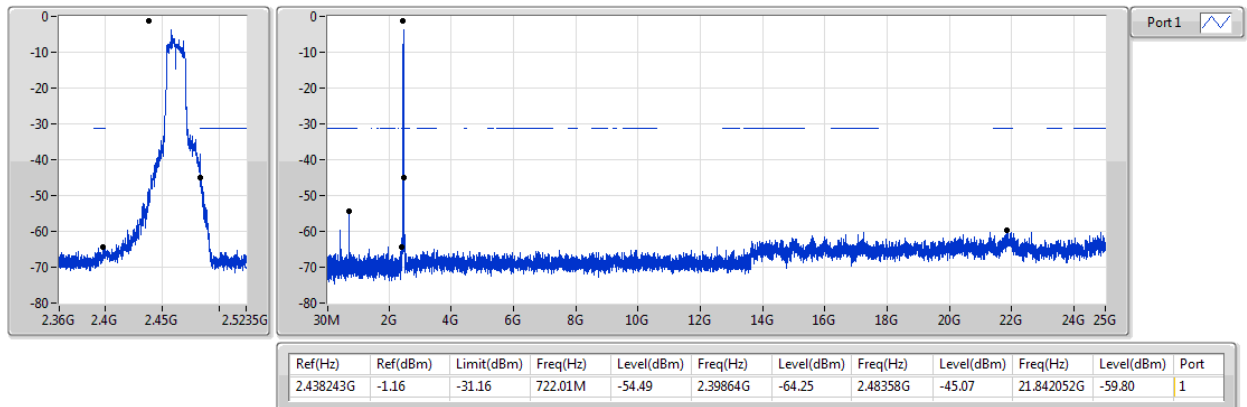
2437MHz



802.11g_(6Mbps)_1TX

CSE NdB

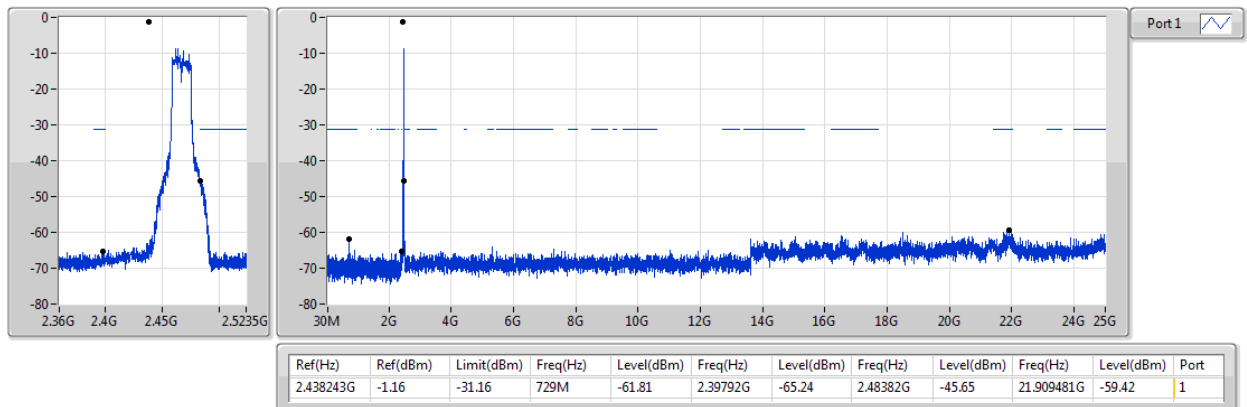
2462MHz



802.11g_(6Mbps)_1TX

CSE NdB

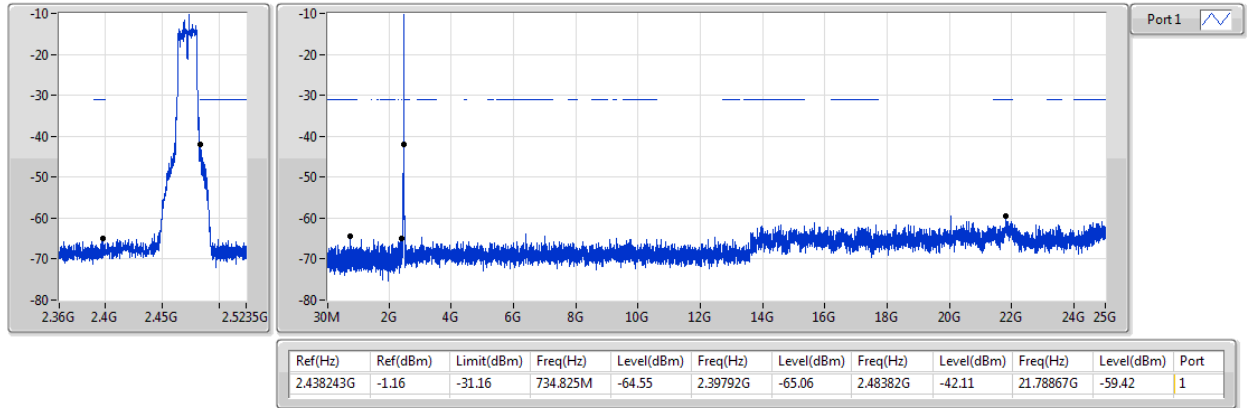
2467MHz



802.11g_(6Mbps)_1TX

CSE NdB

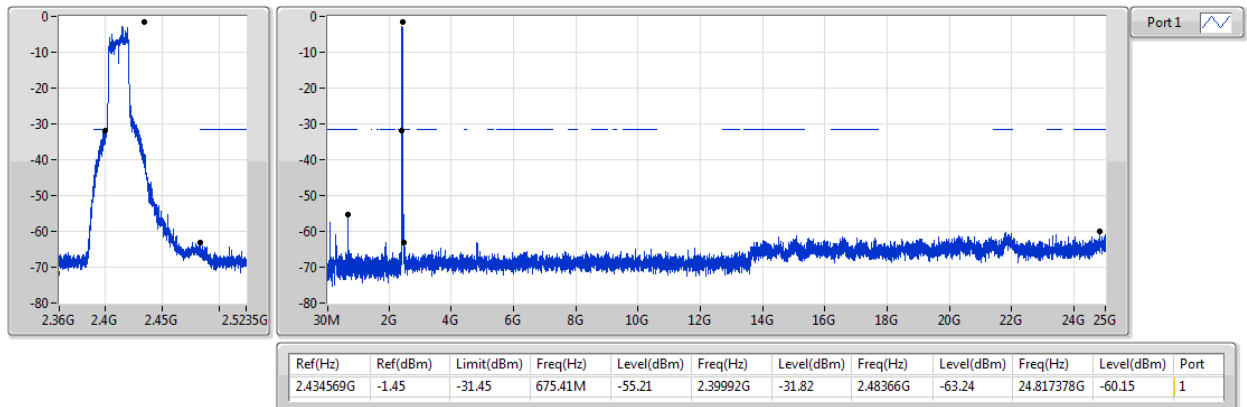
2472MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

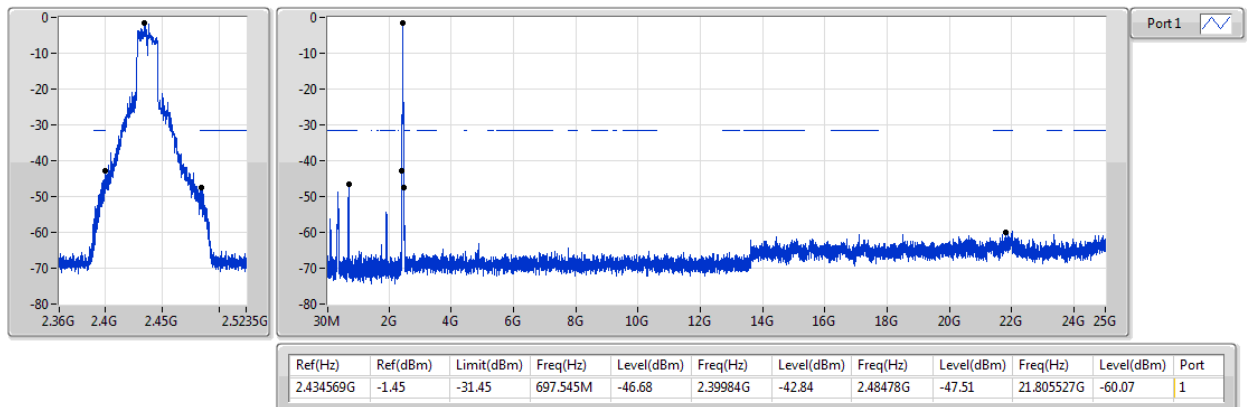
2412MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

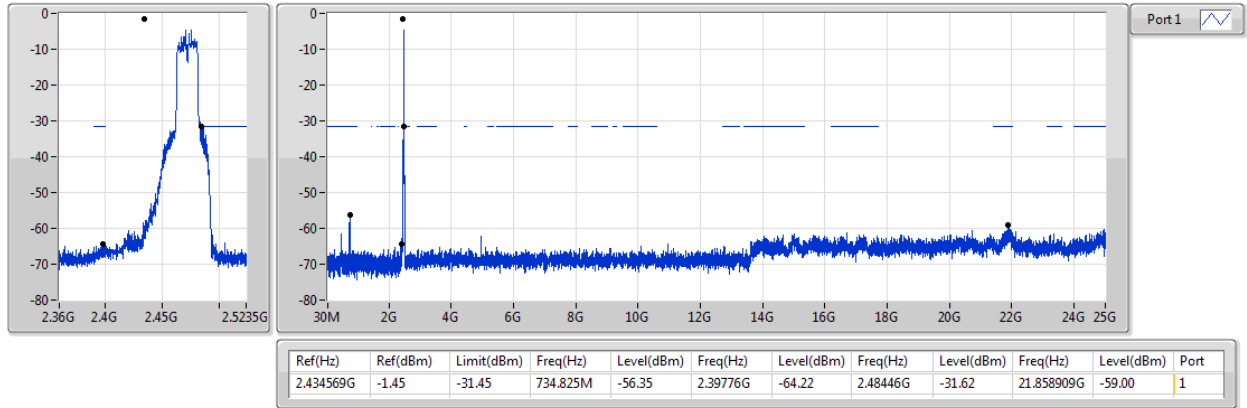
2437MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

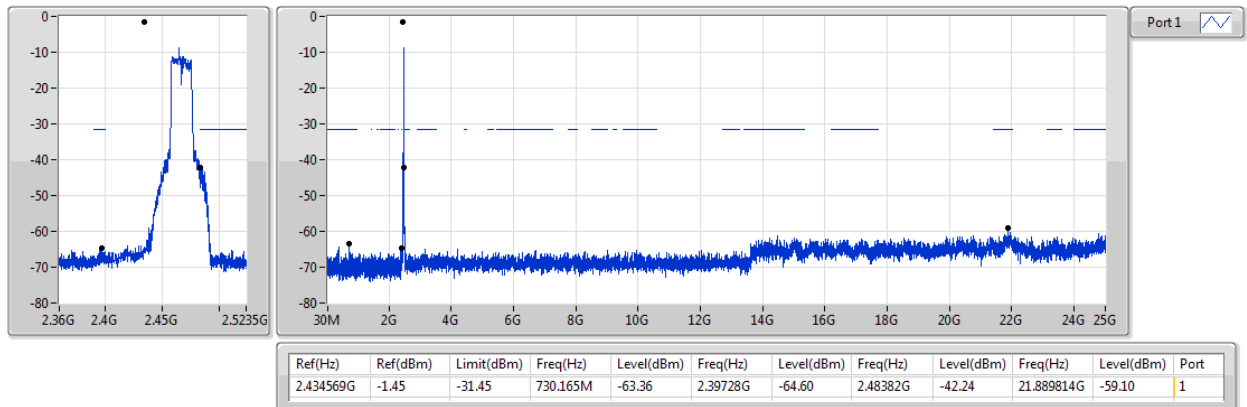
2462MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

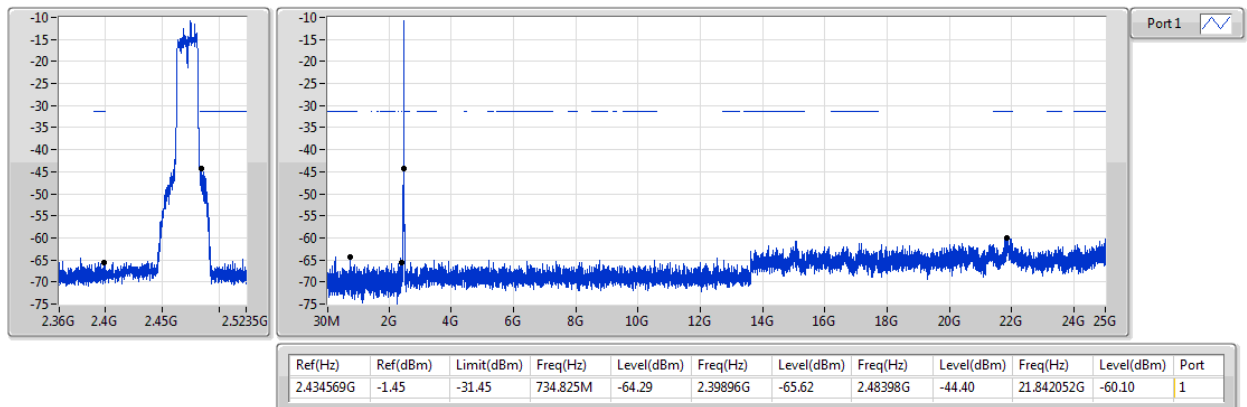
2467MHz



802.11n HT20_Nss1,(MCS0)_1TX

CSE NdB

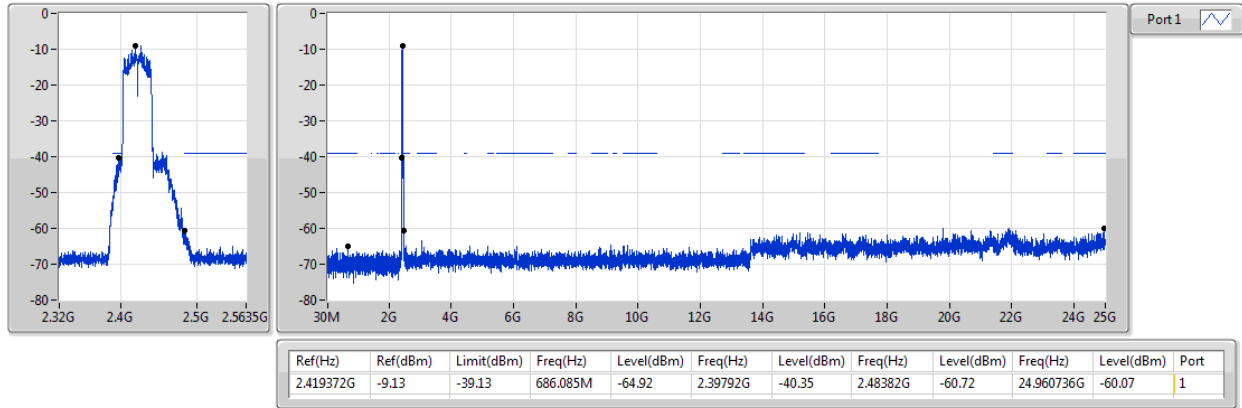
2472MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

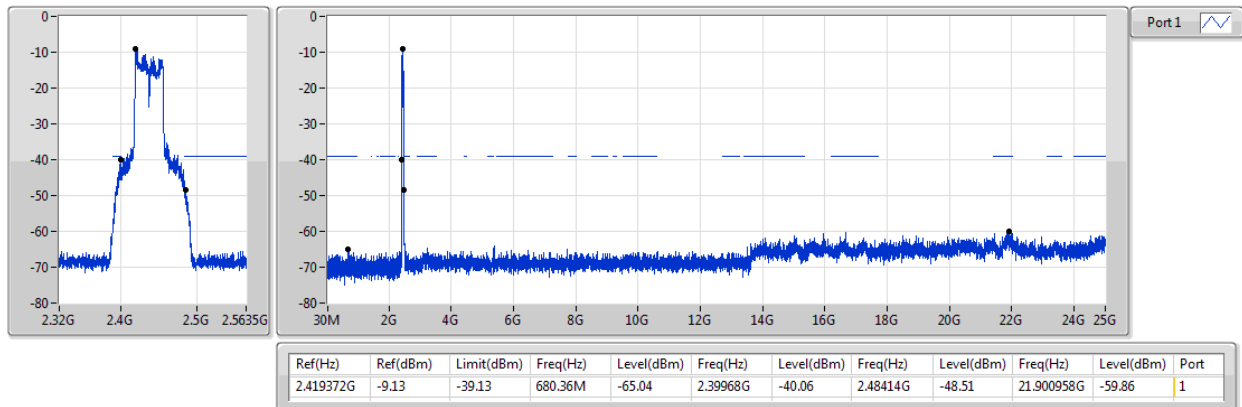
2422MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

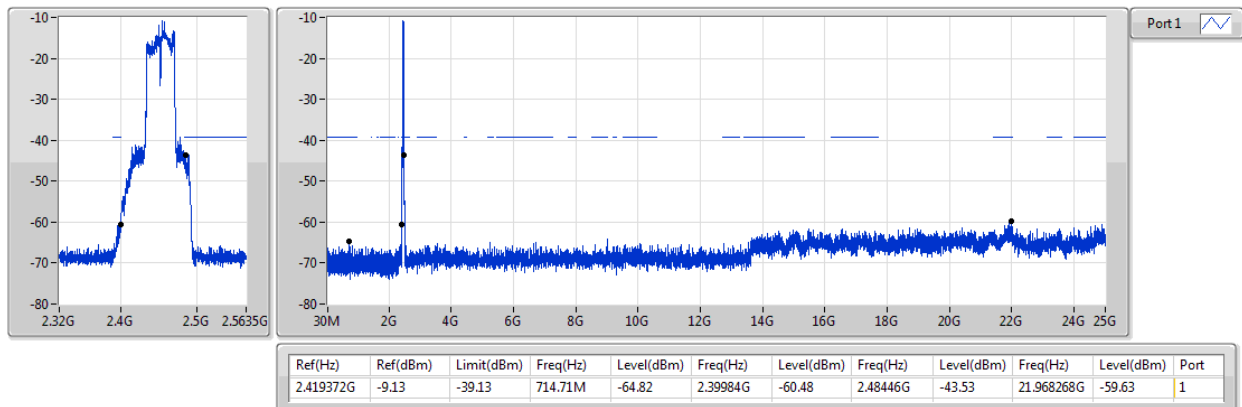
2437MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

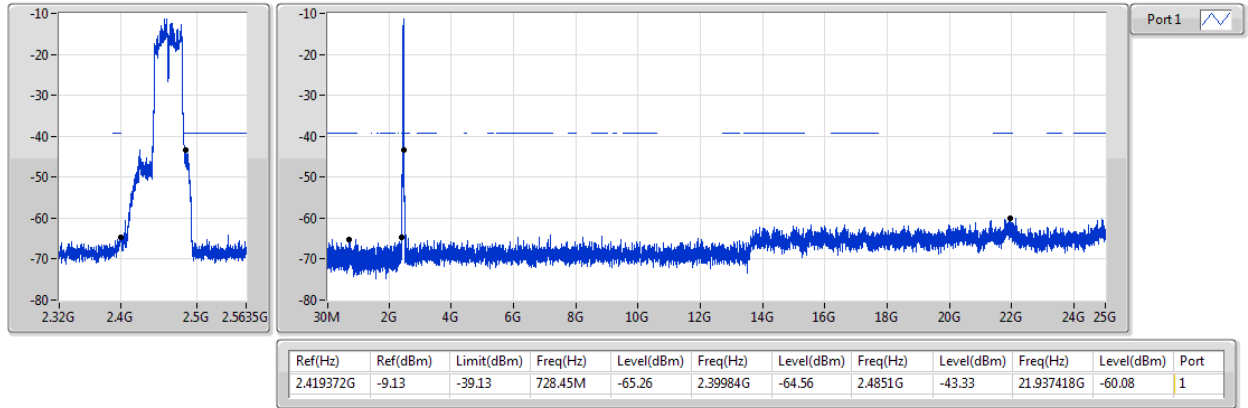
2452MHz



802.11n HT40_Nss1,(MCS0)_1TX

CSE NdB

2462MHz



**Summary**

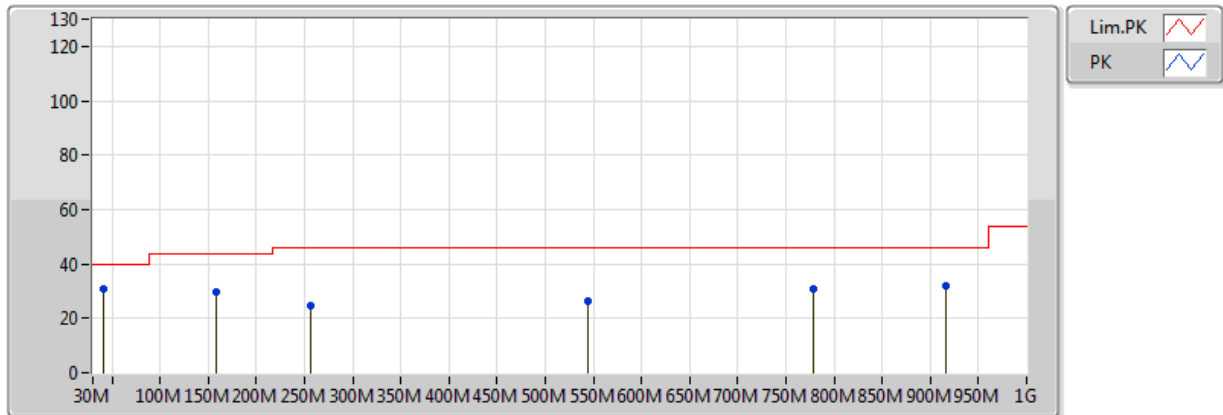
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	41.64M	30.95	40.00	-9.05	-10.02	3	V	0	1.00	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	43.58M	25.41	40.00	-14.59	-11.00	3	H	360	1.00	-
2437MHz	Pass	PK	158.04M	25.28	43.50	-18.22	-10.45	3	H	360	1.00	-
2437MHz	Pass	PK	264.74M	28.71	46.00	-17.29	-6.49	3	H	360	1.00	-
2437MHz	Pass	PK	547.98M	28.37	46.00	-17.63	-0.98	3	H	360	1.00	-
2437MHz	Pass	PK	637.22M	26.82	46.00	-19.18	-0.78	3	H	360	1.00	-
2437MHz	Pass	PK	920.46M	30.55	46.00	-15.45	3.16	3	H	360	1.00	-
2437MHz	Pass	PK	41.64M	30.95	40.00	-9.05	-10.02	3	V	0	1.00	-
2437MHz	Pass	PK	158.04M	29.84	43.50	-13.66	-10.45	3	V	0	1.00	-
2437MHz	Pass	PK	256.98M	24.42	46.00	-21.58	-6.55	3	V	0	1.00	-
2437MHz	Pass	PK	544.1M	26.12	46.00	-19.88	-1.11	3	V	0	1.00	-
2437MHz	Pass	PK	778.84M	30.86	46.00	-15.14	0.96	3	V	0	1.00	-
2437MHz	Pass	PK	916.58M	31.98	46.00	-14.02	3.15	3	V	0	1.00	-
2437MHz	Pass	PK	39.7M	24.16	40.00	-15.84	-9.05	3	H	360	1.00	-
2437MHz	Pass	PK	156.1M	23.32	43.50	-20.18	-10.45	3	H	360	1.00	-
2437MHz	Pass	PK	412.18M	23.86	46.00	-22.14	-3.75	3	H	360	1.00	-
2437MHz	Pass	PK	644.98M	25.87	46.00	-20.13	-0.70	3	H	360	1.00	-
2437MHz	Pass	PK	784.66M	28.32	46.00	-17.68	1.00	3	H	360	1.00	-
2437MHz	Pass	PK	986.42M	30.36	54.00	-23.64	3.71	3	H	360	1.00	-
2437MHz	Pass	PK	37.76M	27.46	40.00	-12.54	-8.08	3	V	0	1.00	-
2437MHz	Pass	PK	159.98M	23.70	43.50	-19.80	-10.45	3	V	0	1.00	-
2437MHz	Pass	PK	264.74M	21.50	46.00	-24.50	-6.49	3	V	0	1.00	-
2437MHz	Pass	PK	584.84M	25.85	46.00	-20.15	-1.11	3	V	0	1.00	-
2437MHz	Pass	PK	709M	26.11	46.00	-19.89	-0.16	3	V	0	1.00	-
2437MHz	Pass	PK	802.12M	28.30	46.00	-17.70	1.15	3	V	0	1.00	-
2437MHz	Pass	PK	43.58M	25.10	40.00	-14.90	-11.00	3	H	360	1.00	-
2437MHz	Pass	PK	158.04M	25.28	43.50	-18.22	-10.45	3	H	360	1.00	-
2437MHz	Pass	PK	256.98M	28.01	46.00	-17.99	-6.55	3	H	360	1.00	-
2437MHz	Pass	PK	429.64M	23.46	46.00	-22.54	-3.42	3	H	360	1.00	-
2437MHz	Pass	PK	842.86M	30.16	46.00	-15.84	2.02	3	H	360	1.00	-
2437MHz	Pass	PK	978.66M	30.97	54.00	-23.03	3.61	3	H	360	1.00	-
2437MHz	Pass	PK	43.58M	24.81	40.00	-15.19	-11.00	3	V	0	1.00	-
2437MHz	Pass	PK	144.46M	24.85	43.50	-18.65	-10.06	3	V	0	1.00	-
2437MHz	Pass	PK	251.16M	27.21	46.00	-18.79	-7.33	3	V	0	1.00	-
2437MHz	Pass	PK	542.16M	28.45	46.00	-17.55	-1.17	3	V	0	1.00	-
2437MHz	Pass	PK	720.64M	29.18	46.00	-16.82	0.11	3	V	0	1.00	-
2437MHz	Pass	PK	854.5M	31.42	46.00	-14.58	2.27	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Media SKU

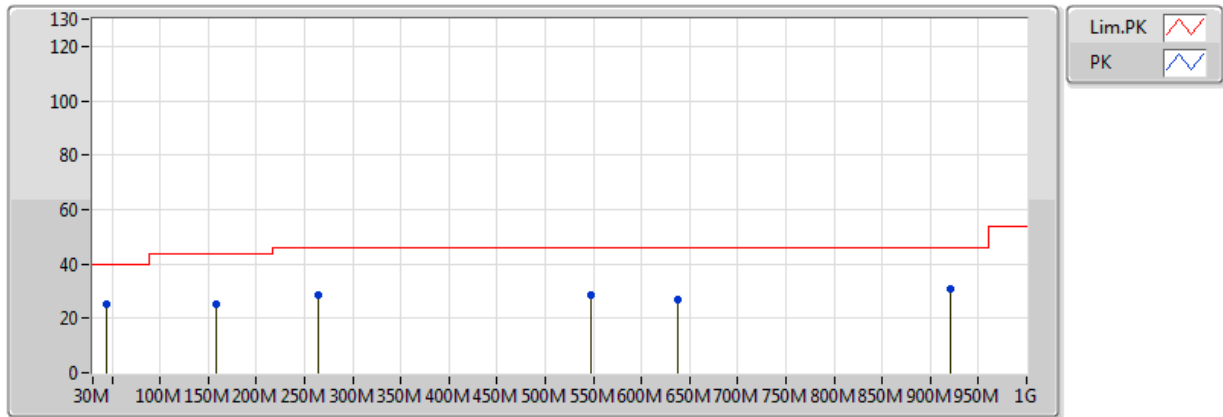


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	41.64M	30.95	40.00	-9.05	-10.02	3	V	0	1.00	-
PK	158.04M	29.84	43.50	-13.66	-10.45	3	V	0	1.00	-
PK	256.98M	24.42	46.00	-21.58	-6.55	3	V	0	1.00	-
PK	778.84M	30.86	46.00	-15.14	0.96	3	V	0	1.00	-
PK	544.1M	26.12	46.00	-19.88	-1.11	3	V	0	1.00	-
PK	916.58M	31.98	46.00	-14.02	3.15	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_Media SKU

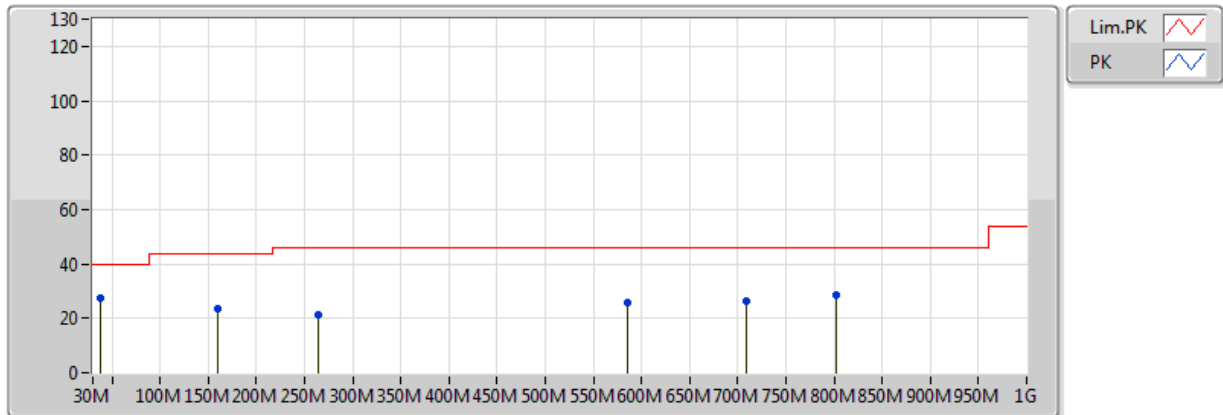


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	43.58M	25.41	40.00	-14.59	-11.00	3	H	360	1.00	-
PK	158.04M	25.28	43.50	-18.22	-10.45	3	H	360	1.00	-
PK	264.74M	28.71	46.00	-17.29	-6.49	3	H	360	1.00	-
PK	547.98M	28.37	46.00	-17.63	-0.98	3	H	360	1.00	-
PK	637.22M	26.82	46.00	-19.18	-0.78	3	H	360	1.00	-
PK	920.46M	30.55	46.00	-15.45	3.16	3	H	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_GPA SKU

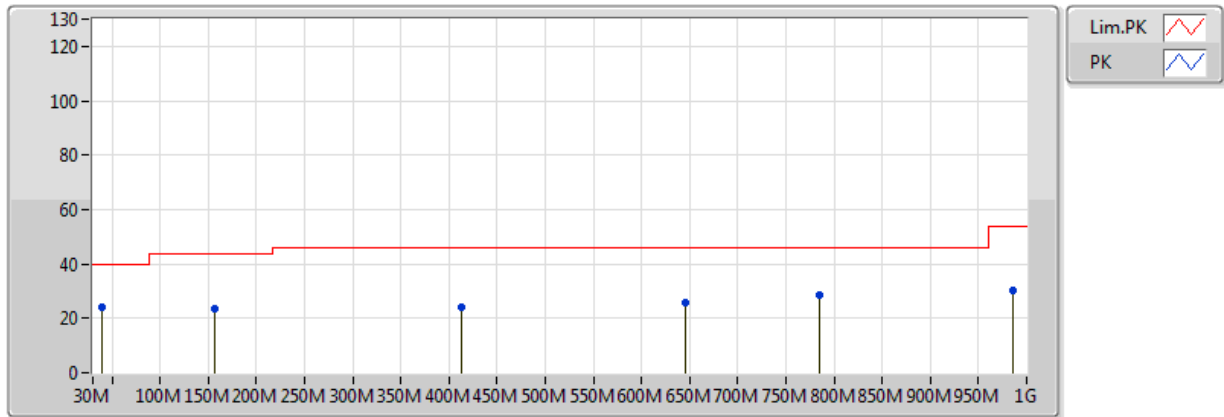


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	37.76M	27.46	40.00	-12.54	-8.08	3	V	0	1.00	-
PK	159.98M	23.70	43.50	-19.80	-10.45	3	V	0	1.00	-
PK	264.74M	21.50	46.00	-24.50	-6.49	3	V	0	1.00	-
PK	584.84M	25.85	46.00	-20.15	-1.11	3	V	0	1.00	-
PK	709M	26.11	46.00	-19.89	-0.16	3	V	0	1.00	-
PK	802.12M	28.30	46.00	-17.70	1.15	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_GPA SKU

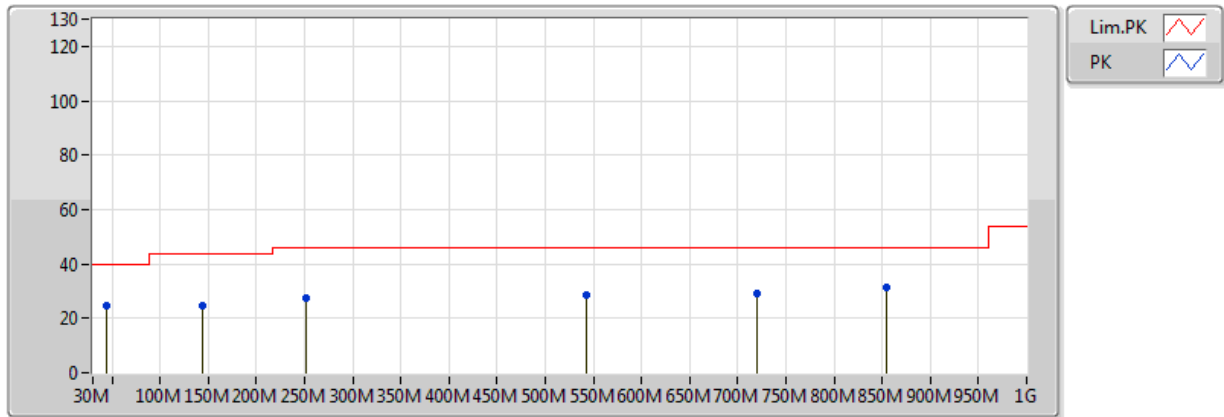


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	39.7M	24.16	40.00	-15.84	-9.05	3	H	360	1.00	-
PK	156.1M	23.32	43.50	-20.18	-10.45	3	H	360	1.00	-
PK	412.18M	23.86	46.00	-22.14	-3.75	3	H	360	1.00	-
PK	644.98M	25.87	46.00	-20.13	-0.70	3	H	360	1.00	-
PK	784.66M	28.32	46.00	-17.68	1.00	3	H	360	1.00	-
PK	986.42M	30.36	54.00	-23.64	3.71	3	H	360	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_BASE SKU

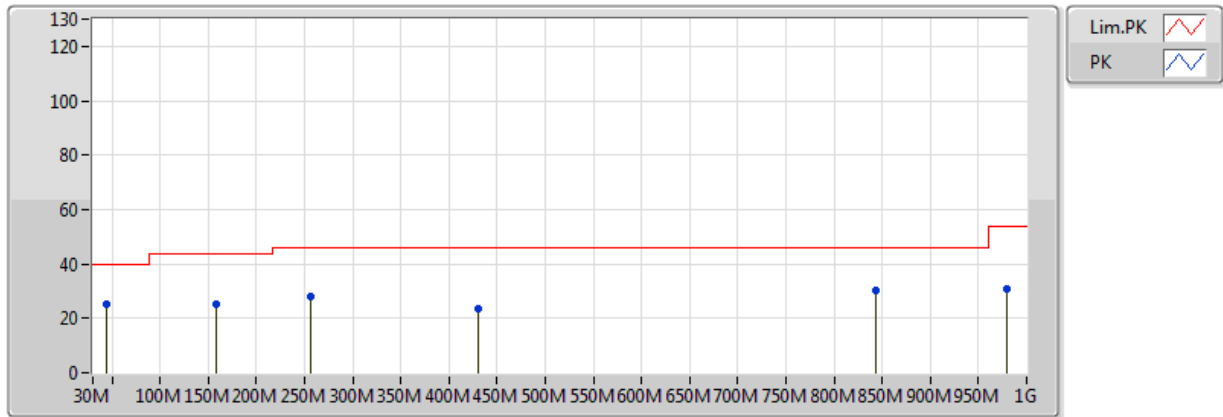


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	43.58M	24.81	40.00	-15.19	-11.00	3	V	0	1.00	-
PK	144.46M	24.85	43.50	-18.65	-10.06	3	V	0	1.00	-
PK	251.16M	27.21	46.00	-18.79	-7.33	3	V	0	1.00	-
PK	542.16M	28.45	46.00	-17.55	-1.17	3	V	0	1.00	-
PK	720.64M	29.18	46.00	-16.82	0.11	3	V	0	1.00	-
PK	854.5M	31.42	46.00	-14.58	2.27	3	V	0	1.00	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_BASE SKU



EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	43.58M	25.10	40.00	-14.90	-11.00	3	H	360	1.00	-
PK	158.04M	25.28	43.50	-18.22	-10.45	3	H	360	1.00	-
PK	256.98M	28.01	46.00	-17.99	-6.55	3	H	360	1.00	-
PK	429.64M	23.46	46.00	-22.54	-3.42	3	H	360	1.00	-
PK	842.86M	30.16	46.00	-15.84	2.02	3	H	360	1.00	-
PK	978.66M	30.97	54.00	-23.03	3.61	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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.4836G	53.66	54.00	-0.34	31.68	3	V	246	2.12	-

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)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	35.45	54.00	-18.55	6.42	3	H	293	1.00	-
2412MHz	Pass	PK	4.824G	45.83	74.00	-28.17	6.42	3	H	293	1.00	-
2412MHz	Pass	AV	2.3896G	47.12	54.00	-6.88	31.37	3	V	240	2.57	-
2412MHz	Pass	AV	2.4102G	97.39	Inf	-Inf	31.43	3	V	240	2.57	-
2412MHz	Pass	AV	4.824G	33.67	54.00	-20.33	6.42	3	V	181	1.50	-
2412MHz	Pass	PK	2.363G	58.46	74.00	-15.54	31.28	3	V	240	2.57	-
2412MHz	Pass	PK	2.4092G	99.85	Inf	-Inf	31.43	3	V	240	2.57	-
2412MHz	Pass	PK	4.824G	45.67	74.00	-28.33	6.42	3	V	181	1.50	-
2437MHz	Pass	AV	4.874G	35.31	54.00	-18.69	6.53	3	H	292	1.08	-
2437MHz	Pass	PK	4.874G	46.10	74.00	-27.90	6.53	3	H	292	1.08	-
2437MHz	Pass	AV	2.3374G	47.22	54.00	-6.78	31.19	3	V	249	2.91	-
2437MHz	Pass	AV	2.4354G	99.82	Inf	-Inf	31.52	3	V	249	2.91	-
2437MHz	Pass	AV	2.4994G	48.12	54.00	-5.88	31.74	3	V	249	2.91	-
2437MHz	Pass	AV	4.874G	34.03	54.00	-19.97	6.53	3	V	359	1.50	-
2437MHz	Pass	PK	2.385G	59.70	74.00	-14.30	31.35	3	V	249	2.91	-
2437MHz	Pass	PK	2.4342G	101.98	Inf	-Inf	31.52	3	V	249	2.91	-
2437MHz	Pass	PK	2.4898G	59.72	74.00	-14.28	31.71	3	V	249	2.91	-
2437MHz	Pass	PK	4.874G	45.96	74.00	-28.04	6.53	3	V	359	1.50	-
2462MHz	Pass	AV	4.924G	34.16	54.00	-19.84	6.65	3	H	293	1.06	-
2462MHz	Pass	PK	4.924G	45.18	74.00	-28.82	6.65	3	H	293	1.06	-
2462MHz	Pass	AV	2.4648G	96.85	Inf	-Inf	31.62	3	V	245	2.52	-
2462MHz	Pass	AV	2.4846G	48.38	54.00	-5.62	31.69	3	V	245	2.52	-
2462MHz	Pass	AV	4.924G	33.71	54.00	-20.29	6.65	3	V	356	1.50	-
2462MHz	Pass	PK	2.4648G	99.31	Inf	-Inf	31.62	3	V	245	2.52	-
2462MHz	Pass	PK	2.4888G	59.35	74.00	-14.65	31.70	3	V	245	2.52	-
2462MHz	Pass	PK	4.924G	45.54	74.00	-28.46	6.65	3	V	356	1.50	-
2467MHz	Pass	AV	4.934G	38.42	54.00	-15.58	6.67	3	H	288	1.01	-
2467MHz	Pass	PK	4.934G	47.47	74.00	-26.53	6.67	3	H	288	1.01	-
2467MHz	Pass	AV	2.4688G	99.93	Inf	-Inf	31.63	3	V	245	2.13	-
2467MHz	Pass	AV	2.483502G	52.70	54.00	-1.30	31.68	3	V	245	2.13	-
2467MHz	Pass	AV	4.934G	37.22	54.00	-16.78	6.67	3	V	360	1.10	-
2467MHz	Pass	PK	2.4698G	102.21	Inf	-Inf	31.64	3	V	245	2.13	-
2467MHz	Pass	PK	2.483502G	62.15	74.00	-11.85	31.68	3	V	245	2.13	-
2467MHz	Pass	PK	4.934G	46.66	74.00	-27.34	6.67	3	V	360	1.10	-
2472MHz	Pass	AV	4.944G	33.85	54.00	-20.15	6.69	3	H	282	1.55	-
2472MHz	Pass	PK	4.944G	46.01	74.00	-27.99	6.69	3	H	282	1.55	-
2472MHz	Pass	AV	2.4702G	93.97	Inf	-Inf	31.64	3	V	289	2.43	-
2472MHz	Pass	AV	2.483502G	53.19	54.00	-0.81	31.68	3	V	289	2.43	-
2472MHz	Pass	AV	4.944G	34.01	54.00	-19.99	6.69	3	V	360	1.17	-
2472MHz	Pass	PK	2.4692G	96.21	Inf	-Inf	31.64	3	V	289	2.43	-
2472MHz	Pass	PK	2.4848G	61.54	74.00	-12.46	31.69	3	V	289	2.43	-
2472MHz	Pass	PK	4.944G	46.17	74.00	-27.83	6.69	3	V	360	1.17	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	33.90	54.00	-20.10	6.42	3	H	331	2.10	-
2412MHz	Pass	PK	4.824G	45.80	74.00	-28.20	6.42	3	H	331	2.10	-
2412MHz	Pass	AV	2.3898G	47.12	54.00	-6.88	31.37	3	V	240	2.57	-
2412MHz	Pass	AV	2.41G	87.97	Inf	-Inf	31.43	3	V	240	2.57	-

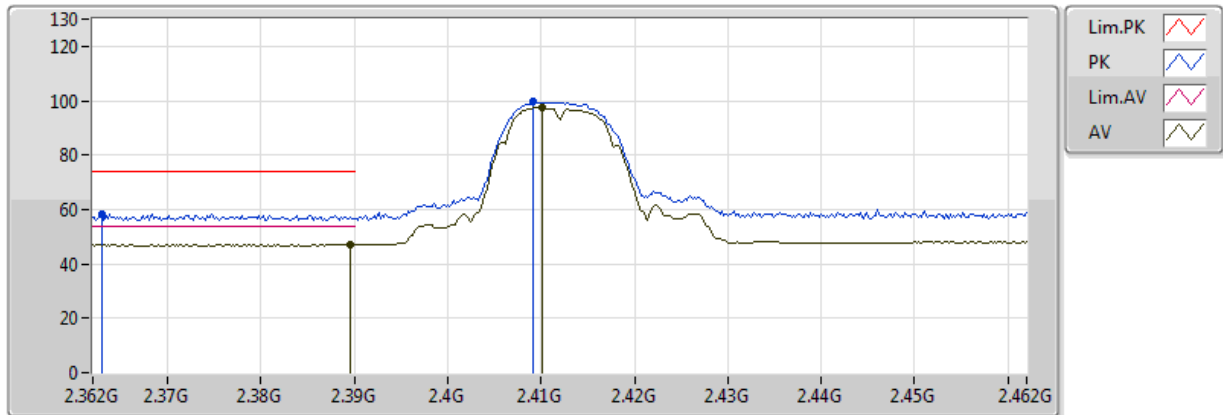
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	4.824G	33.79	54.00	-20.21	6.42	3	V	152	1.63	-
2412MHz	Pass	PK	2.375G	59.37	74.00	-14.63	31.32	3	V	240	2.57	-
2412MHz	Pass	PK	2.4124G	96.64	Inf	-Inf	31.44	3	V	240	2.57	-
2412MHz	Pass	PK	4.824G	45.12	74.00	-28.88	6.42	3	V	152	1.63	-
2437MHz	Pass	AV	4.874G	33.47	54.00	-20.53	6.53	3	H	255	1.43	-
2437MHz	Pass	PK	4.874G	46.12	74.00	-27.88	6.53	3	H	255	1.43	-
2437MHz	Pass	AV	2.337G	47.23	54.00	-6.77	31.19	3	V	245	2.13	-
2437MHz	Pass	AV	2.4386G	97.71	Inf	-Inf	31.53	3	V	245	2.13	-
2437MHz	Pass	AV	2.4858G	48.66	54.00	-5.34	31.69	3	V	245	2.13	-
2437MHz	Pass	AV	4.874G	34.04	54.00	-19.96	6.53	3	V	205	1.07	-
2437MHz	Pass	PK	2.3886G	58.36	74.00	-15.64	31.36	3	V	245	2.13	-
2437MHz	Pass	PK	2.4378G	106.71	Inf	-Inf	31.53	3	V	245	2.13	-
2437MHz	Pass	PK	2.483502G	63.93	74.00	-10.07	31.68	3	V	245	2.13	-
2437MHz	Pass	PK	4.874G	45.66	74.00	-28.34	6.53	3	V	205	1.07	-
2462MHz	Pass	AV	4.924G	34.27	54.00	-19.73	6.65	3	H	288	1.28	-
2462MHz	Pass	PK	4.924G	45.51	74.00	-28.49	6.65	3	H	288	1.28	-
2462MHz	Pass	AV	2.4664G	87.70	Inf	-Inf	31.63	3	V	236	2.85	-
2462MHz	Pass	AV	2.4838G	48.92	54.00	-5.08	31.68	3	V	236	2.85	-
2462MHz	Pass	AV	4.924G	33.71	54.00	-20.29	6.65	3	V	358	1.50	-
2462MHz	Pass	PK	2.4628G	96.45	Inf	-Inf	31.61	3	V	236	2.85	-
2462MHz	Pass	PK	2.483502G	60.27	74.00	-13.73	31.68	3	V	236	2.85	-
2462MHz	Pass	PK	4.924G	45.35	74.00	-28.65	6.65	3	V	358	1.50	-
2467MHz	Pass	AV	4.934G	33.54	54.00	-20.46	6.67	3	H	231	1.77	-
2467MHz	Pass	PK	4.934G	45.59	74.00	-28.41	6.67	3	H	231	1.77	-
2467MHz	Pass	AV	2.4686G	91.05	Inf	-Inf	31.63	3	V	246	2.12	-
2467MHz	Pass	AV	2.4836G	53.66	54.00	-0.34	31.68	3	V	246	2.12	-
2467MHz	Pass	AV	4.934G	33.66	54.00	-20.34	6.67	3	V	104	2.25	-
2467MHz	Pass	PK	2.4676G	99.99	Inf	-Inf	31.63	3	V	246	2.12	-
2467MHz	Pass	PK	2.4852G	68.71	74.00	-5.29	31.69	3	V	246	2.12	-
2467MHz	Pass	PK	4.934G	45.87	74.00	-28.13	6.67	3	V	104	2.25	-
2472MHz	Pass	AV	2.4708G	87.36	Inf	-Inf	31.64	3	V	281	2.46	-
2472MHz	Pass	AV	2.484G	53.36	54.00	-0.64	31.69	3	V	281	2.46	-
2472MHz	Pass	PK	2.4722G	96.38	Inf	-Inf	31.65	3	V	281	2.46	-
2472MHz	Pass	PK	2.485G	68.99	74.00	-5.01	31.69	3	V	281	2.46	-
2472MHz	Pass	AV	4.944G	33.98	54.00	-20.02	6.69	3	H	297	1.55	-
2472MHz	Pass	PK	4.944G	45.57	74.00	-28.43	6.69	3	H	297	1.55	-
2472MHz	Pass	AV	4.944G	33.97	54.00	-20.03	6.69	3	V	338	1.58	-
2472MHz	Pass	PK	4.944G	46.82	74.00	-27.18	6.69	3	V	338	1.58	-
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	4.824G	33.08	54.00	-20.92	6.41	3	H	126	1.63	-
2412MHz	Pass	PK	4.824G	45.46	74.00	-28.54	6.42	3	H	126	1.63	-
2412MHz	Pass	AV	2.39G	47.12	54.00	-6.88	31.37	3	V	238	2.57	-
2412MHz	Pass	AV	2.4096G	86.70	Inf	-Inf	31.43	3	V	238	2.57	-
2412MHz	Pass	AV	4.824G	33.07	54.00	-20.93	6.42	3	V	69	1.58	-
2412MHz	Pass	PK	2.3686G	59.03	74.00	-14.97	31.30	3	V	238	2.57	-
2412MHz	Pass	PK	2.41G	96.26	Inf	-Inf	31.43	3	V	238	2.57	-
2412MHz	Pass	PK	4.824G	45.17	74.00	-28.83	6.42	3	V	69	1.58	-
2437MHz	Pass	AV	4.874G	33.58	54.00	-20.42	6.53	3	H	34	1.63	-
2437MHz	Pass	PK	4.874G	45.44	74.00	-28.56	6.53	3	H	34	1.63	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.337G	47.23	54.00	-6.77	31.19	3	V	234	2.09	-
2437MHz	Pass	AV	2.4354G	95.94	Inf	-Inf	31.52	3	V	234	2.09	-
2437MHz	Pass	AV	2.4858G	48.38	54.00	-5.62	31.69	3	V	234	2.09	-
2437MHz	Pass	AV	4.874G	33.48	54.00	-20.52	6.53	3	V	62	1.98	-
2437MHz	Pass	PK	2.363G	58.31	74.00	-15.69	31.28	3	V	234	2.09	-
2437MHz	Pass	PK	2.437G	106.77	Inf	-Inf	31.53	3	V	234	2.09	-
2437MHz	Pass	PK	2.4854G	64.90	74.00	-9.10	31.69	3	V	234	2.09	-
2437MHz	Pass	PK	4.874G	45.36	74.00	-28.64	6.53	3	V	62	1.98	-
2462MHz	Pass	AV	4.924G	33.21	54.00	-20.79	6.65	3	H	83	1.72	-
2462MHz	Pass	PK	4.924G	45.75	74.00	-28.25	6.65	3	H	83	1.72	-
2462MHz	Pass	AV	2.4664G	86.46	Inf	-Inf	31.63	3	V	246	2.11	-
2462MHz	Pass	AV	2.484G	48.92	54.00	-5.08	31.69	3	V	246	2.11	-
2462MHz	Pass	AV	4.924G	33.21	54.00	-20.79	6.65	3	V	285	1.85	-
2462MHz	Pass	PK	2.467G	95.84	Inf	-Inf	31.63	3	V	246	2.11	-
2462MHz	Pass	PK	2.4838G	60.14	74.00	-13.86	31.68	3	V	246	2.11	-
2462MHz	Pass	PK	4.924G	44.90	74.00	-29.10	6.65	3	V	285	1.85	-
2467MHz	Pass	AV	4.934G	34.04	54.00	-19.96	6.67	3	H	270	1.55	-
2467MHz	Pass	PK	4.934G	45.35	74.00	-28.65	6.67	3	H	270	1.55	-
2467MHz	Pass	AV	2.4688G	89.64	Inf	-Inf	31.63	3	V	245	2.13	-
2467MHz	Pass	AV	2.4838G	52.87	54.00	-1.13	31.68	3	V	245	2.13	-
2467MHz	Pass	AV	4.934G	34.24	54.00	-19.76	6.69	3	V	122	1.93	-
2467MHz	Pass	PK	2.4702G	98.91	Inf	-Inf	31.64	3	V	245	2.13	-
2467MHz	Pass	PK	2.4846G	66.76	74.00	-7.24	31.69	3	V	245	2.13	-
2467MHz	Pass	PK	4.934G	45.57	74.00	-28.43	6.67	3	V	122	1.93	-
2472MHz	Pass	AV	2.4704G	86.57	Inf	-Inf	31.64	3	V	293	2.95	-
2472MHz	Pass	AV	2.483502G	53.19	54.00	-0.81	31.68	3	V	293	2.95	-
2472MHz	Pass	PK	2.4688G	95.93	Inf	-Inf	31.63	3	V	293	2.95	-
2472MHz	Pass	PK	2.485G	67.07	74.00	-6.93	31.69	3	V	293	2.95	-
2472MHz	Pass	AV	4.944G	34.17	54.00	-19.83	6.69	3	H	304	2.43	-
2472MHz	Pass	PK	4.944G	46.30	74.00	-27.70	6.69	3	H	304	2.43	-
2472MHz	Pass	AV	4.944G	34.83	54.00	-19.17	6.69	3	V	37	1.12	-
2472MHz	Pass	PK	4.944G	46.63	74.00	-27.37	6.69	3	V	37	1.12	-
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	4.844G	33.81	54.00	-20.19	6.46	3	H	103	2.02	-
2422MHz	Pass	PK	4.844G	46.17	74.00	-27.83	6.46	3	H	103	2.02	-
2422MHz	Pass	AV	2.3228G	47.28	54.00	-6.72	31.15	3	V	249	2.91	-
2422MHz	Pass	AV	2.4392G	82.32	Inf	-Inf	31.53	3	V	249	2.91	-
2422MHz	Pass	AV	2.4988G	48.12	54.00	-5.88	31.74	3	V	249	2.91	-
2422MHz	Pass	AV	4.844G	33.82	54.00	-20.18	6.47	3	V	104	2.26	-
2422MHz	Pass	PK	2.3708G	58.82	74.00	-15.18	31.30	3	V	249	2.91	-
2422MHz	Pass	PK	2.434G	92.49	Inf	-Inf	31.52	3	V	249	2.91	-
2422MHz	Pass	PK	2.4876G	59.27	74.00	-14.73	31.70	3	V	249	2.91	-
2422MHz	Pass	PK	4.844G	45.26	74.00	-28.74	6.48	3	V	104	2.26	-
2437MHz	Pass	AV	4.874G	33.48	54.00	-20.52	6.53	3	H	97	1.50	-
2437MHz	Pass	PK	4.874G	46.31	74.00	-27.69	6.53	3	H	97	1.50	-
2437MHz	Pass	AV	2.389998G	47.95	54.00	-6.05	31.37	3	V	235	2.60	-
2437MHz	Pass	AV	2.4386G	88.47	Inf	-Inf	31.53	3	V	235	2.60	-
2437MHz	Pass	AV	2.483502G	53.35	54.00	-0.65	31.68	3	V	235	2.60	-
2437MHz	Pass	AV	4.874G	33.55	54.00	-20.45	6.53	3	V	84	1.09	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3894G	59.50	74.00	-14.50	31.37	3	V	235	2.60	-
2437MHz	Pass	PK	2.4354G	98.27	Inf	-Inf	31.52	3	V	235	2.60	-
2437MHz	Pass	PK	2.4842G	66.88	74.00	-7.12	31.69	3	V	235	2.60	-
2437MHz	Pass	PK	4.874G	45.72	74.00	-28.28	6.53	3	V	84	1.09	-
2452MHz	Pass	AV	4.904G	33.17	54.00	-20.83	6.60	3	H	233	1.40	-
2452MHz	Pass	PK	4.904G	45.00	74.00	-29.00	6.60	3	H	233	1.40	-
2452MHz	Pass	AV	2.39G	47.13	54.00	-6.87	31.37	3	V	249	2.86	-
2452MHz	Pass	AV	2.4692G	84.92	Inf	-Inf	31.64	3	V	249	2.86	-
2452MHz	Pass	AV	2.484G	52.70	54.00	-1.30	31.69	3	V	249	2.86	-
2452MHz	Pass	AV	4.904G	33.14	54.00	-20.86	6.60	3	V	61	1.90	-
2452MHz	Pass	PK	2.3892G	58.59	74.00	-15.41	31.36	3	V	249	2.86	-
2452MHz	Pass	PK	2.468G	94.68	Inf	-Inf	31.63	3	V	249	2.86	-
2452MHz	Pass	PK	2.4844G	67.20	74.00	-6.80	31.69	3	V	249	2.86	-
2452MHz	Pass	PK	4.904G	45.90	74.00	-28.10	6.60	3	V	61	1.90	-
2462MHz	Pass	AV	4.924G	33.47	54.00	-20.53	6.65	3	H	231	1.16	-
2462MHz	Pass	PK	4.924G	44.94	74.00	-29.06	6.65	3	H	231	1.16	-
2462MHz	Pass	AV	2.39G	47.13	54.00	-6.87	31.37	3	V	248	2.11	-
2462MHz	Pass	AV	2.4684G	85.29	Inf	-Inf	31.63	3	V	248	2.11	-
2462MHz	Pass	AV	2.4848G	53.20	54.00	-0.80	31.69	3	V	248	2.11	-
2462MHz	Pass	AV	4.924G	33.47	54.00	-20.53	6.65	3	V	210	1.77	-
2462MHz	Pass	PK	2.378G	58.38	74.00	-15.62	31.33	3	V	248	2.11	-
2462MHz	Pass	PK	2.468G	94.43	Inf	-Inf	31.63	3	V	248	2.11	-
2462MHz	Pass	PK	2.4848G	64.90	74.00	-9.10	31.69	3	V	248	2.11	-
2462MHz	Pass	PK	4.924G	46.22	74.00	-27.78	6.65	3	V	210	1.77	-

802.11b_(1Mbps)_1TX

2412MHz_TX

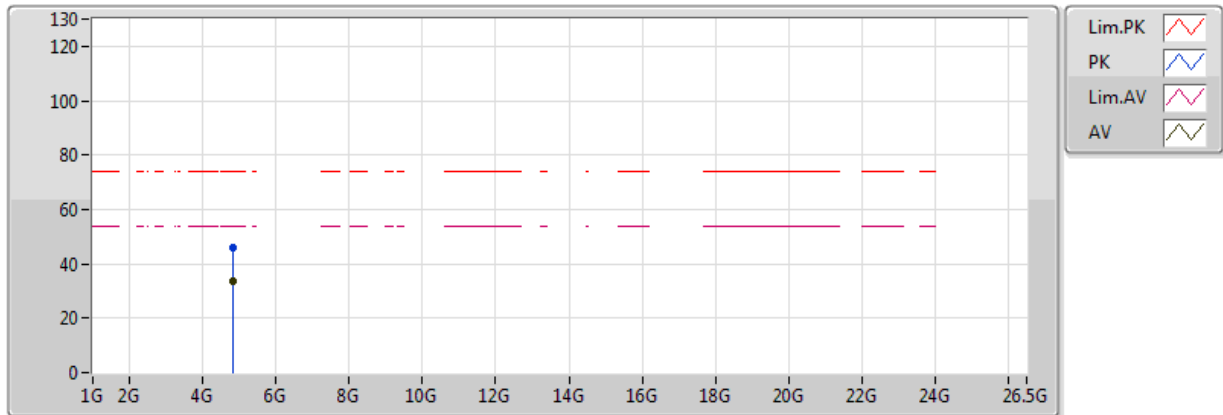


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	47.12	54.00	-6.88	31.37	3	V	240	2.57	-
AV	2.4102G	97.39	Inf	-Inf	31.43	3	V	240	2.57	-
PK	2.363G	58.46	74.00	-15.54	31.28	3	V	240	2.57	-
PK	2.4092G	99.85	Inf	-Inf	31.43	3	V	240	2.57	-

802.11b_(1Mbps)_1TX

2412MHz_TX

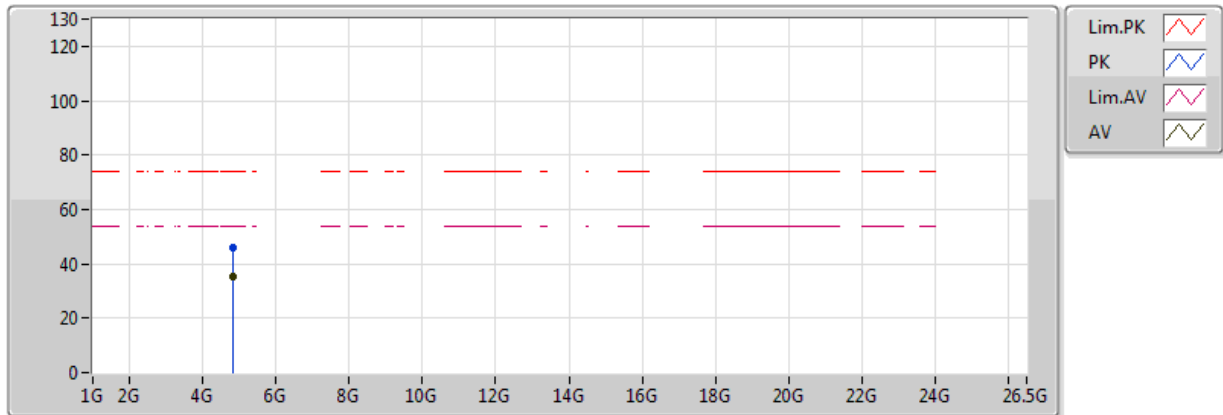


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	33.67	54.00	-20.33	6.42	3	V	181	1.50	-
PK	4.824G	45.67	74.00	-28.33	6.42	3	V	181	1.50	-

802.11b_(1Mbps)_1TX

2412MHz_TX

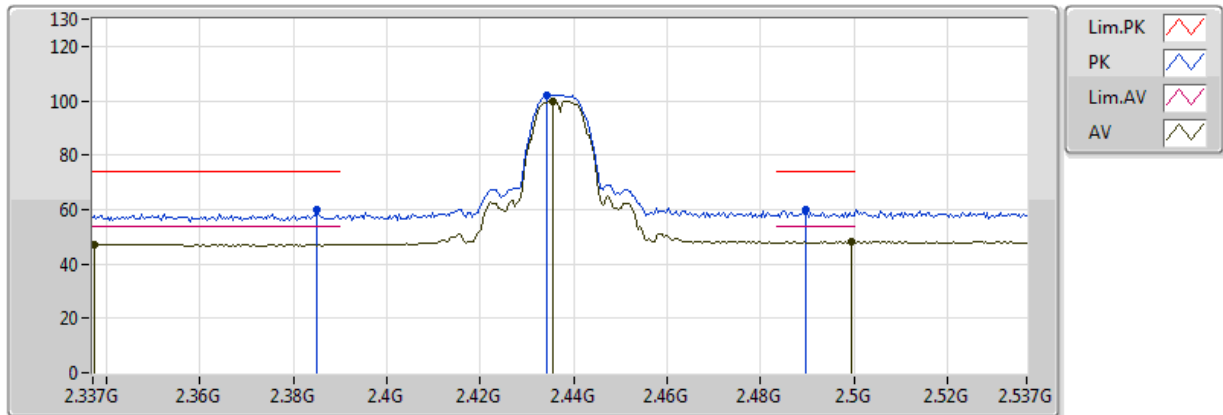


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	35.45	54.00	-18.55	6.42	3	H	293	1.00	-
PK	4.824G	45.83	74.00	-28.17	6.42	3	H	293	1.00	-

802.11b_(1Mbps)_1TX

2437MHz_TX

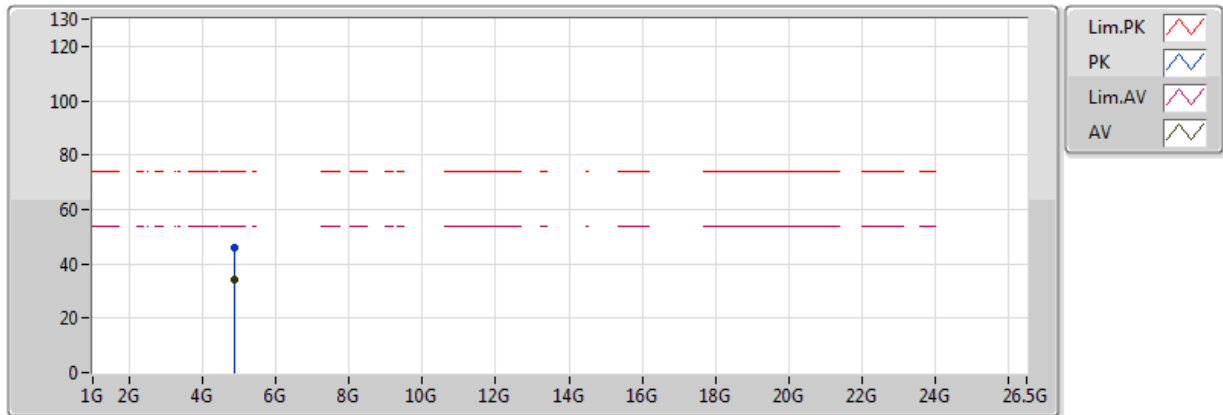


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3374G	47.22	54.00	-6.78	31.19	3	V	249	2.91	-
AV	2.4354G	99.82	Inf	-Inf	31.52	3	V	249	2.91	-
AV	2.4994G	48.12	54.00	-5.88	31.74	3	V	249	2.91	-
PK	2.385G	59.70	74.00	-14.30	31.35	3	V	249	2.91	-
PK	2.4342G	101.98	Inf	-Inf	31.52	3	V	249	2.91	-
PK	2.4898G	59.72	74.00	-14.28	31.71	3	V	249	2.91	-

802.11b_(1Mbps)_1TX

2437MHz_TX

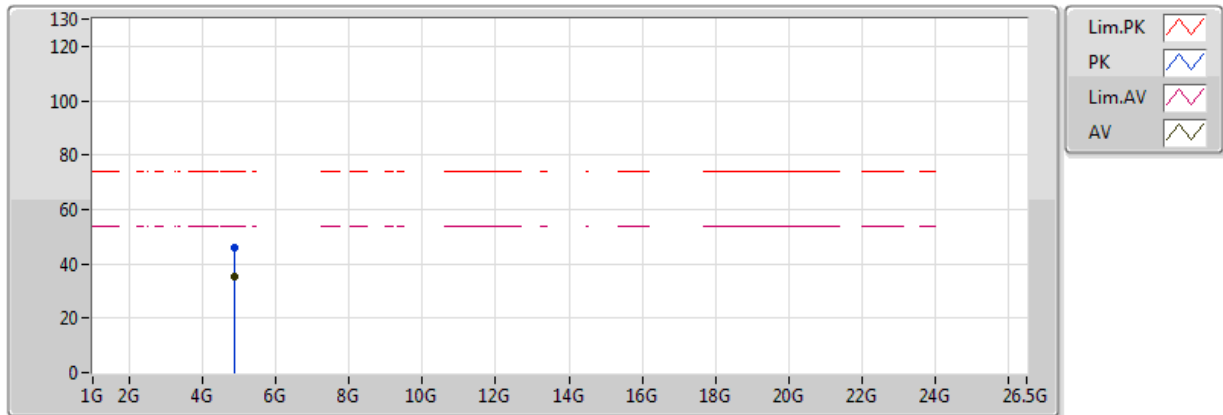


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	34.03	54.00	-19.97	6.53	3	V	359	1.50	-
PK	4.874G	45.96	74.00	-28.04	6.53	3	V	359	1.50	-

802.11b_(1Mbps)_1TX

2437MHz_TX

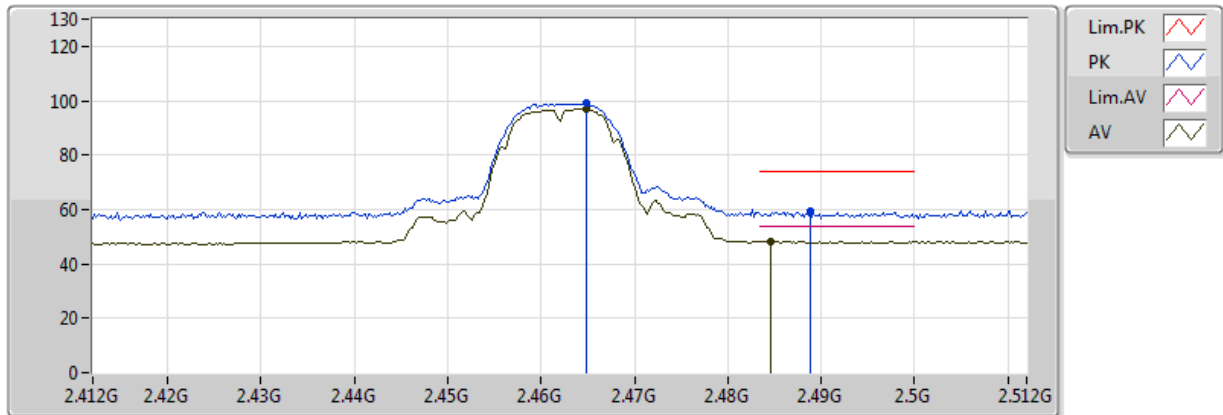


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	35.31	54.00	-18.69	6.53	3	H	292	1.08	-
PK	4.874G	46.10	74.00	-27.90	6.53	3	H	292	1.08	-

802.11b_(1Mbps)_1TX

2462MHz_TX

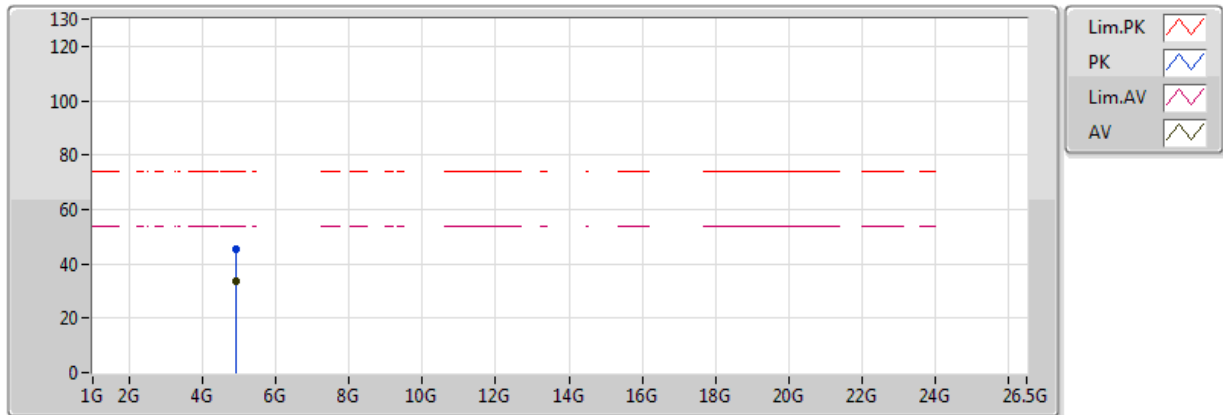


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.4648G	99.31	Inf	-Inf	31.62	3	V	245	2.52	-
PK	2.4888G	59.35	74.00	-14.65	31.70	3	V	245	2.52	-
AV	2.4648G	96.85	Inf	-Inf	31.62	3	V	245	2.52	-
AV	2.4846G	48.38	54.00	-5.62	31.69	3	V	245	2.52	-

802.11b_(1Mbps)_1TX

2462MHz_TX

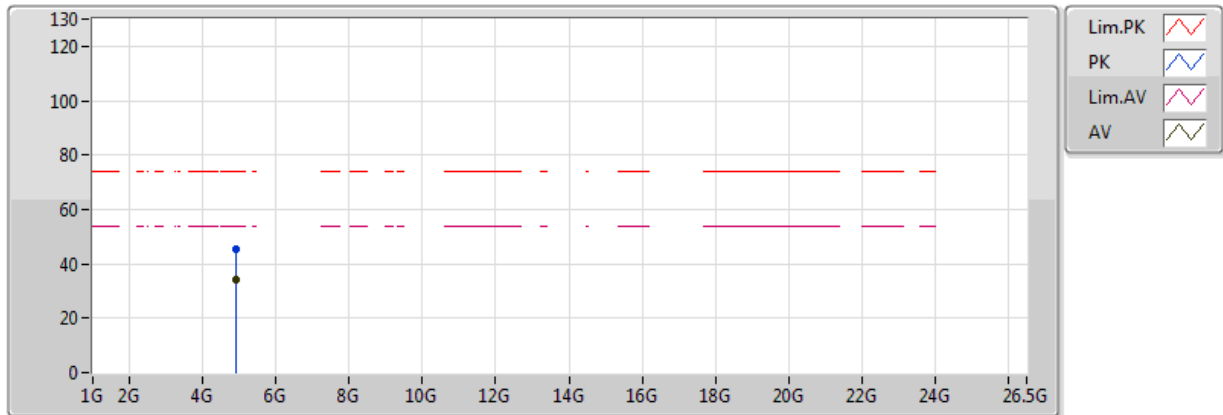


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.71	54.00	-20.29	6.65	3	V	356	1.50	-
PK	4.924G	45.54	74.00	-28.46	6.65	3	V	356	1.50	-

802.11b_(1Mbps)_1TX

2462MHz_TX

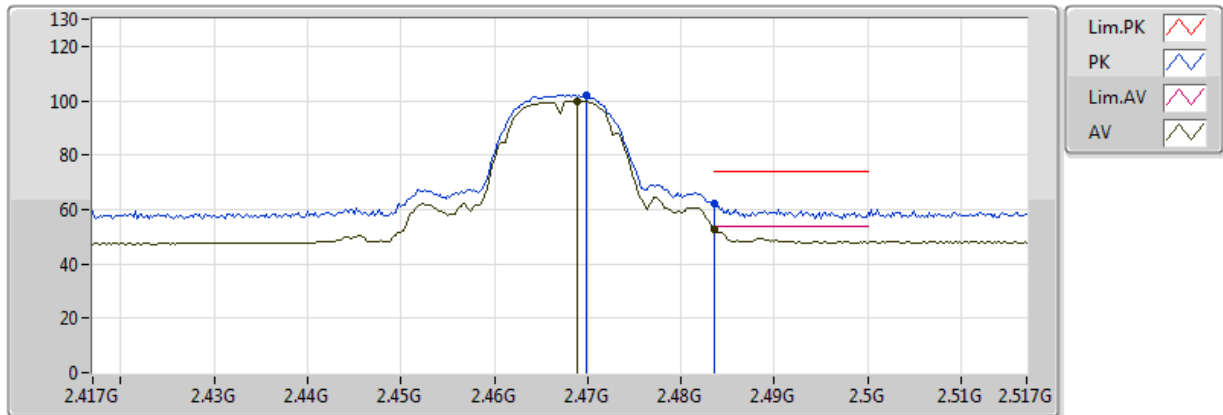


EUT=Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	34.16	54.00	-19.84	6.65	3	H	293	1.06	-
PK	4.924G	45.18	74.00	-28.82	6.65	3	H	293	1.06	-

802.11b_(1Mbps)_1TX

2467MHz_TX

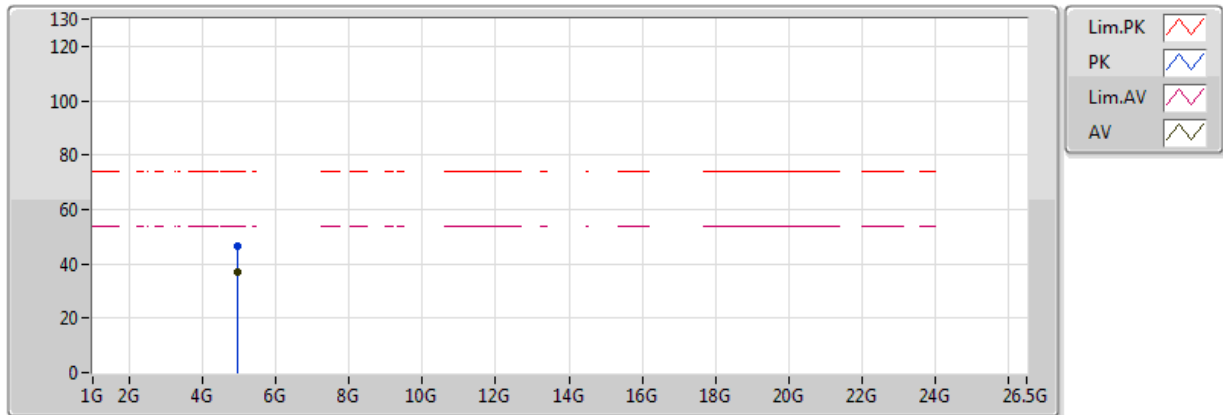


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4688G	99.93	Inf	-Inf	31.63	3	V	245	2.13	-
AV	2.483502G	52.70	54.00	-1.30	31.68	3	V	245	2.13	-
PK	2.4698G	102.21	Inf	-Inf	31.64	3	V	245	2.13	-
PK	2.483502G	62.15	74.00	-11.85	31.68	3	V	245	2.13	-

802.11b_(1Mbps)_1TX

2467MHz_TX

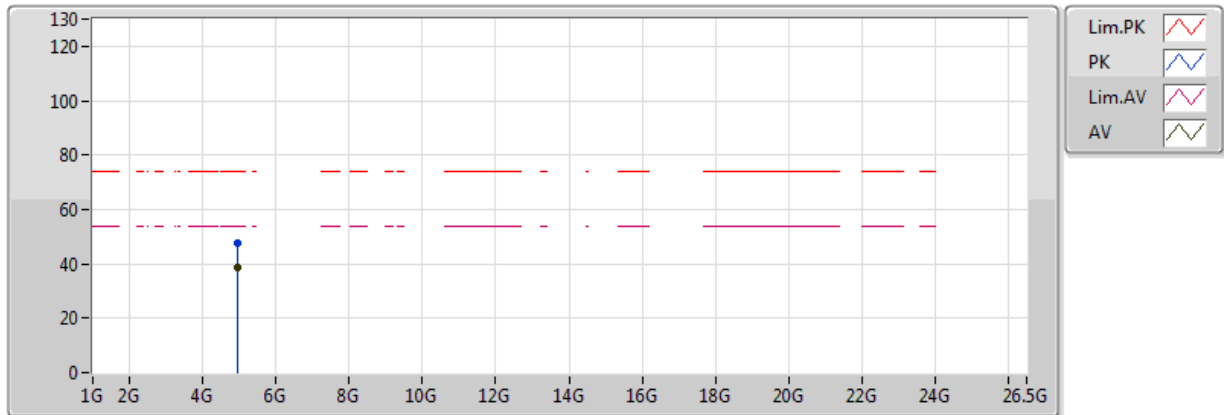


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	37.22	54.00	-16.78	6.67	3	V	360	1.10	-
PK	4.934G	46.66	74.00	-27.34	6.67	3	V	360	1.10	-

802.11b_(1Mbps)_1TX

2467MHz_TX

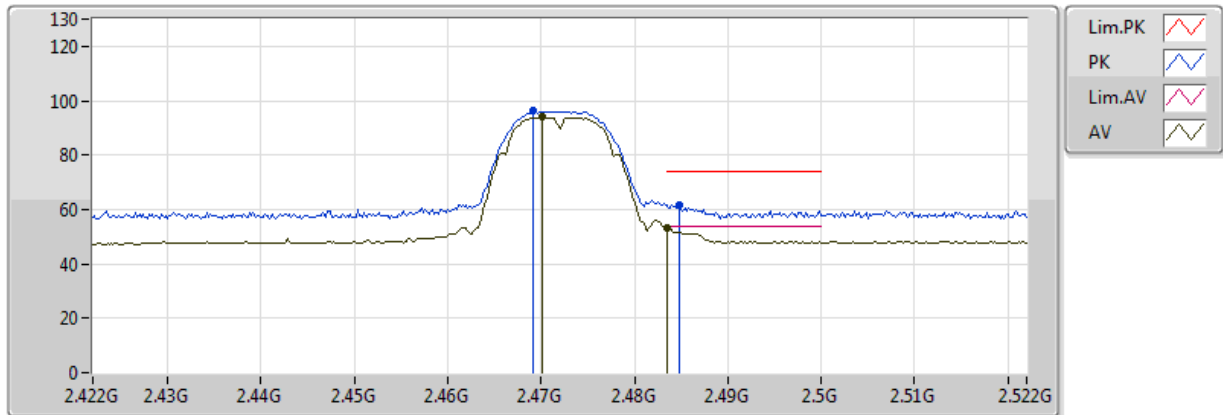


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	38.42	54.00	-15.58	6.67	3	H	288	1.01	-
PK	4.934G	47.47	74.00	-26.53	6.67	3	H	288	1.01	-

802.11b_(1Mbps)_1TX

2472MHz_TX

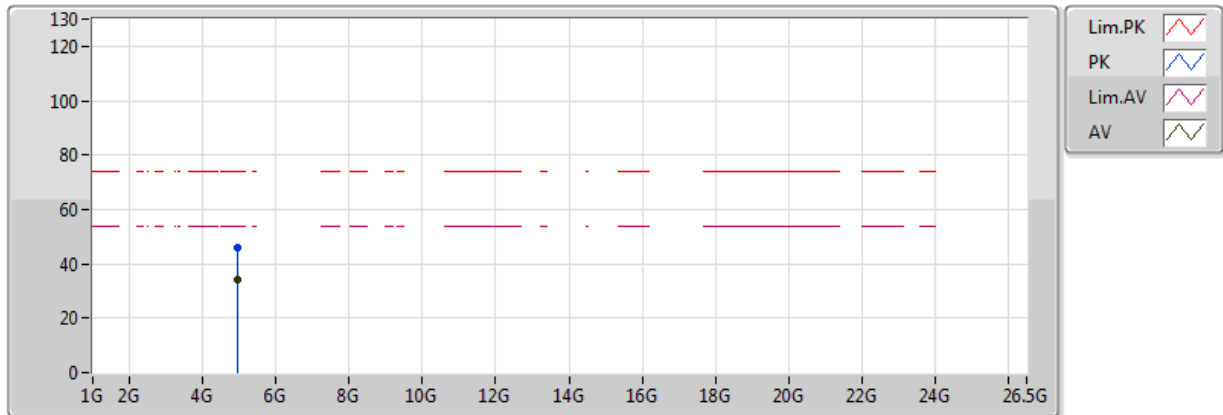


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4702G	93.97	Inf	-Inf	31.64	3	V	289	2.43	-
AV	2.483502G	53.19	54.00	-0.81	31.68	3	V	289	2.43	-
PK	2.4692G	96.21	Inf	-Inf	31.64	3	V	289	2.43	-
PK	2.4848G	61.54	74.00	-12.46	31.69	3	V	289	2.43	-

802.11b_(1Mbps)_1TX

2472MHz_TX

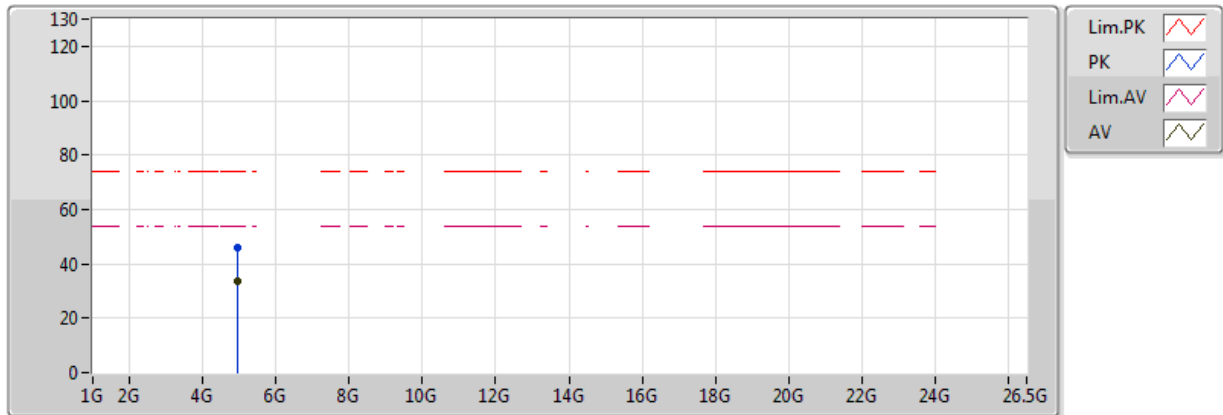


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	34.01	54.00	-19.99	6.69	3	V	360	1.17	-
PK	4.944G	46.17	74.00	-27.83	6.69	3	V	360	1.17	-

802.11b_(1Mbps)_1TX

2472MHz_TX

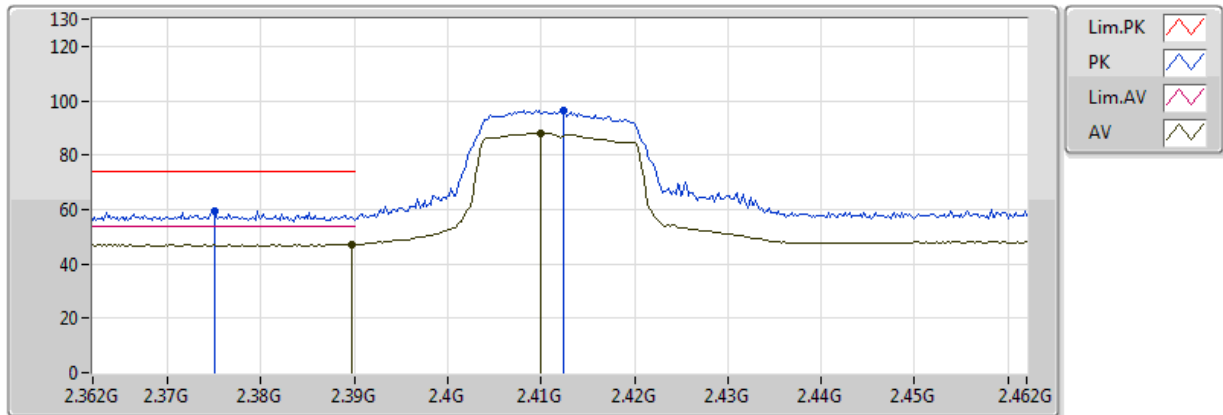


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	33.85	54.00	-20.15	6.69	3	H	282	1.55	-
PK	4.944G	46.01	74.00	-27.99	6.69	3	H	282	1.55	-

802.11g_(6Mbps)_1TX

2412MHz_TX

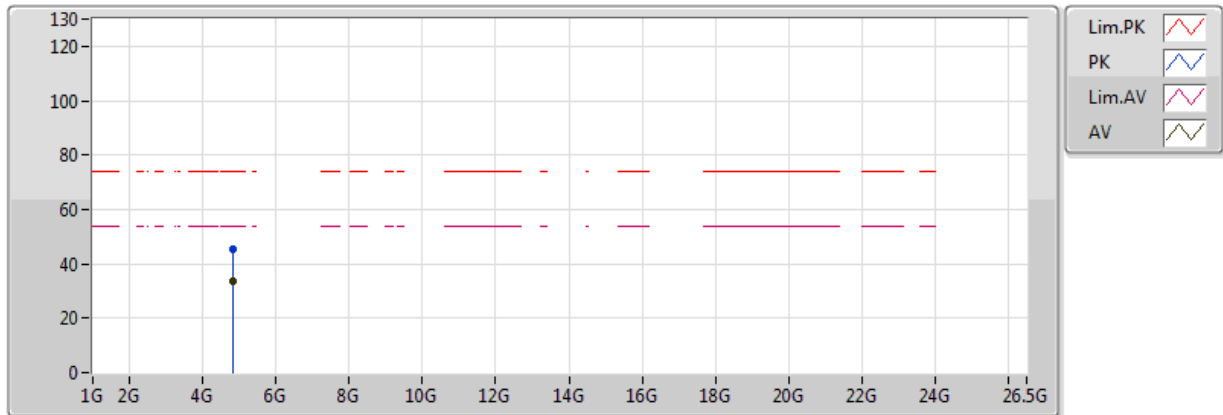


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	47.12	54.00	-6.88	31.37	3	V	240	2.57	-
AV	2.41G	87.97	Inf	-Inf	31.43	3	V	240	2.57	-
PK	2.375G	59.37	74.00	-14.63	31.32	3	V	240	2.57	-
PK	2.4124G	96.64	Inf	-Inf	31.44	3	V	240	2.57	-

802.11g_(6Mbps)_1TX

2412MHz_TX

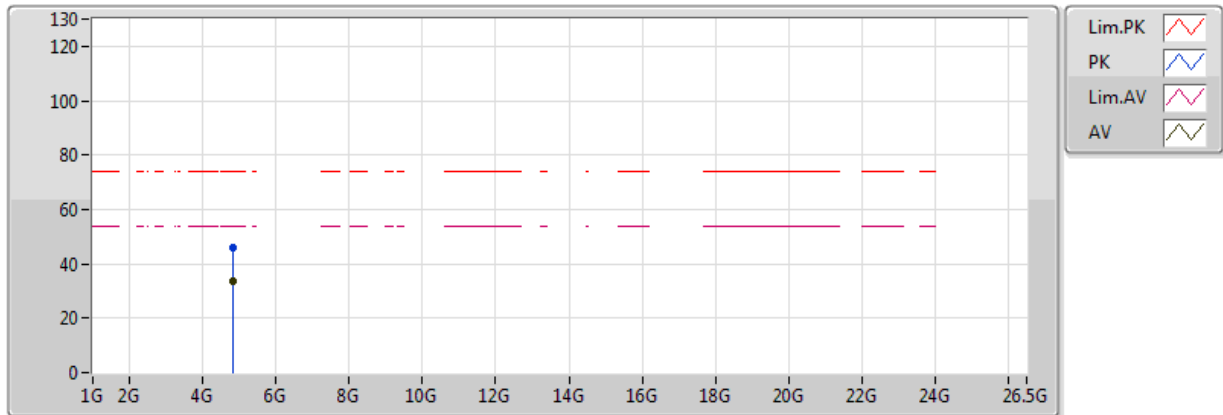


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	33.79	54.00	-20.21	6.42	3	V	152	1.63	-
PK	4.824G	45.12	74.00	-28.88	6.42	3	V	152	1.63	-

802.11g_(6Mbps)_1TX

2412MHz_TX

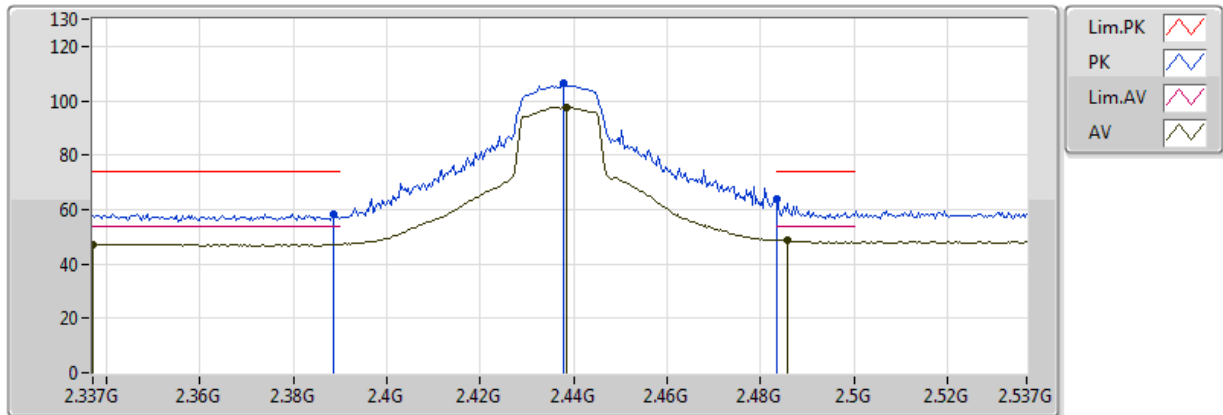


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	33.90	54.00	-20.10	6.42	3	H	331	2.10	-
PK	4.824G	45.80	74.00	-28.20	6.42	3	H	331	2.10	-

802.11g_(6Mbps)_1TX

2437MHz_TX

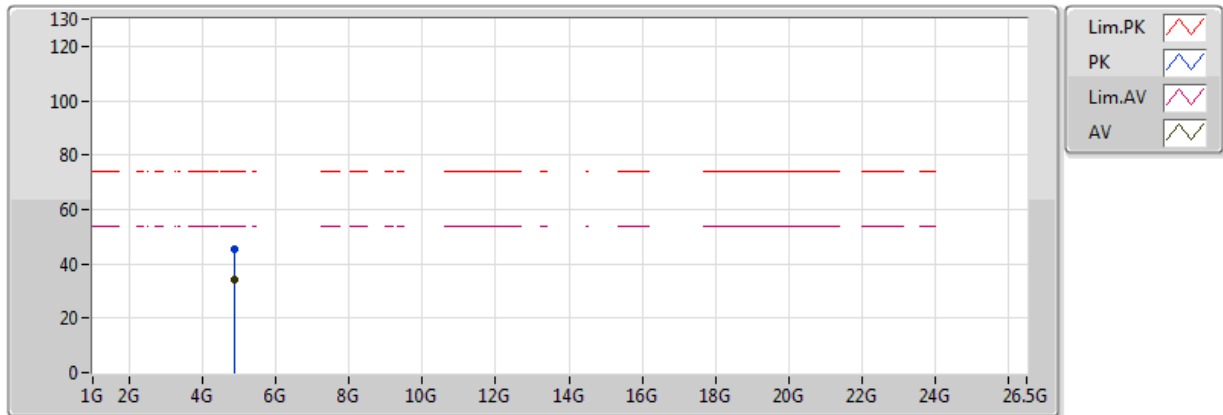


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	2.4378G	106.71	Inf	-Inf	31.53	3	V	245	2.13	-
PK	2.3886G	58.36	74.00	-15.64	31.36	3	V	245	2.13	-
PK	2.483502G	63.93	74.00	-10.07	31.68	3	V	245	2.13	-
AV	2.4386G	97.71	Inf	-Inf	31.53	3	V	245	2.13	-
AV	2.337G	47.23	54.00	-6.77	31.19	3	V	245	2.13	-
AV	2.4858G	48.66	54.00	-5.34	31.69	3	V	245	2.13	-

802.11g_(6Mbps)_1TX

2437MHz_TX

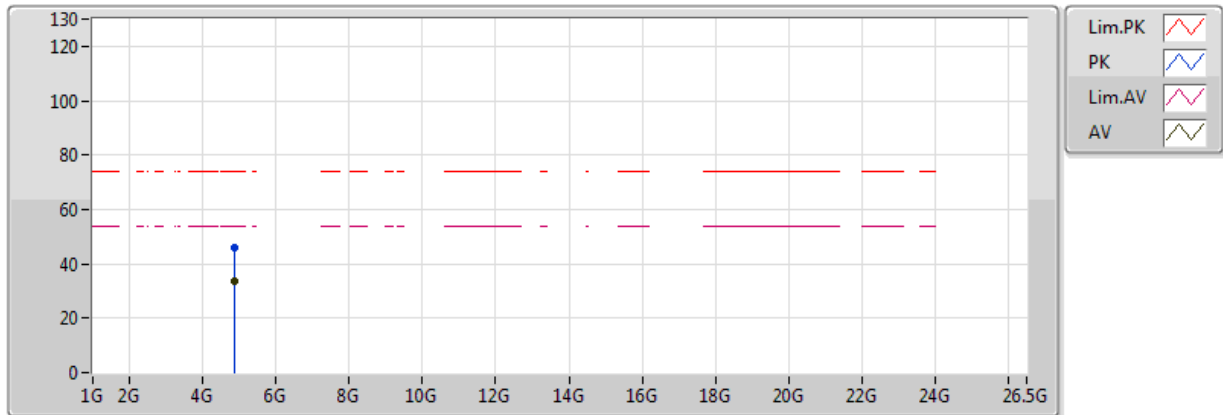


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	34.04	54.00	-19.96	6.53	3	V	205	1.07	-
PK	4.874G	45.66	74.00	-28.34	6.53	3	V	205	1.07	-

802.11g_(6Mbps)_1TX

2437MHz_TX

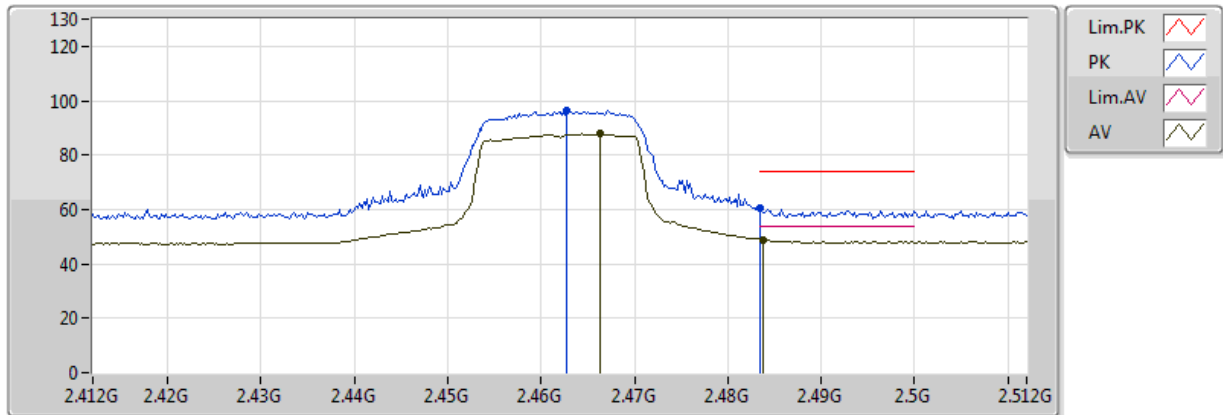


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	33.47	54.00	-20.53	6.53	3	H	255	1.43	-
PK	4.874G	46.12	74.00	-27.88	6.53	3	H	255	1.43	-

802.11g_(6Mbps)_1TX

2462MHz_TX

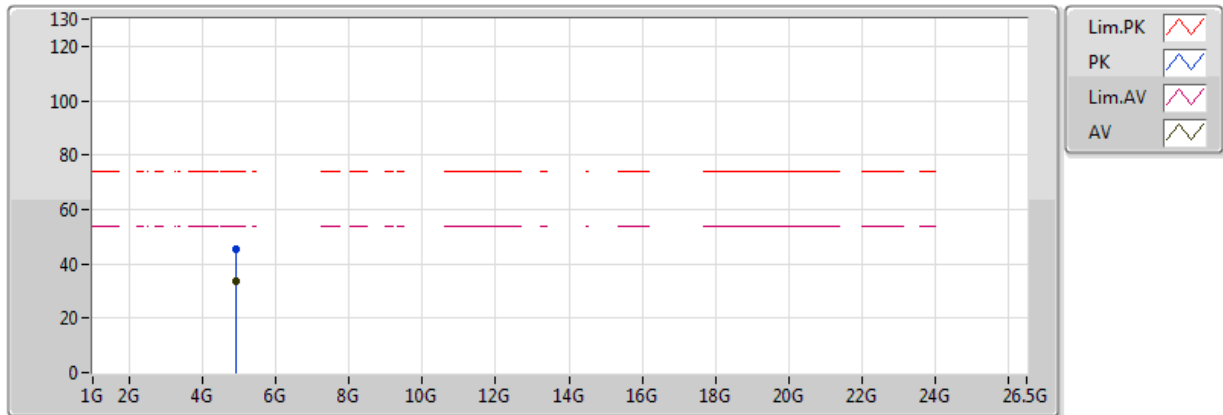


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4664G	87.70	Inf	-Inf	31.63	3	V	236	2.85	-
AV	2.4838G	48.92	54.00	-5.08	31.68	3	V	236	2.85	-
PK	2.4628G	96.45	Inf	-Inf	31.61	3	V	236	2.85	-
PK	2.483502G	60.27	74.00	-13.73	31.68	3	V	236	2.85	-

802.11g_(6Mbps)_1TX

2462MHz_TX

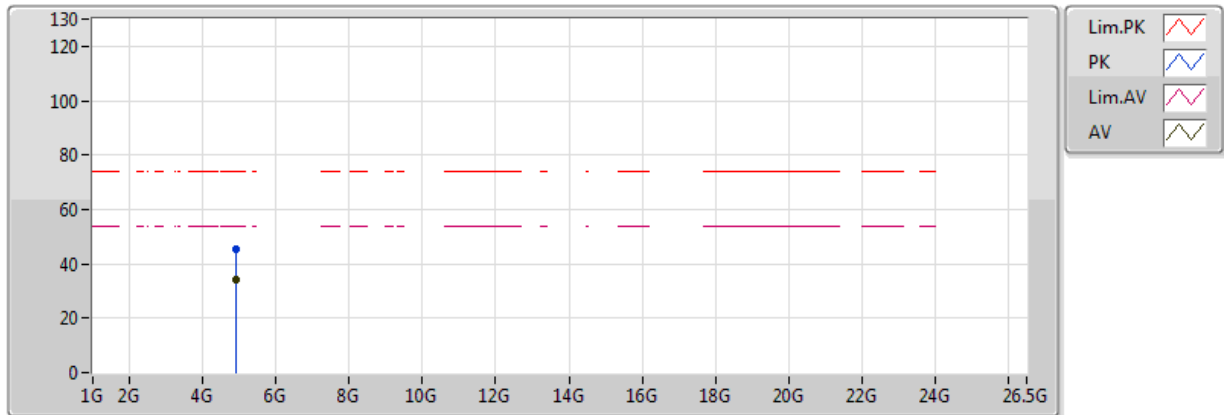


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.71	54.00	-20.29	6.65	3	V	358	1.50	-
PK	4.924G	45.35	74.00	-28.65	6.65	3	V	358	1.50	-

802.11g_(6Mbps)_1TX

2462MHz_TX

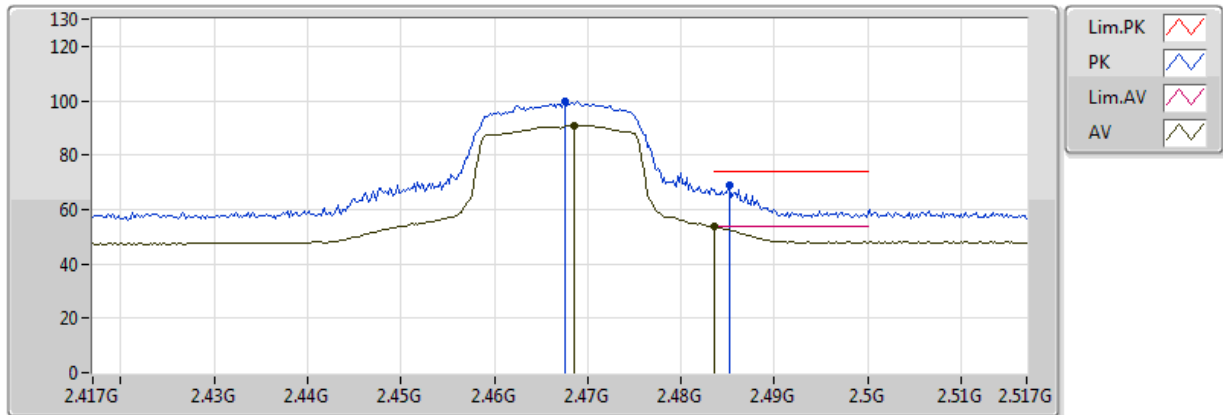


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	34.27	54.00	-19.73	6.65	3	H	288	1.28	-
PK	4.924G	45.51	74.00	-28.49	6.65	3	H	288	1.28	-

802.11g_(6Mbps)_1TX

2467MHz_TX

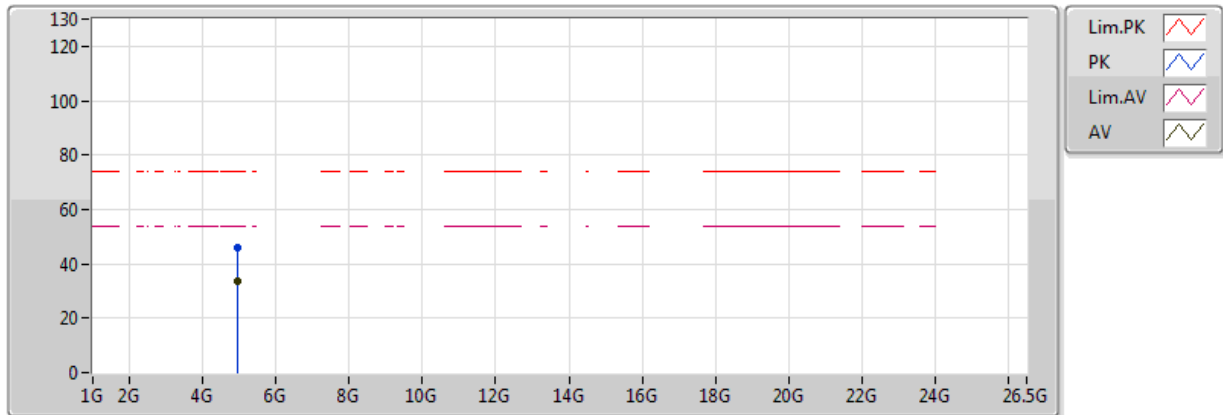


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4686G	91.05	Inf	-Inf	31.63	3	V	246	2.12	-
AV	2.4836G	53.66	54.00	-0.34	31.68	3	V	246	2.12	-
PK	2.4676G	99.99	Inf	-Inf	31.63	3	V	246	2.12	-
PK	2.4852G	68.71	74.00	-5.29	31.69	3	V	246	2.12	-

802.11g_(6Mbps)_1TX

2467MHz_TX

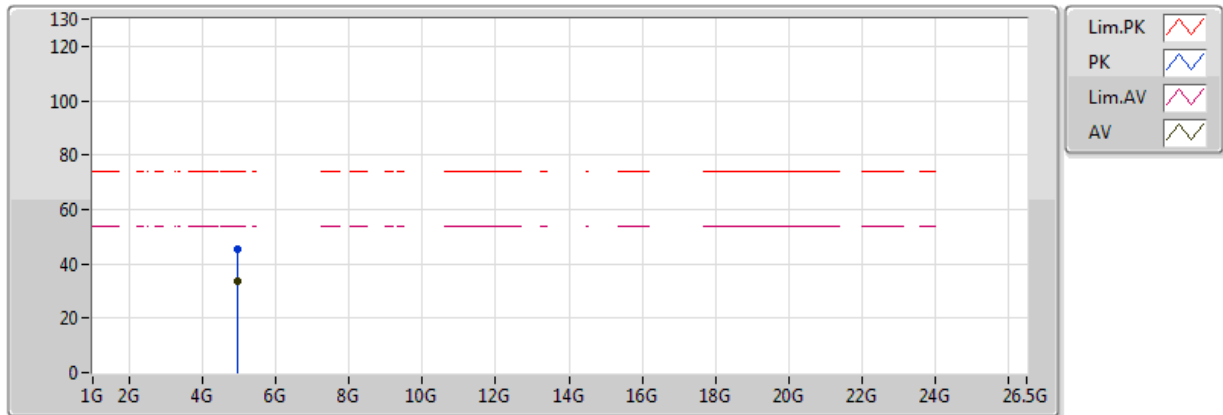


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	33.66	54.00	-20.34	6.67	3	V	104	2.25	-
PK	4.934G	45.87	74.00	-28.13	6.67	3	V	104	2.25	-

802.11g_(6Mbps)_1TX

2467MHz_TX

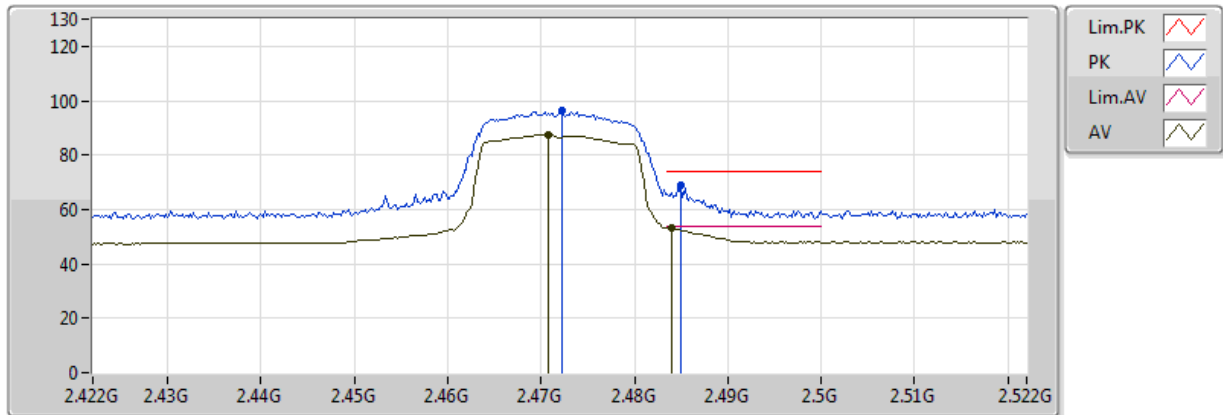


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	33.54	54.00	-20.46	6.67	3	H	231	1.77	-
PK	4.934G	45.59	74.00	-28.41	6.67	3	H	231	1.77	-

802.11g_(6Mbps)_1TX

2472MHz_TX

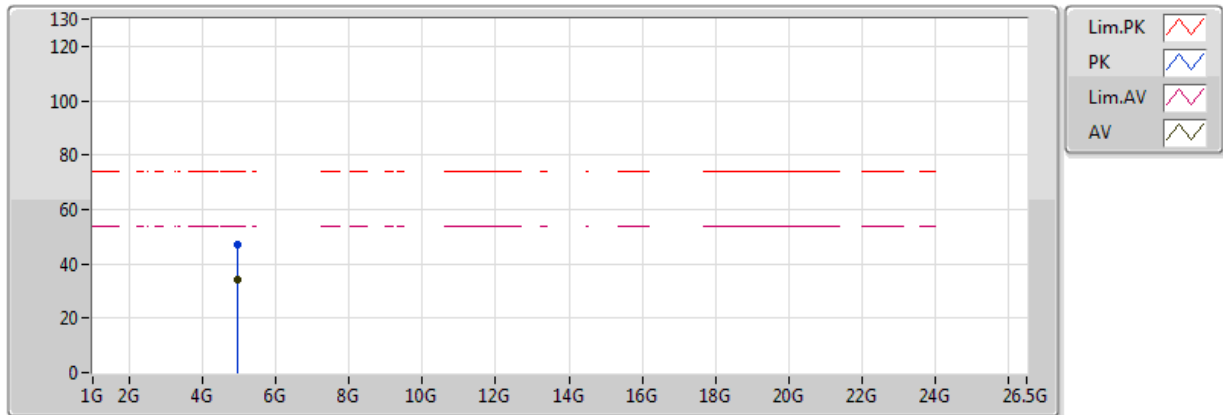


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4708G	87.36	Inf	-Inf	31.64	3	V	281	2.46	-
AV	2.484G	53.36	54.00	-0.64	31.69	3	V	281	2.46	-
PK	2.4722G	96.38	Inf	-Inf	31.65	3	V	281	2.46	-
PK	2.485G	68.99	74.00	-5.01	31.69	3	V	281	2.46	-

802.11g_(6Mbps)_1TX

2472MHz_TX

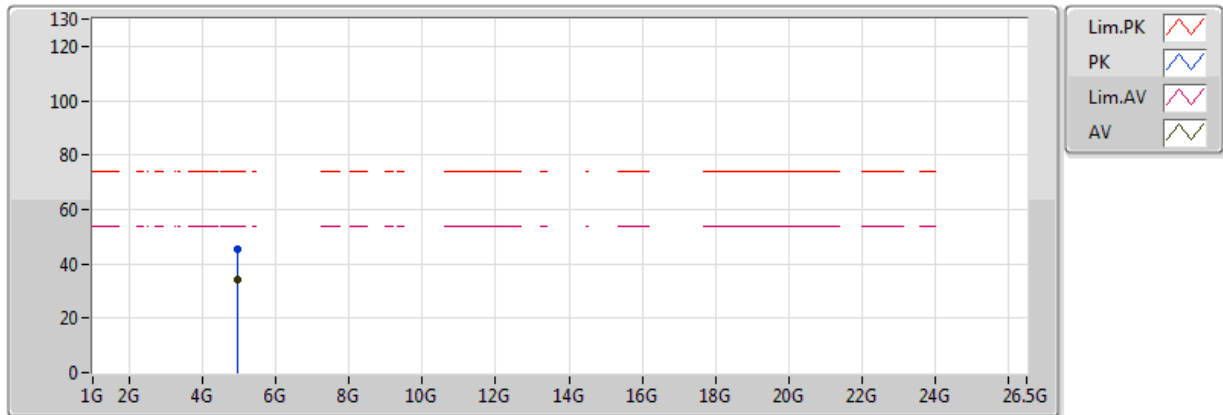


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	33.97	54.00	-20.03	6.69	3	V	338	1.58	-
PK	4.944G	46.82	74.00	-27.18	6.69	3	V	338	1.58	-

802.11g_(6Mbps)_1TX

2472MHz_TX

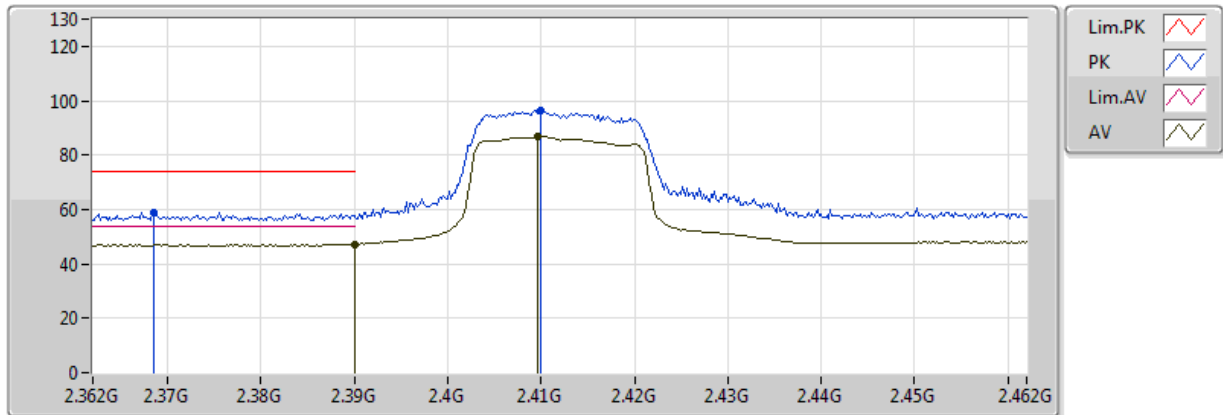


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	33.98	54.00	-20.02	6.69	3	H	297	1.55	-
PK	4.944G	45.57	74.00	-28.43	6.69	3	H	297	1.55	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

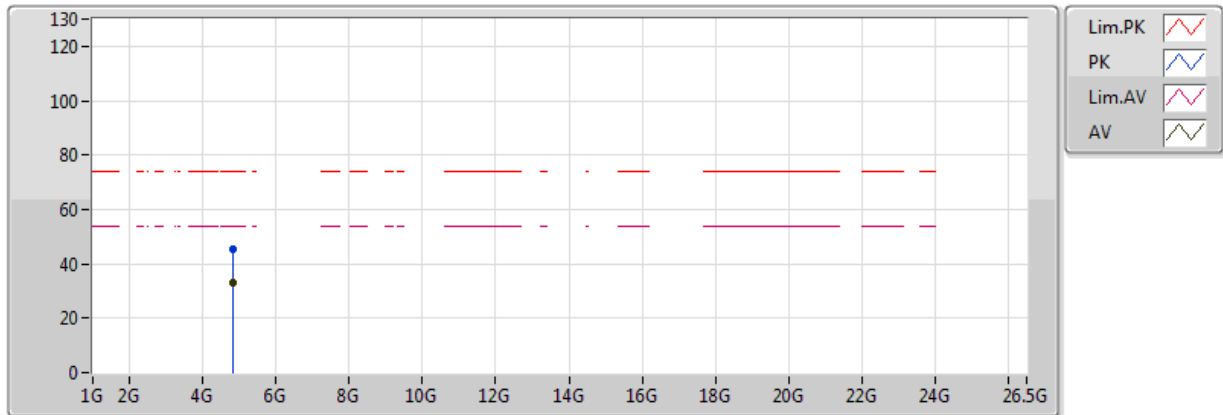


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	47.12	54.00	-6.88	31.37	3	V	238	2.57	-
AV	2.4096G	86.70	Inf	-Inf	31.43	3	V	238	2.57	-
PK	2.3686G	59.03	74.00	-14.97	31.30	3	V	238	2.57	-
PK	2.41G	96.26	Inf	-Inf	31.43	3	V	238	2.57	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

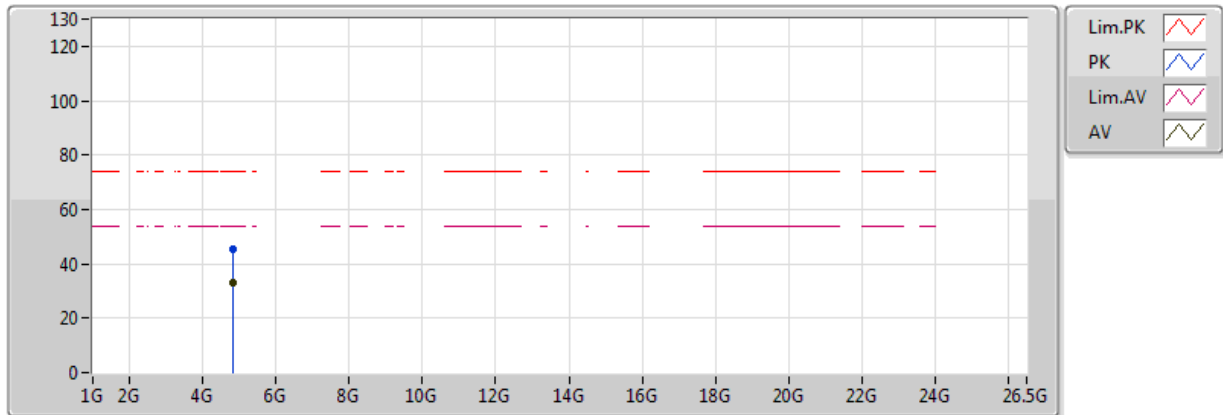


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	33.07	54.00	-20.93	6.42	3	V	69	1.58	-
PK	4.824G	45.17	74.00	-28.83	6.42	3	V	69	1.58	-

802.11n HT20_Nss1,(MCS0)_1TX

2412MHz_TX

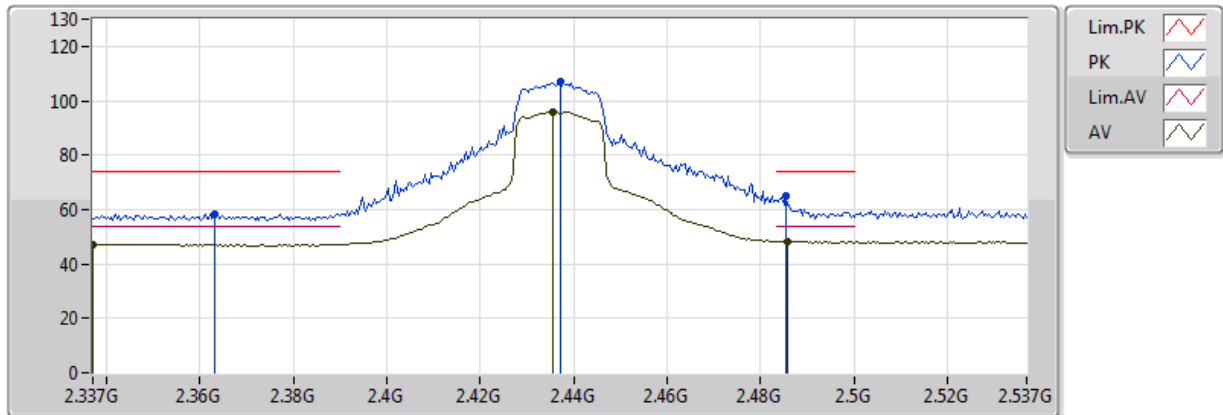


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	33.08	54.00	-20.92	6.41	3	H	126	1.63	-
PK	4.824G	45.46	74.00	-28.54	6.42	3	H	126	1.63	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

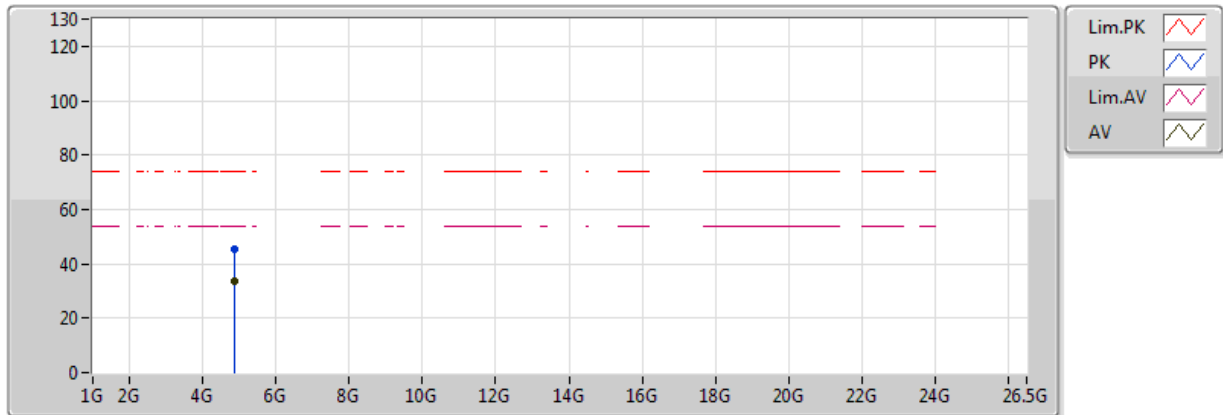


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.337G	47.23	54.00	-6.77	31.19	3	V	234	2.09	-
AV	2.4354G	95.94	Inf	-Inf	31.52	3	V	234	2.09	-
AV	2.4858G	48.38	54.00	-5.62	31.69	3	V	234	2.09	-
PK	2.363G	58.31	74.00	-15.69	31.28	3	V	234	2.09	-
PK	2.437G	106.77	Inf	-Inf	31.53	3	V	234	2.09	-
PK	2.4854G	64.90	74.00	-9.10	31.69	3	V	234	2.09	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

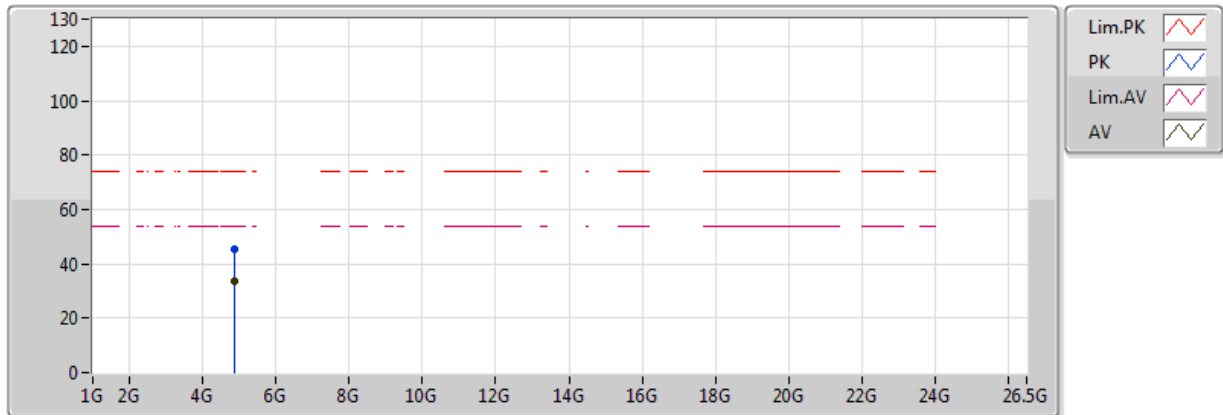


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	33.48	54.00	-20.52	6.53	3	V	62	1.98	-
PK	4.874G	45.36	74.00	-28.64	6.53	3	V	62	1.98	-

802.11n HT20_Nss1,(MCS0)_1TX

2437MHz_TX

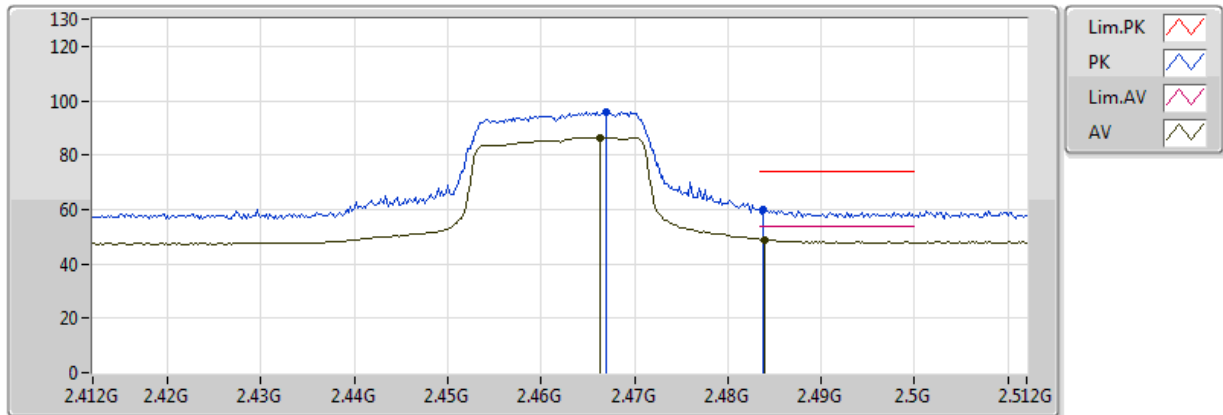


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	33.58	54.00	-20.42	6.53	3	H	34	1.63	-
PK	4.874G	45.44	74.00	-28.56	6.53	3	H	34	1.63	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

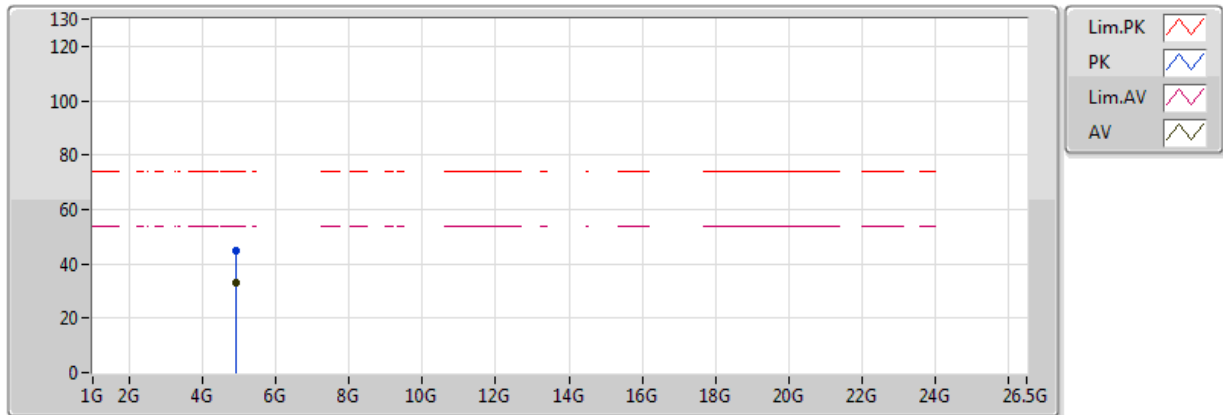


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4664G	86.46	Inf	-Inf	31.63	3	V	246	2.11	-
AV	2.484G	48.92	54.00	-5.08	31.69	3	V	246	2.11	-
PK	2.467G	95.84	Inf	-Inf	31.63	3	V	246	2.11	-
PK	2.4838G	60.14	74.00	-13.86	31.68	3	V	246	2.11	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

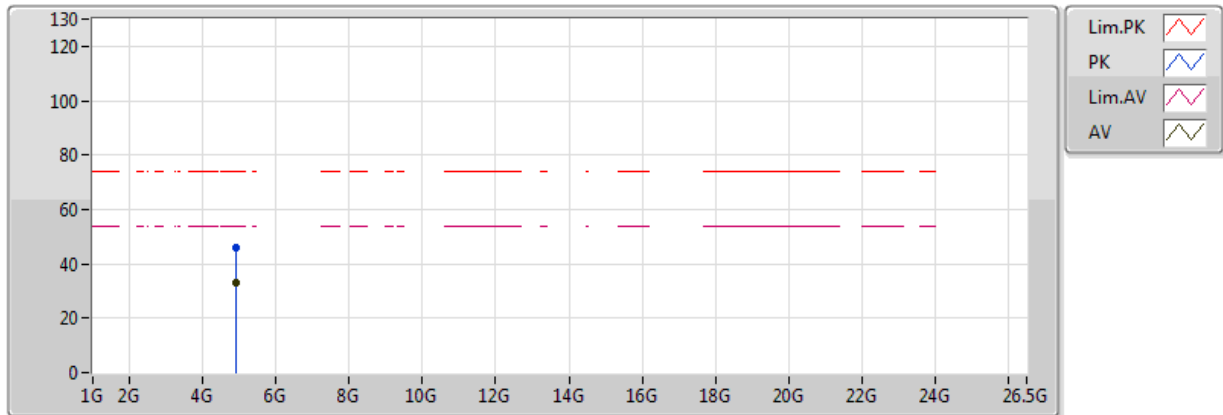


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.21	54.00	-20.79	6.65	3	V	285	1.85	-
PK	4.924G	44.90	74.00	-29.10	6.65	3	V	285	1.85	-

802.11n HT20_Nss1,(MCS0)_1TX

2462MHz_TX

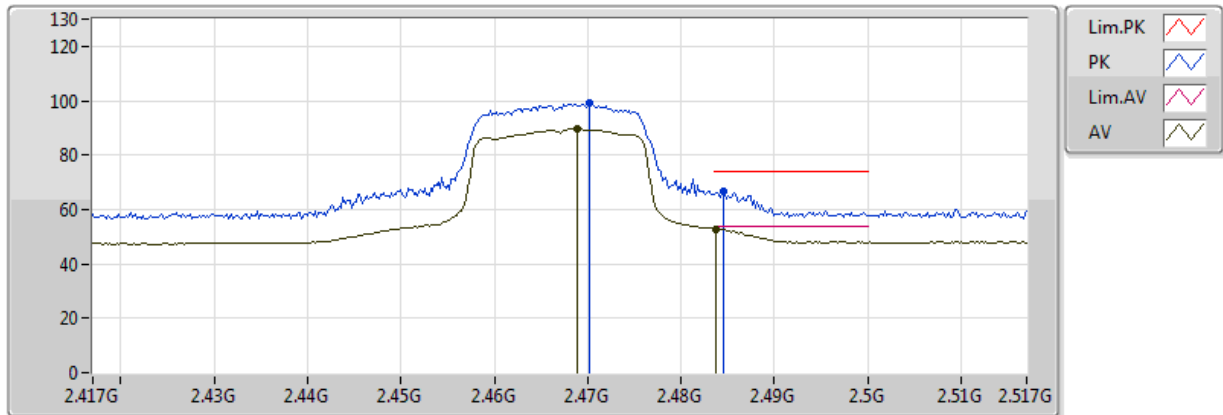


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.21	54.00	-20.79	6.65	3	H	83	1.72	-
PK	4.924G	45.75	74.00	-28.25	6.65	3	H	83	1.72	-

802.11n HT20_Nss1,(MCS0)_1TX

2467MHz_TX

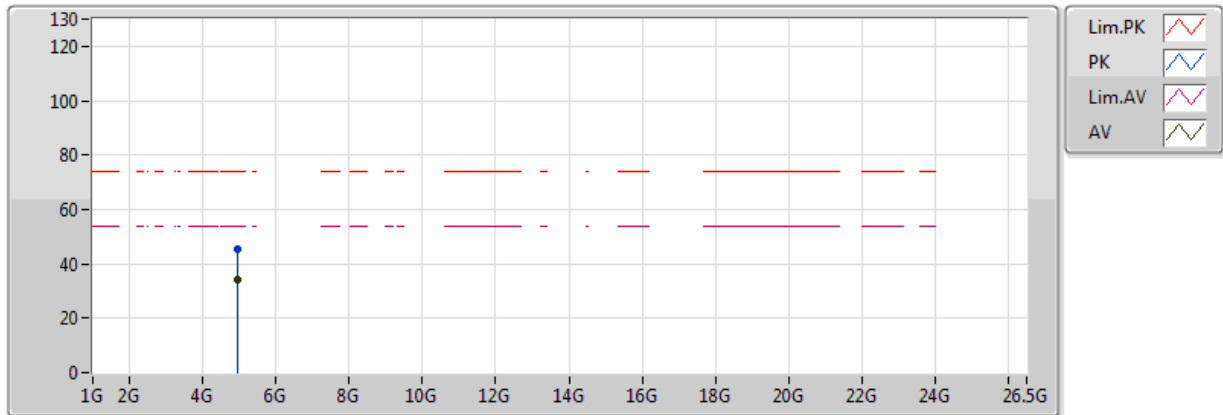


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4688G	89.64	Inf	-Inf	31.63	3	V	245	2.13	-
AV	2.4838G	52.87	54.00	-1.13	31.68	3	V	245	2.13	-
PK	2.4702G	98.91	Inf	-Inf	31.64	3	V	245	2.13	-
PK	2.4846G	66.76	74.00	-7.24	31.69	3	V	245	2.13	-

802.11n HT20_Nss1,(MCS0)_1TX

2467MHz_TX

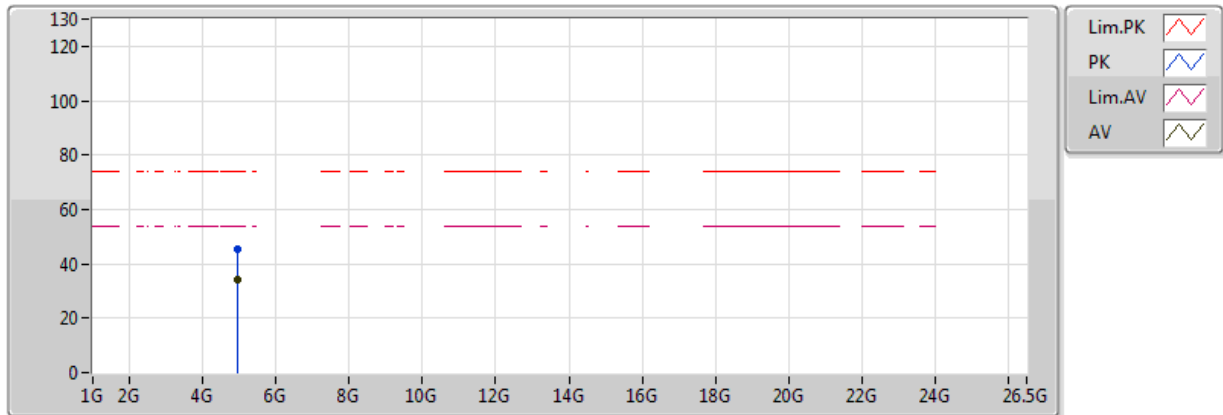


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	34.24	54.00	-19.76	6.69	3	V	122	1.93	-
PK	4.934G	45.57	74.00	-28.43	6.67	3	V	122	1.93	-

802.11n HT20_Nss1,(MCS0)_1TX

2467MHz_TX

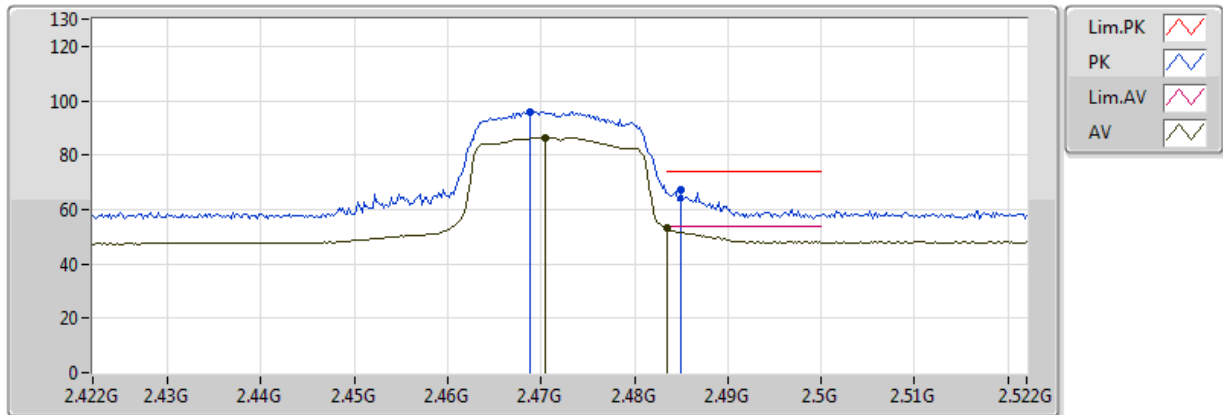


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.934G	34.04	54.00	-19.96	6.67	3	H	270	1.55	-
PK	4.934G	45.35	74.00	-28.65	6.67	3	H	270	1.55	-

802.11n HT20_Nss1,(MCS0)_1TX

2472MHz_TX

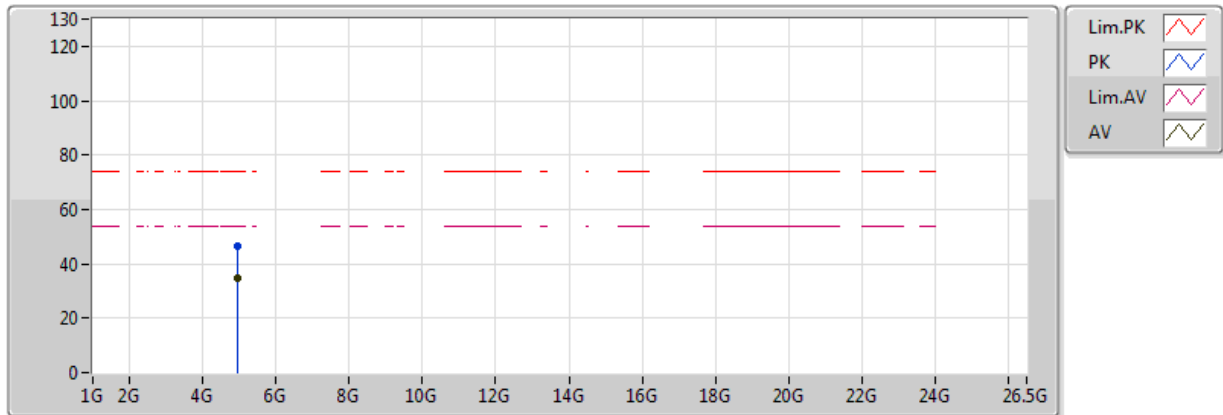


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4704G	86.57	Inf	-Inf	31.64	3	V	293	2.95	-
AV	2.483502G	53.19	54.00	-0.81	31.68	3	V	293	2.95	-
PK	2.4688G	95.93	Inf	-Inf	31.63	3	V	293	2.95	-
PK	2.485G	67.07	74.00	-6.93	31.69	3	V	293	2.95	-

802.11n HT20_Nss1,(MCS0)_1TX

2472MHz_TX

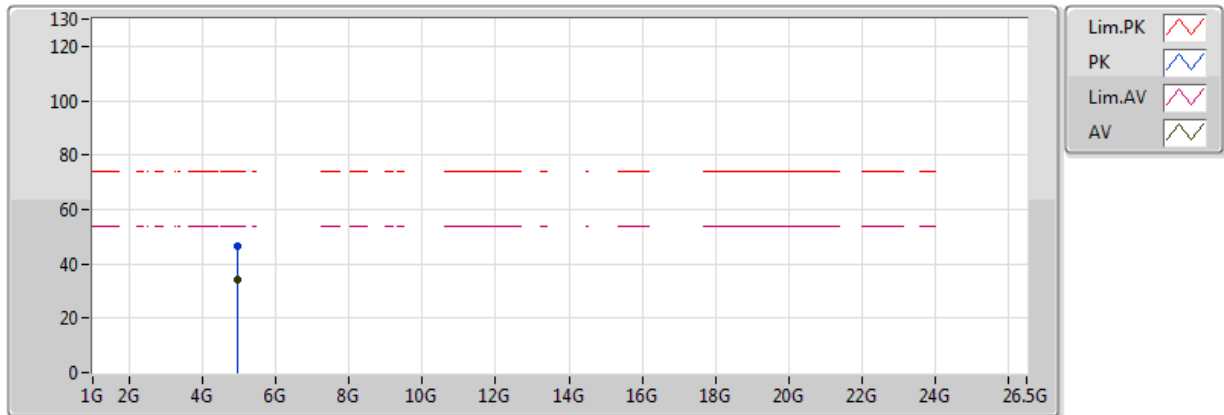


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	34.83	54.00	-19.17	6.69	3	V	37	1.12	-
PK	4.944G	46.63	74.00	-27.37	6.69	3	V	37	1.12	-

802.11n HT20_Nss1,(MCS0)_1TX

2472MHz_TX

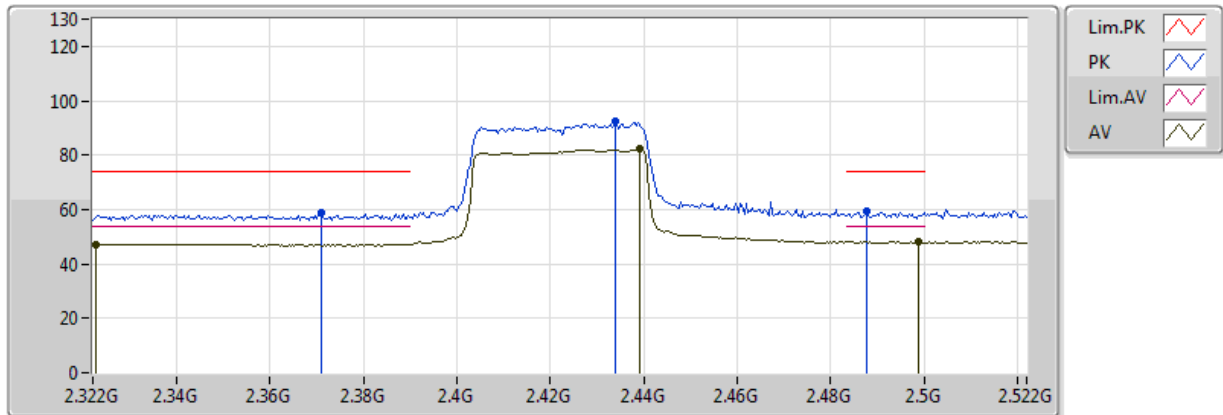


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.944G	34.17	54.00	-19.83	6.69	3	H	304	2.43	-
PK	4.944G	46.30	74.00	-27.70	6.69	3	H	304	2.43	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

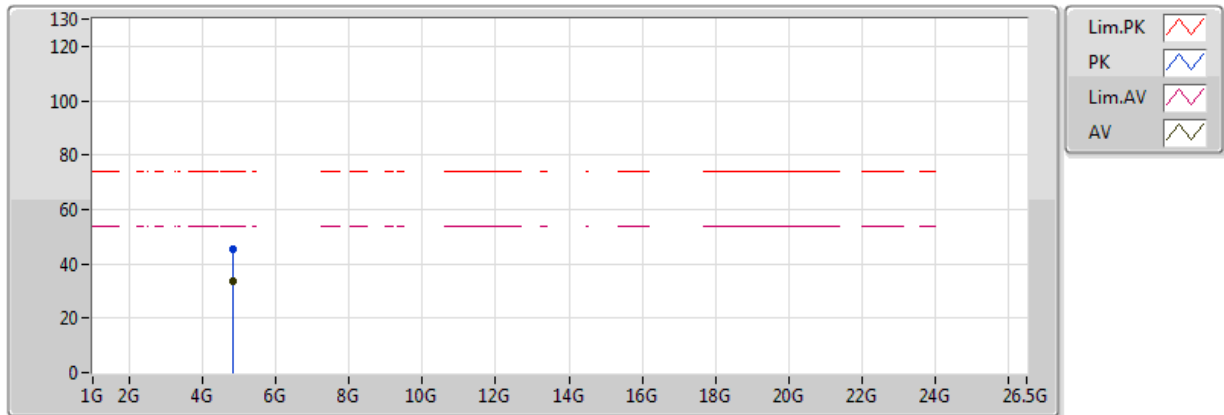


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3228G	47.28	54.00	-6.72	31.15	3	V	249	2.91	-
AV	2.4392G	82.32	Inf	-Inf	31.53	3	V	249	2.91	-
AV	2.4988G	48.12	54.00	-5.88	31.74	3	V	249	2.91	-
PK	2.3708G	58.82	74.00	-15.18	31.30	3	V	249	2.91	-
PK	2.434G	92.49	Inf	-Inf	31.52	3	V	249	2.91	-
PK	2.4876G	59.27	74.00	-14.73	31.70	3	V	249	2.91	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

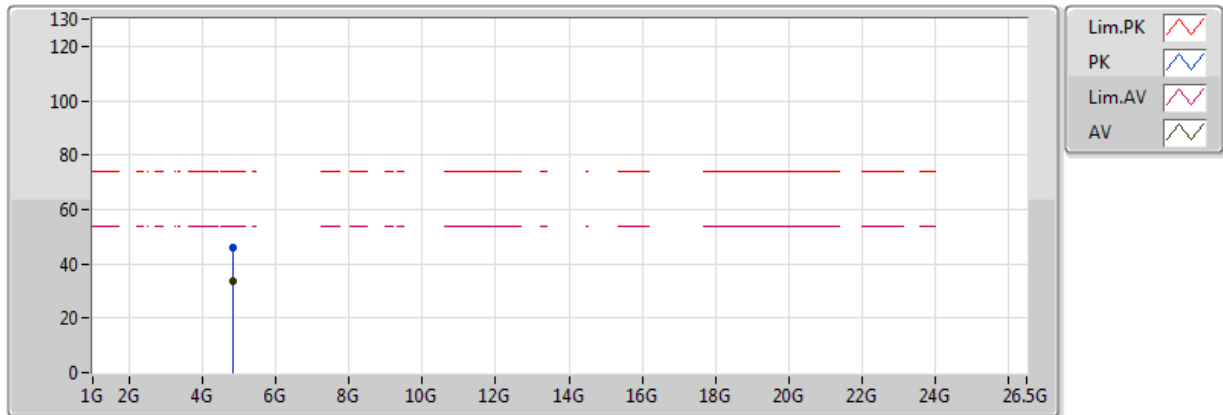


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	33.82	54.00	-20.18	6.47	3	V	104	2.26	-
PK	4.844G	45.26	74.00	-28.74	6.48	3	V	104	2.26	-

802.11n HT40_Nss1,(MCS0)_1TX

2422MHz_TX

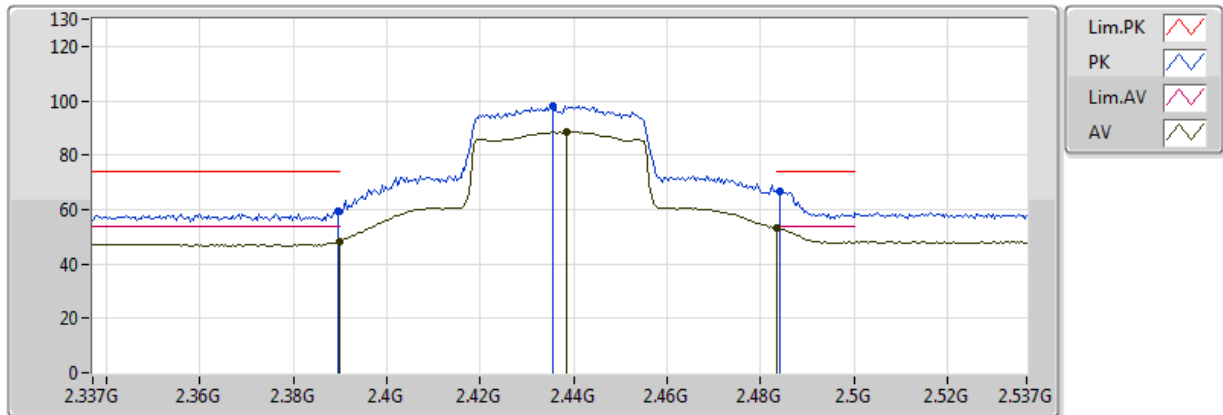


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.844G	33.81	54.00	-20.19	6.46	3	H	103	2.02	-
PK	4.844G	46.17	74.00	-27.83	6.46	3	H	103	2.02	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

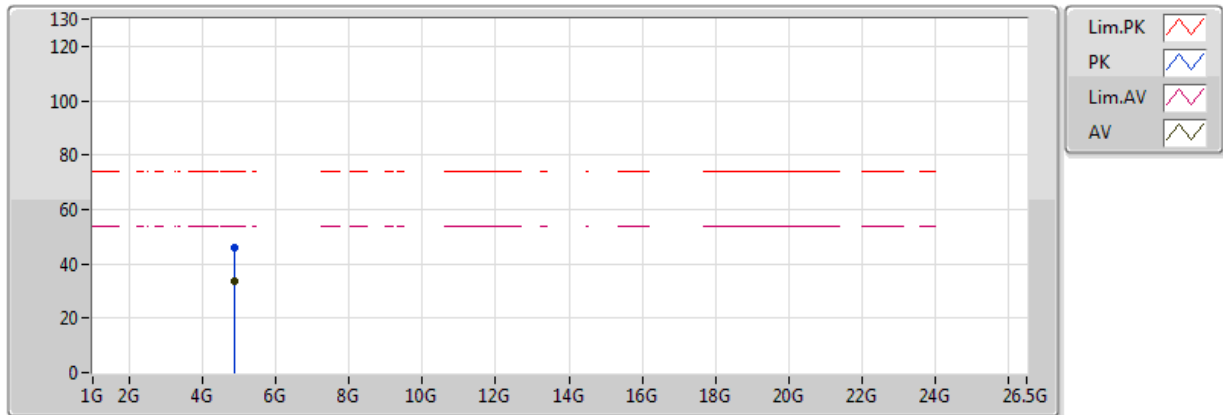


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	47.95	54.00	-6.05	31.37	3	V	235	2.60	-
AV	2.4386G	88.47	Inf	-Inf	31.53	3	V	235	2.60	-
AV	2.483502G	53.35	54.00	-0.65	31.68	3	V	235	2.60	-
PK	2.3894G	59.50	74.00	-14.50	31.37	3	V	235	2.60	-
PK	2.4354G	98.27	Inf	-Inf	31.52	3	V	235	2.60	-
PK	2.4842G	66.88	74.00	-7.12	31.69	3	V	235	2.60	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

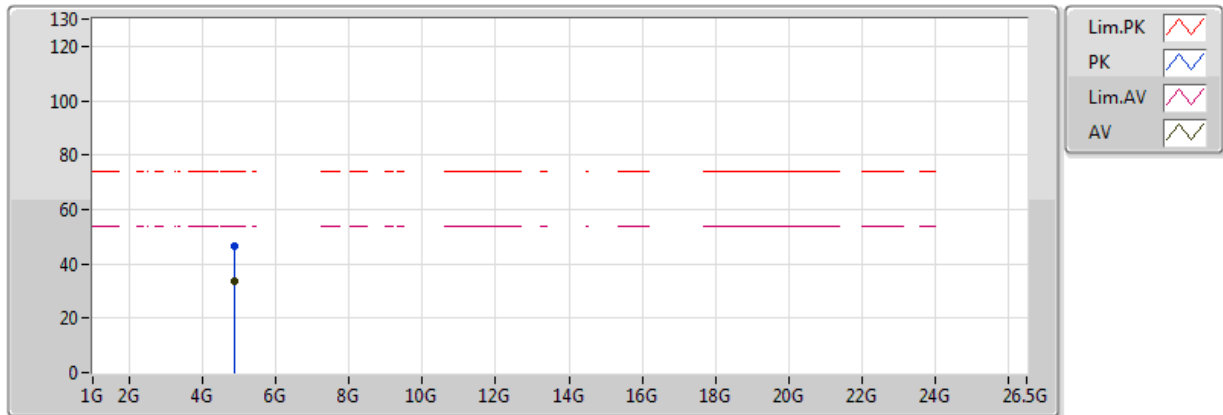


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	33.55	54.00	-20.45	6.53	3	V	84	1.09	-
PK	4.874G	45.72	74.00	-28.28	6.53	3	V	84	1.09	-

802.11n HT40_Nss1,(MCS0)_1TX

2437MHz_TX

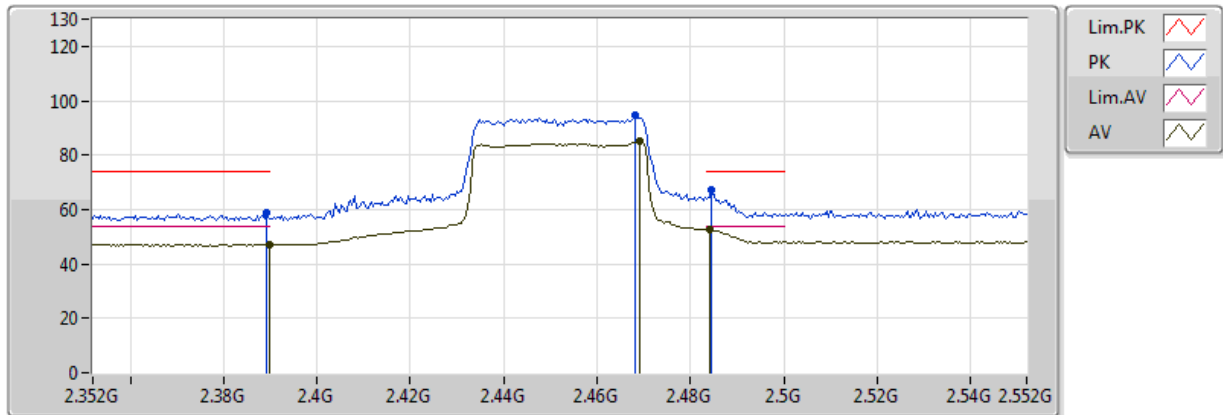


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874G	33.48	54.00	-20.52	6.53	3	H	97	1.50	-
PK	4.874G	46.31	74.00	-27.69	6.53	3	H	97	1.50	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

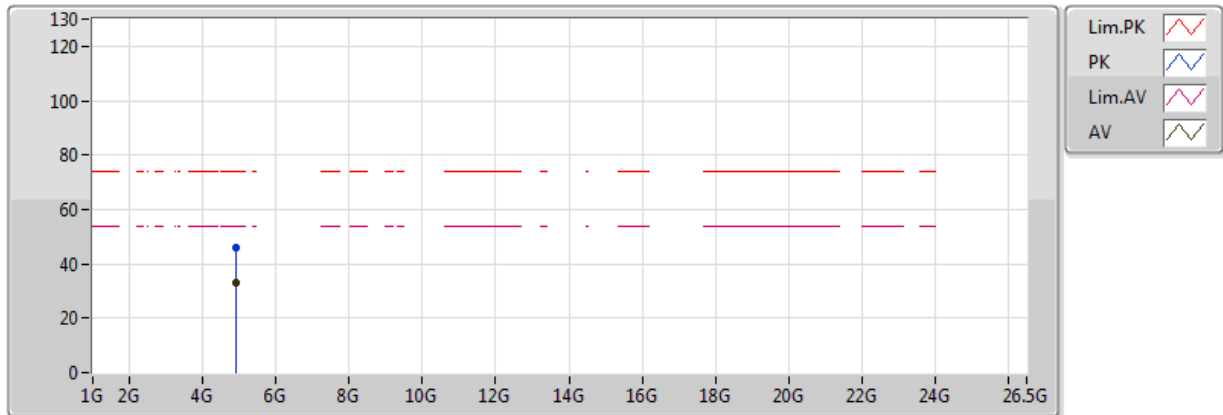


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	47.13	54.00	-6.87	31.37	3	V	249	2.86	-
AV	2.4692G	84.92	Inf	-Inf	31.64	3	V	249	2.86	-
AV	2.484G	52.70	54.00	-1.30	31.69	3	V	249	2.86	-
PK	2.3892G	58.59	74.00	-15.41	31.36	3	V	249	2.86	-
PK	2.468G	94.68	Inf	-Inf	31.63	3	V	249	2.86	-
PK	2.4844G	67.20	74.00	-6.80	31.69	3	V	249	2.86	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

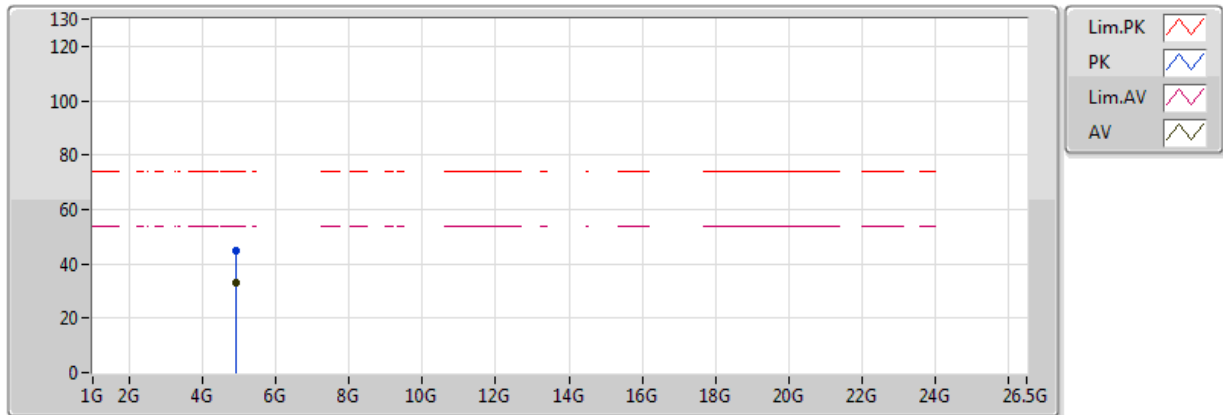


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	33.14	54.00	-20.86	6.60	3	V	61	1.90	-
PK	4.904G	45.90	74.00	-28.10	6.60	3	V	61	1.90	-

802.11n HT40_Nss1,(MCS0)_1TX

2452MHz_TX

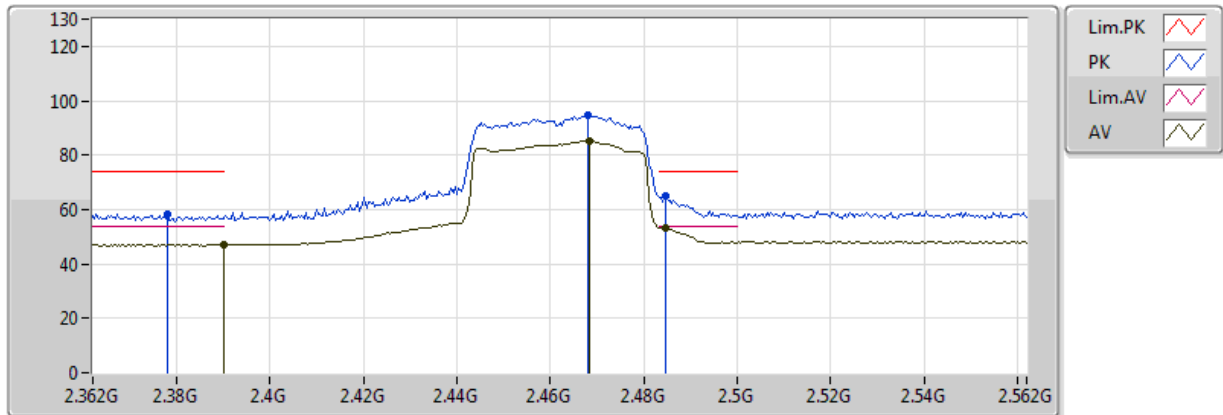


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904G	33.17	54.00	-20.83	6.60	3	H	233	1.40	-
PK	4.904G	45.00	74.00	-29.00	6.60	3	H	233	1.40	-

802.11n HT40_Nss1,(MCS0)_1TX

2462MHz_TX

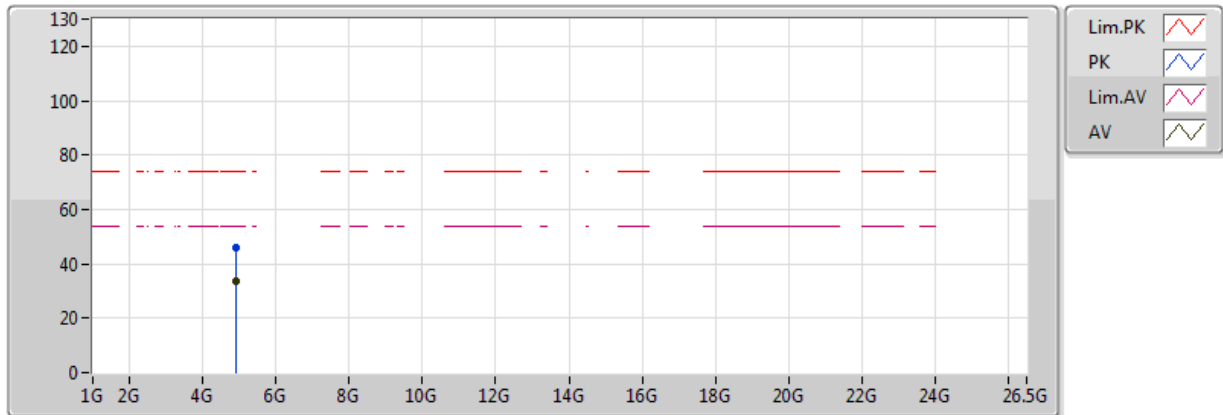


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	47.13	54.00	-6.87	31.37	3	V	248	2.11	-
AV	2.4684G	85.29	Inf	-Inf	31.63	3	V	248	2.11	-
AV	2.4848G	53.20	54.00	-0.80	31.69	3	V	248	2.11	-
PK	2.378G	58.38	74.00	-15.62	31.33	3	V	248	2.11	-
PK	2.468G	94.43	Inf	-Inf	31.63	3	V	248	2.11	-
PK	2.4848G	64.90	74.00	-9.10	31.69	3	V	248	2.11	-

802.11n HT40_Nss1,(MCS0)_1TX

2462MHz_TX

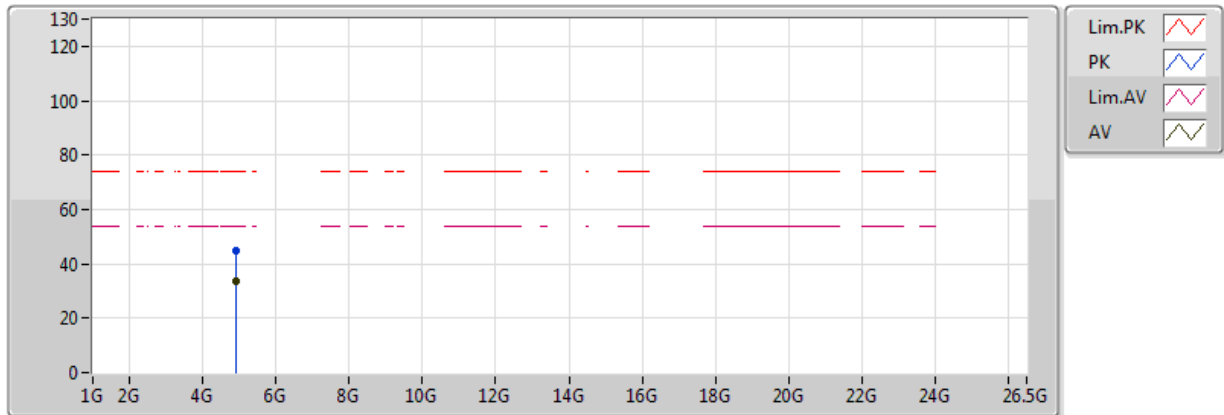


EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.47	54.00	-20.53	6.65	3	V	210	1.77	-
PK	4.924G	46.22	74.00	-27.78	6.65	3	V	210	1.77	-

802.11n HT40_Nss1,(MCS0)_1TX

2462MHz_TX



EUT= Z

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.924G	33.47	54.00	-20.53	6.65	3	H	231	1.16	-
PK	4.924G	44.94	74.00	-29.06	6.65	3	H	231	1.16	-