

FCC Test Report

Equipment : 802.11a/b/g/n/ac,2T2R Wireless LAN USB2.0 Module
Brand Name : LITE-ON
Model No. : WN4515L
FCC ID : PPQ-WN4515L
Standard : 47 CFR FCC Part 15.247
Operating Band : 2400 MHz – 2483.5 MHz
Function : Point-to-multipoint; Point-to-point
Applicant : Lite-On Technology Corp.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City
23585, Taiwan, R.O.C
Manufacturer : LITE-ON TECHNOLOGY (Changzhou) CO., LTD
A9 Building, No.88 Yanghu Road, Wujin Hi-Tech
Industrial Development Zone, Changzhou City, Jiangsu
Province 213100 China

The product sample received on May 29, 2017 and completely tested on Aug. 04, 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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PHOTOGRAPHS OF EUT V01



Summary of Test Result

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



Revision History

Report No.	Version	Description	Issued Date
FR752518AC	Rev. 01	Initial issue of report	Aug. 11, 2017



1 General Description

1.1 Information

1.1.1 RF General Information

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

<Big board>

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX(Port 1)
2.4-2.4835GHz	802.11g	20	1TX(Port 1)
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

<Small board>

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX(Port 2)
2.4-2.4835GHz	802.11g	20	1TX(Port 2)
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX

Note:

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



1.1.2 Antenna Information

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Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Cable Length(mm)
1	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	2.60	300
2	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.89	400
3	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.75	450
4	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.71	500
5	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.72	550
6	1	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.62	600
7	2	PSA	RFMTA1006 00NNLB001	PIFA Antenna	fixed on board	0.52	-

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

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



<Small board>

Ant.	Port	Brand	P/N	Antenna Type	Connector	Gain (dBi)	Cable Length(mm)
1	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	2.60	300
2	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.89	400
3	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.75	450
4	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.71	500
5	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.72	550
6	2	PSA	RFMTA4010 29IMLB701	PIFA Antenna	I-PEX	1.62	600
7	1	PSA	RFMTA1006 00NNLB001	PIFA Antenna	fixed on board	0.52	-

Note: 1: 802.11b/g only includes 1TX and Port 2 for emission.

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



1.1.3 EUT Information

Identify EUT				
SW / HW		N/A		
Operational Condition				
EUT Power Type		From Host system		
Beamforming Function		<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming	
Type of EUT				
<input checked="" type="checkbox"/>	Stand-alone			
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.:		...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:		...	
<input type="checkbox"/>	Other:			

1.1.4 Mode Test Duty Cycle

<Big board>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)

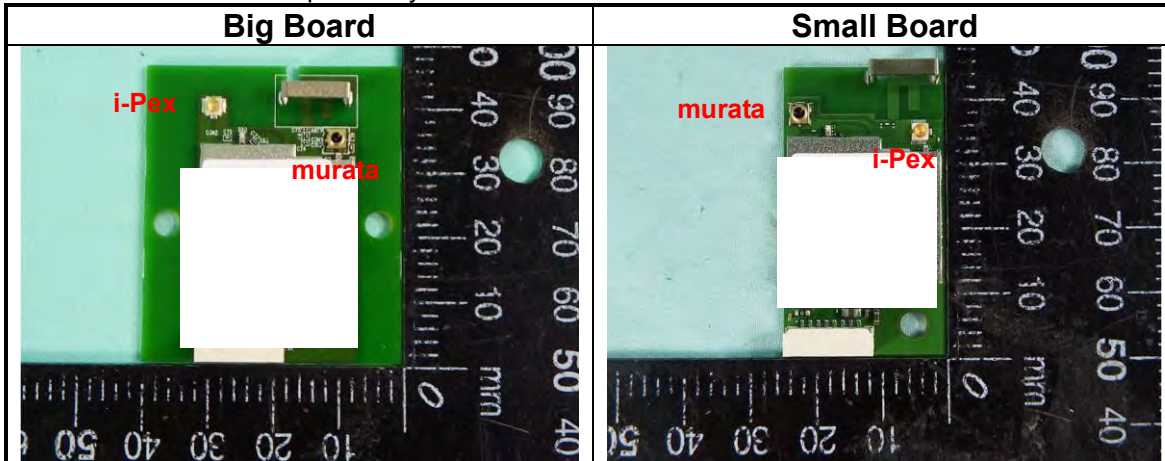
<Small board>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	1	0	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20	0.993	0.031	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)

1.1.5 Table for Explanation of module boards

There are two module boards for EUT. The difference between these two boards as below:

- 1. i-Pex connector is replaced by murata connector.
- 2. murata connector is replaced by i-Pex connector.



1.2 Testing Applied Standards

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

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

1.3 Testing Location Information

Testing Location		
<input checked="" type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.) TEL : 886-3-327-3456 FAX : 886-3-327-0973
Test site Designation No. TW1190 with FCC.		
<input type="checkbox"/>	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 <Big board>	TH07-HY	Gary	22.5°C / 61%	08/Jun/2017
RF Conducted <Small board>	TH07-HY	Candy	22.5°C / 63%	04/Aug/2017
Radiated <Big board>	03CH02-HY	Daniel	21.6C / 58%	16/Jun/2017
Radiated <Small board>	03CH02-HY	Andy	23.5C / 58%	27/Jul/2017
AC Conduction	CO04-HY	Bear	20.7°C / 62%	13/Jun/2017

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	REALTEK 11ac 8812AU 0.0062.14.20160929
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<Big board>

Mode	Power Setting
802.11b_(1Mbps)_1TX	-
2412MHz	42
2437MHz	42
2462MHz	42
802.11g_(6Mbps)_1TX	-
2412MHz	49
2437MHz	56
2462MHz	47
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	48,50
2437MHz	48,50
2462MHz	48,50
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	48,49
2437MHz	50,51
2452MHz	46,47






<Small board>

Mode	Power Setting
802.11b_Nss1,(1Mbps)_1TX	-
2412MHz	49
2437MHz	53
2462MHz	44
802.11g_Nss1,(6Mbps)_1TX	-
2412MHz	50
2437MHz	60
2462MHz	48
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	48,49
2437MHz	48,50
2462MHz	45,47
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	48,49
2437MHz	50,51
2452MHz	45,46

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	USB mode

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

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



2.4 Support Equipment

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

Note.Support equipment No.3 was provided by customer.

Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5530	DoC
2	AC Adapter for NB	DELL	L90PM111	DoC
3	Fixture	-	-	-

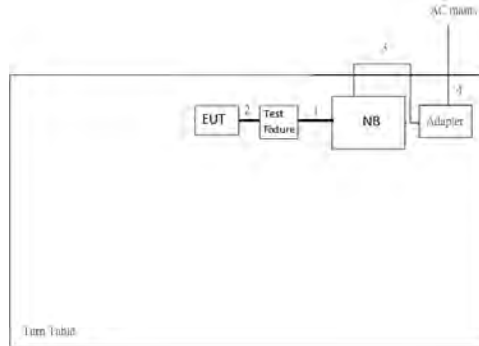
Note.Support equipment No.3 was provided by customer.

Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	Notebook	DELL	E5530	DoC
2	AC Adapter for NB	DELL	L90PM111	DoC
3	Fixture	-	-	-

Note.Support equipment No.3 was provided by customer.

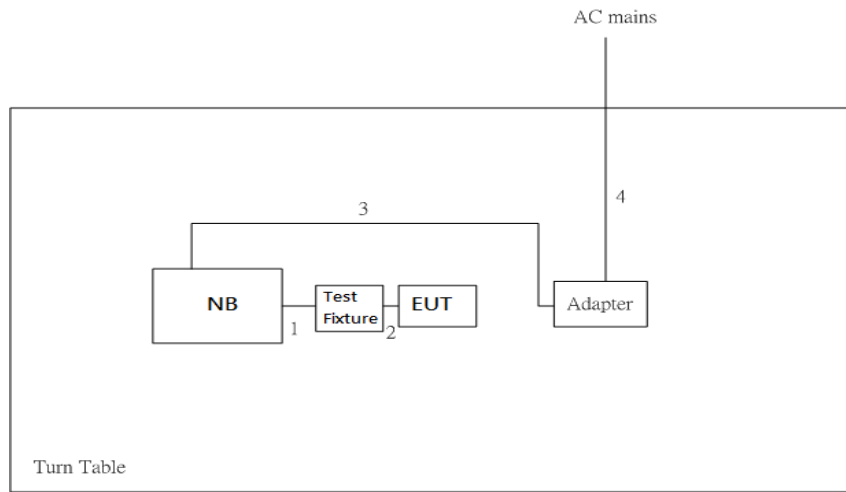
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Cable	No	0.1m	-
2	Test Fixture cable	No	0.1m	-
3	AC power line	No	1.8m	-
4	AC power cable	No	1.8m	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	USB Cable	No	0.1m	-
2	Test Fixture cable	No	0.1m	-
3	AC power line	No	1.8m	-
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.

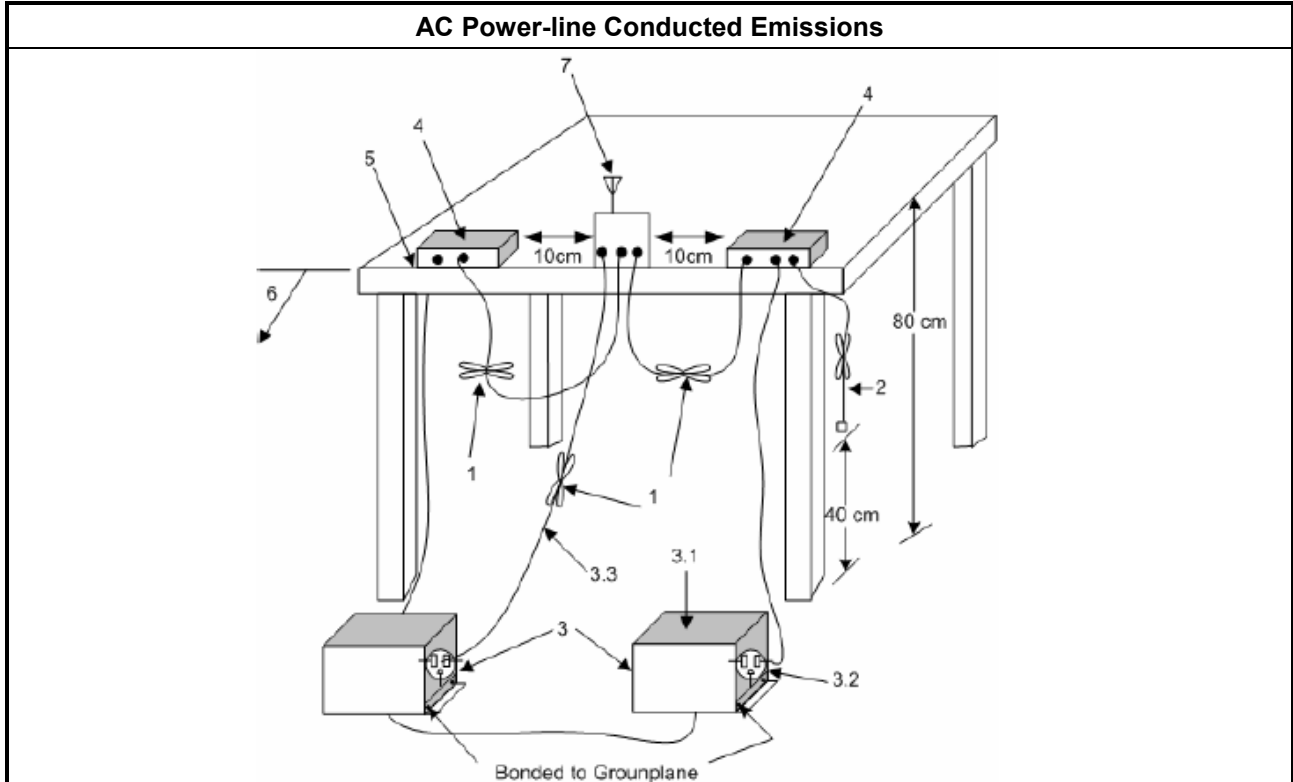
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> 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:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

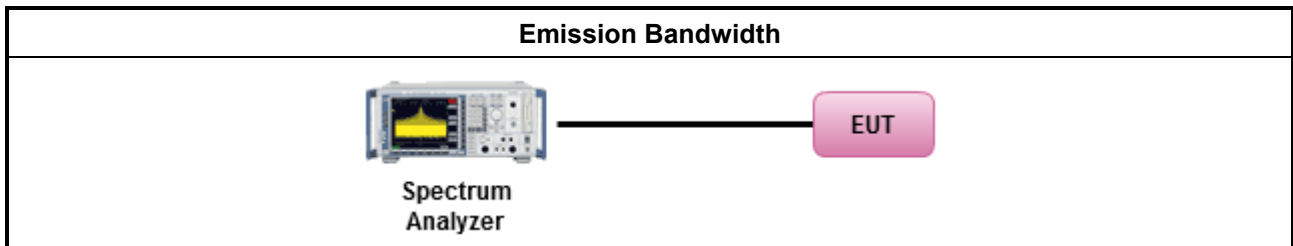
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> 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	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS): <ul style="list-style-type: none"> - 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 $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dBm
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS) <ul style="list-style-type: none"> - 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>P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

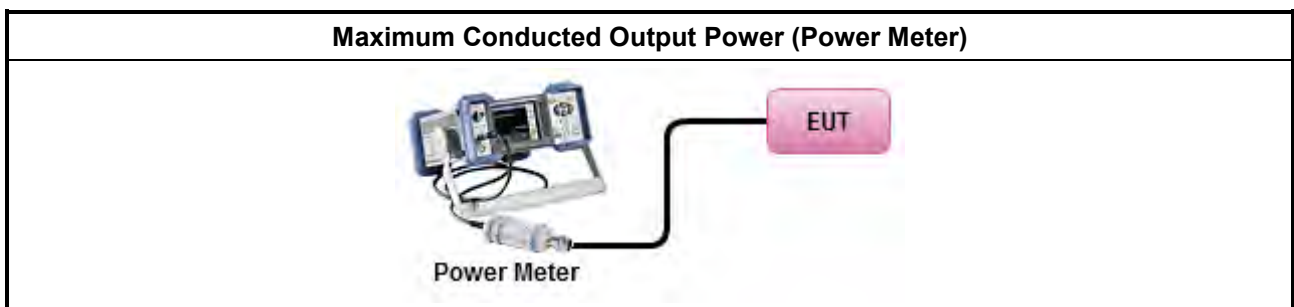
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.2 Option 2 (integrated band power method)
<input type="checkbox"/>	Refer as KDB 558074, clause 9.1.3 Option 3 (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
Duty cycle < 98%	
<input type="checkbox"/>	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	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 9.2.3.1 Method AVGPM (using an RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ 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
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

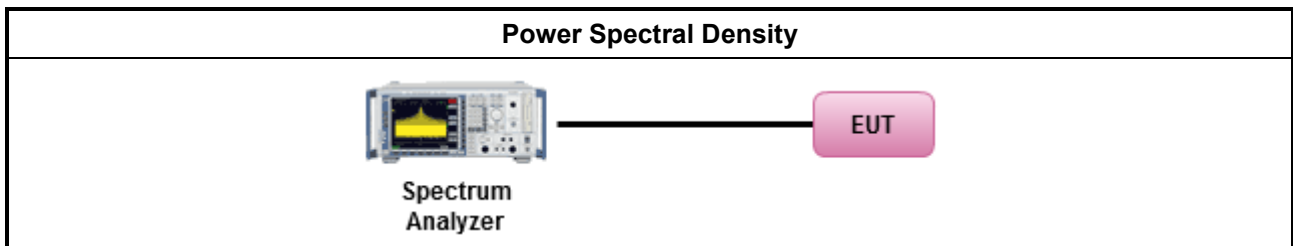
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> 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). 	
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak).
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: 	
<input checked="" type="checkbox"/>	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.

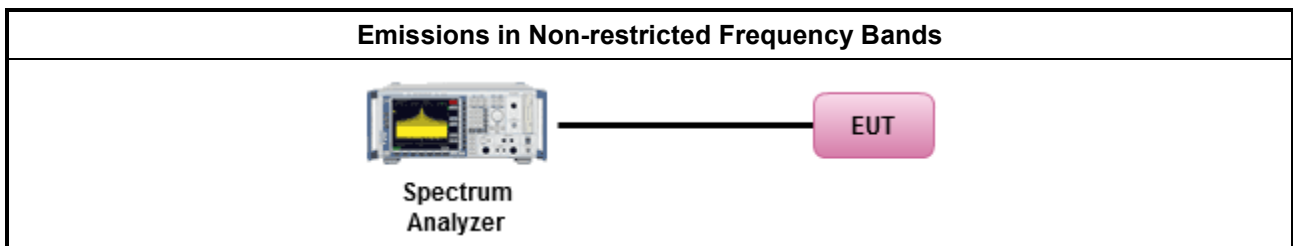
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> 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

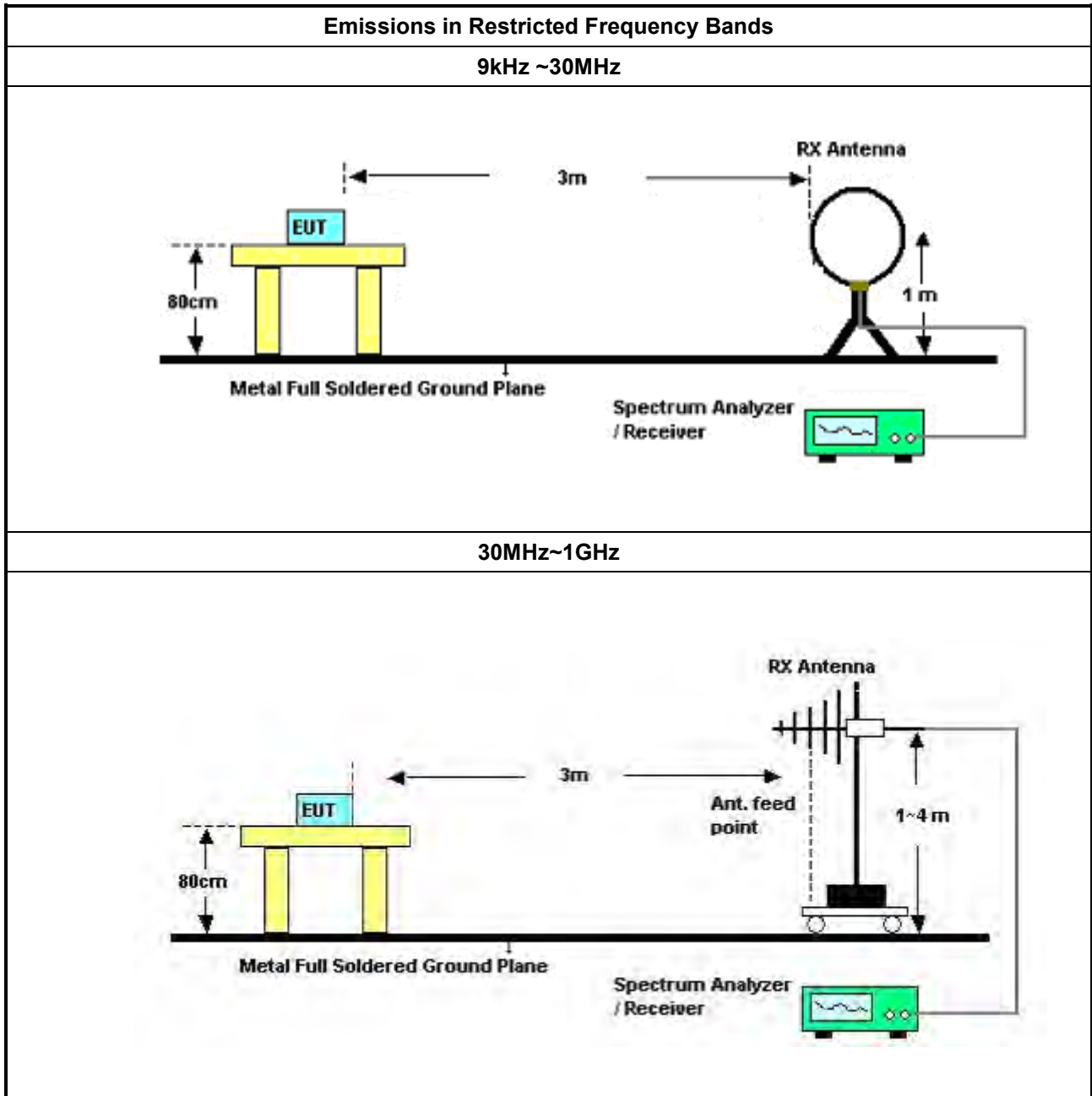
Refer a test equipment and calibration data table in this test report.

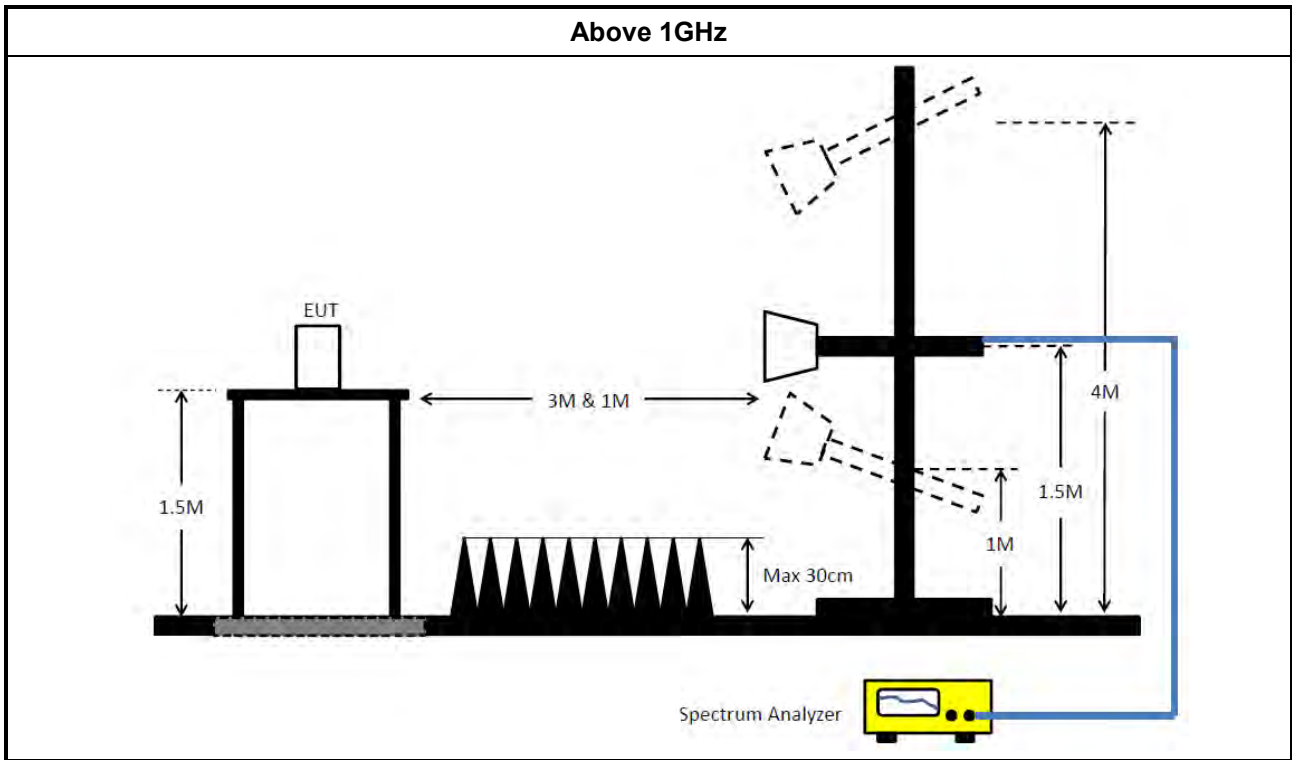


3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ 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. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 12 for unwanted emissions into restricted bands.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 12.2.5.3 (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW \geq 1/T.
<input checked="" type="checkbox"/>	Refer as KDB 558074, clause 12.2.4 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ For the transmitter band-edge emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ Refer as KDB 558074, clause 13.2 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> ▪ 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).
<ul style="list-style-type: none"> ▪ For conducted and cabinet radiation measurement, refer as KDB 558074, clause 12.2.2. 	
	<ul style="list-style-type: none"> ▪ 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
	<ul style="list-style-type: none"> ▪ 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

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHN ER	RG213/U	0761183202000 1	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Puls e Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2015	20/Oct/2016

NCR : Non-Calibration Require

Instrument for Radiated Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP40	100593	9kHz - 40GHz	26/Oct/2016	25/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz-1GHz	21/Oct/2016	20/Oct/2017
3m Semi Anechoic	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz ~ 18GHz	12/Dec/2016	11/Dec/2017
Amplifier	Agilent	8447D	2944A11149	100kHz-1.3GHz	01/Jul/2016	30/Jun/2017
Amplifier	Agilent	8447D	2944A11149	100KHz-1.3GHz	29/Jun/2017	28/Jun/2018
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	02/Sep/2016	01/Sep/2017
Horn Antenna	SCHWARZBEC K	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	25/Apr/2017	24/Apr/2018
Horn Antenna	SCHWARZBEC K	BBHA9170	BBHA9170154	15GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Loop Antenna	TESEQ	HLA 6120	31244	9kHz-30MHz	02/Mar/2017	01/Mar/2018
RF Cable-high	SUHNER	SUCOFLEX104	MY34918/4	1GHz ~ 40GHz	26/Jan/2017	25/Jan/2018
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz ~ 1GHz	26/Jan/2017	25/Jan/2018
Receiver	R&S	ESU-26	100422/026	20Hz ~ 26.5GHz	21/Sep/2016	20/Sep/2017



Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSP 40	100305	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	1339407	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Power Meter	Anritsu	ML2495A	1517010	300MHz ~ 40GHz	27/Oct/2016	26/Oct/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	21/Jul/2016	20/Jul/2017
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	20/Jul/2017	19/Jul/2018
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10710/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.2m	HUBER+SUHNER	SUCOFLEX_104	MY10709/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10713/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017

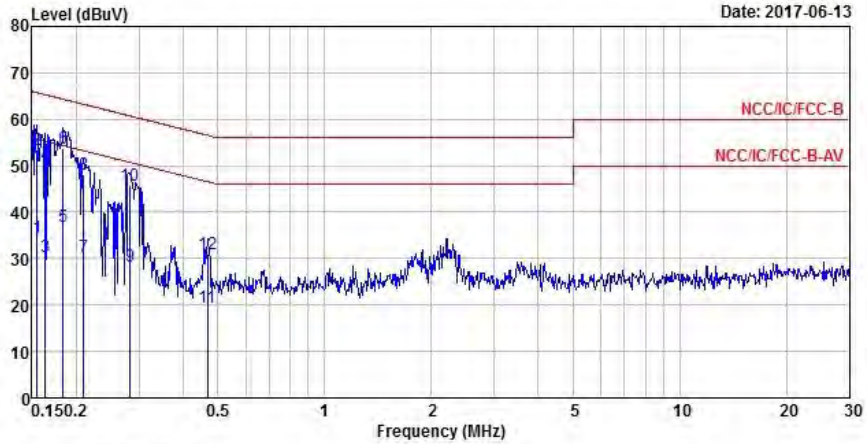


AC Power-line Conducted Emissions Result																																																																																																																																										
Operating Mode	1	Power Phase	Neutral																																																																																																																																							
Operating Function	USB mode																																																																																																																																									
Date: 2017-06-13																																																																																																																																										
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over</th> <th>Limit</th> <th>Read</th> <th>LISN</th> <th>Cable</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</th> <th>Limit</th> <th>Line</th> <th>Level</th> <th>Factor</th> <th>Loss</th> <th></th> </tr> <tr> <th></th> <th></th> <th></th> <th>dB</th> <th>dBuV</th> <th>dBuV</th> <th>dB</th> <th>dB</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>0.16</td> <td>39.84</td> <td>-15.72</td> <td>55.56</td> <td>30.00</td> <td>9.61</td> <td>0.23</td> <td>Average</td> </tr> <tr> <td>2</td> <td>0.16</td> <td>46.19</td> <td>-19.37</td> <td>65.56</td> <td>36.35</td> <td>9.61</td> <td>0.23</td> <td>QP</td> </tr> <tr> <td>3</td> <td>0.18</td> <td>39.81</td> <td>-14.52</td> <td>54.33</td> <td>29.88</td> <td>9.65</td> <td>0.28</td> <td>Average</td> </tr> <tr style="border: 2px solid black;"> <td>4 MAX</td> <td>0.18</td> <td>54.79</td> <td>-9.54</td> <td>64.33</td> <td>44.86</td> <td>9.65</td> <td>0.28</td> <td>QP</td> </tr> <tr> <td>5</td> <td>0.20</td> <td>34.83</td> <td>-18.62</td> <td>53.45</td> <td>24.87</td> <td>9.67</td> <td>0.29</td> <td>Average</td> </tr> <tr> <td>6</td> <td>0.20</td> <td>47.34</td> <td>-16.11</td> <td>63.45</td> <td>37.38</td> <td>9.67</td> <td>0.29</td> <td>QP</td> </tr> <tr> <td>7</td> <td>0.28</td> <td>28.01</td> <td>-22.93</td> <td>50.94</td> <td>18.15</td> <td>9.65</td> <td>0.21</td> <td>Average</td> </tr> <tr> <td>8</td> <td>0.28</td> <td>44.40</td> <td>-16.54</td> <td>60.94</td> <td>34.54</td> <td>9.65</td> <td>0.21</td> <td>QP</td> </tr> <tr> <td>9</td> <td>0.47</td> <td>22.66</td> <td>-23.93</td> <td>46.59</td> <td>12.94</td> <td>9.62</td> <td>0.10</td> <td>Average</td> </tr> <tr> <td>10</td> <td>0.47</td> <td>30.84</td> <td>-25.75</td> <td>56.59</td> <td>21.12</td> <td>9.62</td> <td>0.10</td> <td>QP</td> </tr> <tr> <td>11</td> <td>2.20</td> <td>19.97</td> <td>-26.03</td> <td>46.00</td> <td>10.04</td> <td>9.66</td> <td>0.27</td> <td>Average</td> </tr> <tr> <td>12</td> <td>2.20</td> <td>29.86</td> <td>-26.14</td> <td>56.00</td> <td>19.93</td> <td>9.66</td> <td>0.27</td> <td>QP</td> </tr> </tbody> </table>					Freq	Level	Over	Limit	Read	LISN	Cable	Remark		MHz	dBuV	Limit	Line	Level	Factor	Loss					dB	dBuV	dBuV	dB	dB		1	0.16	39.84	-15.72	55.56	30.00	9.61	0.23	Average	2	0.16	46.19	-19.37	65.56	36.35	9.61	0.23	QP	3	0.18	39.81	-14.52	54.33	29.88	9.65	0.28	Average	4 MAX	0.18	54.79	-9.54	64.33	44.86	9.65	0.28	QP	5	0.20	34.83	-18.62	53.45	24.87	9.67	0.29	Average	6	0.20	47.34	-16.11	63.45	37.38	9.67	0.29	QP	7	0.28	28.01	-22.93	50.94	18.15	9.65	0.21	Average	8	0.28	44.40	-16.54	60.94	34.54	9.65	0.21	QP	9	0.47	22.66	-23.93	46.59	12.94	9.62	0.10	Average	10	0.47	30.84	-25.75	56.59	21.12	9.62	0.10	QP	11	2.20	19.97	-26.03	46.00	10.04	9.66	0.27	Average	12	2.20	29.86	-26.14	56.00	19.93	9.66	0.27	QP
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark																																																																																																																																		
	MHz	dBuV	Limit	Line	Level	Factor	Loss																																																																																																																																			
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2	0.16	46.19	-19.37	65.56	36.35	9.61	0.23	QP																																																																																																																																		
3	0.18	39.81	-14.52	54.33	29.88	9.65	0.28	Average																																																																																																																																		
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9	0.47	22.66	-23.93	46.59	12.94	9.62	0.10	Average																																																																																																																																		
10	0.47	30.84	-25.75	56.59	21.12	9.62	0.10	QP																																																																																																																																		
11	2.20	19.97	-26.03	46.00	10.04	9.66	0.27	Average																																																																																																																																		
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<p>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.)</p>																																																																																																																																										



AC Power-line Conducted Emissions Result

Operating Mode	1	Power Phase	Line
Operating Function	USB mode		



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.15	34.52	-21.22	55.74	24.63	9.66	0.23	Average
2	0.15	53.36	-12.38	65.74	43.47	9.66	0.23	QP
3	0.16	30.55	-24.75	55.30	20.65	9.66	0.24	Average
4	0.16	50.26	-15.04	65.30	40.36	9.66	0.24	QP
5	0.18	36.85	-17.48	54.33	26.92	9.65	0.28	Average
6 MAX	0.18	53.59	-10.74	64.33	43.66	9.65	0.28	QP
7	0.21	30.28	-22.95	53.23	20.34	9.65	0.29	Average
8	0.21	48.24	-14.99	63.23	38.30	9.65	0.29	QP
9	0.28	28.28	-22.44	50.72	18.42	9.66	0.20	Average
10	0.28	45.80	-14.92	60.72	35.94	9.66	0.20	QP
11	0.47	19.52	-27.02	46.54	9.75	9.67	0.10	Average
12	0.47	31.07	-25.47	56.54	21.30	9.67	0.10	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

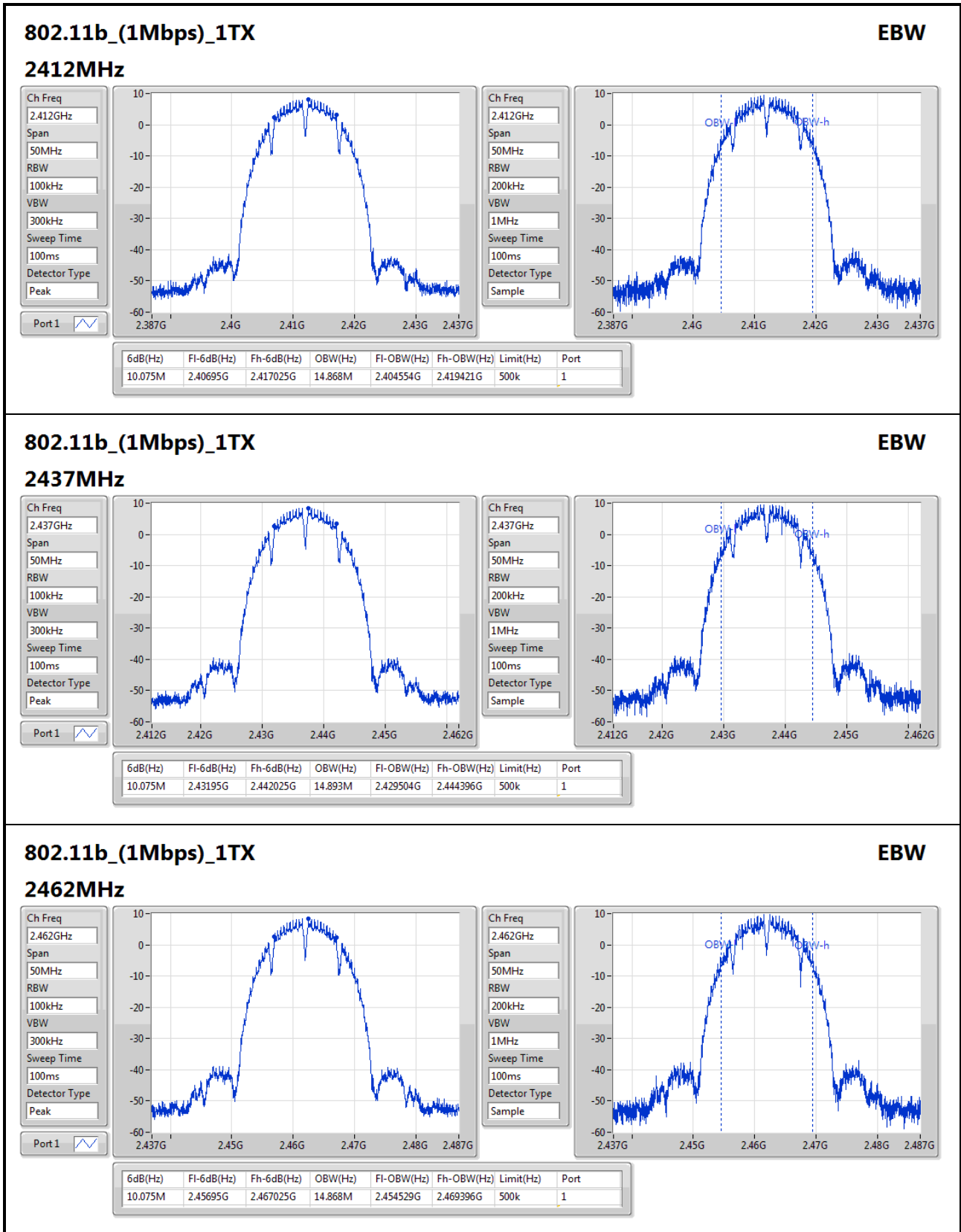
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	10.075M	14.893M	14M9G1D	10.075M	14.868M
802.11g_(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.55M	16.617M	16M6D1D	16.525M	16.517M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.675M	17.666M	17M7D1D	17.6M	17.616M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	36.4M	36.232M	36M2D1D	36.35M	36.132M

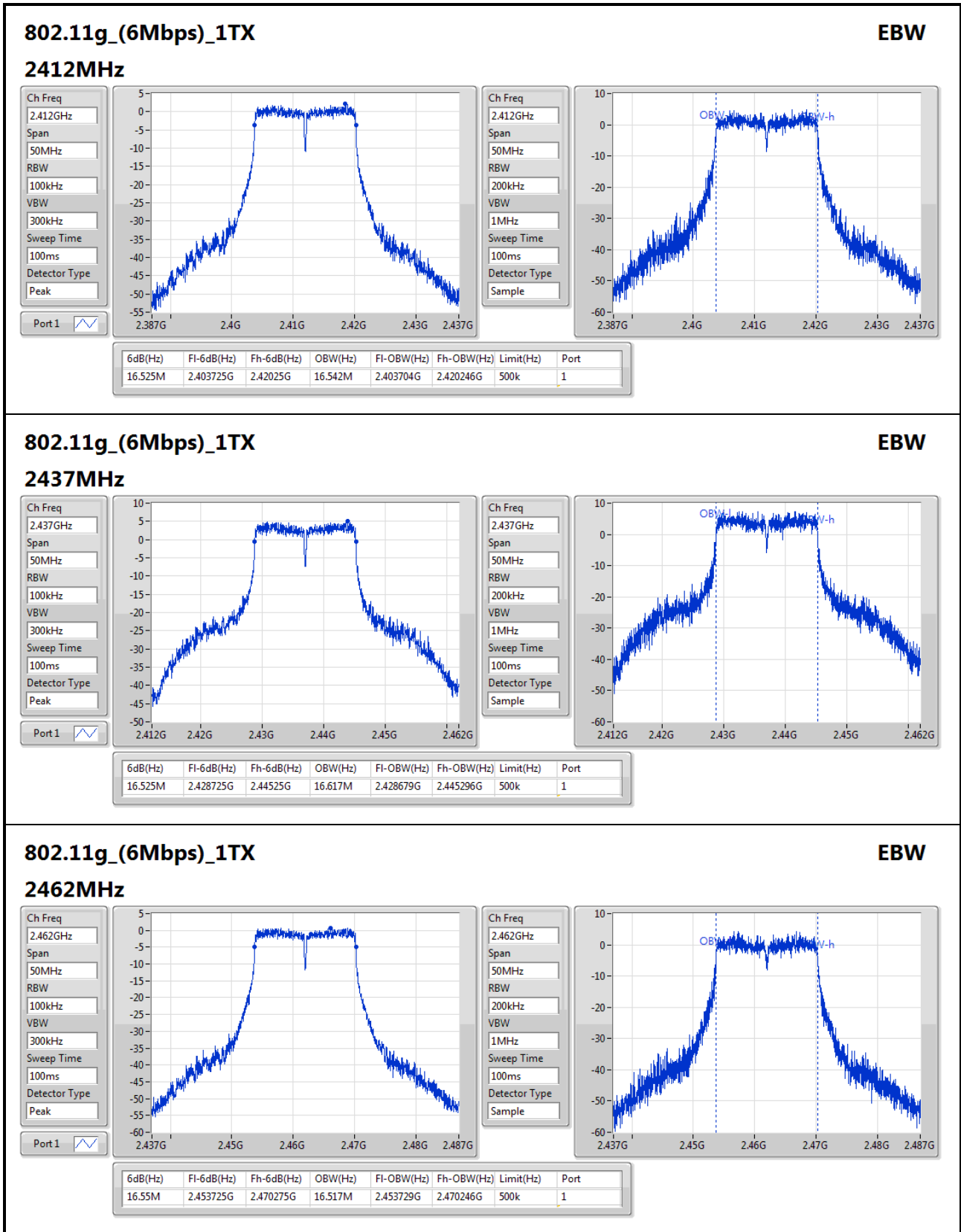
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth;

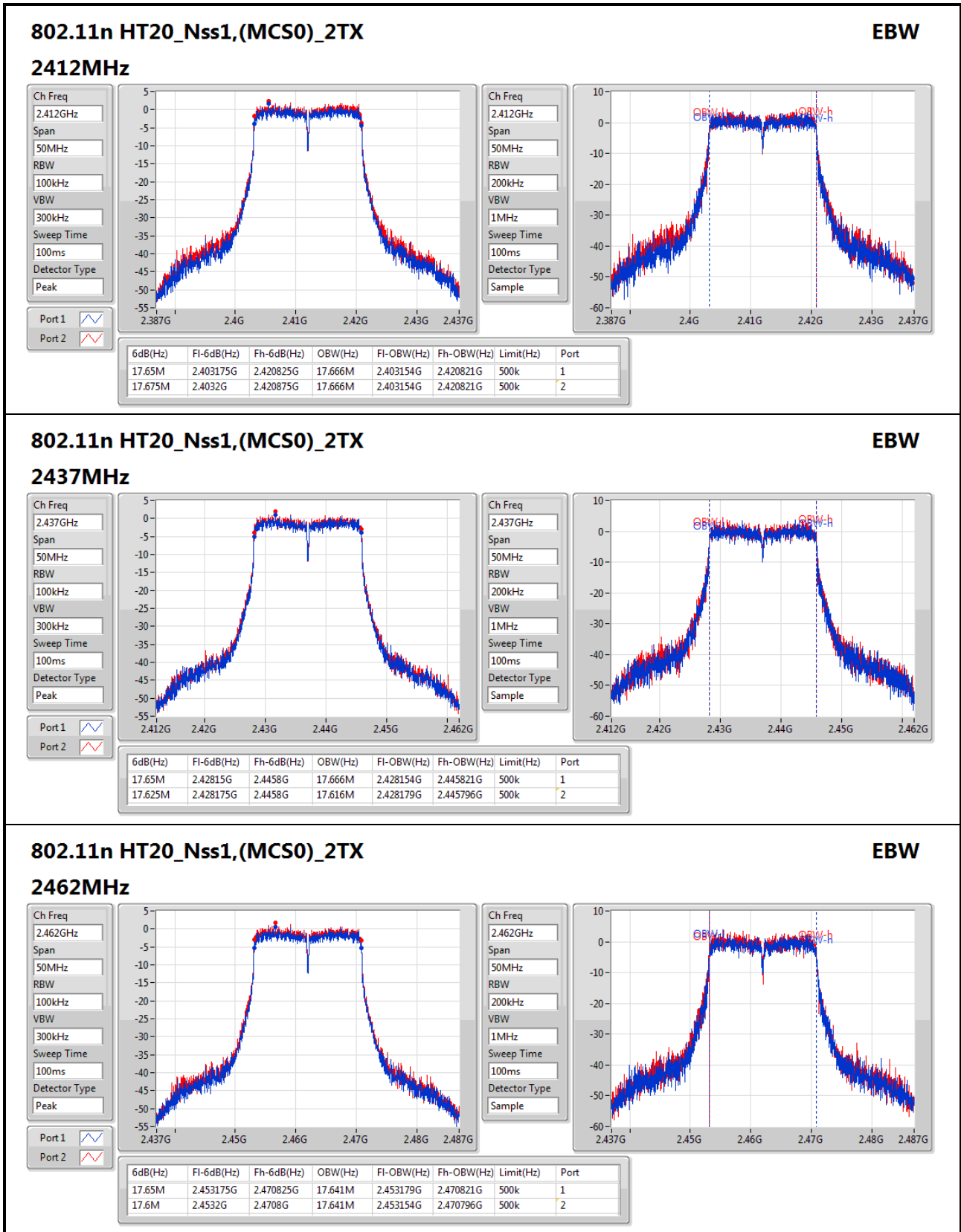
Result

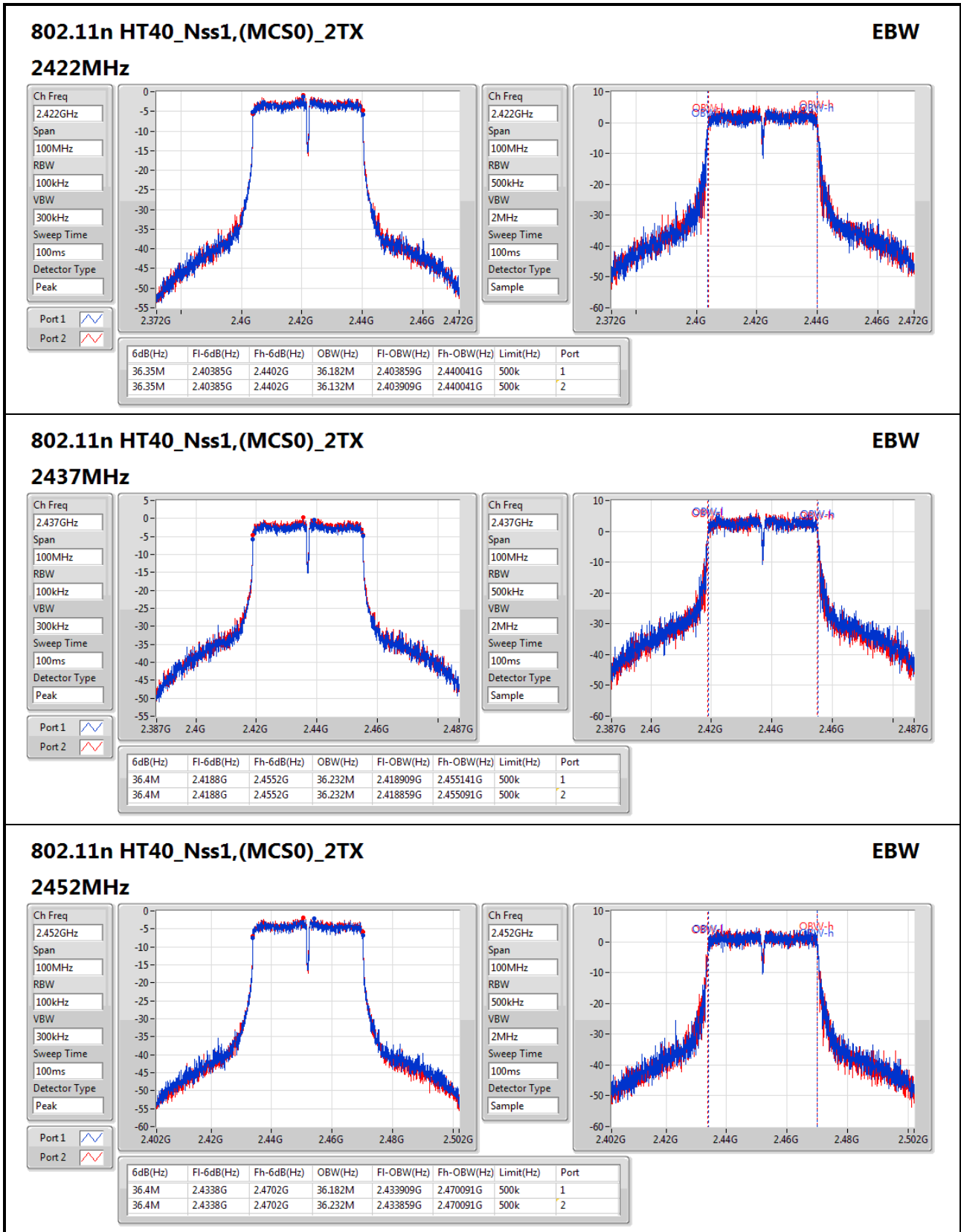
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	10.075M	14.868M		
2437MHz_TnomVnom	Pass	500k	10.075M	14.893M		
2462MHz_TnomVnom	Pass	500k	10.075M	14.868M		
802.11g_(6Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.525M	16.542M		
2437MHz_TnomVnom	Pass	500k	16.525M	16.617M		
2462MHz_TnomVnom	Pass	500k	16.55M	16.517M		
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.65M	17.666M	17.675M	17.666M
2437MHz_TnomVnom	Pass	500k	17.65M	17.666M	17.625M	17.616M
2462MHz_TnomVnom	Pass	500k	17.65M	17.641M	17.6M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.35M	36.182M	36.35M	36.132M
2437MHz_TnomVnom	Pass	500k	36.4M	36.232M	36.4M	36.232M
2452MHz_TnomVnom	Pass	500k	36.4M	36.182M	36.4M	36.232M

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











Summary

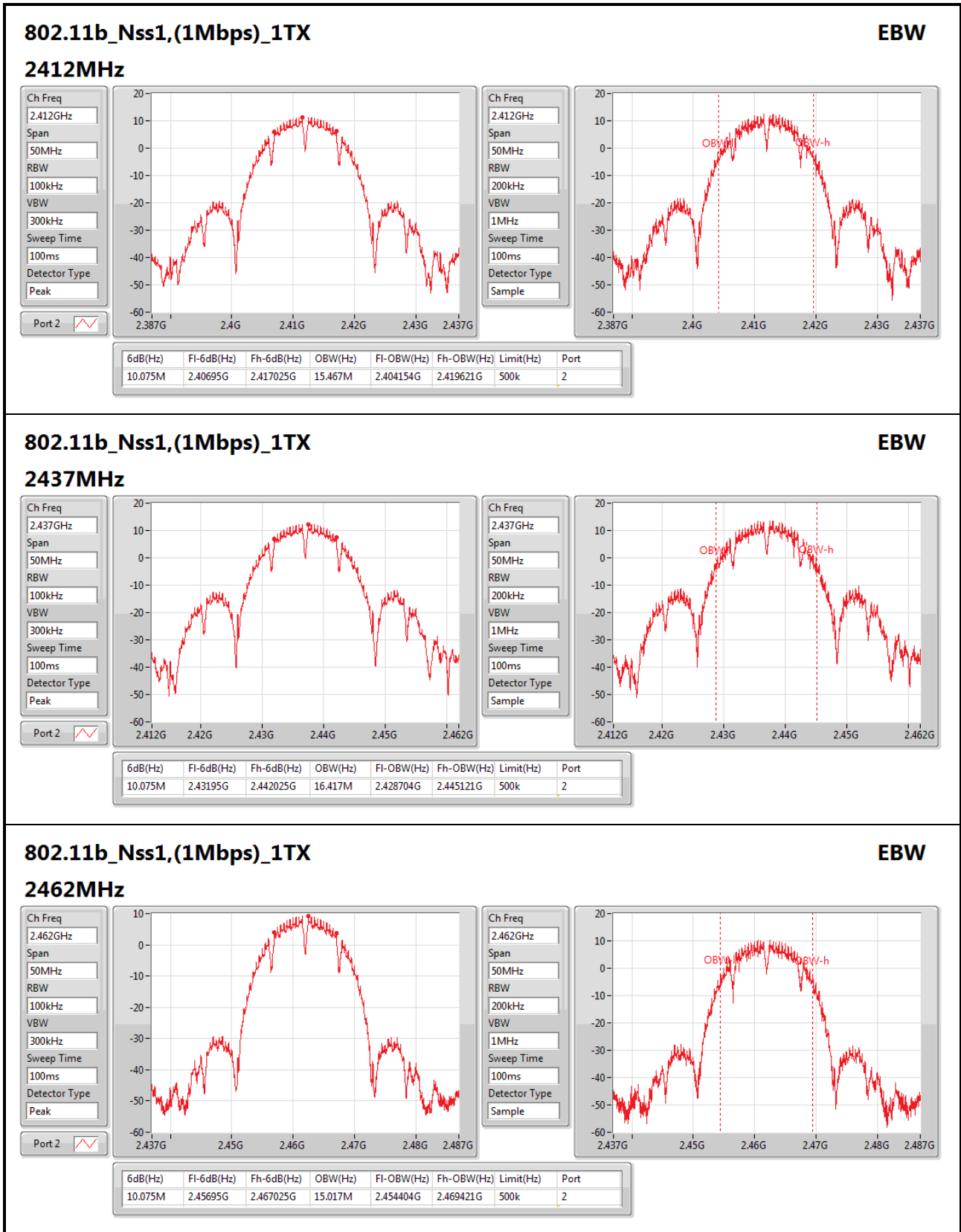
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	10.075M	16.417M	16M4G1D	10.075M	15.017M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2.4-2.4835GHz	16.55M	18.991M	19M0D1D	16.45M	16.542M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	17.725M	17.716M	17M7D1D	17.625M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-
2.4-2.4835GHz	36.5M	36.232M	36M2D1D	36.4M	36.132M

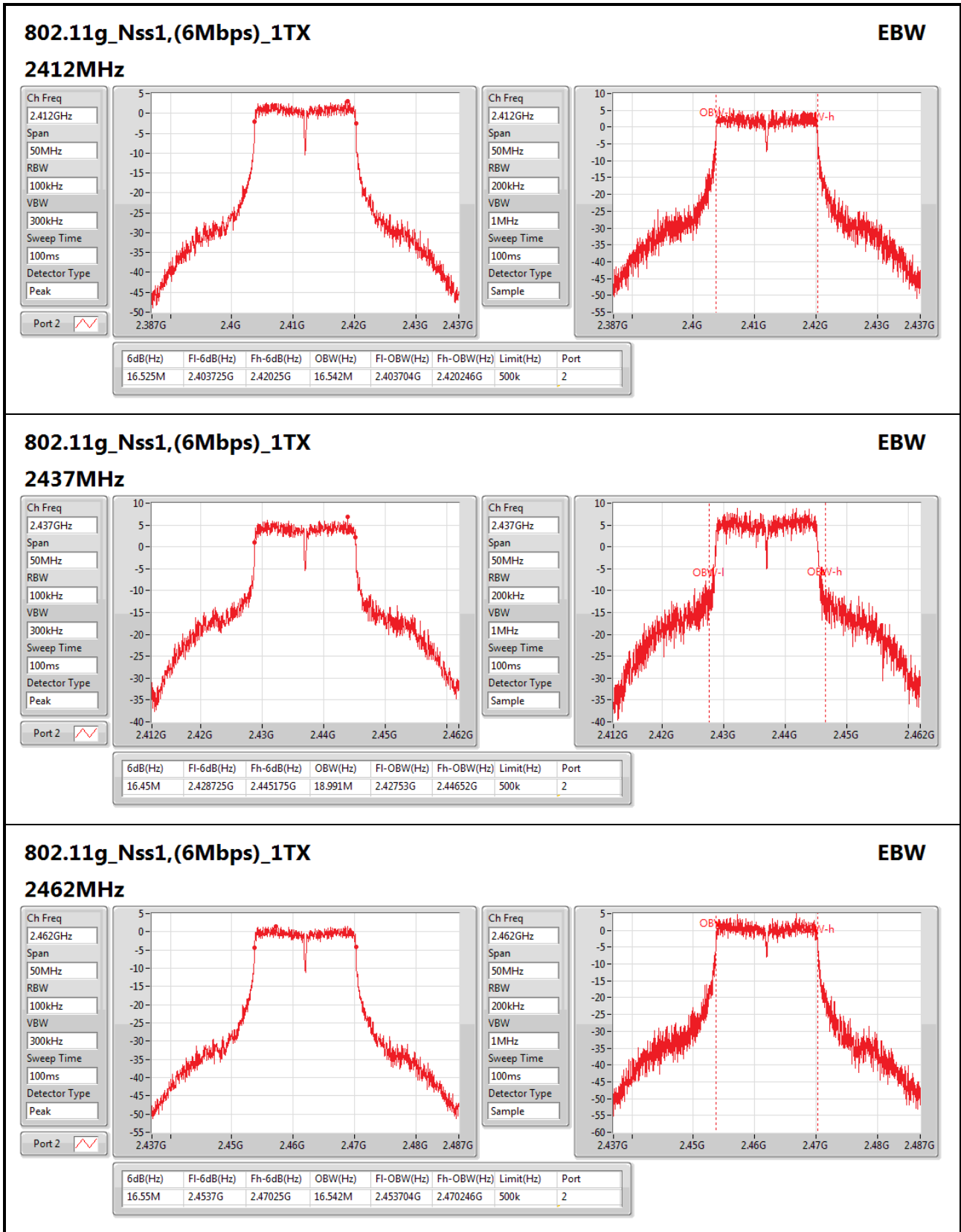
Max-N dB = Maximum 6dB down bandwidth; Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth; Min-OBW = Minimum 99% occupied bandwidth;

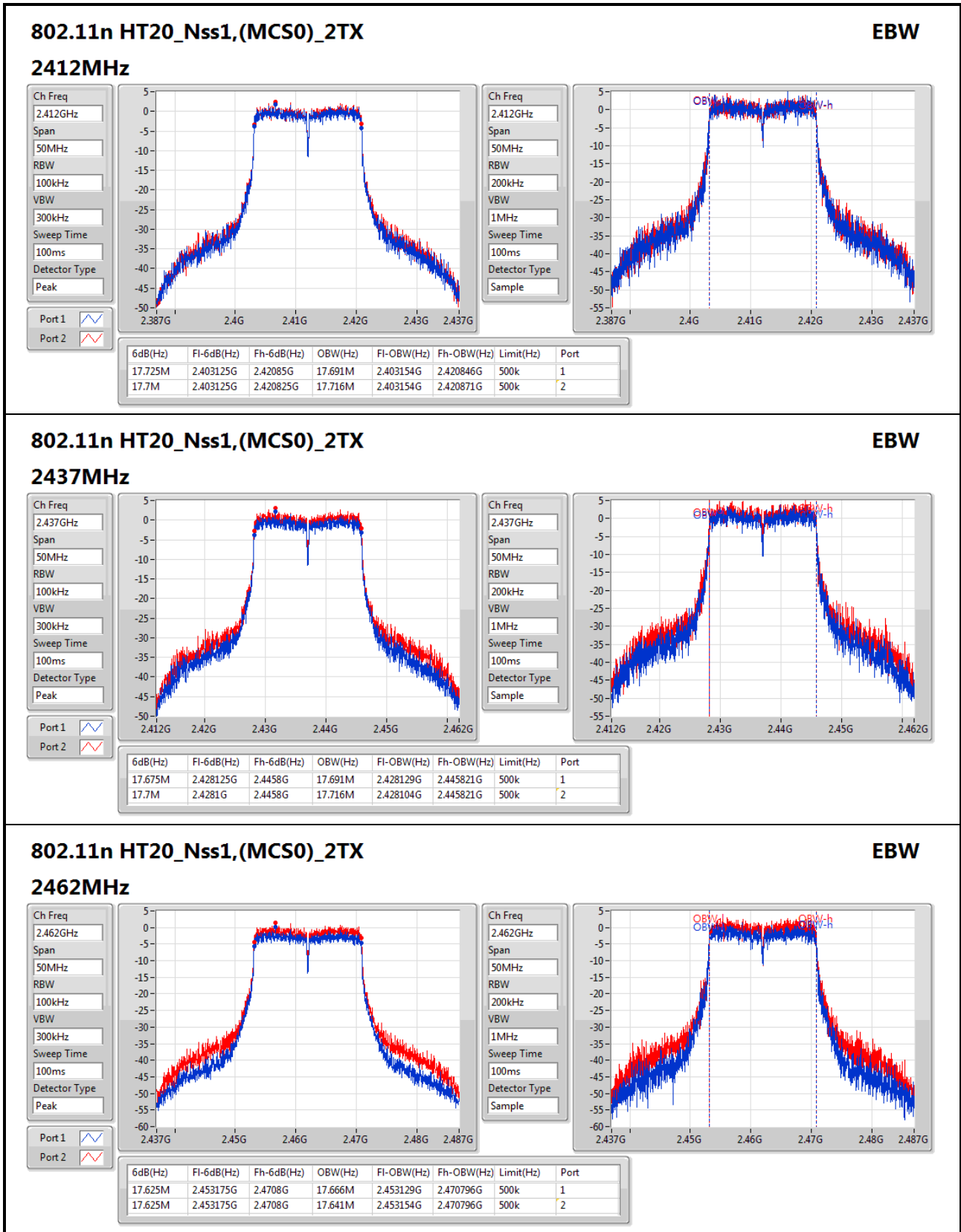
Result

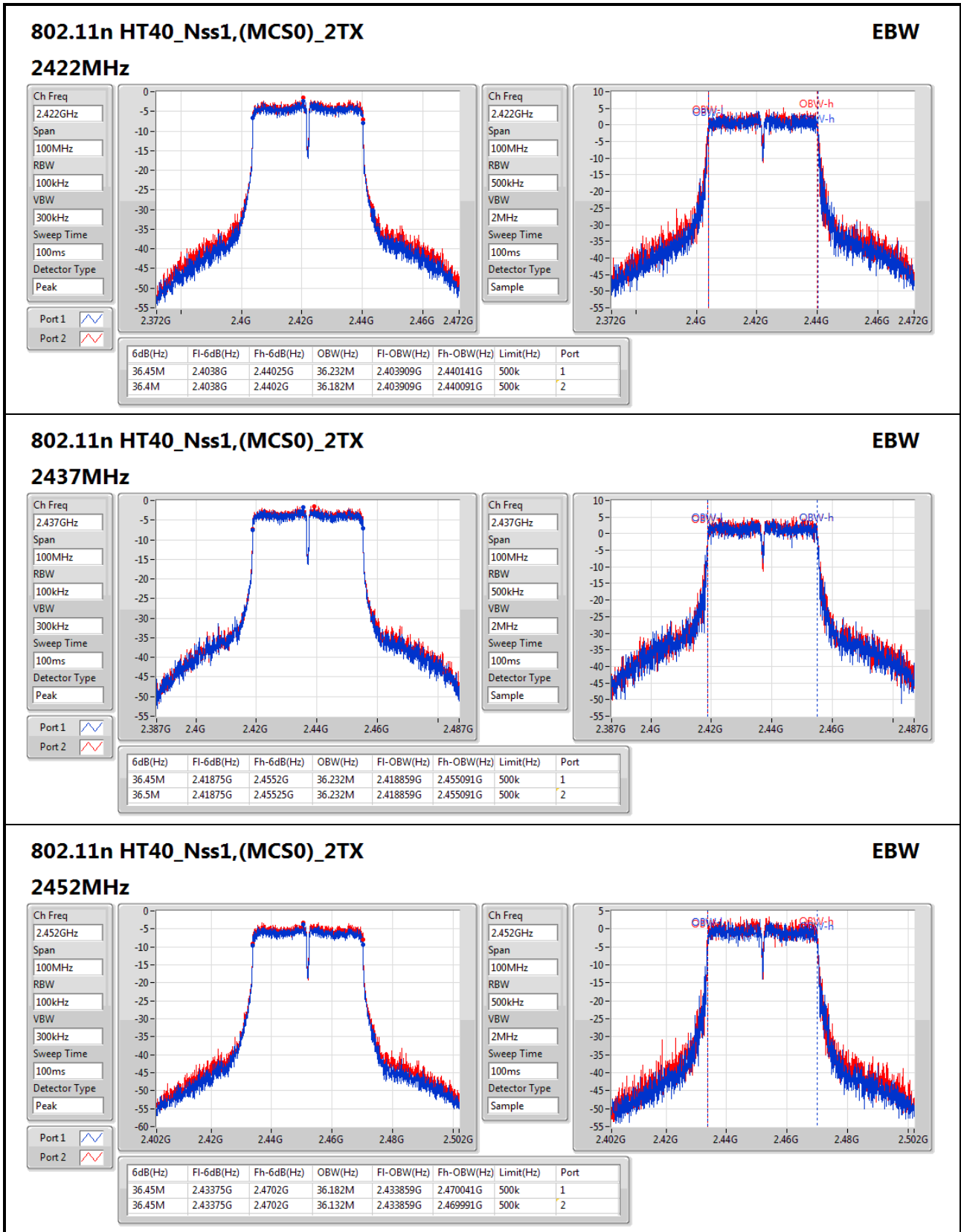
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k			10.075M	15.467M
2437MHz_TnomVnom	Pass	500k			10.075M	16.417M
2462MHz_TnomVnom	Pass	500k			10.075M	15.017M
802.11g_Nss1,(6Mbps)_1TX	-	-			-	-
2412MHz_TnomVnom	Pass	500k			16.525M	16.542M
2437MHz_TnomVnom	Pass	500k			16.45M	18.991M
2462MHz_TnomVnom	Pass	500k			16.55M	16.542M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.725M	17.691M	17.7M	17.716M
2437MHz_TnomVnom	Pass	500k	17.675M	17.691M	17.7M	17.716M
2462MHz_TnomVnom	Pass	500k	17.625M	17.666M	17.625M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	36.45M	36.232M	36.4M	36.182M
2437MHz_TnomVnom	Pass	500k	36.45M	36.232M	36.5M	36.232M
2452MHz_TnomVnom	Pass	500k	36.45M	36.182M	36.45M	36.132M

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











Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_1TX	-	-
2.4-2.4835GHz	20.16	0.10375
802.11g_(6Mbps)_1TX	-	-
2.4-2.4835GHz	20.34	0.10814
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	20.30	0.10715
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	20.17	0.10399

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	19.91	-	19.91	30.00
2437MHz_TnomVnom	Pass	2.60	20.16	-	20.16	30.00
2462MHz_TnomVnom	Pass	2.60	20.10	-	20.10	30.00
802.11g_(6Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	17.59	-	17.59	30.00
2437MHz_TnomVnom	Pass	2.60	20.34	-	20.34	30.00
2462MHz_TnomVnom	Pass	2.60	16.61	-	16.61	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	16.68	17.33	20.03	30.00
2437MHz_TnomVnom	Pass	2.60	16.88	17.66	20.30	30.00
2462MHz_TnomVnom	Pass	2.60	16.84	17.41	20.14	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.60	16.17	16.24	19.22	30.00
2437MHz_TnomVnom	Pass	2.60	17.08	17.25	20.17	30.00
2452MHz_TnomVnom	Pass	2.60	15.21	15.41	18.32	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_Nss1,(1Mbps)_1TX	-	-
2.4-2.4835GHz	23.12	0.20512
802.11g_Nss1,(6Mbps)_1TX	-	-
2.4-2.4835GHz	20.96	0.12474
802.11n HT20_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.90	0.09772
802.11n HT40_Nss1,(MCS0)_2TX	-	-
2.4-2.4835GHz	19.59	0.09099

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60		21.98	21.98	30.00
2437MHz_TnomVnom	Pass	2.60		23.12	23.12	30.00
2462MHz_TnomVnom	Pass	2.60		19.83	19.83	30.00
802.11g_Nss1,(6Mbps)_1TX	-	-		-	-	-
2412MHz_TnomVnom	Pass	2.60		17.55	17.55	30.00
2437MHz_TnomVnom	Pass	2.60		20.96	20.96	30.00
2462MHz_TnomVnom	Pass	2.60		16.25	16.25	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	16.24	16.57	19.42	30.00
2437MHz_TnomVnom	Pass	2.60	16.18	17.50	19.90	30.00
2462MHz_TnomVnom	Pass	2.60	14.42	16.10	18.35	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.60	15.29	16.35	18.86	30.00
2437MHz_TnomVnom	Pass	2.60	16.33	16.81	19.59	30.00
2452MHz_TnomVnom	Pass	2.60	13.68	15.03	17.42	30.00

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



Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_1TX 2.4-2.4835GHz	- -10.18
802.11g_(6Mbps)_1TX 2.4-2.4835GHz	- -8.32
802.11n HT20_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -7.50
802.11n HT40_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -11.23

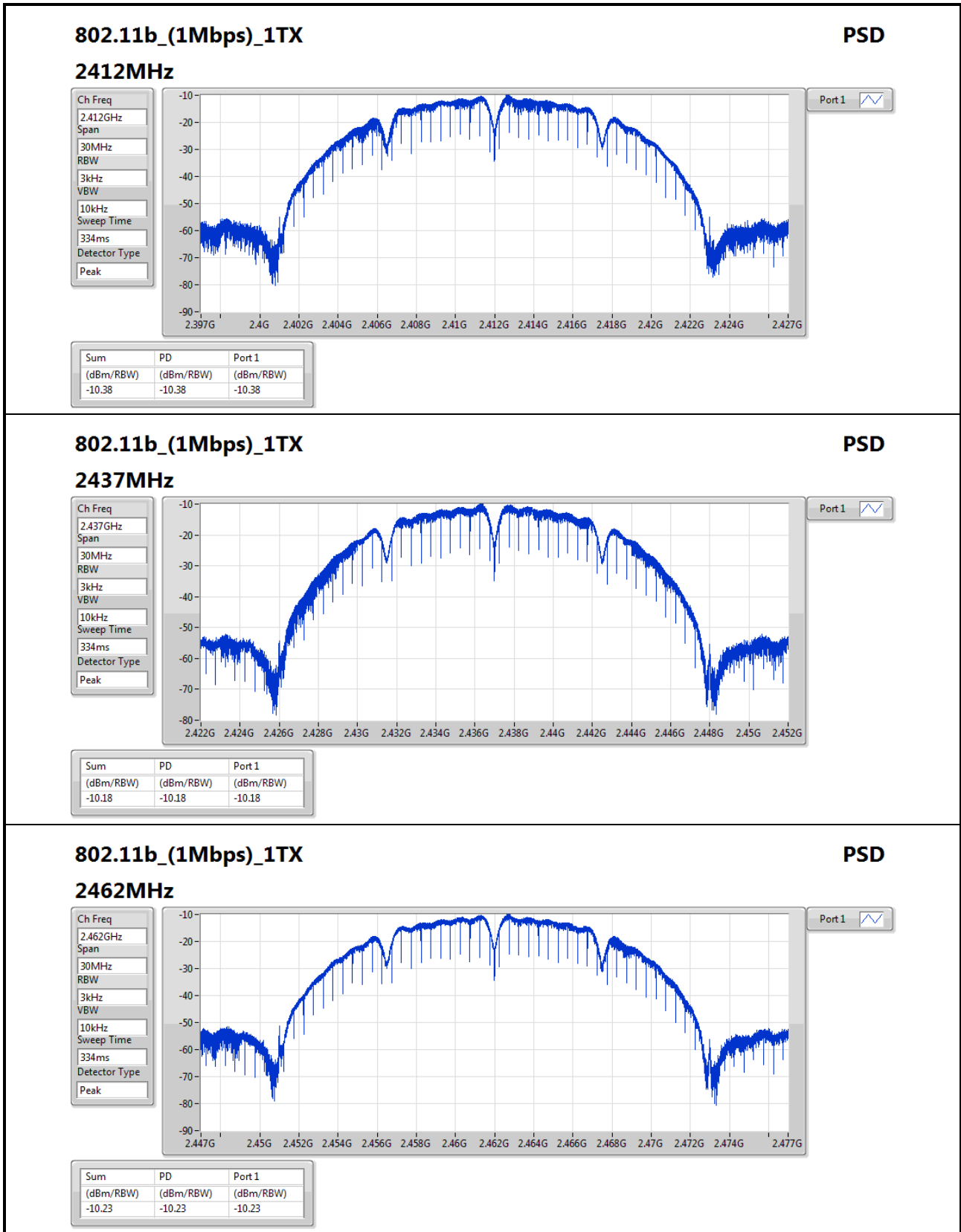
RBW=3kHz.

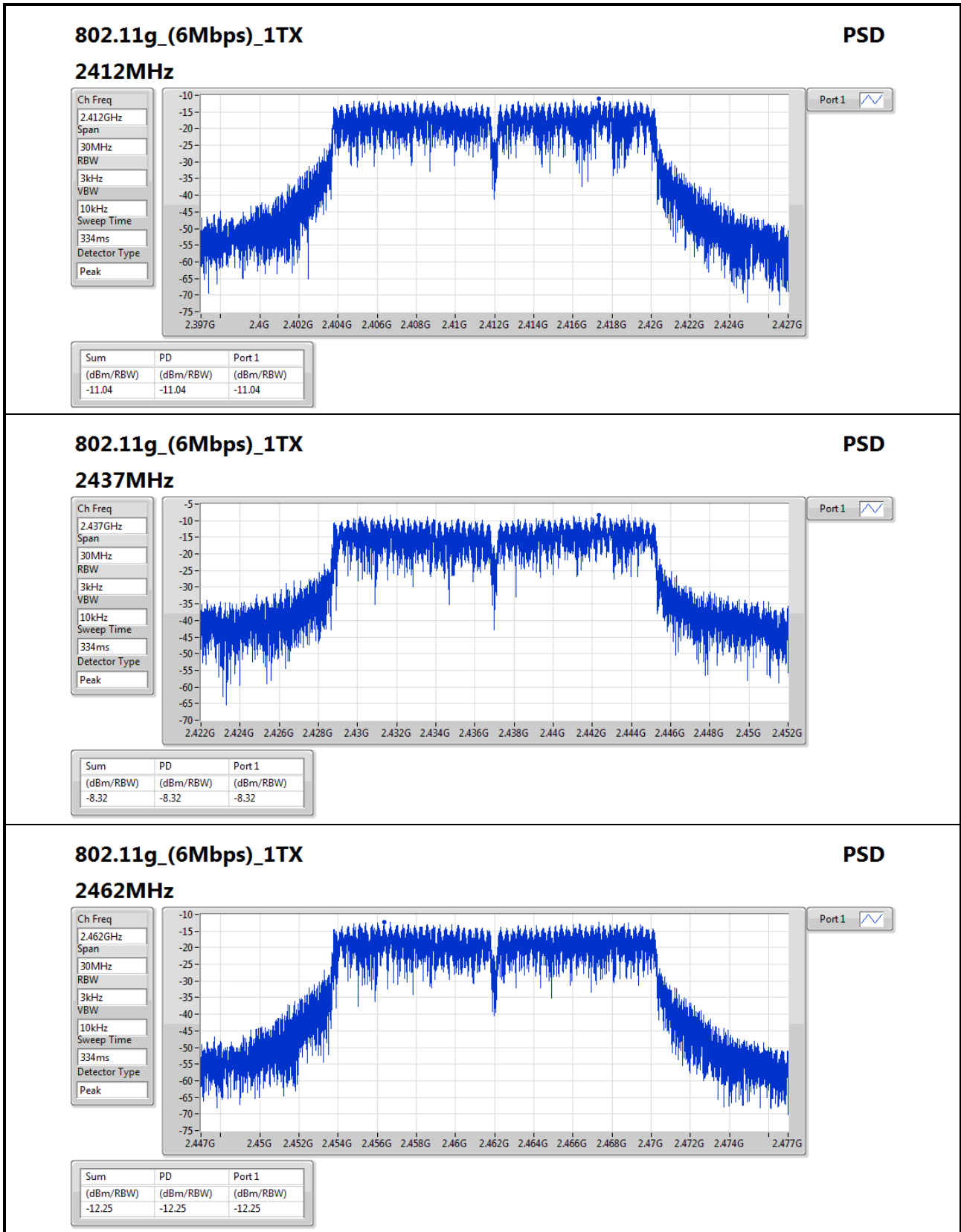
Result

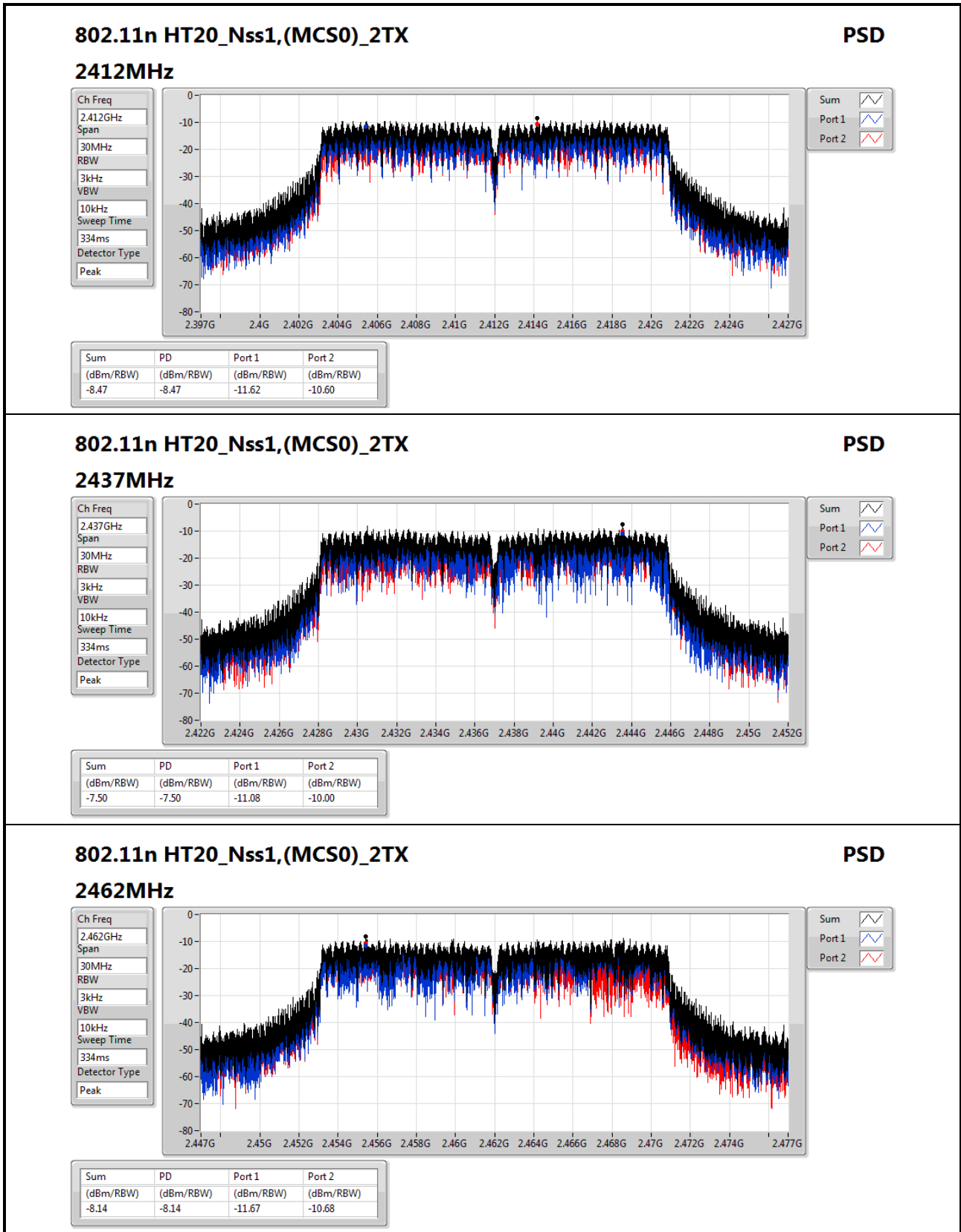
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	-10.38		-10.38	8.00
2437MHz_TnomVnom	Pass	2.60	-10.18		-10.18	8.00
2462MHz_TnomVnom	Pass	2.60	-10.23		-10.23	8.00
802.11g_(6Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	-11.04		-11.04	8.00
2437MHz_TnomVnom	Pass	2.60	-8.32		-8.32	8.00
2462MHz_TnomVnom	Pass	2.60	-12.25		-12.25	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.63	-11.62	-10.60	-8.47	8.00
2437MHz_TnomVnom	Pass	4.63	-11.08	-10.00	-7.50	8.00
2462MHz_TnomVnom	Pass	4.63	-11.67	-10.68	-8.14	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.63	-12.18	-13.37	-11.55	8.00
2437MHz_TnomVnom	Pass	4.63	-12.45	-12.34	-11.23	8.00
2452MHz_TnomVnom	Pass	4.63	-15.64	-13.52	-11.61	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;






802.11n HT20_Nss1,(MCS0)_2TX
PSD
2462MHz

Ch Freq
2.462GHz

Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
334ms

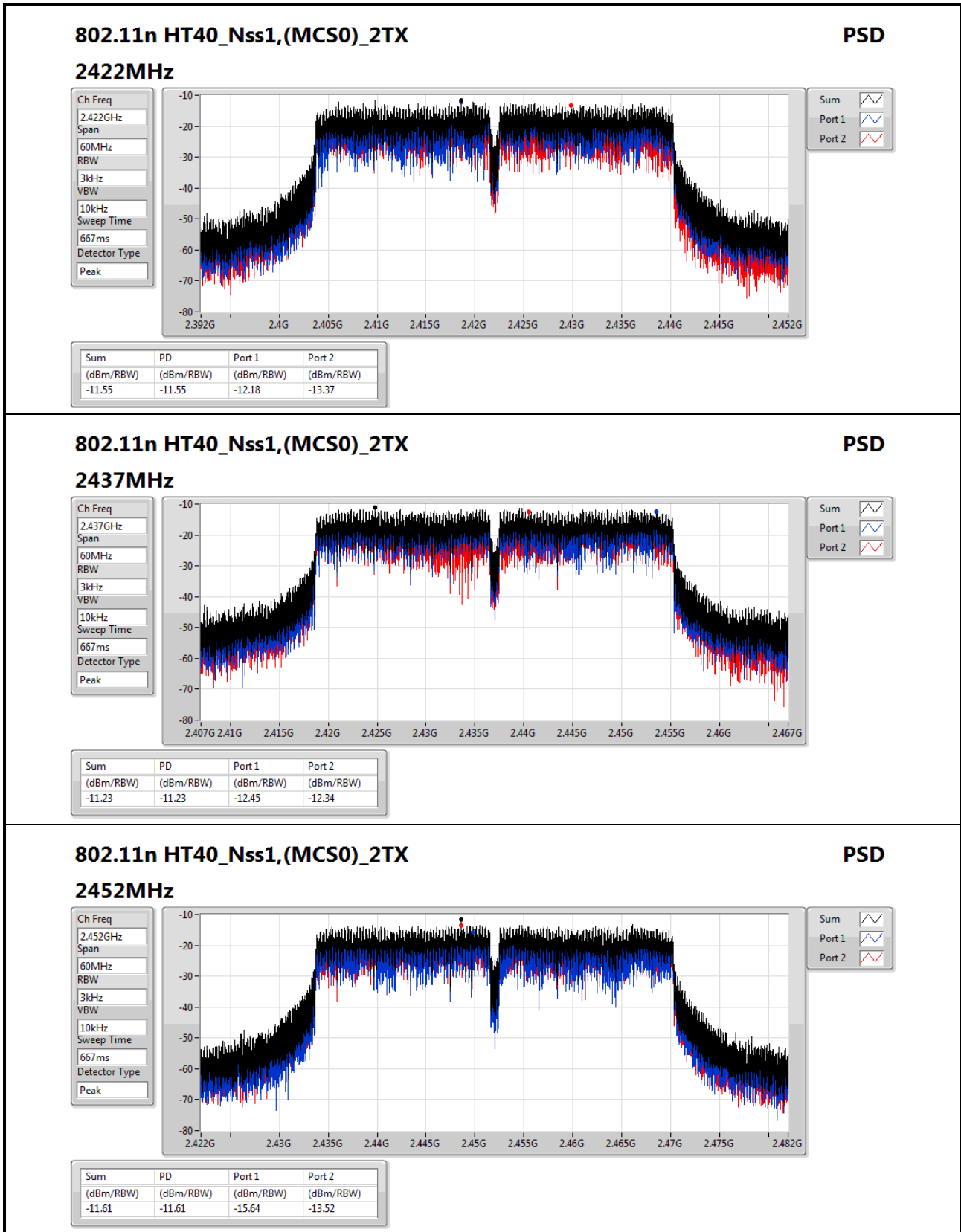
Detector Type
Peak

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.14	-8.14	-11.67	-10.68


802.11n HT40_Nss1,(MCS0)_2TX
PSD

2452MHz

Ch Freq
2.452GHz

Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
667ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.61	-11.61	-15.64	-13.52



Summary

Mode	PD (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX 2.4-2.4835GHz	- -7.92
802.11g_Nss1,(6Mbps)_1TX 2.4-2.4835GHz	- -8.25
802.11n HT20_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -7.85
802.11n HT40_Nss1,(MCS0)_2TX 2.4-2.4835GHz	- -10.56

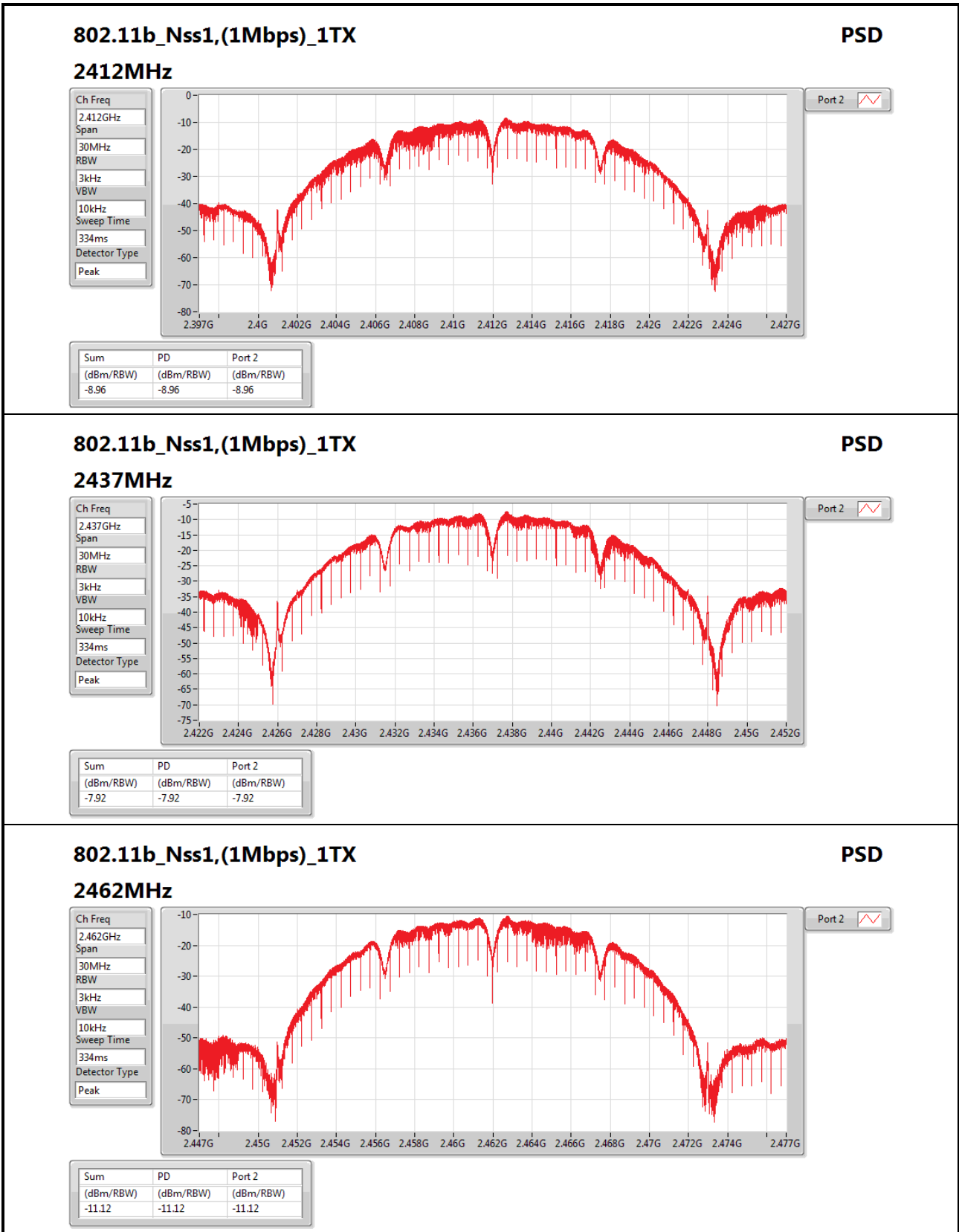
RBW=3kHz.

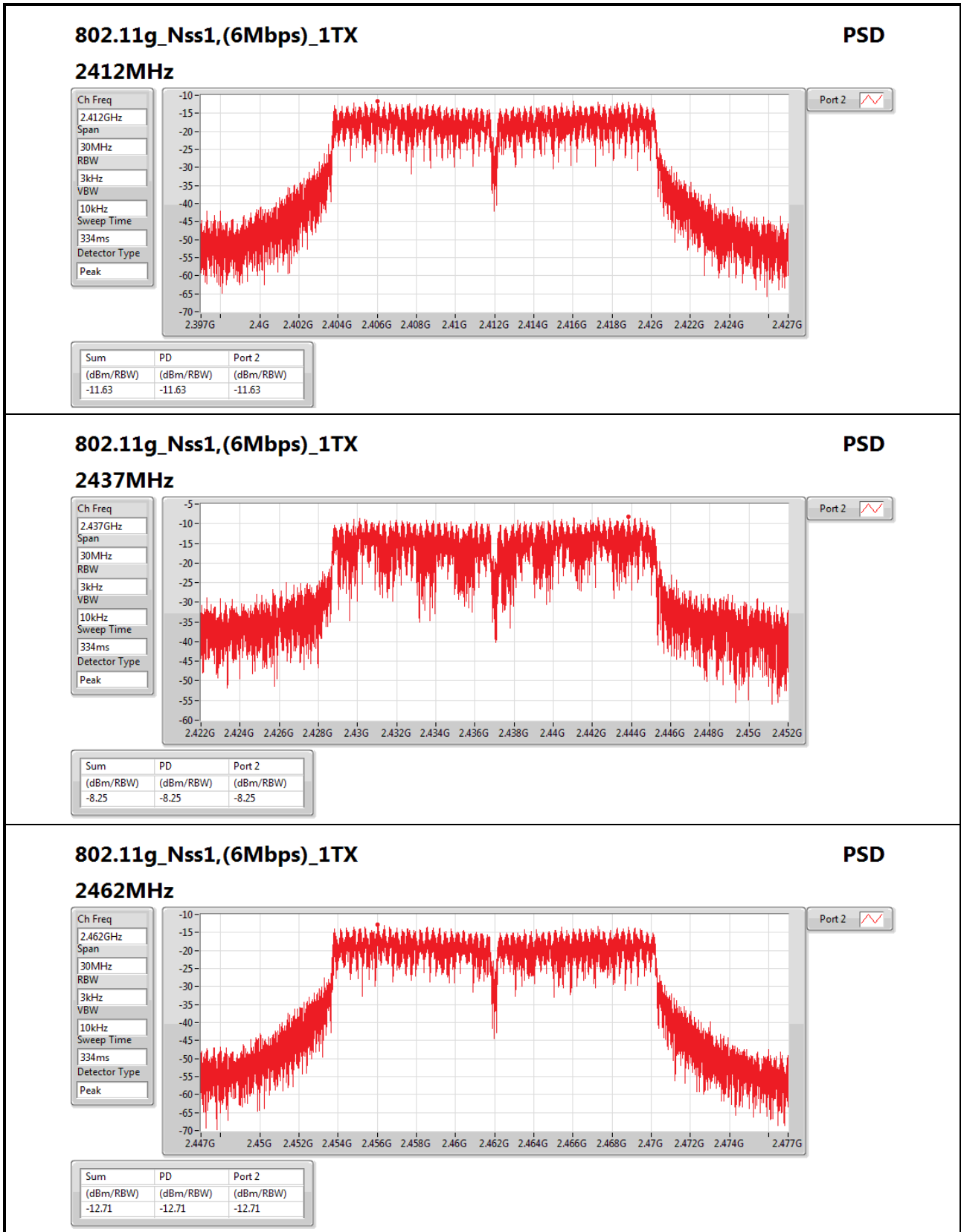
Result

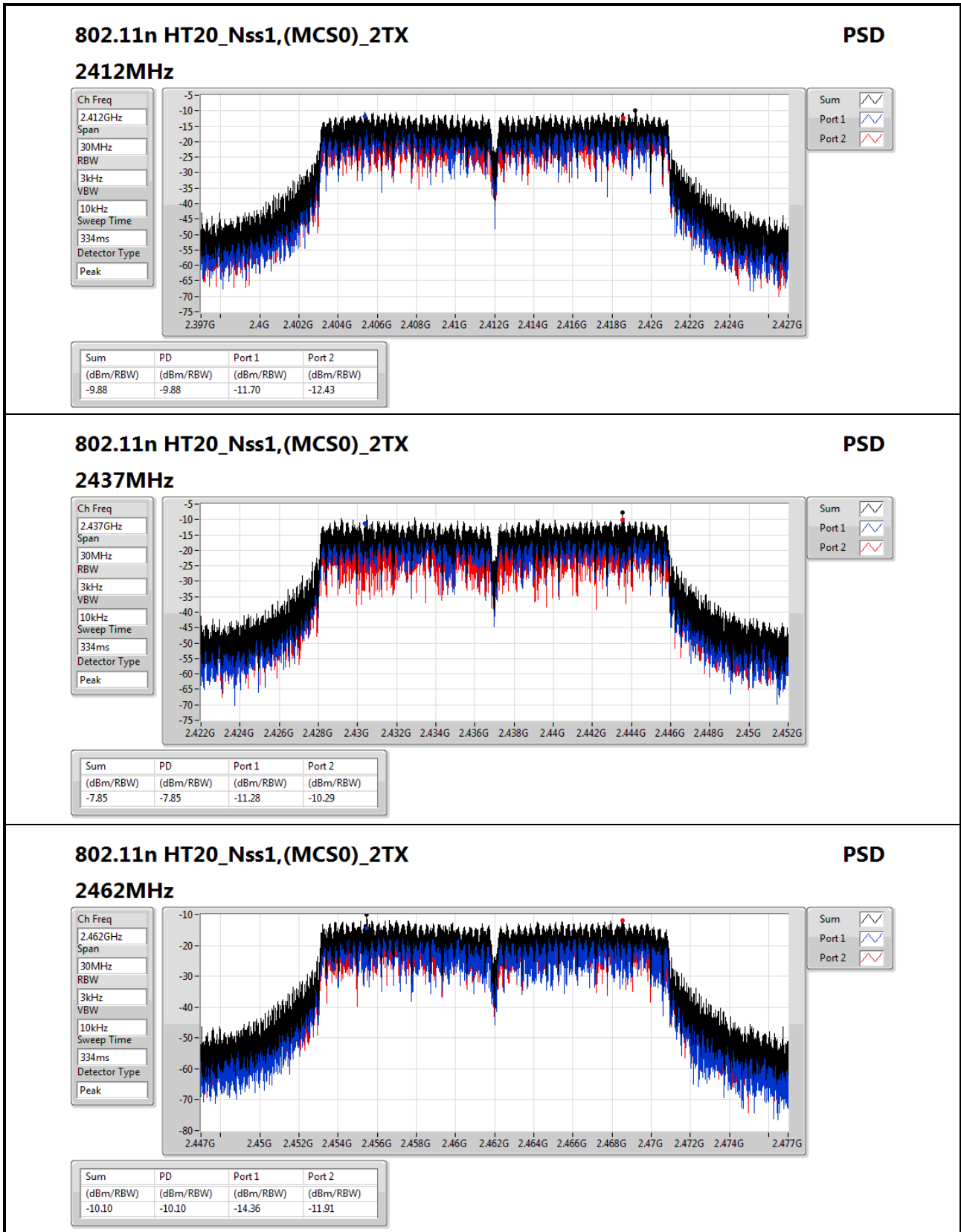
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	-	-8.96	-8.96	8.00
2437MHz_TnomVnom	Pass	2.60	-	-7.92	-7.92	8.00
2462MHz_TnomVnom	Pass	2.60	-	-11.12	-11.12	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.60	-	-11.63	-11.63	8.00
2437MHz_TnomVnom	Pass	2.60	-	-8.25	-8.25	8.00
2462MHz_TnomVnom	Pass	2.60	-	-12.71	-12.71	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	4.63	-11.70	-12.43	-9.88	8.00
2437MHz_TnomVnom	Pass	4.63	-11.28	-10.29	-7.85	8.00
2462MHz_TnomVnom	Pass	4.63	-14.36	-11.91	-10.10	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	4.63	-15.53	-12.57	-12.28	8.00
2437MHz_TnomVnom	Pass	4.63	-14.25	-12.98	-10.56	8.00
2452MHz_TnomVnom	Pass	4.63	-16.46	-16.55	-13.74	8.00

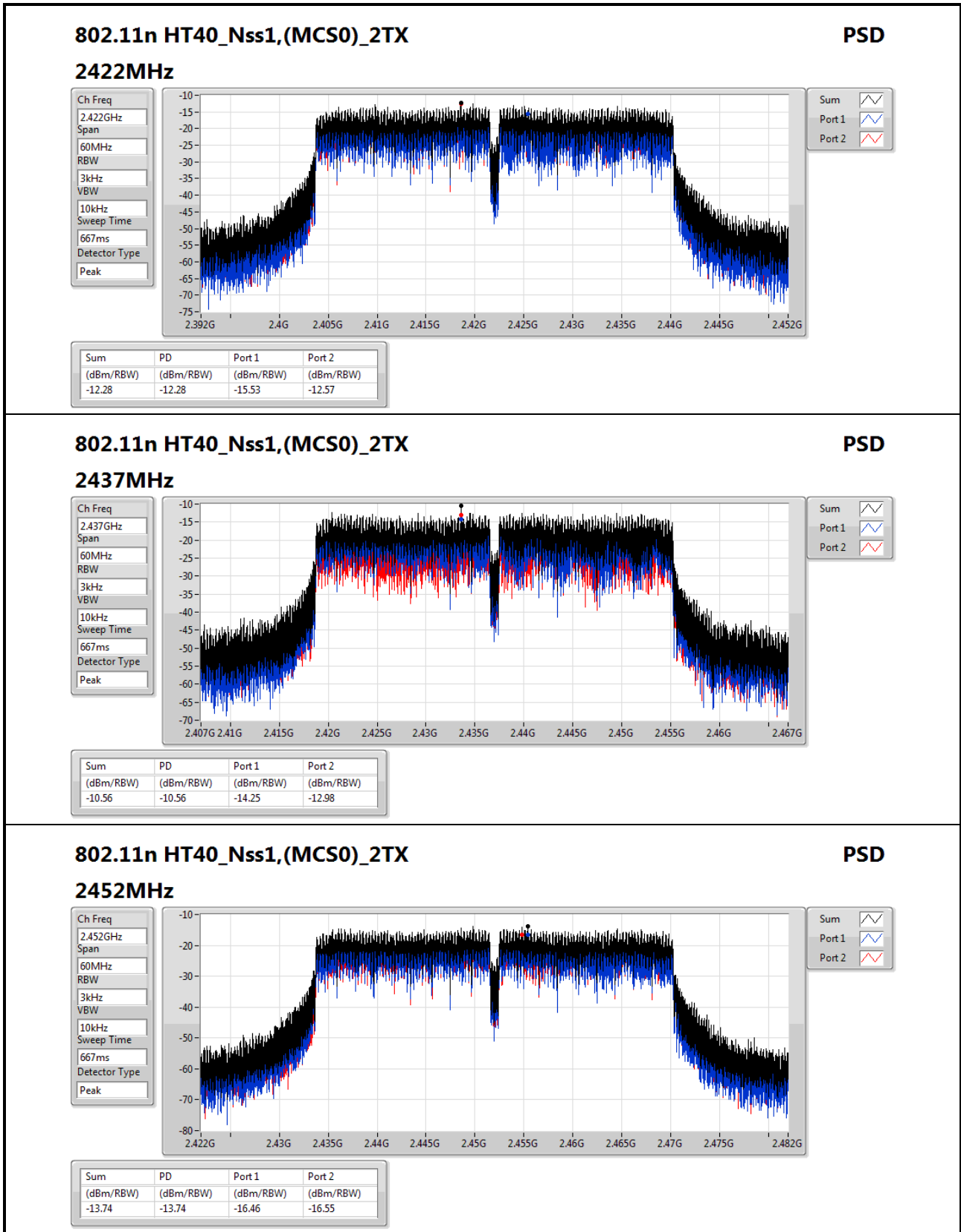
DG = Directional Gain; RBW=3kHz;

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









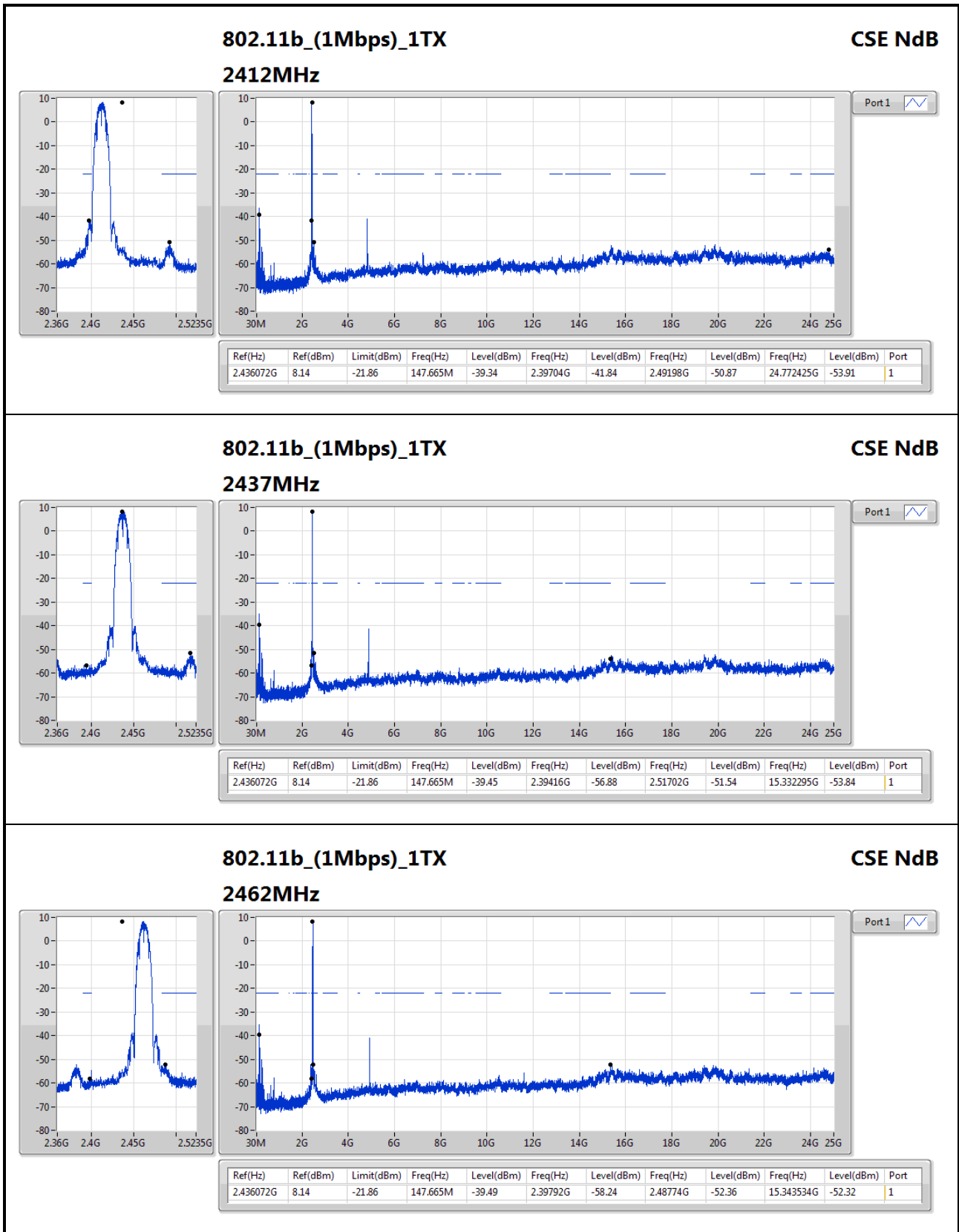


Summary

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.431563G	3.53	-26.47	147.665M	-39.68	2.39952G	-27.79	2.48718G	-53.05	15.079435G	-53.50	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.436072G	8.14	-21.86	147.665M	-39.34	2.39704G	-41.84	2.49198G	-50.87	24.772425G	-53.91	1
2437MHz_TnomVnom	Pass	2.436072G	8.14	-21.86	147.665M	-39.45	2.39416G	-56.88	2.51702G	-51.54	15.332295G	-53.84	1
2462MHz_TnomVnom	Pass	2.436072G	8.14	-21.86	147.665M	-39.49	2.39792G	-58.24	2.48774G	-52.36	15.343534G	-52.32	1
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.443921G	4.90	-25.10	147.665M	-39.17	2.3996G	-29.29	2.49198G	-51.14	15.346343G	-53.19	1
2437MHz_TnomVnom	Pass	2.443921G	4.90	-25.10	147.665M	-39.31	2.39992G	-49.66	2.51702G	-51.85	15.068197G	-53.20	1
2462MHz_TnomVnom	Pass	2.443921G	4.90	-25.10	147.665M	-39.28	2.39016G	-58.04	2.48382G	-46.99	15.124388G	-53.42	1
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.52	2.39992G	-27.99	2.49198G	-49.95	16.919698G	-53.73	1
2412MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.68	2.39952G	-27.79	2.48718G	-53.05	15.079435G	-53.50	2
2437MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.65	2.39864G	-57.44	2.51702G	-49.54	15.321057G	-53.26	1
2437MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.66	2.39416G	-56.50	2.51014G	-52.59	15.160912G	-53.53	2
2462MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.54	2.39032G	-57.50	2.48382G	-36.34	2.540357G	-51.29	1
2462MHz_TnomVnom	Pass	2.431563G	3.53	-26.47	147.665M	-39.78	2.39056G	-57.02	2.48446G	-36.48	2.548786G	-53.38	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.64	2.39808G	-31.75	2.56014G	-54.78	15.327064G	-51.95	1
2422MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.84	2.39984G	-32.91	2.48446G	-55.06	15.346696G	-53.11	2
2437MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.68	2.3984G	-35.68	2.48414G	-40.45	15.12794G	-54.36	1
2437MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.85	2.39968G	-37.05	2.48414G	-42.04	15.335478G	-52.89	2
2452MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.50	2.39584G	-57.16	2.48478G	-40.29	24.652234G	-53.85	1
2452MHz_TnomVnom	Pass	2.420374G	-0.30	-30.30	146.79M	-39.66	2.39984G	-57.68	2.48782G	-42.01	15.343891G	-52.73	2



802.11b_(1Mbps)_1TX

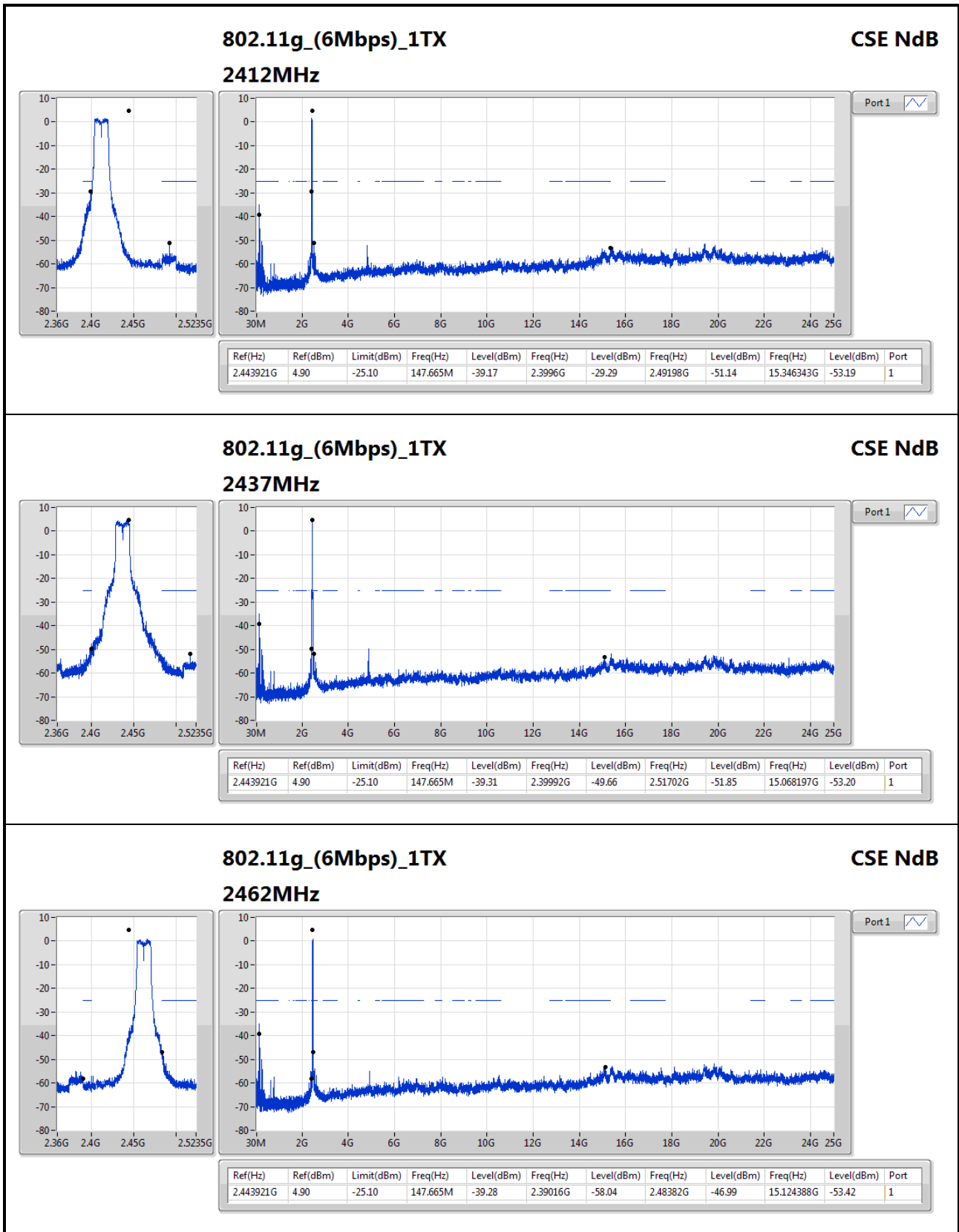
2462MHz

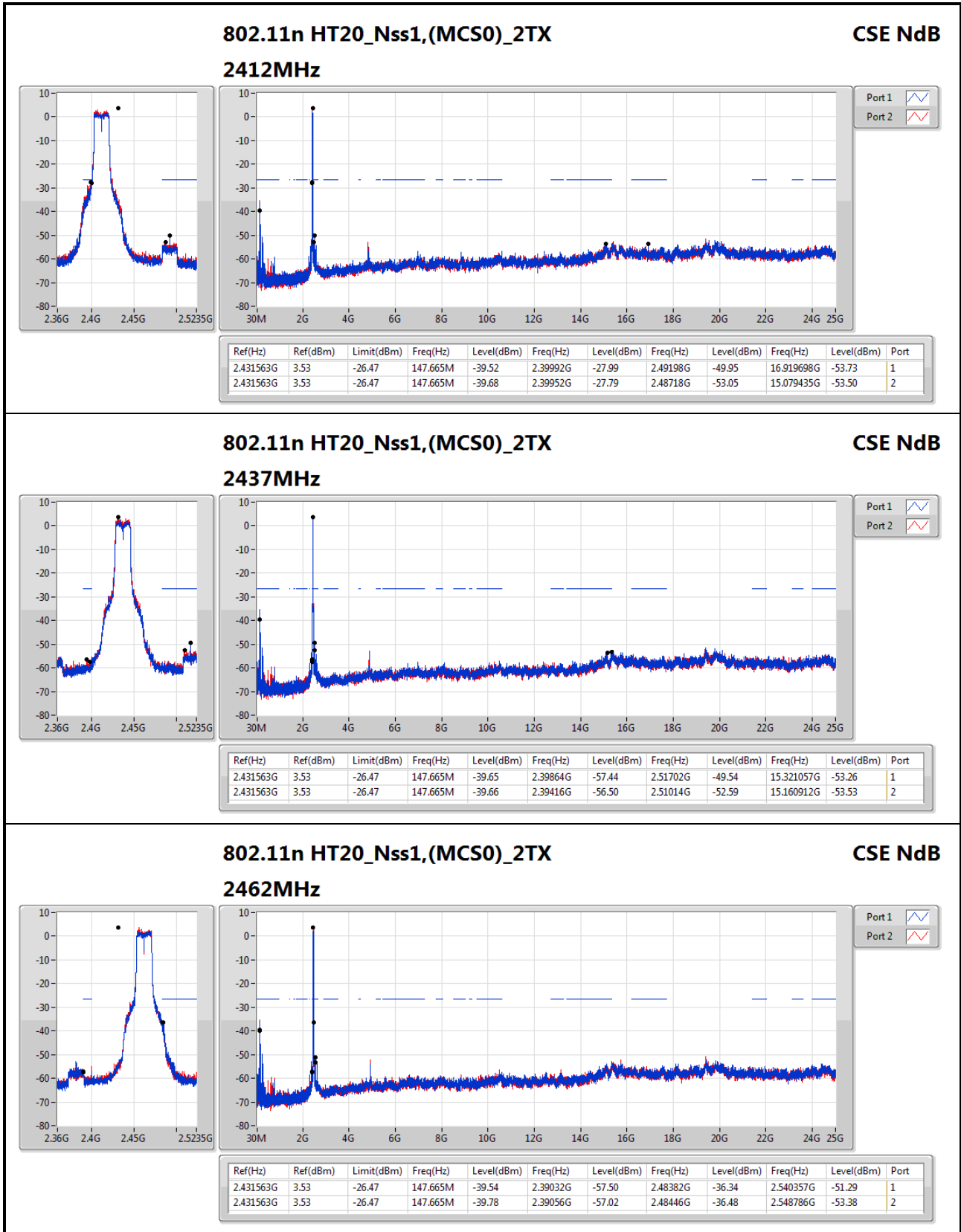
CSE NdB

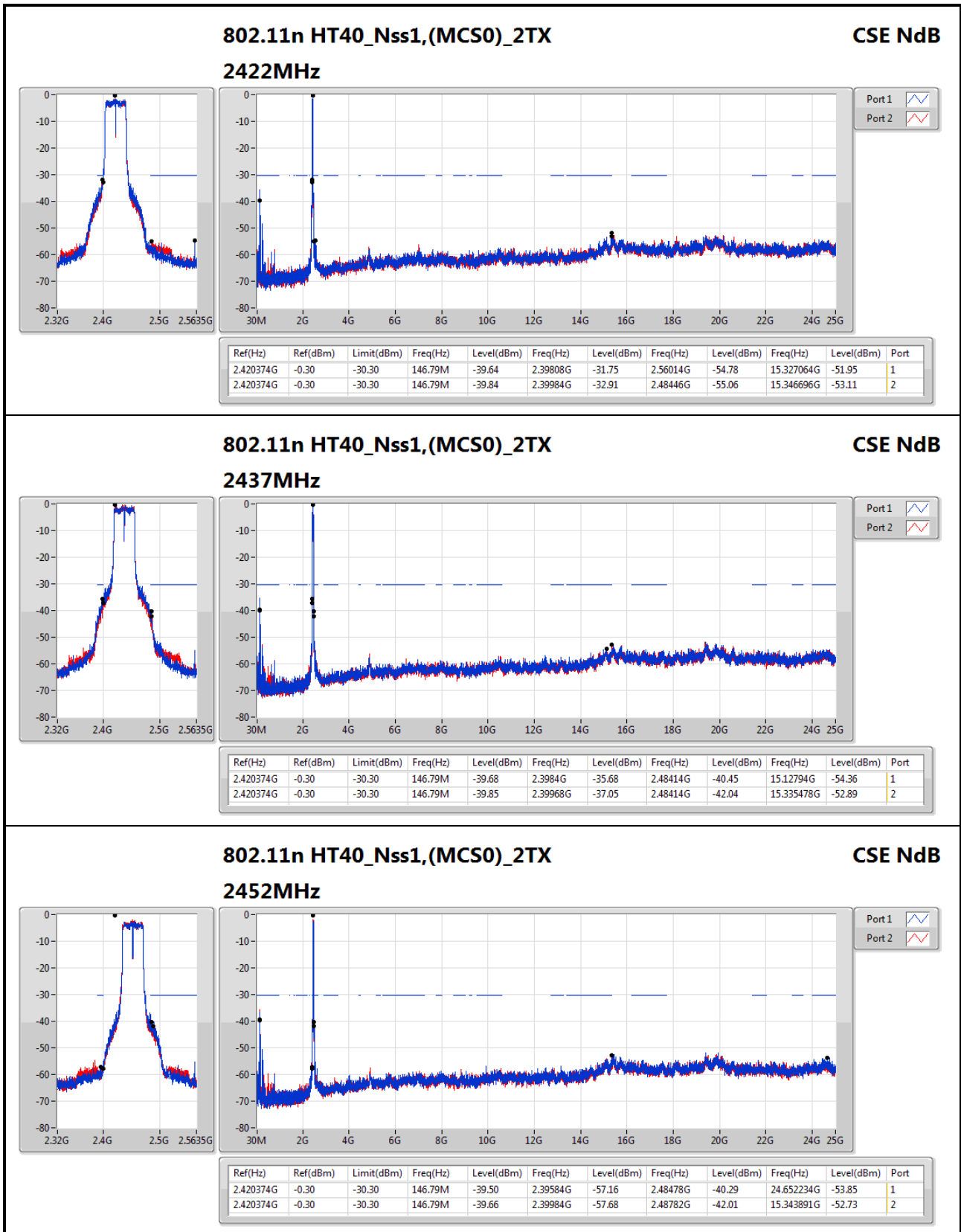




Port1 







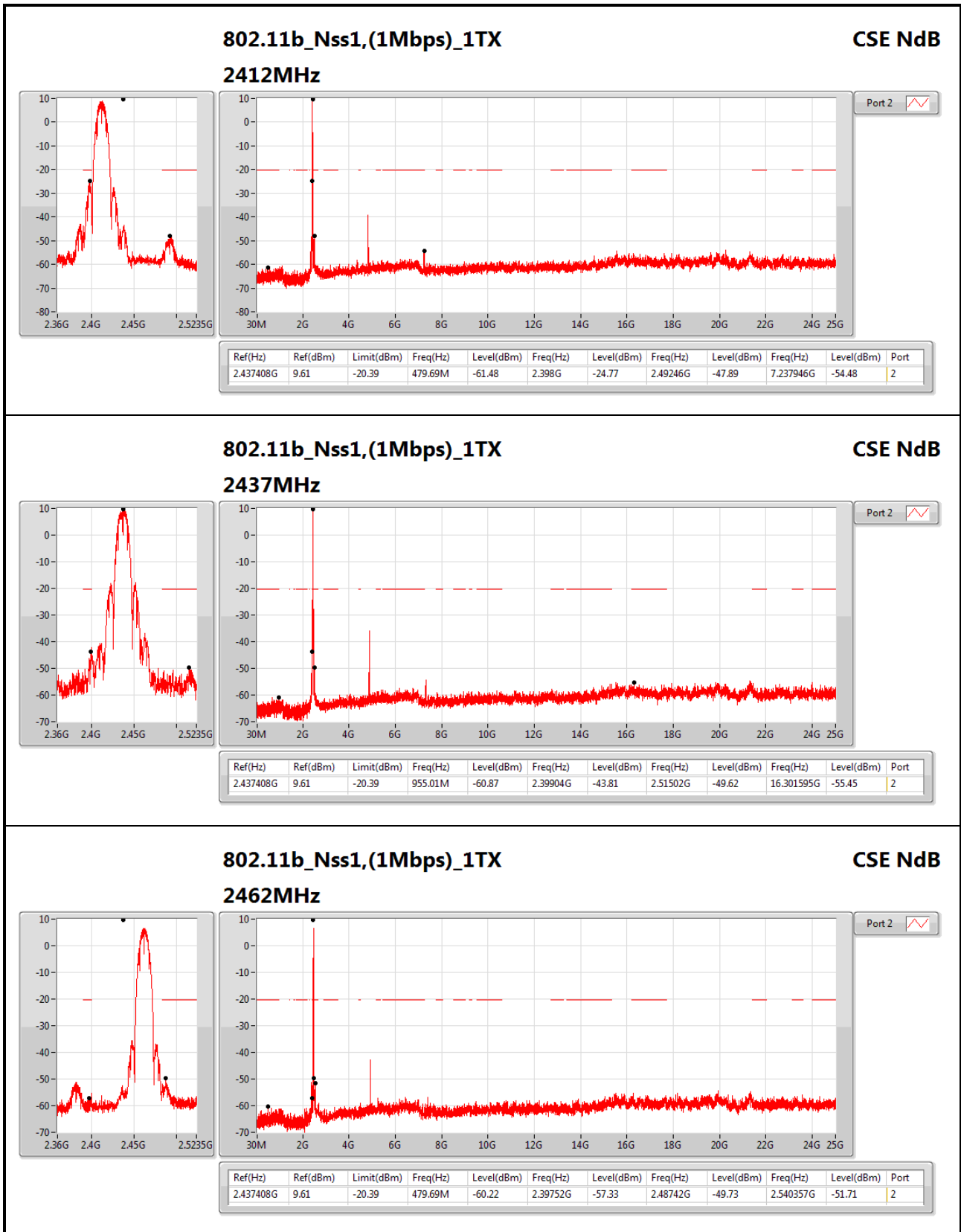


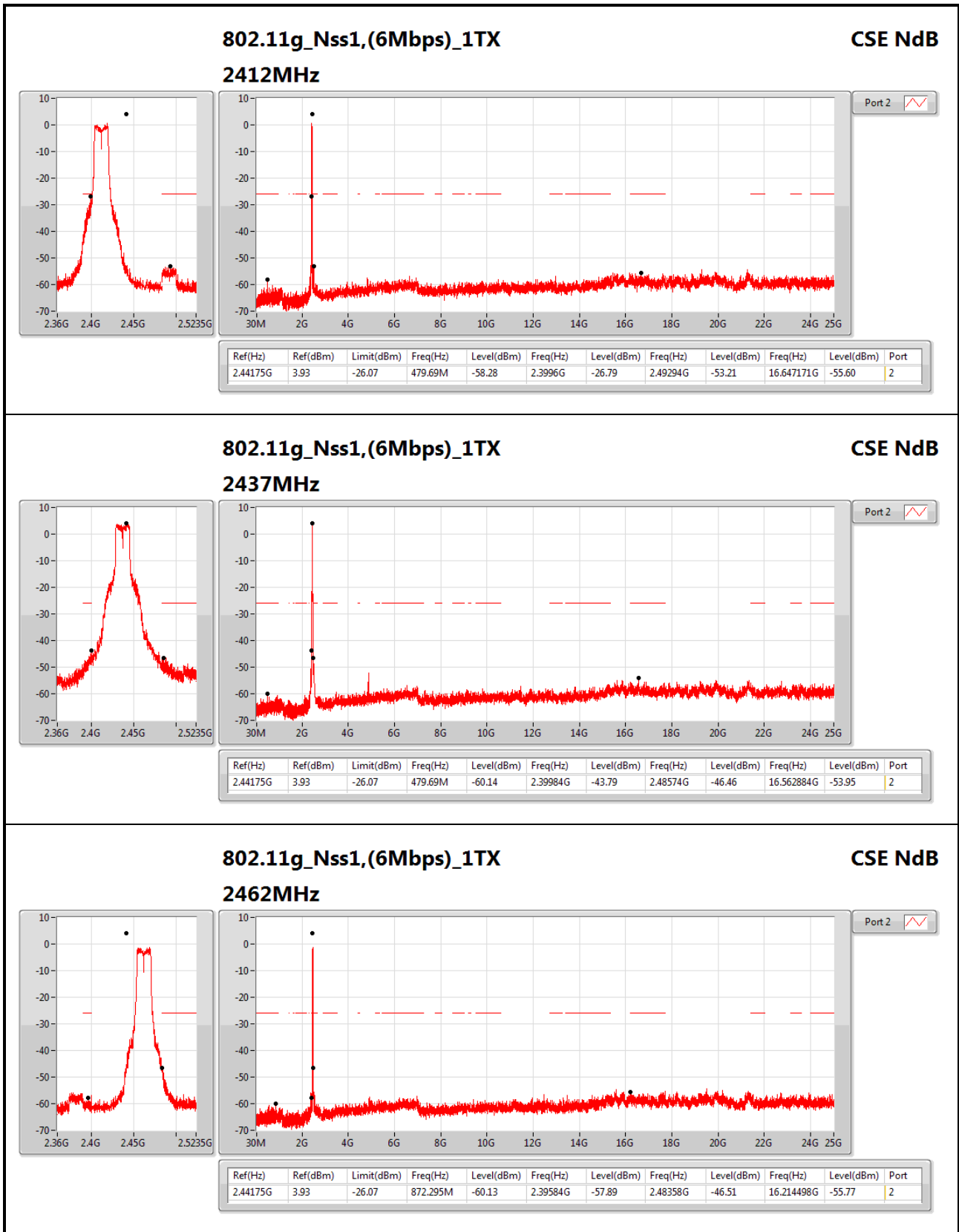
Summary

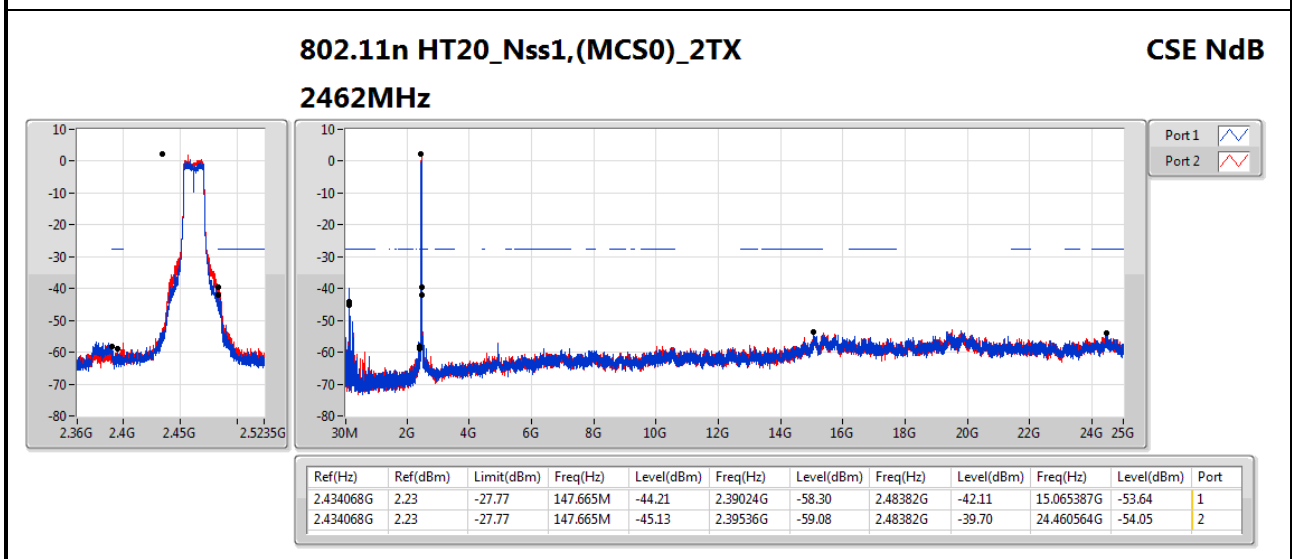
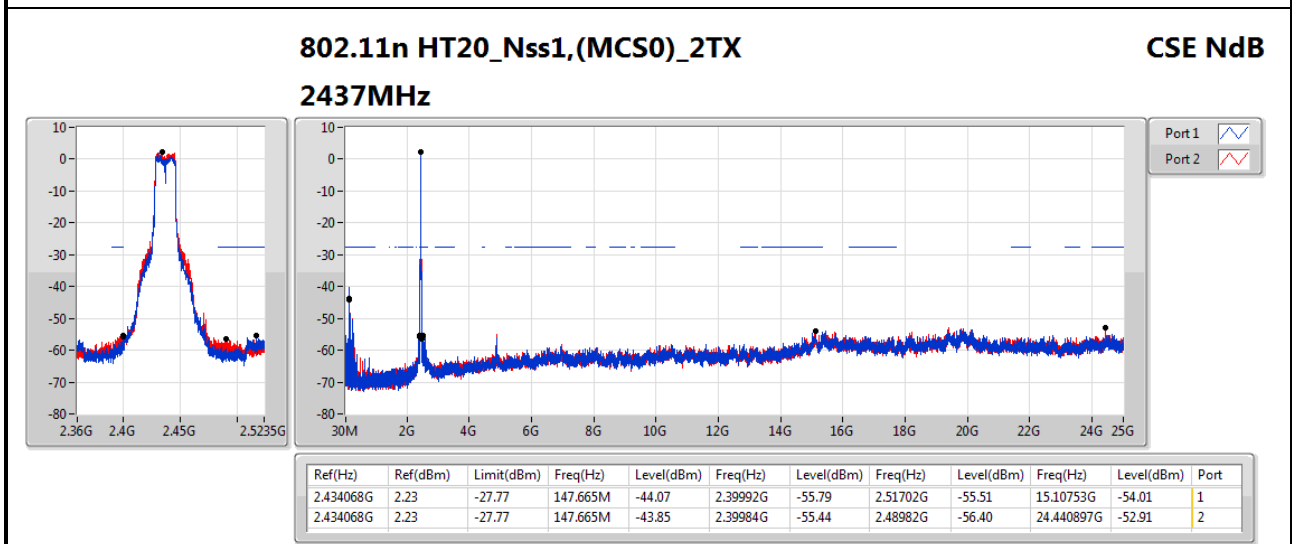
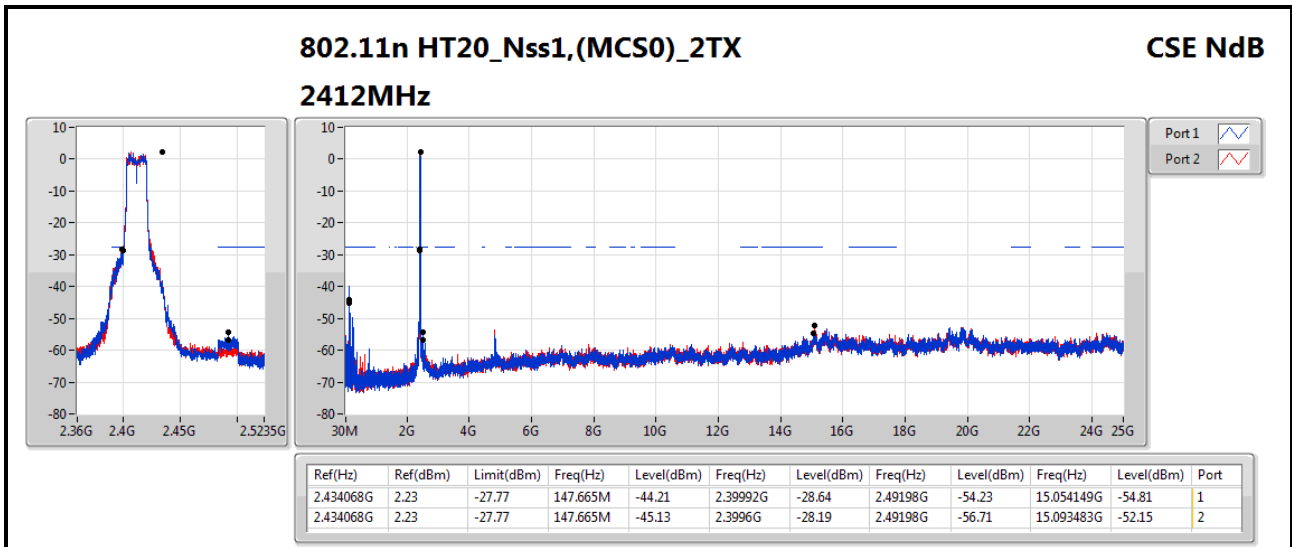
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.440748G	-0.72	-30.72	146.79M	-43.98	2.39968G	-30.78	2.48526G	-55.12	15.12794G	-53.71	2

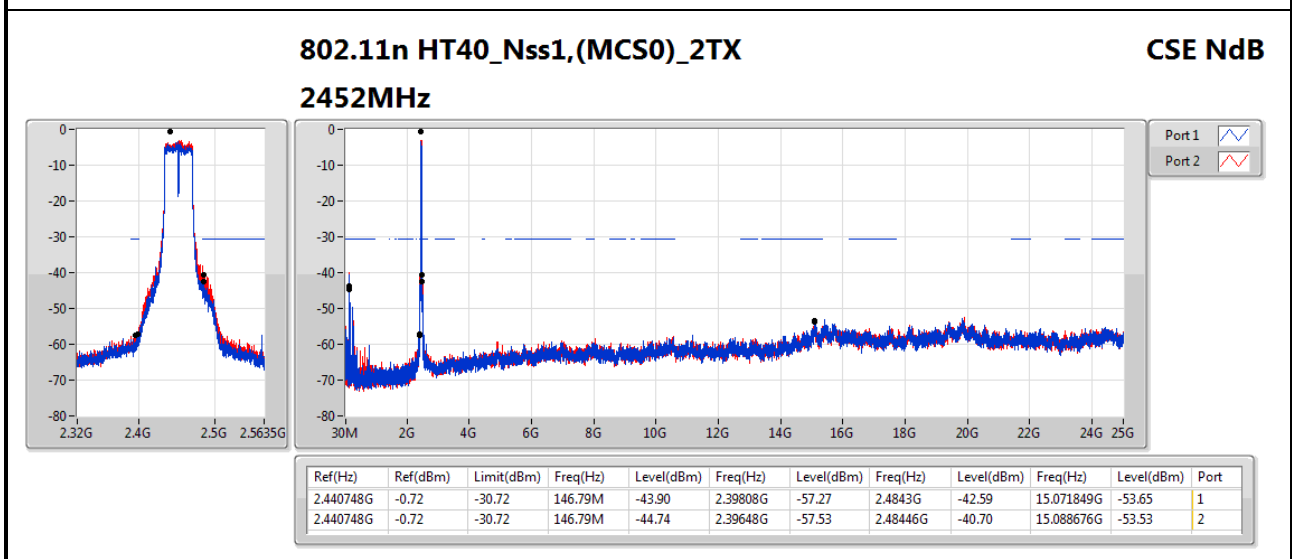
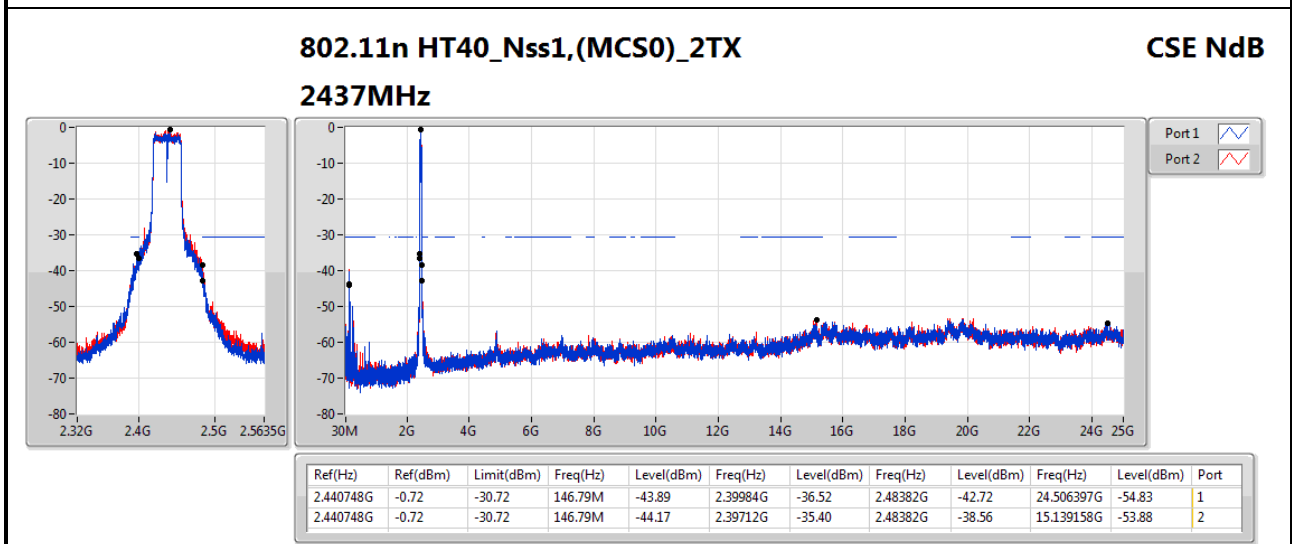
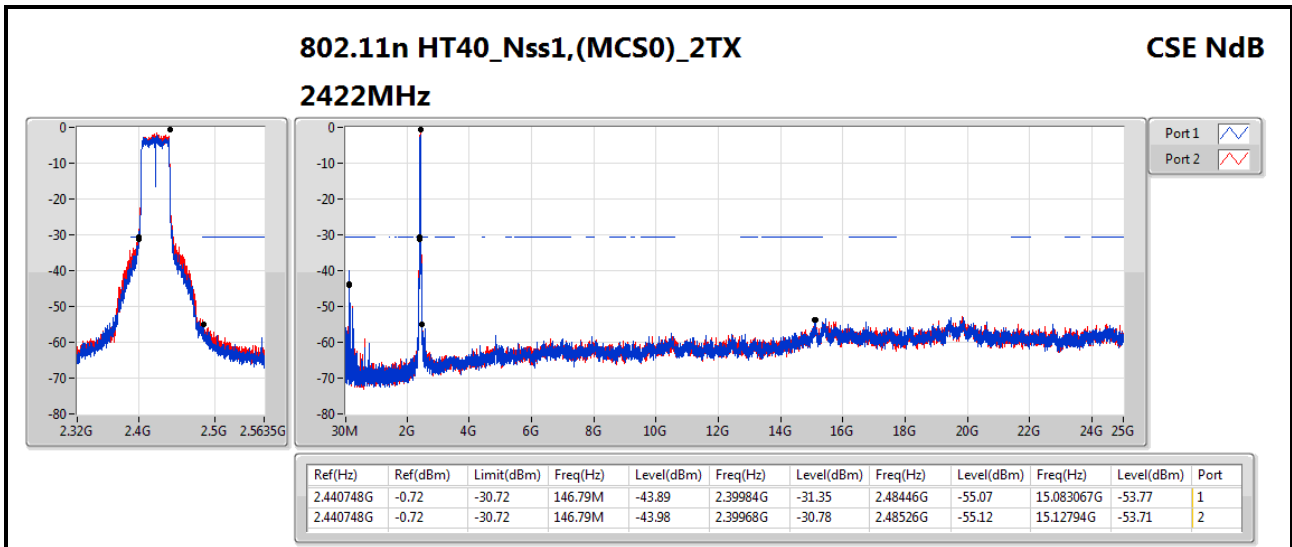
Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.437408G	9.61	-20.39	479.69M	-61.48	2.398G	-24.77	2.49246G	-47.89	7.237946G	-54.48	2
2437MHz	Pass	2.437408G	9.61	-20.39	955.01M	-60.87	2.39904G	-43.81	2.51502G	-49.62	16.301595G	-55.45	2
2462MHz	Pass	2.437408G	9.61	-20.39	479.69M	-60.22	2.39752G	-57.33	2.48742G	-49.73	2.540357G	-51.71	2
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44175G	3.93	-26.07	479.69M	-58.28	2.3996G	-26.79	2.49294G	-53.21	16.647171G	-55.60	2
2437MHz	Pass	2.44175G	3.93	-26.07	479.69M	-60.14	2.39984G	-43.79	2.48574G	-46.46	16.562884G	-53.95	2
2462MHz	Pass	2.44175G	3.93	-26.07	872.295M	-60.13	2.39584G	-57.89	2.48358G	-46.51	16.214498G	-55.77	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.434068G	2.23	-27.77	147.665M	-44.21	2.39992G	-28.64	2.49198G	-54.23	15.054149G	-54.81	1
2412MHz	Pass	2.434068G	2.23	-27.77	147.665M	-45.13	2.3996G	-28.19	2.49198G	-56.71	15.093483G	-52.15	2
2437MHz	Pass	2.434068G	2.23	-27.77	147.665M	-44.07	2.39992G	-55.79	2.51702G	-55.51	15.10753G	-54.01	1
2437MHz	Pass	2.434068G	2.23	-27.77	147.665M	-43.85	2.39984G	-55.44	2.48982G	-56.40	24.440897G	-52.91	2
2462MHz	Pass	2.434068G	2.23	-27.77	147.665M	-44.21	2.39024G	-58.30	2.48382G	-42.11	15.065387G	-53.64	1
2462MHz	Pass	2.434068G	2.23	-27.77	147.665M	-45.13	2.39536G	-59.08	2.48382G	-39.70	24.460564G	-54.05	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-43.89	2.39984G	-31.35	2.48446G	-55.07	15.083067G	-53.77	1
2422MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-43.98	2.39968G	-30.78	2.48526G	-55.12	15.12794G	-53.71	2
2437MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-43.89	2.39984G	-36.52	2.48382G	-42.72	24.506397G	-54.83	1
2437MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-44.17	2.39712G	-35.40	2.48382G	-38.56	15.139158G	-53.88	2
2452MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-43.90	2.39808G	-57.27	2.4843G	-42.59	15.071849G	-53.65	1
2452MHz	Pass	2.440748G	-0.72	-30.72	146.79M	-44.74	2.39648G	-57.53	2.48446G	-40.70	15.088676G	-53.53	2











Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	PK	703.18M	38.47	46.00	-7.53	-0.29	3	V	360	1.00	-

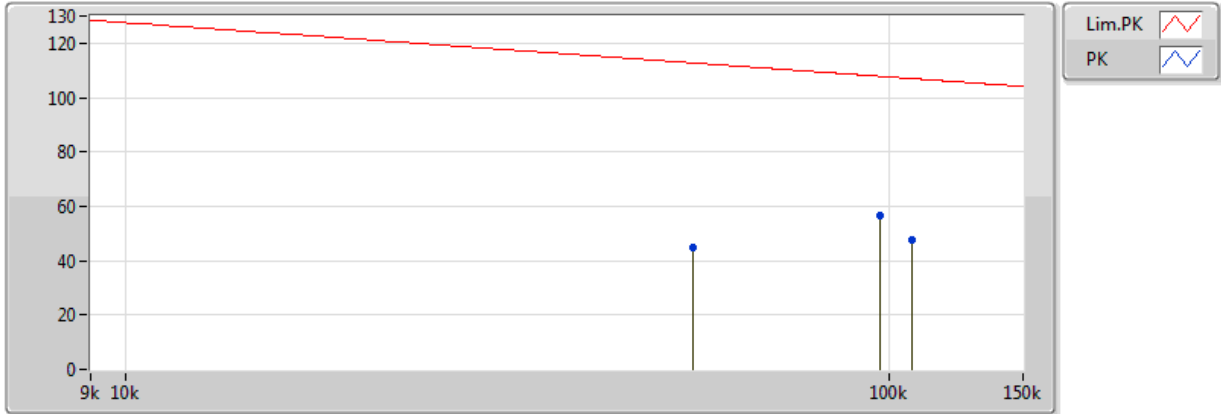


Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	55.53k	45.07	112.70	-67.63	21.12	3	H	360	1.00	-
2437MHz	Pass	PK	97.266k	56.59	107.84	-51.25	20.80	3	H	360	1.00	-
2437MHz	Pass	PK	107.418k	47.40	106.98	-59.58	20.77	3	H	360	1.00	-
2437MHz	Pass	PK	1.1052M	47.84	66.76	-18.92	21.03	3	H	0	1.00	-
2437MHz	Pass	PK	2.2992M	41.14	69.50	-28.36	20.88	3	H	0	1.00	-
2437MHz	Pass	PK	16.0899M	30.19	69.50	-39.31	22.80	3	H	0	1.00	-
2437MHz	Pass	PK	30M	27.09	40.00	-12.91	-4.25	3	H	0	1.00	-
2437MHz	Pass	PK	144.46M	30.78	43.50	-12.72	-10.06	3	H	0	1.00	-
2437MHz	Pass	PK	245.34M	31.87	46.00	-14.13	-7.97	3	H	0	1.00	-
2437MHz	Pass	PK	334.58M	33.89	46.00	-12.11	-5.92	3	H	0	1.00	-
2437MHz	Pass	PK	491.72M	36.32	46.00	-9.68	-2.60	3	H	0	1.00	-
2437MHz	Pass	PK	720.64M	32.82	46.00	-13.18	0.11	3	H	0	1.00	-
2437MHz	Pass	PK	30M	25.14	40.00	-14.86	-4.25	3	V	360	1.00	-
2437MHz	Pass	PK	123.12M	32.45	43.50	-11.05	-8.96	3	V	360	1.00	-
2437MHz	Pass	PK	175.5M	30.02	43.50	-13.48	-10.99	3	V	360	1.00	-
2437MHz	Pass	PK	355.92M	32.23	46.00	-13.77	-5.22	3	V	360	1.00	-
2437MHz	Pass	PK	600.36M	35.06	46.00	-10.94	-1.20	3	V	360	1.00	-
2437MHz	Pass	PK	703.18M	38.47	46.00	-7.53	-0.29	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Tx

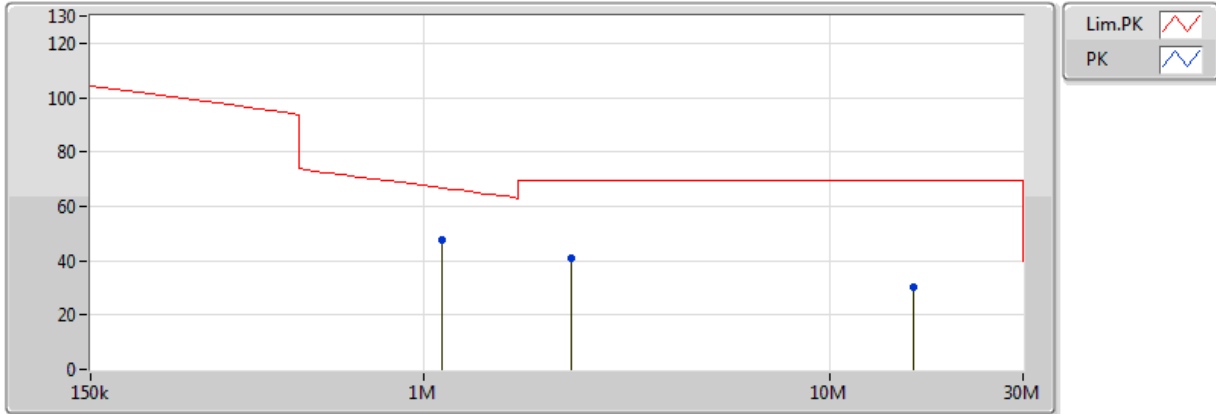


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	55.53k	45.07	112.70	-67.63	21.12	3	H	360	1.00	-
PK	97.266k	56.59	107.84	-51.25	20.80	3	H	360	1.00	-
PK	107.418k	47.40	106.98	-59.58	20.77	3	H	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Tx

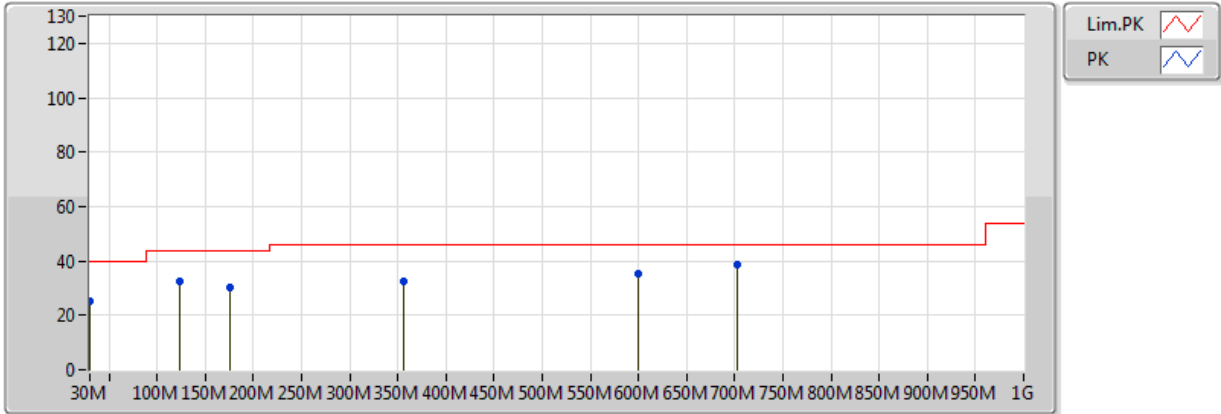


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	1.1052M	47.84	66.76	-18.92	21.03	3	H	0	1.00	-
PK	2.2992M	41.14	69.50	-28.36	20.88	3	H	0	1.00	-
PK	16.0899M	30.19	69.50	-39.31	22.80	3	H	0	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Tx

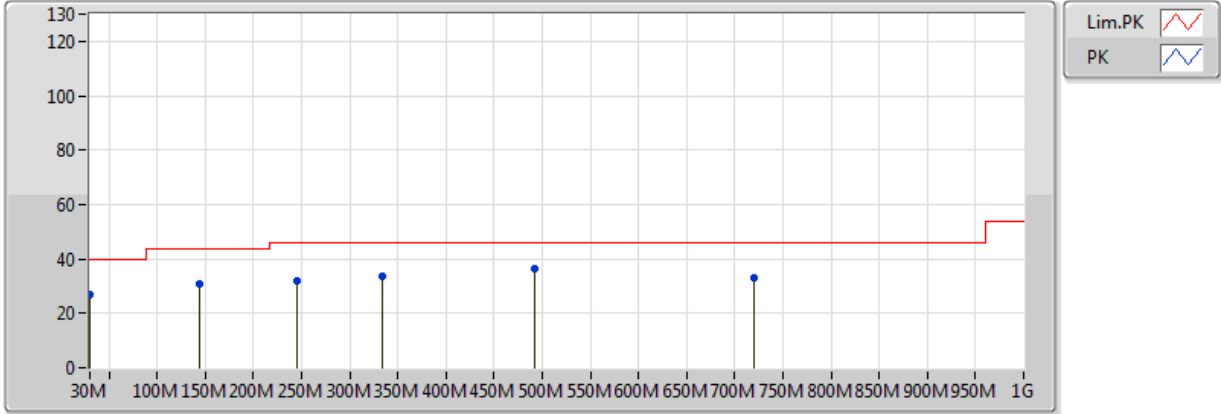


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	25.14	40.00	-14.86	-4.25	3	V	360	1.00	-
PK	123.12M	32.45	43.50	-11.05	-8.96	3	V	360	1.00	-
PK	175.5M	30.02	43.50	-13.48	-10.99	3	V	360	1.00	-
PK	355.92M	32.23	46.00	-13.77	-5.22	3	V	360	1.00	-
PK	600.36M	35.06	46.00	-10.94	-1.20	3	V	360	1.00	-
PK	703.18M	38.47	46.00	-7.53	-0.29	3	V	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_Tx



EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	30M	27.09	40.00	-12.91	-4.25	3	H	0	1.00	-
PK	144.46M	30.78	43.50	-12.72	-10.06	3	H	0	1.00	-
PK	245.34M	31.87	46.00	-14.13	-7.97	3	H	0	1.00	-
PK	334.58M	33.89	46.00	-12.11	-5.92	3	H	0	1.00	-
PK	491.72M	36.32	46.00	-9.68	-2.60	3	H	0	1.00	-
PK	720.64M	32.82	46.00	-13.18	0.11	3	H	0	1.00	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.483502G	53.72	54.00	-0.28	31.07	3	H	310	1.18	-



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	2.386G	46.83	54.00	-7.17	30.74	3	H	223	1.11	-
2412MHz	Pass	AV	2.4112G	104.84	Inf	-Inf	30.83	3	H	223	1.11	-
2412MHz	Pass	PK	2.3866G	56.55	74.00	-17.45	30.75	3	H	223	1.11	-
2412MHz	Pass	PK	2.413G	108.92	Inf	-Inf	30.83	3	H	223	1.11	-
2412MHz	Pass	AV	2.3864G	46.28	54.00	-7.72	30.75	3	V	154	2.39	-
2412MHz	Pass	AV	2.4112G	102.85	Inf	-Inf	30.83	3	V	154	2.39	-
2412MHz	Pass	PK	2.3864G	56.21	74.00	-17.79	30.75	3	V	154	2.39	-
2412MHz	Pass	PK	2.413G	106.79	Inf	-Inf	30.83	3	V	154	2.39	-
2412MHz	Pass	AV	4.824G	46.24	54.00	-7.76	2.03	3	H	29	2.44	-
2412MHz	Pass	PK	4.824G	48.71	74.00	-25.29	2.03	3	H	29	2.44	-
2412MHz	Pass	AV	4.824G	43.58	54.00	-10.42	2.03	3	V	252	2.10	-
2412MHz	Pass	PK	4.824G	46.84	74.00	-27.16	2.03	3	V	252	2.10	-
2437MHz	Pass	AV	2.3578G	43.35	54.00	-10.65	30.65	3	H	30	1.44	-
2437MHz	Pass	AV	2.4362G	104.66	Inf	-Inf	30.91	3	H	30	1.44	-
2437MHz	Pass	AV	2.4986G	43.81	54.00	-10.19	31.13	3	H	30	1.44	-
2437MHz	Pass	AV	4.874G	38.71	54.00	-15.29	2.17	3	H	27	2.64	-
2437MHz	Pass	PK	2.3734G	54.40	74.00	-19.60	30.70	3	H	30	1.44	-
2437MHz	Pass	PK	2.4378G	108.47	Inf	-Inf	30.92	3	H	30	1.44	-
2437MHz	Pass	PK	2.4982G	55.15	74.00	-18.85	31.12	3	H	30	1.44	-
2437MHz	Pass	PK	4.874G	46.07	74.00	-27.93	2.17	3	H	27	2.64	-
2437MHz	Pass	AV	2.3586G	42.99	54.00	-11.01	30.65	3	V	321	3.66	-
2437MHz	Pass	AV	2.4386G	103.24	Inf	-Inf	30.92	3	V	321	3.66	-
2437MHz	Pass	AV	2.4994G	43.69	54.00	-10.31	31.13	3	V	321	3.66	-
2437MHz	Pass	AV	4.874G	33.09	54.00	-20.91	2.17	3	V	270	1.50	-
2437MHz	Pass	PK	2.3454G	54.13	74.00	-19.87	30.61	3	V	321	3.66	-
2437MHz	Pass	PK	2.4378G	107.28	Inf	-Inf	30.92	3	V	321	3.66	-
2437MHz	Pass	PK	2.4882G	54.86	74.00	-19.14	31.09	3	V	321	3.66	-
2437MHz	Pass	PK	4.874G	44.66	74.00	-29.34	2.17	3	V	270	1.50	-
2462MHz	Pass	AV	2.4612G	104.78	Inf	-Inf	31.00	3	H	223	1.50	-
2462MHz	Pass	AV	2.483502G	48.43	54.00	-5.57	31.07	3	H	223	1.50	-
2462MHz	Pass	AV	4.924G	34.79	54.00	-19.21	2.31	3	H	24	1.68	-
2462MHz	Pass	PK	2.463G	108.77	Inf	-Inf	31.00	3	H	223	1.50	-
2462MHz	Pass	PK	2.4886G	57.61	74.00	-16.39	31.09	3	H	223	1.50	-
2462MHz	Pass	PK	4.924G	45.63	74.00	-28.37	2.31	3	H	24	1.68	-
2462MHz	Pass	AV	2.4638G	104.68	Inf	-Inf	31.01	3	V	322	3.23	-
2462MHz	Pass	AV	2.483502G	48.86	54.00	-5.14	31.07	3	V	322	3.23	-
2462MHz	Pass	AV	4.924G	31.77	54.00	-22.23	2.31	3	V	125	3.56	-
2462MHz	Pass	PK	2.463G	108.69	Inf	-Inf	31.00	3	V	322	3.23	-
2462MHz	Pass	PK	2.4836G	58.25	74.00	-15.75	31.07	3	V	322	3.23	-
2462MHz	Pass	PK	4.924G	44.39	74.00	-29.61	2.31	3	V	125	3.56	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.56	54.00	-1.44	30.76	3	H	226	2.13	-
2412MHz	Pass	AV	2.4182G	97.66	Inf	-Inf	30.85	3	H	226	2.13	-
2412MHz	Pass	PK	2.39G	71.48	74.00	-2.52	30.76	3	H	226	2.13	-
2412MHz	Pass	PK	2.4056G	107.03	Inf	-Inf	30.81	3	H	226	2.13	-
2412MHz	Pass	AV	2.39G	51.99	54.00	-2.01	30.76	3	V	150	2.40	-
2412MHz	Pass	AV	2.4182G	95.77	Inf	-Inf	30.85	3	V	150	2.40	-
2412MHz	Pass	PK	2.39G	69.69	74.00	-4.31	30.76	3	V	150	2.40	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.4176G	104.93	Inf	-Inf	30.85	3	V	150	2.40	-
2412MHz	Pass	AV	4.824G	30.64	54.00	-23.36	2.03	3	H	303	1.50	-
2412MHz	Pass	AV	4.824G	43.77	54.00	-10.23	2.03	3	H	360	1.50	-
2412MHz	Pass	AV	4.824G	29.69	54.00	-24.31	2.03	3	V	1	1.50	-
2412MHz	Pass	PK	4.824G	43.67	74.00	-30.33	2.03	3	V	0	1.50	-
2437MHz	Pass	AV	2.389G	45.42	54.00	-8.58	30.75	3	H	32	1.50	-
2437MHz	Pass	AV	2.4318G	100.07	Inf	-Inf	30.90	3	H	32	1.50	-
2437MHz	Pass	AV	2.4838G	47.89	54.00	-6.11	31.07	3	H	32	1.50	-
2437MHz	Pass	PK	2.3874G	60.03	74.00	-13.97	30.75	3	H	32	1.50	-
2437MHz	Pass	PK	2.4306G	110.08	Inf	-Inf	30.89	3	H	32	1.50	-
2437MHz	Pass	PK	2.485G	64.70	74.00	-9.30	31.08	3	H	32	1.50	-
2437MHz	Pass	AV	2.389998G	45.02	54.00	-8.98	30.76	3	V	153	2.65	-
2437MHz	Pass	AV	2.4434G	98.63	Inf	-Inf	30.94	3	V	153	2.65	-
2437MHz	Pass	AV	2.483502G	46.79	54.00	-7.21	31.07	3	V	153	2.65	-
2437MHz	Pass	PK	2.385G	58.58	74.00	-15.42	30.74	3	V	153	2.65	-
2437MHz	Pass	PK	2.4426G	107.91	Inf	-Inf	30.93	3	V	153	2.65	-
2437MHz	Pass	PK	2.4854G	61.93	74.00	-12.07	31.08	3	V	153	2.65	-
2437MHz	Pass	AV	4.874G	35.38	54.00	-18.62	2.17	3	H	43	1.50	-
2437MHz	Pass	PK	4.874G	48.17	74.00	-25.83	2.17	3	H	0	1.50	-
2437MHz	Pass	AV	4.874G	31.67	54.00	-22.33	2.17	3	V	346	1.50	-
2437MHz	Pass	PK	4.874G	44.80	74.00	-29.20	2.17	3	V	360	1.50	-
2462MHz	Pass	AV	2.4682G	97.41	Inf	-Inf	31.02	3	H	225	2.13	-
2462MHz	Pass	AV	2.483502G	52.85	54.00	-1.15	31.07	3	H	225	2.13	-
2462MHz	Pass	PK	2.4674G	106.63	Inf	-Inf	31.02	3	H	225	2.13	-
2462MHz	Pass	PK	2.4838G	68.78	74.00	-5.22	31.07	3	H	225	2.13	-
2462MHz	Pass	AV	2.4682G	97.77	Inf	-Inf	31.02	3	V	323	3.24	-
2462MHz	Pass	AV	2.483502G	52.87	54.00	-1.13	31.07	3	V	323	3.24	-
2462MHz	Pass	PK	2.4676G	107.04	Inf	-Inf	31.02	3	V	323	3.24	-
2462MHz	Pass	PK	2.483502G	68.94	74.00	-5.06	31.07	3	V	323	3.24	-
2462MHz	Pass	AV	4.924G	29.84	54.00	-24.16	2.31	3	H	0	1.50	-
2462MHz	Pass	PK	4.924G	41.45	74.00	-32.55	2.31	3	H	0	1.50	-
2462MHz	Pass	AV	4.924G	32.31	54.00	-21.69	2.31	3	V	21	1.14	-
2462MHz	Pass	PK	4.924G	44.23	74.00	-29.77	2.31	3	V	21	1.14	-
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.05	54.00	-1.95	30.76	3	H	229	1.17	-
2412MHz	Pass	AV	2.404G	88.27	Inf	-Inf	30.80	3	H	229	1.17	-
2412MHz	Pass	PK	2.39G	70.81	74.00	-3.19	30.76	3	H	229	1.17	-
2412MHz	Pass	PK	2.405G	97.91	Inf	-Inf	30.81	3	H	229	1.17	-
2412MHz	Pass	AV	2.39G	53.05	54.00	-0.95	30.76	3	V	294	3.67	-
2412MHz	Pass	AV	2.4064G	96.36	Inf	-Inf	30.81	3	V	294	3.67	-
2412MHz	Pass	PK	2.39G	72.95	74.00	-1.05	30.76	3	V	294	3.67	-
2412MHz	Pass	PK	2.409G	106.11	Inf	-Inf	30.82	3	V	294	3.67	-
2412MHz	Pass	AV	4.824G	30.44	54.00	-23.56	2.03	3	H	360	1.50	-
2412MHz	Pass	PK	4.824G	44.01	74.00	-29.99	2.03	3	H	360	1.50	-
2412MHz	Pass	AV	4.824G	30.28	54.00	-23.72	2.03	3	V	0	1.50	-
2412MHz	Pass	PK	4.824G	43.91	74.00	-30.09	2.03	3	V	0	1.50	-
2437MHz	Pass	AV	2.387G	42.83	54.00	-11.17	30.75	3	H	29	1.50	-
2437MHz	Pass	AV	2.4314G	99.27	Inf	-Inf	30.90	3	H	29	1.50	-
2437MHz	Pass	AV	2.4886G	43.59	54.00	-10.41	31.09	3	H	29	1.50	-



RSE TX above 1GHz Result_Big board

Appendix F.2

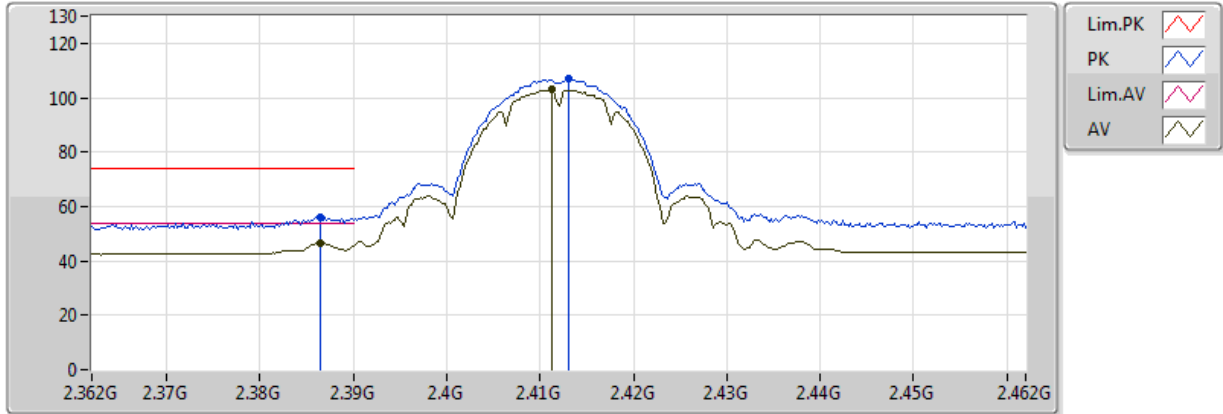
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.3754G	54.30	74.00	-19.70	30.71	3	H	29	1.50	-
2437MHz	Pass	PK	2.4338G	108.97	Inf	-Inf	30.90	3	H	29	1.50	-
2437MHz	Pass	PK	2.4994G	55.22	74.00	-18.78	31.13	3	H	29	1.50	-
2437MHz	Pass	AV	2.389998G	42.74	54.00	-11.26	30.76	3	V	38	1.09	-
2437MHz	Pass	AV	2.4422G	95.47	Inf	-Inf	30.93	3	V	38	1.09	-
2437MHz	Pass	AV	2.489G	43.44	54.00	-10.56	31.09	3	V	38	1.09	-
2437MHz	Pass	PK	2.3554G	54.31	74.00	-19.69	30.64	3	V	38	1.09	-
2437MHz	Pass	PK	2.4434G	104.99	Inf	-Inf	30.94	3	V	38	1.09	-
2437MHz	Pass	PK	2.4942G	55.76	74.00	-18.24	31.11	3	V	38	1.09	-
2437MHz	Pass	AV	4.874G	29.77	54.00	-24.23	2.17	3	H	0	1.50	-
2437MHz	Pass	PK	4.874G	42.73	74.00	-31.27	2.17	3	H	0	1.50	-
2437MHz	Pass	AV	4.874G	29.91	54.00	-24.09	2.17	3	V	360	1.50	-
2437MHz	Pass	PK	4.874G	43.71	74.00	-30.29	2.17	3	V	360	1.50	-
2462MHz	Pass	AV	2.4674G	99.51	Inf	-Inf	31.02	3	H	310	1.18	-
2462MHz	Pass	AV	2.483502G	53.72	54.00	-0.28	31.07	3	H	310	1.18	-
2462MHz	Pass	PK	2.4566G	109.08	Inf	-Inf	30.98	3	H	310	1.18	-
2462MHz	Pass	PK	2.483502G	72.05	74.00	-1.95	31.07	3	H	310	1.18	-
2462MHz	Pass	AV	2.4674G	96.74	Inf	-Inf	31.02	3	V	220	3.38	-
2462MHz	Pass	AV	2.483502G	51.01	54.00	-2.99	31.07	3	V	220	3.38	-
2462MHz	Pass	PK	2.4684G	106.32	Inf	-Inf	31.02	3	V	220	3.38	-
2462MHz	Pass	PK	2.484G	68.61	74.00	-5.39	31.08	3	V	220	3.38	-
2462MHz	Pass	AV	4.924G	30.62	54.00	-23.38	2.31	3	H	360	1.50	-
2462MHz	Pass	PK	4.924G	44.65	74.00	-29.35	2.31	3	H	360	1.50	-
2462MHz	Pass	AV	4.924G	30.30	54.00	-23.70	2.31	3	V	0	1.50	-
2462MHz	Pass	PK	4.924G	43.65	74.00	-30.35	2.31	3	V	0	1.50	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	52.60	54.00	-1.40	30.76	3	H	229	1.34	-
2422MHz	Pass	AV	2.4064G	90.50	Inf	-Inf	30.81	3	H	229	1.34	-
2422MHz	Pass	AV	2.498G	43.96	54.00	-10.04	31.12	3	H	229	1.34	-
2422MHz	Pass	PK	2.3888G	67.41	74.00	-6.59	30.75	3	H	229	1.34	-
2422MHz	Pass	PK	2.4068G	99.98	Inf	-Inf	30.81	3	H	229	1.34	-
2422MHz	Pass	PK	2.4972G	55.24	74.00	-18.76	31.12	3	H	229	1.34	-
2422MHz	Pass	AV	2.3896G	49.13	54.00	-4.87	30.76	3	V	38	1.14	-
2422MHz	Pass	AV	2.4372G	90.97	Inf	-Inf	30.92	3	V	38	1.14	-
2422MHz	Pass	AV	2.4996G	43.82	54.00	-10.18	31.13	3	V	38	1.14	-
2422MHz	Pass	PK	2.3888G	63.98	74.00	-10.02	30.75	3	V	38	1.14	-
2422MHz	Pass	PK	2.436G	100.70	Inf	-Inf	30.91	3	V	38	1.14	-
2422MHz	Pass	PK	2.498G	55.30	74.00	-18.70	31.12	3	V	38	1.14	-
2422MHz	Pass	AV	4.844G	29.76	54.00	-24.24	2.09	3	H	360	1.50	-
2422MHz	Pass	AV	4.844G	30.09	54.00	-23.91	2.09	3	H	0	1.50	-
2422MHz	Pass	PK	4.844G	43.55	74.00	-30.45	2.09	3	H	360	1.50	-
2422MHz	Pass	PK	4.844G	43.59	74.00	-30.41	2.09	3	H	0	1.50	-
2437MHz	Pass	AV	2.389998G	49.56	54.00	-4.44	30.76	3	H	228	1.26	-
2437MHz	Pass	AV	2.4386G	95.89	Inf	-Inf	30.92	3	H	228	1.26	-
2437MHz	Pass	AV	2.4838G	52.39	54.00	-1.61	31.07	3	H	228	1.26	-
2437MHz	Pass	PK	2.3894G	65.30	74.00	-8.70	30.76	3	H	228	1.26	-
2437MHz	Pass	PK	2.4474G	105.73	Inf	-Inf	30.95	3	H	228	1.26	-
2437MHz	Pass	PK	2.4838G	68.32	74.00	-5.68	31.07	3	H	228	1.26	-
2437MHz	Pass	AV	2.389998G	46.92	54.00	-7.08	30.76	3	V	309	3.63	-



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	2.4386G	92.57	Inf	-Inf	30.92	3	V	309	3.63	-
2437MHz	Pass	AV	2.483502G	47.55	54.00	-6.45	31.07	3	V	309	3.63	-
2437MHz	Pass	PK	2.3882G	60.98	74.00	-13.02	30.75	3	V	309	3.63	-
2437MHz	Pass	PK	2.435G	102.20	Inf	-Inf	30.91	3	V	309	3.63	-
2437MHz	Pass	PK	2.483502G	61.53	74.00	-12.47	31.07	3	V	309	3.63	-
2437MHz	Pass	AV	4.874G	29.90	54.00	-24.10	2.17	3	H	360	1.50	-
2437MHz	Pass	PK	4.874G	43.33	74.00	-30.67	2.17	3	H	360	1.50	-
2437MHz	Pass	AV	4.874G	30.14	54.00	-23.86	2.17	3	V	0	1.50	-
2437MHz	Pass	PK	4.874G	44.62	74.00	-29.38	2.17	3	V	0	1.50	-
2452MHz	Pass	AV	2.3868G	43.34	54.00	-10.66	30.75	3	H	302	2.33	-
2452MHz	Pass	AV	2.4536G	95.69	Inf	-Inf	30.97	3	H	302	2.33	-
2452MHz	Pass	AV	2.4836G	52.88	54.00	-1.12	31.07	3	H	302	2.33	-
2452MHz	Pass	AV	4.904G	30.34	54.00	-23.66	2.25	3	H	0	1.50	-
2452MHz	Pass	PK	2.3836G	54.67	74.00	-19.33	30.74	3	H	302	2.33	-
2452MHz	Pass	PK	2.4624G	105.23	Inf	-Inf	31.00	3	H	302	2.33	-
2452MHz	Pass	PK	2.488G	66.88	74.00	-7.12	31.09	3	H	302	2.33	-
2452MHz	Pass	PK	4.904G	43.16	74.00	-30.84	2.25	3	H	0	1.50	-
2452MHz	Pass	AV	2.3888G	42.87	54.00	-11.13	30.75	3	V	223	3.36	-
2452MHz	Pass	AV	2.4536G	91.73	Inf	-Inf	30.97	3	V	223	3.36	-
2452MHz	Pass	AV	2.4836G	49.98	54.00	-4.02	31.07	3	V	223	3.36	-
2452MHz	Pass	AV	4.904G	30.37	54.00	-23.63	2.25	3	V	360	1.50	-
2452MHz	Pass	PK	2.3544G	54.25	74.00	-19.75	30.64	3	V	223	3.36	-
2452MHz	Pass	PK	2.4624G	101.74	Inf	-Inf	31.00	3	V	223	3.36	-
2452MHz	Pass	PK	2.4836G	64.00	74.00	-10.00	31.07	3	V	223	3.36	-
2452MHz	Pass	PK	4.904G	43.60	74.00	-30.40	2.25	3	V	360	1.50	-

802.11b_(1Mbps)_1TX

2412MHz_TX

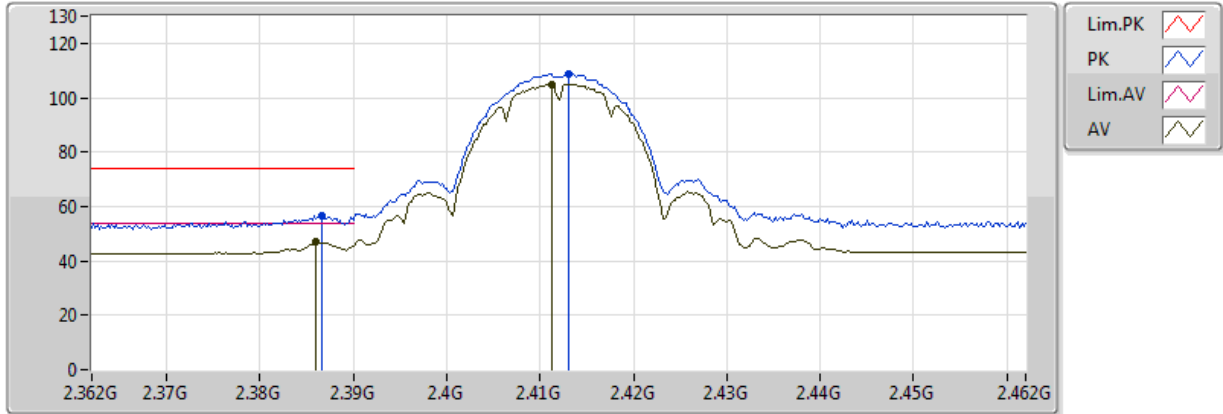


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3864G	46.28	54.00	-7.72	30.75	3	V	154	2.39	-
AV	2.4112G	102.85	Inf	-Inf	30.83	3	V	154	2.39	-
PK	2.3864G	56.21	74.00	-17.79	30.75	3	V	154	2.39	-
PK	2.413G	106.79	Inf	-Inf	30.83	3	V	154	2.39	-

802.11b_(1Mbps)_1TX

2412MHz_TX

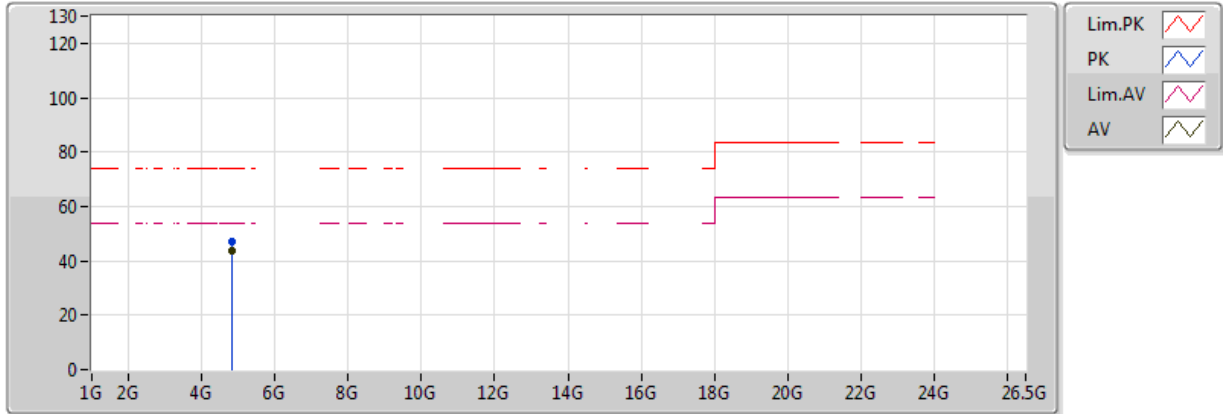


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.386G	46.83	54.00	-7.17	30.74	3	H	223	1.11	-
AV	2.4112G	104.84	Inf	-Inf	30.83	3	H	223	1.11	-
PK	2.3866G	56.55	74.00	-17.45	30.75	3	H	223	1.11	-
PK	2.413G	108.92	Inf	-Inf	30.83	3	H	223	1.11	-

802.11b_(1Mbps)_1TX

2412MHz_TX

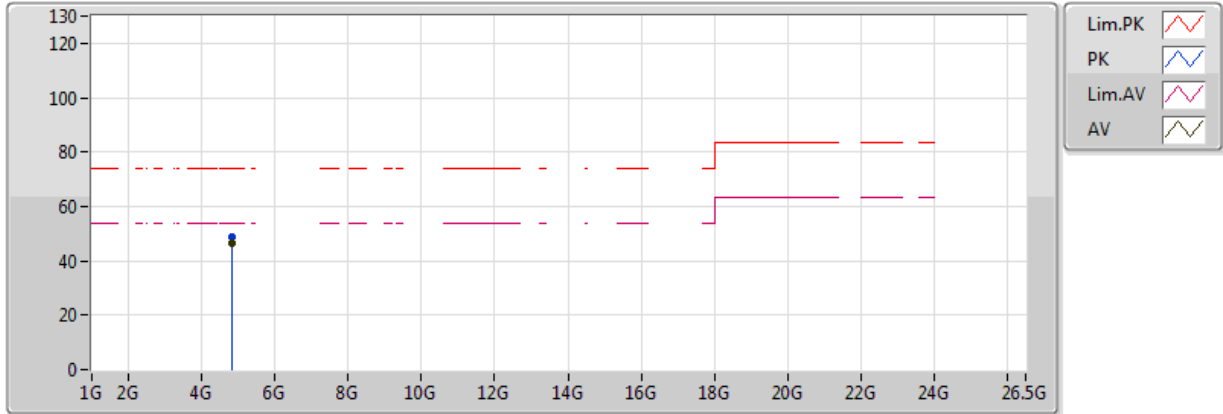


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.824G	43.58	54.00	-10.42	2.03	3	V	252	2.10	-
PK	4.824G	46.84	74.00	-27.16	2.03	3	V	252	2.10	-

802.11b_(1Mbps)_1TX

2412MHz_TX

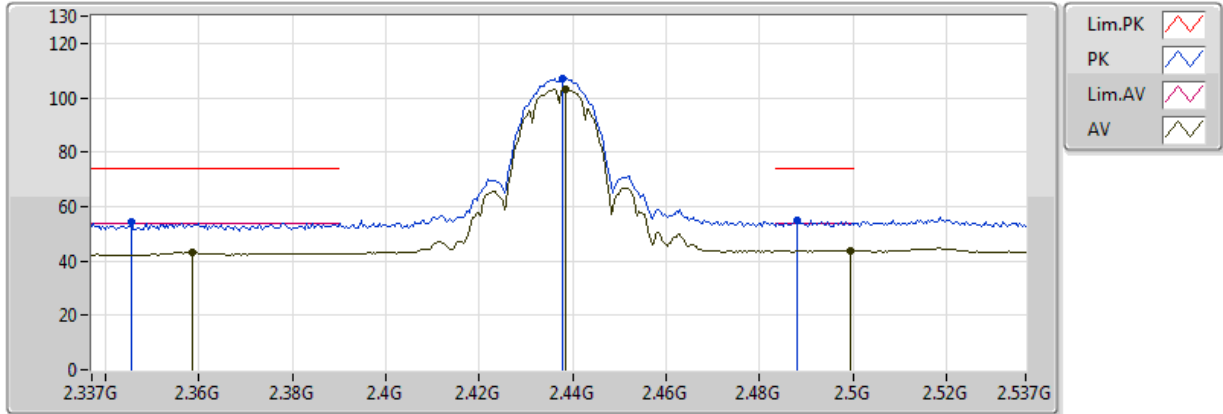


EUT = Y
 ANT = X
 ANT = ANT A

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	46.24	54.00	-7.76	2.03	3	H	29	2.44	-
PK	4.824G	48.71	74.00	-25.29	2.03	3	H	29	2.44	-

802.11b_(1Mbps)_1TX

2437MHz_TX

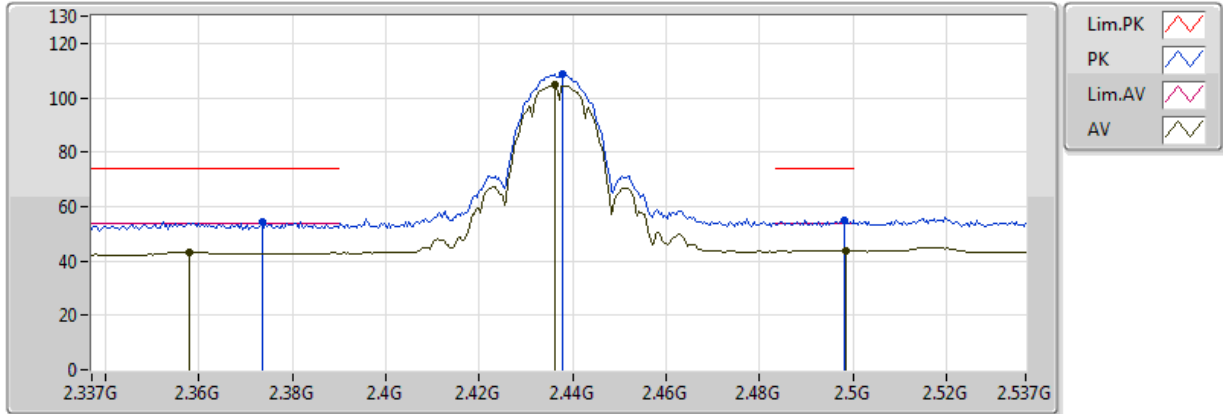


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3586G	42.99	54.00	-11.01	30.65	3	V	321	3.66	-
AV	2.4386G	103.24	Inf	-Inf	30.92	3	V	321	3.66	-
AV	2.4994G	43.69	54.00	-10.31	31.13	3	V	321	3.66	-
PK	2.3454G	54.13	74.00	-19.87	30.61	3	V	321	3.66	-
PK	2.4378G	107.28	Inf	-Inf	30.92	3	V	321	3.66	-
PK	2.4882G	54.86	74.00	-19.14	31.09	3	V	321	3.66	-

802.11b_(1Mbps)_1TX

2437MHz_TX

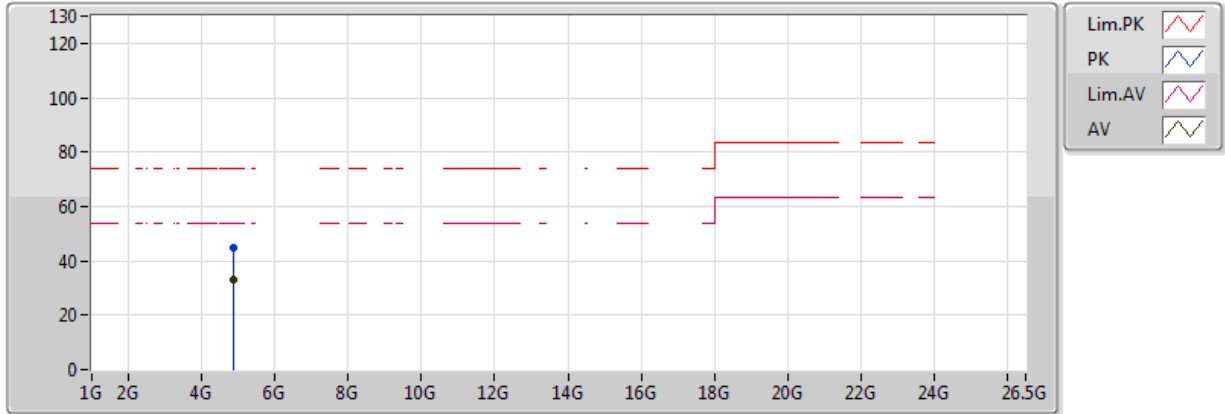


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3578G	43.35	54.00	-10.65	30.65	3	H	30	1.44	-
AV	2.4362G	104.66	Inf	-Inf	30.91	3	H	30	1.44	-
AV	2.4986G	43.81	54.00	-10.19	31.13	3	H	30	1.44	-
PK	2.3734G	54.40	74.00	-19.60	30.70	3	H	30	1.44	-
PK	2.4378G	108.47	Inf	-Inf	30.92	3	H	30	1.44	-
PK	2.4982G	55.15	74.00	-18.85	31.12	3	H	30	1.44	-

802.11b_(1Mbps)_1TX

2437MHz_TX

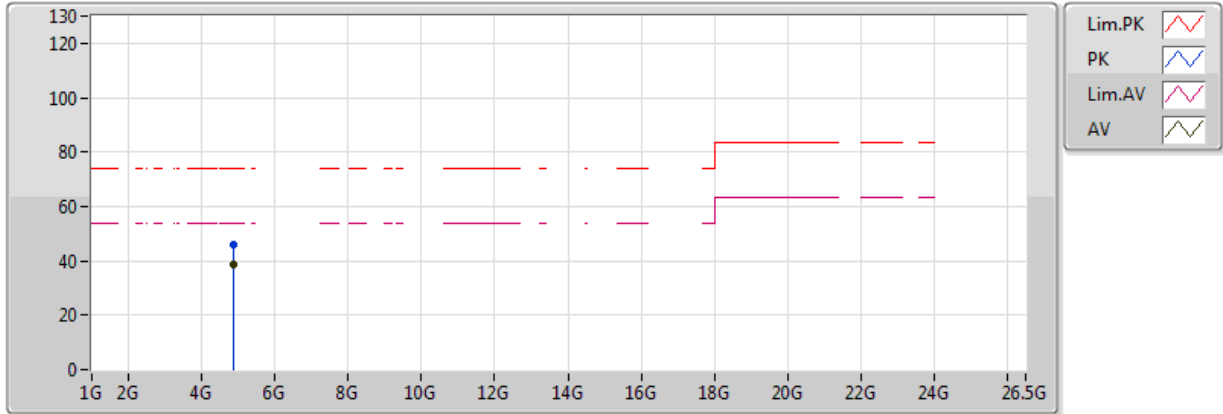


EUT = Y
 ANT = X
 ANT = ANT A

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	33.09	54.00	-20.91	2.17	3	V	270	1.50	-
PK	4.874G	44.66	74.00	-29.34	2.17	3	V	270	1.50	-

802.11b_(1Mbps)_1TX

2437MHz_TX

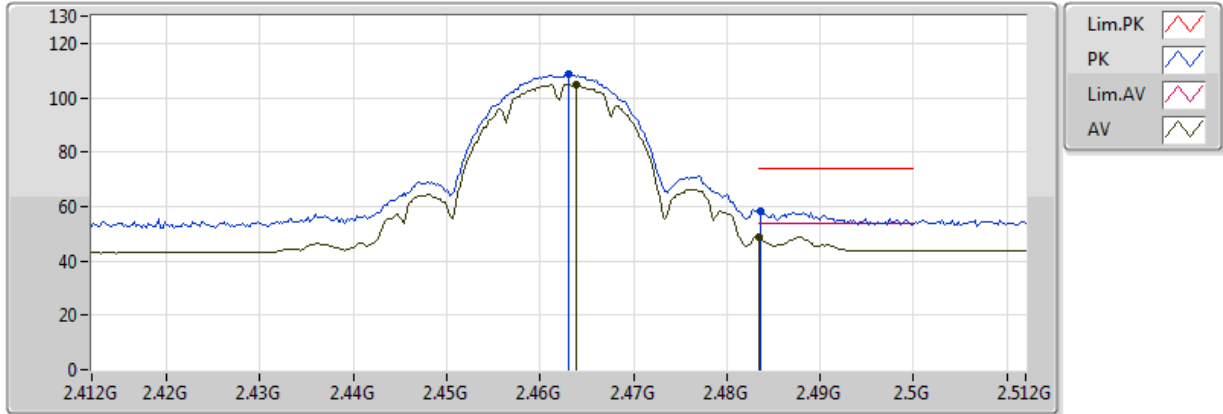


EUT = Y
 ANT = X
 ANT = ANT A

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	38.71	54.00	-15.29	2.17	3	H	27	2.64	-
PK	4.874G	46.07	74.00	-27.93	2.17	3	H	27	2.64	-

802.11b_(1Mbps)_1TX

2462MHz_TX

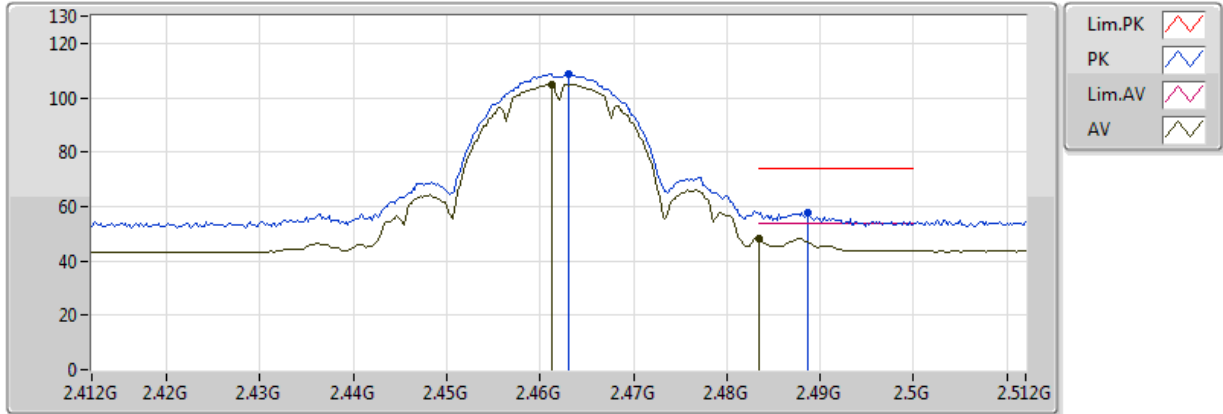


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4638G	104.68	Inf	-Inf	31.01	3	V	322	3.23	-
AV	2.483502G	48.86	54.00	-5.14	31.07	3	V	322	3.23	-
PK	2.463G	108.69	Inf	-Inf	31.00	3	V	322	3.23	-
PK	2.4836G	58.25	74.00	-15.75	31.07	3	V	322	3.23	-

802.11b_(1Mbps)_1TX

2462MHz_TX

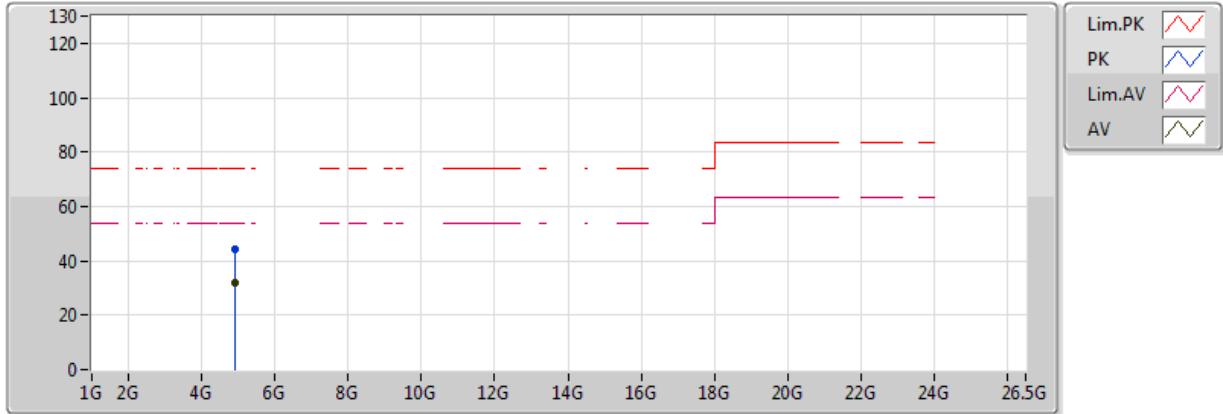


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	104.78	Inf	-Inf	31.00	3	H	223	1.50	-
AV	2.483502G	48.43	54.00	-5.57	31.07	3	H	223	1.50	-
PK	2.463G	108.77	Inf	-Inf	31.00	3	H	223	1.50	-
PK	2.4886G	57.61	74.00	-16.39	31.09	3	H	223	1.50	-

802.11b_(1Mbps)_1TX

2462MHz_TX

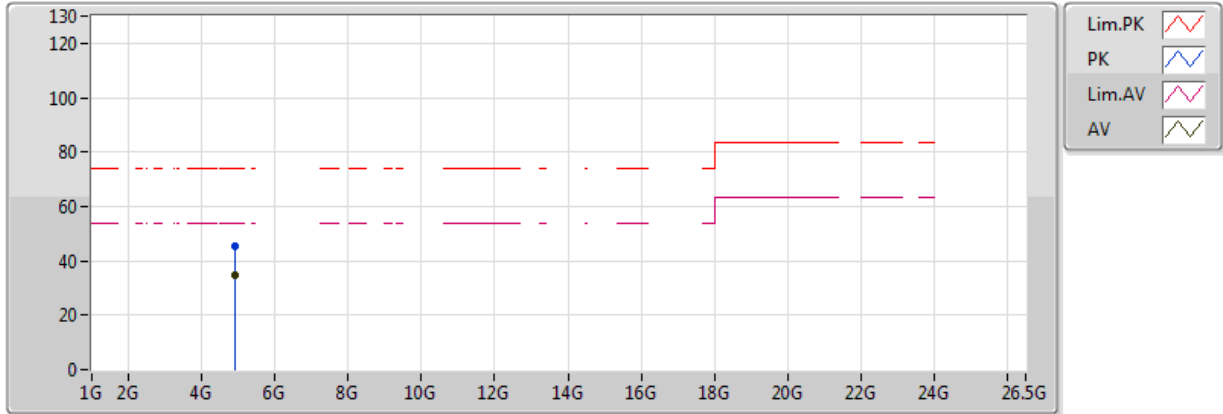


EUT = Y
 ANT = X
 ANT = ANT A

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	31.77	54.00	-22.23	2.31	3	V	125	3.56	-
PK	4.924G	44.39	74.00	-29.61	2.31	3	V	125	3.56	-

802.11b_(1Mbps)_1TX

2462MHz_TX

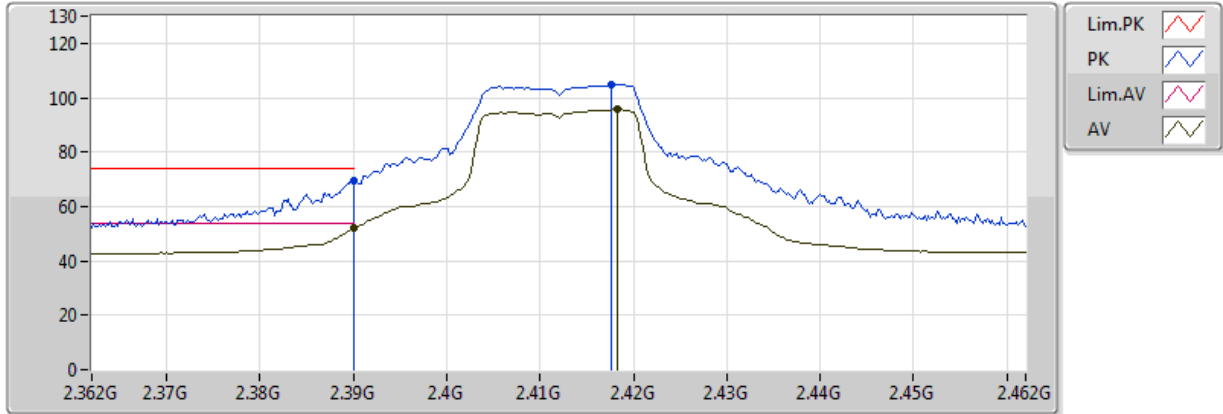


EUT = Y
ANT = X
ANT = ANT A

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	34.79	54.00	-19.21	2.31	3	H	24	1.68	-
PK	4.924G	45.63	74.00	-28.37	2.31	3	H	24	1.68	-

802.11g_(6Mbps)_1TX

2412MHz_TX

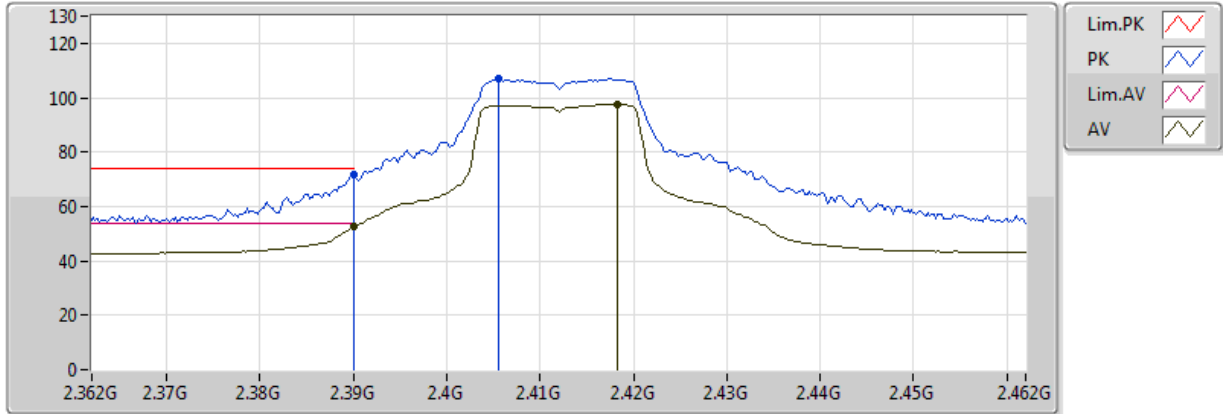


EUT = Y
 ANT = X
 ANT = ANT A

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	51.99	54.00	-2.01	30.76	3	V	150	2.40	-
AV	2.4182G	95.77	Inf	-Inf	30.85	3	V	150	2.40	-
PK	2.39G	69.69	74.00	-4.31	30.76	3	V	150	2.40	-
PK	2.4176G	104.93	Inf	-Inf	30.85	3	V	150	2.40	-

802.11g_(6Mbps)_1TX

2412MHz_TX

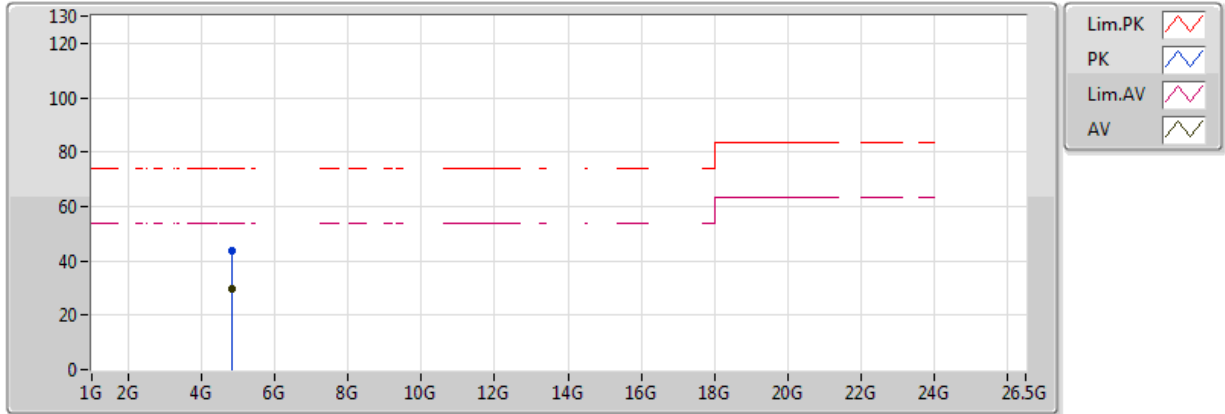


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.56	54.00	-1.44	30.76	3	H	226	2.13	-
AV	2.4182G	97.66	Inf	-Inf	30.85	3	H	226	2.13	-
PK	2.39G	71.48	74.00	-2.52	30.76	3	H	226	2.13	-
PK	2.4056G	107.03	Inf	-Inf	30.81	3	H	226	2.13	-

802.11g_(6Mbps)_1TX

2412MHz_TX

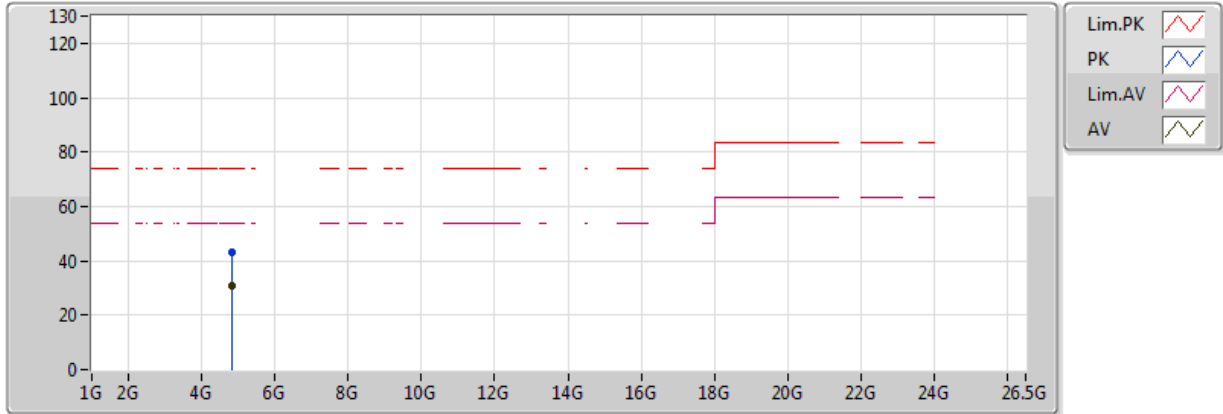


EUT = Y
 ANT = X
 ANT = ANT A

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	29.69	54.00	-24.31	2.03	3	V	0	1.50	-
PK	4.824G	43.67	74.00	-30.33	2.03	3	V	0	1.50	-

802.11g_(6Mbps)_1TX

2412MHz_TX

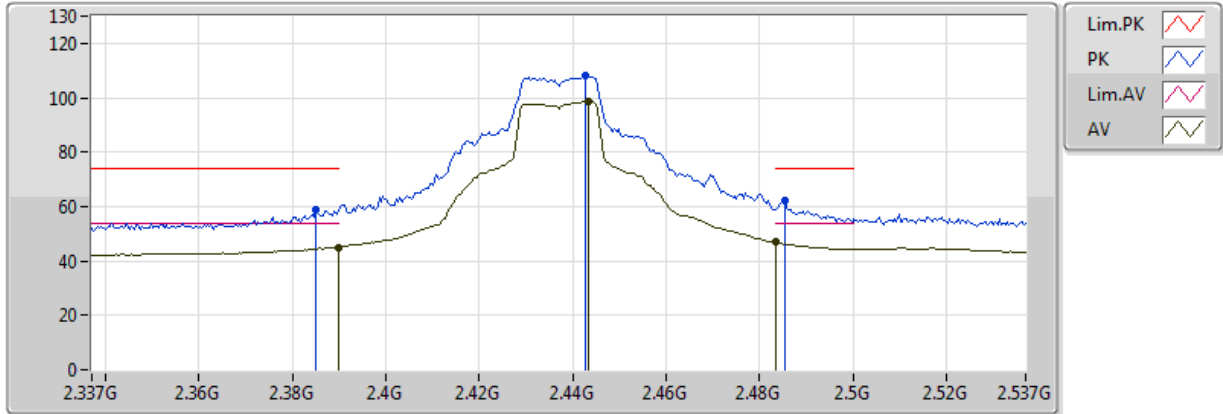


EUT = Y
 ANT = X
 ANT = ANT A

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	30.64	54.00	-23.36	2.03	3	H	303	1.50	-
PK	4.824G	43.03	74.00	-30.97	2.03	3	H	303	1.50	-

802.11g_(6Mbps)_1TX

2437MHz_TX

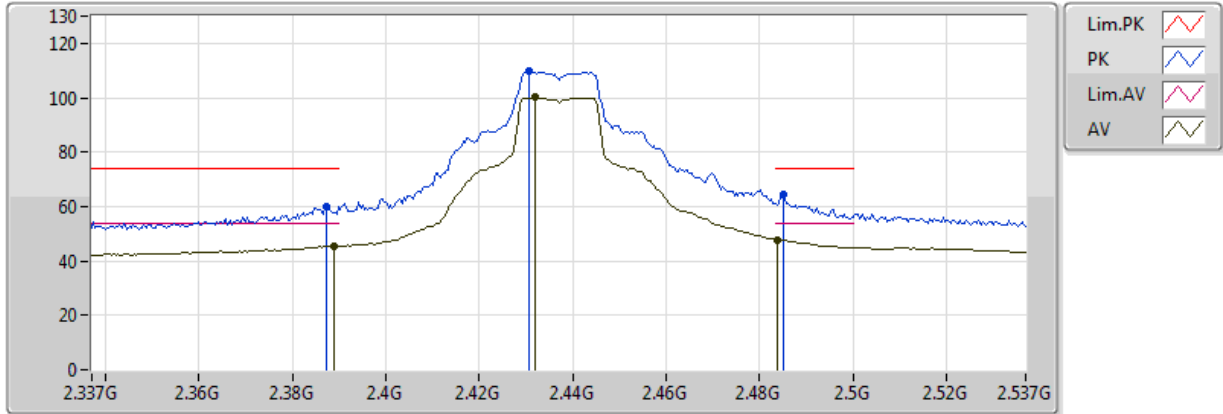


EUT = Y
 ANT = X
 ANT = ANT A

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	45.02	54.00	-8.98	30.76	3	V	153	2.65	-
AV	2.4434G	98.63	Inf	-Inf	30.94	3	V	153	2.65	-
AV	2.483502G	46.79	54.00	-7.21	31.07	3	V	153	2.65	-
PK	2.385G	58.58	74.00	-15.42	30.74	3	V	153	2.65	-
PK	2.4426G	107.91	Inf	-Inf	30.93	3	V	153	2.65	-
PK	2.4854G	61.93	74.00	-12.07	31.08	3	V	153	2.65	-

802.11g_(6Mbps)_1TX

2437MHz_TX

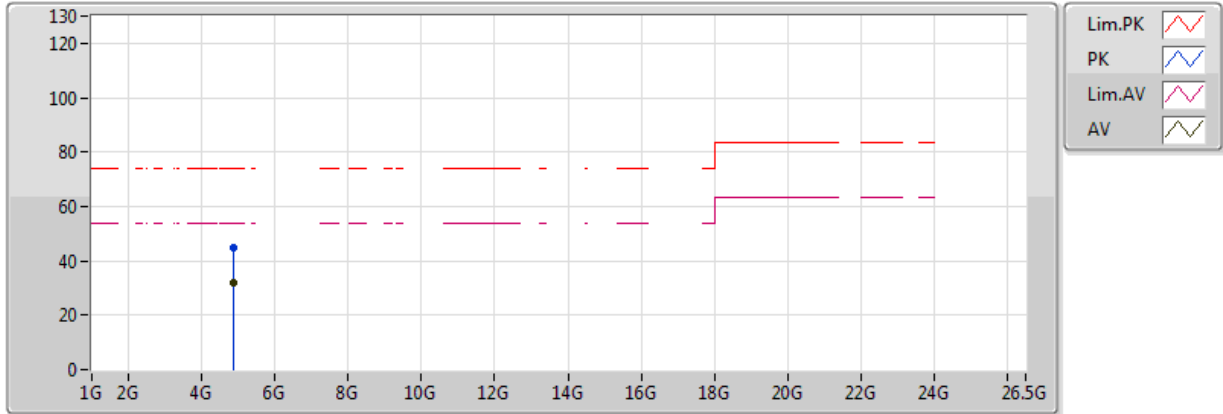


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	45.42	54.00	-8.58	30.75	3	H	32	1.50	-
AV	2.4318G	100.07	Inf	-Inf	30.90	3	H	32	1.50	-
AV	2.4838G	47.89	54.00	-6.11	31.07	3	H	32	1.50	-
PK	2.3874G	60.03	74.00	-13.97	30.75	3	H	32	1.50	-
PK	2.4306G	110.08	Inf	-Inf	30.89	3	H	32	1.50	-
PK	2.485G	64.70	74.00	-9.30	31.08	3	H	32	1.50	-

802.11g_(6Mbps)_1TX

2437MHz_TX

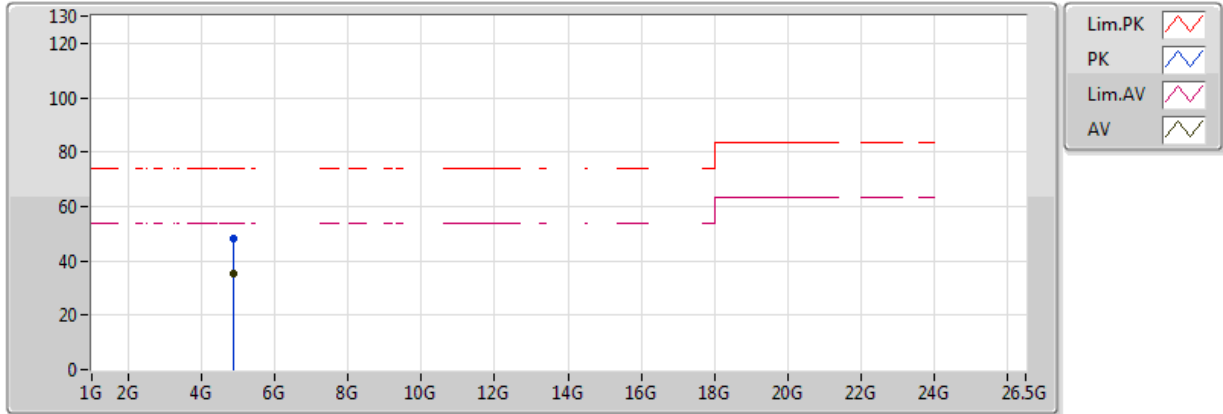


EUT = Y
 ANT = X
 ANT = ANT A

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	31.67	54.00	-22.33	2.17	3	V	346	1.50	-
PK	4.874G	44.80	74.00	-29.20	2.17	3	V	346	1.50	-

802.11g_(6Mbps)_1TX

2437MHz_TX

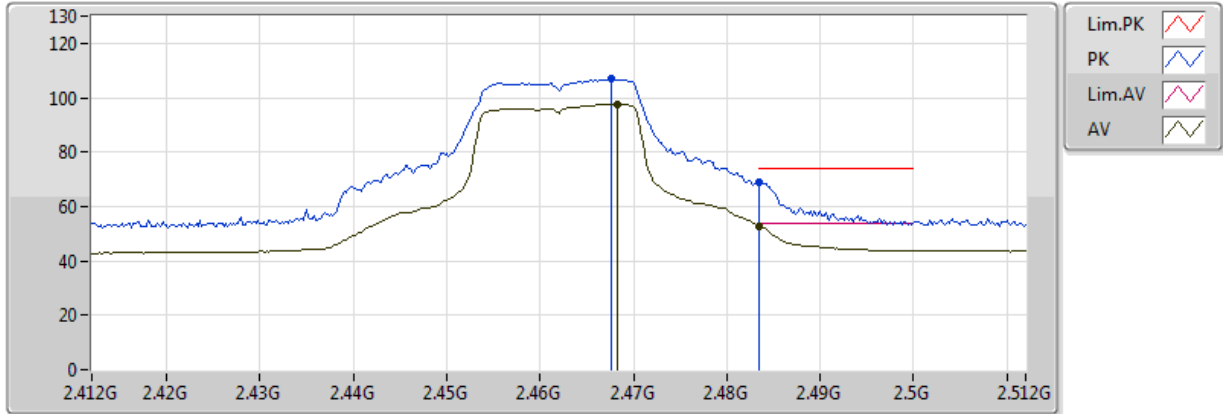


EUT = Y
 ANT = X
 ANT = ANT A

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	35.38	54.00	-18.62	2.17	3	H	43	1.50	-
PK	4.874G	48.17	74.00	-25.83	2.17	3	H	43	1.50	-

802.11g_(6Mbps)_1TX

2462MHz_TX

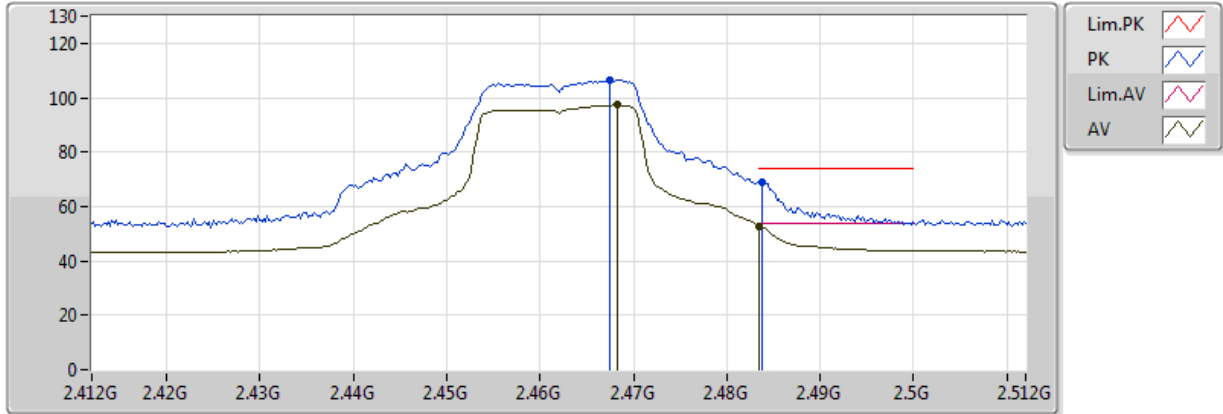


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4682G	97.77	Inf	-Inf	31.02	3	V	323	3.24	-
AV	2.483502G	52.87	54.00	-1.13	31.07	3	V	323	3.24	-
PK	2.4676G	107.04	Inf	-Inf	31.02	3	V	323	3.24	-
PK	2.483502G	68.94	74.00	-5.06	31.07	3	V	323	3.24	-

802.11g_(6Mbps)_1TX

2462MHz_TX

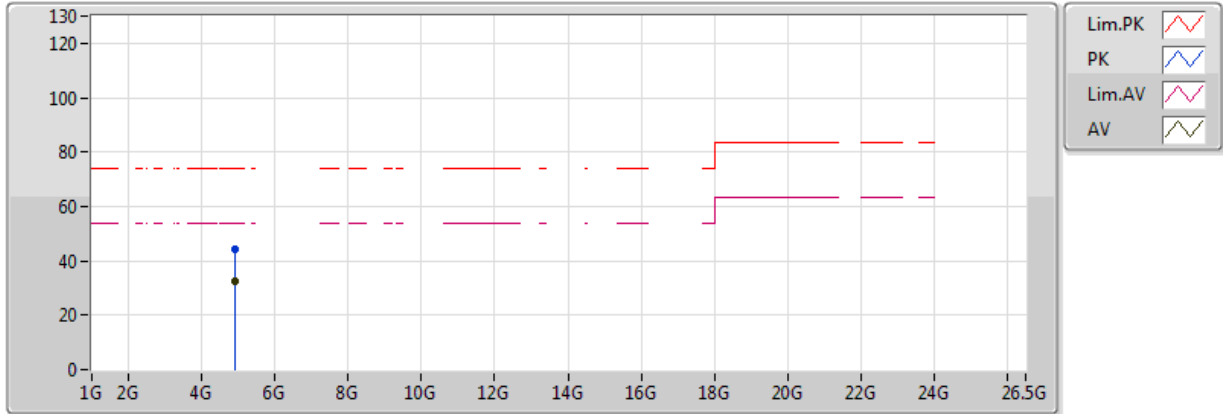


EUT = Y
 ANT = X
 ANT = ANT A

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4682G	97.41	Inf	-Inf	31.02	3	H	225	2.13	-
AV	2.483502G	52.85	54.00	-1.15	31.07	3	H	225	2.13	-
PK	2.4674G	106.63	Inf	-Inf	31.02	3	H	225	2.13	-
PK	2.4838G	68.78	74.00	-5.22	31.07	3	H	225	2.13	-

802.11g_(6Mbps)_1TX

2462MHz_TX

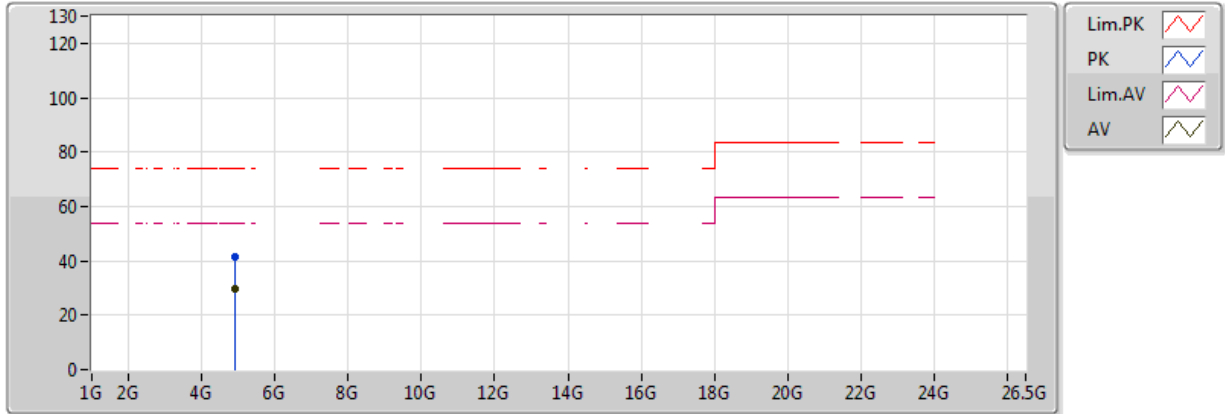


EUT = Y
 ANT = X
 ANT = ANT A

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	32.31	54.00	-21.69	2.31	3	V	21	1.14	-
PK	4.924G	44.23	74.00	-29.77	2.31	3	V	21	1.14	-

802.11g_(6Mbps)_1TX

2462MHz_TX

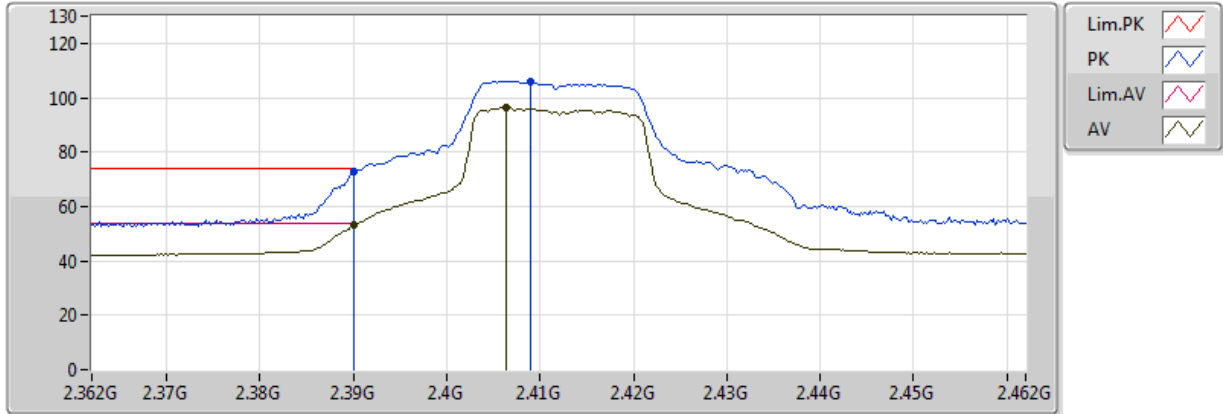


EUT = Y
 ANT = X
 ANT = ANT A

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	29.84	54.00	-24.16	2.31	3	H	0	1.50	-
PK	4.924G	41.45	74.00	-32.55	2.31	3	H	0	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

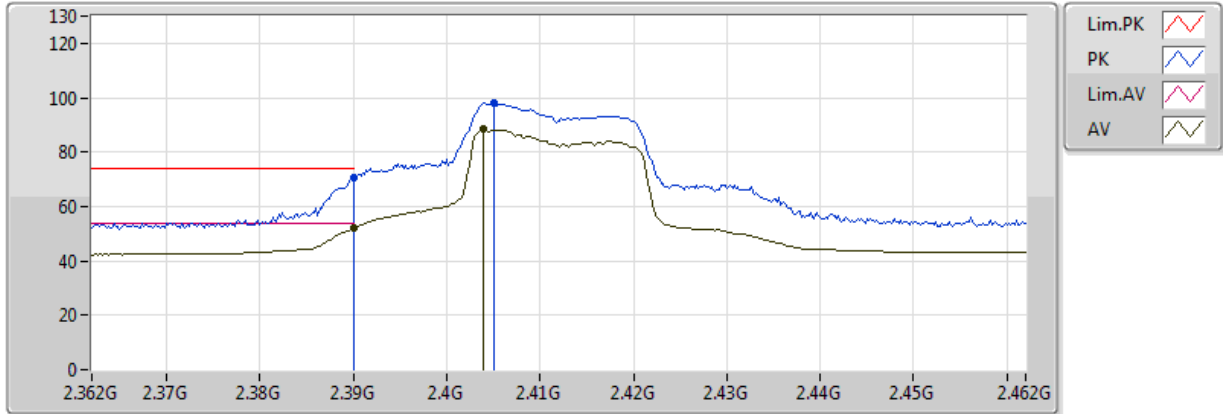
2412MHz_TX



EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4064G	96.36	Inf	-Inf	30.81	3	V	294	3.67	-
AV	2.39G	53.05	54.00	-0.95	30.76	3	V	294	3.67	-
PK	2.409G	106.11	Inf	-Inf	30.82	3	V	294	3.67	-
PK	2.39G	72.95	74.00	-1.05	30.76	3	V	294	3.67	-

802.11n HT20_Nss1,(MCS0)_2TX 2412MHz_TX

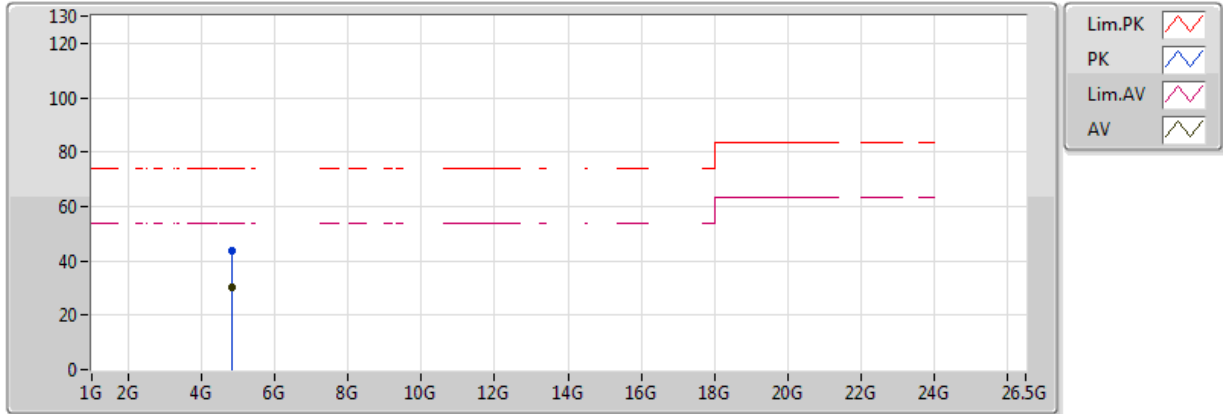


EUT = Y
ANT = X
ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.404G	88.27	Inf	-Inf	30.80	3	H	229	1.17	-
AV	2.39G	52.05	54.00	-1.95	30.76	3	H	229	1.17	-
PK	2.405G	97.91	Inf	-Inf	30.81	3	H	229	1.17	-
PK	2.39G	70.81	74.00	-3.19	30.76	3	H	229	1.17	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

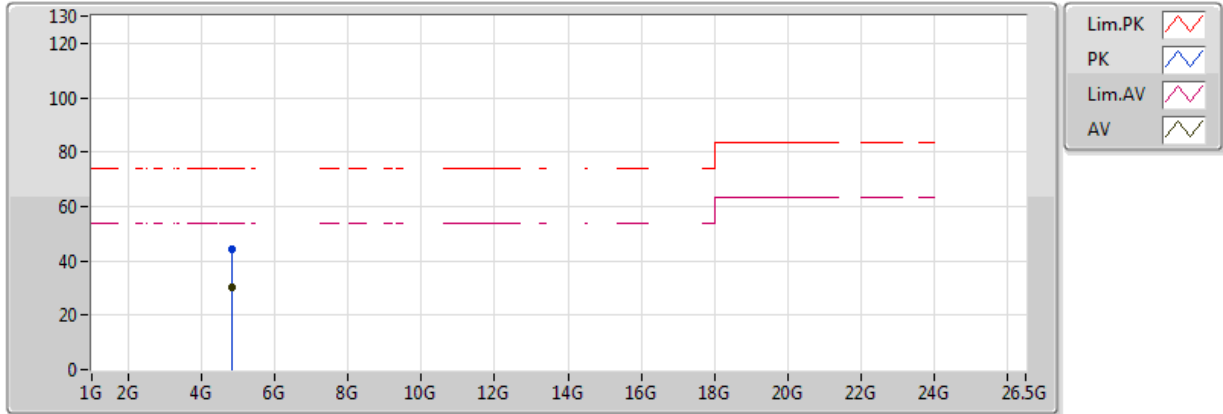


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.28	54.00	-23.72	2.03	3	V	0	1.50	-
PK	4.824G	43.91	74.00	-30.09	2.03	3	V	0	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

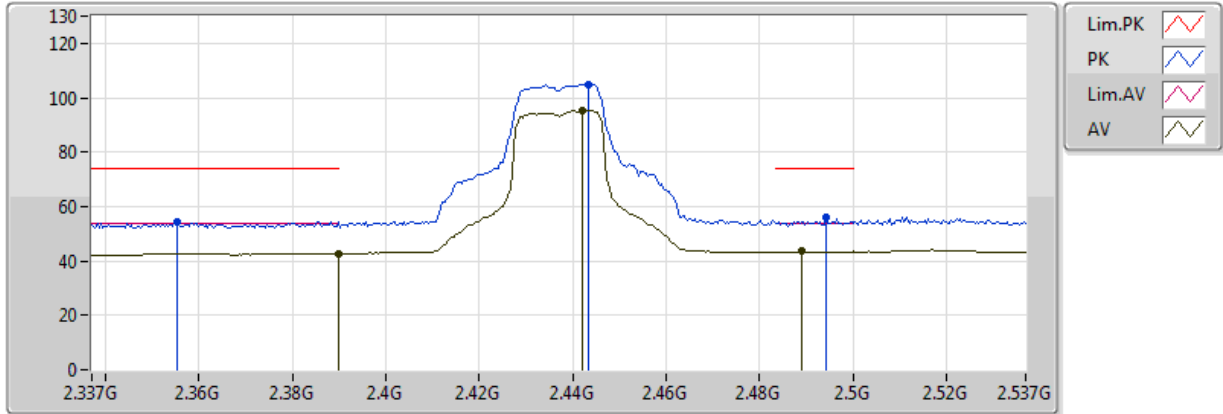


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.44	54.00	-23.56	2.03	3	H	360	1.50	-
PK	4.824G	44.01	74.00	-29.99	2.03	3	H	360	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

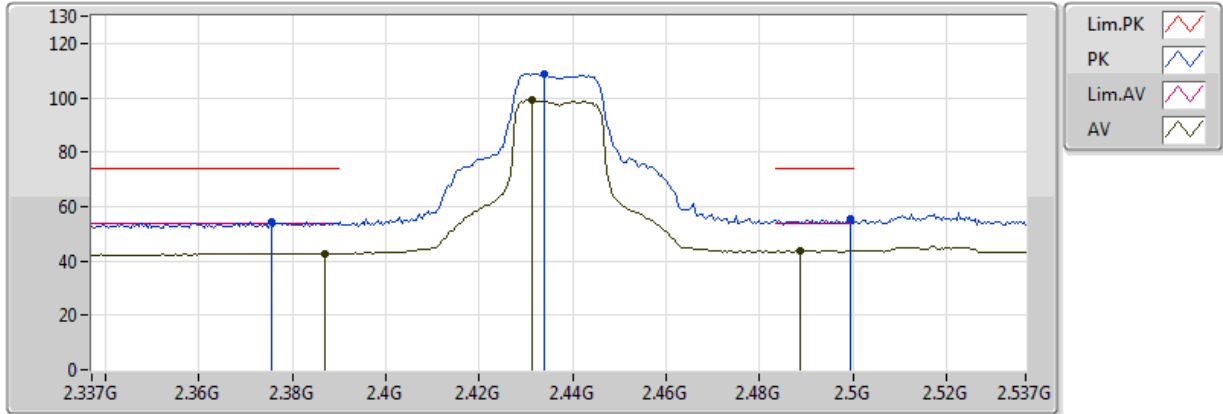


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4422G	95.47	Inf	-Inf	30.93	3	V	38	1.09	-
AV	2.389998G	42.74	54.00	-11.26	30.76	3	V	38	1.09	-
AV	2.489G	43.44	54.00	-10.56	31.09	3	V	38	1.09	-
PK	2.4434G	104.99	Inf	-Inf	30.94	3	V	38	1.09	-
PK	2.3554G	54.31	74.00	-19.69	30.64	3	V	38	1.09	-
PK	2.4942G	55.76	74.00	-18.24	31.11	3	V	38	1.09	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

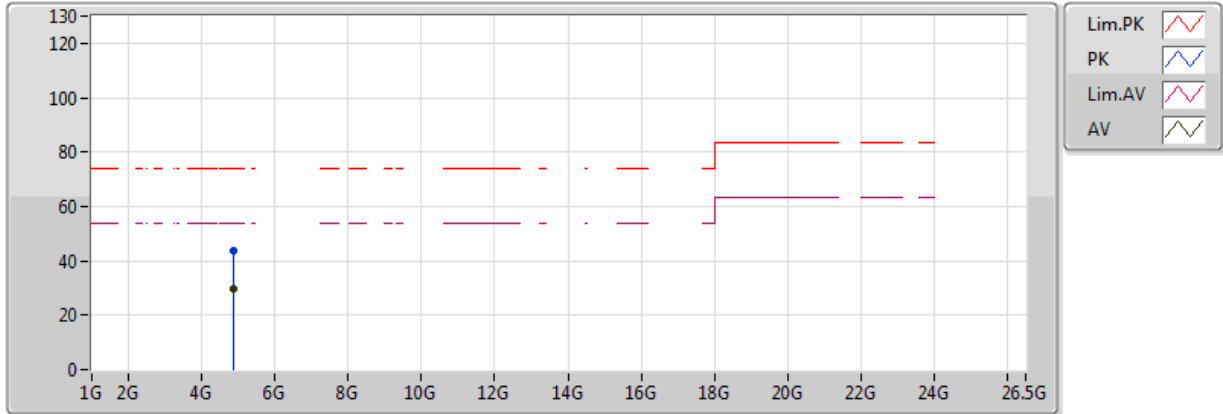


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4314G	99.27	Inf	-Inf	30.90	3	H	29	1.50	-
AV	2.387G	42.83	54.00	-11.17	30.75	3	H	29	1.50	-
AV	2.4886G	43.59	54.00	-10.41	31.09	3	H	29	1.50	-
PK	2.4338G	108.97	Inf	-Inf	30.90	3	H	29	1.50	-
PK	2.3754G	54.30	74.00	-19.70	30.71	3	H	29	1.50	-
PK	2.4994G	55.22	74.00	-18.78	31.13	3	H	29	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

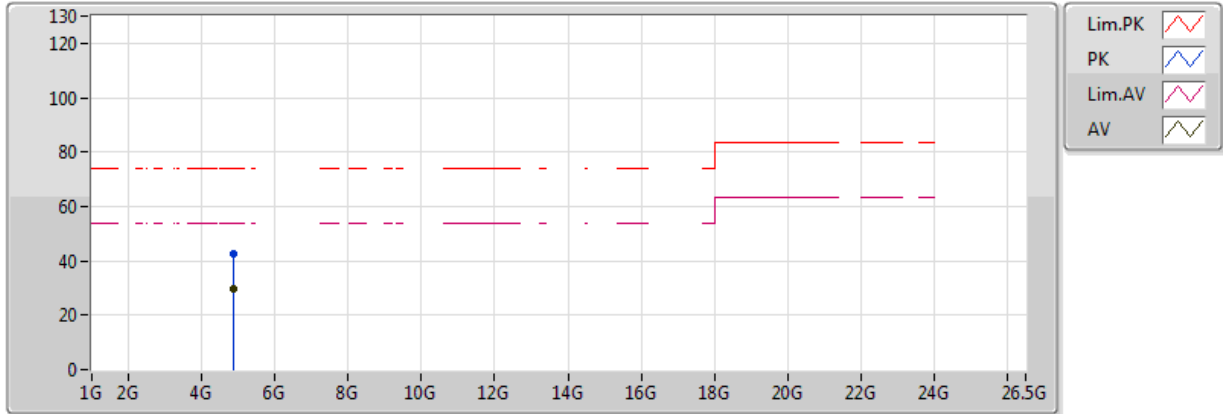


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	29.91	54.00	-24.09	2.17	3	V	360	1.50	-
PK	4.874G	43.71	74.00	-30.29	2.17	3	V	360	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

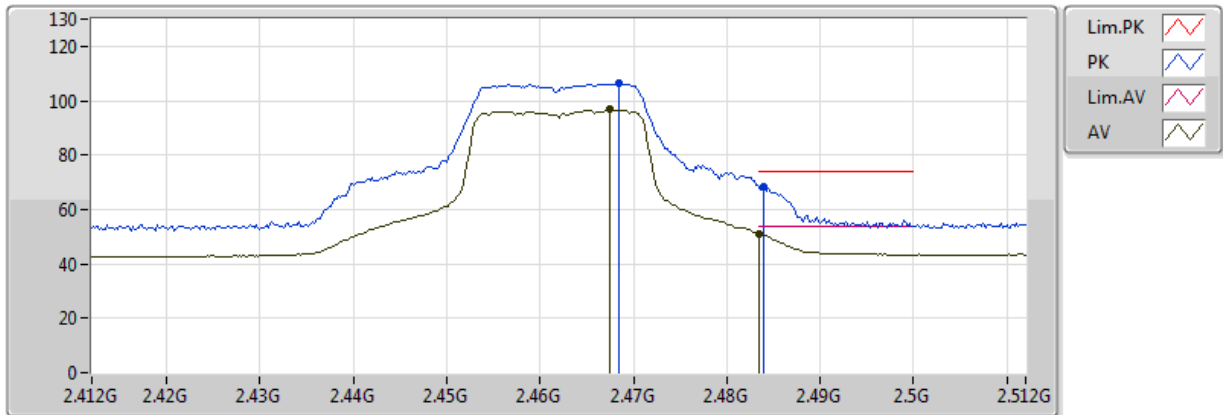


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	29.77	54.00	-24.23	2.17	3	H	0	1.50	-
PK	4.874G	42.73	74.00	-31.27	2.17	3	H	0	1.50	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

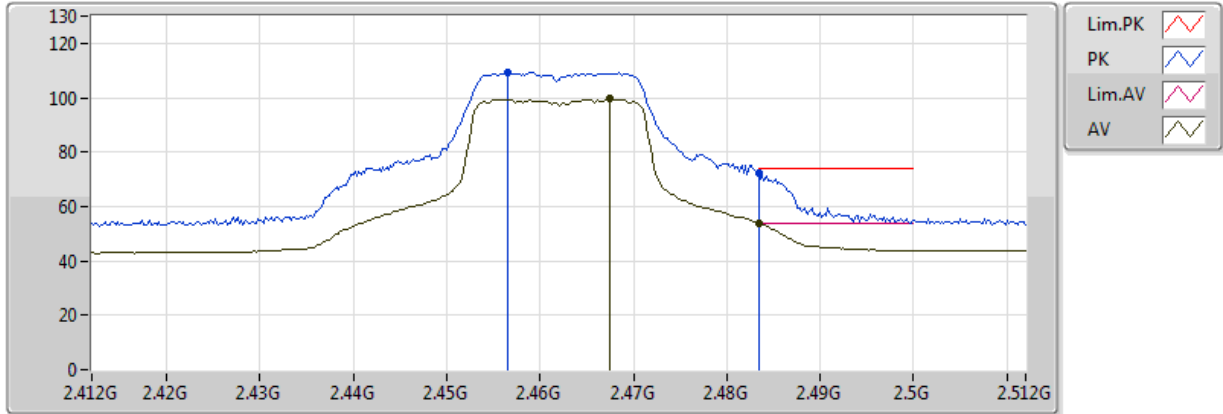


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4674G	96.74	Inf	-Inf	31.02	3	V	220	3.38	-
AV	2.483502G	51.01	54.00	-2.99	31.07	3	V	220	3.38	-
PK	2.4684G	106.32	Inf	-Inf	31.02	3	V	220	3.38	-
PK	2.484G	68.61	74.00	-5.39	31.08	3	V	220	3.38	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

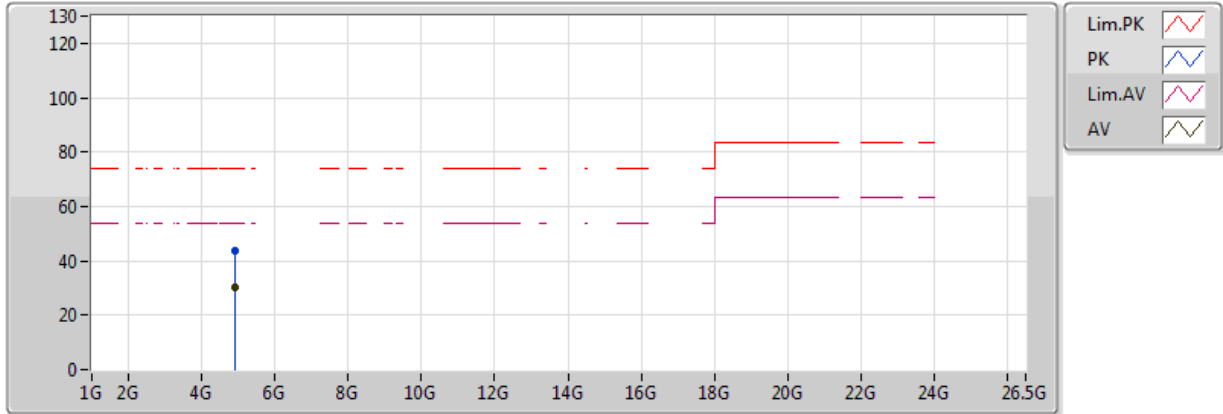


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4674G	99.51	Inf	-Inf	31.02	3	H	310	1.18	-
AV	2.483502G	53.72	54.00	-0.28	31.07	3	H	310	1.18	-
PK	2.4566G	109.08	Inf	-Inf	30.98	3	H	310	1.18	-
PK	2.483502G	72.05	74.00	-1.95	31.07	3	H	310	1.18	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



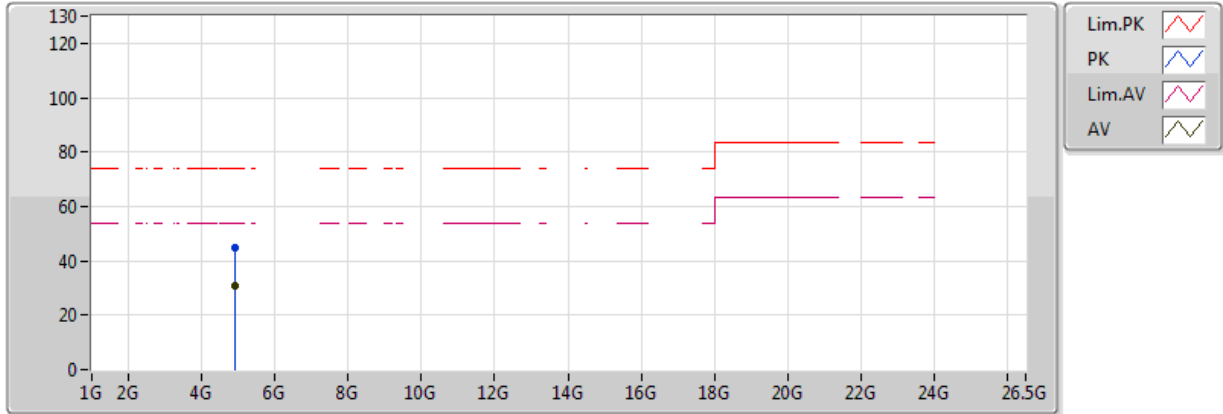
EUT = Y
ANT = X
ANT = ANT A+ANT B

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	30.30	54.00	-23.70	2.31	3	V	0	1.50	-
PK	4.924G	43.65	74.00	-30.35	2.31	3	V	0	1.50	-



802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

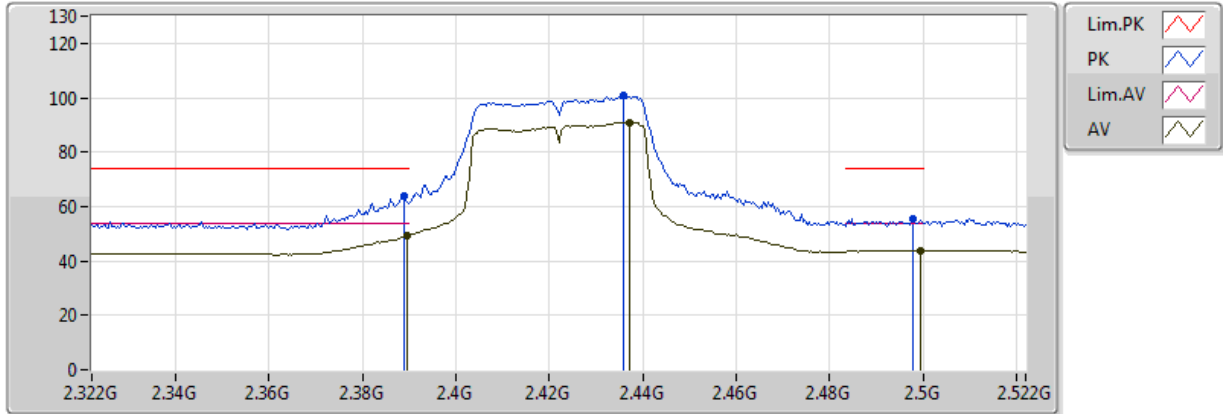


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.62	54.00	-23.38	2.31	3	H	360	1.50	-
PK	4.924G	44.65	74.00	-29.35	2.31	3	H	360	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

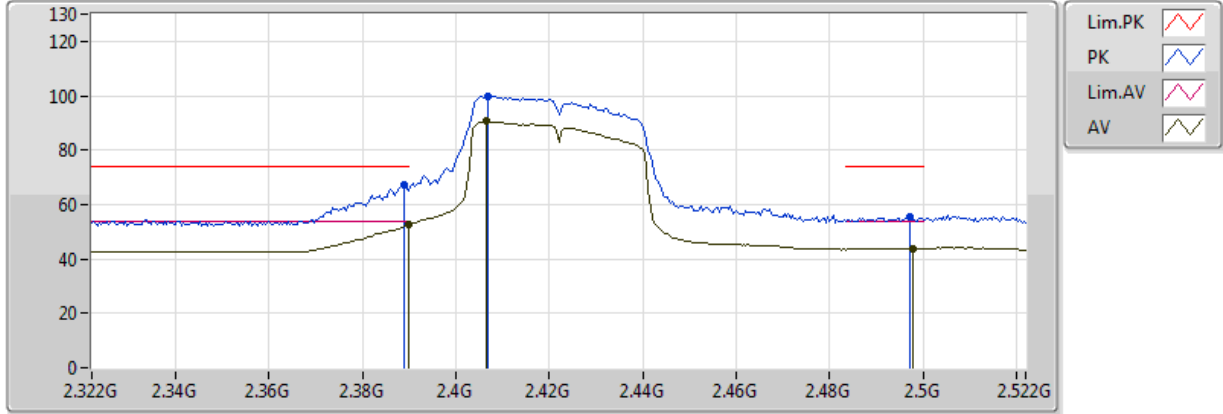


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4372G	90.97	Inf	-Inf	30.92	3	V	38	1.14	-
AV	2.3896G	49.13	54.00	-4.87	30.76	3	V	38	1.14	-
AV	2.4996G	43.82	54.00	-10.18	31.13	3	V	38	1.14	-
PK	2.436G	100.70	Inf	-Inf	30.91	3	V	38	1.14	-
PK	2.3888G	63.98	74.00	-10.02	30.75	3	V	38	1.14	-
PK	2.498G	55.30	74.00	-18.70	31.12	3	V	38	1.14	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

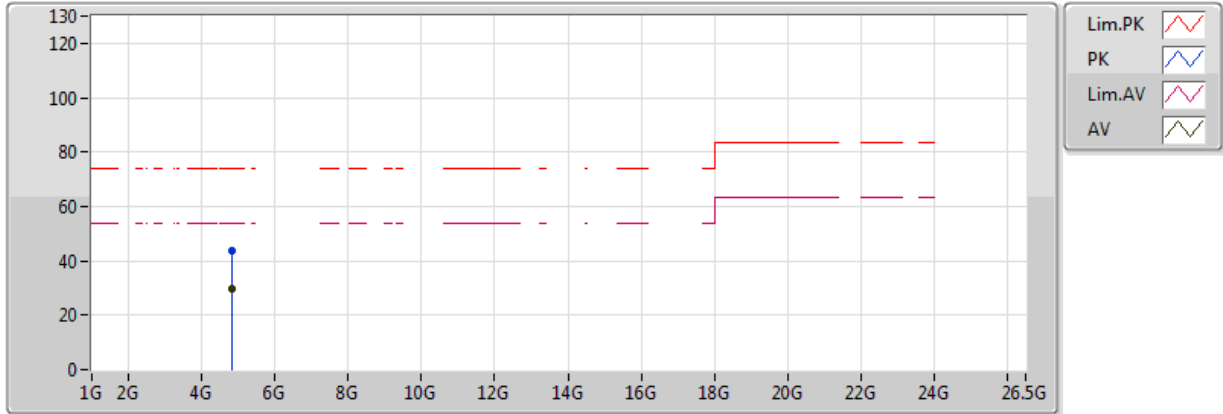


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4064G	90.50	Inf	-Inf	30.81	3	H	229	1.34	-
AV	2.39G	52.60	54.00	-1.40	30.76	3	H	229	1.34	-
AV	2.498G	43.96	54.00	-10.04	31.12	3	H	229	1.34	-
PK	2.4068G	99.98	Inf	-Inf	30.81	3	H	229	1.34	-
PK	2.3888G	67.41	74.00	-6.59	30.75	3	H	229	1.34	-
PK	2.4972G	55.24	74.00	-18.76	31.12	3	H	229	1.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

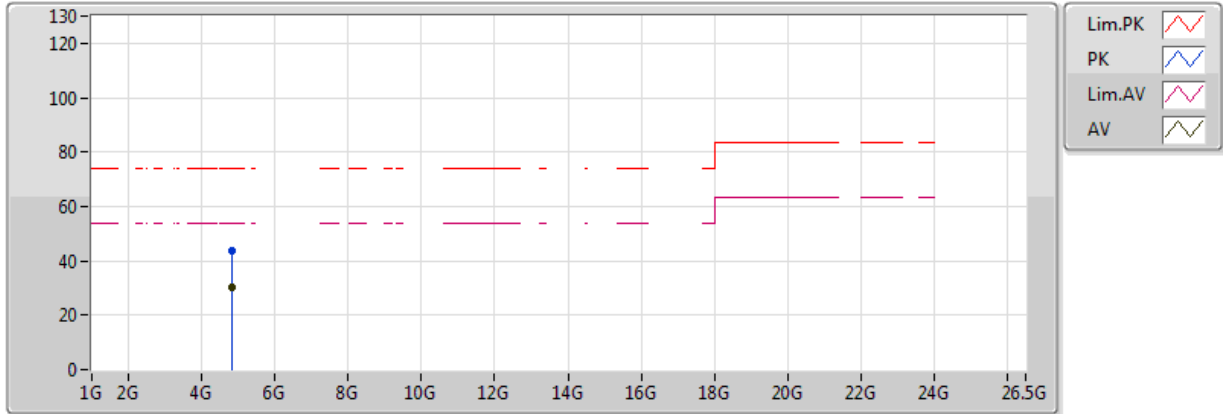


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	29.76	54.00	-24.24	2.09	3	H	360	1.50	-
PK	4.844G	43.55	74.00	-30.45	2.09	3	H	360	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

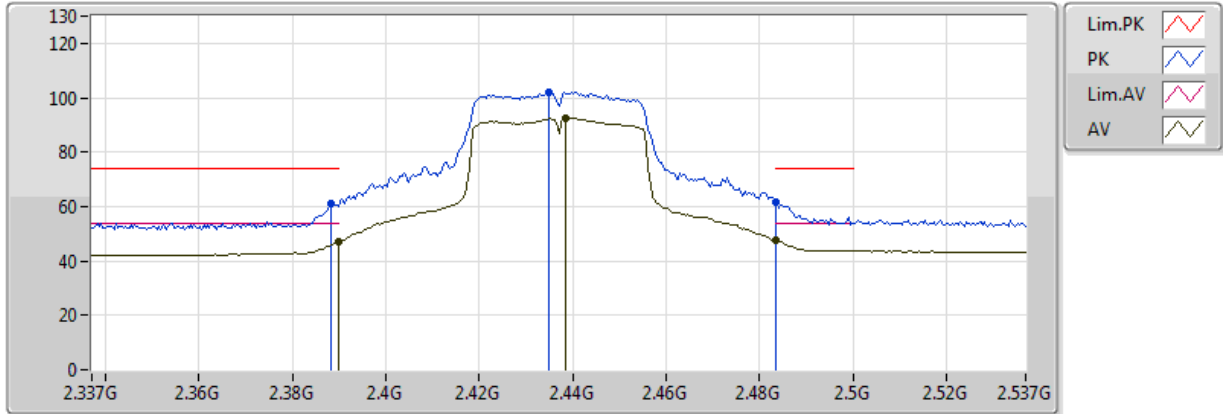


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.09	54.00	-23.91	2.09	3	H	0	1.50	-
PK	4.844G	43.59	74.00	-30.41	2.09	3	H	0	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

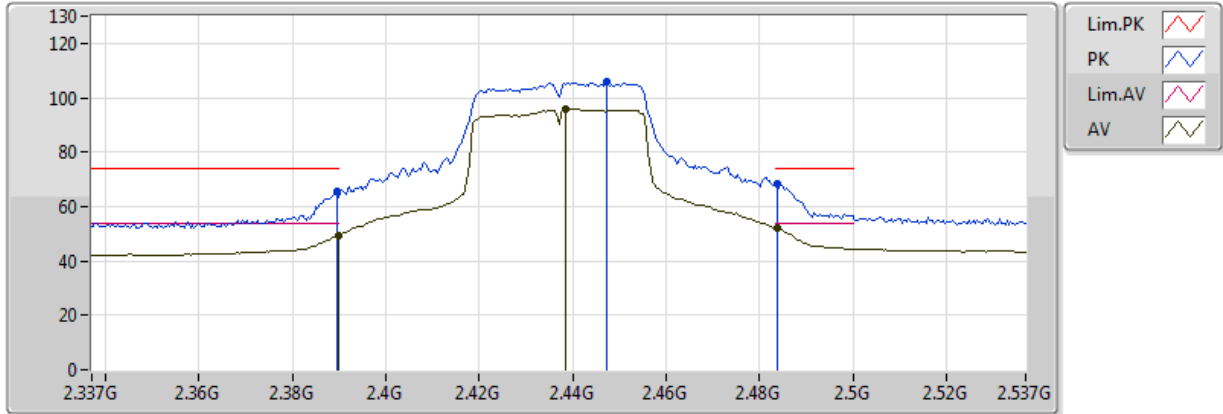


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	46.92	54.00	-7.08	30.76	3	V	309	3.63	-
AV	2.4386G	92.57	Inf	-Inf	30.92	3	V	309	3.63	-
AV	2.483502G	47.55	54.00	-6.45	31.07	3	V	309	3.63	-
PK	2.3882G	60.98	74.00	-13.02	30.75	3	V	309	3.63	-
PK	2.435G	102.20	Inf	-Inf	30.91	3	V	309	3.63	-
PK	2.483502G	61.53	74.00	-12.47	31.07	3	V	309	3.63	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

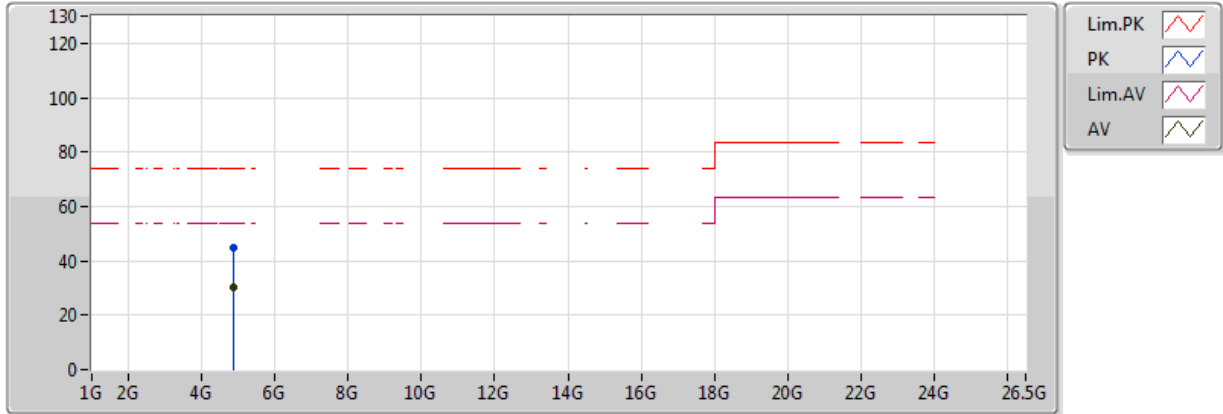


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	49.56	54.00	-4.44	30.76	3	H	228	1.26	-
AV	2.4386G	95.89	Inf	-Inf	30.92	3	H	228	1.26	-
AV	2.4838G	52.39	54.00	-1.61	31.07	3	H	228	1.26	-
PK	2.3894G	65.30	74.00	-8.70	30.76	3	H	228	1.26	-
PK	2.4474G	105.73	Inf	-Inf	30.95	3	H	228	1.26	-
PK	2.4838G	68.32	74.00	-5.68	31.07	3	H	228	1.26	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

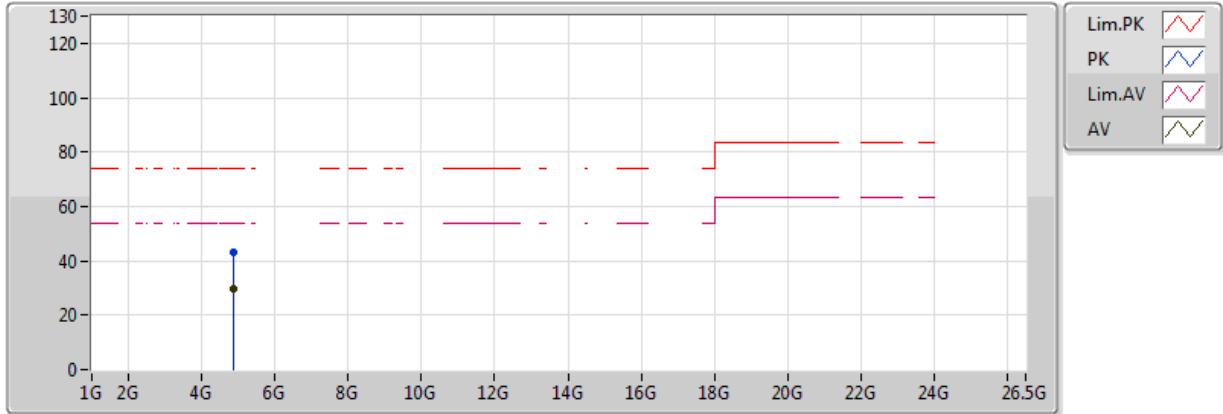


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.14	54.00	-23.86	2.17	3	V	0	1.50	-
PK	4.874G	44.62	74.00	-29.38	2.17	3	V	0	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

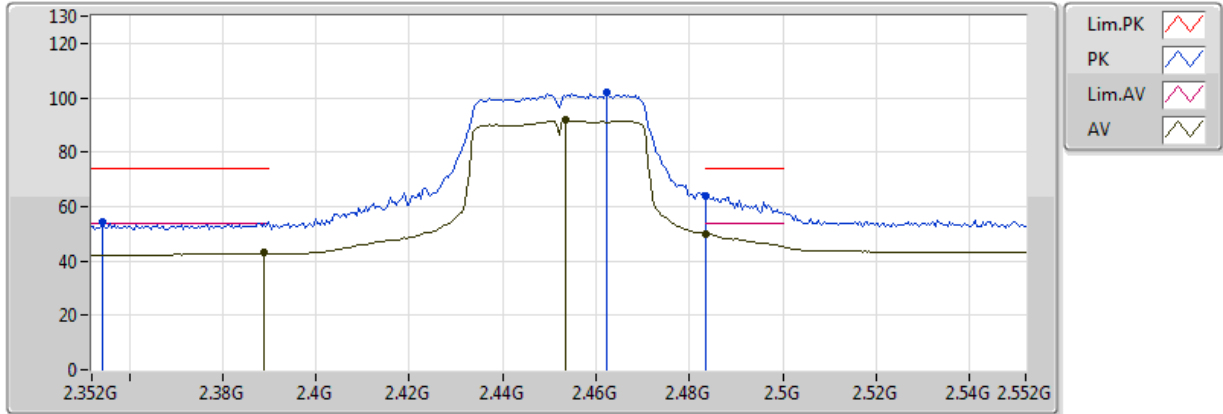
2437MHz_TX



EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	29.90	54.00	-24.10	2.17	3	H	360	1.50	-
PK	4.874G	43.33	74.00	-30.67	2.17	3	H	360	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX 2452MHz_TX

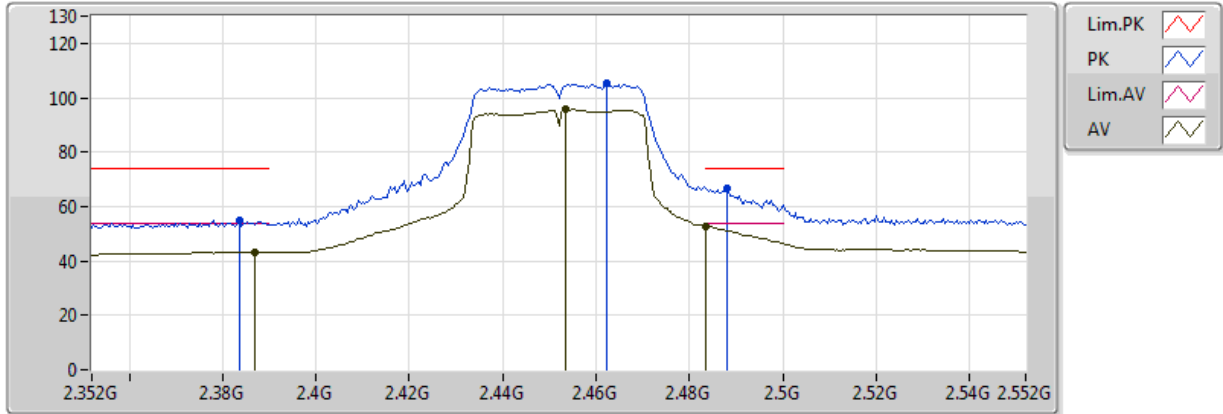


EUT = Y
ANT = X
ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4536G	91.73	Inf	-Inf	30.97	3	V	223	3.36	-
AV	2.3888G	42.87	54.00	-11.13	30.75	3	V	223	3.36	-
AV	2.4836G	49.98	54.00	-4.02	31.07	3	V	223	3.36	-
PK	2.4624G	101.74	Inf	-Inf	31.00	3	V	223	3.36	-
PK	2.3544G	54.25	74.00	-19.75	30.64	3	V	223	3.36	-
PK	2.4836G	64.00	74.00	-10.00	31.07	3	V	223	3.36	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

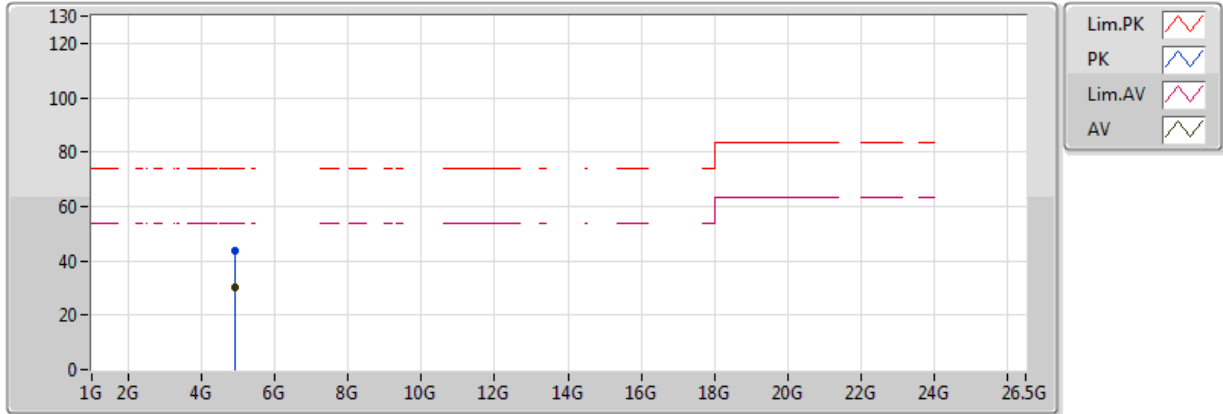


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4536G	95.69	Inf	-Inf	30.97	3	H	302	2.33	-
AV	2.3868G	43.34	54.00	-10.66	30.75	3	H	302	2.33	-
AV	2.4836G	52.88	54.00	-1.12	31.07	3	H	302	2.33	-
PK	2.4624G	105.23	Inf	-Inf	31.00	3	H	302	2.33	-
PK	2.3836G	54.67	74.00	-19.33	30.74	3	H	302	2.33	-
PK	2.488G	66.88	74.00	-7.12	31.09	3	H	302	2.33	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

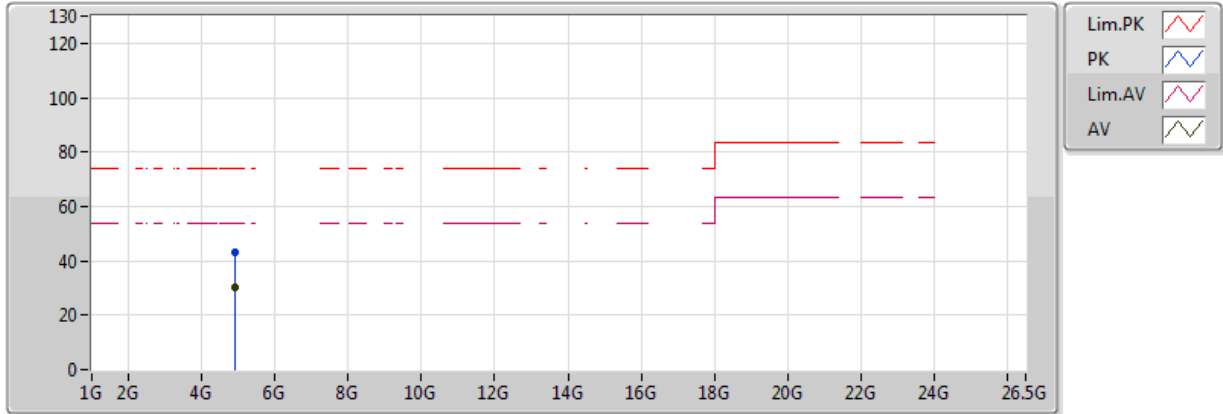


EUT = Y
 ANT = X
 ANT = ANT A+ANT B

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	30.37	54.00	-23.63	2.25	3	V	360	1.50	-
PK	4.904G	43.60	74.00	-30.40	2.25	3	V	360	1.50	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT = Y
ANT = X
ANT = ANT A+ANT B

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	30.34	54.00	-23.66	2.25	3	H	0	1.50	-
PK	4.904G	43.16	74.00	-30.84	2.25	3	H	0	1.50	-



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Fail	-62.00	18.34	3	Horizontal	360	1.00	-	26.63	21.10	-2.76	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	55.53k	41.75	112.70	-70.95	17.80	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	97.266k	54.07	107.84	-53.76	18.28	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	107.418k	44.97	106.98	-62.00	18.34	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	1.1052M	46.24	66.76	-20.51	19.43	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	2.2992M	39.72	69.50	-29.78	19.46	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	16.0899M	29.11	69.50	-40.39	21.72	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	32M	25.44	40.00	-14.56	-5.96	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	144.46M	30.77	43.50	-12.73	-10.07	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	245.34M	31.76	46.00	-14.24	-8.18	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	334.58M	33.80	46.00	-12.20	-6.01	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	491.72M	36.26	46.00	-9.74	-2.66	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	720.64M	32.79	46.00	-13.21	0.08	3	Horizontal	360	1.00	-
2437MHz	Pass	PK	32M	23.43	40.00	-16.57	-5.96	3	Vertical	360	1.00	-
2437MHz	Pass	PK	123.12M	32.51	43.50	-10.99	-8.90	3	Vertical	360	1.00	-
2437MHz	Pass	PK	175.5M	29.99	43.50	-13.51	-11.02	3	Vertical	360	1.00	-
2437MHz	Pass	PK	355.92M	32.10	46.00	-13.90	-5.35	3	Vertical	360	1.00	-
2437MHz	Pass	PK	600.36M	35.03	46.00	-10.97	-1.23	3	Vertical	360	1.00	-
2437MHz	Pass	PK	703.18M	38.48	46.00	-7.52	-0.28	3	Vertical	360	1.00	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

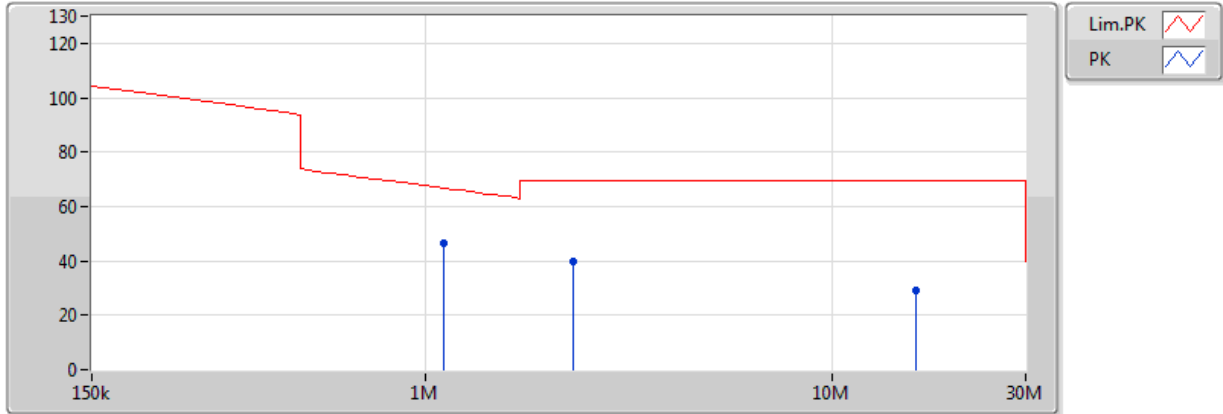


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	55.53k	41.75	112.70	-70.95	17.80	3	Horizontal	360	1.00	-	23.95	20.96	-3.16	-
PK	97.266k	54.07	107.84	-53.76	18.28	3	Horizontal	360	1.00	-	35.79	21.10	-2.82	-
PK	107.418k	44.97	106.98	-62.00	18.34	3	Horizontal	360	1.00	-	26.63	21.10	-2.76	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

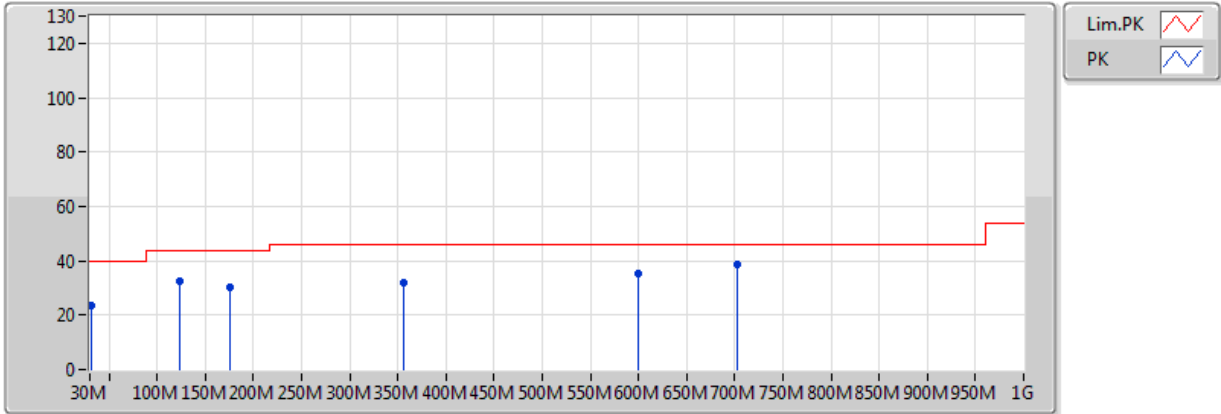


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	1.1052M	46.24	66.76	-20.51	19.43	3	Horizontal	0	1.00	-	26.81	20.77	-1.33	-
PK	2.2992M	39.72	69.50	-29.78	19.46	3	Horizontal	0	1.00	-	20.26	20.35	-0.89	-
PK	16.0899M	29.11	69.50	-40.39	21.72	3	Horizontal	0	1.00	-	7.39	21.42	0.30	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

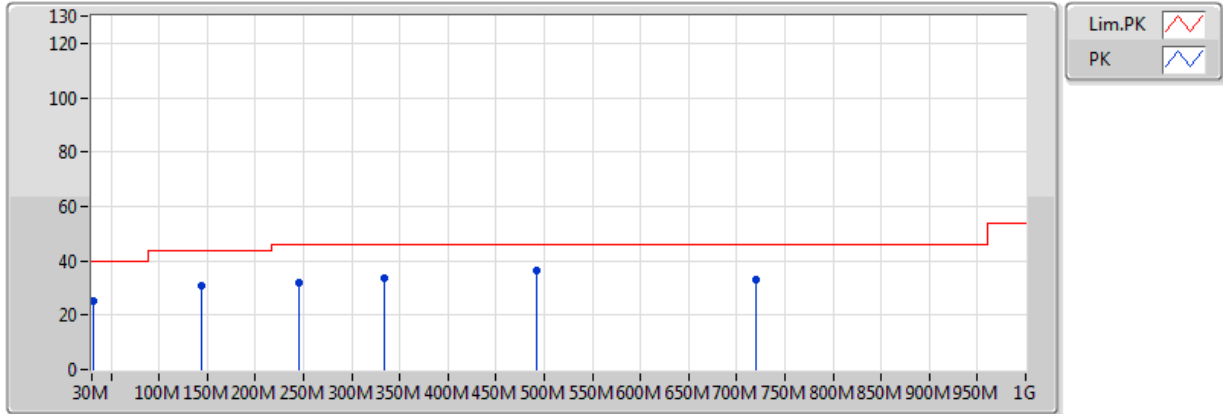


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Condition	Comments	Raw (dBuV)	CL (dB)
PK	32M	23.43	40.00	-16.57	-5.96	Vertical	-	29.39	0.71
PK	123.12M	32.51	43.50	-10.99	-8.90	Vertical	-	41.41	1.64
PK	175.5M	29.99	43.50	-13.51	-11.02	Vertical	-	41.01	1.94
PK	355.92M	32.10	46.00	-13.90	-5.35	Vertical	-	37.45	2.65
PK	600.36M	35.03	46.00	-10.97	-1.23	Vertical	-	36.26	3.66
PK	703.18M	38.48	46.00	-7.52	-0.28	Vertical	-	38.76	4.10

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX



EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Condition	Comments	Raw (dBuV)	CL (dB)
PK	32M	25.44	40.00	-14.56	-5.96	Horizon	-	31.40	0.71
PK	144.46M	30.77	43.50	-12.73	-10.07	Horizon	-	40.84	1.75
PK	245.34M	31.76	46.00	-14.24	-8.18	Horizon	-	39.94	2.20
PK	334.58M	33.80	46.00	-12.20	-6.01	Horizon	-	39.81	2.58
PK	491.72M	36.26	46.00	-9.74	-2.66	Horizon	-	38.92	3.37
PK	720.64M	32.79	46.00	-13.21	0.08	Horizon	-	32.71	4.13



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.483502G	53.81	54.00	-0.19	31.27	3	Horizontal	303	1.23	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3858G	52.04	54.00	-1.96	30.92	3	Horizontal	299	1.50	-
2412MHz	Pass	AV	2.4128G	109.22	Inf	-Inf	31.02	3	Horizontal	299	1.50	-
2412MHz	Pass	AV	4.824G	34.03	54.00	-19.97	2.16	3	Horizontal	227	1.70	-
2412MHz	Pass	PK	2.3898G	61.05	74.00	-12.95	30.93	3	Horizontal	299	1.50	-
2412MHz	Pass	PK	2.412G	111.59	Inf	-Inf	31.01	3	Horizontal	299	1.50	-
2412MHz	Pass	PK	4.824G	46.13	74.00	-27.87	2.16	3	Horizontal	227	1.70	-
2412MHz	Pass	AV	2.3754G	47.60	54.00	-6.40	30.88	3	Vertical	355	1.47	-
2412MHz	Pass	AV	2.4112G	104.04	Inf	-Inf	31.01	3	Vertical	355	1.47	-
2412MHz	Pass	AV	4.824G	32.37	54.00	-21.63	2.16	3	Vertical	223	1.50	-
2412MHz	Pass	PK	2.3742G	60.39	74.00	-13.61	30.88	3	Vertical	355	1.47	-
2412MHz	Pass	PK	2.412G	106.73	Inf	-Inf	31.01	3	Vertical	355	1.47	-
2412MHz	Pass	PK	4.824G	44.91	74.00	-29.09	2.16	3	Vertical	223	1.50	-
2437MHz	Pass	AV	2.3894G	51.21	54.00	-2.79	30.93	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	2.4362G	111.46	Inf	-Inf	31.10	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	2.4846G	53.59	54.00	-0.41	31.27	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	4.874G	35.14	54.00	-18.86	2.32	3	Horizontal	195	1.50	-
2437MHz	Pass	PK	2.3878G	61.37	74.00	-12.63	30.93	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	2.4378G	114.00	Inf	-Inf	31.11	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	2.4846G	65.77	74.00	-8.23	31.27	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	4.874G	46.32	74.00	-27.68	2.32	3	Horizontal	195	1.50	-
2437MHz	Pass	AV	2.3882G	47.79	54.00	-6.21	30.93	3	Vertical	301	2.48	-
2437MHz	Pass	AV	2.4378G	107.47	Inf	-Inf	31.11	3	Vertical	301	2.48	-
2437MHz	Pass	AV	2.4846G	53.42	54.00	-0.58	31.27	3	Vertical	301	2.48	-
2437MHz	Pass	AV	4.874G	35.08	54.00	-18.92	2.32	3	Vertical	206	1.21	-
2437MHz	Pass	PK	2.3886G	60.54	74.00	-13.46	30.93	3	Vertical	301	2.48	-
2437MHz	Pass	PK	2.4378G	110.09	Inf	-Inf	31.11	3	Vertical	301	2.48	-
2437MHz	Pass	PK	2.4846G	63.89	74.00	-10.11	31.27	3	Vertical	301	2.48	-
2437MHz	Pass	PK	4.874G	46.22	74.00	-27.78	2.32	3	Vertical	206	1.21	-
2462MHz	Pass	AV	2.4628G	106.73	Inf	-Inf	31.20	3	Horizontal	303	1.21	-
2462MHz	Pass	AV	2.4878G	52.62	54.00	-1.38	31.29	3	Horizontal	303	1.21	-
2462MHz	Pass	AV	4.924G	31.39	54.00	-22.61	2.48	3	Horizontal	360	1.50	-
2462MHz	Pass	PK	2.462G	109.30	Inf	-Inf	31.19	3	Horizontal	303	1.21	-
2462MHz	Pass	PK	2.4872G	62.90	74.00	-11.10	31.28	3	Horizontal	303	1.21	-
2462MHz	Pass	PK	4.924G	45.77	74.00	-28.23	2.48	3	Horizontal	360	1.50	-
2462MHz	Pass	AV	2.4612G	104.38	Inf	-Inf	31.19	3	Vertical	301	2.17	-
2462MHz	Pass	AV	2.483502G	50.17	54.00	-3.83	31.27	3	Vertical	301	2.17	-
2462MHz	Pass	AV	4.924G	31.15	54.00	-22.85	2.48	3	Vertical	0	1.50	-
2462MHz	Pass	PK	2.462G	107.11	Inf	-Inf	31.19	3	Vertical	301	2.17	-
2462MHz	Pass	PK	2.4872G	63.04	74.00	-10.96	31.28	3	Vertical	301	2.17	-
2462MHz	Pass	PK	4.924G	45.67	74.00	-28.33	2.48	3	Vertical	0	1.50	-
802.11g_(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.72	54.00	-0.28	30.93	3	Horizontal	302	1.36	-
2412MHz	Pass	AV	2.4182G	100.86	Inf	-Inf	31.04	3	Horizontal	302	1.36	-
2412MHz	Pass	AV	4.824G	30.78	54.00	-23.22	2.16	3	Horizontal	0	1.50	-
2412MHz	Pass	PK	2.39G	71.63	74.00	-2.37	30.93	3	Horizontal	302	1.36	-
2412MHz	Pass	PK	2.4184G	109.93	Inf	-Inf	31.04	3	Horizontal	302	1.36	-
2412MHz	Pass	PK	4.824G	45.14	74.00	-28.86	2.16	3	Horizontal	0	1.50	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	AV	2.39G	50.25	54.00	-3.75	30.93	3	Vertical	301	2.26	-
2412MHz	Pass	AV	2.4182G	97.27	Inf	-Inf	31.04	3	Vertical	301	2.26	-
2412MHz	Pass	AV	4.824G	30.54	54.00	-23.46	2.16	3	Vertical	360	1.50	-
2412MHz	Pass	PK	2.39G	67.08	74.00	-6.92	30.93	3	Vertical	301	2.26	-
2412MHz	Pass	PK	2.4178G	106.45	Inf	-Inf	31.03	3	Vertical	301	2.26	-
2412MHz	Pass	PK	4.824G	45.05	74.00	-28.95	2.16	3	Vertical	360	1.50	-
2437MHz	Pass	AV	2.389998G	49.35	54.00	-4.65	30.93	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	2.443G	103.99	Inf	-Inf	31.12	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	2.483502G	53.76	54.00	-0.24	31.27	3	Horizontal	301	1.29	-
2437MHz	Pass	AV	4.874G	30.88	54.00	-23.12	2.32	3	Horizontal	360	1.50	-
2437MHz	Pass	PK	2.3894G	65.40	74.00	-8.60	30.93	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	2.4306G	113.82	Inf	-Inf	31.08	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	2.4846G	72.20	74.00	-1.80	31.27	3	Horizontal	301	1.29	-
2437MHz	Pass	PK	4.874G	46.08	74.00	-27.92	2.32	3	Horizontal	360	1.50	-
2437MHz	Pass	AV	2.389998G	47.19	54.00	-6.81	30.93	3	Vertical	301	2.46	-
2437MHz	Pass	AV	2.4318G	100.53	Inf	-Inf	31.08	3	Vertical	301	2.46	-
2437MHz	Pass	AV	2.483502G	52.76	54.00	-1.24	31.27	3	Vertical	301	2.46	-
2437MHz	Pass	AV	4.874G	30.68	54.00	-23.32	2.32	3	Vertical	0	1.50	-
2437MHz	Pass	PK	2.3894G	62.40	74.00	-11.60	30.93	3	Vertical	301	2.46	-
2437MHz	Pass	PK	2.4306G	110.57	Inf	-Inf	31.08	3	Vertical	301	2.46	-
2437MHz	Pass	PK	2.4846G	70.17	74.00	-3.83	31.27	3	Vertical	301	2.46	-
2437MHz	Pass	PK	4.874G	45.73	74.00	-28.27	2.32	3	Vertical	0	1.50	-
2462MHz	Pass	AV	2.4682G	98.50	Inf	-Inf	31.22	3	Horizontal	303	1.23	-
2462MHz	Pass	AV	2.483502G	53.81	54.00	-0.19	31.27	3	Horizontal	303	1.23	-
2462MHz	Pass	AV	4.924G	30.89	54.00	-23.11	2.48	3	Horizontal	0	1.50	-
2462MHz	Pass	PK	2.4556G	107.84	Inf	-Inf	31.17	3	Horizontal	303	1.23	-
2462MHz	Pass	PK	2.4836G	71.13	74.00	-2.87	31.27	3	Horizontal	303	1.23	-
2462MHz	Pass	PK	4.924G	45.48	74.00	-28.52	2.48	3	Horizontal	0	1.50	-
2462MHz	Pass	AV	2.456G	96.12	Inf	-Inf	31.17	3	Vertical	301	2.16	-
2462MHz	Pass	AV	2.483502G	52.23	54.00	-1.77	31.27	3	Vertical	301	2.16	-
2462MHz	Pass	AV	4.924G	30.70	54.00	-23.30	2.48	3	Vertical	360	1.50	-
2462MHz	Pass	PK	2.4556G	106.05	Inf	-Inf	31.17	3	Vertical	301	2.16	-
2462MHz	Pass	PK	2.483502G	68.69	74.00	-5.31	31.27	3	Vertical	301	2.16	-
2462MHz	Pass	PK	4.924G	44.89	74.00	-29.11	2.48	3	Vertical	360	1.50	-
802.11n HT20_Nss1_(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.86	54.00	-1.14	31.45	3	Horizontal	23	1.09	-
2412MHz	Pass	AV	2.4066G	97.87	Inf	-Inf	31.50	3	Horizontal	23	1.09	-
2412MHz	Pass	AV	4.824G	31.29	54.00	-22.71	2.16	3	Horizontal	221	2.02	-
2412MHz	Pass	PK	2.39G	73.26	74.00	-0.74	31.45	3	Horizontal	23	1.09	-
2412MHz	Pass	PK	2.409G	107.68	Inf	-Inf	31.51	3	Horizontal	23	1.09	-
2412MHz	Pass	PK	4.824G	44.33	74.00	-29.67	2.16	3	Horizontal	221	2.02	-
2412MHz	Pass	AV	2.39G	50.49	54.00	-3.51	31.45	3	Vertical	30	2.71	-
2412MHz	Pass	AV	2.4064G	95.55	Inf	-Inf	31.50	3	Vertical	30	2.71	-
2412MHz	Pass	AV	4.824G	31.28	54.00	-22.72	2.16	3	Vertical	220	1.60	-
2412MHz	Pass	PK	2.39G	70.32	74.00	-3.68	31.45	3	Vertical	30	2.71	-
2412MHz	Pass	PK	2.4062G	105.40	Inf	-Inf	31.50	3	Vertical	30	2.71	-
2412MHz	Pass	PK	4.824G	44.12	74.00	-29.88	2.16	3	Vertical	220	1.60	-
2437MHz	Pass	AV	2.3498G	45.40	54.00	-8.60	30.79	3	Horizontal	22	1.55	-
2437MHz	Pass	AV	2.4314G	98.87	Inf	-Inf	31.08	3	Horizontal	22	1.55	-



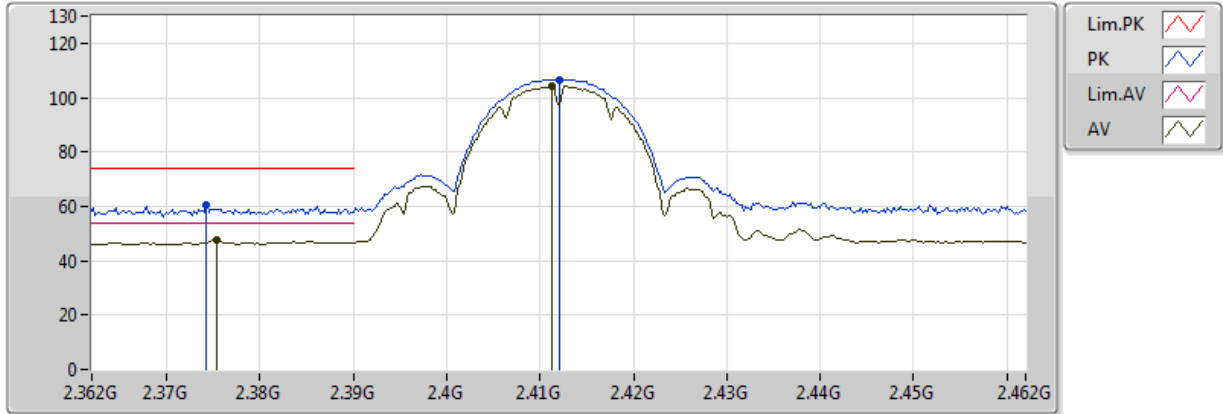
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.4978G	46.07	54.00	-7.93	31.32	3	Horizontal	22	1.55	-
2437MHz	Pass	AV	4.874G	31.81	54.00	-22.19	2.32	3	Horizontal	107	1.77	-
2437MHz	Pass	PK	2.3538G	58.84	74.00	-15.16	30.81	3	Horizontal	22	1.55	-
2437MHz	Pass	PK	2.4342G	108.43	Inf	-Inf	31.09	3	Horizontal	22	1.55	-
2437MHz	Pass	PK	2.4966G	58.77	74.00	-15.23	31.32	3	Horizontal	22	1.55	-
2437MHz	Pass	PK	4.874G	44.11	74.00	-29.89	2.32	3	Horizontal	107	1.77	-
2437MHz	Pass	AV	2.3518G	45.58	54.00	-8.42	31.31	3	Vertical	290	1.04	-
2437MHz	Pass	AV	2.4426G	95.13	Inf	-Inf	31.63	3	Vertical	290	1.04	-
2437MHz	Pass	AV	2.4958G	46.52	54.00	-7.48	31.82	3	Vertical	290	1.04	-
2437MHz	Pass	AV	4.874G	31.82	54.00	-22.18	2.32	3	Vertical	84	1.12	-
2437MHz	Pass	PK	2.3598G	58.53	74.00	-15.47	31.34	3	Vertical	290	1.04	-
2437MHz	Pass	PK	2.4338G	104.40	Inf	-Inf	31.60	3	Vertical	290	1.04	-
2437MHz	Pass	PK	2.4878G	59.28	74.00	-14.72	31.80	3	Vertical	290	1.04	-
2437MHz	Pass	PK	4.874G	44.27	74.00	-29.73	2.32	3	Vertical	84	1.12	-
2462MHz	Pass	AV	2.4564G	95.99	Inf	-Inf	31.68	3	Horizontal	21	1.50	-
2462MHz	Pass	AV	2.483502G	53.67	54.00	-0.33	31.78	3	Horizontal	21	1.50	-
2462MHz	Pass	AV	4.924G	31.86	54.00	-22.14	2.48	3	Horizontal	358	1.95	-
2462MHz	Pass	PK	2.4562G	105.64	Inf	-Inf	31.68	3	Horizontal	21	1.50	-
2462MHz	Pass	PK	2.484G	72.70	74.00	-1.30	31.78	3	Horizontal	21	1.50	-
2462MHz	Pass	PK	4.924G	44.38	74.00	-29.62	2.48	3	Horizontal	358	1.95	-
2462MHz	Pass	AV	2.4674G	91.57	Inf	-Inf	31.72	3	Vertical	289	2.05	-
2462MHz	Pass	AV	2.483502G	50.39	54.00	-3.61	31.78	3	Vertical	289	2.05	-
2462MHz	Pass	AV	4.924G	31.90	54.00	-22.10	2.48	3	Vertical	199	1.63	-
2462MHz	Pass	PK	2.4684G	100.80	Inf	-Inf	31.73	3	Vertical	289	2.05	-
2462MHz	Pass	PK	2.4842G	67.16	74.00	-6.84	31.78	3	Vertical	289	2.05	-
2462MHz	Pass	PK	4.924G	44.64	74.00	-29.36	2.48	3	Vertical	199	1.63	-
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.39G	53.30	54.00	-0.70	31.45	3	Horizontal	21	1.33	-
2422MHz	Pass	AV	2.4204G	93.68	Inf	-Inf	31.55	3	Horizontal	21	1.33	-
2422MHz	Pass	AV	2.4852G	46.82	54.00	-7.18	31.79	3	Horizontal	21	1.33	-
2422MHz	Pass	AV	4.844G	31.74	54.00	-22.26	2.23	3	Horizontal	124	2.34	-
2422MHz	Pass	PK	2.3892G	67.47	74.00	-6.53	31.44	3	Horizontal	21	1.33	-
2422MHz	Pass	PK	2.42G	103.38	Inf	-Inf	31.55	3	Horizontal	21	1.33	-
2422MHz	Pass	PK	2.496G	59.46	74.00	-14.54	31.83	3	Horizontal	21	1.33	-
2422MHz	Pass	PK	4.844G	44.53	74.00	-29.47	2.23	3	Horizontal	124	2.34	-
2422MHz	Pass	AV	2.39G	49.27	54.00	-4.73	30.93	3	Vertical	279	1.02	-
2422MHz	Pass	AV	2.4236G	92.39	Inf	-Inf	31.05	3	Vertical	279	1.02	-
2422MHz	Pass	AV	2.4836G	46.60	54.00	-7.40	31.27	3	Vertical	279	1.02	-
2422MHz	Pass	AV	4.844G	31.60	54.00	-22.40	2.23	3	Vertical	85	2.30	-
2422MHz	Pass	PK	2.3884G	61.96	74.00	-12.04	30.93	3	Vertical	279	1.02	-
2422MHz	Pass	PK	2.4248G	101.42	Inf	-Inf	31.06	3	Vertical	279	1.02	-
2422MHz	Pass	PK	2.4836G	59.43	74.00	-14.57	31.27	3	Vertical	279	1.02	-
2422MHz	Pass	PK	4.844G	44.46	74.00	-29.54	2.23	3	Vertical	85	2.30	-
2437MHz	Pass	AV	2.389998G	50.71	54.00	-3.29	30.93	3	Horizontal	356	2.19	-
2437MHz	Pass	AV	2.433812G	97.29	Inf	-Inf	31.09	3	Horizontal	356	2.19	-
2437MHz	Pass	AV	2.483667G	53.44	54.00	-0.56	31.27	3	Horizontal	356	2.19	-
2437MHz	Pass	AV	4.874G	32.04	54.00	-21.96	2.32	3	Horizontal	315	2.30	-
2437MHz	Pass	PK	2.389174G	60.22	74.00	-13.78	30.93	3	Horizontal	356	2.19	-
2437MHz	Pass	PK	2.421928G	106.29	Inf	-Inf	31.05	3	Horizontal	356	2.19	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	2.483502G	65.68	74.00	-8.32	31.27	3	Horizontal	356	2.19	-
2437MHz	Pass	PK	4.874G	44.25	74.00	-29.75	2.32	3	Horizontal	315	2.30	-
2437MHz	Pass	AV	2.389998G	47.38	54.00	-6.62	30.93	3	Vertical	53	1.43	-
2437MHz	Pass	AV	2.438449G	93.97	Inf	-Inf	31.11	3	Vertical	53	1.43	-
2437MHz	Pass	AV	2.483502G	49.62	54.00	-4.38	31.27	3	Vertical	53	1.43	-
2437MHz	Pass	AV	4.874G	32.04	54.00	-21.96	2.32	3	Vertical	60	1.03	-
2437MHz	Pass	PK	2.389464G	59.04	74.00	-14.96	30.93	3	Vertical	53	1.43	-
2437MHz	Pass	PK	2.439029G	103.19	Inf	-Inf	31.11	3	Vertical	53	1.43	-
2437MHz	Pass	PK	2.483667G	62.64	74.00	-11.36	31.27	3	Vertical	53	1.43	-
2437MHz	Pass	PK	4.874G	44.41	74.00	-29.59	2.32	3	Vertical	60	1.03	-
2452MHz	Pass	AV	2.367072G	46.31	54.00	-7.69	31.36	3	Horizontal	289	1.27	-
2452MHz	Pass	AV	2.438377G	93.64	Inf	-Inf	31.62	3	Horizontal	289	1.27	-
2452MHz	Pass	AV	2.483594G	53.76	54.00	-0.24	31.78	3	Horizontal	289	1.27	-
2452MHz	Pass	AV	4.904G	32.06	54.00	-21.94	2.41	3	Horizontal	336	1.43	-
2452MHz	Pass	PK	2.368522G	57.94	74.00	-16.06	31.37	3	Horizontal	289	1.27	-
2452MHz	Pass	PK	2.441275G	103.15	Inf	-Inf	31.63	3	Horizontal	289	1.27	-
2452MHz	Pass	PK	2.484754G	65.85	74.00	-8.15	31.79	3	Horizontal	289	1.27	-
2452MHz	Pass	PK	4.904G	44.62	74.00	-29.38	2.41	3	Horizontal	336	1.43	-
2452MHz	Pass	AV	2.353449G	45.92	54.00	-8.08	30.81	3	Vertical	280	1.11	-
2452MHz	Pass	AV	2.438377G	91.13	Inf	-Inf	31.11	3	Vertical	280	1.11	-
2452MHz	Pass	AV	2.483594G	51.86	54.00	-2.14	31.27	3	Vertical	280	1.11	-
2452MHz	Pass	AV	4.904G	31.74	54.00	-22.26	2.41	3	Vertical	149	1.49	-
2452MHz	Pass	PK	2.384464G	58.48	74.00	-15.52	30.92	3	Vertical	280	1.11	-
2452MHz	Pass	PK	2.438377G	100.85	Inf	-Inf	31.11	3	Vertical	280	1.11	-
2452MHz	Pass	PK	2.483594G	63.36	74.00	-10.64	31.27	3	Vertical	280	1.11	-
2452MHz	Pass	PK	4.904G	44.19	74.00	-29.81	2.41	3	Vertical	149	1.49	-

802.11b_(1Mbps)_1TX

2412MHz_TX



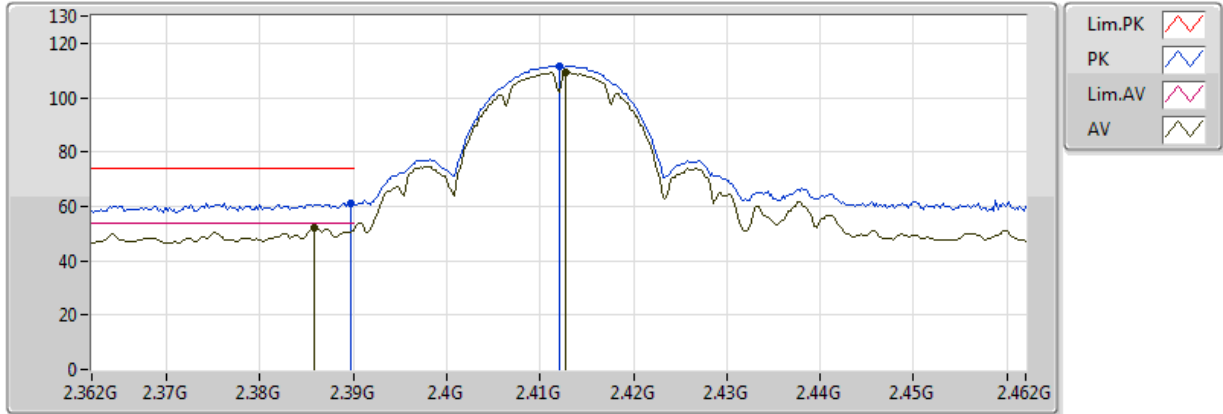
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3754G	47.60	54.00	-6.40	30.88	3	Vertical	355	1.47	-	16.72	27.28	3.61	-
AV	2.4112G	104.04	Inf	-Inf	31.01	3	Vertical	355	1.47	-	73.03	27.37	3.64	-
PK	2.3742G	60.39	74.00	-13.61	30.88	3	Vertical	355	1.47	-	29.51	27.27	3.61	-
PK	2.412G	106.73	Inf	-Inf	31.01	3	Vertical	355	1.47	-	75.72	27.37	3.64	-



802.11b_(1Mbps)_1TX

2412MHz_TX

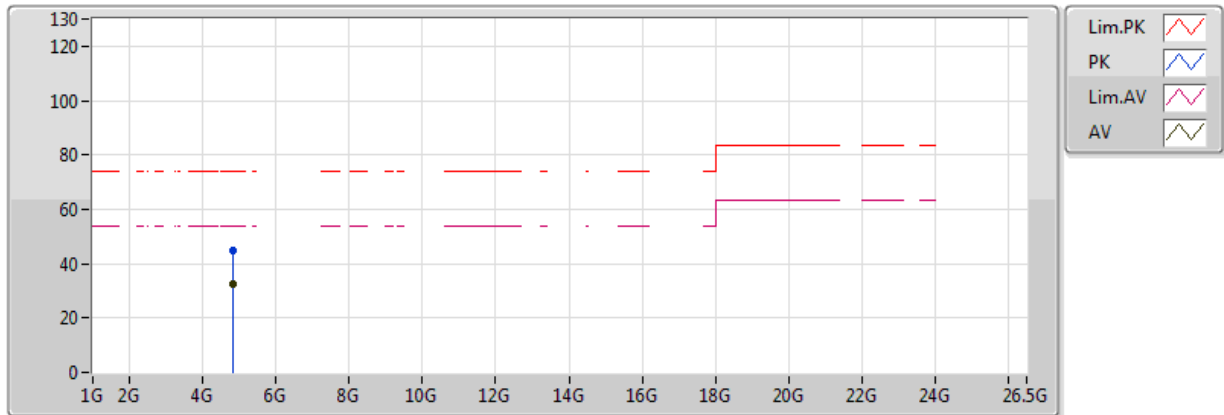


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3858G	52.04	54.00	-1.96	30.92	3	Horizontal	299	1.50	-	21.12	27.30	3.62	-
AV	2.4128G	109.22	Inf	-Inf	31.02	3	Horizontal	299	1.50	-	78.20	27.37	3.64	-
PK	2.3898G	61.05	74.00	-12.95	30.93	3	Horizontal	299	1.50	-	30.12	27.31	3.62	-
PK	2.412G	111.59	Inf	-Inf	31.01	3	Horizontal	299	1.50	-	80.58	27.37	3.64	-

802.11b_(1Mbps)_1TX

2412MHz_TX

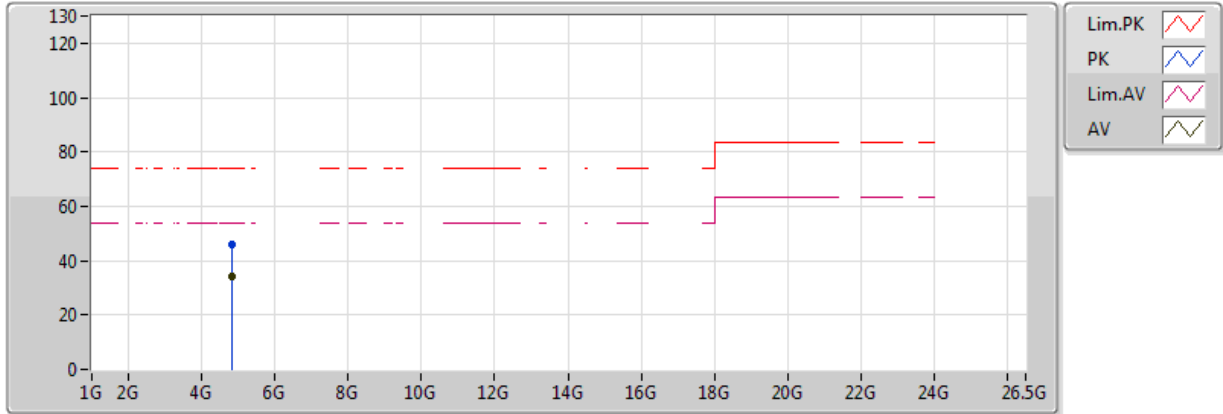


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	32.37	54.00	-21.63	2.16	3	Vertical	223	1.50	-	30.21	31.28	5.41	34.53
PK	4.824G	44.91	74.00	-29.09	2.16	3	Vertical	223	1.50	-	42.75	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2412MHz_TX

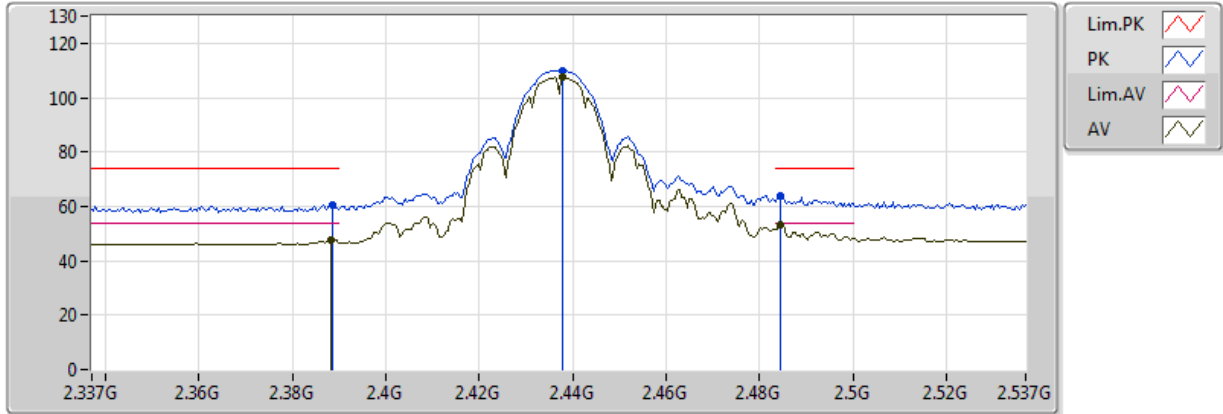


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	34.03	54.00	-19.97	2.16	3	Horizontal	227	1.70	-	31.87	31.28	5.41	34.53
PK	4.824G	46.13	74.00	-27.87	2.16	3	Horizontal	227	1.70	-	43.97	31.28	5.41	34.53

802.11b_(1Mbps)_1TX

2437MHz_TX

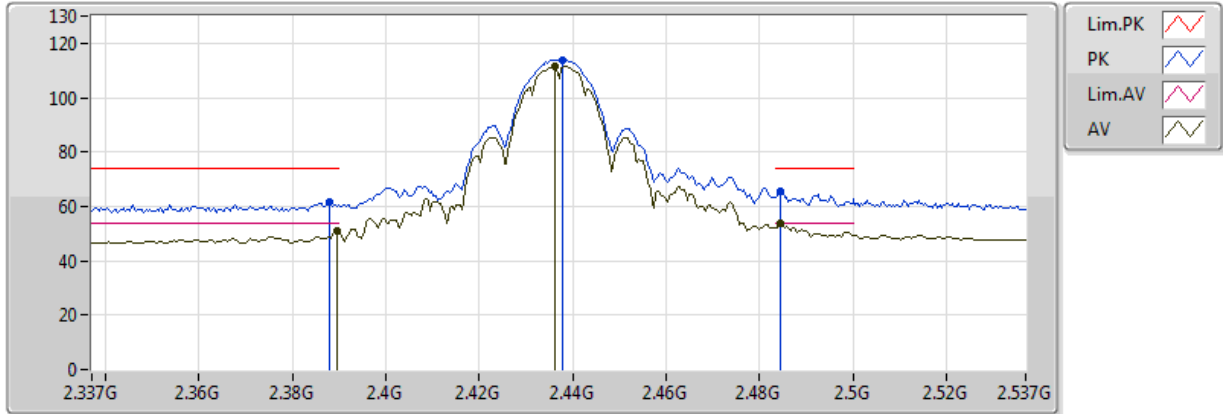


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3882G	47.79	54.00	-6.21	30.93	3	Vertical	301	2.48	-	16.86	27.31	3.62	-
AV	2.4378G	107.47	Inf	-Inf	31.11	3	Vertical	301	2.48	-	76.36	27.44	3.67	-
AV	2.4846G	53.42	54.00	-0.58	31.27	3	Vertical	301	2.48	-	22.15	27.56	3.71	-
PK	2.3886G	60.54	74.00	-13.46	30.93	3	Vertical	301	2.48	-	29.61	27.31	3.62	-
PK	2.4378G	110.09	Inf	-Inf	31.11	3	Vertical	301	2.48	-	78.98	27.44	3.67	-
PK	2.4846G	63.89	74.00	-10.11	31.27	3	Vertical	301	2.48	-	32.62	27.56	3.71	-

802.11b_(1Mbps)_1TX

2437MHz_TX

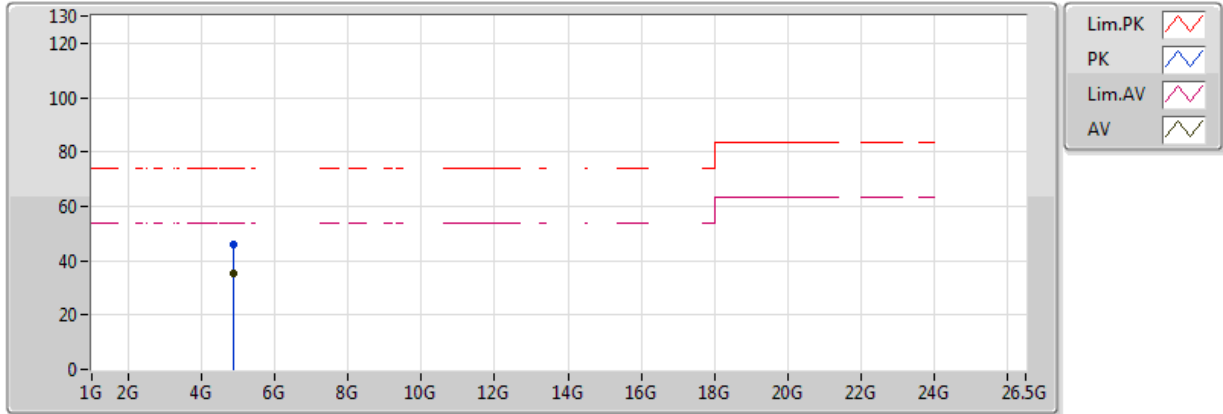


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	51.21	54.00	-2.79	30.93	3	Horizontal	301	1.29	-	20.28	27.31	3.62	-
AV	2.4362G	111.46	Inf	-Inf	31.10	3	Horizontal	301	1.29	-	80.36	27.43	3.67	-
AV	2.4846G	53.59	54.00	-0.41	31.27	3	Horizontal	301	1.29	-	22.32	27.56	3.71	-
PK	2.3878G	61.37	74.00	-12.63	30.93	3	Horizontal	301	1.29	-	30.44	27.31	3.62	-
PK	2.4378G	114.00	Inf	-Inf	31.11	3	Horizontal	301	1.29	-	82.89	27.44	3.67	-
PK	2.4846G	65.77	74.00	-8.23	31.27	3	Horizontal	301	1.29	-	34.49	27.56	3.71	-

802.11b_(1Mbps)_1TX

2437MHz_TX

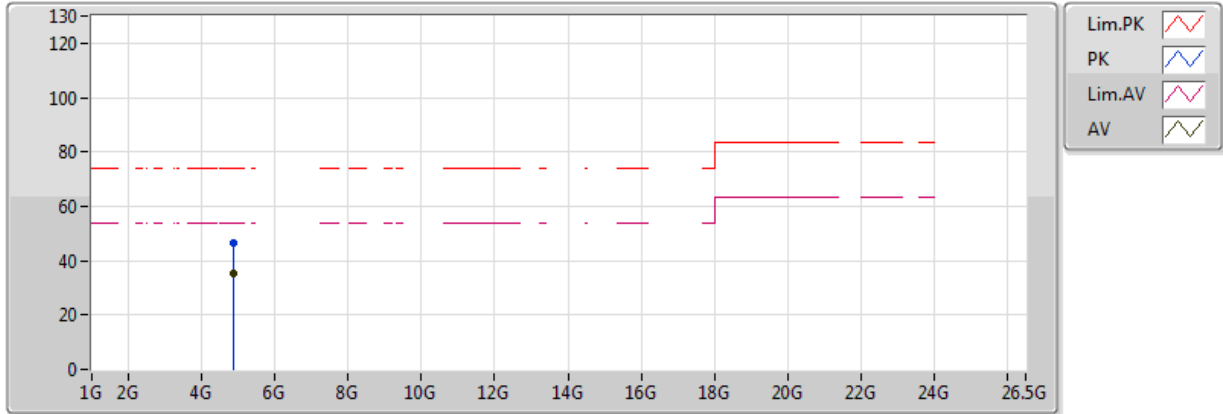


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	35.08	54.00	-18.92	2.32	3	Vertical	206	1.21	-	32.76	31.37	5.46	34.52
PK	4.874G	46.22	74.00	-27.78	2.32	3	Vertical	206	1.21	-	43.90	31.37	5.46	34.52

802.11b_(1Mbps)_1TX

2437MHz_TX



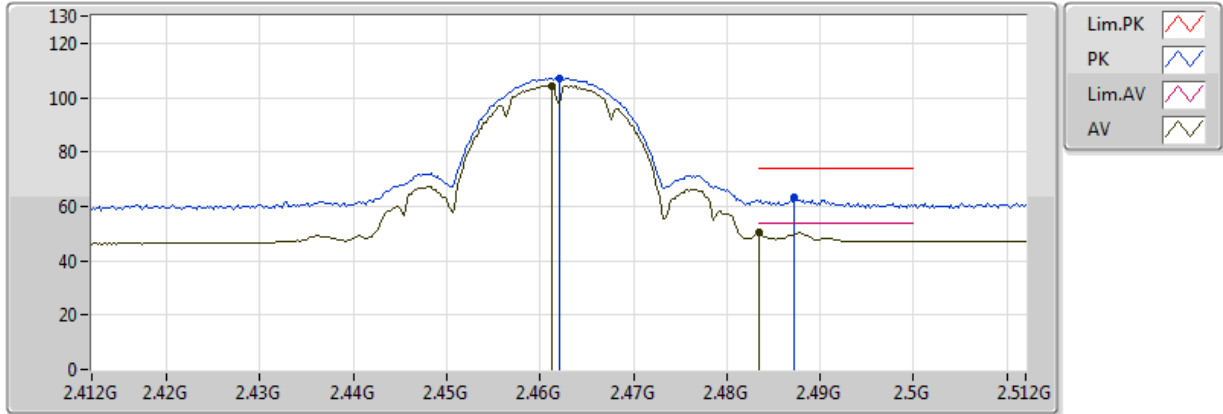
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	35.14	54.00	-18.86	2.32	3	Horizontal	195	1.50	-	32.82	31.37	5.46	34.52
PK	4.874G	46.32	74.00	-27.68	2.32	3	Horizontal	195	1.50	-	44.00	31.37	5.46	34.52



802.11b_(1Mbps)_1TX

2462MHz_TX

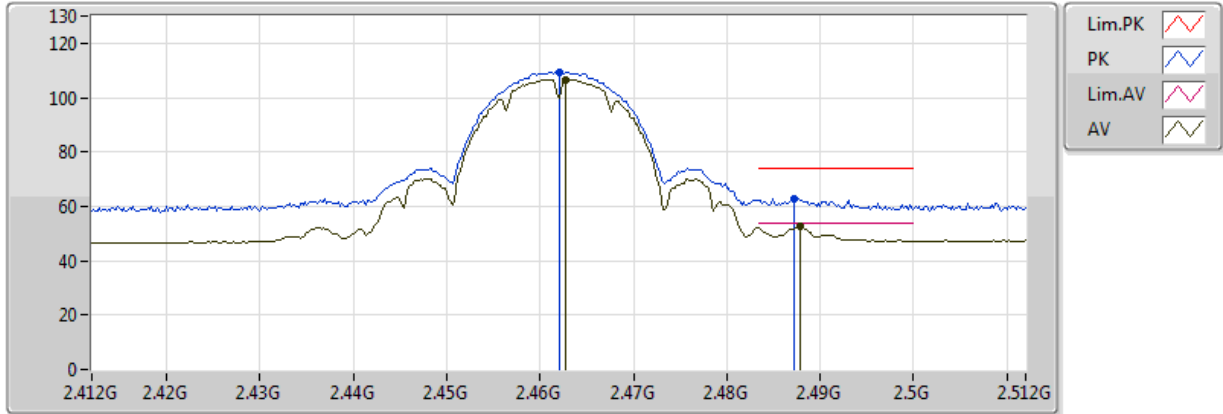


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	104.38	Inf	-Inf	31.19	3	Vertical	301	2.17	-	73.19	27.50	3.69	-
AV	2.483502G	50.17	54.00	-3.83	31.27	3	Vertical	301	2.17	-	18.90	27.56	3.71	-
PK	2.462G	107.11	Inf	-Inf	31.19	3	Vertical	301	2.17	-	75.91	27.50	3.69	-
PK	2.4872G	63.04	74.00	-10.96	31.28	3	Vertical	301	2.17	-	31.76	27.57	3.72	-

802.11b_(1Mbps)_1TX

2462MHz_TX

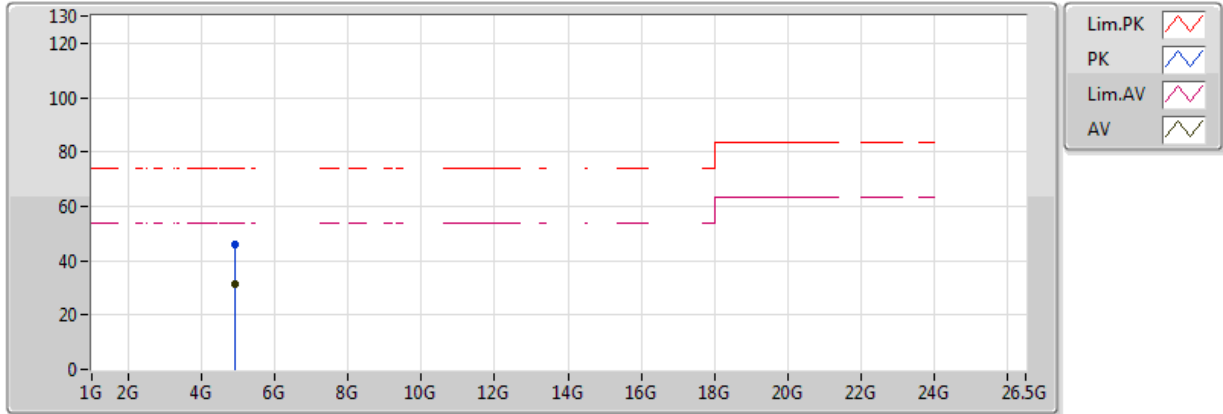


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4628G	106.73	Inf	-Inf	31.20	3	Horizontal	303	1.21	-	75.53	27.50	3.69	-
AV	2.4878G	52.62	54.00	-1.38	31.29	3	Horizontal	303	1.21	-	21.34	27.57	3.72	-
PK	2.462G	109.30	Inf	-Inf	31.19	3	Horizontal	303	1.21	-	78.11	27.50	3.69	-
PK	2.4872G	62.90	74.00	-11.10	31.28	3	Horizontal	303	1.21	-	31.61	27.57	3.72	-

802.11b_(1Mbps)_1TX

2462MHz_TX

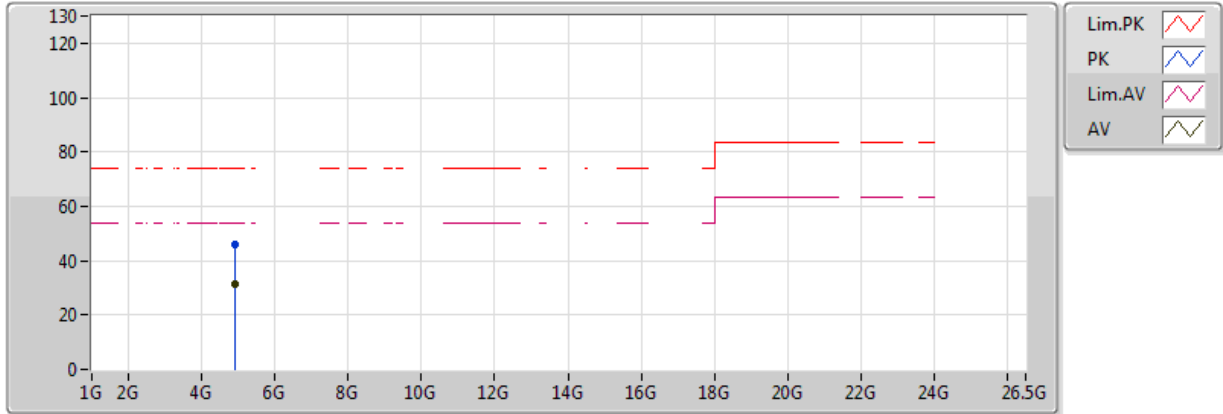


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	31.15	54.00	-22.85	2.48	3	Vertical	0	1.50	-	28.67	31.46	5.52	34.50
PK	4.924G	45.67	74.00	-28.33	2.48	3	Vertical	0	1.50	-	43.19	31.46	5.52	34.50

802.11b_(1Mbps)_1TX

2462MHz_TX

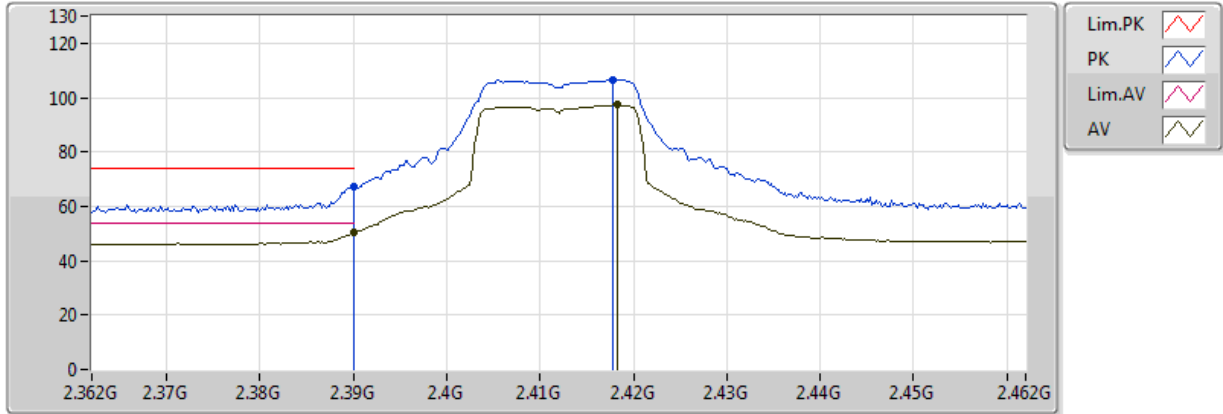


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	31.39	54.00	-22.61	2.48	3	Horizontal	360	1.50	-	28.91	31.46	5.52	34.50
PK	4.924G	45.77	74.00	-28.23	2.48	3	Horizontal	360	1.50	-	43.29	31.46	5.52	34.50

802.11g_(6Mbps)_1TX

2412MHz_TX



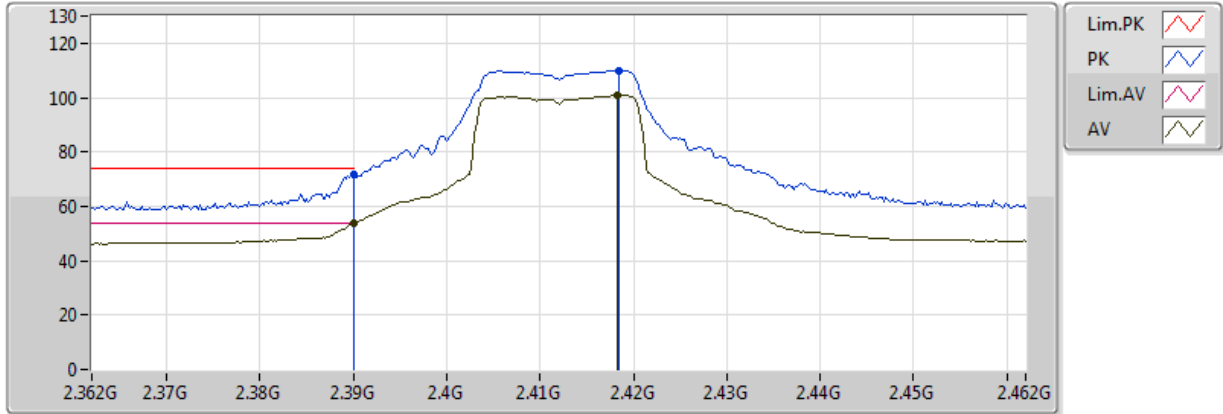
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.25	54.00	-3.75	30.93	3	Vertical	301	2.26	-	19.32	27.31	3.62	-
AV	2.4182G	97.27	Inf	-Inf	31.04	3	Vertical	301	2.26	-	66.24	27.39	3.65	-
PK	2.39G	67.08	74.00	-6.92	30.93	3	Vertical	301	2.26	-	36.15	27.31	3.62	-
PK	2.4178G	106.45	Inf	-Inf	31.03	3	Vertical	301	2.26	-	75.42	27.39	3.65	-



802.11g_(6Mbps)_1TX

2412MHz_TX

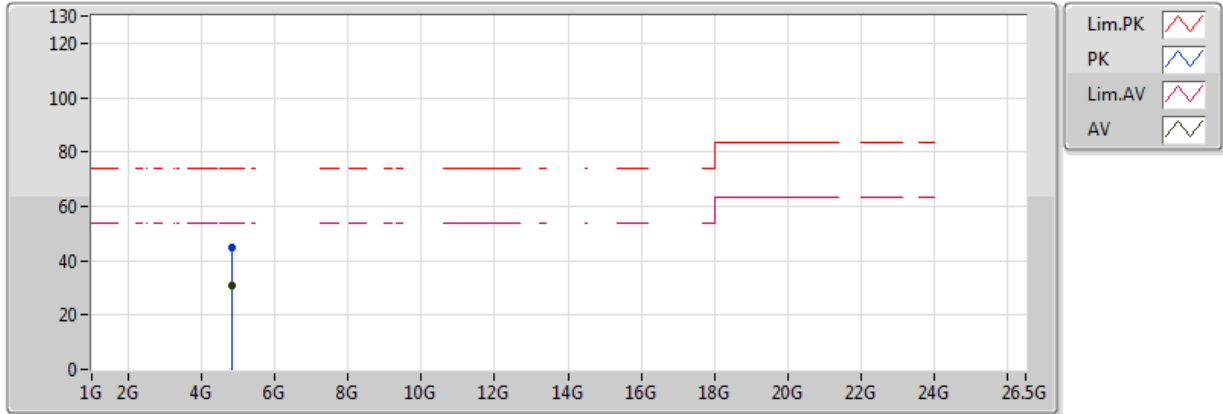


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.72	54.00	-0.28	30.93	3	Horizontal	302	1.36	-	22.78	27.31	3.62	-
AV	2.4182G	100.86	Inf	-Inf	31.04	3	Horizontal	302	1.36	-	69.82	27.39	3.65	-
PK	2.39G	71.63	74.00	-2.37	30.93	3	Horizontal	302	1.36	-	40.70	27.31	3.62	-
PK	2.4184G	109.93	Inf	-Inf	31.04	3	Horizontal	302	1.36	-	78.90	27.39	3.65	-

802.11g_(6Mbps)_1TX

2412MHz_TX

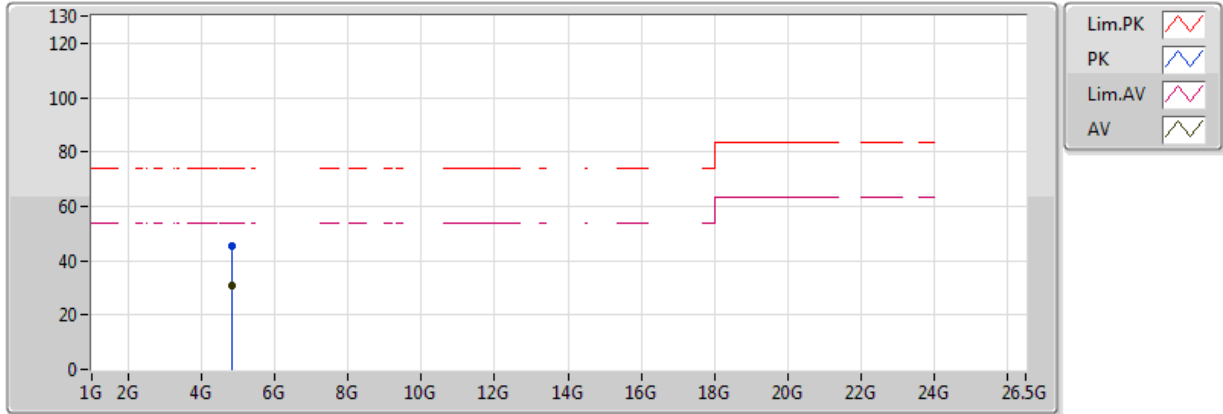


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	30.54	54.00	-23.46	2.16	3	Vertical	360	1.50	-	28.38	31.28	5.41	34.53
PK	4.824G	45.05	74.00	-28.95	2.16	3	Vertical	360	1.50	-	42.89	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2412MHz_TX

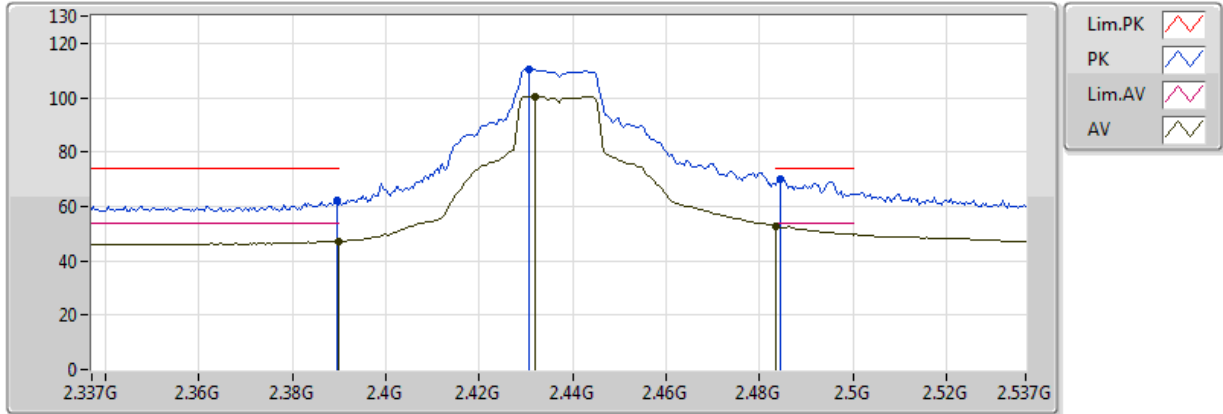


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	30.78	54.00	-23.22	2.16	3	Horizontal	0	1.50	-	28.62	31.28	5.41	34.53
PK	4.824G	45.14	74.00	-28.86	2.16	3	Horizontal	0	1.50	-	42.98	31.28	5.41	34.53

802.11g_(6Mbps)_1TX

2437MHz_TX



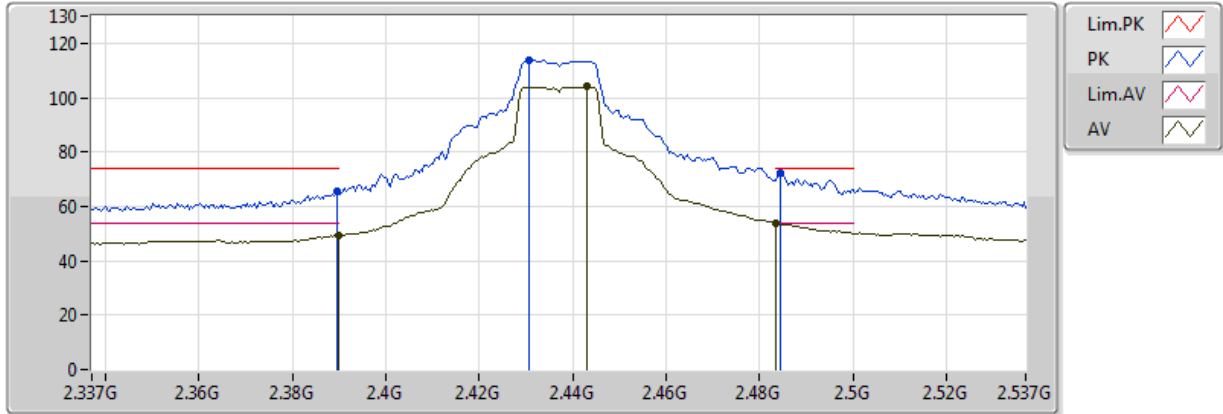
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	47.19	54.00	-6.81	30.93	3	Vertical	301	2.46	-	16.25	27.31	3.62	-
AV	2.4318G	100.53	Inf	-Inf	31.08	3	Vertical	301	2.46	-	69.44	27.42	3.66	-
AV	2.483502G	52.76	54.00	-1.24	31.27	3	Vertical	301	2.46	-	21.49	27.56	3.71	-
PK	2.3894G	62.40	74.00	-11.60	30.93	3	Vertical	301	2.46	-	31.47	27.31	3.62	-
PK	2.4306G	110.57	Inf	-Inf	31.08	3	Vertical	301	2.46	-	79.49	27.42	3.66	-
PK	2.4846G	70.17	74.00	-3.83	31.27	3	Vertical	301	2.46	-	38.90	27.56	3.71	-



802.11g_(6Mbps)_1TX

2437MHz_TX

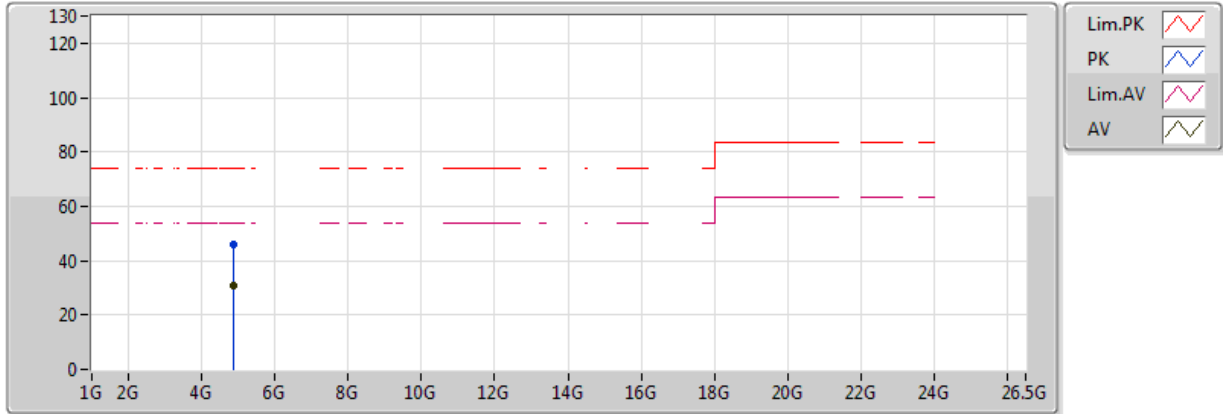


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	49.35	54.00	-4.65	30.93	3	Horizontal	301	1.29	-	18.41	27.31	3.62	-
AV	2.443G	103.99	Inf	-Inf	31.12	3	Horizontal	301	1.29	-	72.87	27.45	3.67	-
AV	2.483502G	53.76	54.00	-0.24	31.27	3	Horizontal	301	1.29	-	22.49	27.56	3.71	-
PK	2.3894G	65.40	74.00	-8.60	30.93	3	Horizontal	301	1.29	-	34.47	27.31	3.62	-
PK	2.4306G	113.82	Inf	-Inf	31.08	3	Horizontal	301	1.29	-	82.74	27.42	3.66	-
PK	2.4846G	72.20	74.00	-1.80	31.27	3	Horizontal	301	1.29	-	40.93	27.56	3.71	-

802.11g_(6Mbps)_1TX

2437MHz_TX

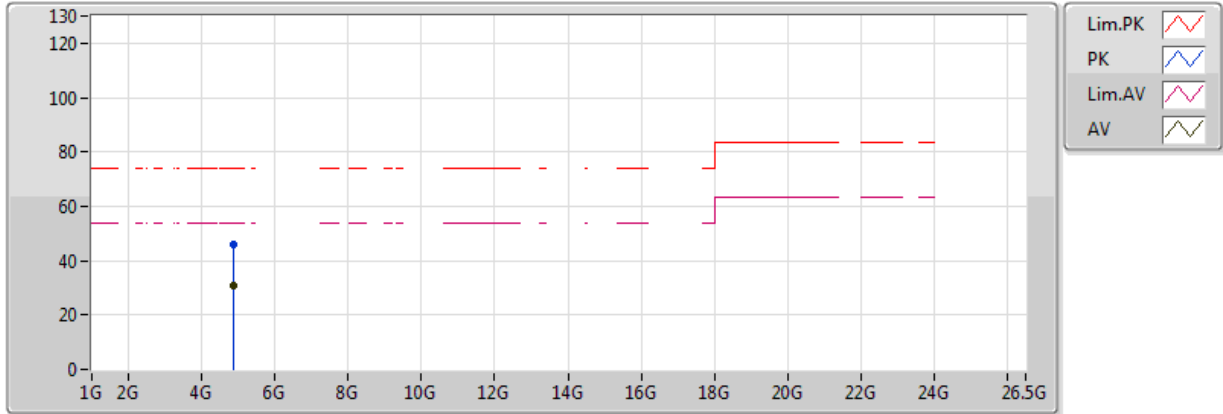


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	30.68	54.00	-23.32	2.32	3	Vertical	0	1.50	-	28.36	31.37	5.46	34.52
PK	4.874G	45.73	74.00	-28.27	2.32	3	Vertical	0	1.50	-	43.41	31.37	5.46	34.52

802.11g_(6Mbps)_1TX

2437MHz_TX



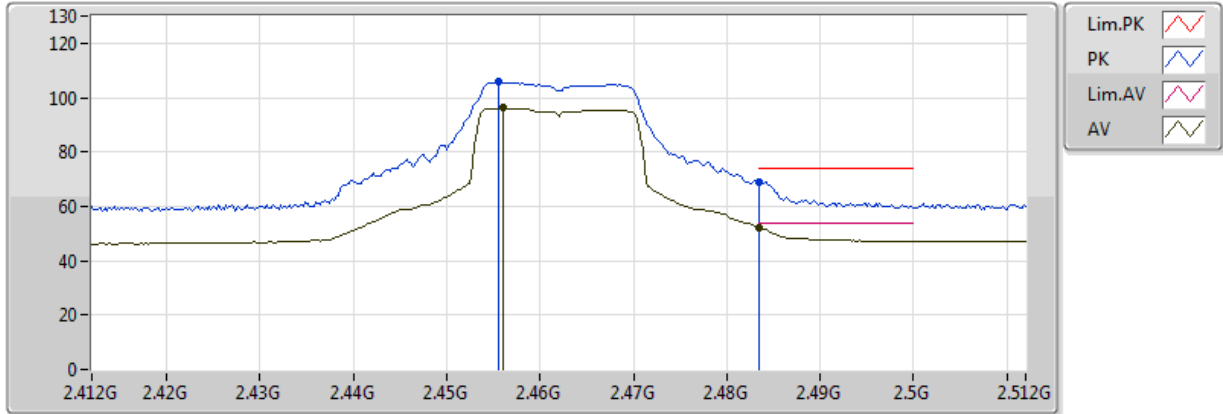
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	30.88	54.00	-23.12	2.32	3	Horizontal	360	1.50	-	28.56	31.37	5.46	34.52
PK	4.874G	46.08	74.00	-27.92	2.32	3	Horizontal	360	1.50	-	43.76	31.37	5.46	34.52



802.11g_(6Mbps)_1TX

2462MHz_TX



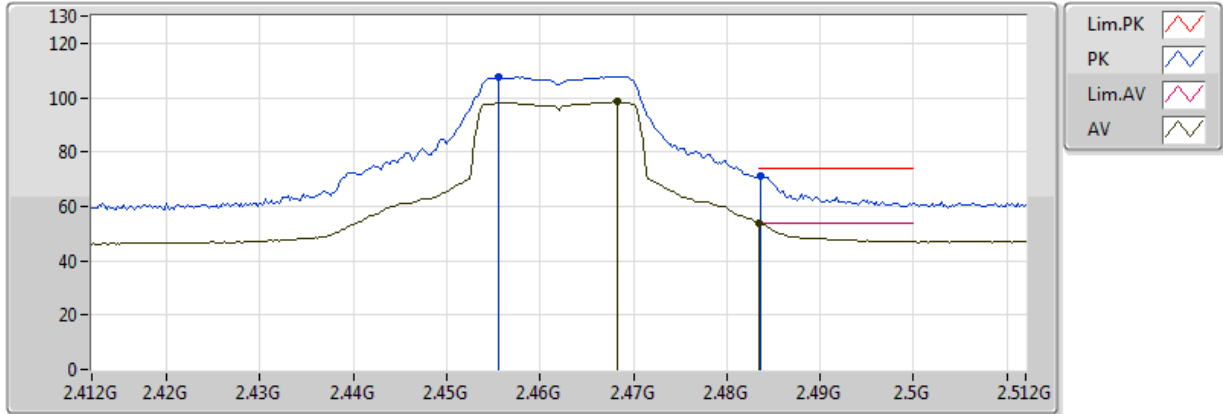
EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.456G	96.12	Inf	-Inf	31.17	3	Vertical	301	2.16	-	64.95	27.49	3.69	-
AV	2.483502G	52.23	54.00	-1.77	31.27	3	Vertical	301	2.16	-	20.96	27.56	3.71	-
PK	2.4556G	106.05	Inf	-Inf	31.17	3	Vertical	301	2.16	-	74.88	27.48	3.69	-
PK	2.483502G	68.69	74.00	-5.31	31.27	3	Vertical	301	2.16	-	37.42	27.56	3.71	-



802.11g_(6Mbps)_1TX

2462MHz_TX

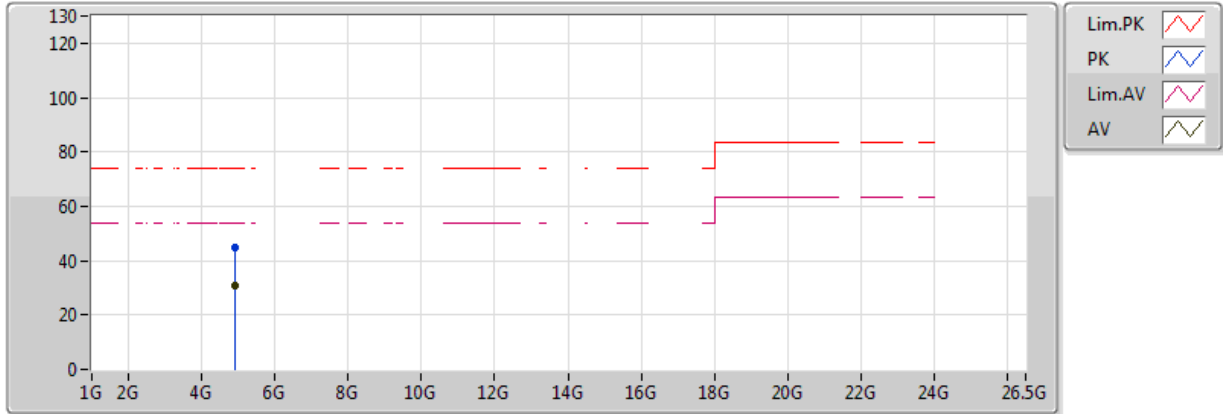


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4682G	98.50	Inf	-Inf	31.22	3	Horizontal	303	1.23	-	67.28	27.52	3.70	-
AV	2.483502G	53.81	54.00	-0.19	31.27	3	Horizontal	303	1.23	-	22.54	27.56	3.71	-
PK	2.4556G	107.84	Inf	-Inf	31.17	3	Horizontal	303	1.23	-	76.67	27.48	3.69	-
PK	2.4836G	71.13	74.00	-2.87	31.27	3	Horizontal	303	1.23	-	39.86	27.56	3.71	-

802.11g_(6Mbps)_1TX

2462MHz_TX

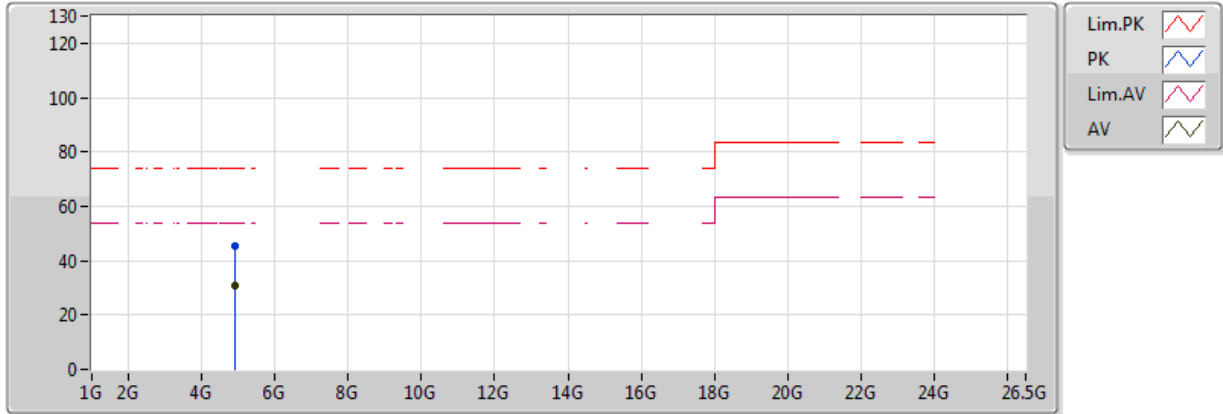


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	30.70	54.00	-23.30	2.48	3	Vertical	360	1.50	-	28.22	31.46	5.52	34.50
PK	4.924G	44.89	74.00	-29.11	2.48	3	Vertical	360	1.50	-	42.41	31.46	5.52	34.50

802.11g_(6Mbps)_1TX

2462MHz_TX

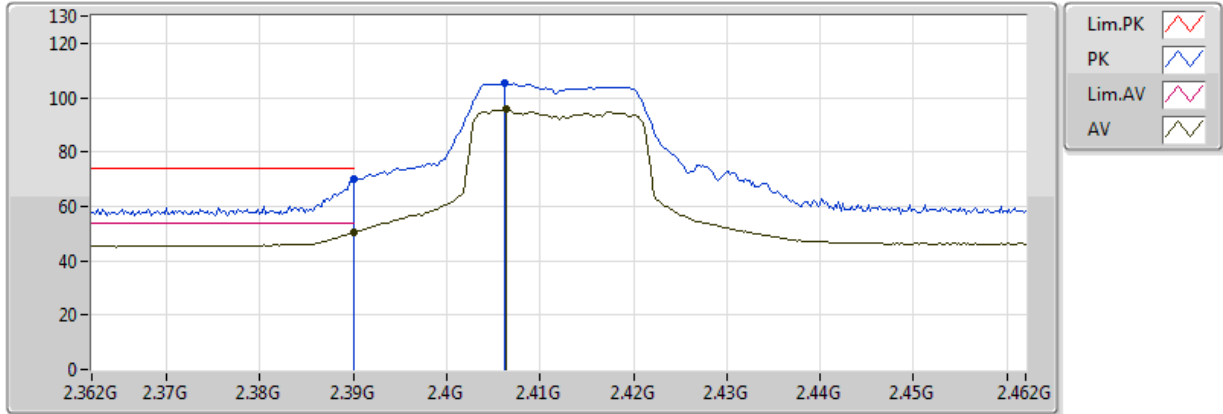


EUT = Y, ANT = X
ANT = B

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	30.89	54.00	-23.11	2.48	3	Horizontal	0	1.50	-	28.41	31.46	5.52	34.50
PK	4.924G	45.48	74.00	-28.52	2.48	3	Horizontal	0	1.50	-	43.00	31.46	5.52	34.50

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

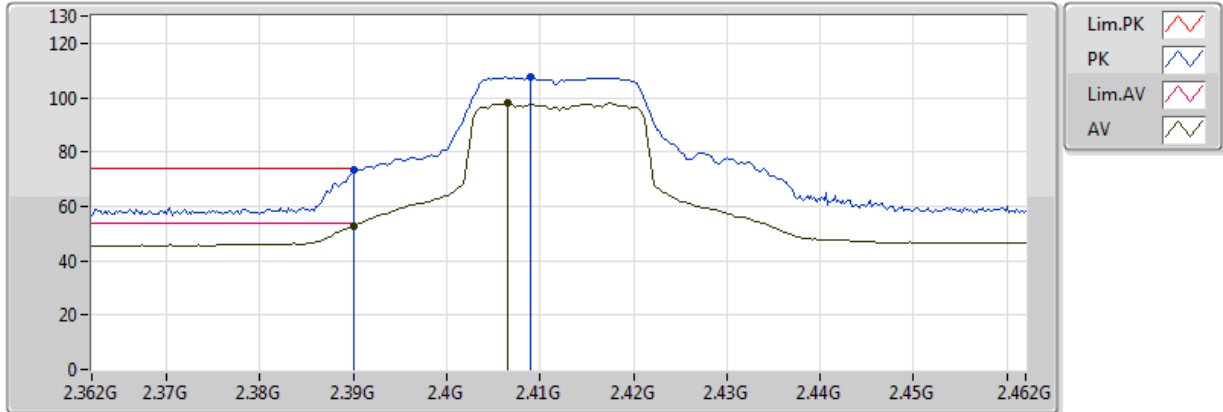


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.49	54.00	-3.51	31.45	3	Vertical	30	2.71	-	19.04	27.21	4.23	-
AV	2.4064G	95.55	Inf	-Inf	31.50	3	Vertical	30	2.71	-	64.05	27.26	4.25	-
PK	2.39G	70.32	74.00	-3.68	31.45	3	Vertical	30	2.71	-	38.88	27.21	4.23	-
PK	2.4062G	105.40	Inf	-Inf	31.50	3	Vertical	30	2.71	-	73.89	27.26	4.25	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

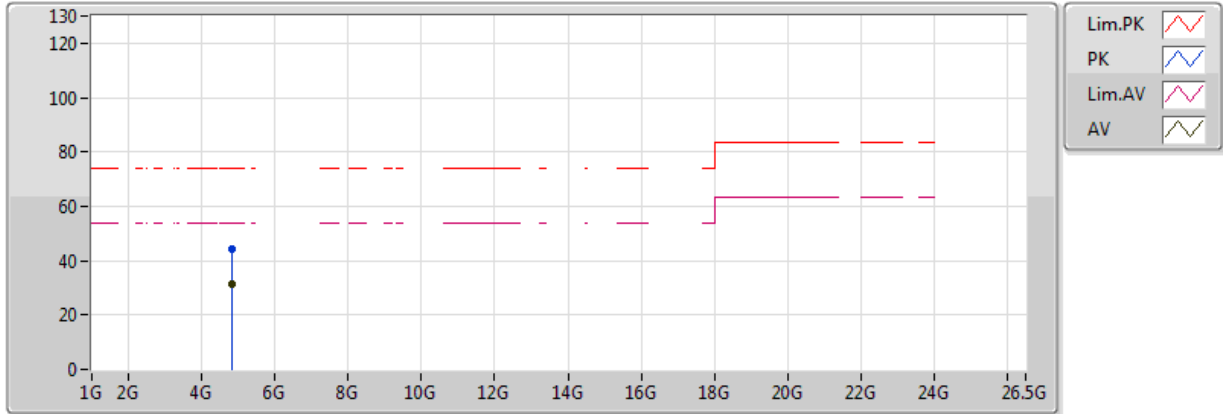


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.86	54.00	-1.14	31.45	3	Horizontal	23	1.09	-	21.42	27.21	4.23	-
AV	2.4066G	97.87	Inf	-Inf	31.50	3	Horizontal	23	1.09	-	66.37	27.26	4.25	-
PK	2.39G	73.26	74.00	-0.74	31.45	3	Horizontal	23	1.09	-	41.82	27.21	4.23	-
PK	2.409G	107.68	Inf	-Inf	31.51	3	Horizontal	23	1.09	-	76.17	27.26	4.25	-

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

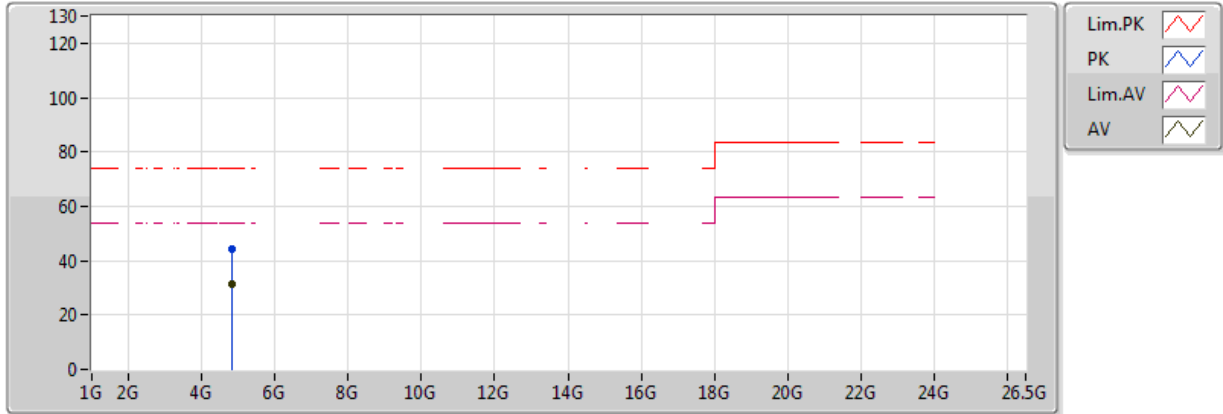


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	31.28	54.00	-22.72	2.16	3	Vertical	220	1.60	-	29.12	31.28	5.41	34.53
PK	4.824G	44.12	74.00	-29.88	2.16	3	Vertical	220	1.60	-	41.96	31.28	5.41	34.53

802.11n HT20_Nss1,(MCS0)_2TX

2412MHz_TX

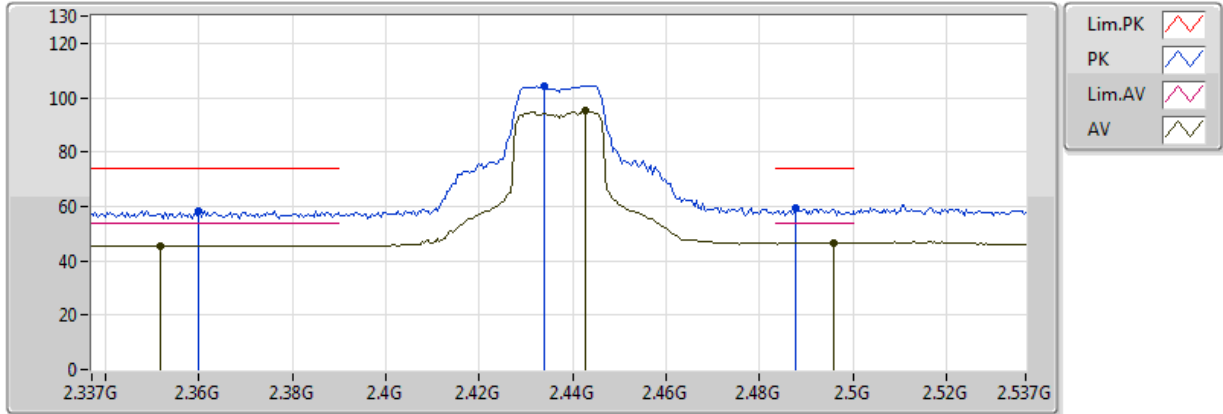


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	31.29	54.00	-22.71	2.16	3	Horizontal	221	2.02	-	29.13	31.28	5.41	34.53
PK	4.824G	44.33	74.00	-29.67	2.16	3	Horizontal	221	2.02	-	42.17	31.28	5.41	34.53

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

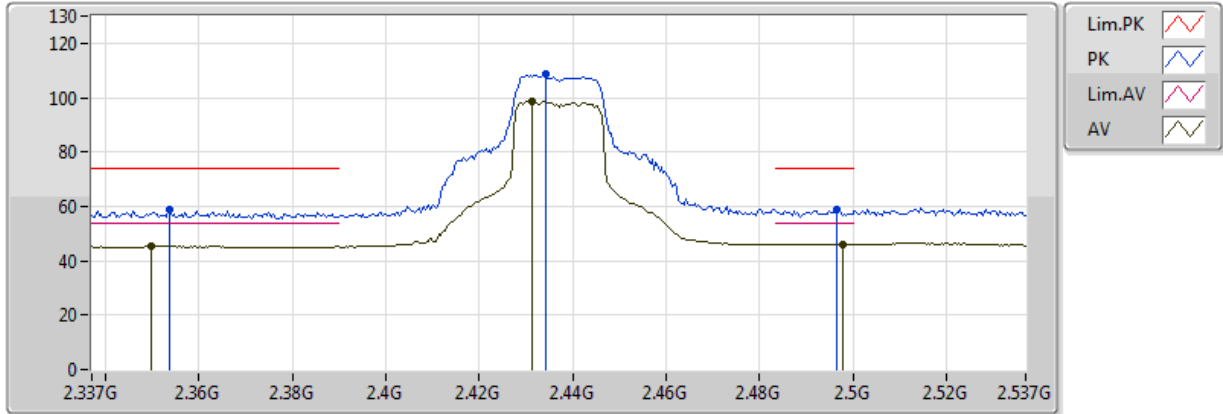


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3518G	45.58	54.00	-8.42	31.31	3	Vertical	290	1.04	-	14.27	27.11	4.20	-
AV	2.4426G	95.13	Inf	-Inf	31.63	3	Vertical	290	1.04	-	63.50	27.35	4.28	-
AV	2.4958G	46.52	54.00	-7.48	31.82	3	Vertical	290	1.04	-	14.69	27.49	4.34	-
PK	2.3598G	58.53	74.00	-15.47	31.34	3	Vertical	290	1.04	-	27.19	27.14	4.20	-
PK	2.4338G	104.40	Inf	-Inf	31.60	3	Vertical	290	1.04	-	72.80	27.33	4.27	-
PK	2.4878G	59.28	74.00	-14.72	31.80	3	Vertical	290	1.04	-	27.48	27.47	4.33	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

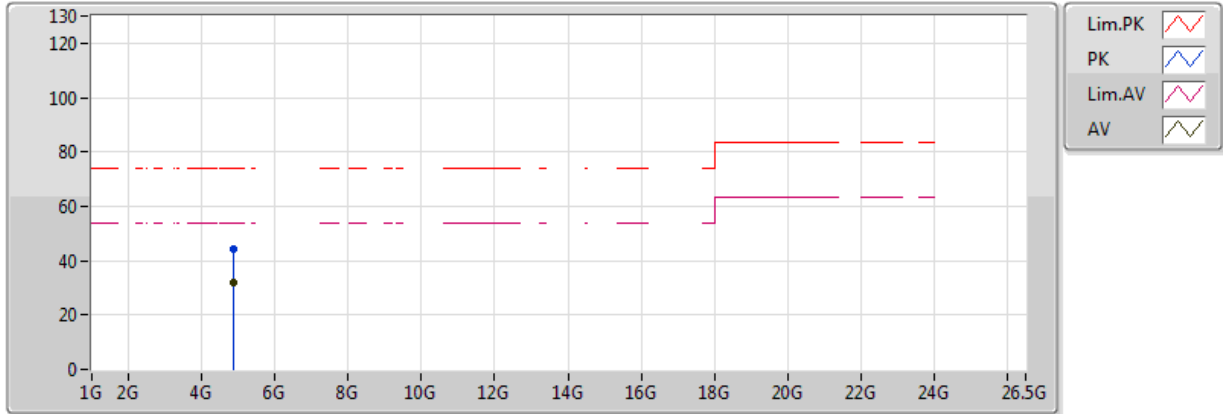


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3498G	45.40	54.00	-8.60	30.79	3	Horizontal	22	1.55	-	14.61	27.21	3.58	-
AV	2.4314G	98.87	Inf	-Inf	31.08	3	Horizontal	22	1.55	-	67.79	27.42	3.66	-
AV	2.4978G	46.07	54.00	-7.93	31.32	3	Horizontal	22	1.55	-	14.75	27.59	3.73	-
PK	2.3538G	58.84	74.00	-15.16	30.81	3	Horizontal	22	1.55	-	28.03	27.22	3.59	-
PK	2.4342G	108.43	Inf	-Inf	31.09	3	Horizontal	22	1.55	-	77.34	27.43	3.66	-
PK	2.4966G	58.77	74.00	-15.23	31.32	3	Horizontal	22	1.55	-	27.45	27.59	3.73	-

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

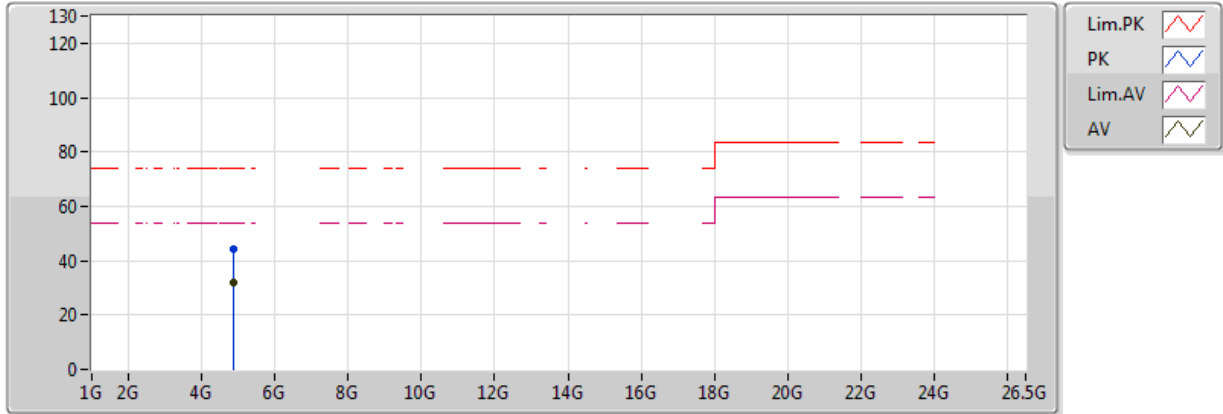


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	31.82	54.00	-22.18	2.32	3	Vertical	84	1.12	-	29.50	31.37	5.46	34.52
PK	4.874G	44.27	74.00	-29.73	2.32	3	Vertical	84	1.12	-	41.95	31.37	5.46	34.52

802.11n HT20_Nss1,(MCS0)_2TX

2437MHz_TX

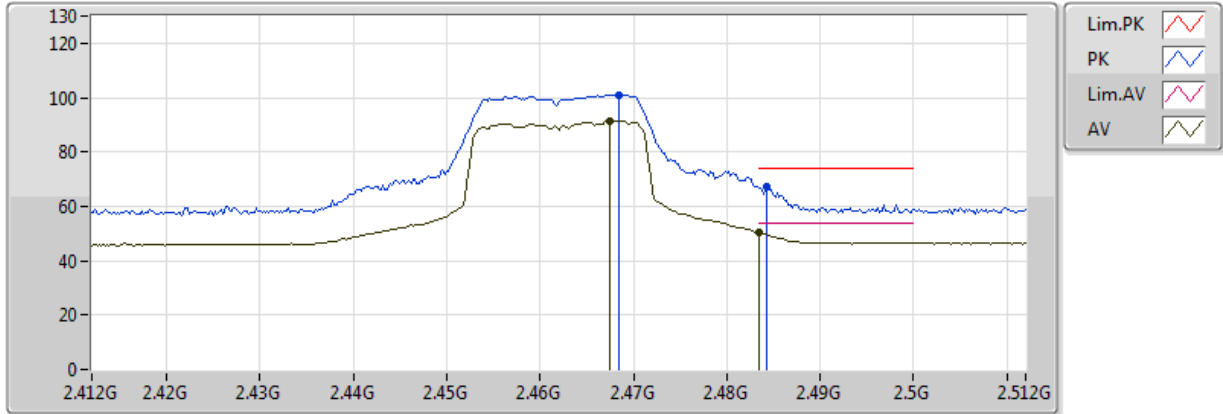


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	31.81	54.00	-22.19	2.32	3	Horizontal	107	1.77	-	29.49	31.37	5.46	34.52
PK	4.874G	44.11	74.00	-29.89	2.32	3	Horizontal	107	1.77	-	41.79	31.37	5.46	34.52

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

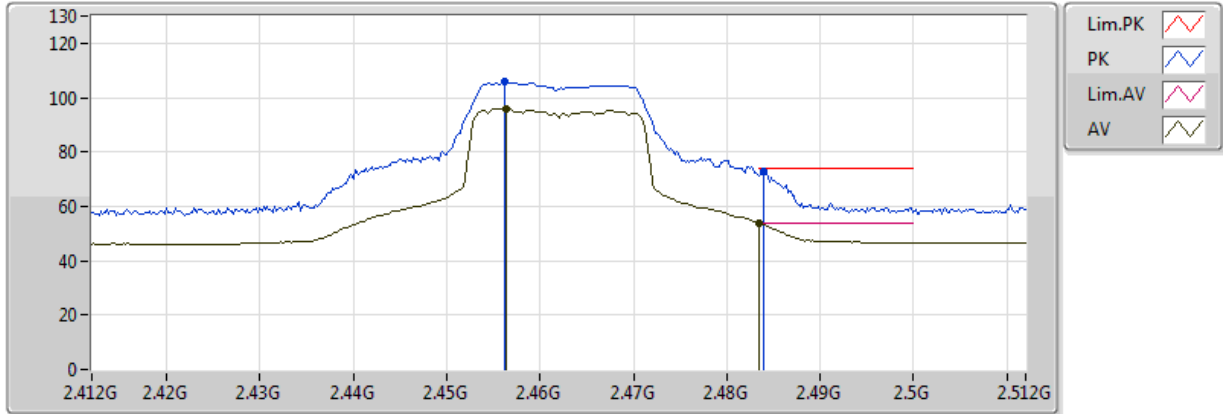


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4674G	91.57	Inf	-Inf	31.72	3	Vertical	289	2.05	-	59.84	27.42	4.31	-
AV	2.483502G	50.39	54.00	-3.61	31.78	3	Vertical	289	2.05	-	18.61	27.46	4.32	-
PK	2.4684G	100.80	Inf	-Inf	31.73	3	Vertical	289	2.05	-	69.08	27.42	4.31	-
PK	2.4842G	67.16	74.00	-6.84	31.78	3	Vertical	289	2.05	-	35.38	27.46	4.32	-

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX



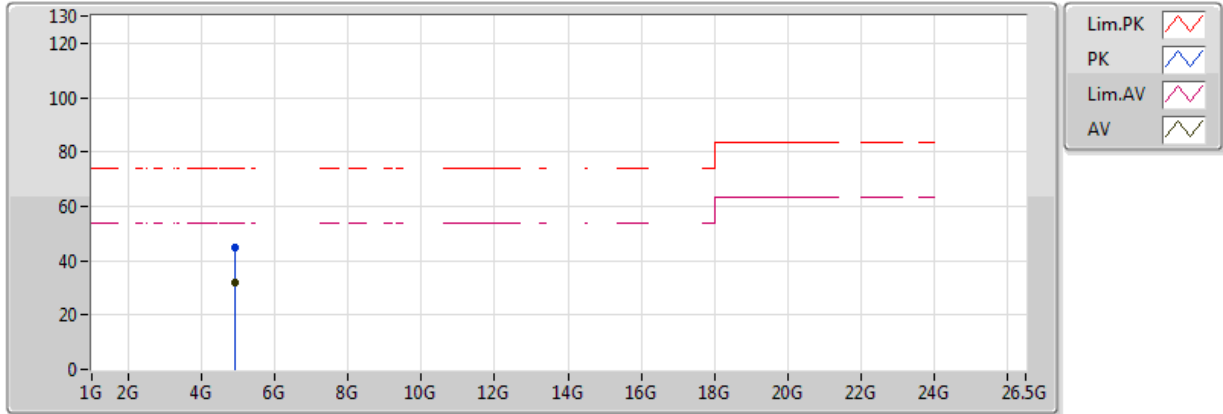
EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4564G	95.99	Inf	-Inf	31.68	3	Horizontal	21	1.50	-	64.31	27.39	4.30	-
AV	2.483502G	53.67	54.00	-0.33	31.78	3	Horizontal	21	1.50	-	21.89	27.46	4.32	-
PK	2.4562G	105.64	Inf	-Inf	31.68	3	Horizontal	21	1.50	-	73.96	27.39	4.30	-
PK	2.484G	72.70	74.00	-1.30	31.78	3	Horizontal	21	1.50	-	40.92	27.46	4.32	-



802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

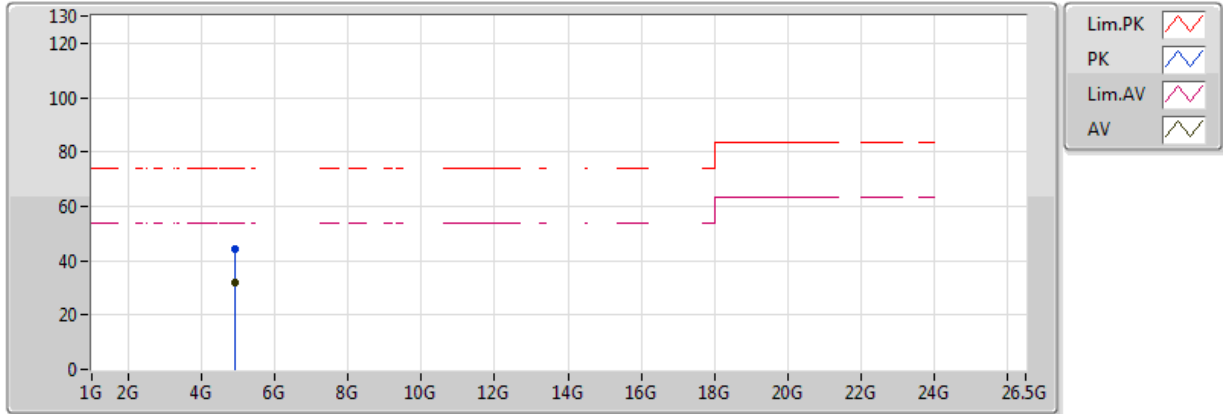


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	31.90	54.00	-22.10	2.48	3	Vertical	199	1.63	-	29.42	31.46	5.52	34.50
PK	4.924G	44.64	74.00	-29.36	2.48	3	Vertical	199	1.63	-	42.16	31.46	5.52	34.50

802.11n HT20_Nss1,(MCS0)_2TX

2462MHz_TX

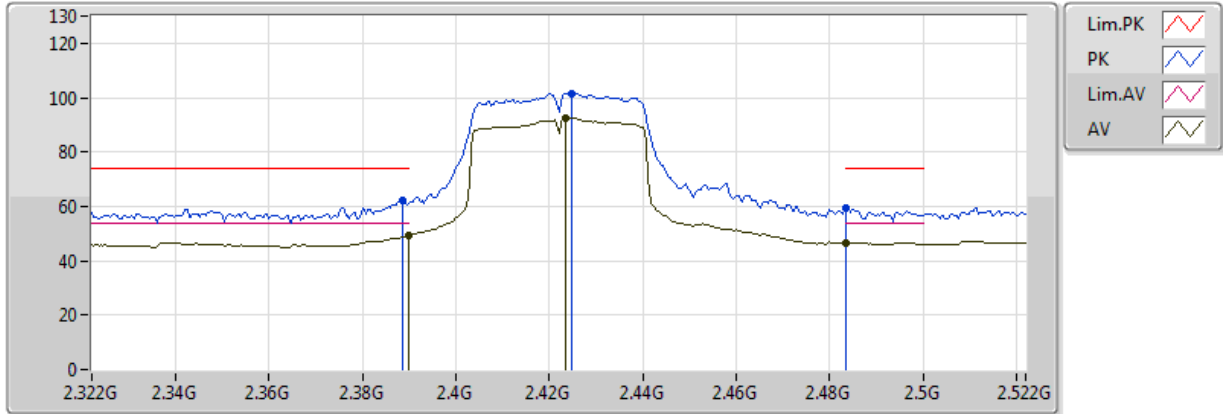


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	31.86	54.00	-22.14	2.48	3	Horizontal	358	1.95	-	29.38	31.46	5.52	34.50
PK	4.924G	44.38	74.00	-29.62	2.48	3	Horizontal	358	1.95	-	41.90	31.46	5.52	34.50

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

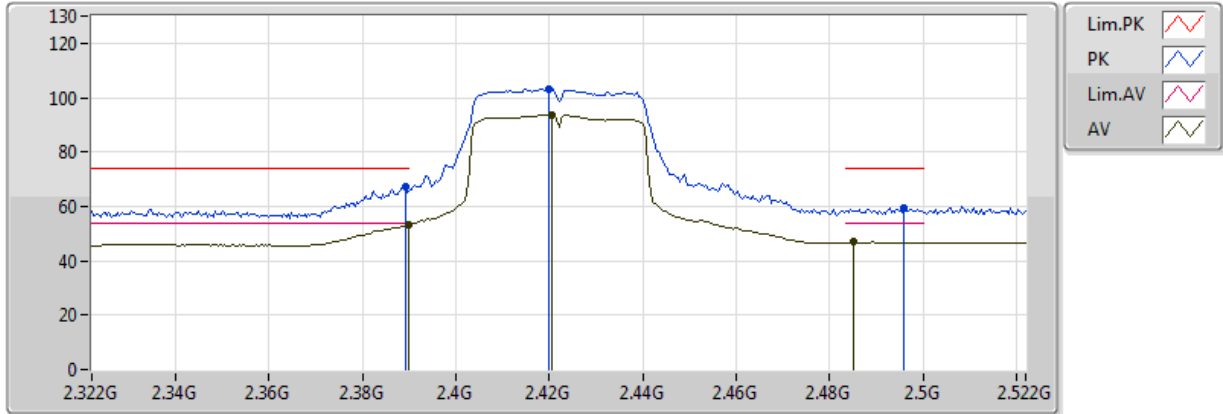


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	49.27	54.00	-4.73	30.93	3	Vertical	279	1.02	-	18.34	27.31	3.62	-
AV	2.4236G	92.39	Inf	-Inf	31.05	3	Vertical	279	1.02	-	61.33	27.40	3.65	-
AV	2.4836G	46.60	54.00	-7.40	31.27	3	Vertical	279	1.02	-	15.33	27.56	3.71	-
PK	2.3884G	61.96	74.00	-12.04	30.93	3	Vertical	279	1.02	-	31.03	27.31	3.62	-
PK	2.4248G	101.42	Inf	-Inf	31.06	3	Vertical	279	1.02	-	70.37	27.40	3.65	-
PK	2.4836G	59.43	74.00	-14.57	31.27	3	Vertical	279	1.02	-	28.15	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

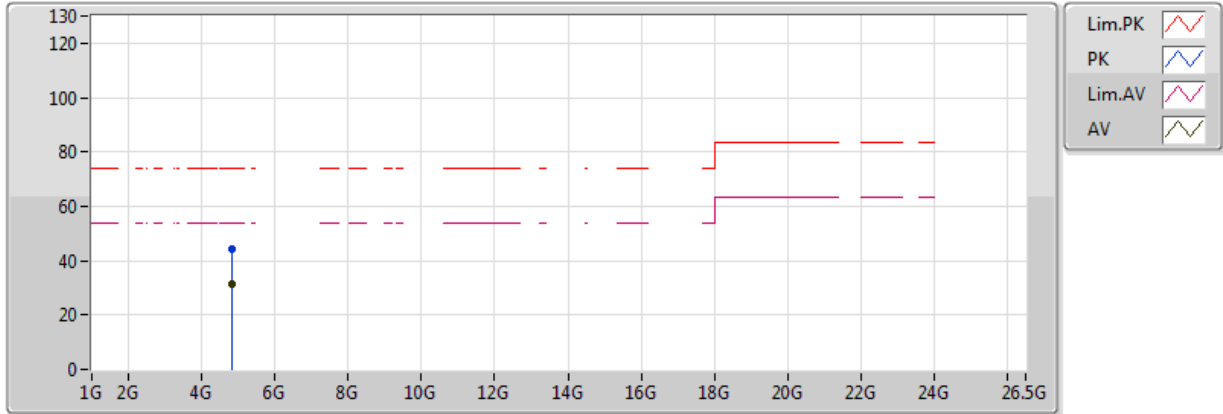


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.30	54.00	-0.70	31.45	3	Horizontal	21	1.33	-	21.86	27.21	4.23	-
AV	2.4204G	93.68	Inf	-Inf	31.55	3	Horizontal	21	1.33	-	62.13	27.29	4.26	-
AV	2.4852G	46.82	54.00	-7.18	31.79	3	Horizontal	21	1.33	-	15.04	27.46	4.33	-
PK	2.3892G	67.47	74.00	-6.53	31.44	3	Horizontal	21	1.33	-	36.03	27.21	4.23	-
PK	2.42G	103.38	Inf	-Inf	31.55	3	Horizontal	21	1.33	-	71.82	27.29	4.26	-
PK	2.496G	59.46	74.00	-14.54	31.83	3	Horizontal	21	1.33	-	27.63	27.49	4.34	-

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

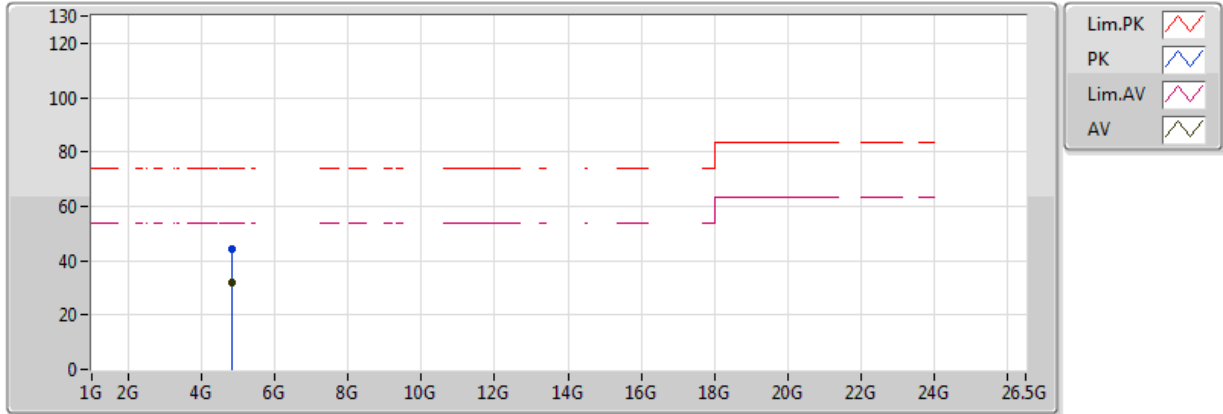


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.844G	31.60	54.00	-22.40	2.23	3	Vertical	85	2.30	-	29.37	31.32	5.43	34.52
PK	4.844G	44.46	74.00	-29.54	2.23	3	Vertical	85	2.30	-	42.23	31.32	5.43	34.52

802.11n HT40_Nss1,(MCS0)_2TX

2422MHz_TX

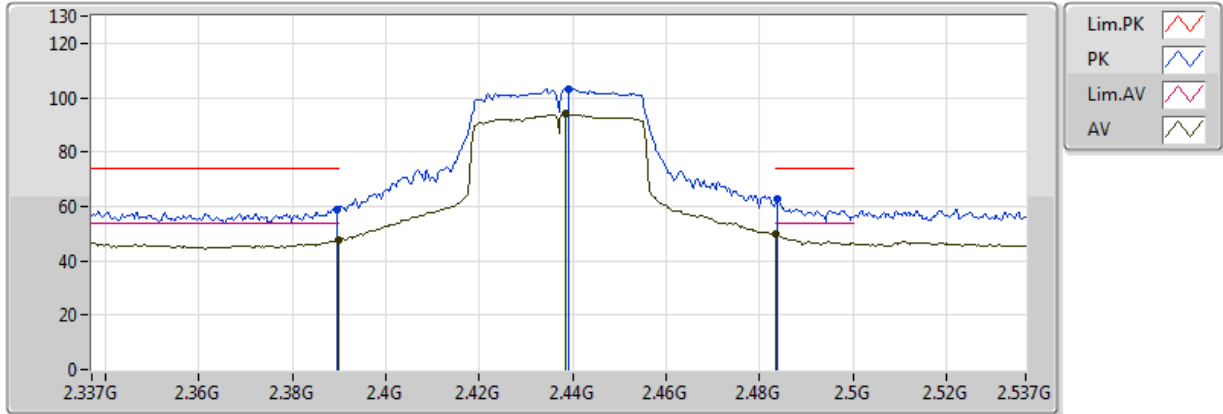


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.844G	31.74	54.00	-22.26	2.23	3	Horizontal	124	2.34	-	29.51	31.32	5.43	34.52
PK	4.844G	44.53	74.00	-29.47	2.23	3	Horizontal	124	2.34	-	42.30	31.32	5.43	34.52

802.11n HT40_Nss1,(MCS0)_2TX

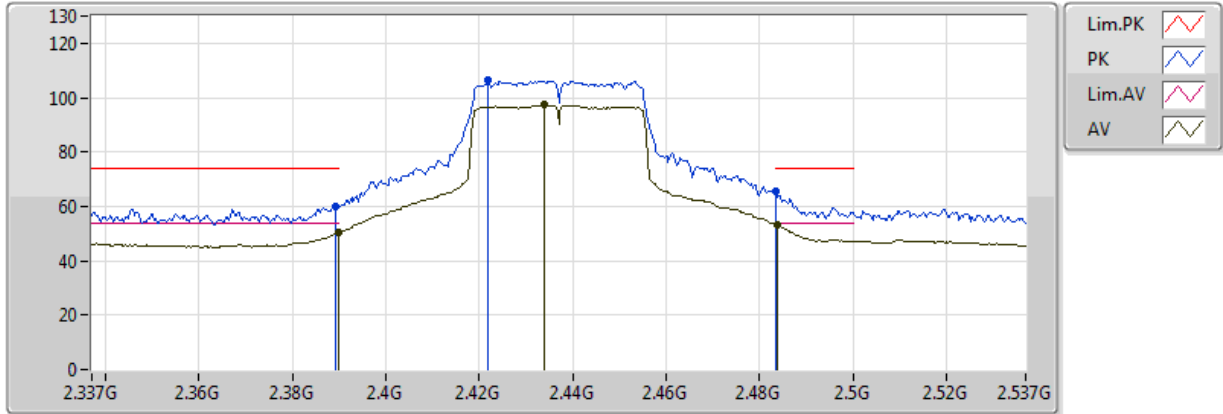
2437MHz_TX



EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	47.38	54.00	-6.62	30.93	3	Vertical	53	1.43	-	16.45	27.31	3.62	-
AV	2.438449G	93.97	Inf	-Inf	31.11	3	Vertical	53	1.43	-	62.86	27.44	3.67	-
AV	2.483502G	49.62	54.00	-4.38	31.27	3	Vertical	53	1.43	-	18.35	27.56	3.71	-
PK	2.389464G	59.04	74.00	-14.96	30.93	3	Vertical	53	1.43	-	28.10	27.31	3.62	-
PK	2.439029G	103.19	Inf	-Inf	31.11	3	Vertical	53	1.43	-	72.08	27.44	3.67	-
PK	2.483667G	62.64	74.00	-11.36	31.27	3	Vertical	53	1.43	-	31.37	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_2TX 2437MHz_TX

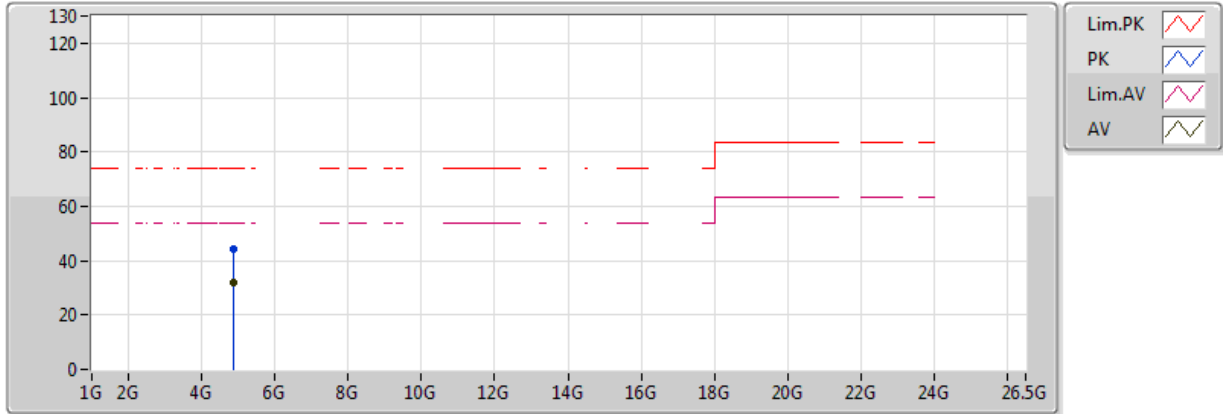


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389998G	50.71	54.00	-3.29	30.93	3	Horizontal	356	2.19	-	19.78	27.31	3.62	-
AV	2.433812G	97.29	Inf	-Inf	31.09	3	Horizontal	356	2.19	-	66.20	27.43	3.66	-
AV	2.483667G	53.44	54.00	-0.56	31.27	3	Horizontal	356	2.19	-	22.17	27.56	3.71	-
PK	2.389174G	60.22	74.00	-13.78	30.93	3	Horizontal	356	2.19	-	29.29	27.31	3.62	-
PK	2.421928G	106.29	Inf	-Inf	31.05	3	Horizontal	356	2.19	-	75.24	27.40	3.65	-
PK	2.483502G	65.68	74.00	-8.32	31.27	3	Horizontal	356	2.19	-	34.41	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_2TX

2437MHz_TX

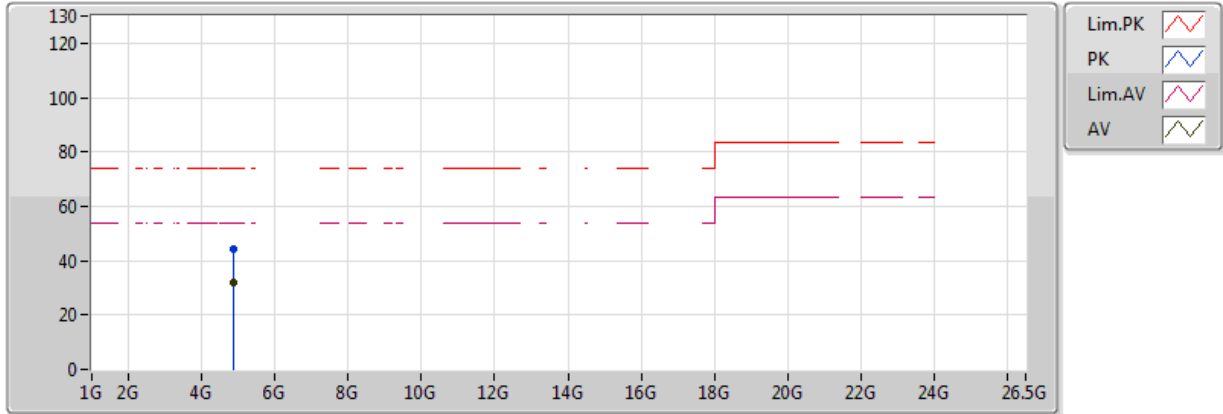


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	32.04	54.00	-21.96	2.32	3	Vertical	60	1.03	-	29.72	31.37	5.46	34.52
PK	4.874G	44.41	74.00	-29.59	2.32	3	Vertical	60	1.03	-	42.09	31.37	5.46	34.52

802.11n HT40_Nss1,(MCS0)_2TX

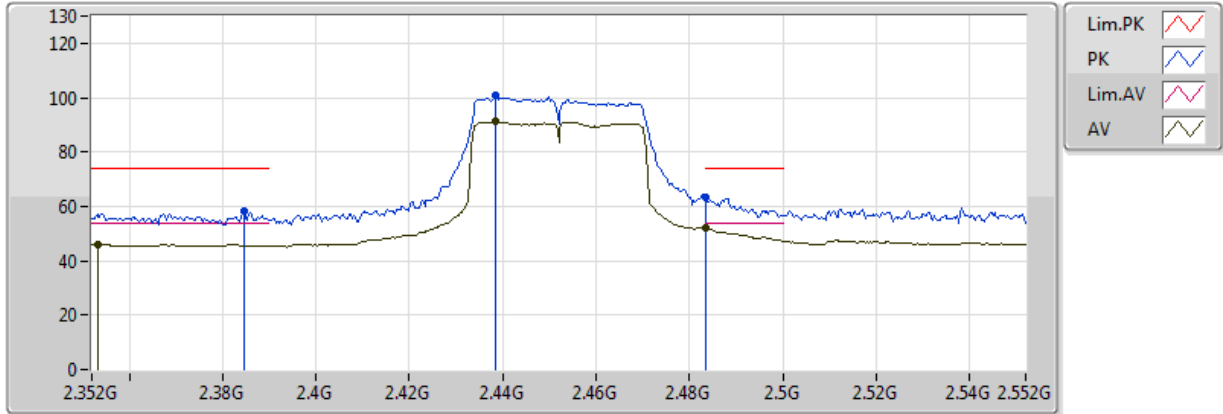
2437MHz_TX



EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	32.04	54.00	-21.96	2.32	3	Horizontal	315	2.30	-	29.72	31.37	5.46	34.52
PK	4.874G	44.25	74.00	-29.75	2.32	3	Horizontal	315	2.30	-	41.93	31.37	5.46	34.52

802.11n HT40_Nss1,(MCS0)_2TX 2452MHz_TX

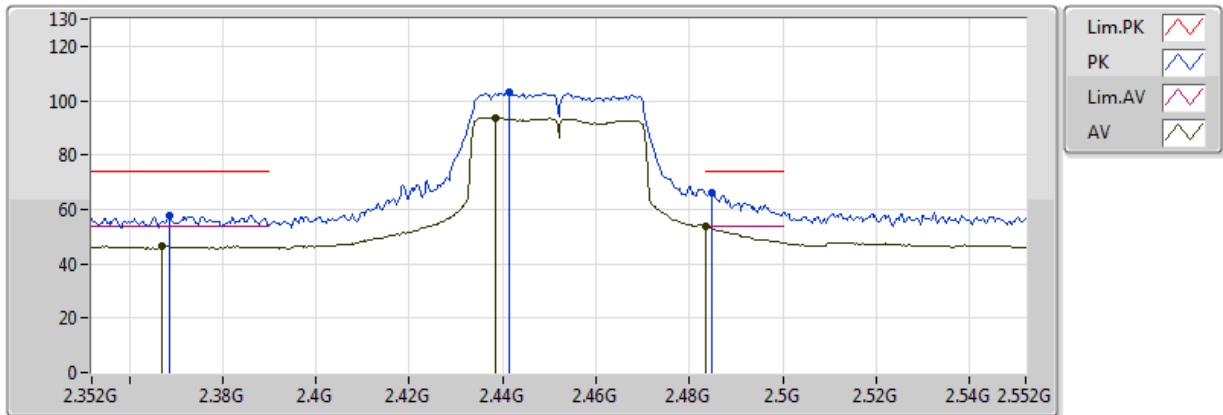


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.353449G	45.92	54.00	-8.08	30.81	3	Vertical	280	1.11	-	15.12	27.22	3.59	-
AV	2.438377G	91.13	Inf	-Inf	31.11	3	Vertical	280	1.11	-	60.02	27.44	3.67	-
AV	2.483594G	51.86	54.00	-2.14	31.27	3	Vertical	280	1.11	-	20.59	27.56	3.71	-
PK	2.384464G	58.48	74.00	-15.52	30.92	3	Vertical	280	1.11	-	27.56	27.30	3.62	-
PK	2.438377G	100.85	Inf	-Inf	31.11	3	Vertical	280	1.11	-	69.74	27.44	3.67	-
PK	2.483594G	63.36	74.00	-10.64	31.27	3	Vertical	280	1.11	-	32.08	27.56	3.71	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

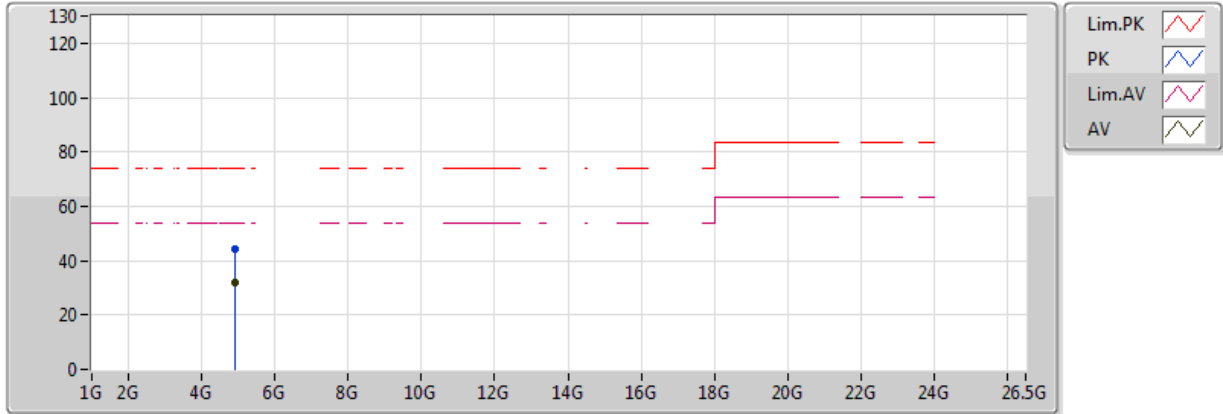


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.367072G	46.31	54.00	-7.69	31.36	3	Horizontal	289	1.27	-	14.94	27.15	4.21	-
AV	2.438377G	93.64	Inf	-Inf	31.62	3	Horizontal	289	1.27	-	62.03	27.34	4.28	-
AV	2.483594G	53.76	54.00	-0.24	31.78	3	Horizontal	289	1.27	-	21.98	27.46	4.32	-
PK	2.368522G	57.94	74.00	-16.06	31.37	3	Horizontal	289	1.27	-	26.57	27.16	4.21	-
PK	2.441275G	103.15	Inf	-Inf	31.63	3	Horizontal	289	1.27	-	71.52	27.35	4.28	-
PK	2.484754G	65.85	74.00	-8.15	31.79	3	Horizontal	289	1.27	-	34.06	27.46	4.32	-

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX

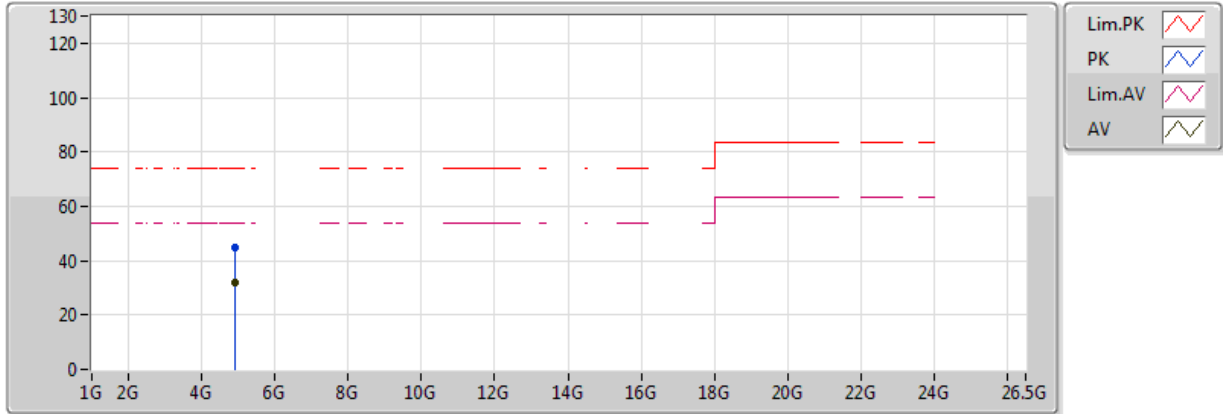


EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.904G	31.74	54.00	-22.26	2.41	3	Vertical	149	1.49	-	29.33	31.43	5.49	34.51
PK	4.904G	44.19	74.00	-29.81	2.41	3	Vertical	149	1.49	-	41.78	31.43	5.49	34.51

802.11n HT40_Nss1,(MCS0)_2TX

2452MHz_TX



EUT = Y, ANT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.904G	32.06	54.00	-21.94	2.41	3	Horizontal	336	1.43	-	29.65	31.43	5.49	34.51
PK	4.904G	44.62	74.00	-29.38	2.41	3	Horizontal	336	1.43	-	42.21	31.43	5.49	34.51