


# FCC Test Report

**Equipment** : 802.11ac Tri Band PoE Access Point  
**Brand Name** : LITE-ON, MOJO  
**Model No.** : WP9333, WP9331, O-105, WP9331-FM  
**FCC ID** : PPQ-WP9333  
**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 Rd., Chung-Ho, New Taipei City,  
23585 Taiwan  
**Manufacturer** : Lite-On Network Communication (Dongguan) Limited  
30#Keji Rd., Yin Hu Industrial Area, Qingxi  
Town, DongGuan City, Guangdong, China

The product sample received on Sep. 07, 2017 and completely tested on Oct. 03, 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 / Assistant Manager





# Table of Contents

- 1 GENERAL DESCRIPTION .....5**
- 1.1 Information.....5
- 1.2 Testing Applied Standards .....9
- 1.3 Testing Location Information .....9
- 1.4 Measurement Uncertainty .....9
- 2 TEST CONFIGURATION OF EUT.....10**
- 2.1 Test Condition .....10
- 2.2 Test Channel Mode .....10
- 2.3 The Worst Case Measurement Configuration.....11
- 2.4 Accessories .....12
- 2.5 Support Equipment.....12
- 2.6 Test Setup Diagram .....13
- 3 TRANSMITTER TEST RESULT .....15**
- 3.1 AC Power-line Conducted Emissions .....15
- 3.2 DTS Bandwidth.....16
- 3.3 Maximum Conducted Output Power .....17
- 3.4 Power Spectral Density .....19
- 3.5 Emissions in Non-restricted Frequency Bands .....20
- 3.6 Emissions in Restricted Frequency Bands.....21
- 4 TEST EQUIPMENT AND CALIBRATION DATA .....25**

**APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS**

**APPENDIX B. TEST RESULTS OF DTS BANDWIDTH**

**APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER**

**APPENDIX D. TEST RESULTS OF POWER SPECTRAL DENSITY**

**APPENDIX E. TEST RESULTS OF EMISSIONS IN NON-RESTRICTED FREQUENCY BANDS**

**APPENDIX F. TEST RESULTS OF EMISSIONS IN RESTRICTED FREQUENCY BANDS**

**APPENDIX G. TEST PHOTOS**

**PHOTOGRAPHS OF EUT v01**



### Summary of Test Result

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



### Revision History

Report No.	Version	Description	Issued Date
FR790613AC	Rev. 01	Initial issue of report	Jan. 19, 2018
FR790613AC	Rev. 02	Revise Typo	Jan. 22, 2018

# 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), ac (VHT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ac (VHT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11ac VHT20	20	2TX
2.4-2.4835GHz	802.11ac VHT40	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.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- BWch is the nominal channel bandwidth.

### 1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Radio
1	2	Walsin	RFMTA400809MMLB901	Metal Antenna	MMCX	R1
2	1	Walsin	RFMTA400811MMLB901	Metal Antenna	MMCX	R1
3	2	Walsin	RFMTA400814MM5B901	Metal Antenna	MMCX	R2
4	1	Walsin	RFMTA400816MM5B901	Metal Antenna	MMCX	R2
5	2	Master Wave Technology Co., Ltd	98P7RPIPF000	PCB Antenna	I-PEX	R3
6	1	Master Wave Technology Co., Ltd	98P7RPIPF001	PCB Antenna	I-PEX	R3
7	1	Walsin	RFPCA381017MMAB702	PCB Antenna	MMCX	R4

Ant.	Gain (dBi)						
	Radio 1	Radio 2		Radio 3			Radio 4
	2.4G	5G B1	5G B4	2.4G	5G B1	5G B4	BT
1	5.9	-	-	-	-	-	-
2	5.9	-	-	-	-	-	-
3	-	6.2	6.4	-	-	-	-
4	-	6.2	6.4	-	-	-	-
5	-	-	-	6.5	4.7	6.0	-
6	-	-	-	6.5	4.8	5.5	-
7	-	-	-	-	-	-	8.6



Note 1: The EUT has seven antennas.

Note 2: The EUT contain Radio 3 (2.4G)/(5G) RF module (Model Name: WM862FEMD, FCC ID: PPQ-WM862FEMD)

**For 2.4 GHz function:**

For IEEE 802.11b/g/n/ac mode (2TX/2RX)

**Radio 1**

Ant. 1 (port 2) and Ant. 2 (port 1) could transmit/receive simultaneously.

**Radio 3**

Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.

**For 5 GHz function:**

For IEEE 802.11a/n/ac mode (2TX/2RX)

**Radio 2 (For B1 and B4)**

Ant. 3 (port 2) and Ant. 4 (port 1) could transmit/receive simultaneously.

**Radio 3 (For B1 and B4)**

Ant. 5 (port 2) and Ant. 6 (port 1) could transmit/receive simultaneously.

**For Bluetooth function:**

For Bluetooth mode (1TX/1RX)

**Radio 4**

Only Ant. 7 (port 1) can be used as transmitting/receiving antenna.

Note 3:

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



1.1.3 EUT Information

Operational Condition	
EUT Power Type	From AC main / PoE
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

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.992	0.035	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.952	0.214	2.065m	1k
802.11ac VHT20	0.976	0.106	5.013m	300
802.11ac VHT40	0.967	0.146	2.437m	1k



1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	CPU	CPU Brand	DDR	DDR Brand	Flash	Flash Brand/Model
LITE-ON	WP9333	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
	WP9331	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
WP9331-FM	IPQ4029	Qualcomm Atheros	512	Micron	64	1x64 MX25L51245GMI-08G MXIC	
					32X2	2x32 25Q256JVFQ WINBOND	
MOJO	O-105	IPQ4029	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND
		IPQ4019	Qualcomm Atheros	256	Micron	64	1x64 MX25L51245GMI-08G MXIC
						32X2	2x32 25Q256JVFQ WINBOND

Brand Name	Model Name	Radio 1	Radio 2	Radio 3	Radio 4	EUT Power Type
LITE-ON	WP9333	V	V	V	V	AC main / PoE
	WP9331	V	V	X	V	PoE
	WP9331-FM	V	V	X	V	PoE
MOJO	O-105	V	V	X	V	PoE

Note:

Radio 1: 802.11ac 2.4G only

Radio 2: 802.11ac 5GHz on board

Radio 3: 802.11agnac PCIe card, 2.4G+5GB1/B4

Radio 4: Bluetooth (BT LE and BR/EDR) on board



## 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
- ◆ KDB 644545 D03 v01

## 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	TH01-HY	Tim	22.5°C / 66%	12/Sep/2017
Radiated	03CH02-HY	Jerry	23.5°C / 65%	15/Sep/2017
AC Conduction	CO04-HY	Jeff	23.4°C / 53%	03/Oct/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	QDART-Connectivity100038
-----------------------	--------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	22.5
2437MHz	23.5
2462MHz	24
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	21.5
2437MHz	26
2462MHz	22
802.11ac VHT20_Nss1,(MCS0)_2TX	-
2412MHz	22
2437MHz	25.5
2462MHz	21.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
2422MHz	21
2437MHz	22
2452MHz	21

## 2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral
<b>Operating Mode</b>	CTX
1	PoE mode
2	AC mode
Mode 2 configuration was tested and found to be the worst case and measured during the test.	

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

The Worst Case Mode for Following Conformance Tests			
<b>Tests Item</b>	Emissions in Restricted Frequency Bands		
<b>Test Condition</b>	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.		
<b>Operating Mode &lt; 1GHz</b>	CTX		
1	PoE mode		
2	AC mode		
<b>Operating Mode &gt; 1GHz</b>	CTX		
<b>Orthogonal Planes of EUT</b>	<b>X Plane</b>	<b>Y Plane</b>	<b>Z Plane</b>
			
<b>Worst Planes of EUT</b>	V		

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Simultaneous Transmission Analysis
<b>Operating Mode</b>	1. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (2.4G) + Radio 4 (BT)
	2. Radio 1 (2.4G) + Radio 2 (5G) + Radio 3 (5G) + Radio 4 (BT)
Refer to Sporton Test Report No.: FA790613 for Co-location RF Exposure Evaluation.	



## 2.4 Accessories

Accessories		
Power Cable	Signal Line	6 meter, non-shielded cable, w/o ferrite core
Ground Wire	Signal Line	6.4 meter, non-shielded cable, w/o ferrite core

## 2.5 Support Equipment

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

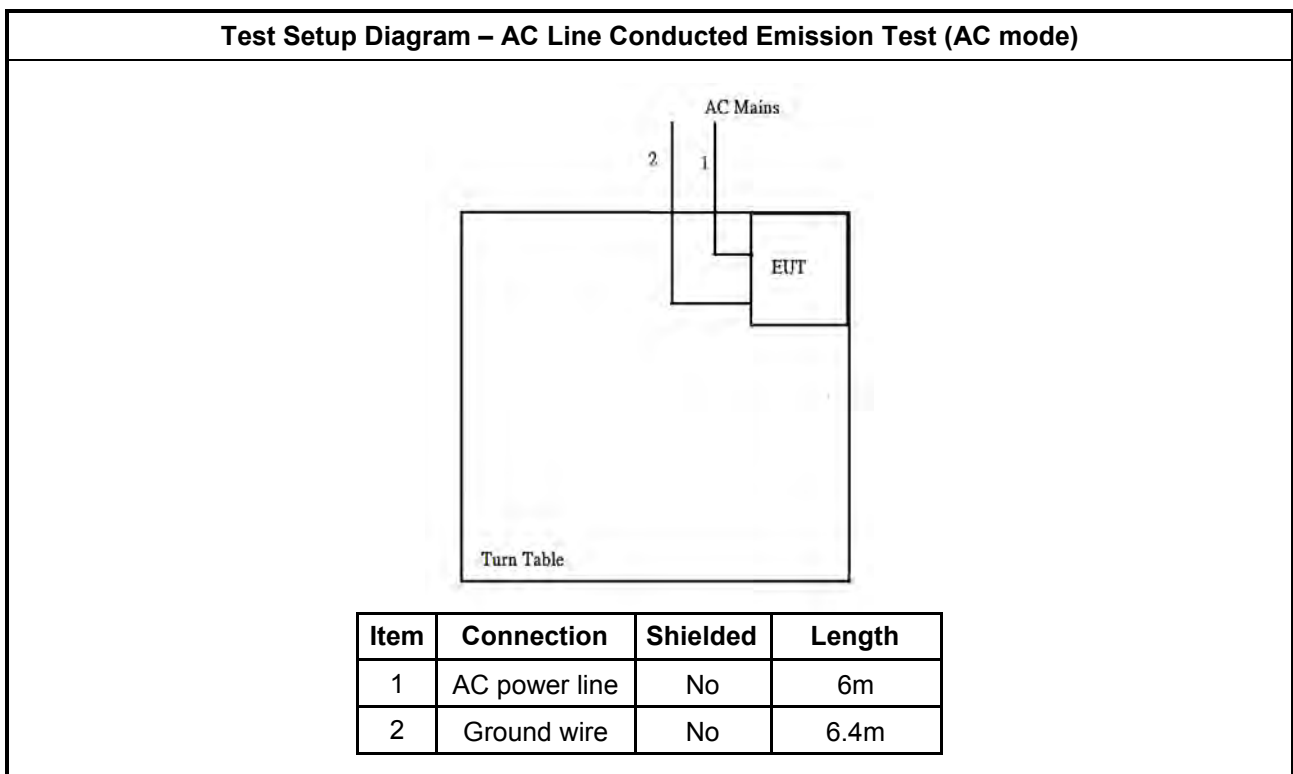
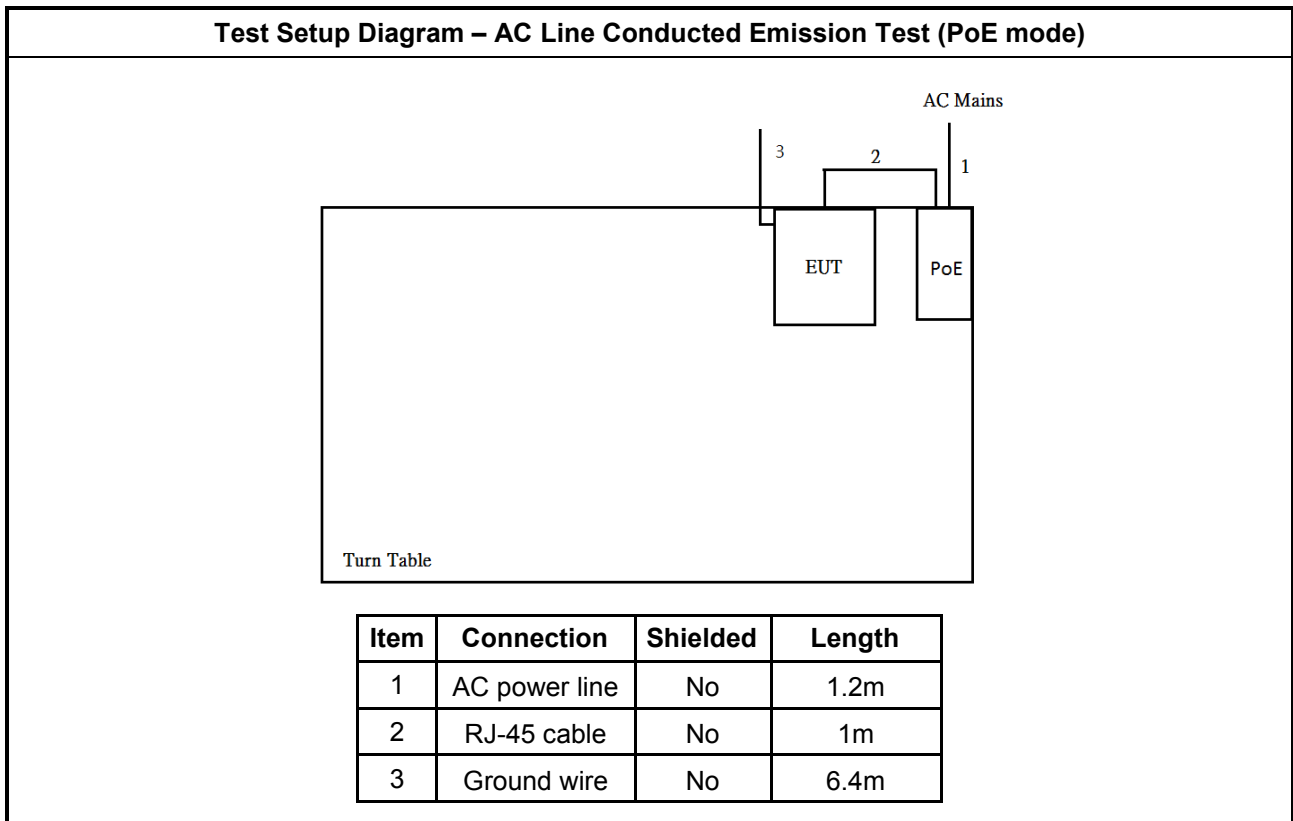
Support Equipment – Radiated Emission				
No.	Equipment	Brand Name	Model Name	FCC ID
1	PoE	Microsemi	PD-9001G	-

Note: Support equipment No.1 was provided by customer.

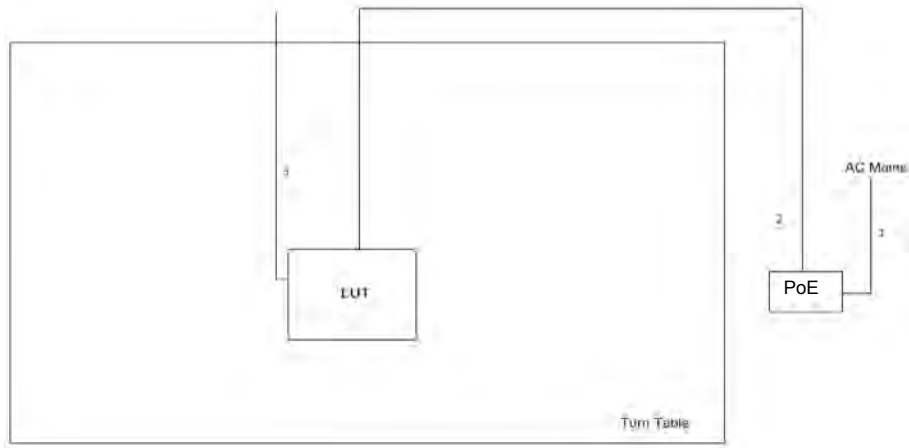
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	FCC ID
1	PoE	Microsemi	PD-9001G	-

Note: Support equipment No.1 was provided by customer.

## 2.6 Test Setup Diagram

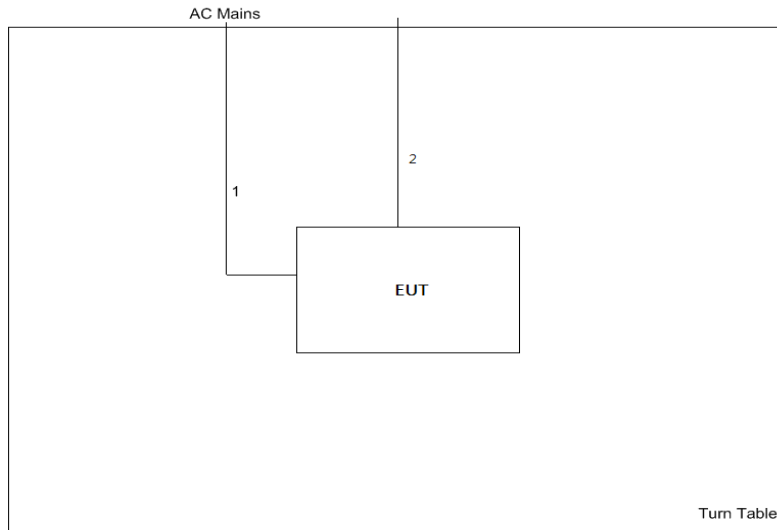


Test Setup Diagram - Radiated Test (PoE mode)



Item	Connection	Shielded	Length
1	AC power line	No	1.2m
2	RJ-45 cable	No	10m
3	Ground wire	No	6.4m

Test Setup Diagram - Radiated Test (AC mode)



Item	Connection	Shielded	Length
1	AC power line	No	6m
2	Ground wire	No	6.4m

### 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.

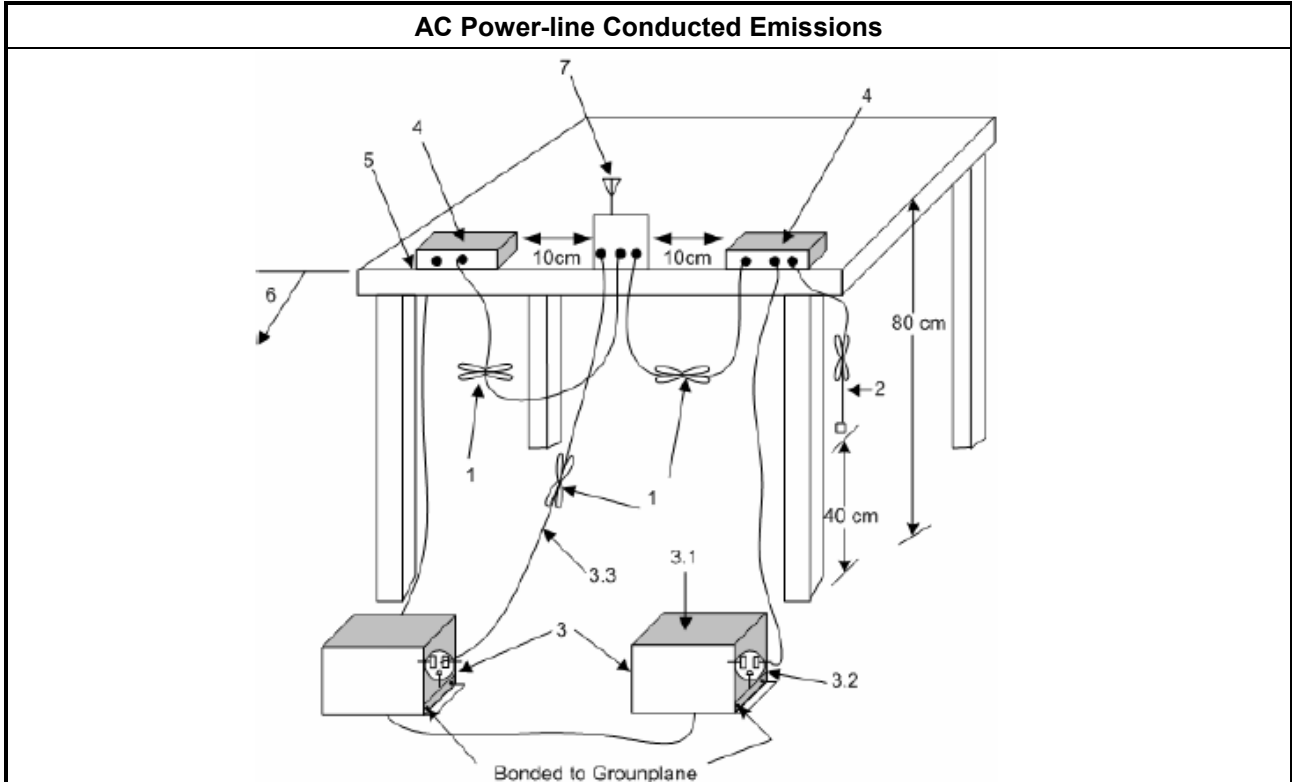
##### 3.1.2 Measuring Instruments

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
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

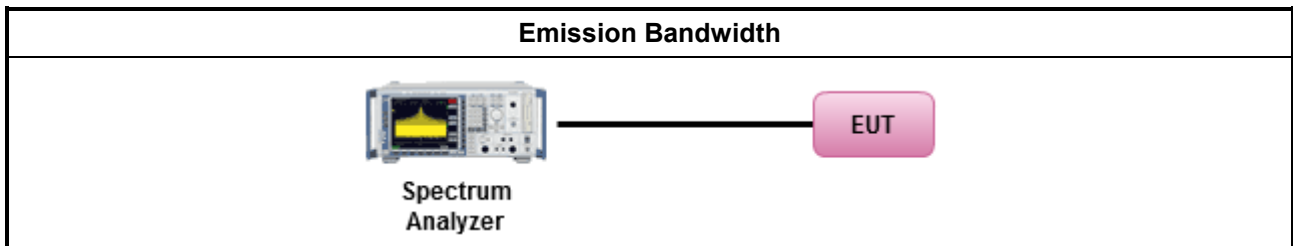
#### 3.2.2 Measuring Instruments

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"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>	
<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 RSS-Gen, clause 6.6 for for occupied bandwidth testing.
<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"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul>
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> <li>▪ 2400-2483.5 MHz Band</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): <math>P_{eirp} \leq 36</math> dBm (4 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS)</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: <math>P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: <math>P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])</math> dBm</li> </ul>
<p><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

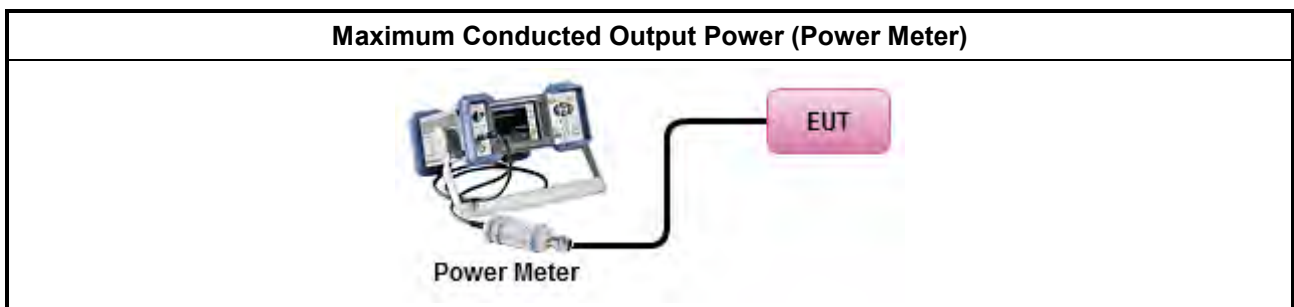
#### 3.3.2 Measuring Instruments

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"> <li>Maximum Peak Conducted Output Power</li> </ul>	
<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"> <li>Maximum Average Conducted Output Power</li> </ul>	
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"> <li>For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>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.</li> </ul>	
<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>	

### 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"> <li>Power Spectral Density (PSD) <math>\leq</math> 8 dBm/3kHz</li> </ul>

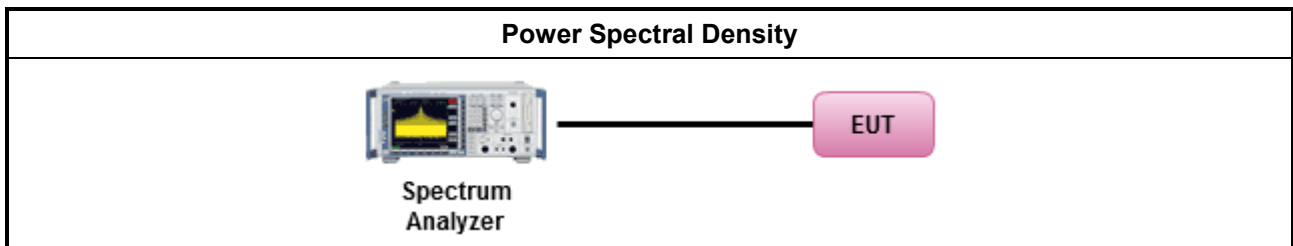
#### 3.4.2 Measuring Instruments

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

#### 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.

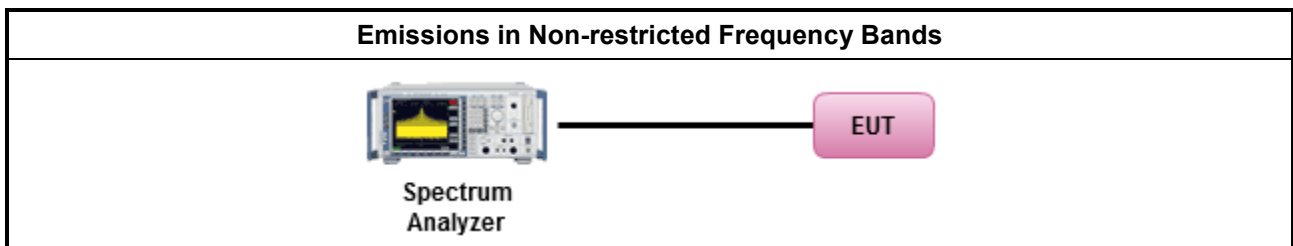
#### 3.5.2 Measuring Instruments

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"> <li>Refer as KDB 558074, clause 11 for unwanted emissions into non-restricted bands.</li> </ul>

#### 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

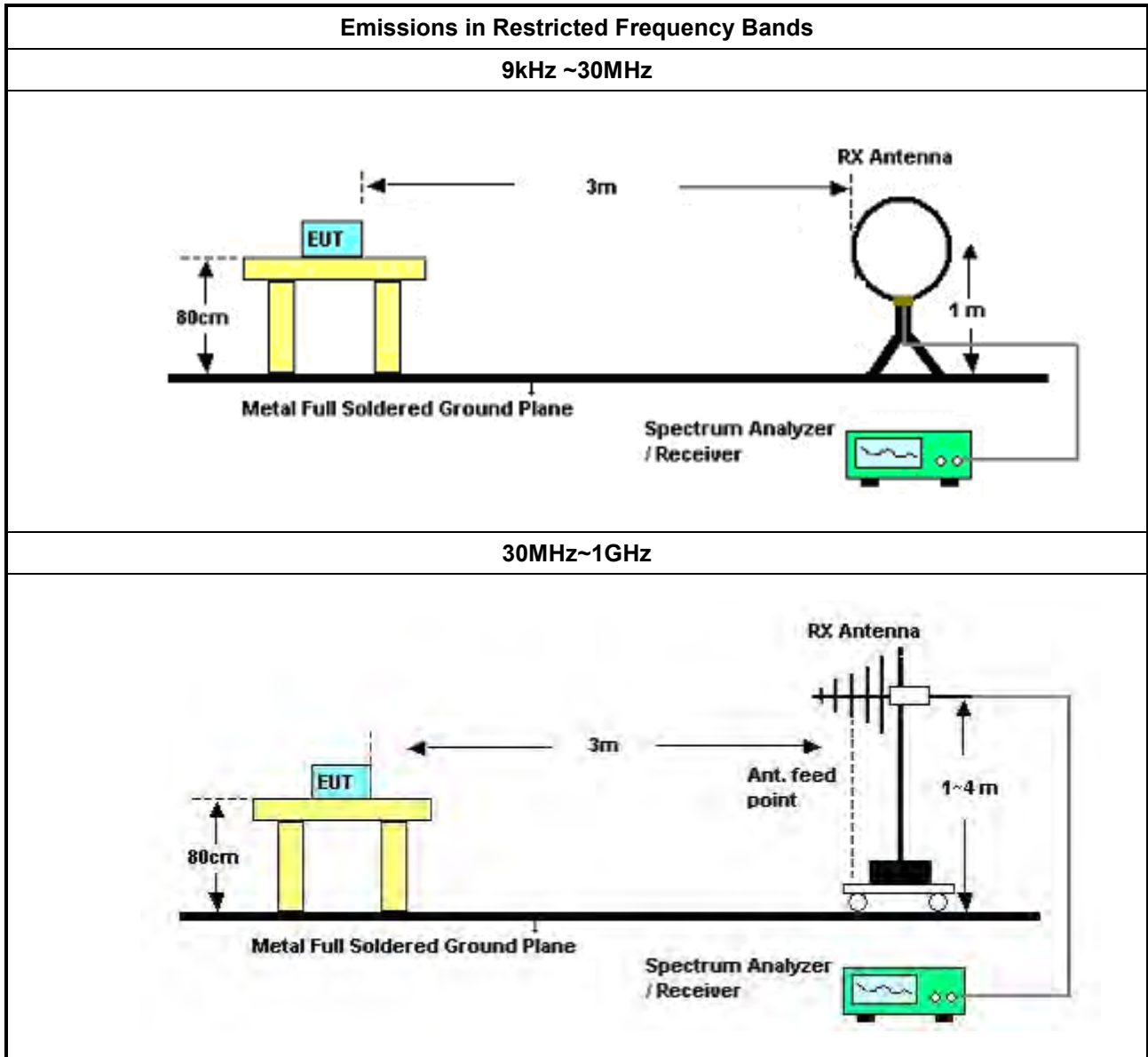
Refer a test equipment and calibration data table in this test report.

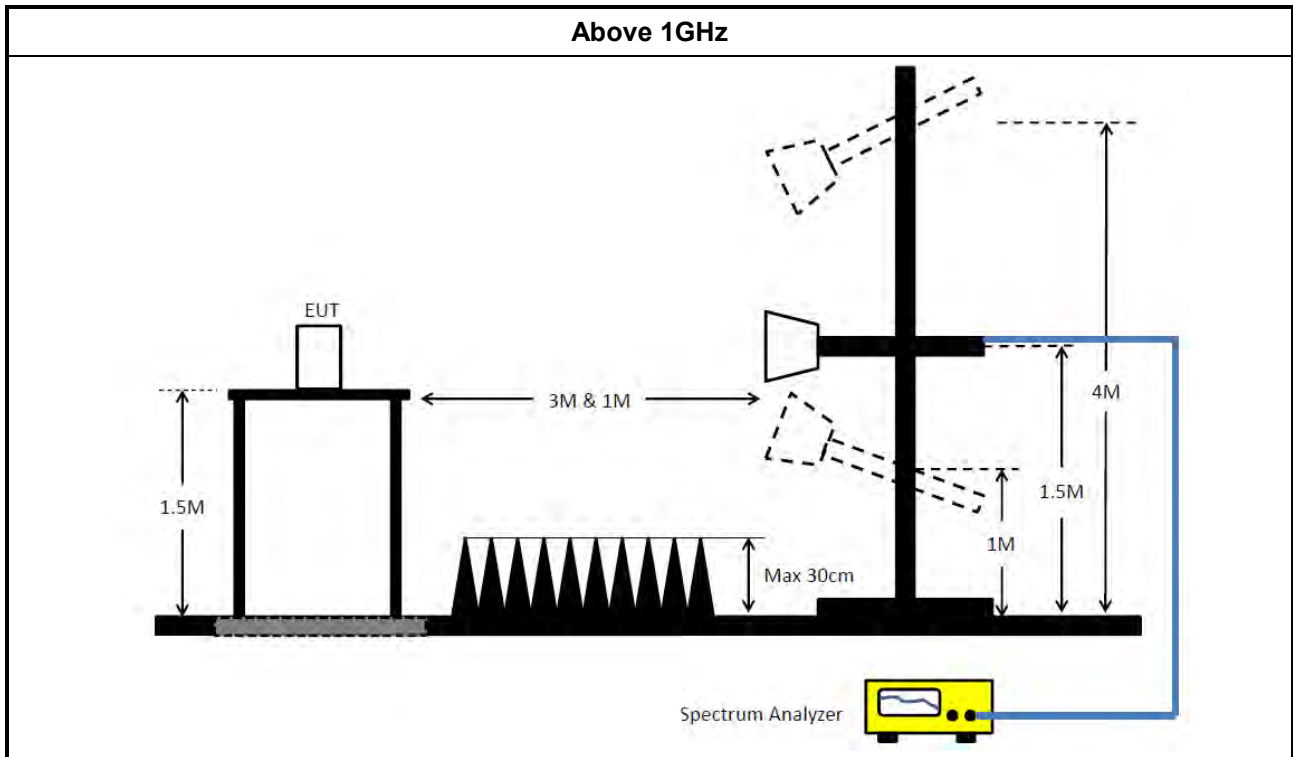


3.6.3 Test Procedures

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

### 3.6.4 Test Setup





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

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

### 3.6.6 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F





## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102052	9KHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	15/Nov/2016	14/Nov/2017
RF Cable-CON	HUBER+SUHNER	RG213/U	07611832020 001	9kHz ~ 30MHz	24/Oct/2016	23/Oct/2017
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	R&S	ESH3-Z2	100921	10 kHz ~ 30 MHz	21/Oct/2016	20/Oct/2017

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	29/Jun/2017	28/Jun/2018
Amplifier	Agilent	8449B	3008A02373	1GHz-26.5GHz	20/Sep/2016	19/Sep/2017
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA9120D 01531	1GHz-18GHz	11/May/2017	10/May/2018
Horn Antenna	SCHWARZBECK	BBHA9170	BBHA917015 4	18GHz-40GHz	06/Feb/2017	05/Feb/2018
Bilog Antenna	SCHAFFNER	CBL6112B	2723	30MHz-1GHz	01/Oct/2016	30/Sep/2017
Amplifier	MITEQ	JS44-18004000 -33-8P	1840917	18GHz-40GHz	06/Feb/2017	05/Feb/2018
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	ESU3	102052	9kHz ~ 3.6GHz	29/Apr/2017	28/Apr/2018



Instrument for Conducted Test

Instrument	Manufacturer	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	9kHz~40GHz	30/Dec/2016	29/Dec/2017
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	10/Feb/2017	09/Feb/2018
Signal Generator	R&S	SMR40	100116	10MHz ~ 40GHz	27/Jul/2017	26/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
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10714/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017
RF Cable-0.5m	HUBER+SUHNER	SUCOFLEX_104	MY10715/4	30MHz ~ 26.5GHz	02/Oct/2016	01/Oct/2017



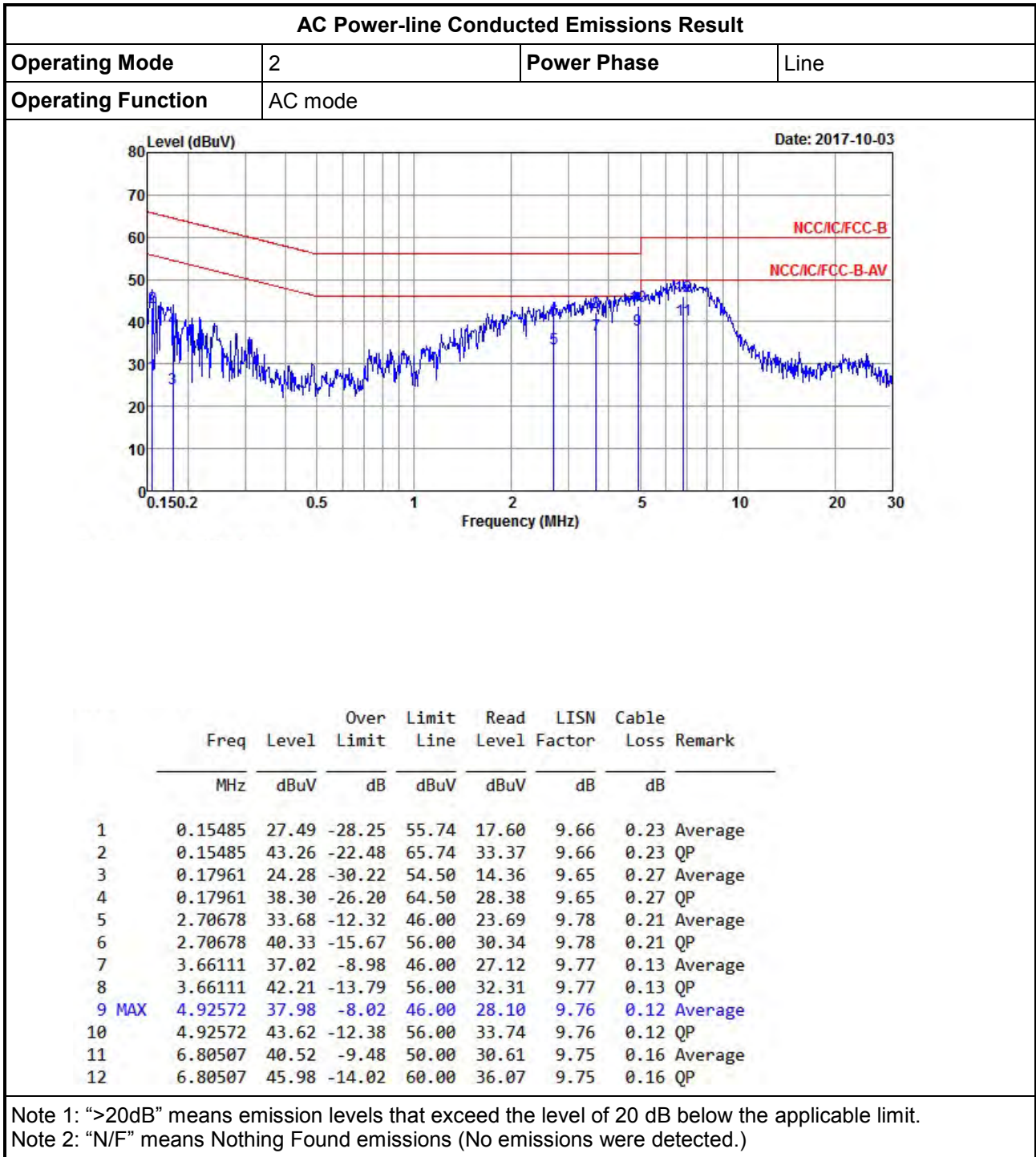
AC Power-line Conducted Emissions Result																																																																																																																																	
Operating Mode	1	Power Phase	Neutral																																																																																																																														
Operating Function	PoE mode																																																																																																																																
Date: 2017-10-02																																																																																																																																	
<table border="1" style="width:100%; border-collapse: collapse; margin-top: 20px;"> <thead> <tr> <th></th> <th>Freq</th> <th>Level</th> <th>Over Limit</th> <th>Limit Line</th> <th>Read Level</th> <th>LISN Factor</th> <th>Cable Loss</th> <th>Remark</th> </tr> <tr> <th></th> <th>MHz</th> <th>dBuV</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>0.15900</td> <td>36.34</td> <td>-19.18</td> <td>55.52</td> <td>26.50</td> <td>9.61</td> <td>0.23</td> <td>Average</td> </tr> <tr> <td>2</td> <td>0.15900</td> <td>45.82</td> <td>-19.70</td> <td>65.52</td> <td>35.98</td> <td>9.61</td> <td>0.23</td> <td>QP</td> </tr> <tr> <td>3</td> <td>0.18640</td> <td>30.96</td> <td>-23.24</td> <td>54.20</td> <td>21.03</td> <td>9.65</td> <td>0.28</td> <td>Average</td> </tr> <tr> <td>4</td> <td>0.18640</td> <td>41.87</td> <td>-22.33</td> <td>64.20</td> <td>31.94</td> <td>9.65</td> <td>0.28</td> <td>QP</td> </tr> <tr> <td>5 MAX</td> <td>0.41927</td> <td>29.69</td> <td>-17.77</td> <td>47.46</td> <td>19.96</td> <td>9.63</td> <td>0.10</td> <td>Average</td> </tr> <tr> <td>6</td> <td>0.41927</td> <td>37.55</td> <td>-19.91</td> <td>57.46</td> <td>27.82</td> <td>9.63</td> <td>0.10</td> <td>QP</td> </tr> <tr> <td>7</td> <td>1.80001</td> <td>24.89</td> <td>-21.11</td> <td>46.00</td> <td>14.98</td> <td>9.64</td> <td>0.27</td> <td>Average</td> </tr> <tr> <td>8</td> <td>1.80001</td> <td>32.46</td> <td>-23.54</td> <td>56.00</td> <td>22.55</td> <td>9.64</td> <td>0.27</td> <td>QP</td> </tr> <tr> <td>9</td> <td>2.22493</td> <td>26.39</td> <td>-19.61</td> <td>46.00</td> <td>16.46</td> <td>9.66</td> <td>0.27</td> <td>Average</td> </tr> <tr> <td>10</td> <td>2.22493</td> <td>35.40</td> <td>-20.60</td> <td>56.00</td> <td>25.47</td> <td>9.66</td> <td>0.27</td> <td>QP</td> </tr> <tr> <td>11</td> <td>17.10851</td> <td>18.18</td> <td>-31.82</td> <td>50.00</td> <td>8.12</td> <td>9.86</td> <td>0.20</td> <td>Average</td> </tr> <tr> <td>12</td> <td>17.10851</td> <td>22.73</td> <td>-37.27</td> <td>60.00</td> <td>12.67</td> <td>9.86</td> <td>0.20</td> <td>QP</td> </tr> </tbody> </table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.15900	36.34	-19.18	55.52	26.50	9.61	0.23	Average	2	0.15900	45.82	-19.70	65.52	35.98	9.61	0.23	QP	3	0.18640	30.96	-23.24	54.20	21.03	9.65	0.28	Average	4	0.18640	41.87	-22.33	64.20	31.94	9.65	0.28	QP	5 MAX	0.41927	29.69	-17.77	47.46	19.96	9.63	0.10	Average	6	0.41927	37.55	-19.91	57.46	27.82	9.63	0.10	QP	7	1.80001	24.89	-21.11	46.00	14.98	9.64	0.27	Average	8	1.80001	32.46	-23.54	56.00	22.55	9.64	0.27	QP	9	2.22493	26.39	-19.61	46.00	16.46	9.66	0.27	Average	10	2.22493	35.40	-20.60	56.00	25.47	9.66	0.27	QP	11	17.10851	18.18	-31.82	50.00	8.12	9.86	0.20	Average	12	17.10851	22.73	-37.27	60.00	12.67	9.86	0.20	QP
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark																																																																																																																									
	MHz	dBuV	dB	dBuV	dBuV	dB	dB																																																																																																																										
1	0.15900	36.34	-19.18	55.52	26.50	9.61	0.23	Average																																																																																																																									
2	0.15900	45.82	-19.70	65.52	35.98	9.61	0.23	QP																																																																																																																									
3	0.18640	30.96	-23.24	54.20	21.03	9.65	0.28	Average																																																																																																																									
4	0.18640	41.87	-22.33	64.20	31.94	9.65	0.28	QP																																																																																																																									
5 MAX	0.41927	29.69	-17.77	47.46	19.96	9.63	0.10	Average																																																																																																																									
6	0.41927	37.55	-19.91	57.46	27.82	9.63	0.10	QP																																																																																																																									
7	1.80001	24.89	-21.11	46.00	14.98	9.64	0.27	Average																																																																																																																									
8	1.80001	32.46	-23.54	56.00	22.55	9.64	0.27	QP																																																																																																																									
9	2.22493	26.39	-19.61	46.00	16.46	9.66	0.27	Average																																																																																																																									
10	2.22493	35.40	-20.60	56.00	25.47	9.66	0.27	QP																																																																																																																									
11	17.10851	18.18	-31.82	50.00	8.12	9.86	0.20	Average																																																																																																																									
12	17.10851	22.73	-37.27	60.00	12.67	9.86	0.20	QP																																																																																																																									
<p>Note 1: "&gt;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	PoE mode																																																																																																																																
<p style="text-align: right;">Date: 2017-10-02</p> <p style="text-align: center;">Frequency (MHz)</p>																																																																																																																																	
<table border="1"><thead><tr><th></th><th>Freq</th><th>Level</th><th>Over Limit</th><th>Limit Line</th><th>Read Level</th><th>LISN Factor</th><th>Cable Loss</th><th>Remark</th></tr><tr><th></th><th>MHz</th><th>dBuV</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>0.15485</td><td>36.38</td><td>-19.36</td><td>55.74</td><td>26.49</td><td>9.66</td><td>0.23</td><td>Average</td></tr><tr><td>2</td><td>0.15485</td><td>46.88</td><td>-18.86</td><td>65.74</td><td>36.99</td><td>9.66</td><td>0.23</td><td>QP</td></tr><tr><td>3 MAX</td><td>0.40831</td><td>31.33</td><td>-16.35</td><td>47.68</td><td>21.55</td><td>9.68</td><td>0.10</td><td>Average</td></tr><tr><td>4</td><td>0.40831</td><td>38.77</td><td>-18.91</td><td>57.68</td><td>28.99</td><td>9.68</td><td>0.10</td><td>QP</td></tr><tr><td>5</td><td>1.80957</td><td>21.51</td><td>-24.49</td><td>46.00</td><td>11.47</td><td>9.77</td><td>0.27</td><td>Average</td></tr><tr><td>6</td><td>1.80957</td><td>31.93</td><td>-24.07</td><td>56.00</td><td>21.89</td><td>9.77</td><td>0.27</td><td>QP</td></tr><tr><td>7</td><td>2.26057</td><td>26.52</td><td>-19.48</td><td>46.00</td><td>16.46</td><td>9.79</td><td>0.27</td><td>Average</td></tr><tr><td>8</td><td>2.26057</td><td>35.05</td><td>-20.95</td><td>56.00</td><td>24.99</td><td>9.79</td><td>0.27</td><td>QP</td></tr><tr><td>9</td><td>3.47218</td><td>19.94</td><td>-26.06</td><td>46.00</td><td>10.03</td><td>9.77</td><td>0.14</td><td>Average</td></tr><tr><td>10</td><td>3.47218</td><td>24.84</td><td>-31.16</td><td>56.00</td><td>14.93</td><td>9.77</td><td>0.14</td><td>QP</td></tr><tr><td>11</td><td>17.10851</td><td>17.94</td><td>-32.06</td><td>50.00</td><td>7.88</td><td>9.86</td><td>0.20</td><td>Average</td></tr><tr><td>12</td><td>17.10851</td><td>22.65</td><td>-37.35</td><td>60.00</td><td>12.59</td><td>9.86</td><td>0.20</td><td>QP</td></tr></tbody></table>					Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark		MHz	dBuV	dB	dBuV	dBuV	dB	dB		1	0.15485	36.38	-19.36	55.74	26.49	9.66	0.23	Average	2	0.15485	46.88	-18.86	65.74	36.99	9.66	0.23	QP	3 MAX	0.40831	31.33	-16.35	47.68	21.55	9.68	0.10	Average	4	0.40831	38.77	-18.91	57.68	28.99	9.68	0.10	QP	5	1.80957	21.51	-24.49	46.00	11.47	9.77	0.27	Average	6	1.80957	31.93	-24.07	56.00	21.89	9.77	0.27	QP	7	2.26057	26.52	-19.48	46.00	16.46	9.79	0.27	Average	8	2.26057	35.05	-20.95	56.00	24.99	9.79	0.27	QP	9	3.47218	19.94	-26.06	46.00	10.03	9.77	0.14	Average	10	3.47218	24.84	-31.16	56.00	14.93	9.77	0.14	QP	11	17.10851	17.94	-32.06	50.00	7.88	9.86	0.20	Average	12	17.10851	22.65	-37.35	60.00	12.59	9.86	0.20	QP
	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Remark																																																																																																																									
	MHz	dBuV	dB	dBuV	dBuV	dB	dB																																																																																																																										
1	0.15485	36.38	-19.36	55.74	26.49	9.66	0.23	Average																																																																																																																									
2	0.15485	46.88	-18.86	65.74	36.99	9.66	0.23	QP																																																																																																																									
3 MAX	0.40831	31.33	-16.35	47.68	21.55	9.68	0.10	Average																																																																																																																									
4	0.40831	38.77	-18.91	57.68	28.99	9.68	0.10	QP																																																																																																																									
5	1.80957	21.51	-24.49	46.00	11.47	9.77	0.27	Average																																																																																																																									
6	1.80957	31.93	-24.07	56.00	21.89	9.77	0.27	QP																																																																																																																									
7	2.26057	26.52	-19.48	46.00	16.46	9.79	0.27	Average																																																																																																																									
8	2.26057	35.05	-20.95	56.00	24.99	9.79	0.27	QP																																																																																																																									
9	3.47218	19.94	-26.06	46.00	10.03	9.77	0.14	Average																																																																																																																									
10	3.47218	24.84	-31.16	56.00	14.93	9.77	0.14	QP																																																																																																																									
11	17.10851	17.94	-32.06	50.00	7.88	9.86	0.20	Average																																																																																																																									
12	17.10851	22.65	-37.35	60.00	12.59	9.86	0.20	QP																																																																																																																									
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit.																																																																																																																																	
Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)																																																																																																																																	



AC Power-line Conducted Emissions Result																																																																																																																																										
Operating Mode	2	Power Phase	Neutral																																																																																																																																							
Operating Function	AC mode																																																																																																																																									
<div style="text-align: right;">Date: 2017-10-03</div> <table border="1"> <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>0.15240</td><td>25.81</td><td>-30.06</td><td>55.87</td><td>15.99</td><td>9.60</td><td>0.22</td><td>Average</td></tr> <tr><td>2</td><td>0.15240</td><td>40.81</td><td>-25.06</td><td>65.87</td><td>30.99</td><td>9.60</td><td>0.22</td><td>QP</td></tr> <tr><td>3</td><td>0.24293</td><td>32.96</td><td>-19.04</td><td>52.00</td><td>23.06</td><td>9.66</td><td>0.24</td><td>Average</td></tr> <tr><td>4</td><td>0.24293</td><td>38.42</td><td>-23.58</td><td>62.00</td><td>28.52</td><td>9.66</td><td>0.24</td><td>QP</td></tr> <tr><td>5</td><td>2.77945</td><td>36.25</td><td>-9.75</td><td>46.00</td><td>26.37</td><td>9.68</td><td>0.20</td><td>Average</td></tr> <tr><td>6</td><td>2.77945</td><td>42.13</td><td>-13.87</td><td>56.00</td><td>32.25</td><td>9.68</td><td>0.20</td><td>QP</td></tr> <tr><td><b>7 MAX</b></td><td><b>4.62230</b></td><td><b>39.00</b></td><td><b>-7.00</b></td><td><b>46.00</b></td><td><b>29.17</b></td><td><b>9.71</b></td><td><b>0.12</b></td><td><b>Average</b></td></tr> <tr><td>8</td><td>4.62230</td><td>44.61</td><td>-11.39</td><td>56.00</td><td>34.78</td><td>9.71</td><td>0.12</td><td>QP</td></tr> <tr><td>9</td><td>7.48603</td><td>41.62</td><td>-8.38</td><td>50.00</td><td>31.72</td><td>9.73</td><td>0.17</td><td>Average</td></tr> <tr><td>10</td><td>7.48603</td><td>46.85</td><td>-13.15</td><td>60.00</td><td>36.95</td><td>9.73</td><td>0.17</td><td>QP</td></tr> <tr><td>11</td><td>17.70237</td><td>41.07</td><td>-8.93</td><td>50.00</td><td>31.01</td><td>9.86</td><td>0.20</td><td>Average</td></tr> <tr><td>12</td><td>17.70237</td><td>41.53</td><td>-18.47</td><td>60.00</td><td>31.47</td><td>9.86</td><td>0.20</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	0.15240	25.81	-30.06	55.87	15.99	9.60	0.22	Average	2	0.15240	40.81	-25.06	65.87	30.99	9.60	0.22	QP	3	0.24293	32.96	-19.04	52.00	23.06	9.66	0.24	Average	4	0.24293	38.42	-23.58	62.00	28.52	9.66	0.24	QP	5	2.77945	36.25	-9.75	46.00	26.37	9.68	0.20	Average	6	2.77945	42.13	-13.87	56.00	32.25	9.68	0.20	QP	<b>7 MAX</b>	<b>4.62230</b>	<b>39.00</b>	<b>-7.00</b>	<b>46.00</b>	<b>29.17</b>	<b>9.71</b>	<b>0.12</b>	<b>Average</b>	8	4.62230	44.61	-11.39	56.00	34.78	9.71	0.12	QP	9	7.48603	41.62	-8.38	50.00	31.72	9.73	0.17	Average	10	7.48603	46.85	-13.15	60.00	36.95	9.73	0.17	QP	11	17.70237	41.07	-8.93	50.00	31.01	9.86	0.20	Average	12	17.70237	41.53	-18.47	60.00	31.47	9.86	0.20	QP
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark																																																																																																																																		
	MHz	dBuV	Limit	Line	Level	Factor	Loss																																																																																																																																			
			dB	dBuV	dBuV	dB	dB																																																																																																																																			
1	0.15240	25.81	-30.06	55.87	15.99	9.60	0.22	Average																																																																																																																																		
2	0.15240	40.81	-25.06	65.87	30.99	9.60	0.22	QP																																																																																																																																		
3	0.24293	32.96	-19.04	52.00	23.06	9.66	0.24	Average																																																																																																																																		
4	0.24293	38.42	-23.58	62.00	28.52	9.66	0.24	QP																																																																																																																																		
5	2.77945	36.25	-9.75	46.00	26.37	9.68	0.20	Average																																																																																																																																		
6	2.77945	42.13	-13.87	56.00	32.25	9.68	0.20	QP																																																																																																																																		
<b>7 MAX</b>	<b>4.62230</b>	<b>39.00</b>	<b>-7.00</b>	<b>46.00</b>	<b>29.17</b>	<b>9.71</b>	<b>0.12</b>	<b>Average</b>																																																																																																																																		
8	4.62230	44.61	-11.39	56.00	34.78	9.71	0.12	QP																																																																																																																																		
9	7.48603	41.62	-8.38	50.00	31.72	9.73	0.17	Average																																																																																																																																		
10	7.48603	46.85	-13.15	60.00	36.95	9.73	0.17	QP																																																																																																																																		
11	17.70237	41.07	-8.93	50.00	31.01	9.86	0.20	Average																																																																																																																																		
12	17.70237	41.53	-18.47	60.00	31.47	9.86	0.20	QP																																																																																																																																		
Note 1: ">20dB" means emission levels that exceed the level of 20 dB below the applicable limit. Note 2: "N/F" means Nothing Found emissions (No emissions were detected.)																																																																																																																																										





**Summary**

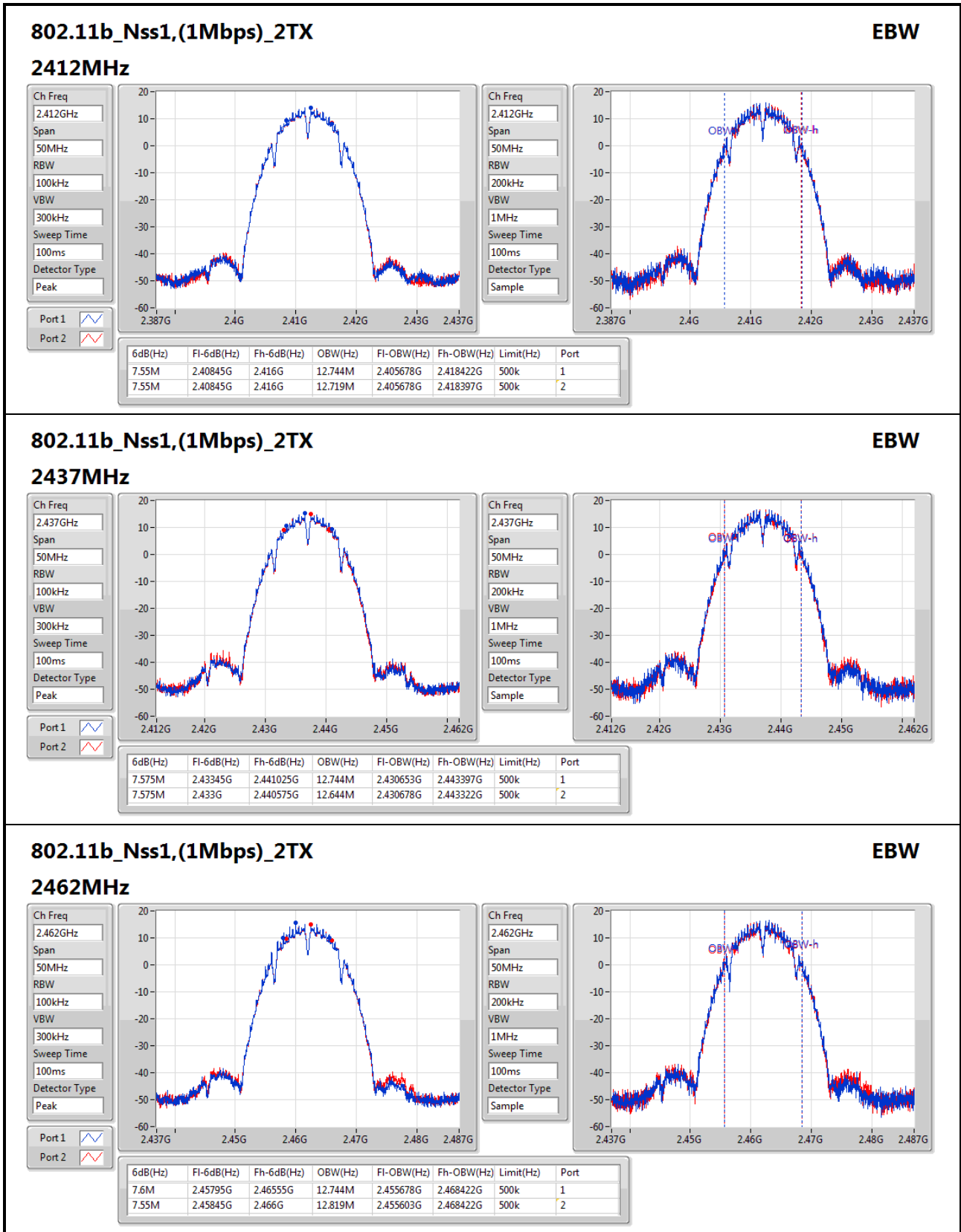
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.6M	12.819M	12M8G1D	7.55M	12.644M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.517M	16M5D1D	16.3M	16.392M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.625M	17.641M	17M6D1D	17.55M	17.591M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.9M	35.932M	35M9D1D	33.65M	35.882M

**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;

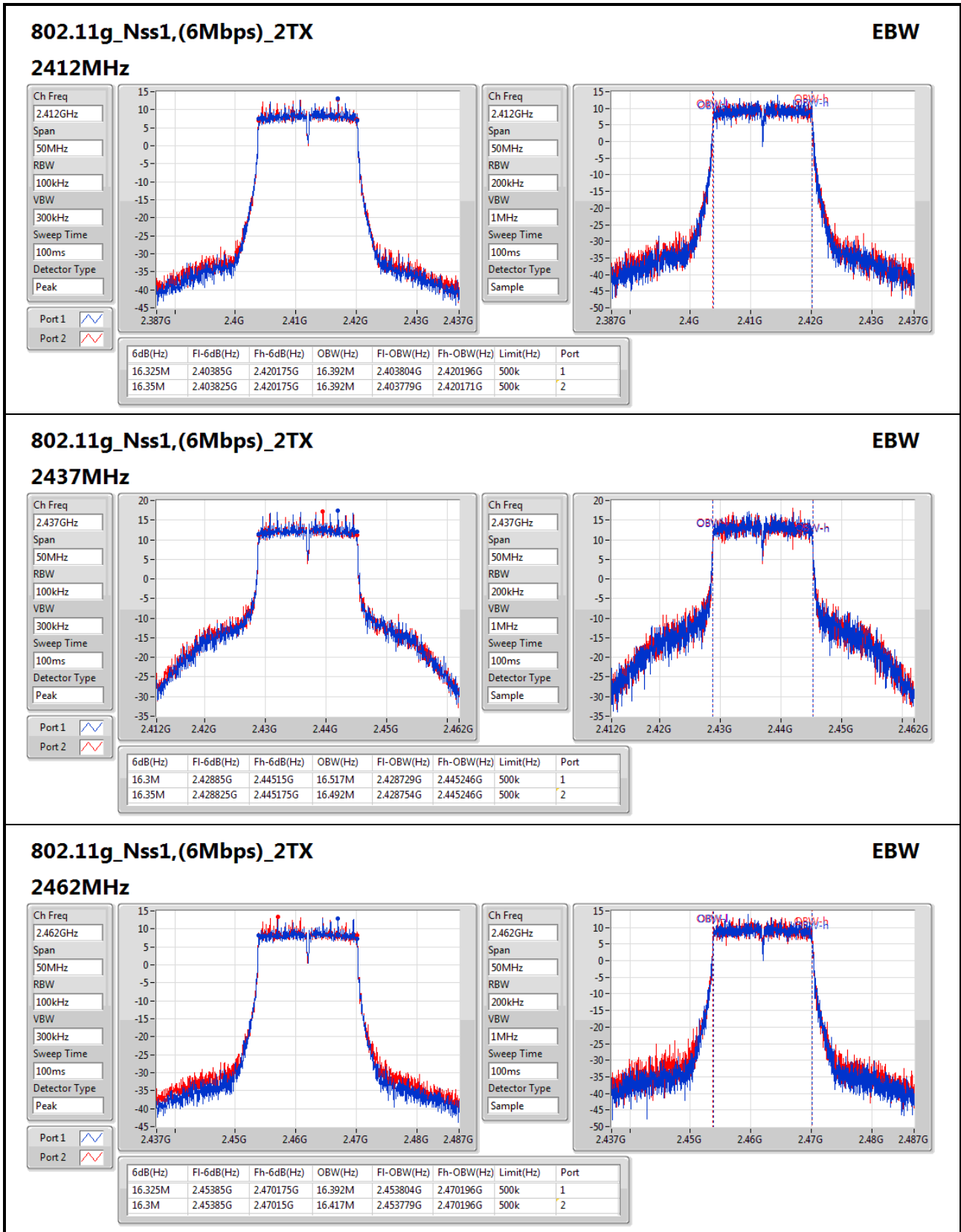
**Result**

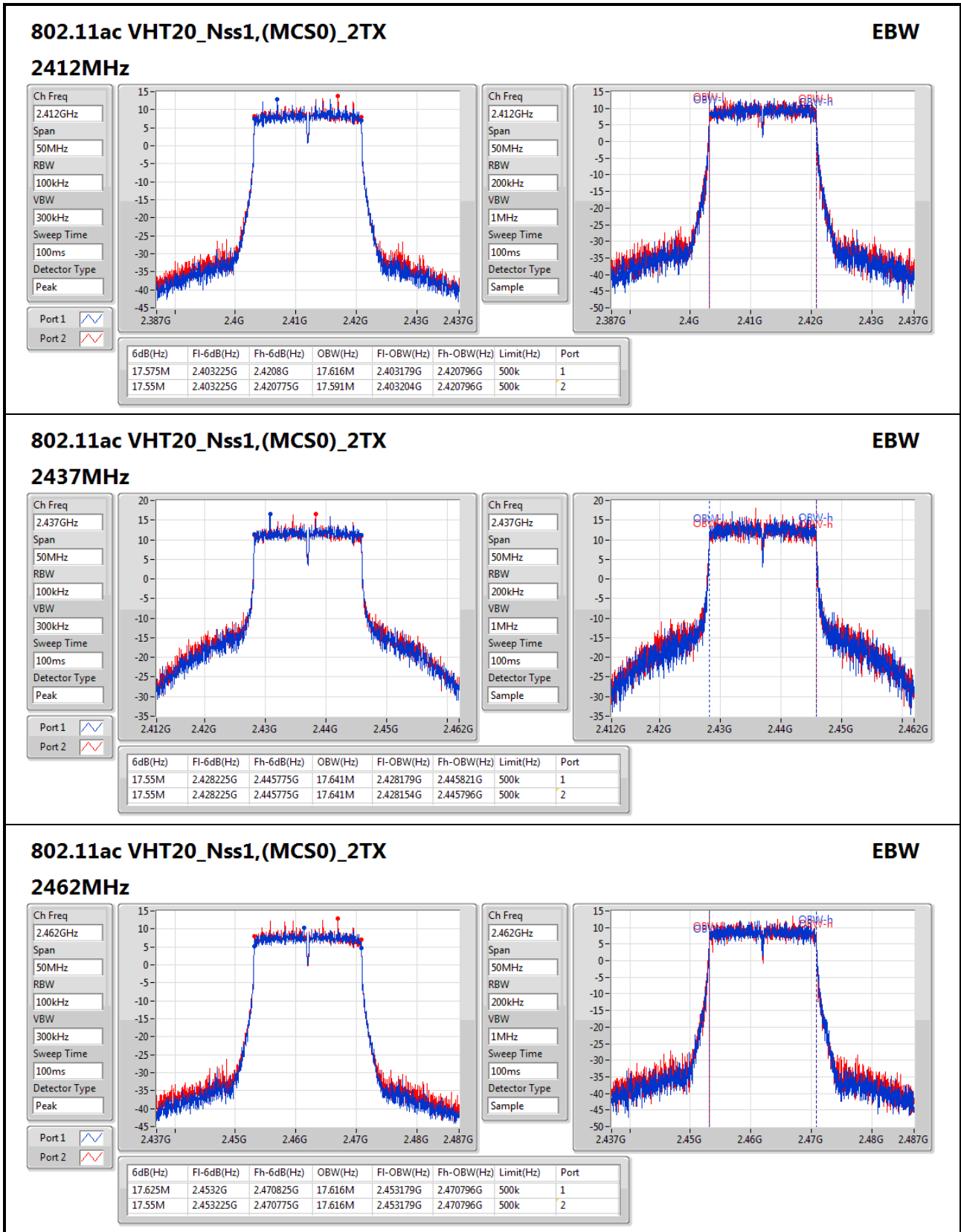
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	7.55M	12.744M	7.55M	12.719M
2437MHz_TnomVnom	Pass	500k	7.575M	12.744M	7.575M	12.644M
2462MHz_TnomVnom	Pass	500k	7.6M	12.744M	7.55M	12.819M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	16.325M	16.392M	16.35M	16.392M
2437MHz_TnomVnom	Pass	500k	16.3M	16.517M	16.35M	16.492M
2462MHz_TnomVnom	Pass	500k	16.325M	16.392M	16.3M	16.417M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	500k	17.575M	17.616M	17.55M	17.591M
2437MHz_TnomVnom	Pass	500k	17.55M	17.641M	17.55M	17.641M
2462MHz_TnomVnom	Pass	500k	17.625M	17.616M	17.55M	17.616M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	500k	35.9M	35.882M	33.75M	35.882M
2437MHz_TnomVnom	Pass	500k	35M	35.932M	33.65M	35.932M
2452MHz_TnomVnom	Pass	500k	33.75M	35.882M	33.65M	35.882M

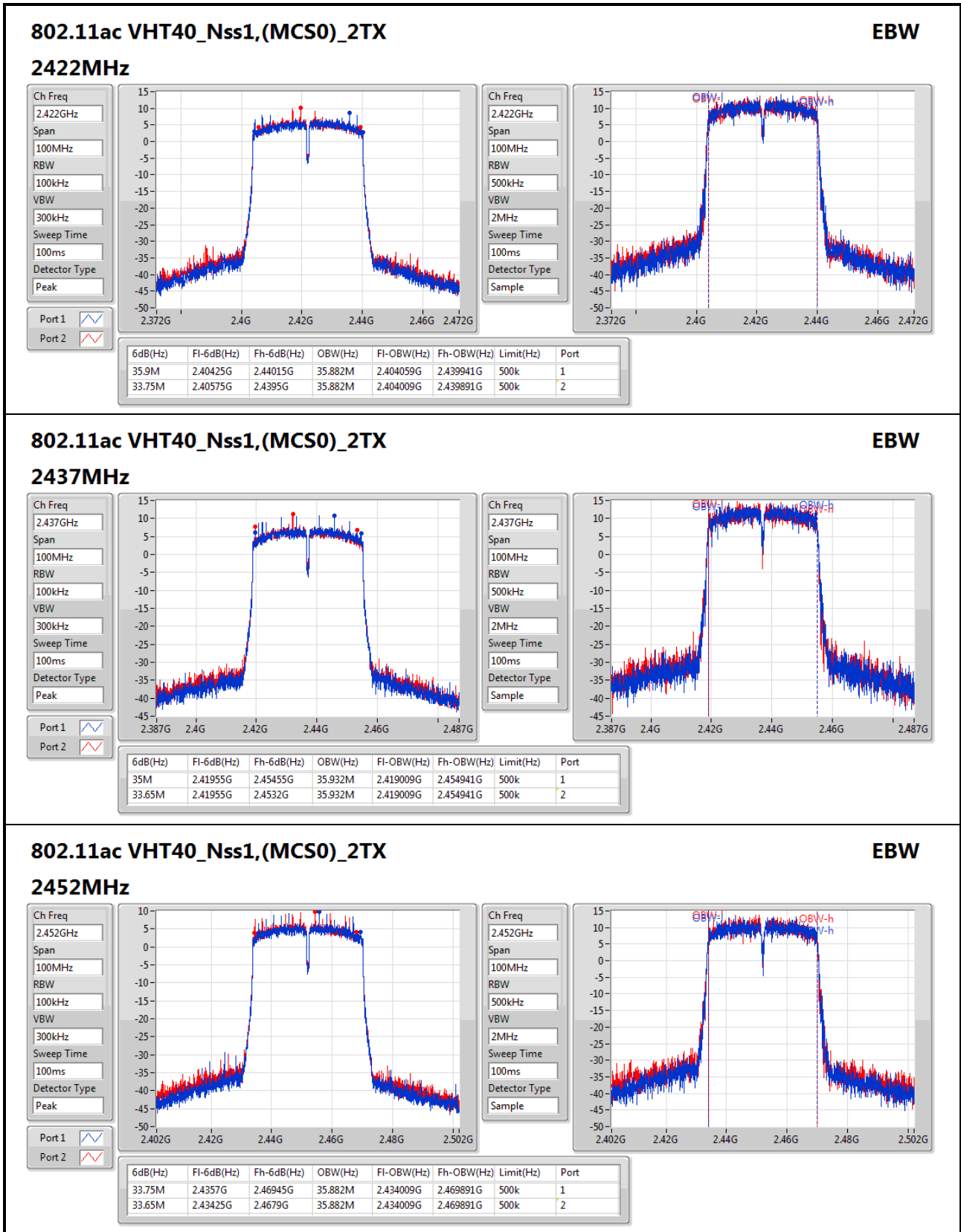
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;













Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.06	0.63973
802.11g_Nss1,(6Mbps)_2TX	29.94	0.98628
802.11ac VHT20_Nss1,(MCS0)_2TX	29.80	0.95499
802.11ac VHT40_Nss1,(MCS0)_2TX	26.62	0.45920

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.90	23.90	24.01	26.97	30.00
2437MHz_TnomVnom	Pass	5.90	25.11	24.98	28.06	30.00
2462MHz_TnomVnom	Pass	5.90	24.90	24.93	27.93	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.90	23.09	22.91	26.01	30.00
2437MHz_TnomVnom	Pass	5.90	26.86	27.00	29.94	30.00
2462MHz_TnomVnom	Pass	5.90	22.98	23.15	26.08	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	5.90	23.48	23.55	26.53	30.00
2437MHz_TnomVnom	Pass	5.90	26.77	26.80	29.80	30.00
2462MHz_TnomVnom	Pass	5.90	22.54	22.81	25.69	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	5.90	22.70	22.79	25.76	30.00
2437MHz_TnomVnom	Pass	5.90	23.58	23.63	26.62	30.00
2452MHz_TnomVnom	Pass	5.90	22.35	22.57	25.47	30.00

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



**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	0.31
802.11g_Nss1,(6Mbps)_2TX	2.93
802.11ac VHT20_Nss1,(MCS0)_2TX	1.57
802.11ac VHT40_Nss1,(MCS0)_2TX	-2.71

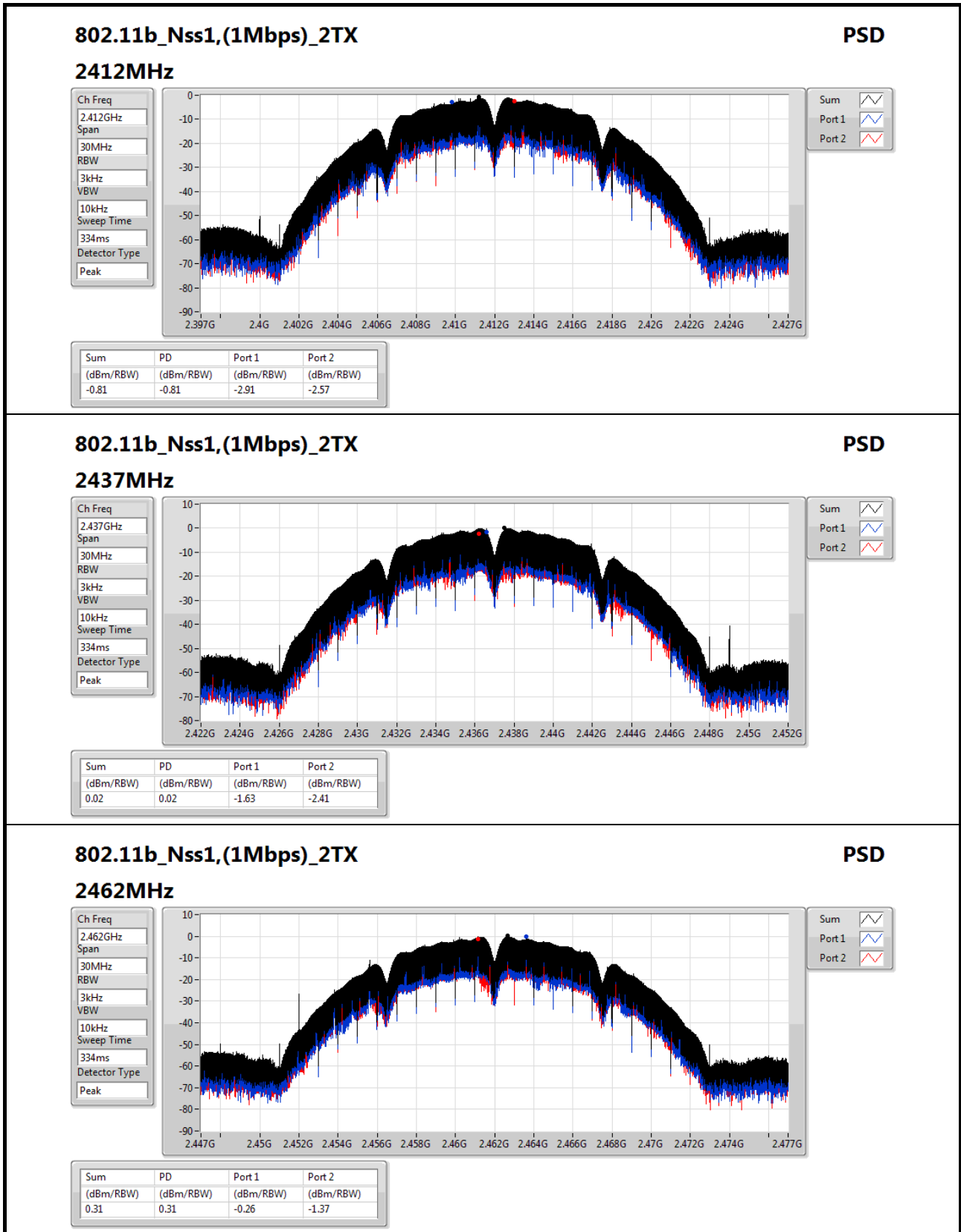
RBW=3kHz.

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.91	-2.91	-2.57	-0.81	5.09
2437MHz	Pass	8.91	-1.63	-2.41	0.02	5.09
2462MHz	Pass	8.91	-0.26	-1.37	0.31	5.09
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.91	-3.89	-3.60	-1.59	5.09
2437MHz	Pass	8.91	-0.22	1.86	2.93	5.09
2462MHz	Pass	8.91	-3.42	-3.74	-1.68	5.09
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.91	-3.49	-3.07	-1.07	5.09
2437MHz	Pass	8.91	-0.30	-0.50	1.57	5.09
2462MHz	Pass	8.91	-4.37	-4.10	-1.62	5.09
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.91	-6.07	-6.21	-3.41	5.09
2437MHz	Pass	8.91	-4.94	-5.61	-2.71	5.09
2452MHz	Pass	8.91	-6.25	-5.59	-3.94	5.09

DG = Directional Gain; RBW=3kHz;

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


**802.11b\_Nss1,(1Mbps)\_2TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

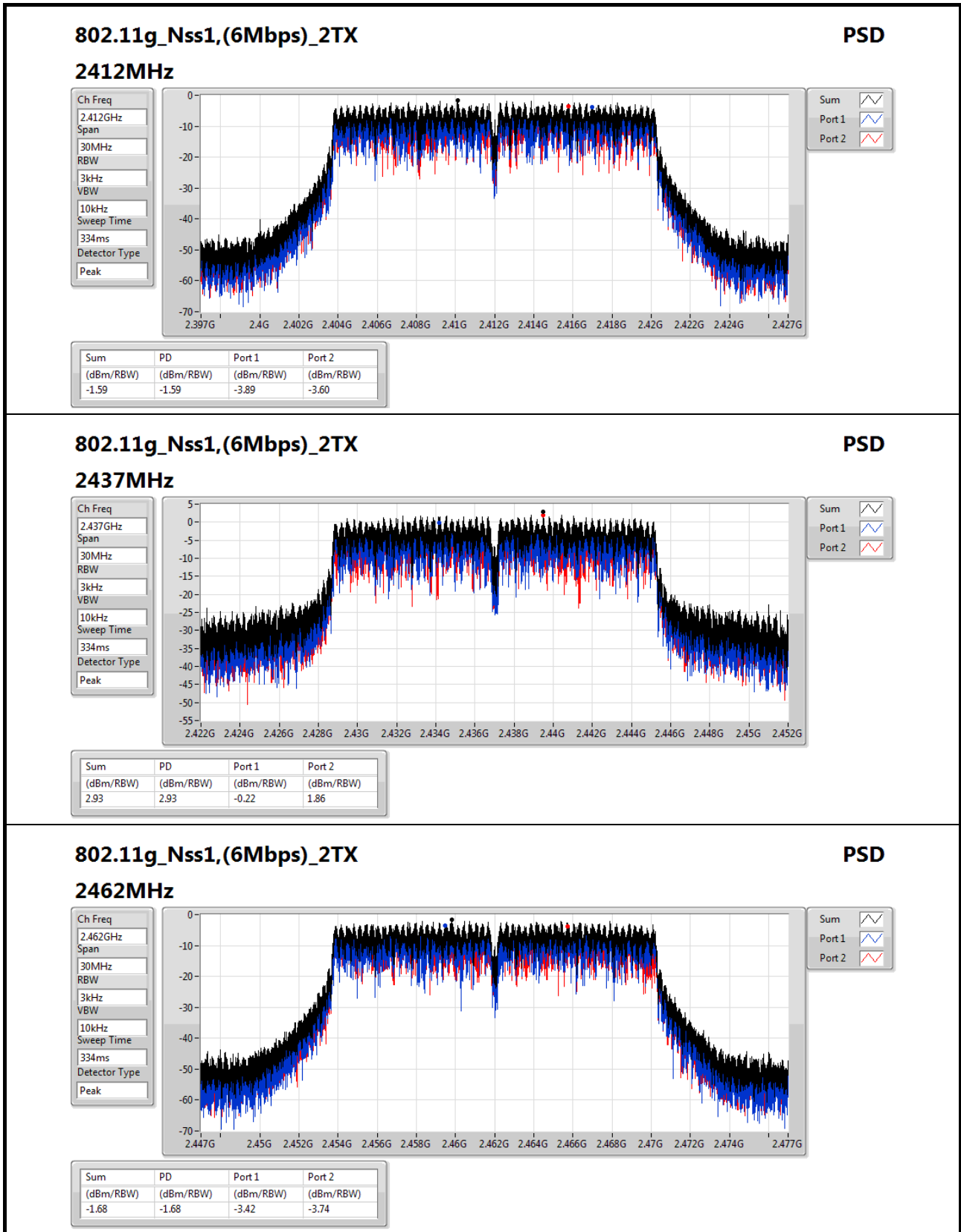
Detector Type  
Peak

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.31	0.31	-0.26	-1.37


**802.11g\_Nss1,(6Mbps)\_2TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

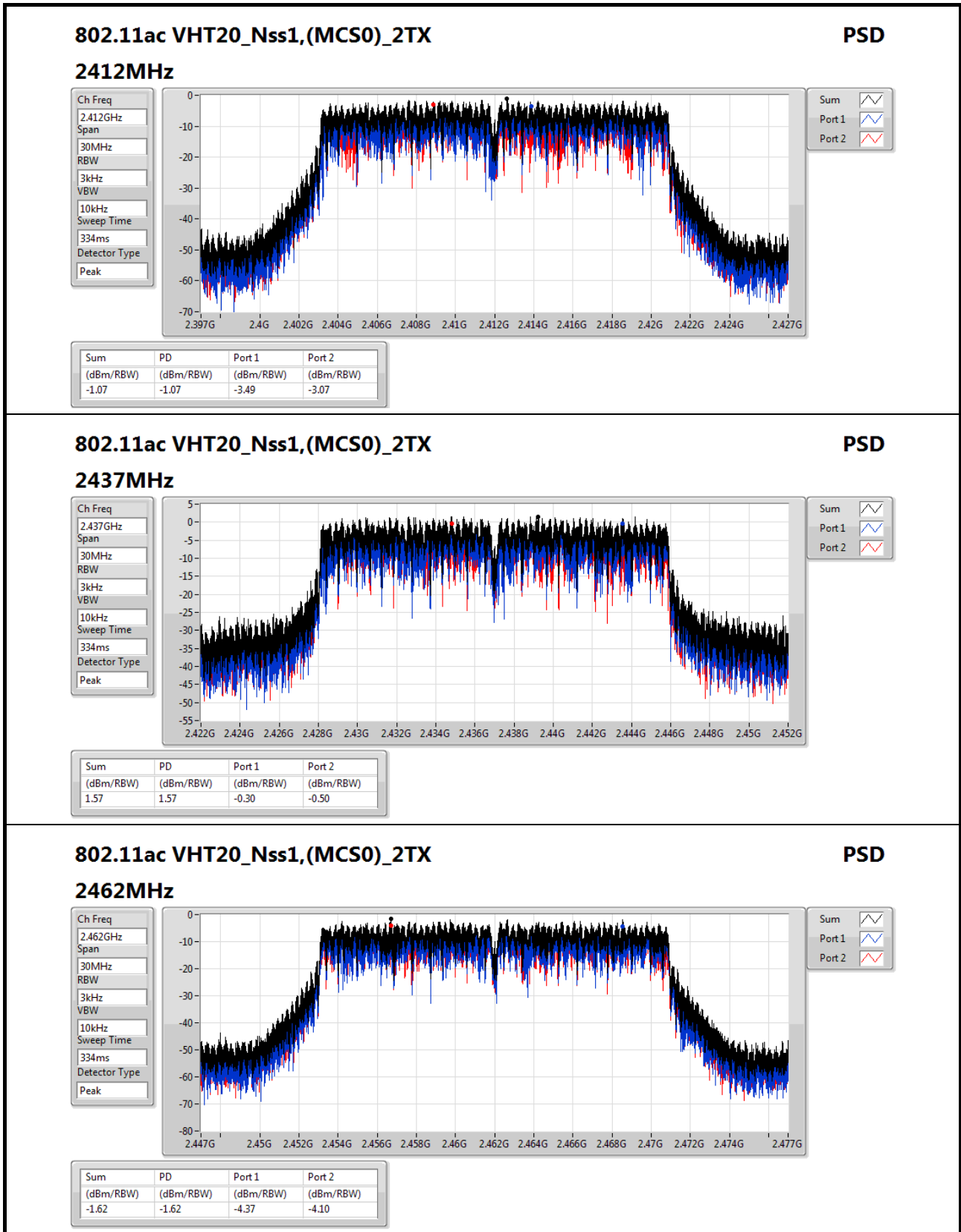
Detector Type  
Peak

Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.68	-1.68	-3.42	-3.74



### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

#### 2462MHz

### PSD

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)
-1.62	-1.62	-4.37	-4.10





### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

Ch Freq  
2.422GHz

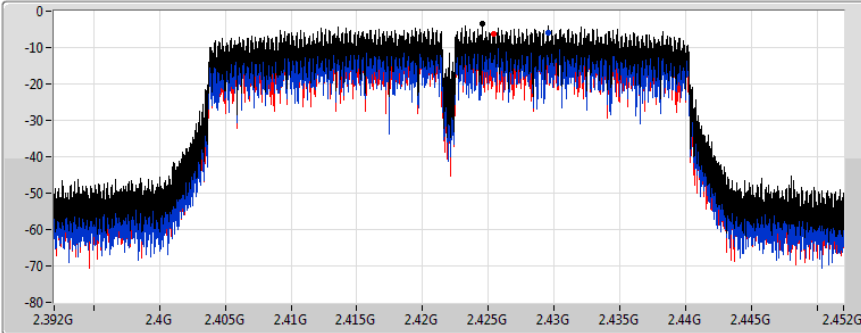
Span  
60MHz

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)
-3.41	-3.41	-6.07	-6.21

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

Ch Freq  
2.437GHz

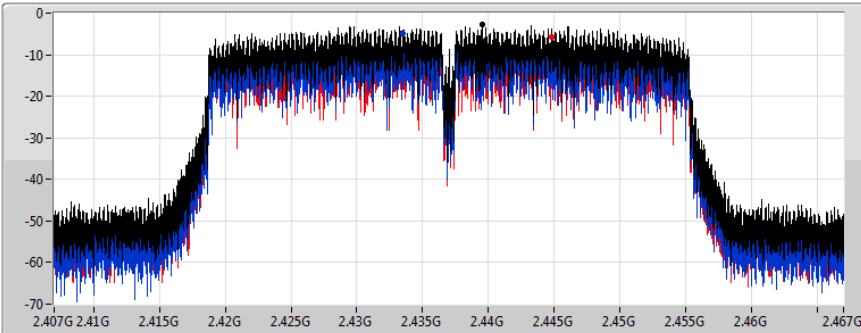
Span  
60MHz

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)
-2.71	-2.71	-4.94	-5.61

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

Ch Freq  
2.452GHz

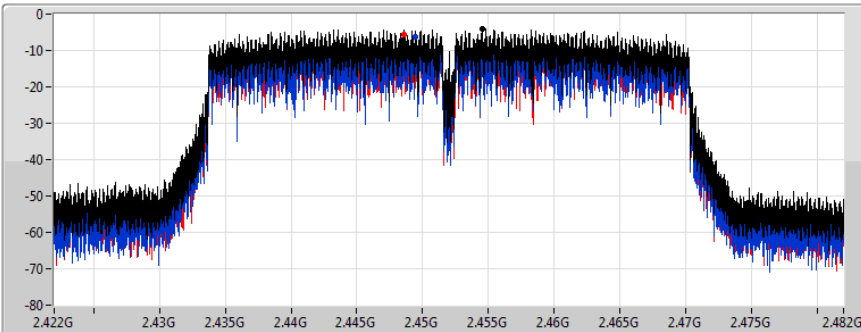
Span  
60MHz

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)
-3.94	-3.94	-6.25	-5.59

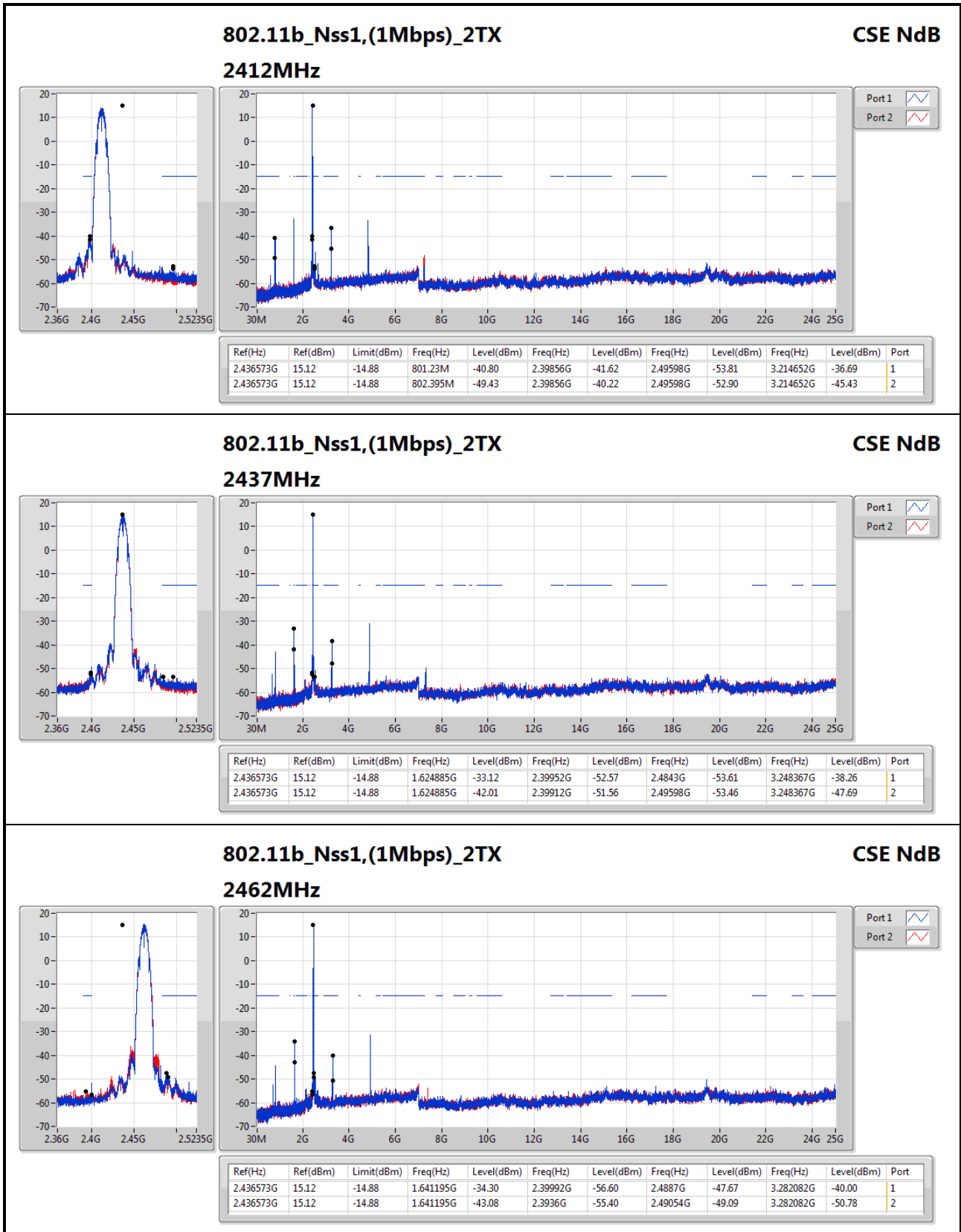


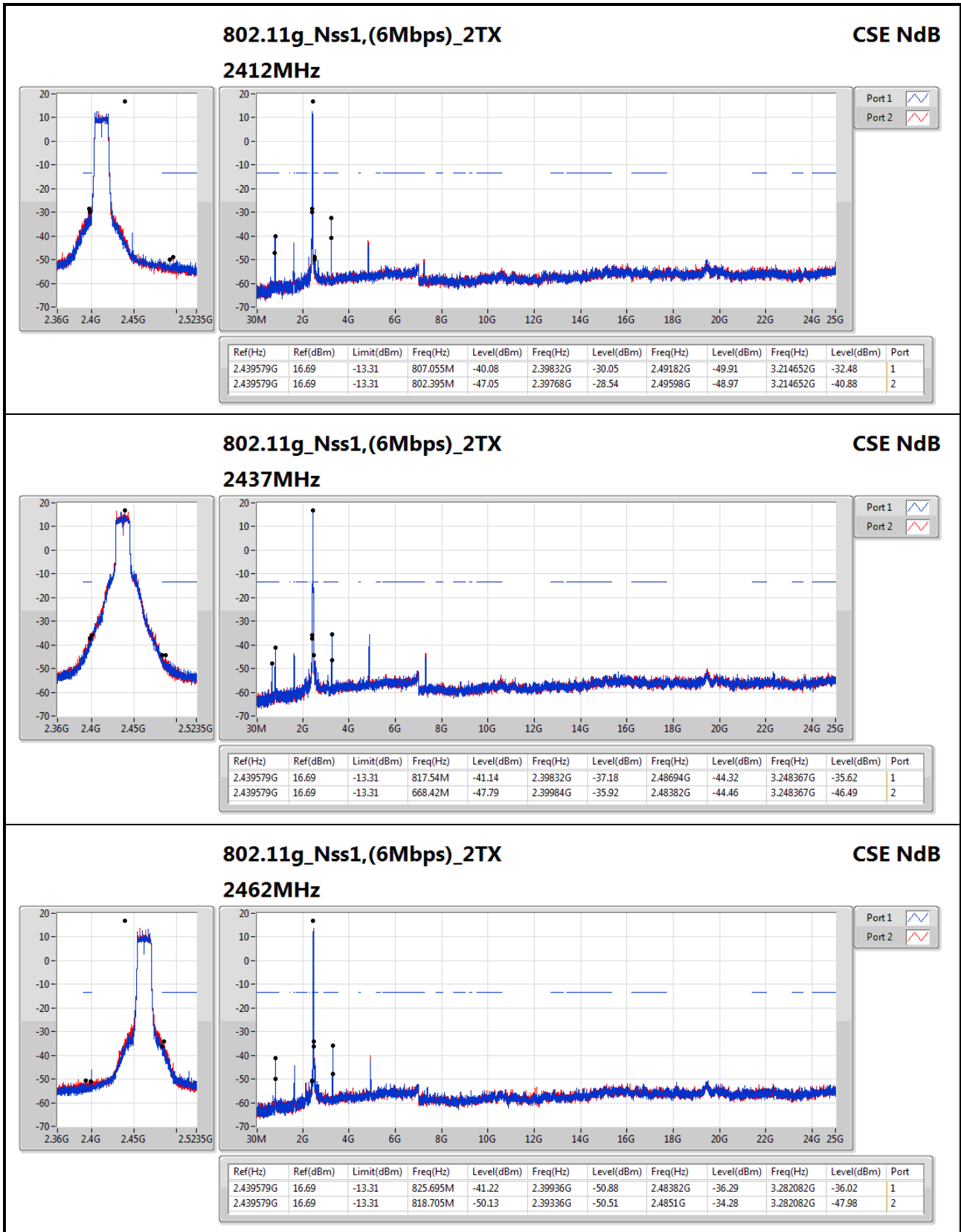
Summary

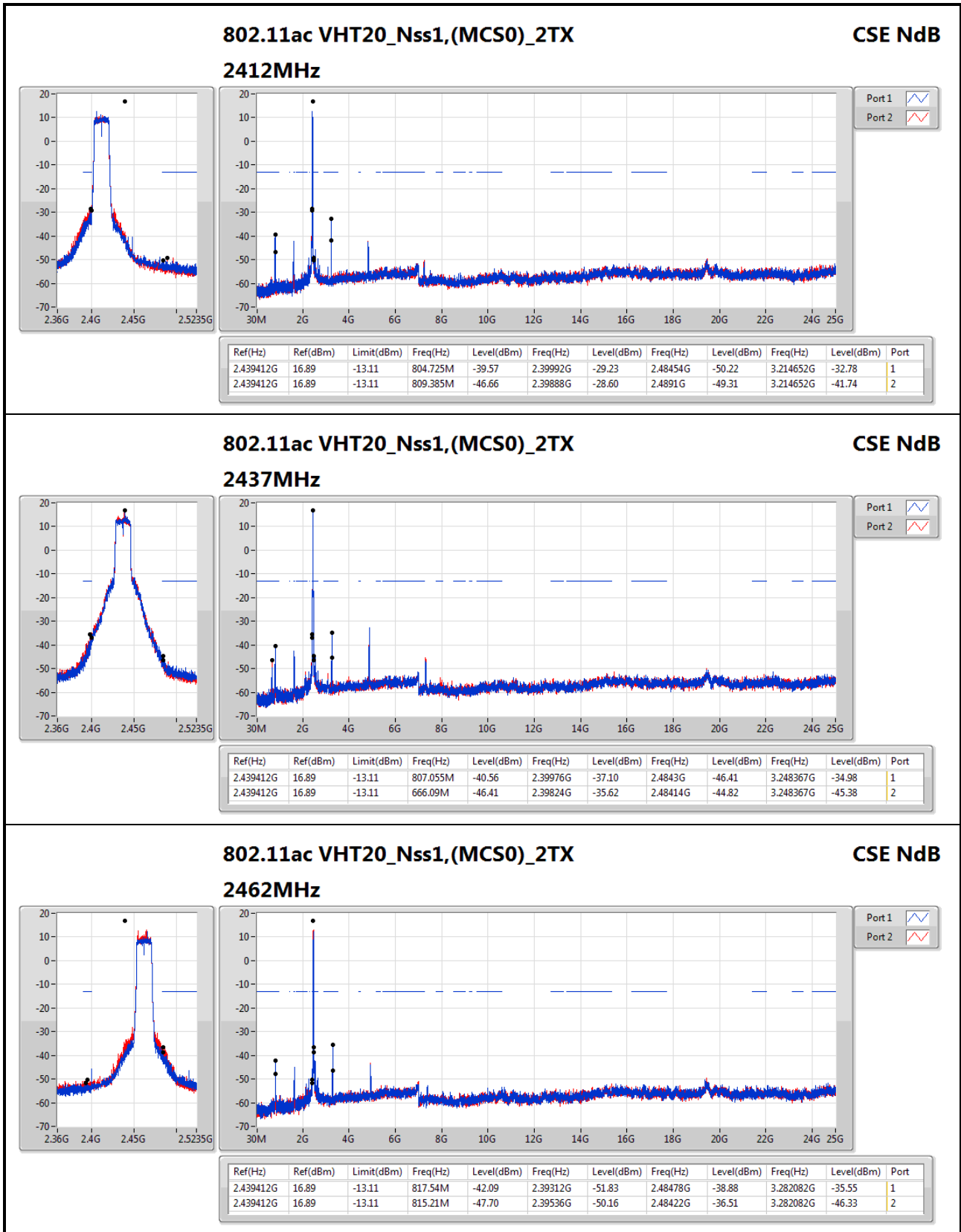
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.436573G	15.12	-14.88	1.624885G	-33.12	2.39952G	-52.57	2.4843G	-53.61	3.248367G	-38.26	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.439579G	16.69	-13.31	802.395M	-47.05	2.39768G	-28.54	2.49598G	-48.97	3.214652G	-40.88	2
802.11ac_VHT20_Nss1,(MCS0)_2TX	Pass	2.439412G	16.89	-13.11	809.385M	-46.66	2.39888G	-28.60	2.4891G	-49.31	3.214652G	-41.74	2
802.11ac_VHT40_Nss1,(MCS0)_2TX	Pass	2.429392G	10.67	-19.33	802.875M	-48.11	2.39856G	-31.54	2.4851G	-47.03	3.228181G	-41.40	2

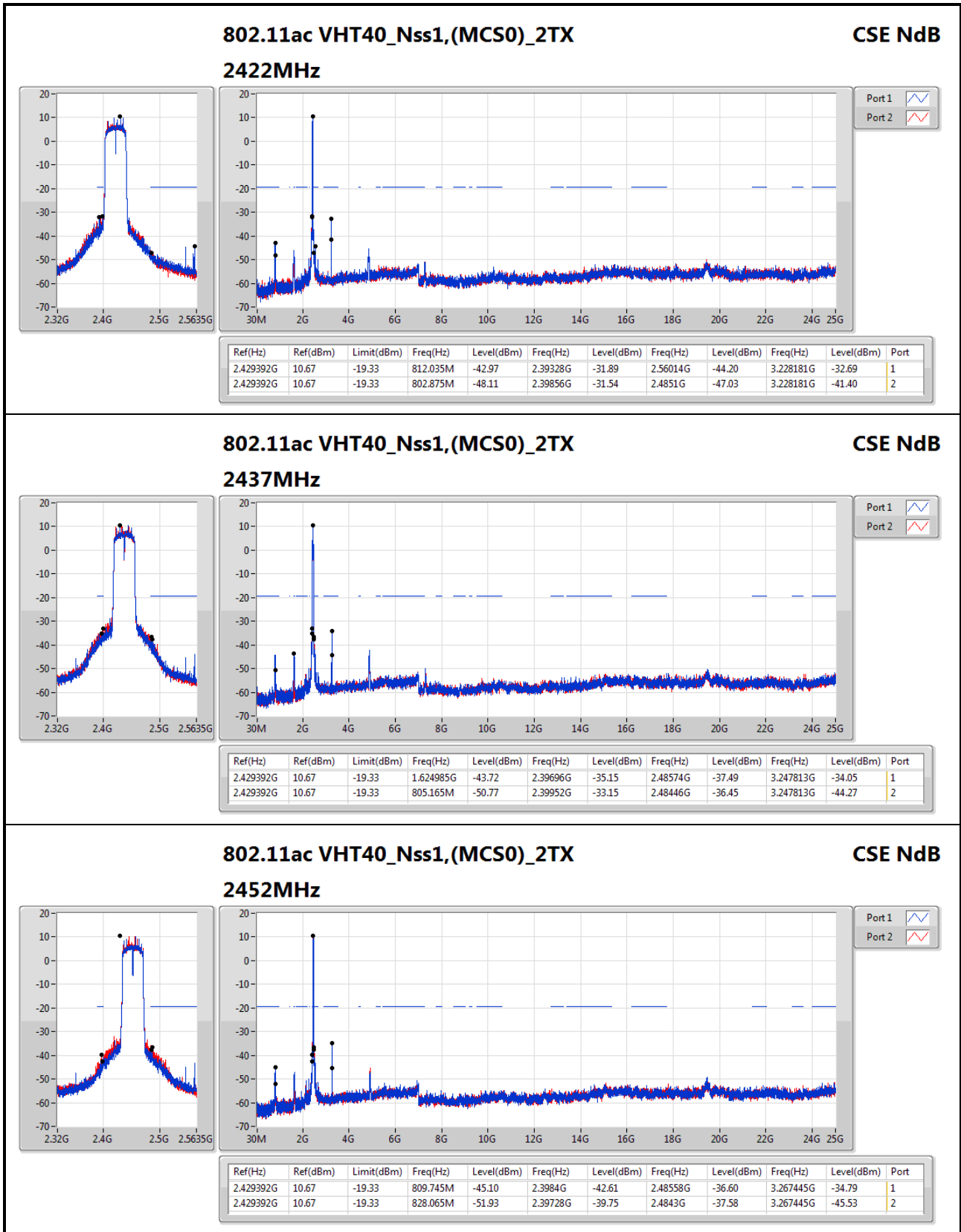
Result

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)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	801.23M	-40.80	2.39856G	-41.62	2.49598G	-53.81	3.214652G	-36.69	1
2412MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	802.395M	-49.43	2.39856G	-40.22	2.49598G	-52.90	3.214652G	-45.43	2
2437MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	1.624885G	-33.12	2.39952G	-52.57	2.4843G	-53.61	3.248367G	-38.26	1
2437MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	1.624885G	-42.01	2.39912G	-51.56	2.49598G	-53.46	3.248367G	-47.69	2
2462MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	1.641195G	-34.30	2.39992G	-56.60	2.4887G	-47.67	3.282082G	-40.00	1
2462MHz_TnomVnom	Pass	2.436573G	15.12	-14.88	1.641195G	-43.08	2.3936G	-55.40	2.49054G	-49.09	3.282082G	-50.78	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	807.055M	-40.08	2.39832G	-30.05	2.49182G	-49.91	3.214652G	-32.48	1
2412MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	802.395M	-47.05	2.39768G	-28.54	2.49598G	-48.97	3.214652G	-40.88	2
2437MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	817.54M	-41.14	2.39832G	-37.18	2.48694G	-44.32	3.248367G	-35.62	1
2437MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	668.42M	-47.79	2.39984G	-35.92	2.48382G	-44.46	3.248367G	-46.49	2
2462MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	825.695M	-41.22	2.39936G	-50.88	2.48382G	-36.29	3.282082G	-36.02	1
2462MHz_TnomVnom	Pass	2.439579G	16.69	-13.31	818.705M	-50.13	2.39336G	-50.51	2.4851G	-34.28	3.282082G	-47.98	2
802.11ac_VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	804.725M	-39.57	2.39992G	-29.23	2.48454G	-50.22	3.214652G	-32.78	1
2412MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	809.385M	-46.66	2.39888G	-28.60	2.4891G	-49.31	3.214652G	-41.74	2
2437MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	807.055M	-40.56	2.39976G	-37.10	2.4843G	-46.41	3.248367G	-34.98	1
2437MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	666.09M	-46.41	2.39824G	-35.62	2.48414G	-44.82	3.248367G	-45.38	2
2462MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	817.54M	-42.09	2.39312G	-51.83	2.48478G	-38.88	3.282082G	-35.55	1
2462MHz_TnomVnom	Pass	2.439412G	16.89	-13.11	815.21M	-47.70	2.39536G	-50.16	2.48422G	-36.51	3.282082G	-46.33	2
802.11ac_VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	812.035M	-42.97	2.39328G	-31.89	2.56014G	-44.20	3.228181G	-32.69	1
2422MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	802.875M	-48.11	2.39856G	-31.54	2.4851G	-47.03	3.228181G	-41.40	2
2437MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	1.624985G	-43.72	2.39696G	-35.15	2.48574G	-37.49	3.247813G	-34.05	1
2437MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	805.165M	-50.77	2.39952G	-33.15	2.48446G	-36.45	3.247813G	-44.27	2
2452MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	809.745M	-45.10	2.3984G	-42.61	2.48558G	-36.60	3.267445G	-34.79	1
2452MHz_TnomVnom	Pass	2.429392G	10.67	-19.33	828.065M	-51.93	2.39728G	-39.75	2.4843G	-37.58	3.267445G	-45.53	2











Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	QP	400.54M	42.87	46.00	-3.13	-4.04	3	Vertical	34	1.28	-



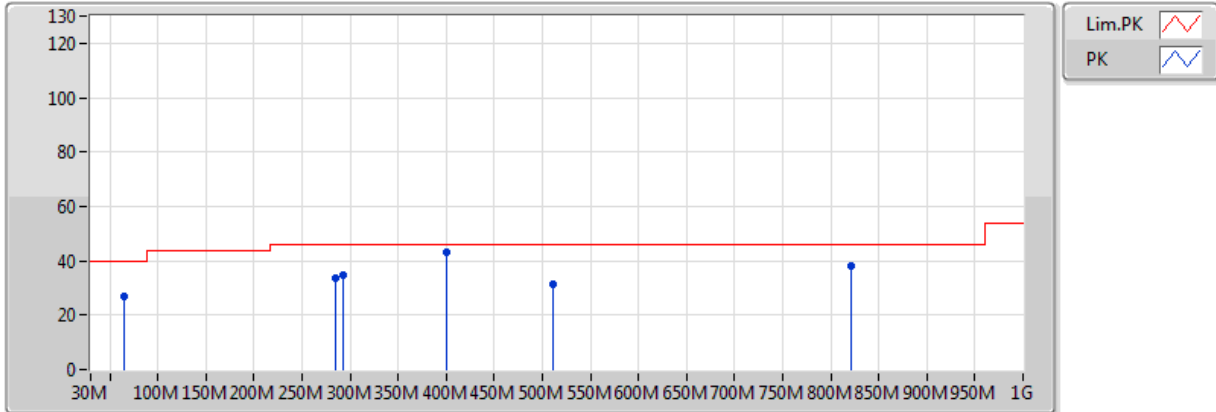
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2437MHz_PoE	Pass	PK	101.78M	28.05	43.50	-15.45	-10.15	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	260.86M	30.15	46.00	-15.85	-6.41	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	278.32M	41.04	46.00	-4.96	-6.93	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	400.54M	36.94	46.00	-9.06	-4.04	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	699.3M	34.75	46.00	-11.25	-0.34	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	815.7M	35.57	46.00	-10.43	1.43	3	Horizontal	360	1.00	-
2437MHz_PoE	Pass	PK	64.92M	26.65	40.00	-13.35	-14.85	3	Vertical	0	1.00	-
2437MHz_PoE	Pass	PK	284.14M	33.57	46.00	-12.43	-6.82	3	Vertical	0	1.00	-
2437MHz_PoE	Pass	PK	291.9M	34.55	46.00	-11.45	-6.65	3	Vertical	0	1.00	-
2437MHz_PoE	Pass	PK	511.12M	31.42	46.00	-14.58	-2.24	3	Vertical	0	1.00	-
2437MHz_PoE	Pass	PK	821.52M	38.14	46.00	-7.86	1.54	3	Vertical	0	1.00	-
2437MHz_PoE	Pass	QP	400.54M	42.87	46.00	-3.13	-4.04	3	Vertical	34	1.28	-
2437MHz_AC	Pass	PK	30M	25.59	40.00	-14.41	-5.15	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	132.82M	22.55	43.50	-20.95	-9.23	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	260.86M	23.35	46.00	-22.65	-6.41	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	528.58M	29.40	46.00	-16.60	-1.72	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	732.28M	32.62	46.00	-13.38	0.33	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	932.1M	34.46	46.00	-11.54	3.07	3	Horizontal	0	1.00	-
2437MHz_AC	Pass	PK	30M	26.91	40.00	-13.09	-5.15	3	Vertical	360	1.00	-
2437MHz_AC	Pass	PK	125.06M	22.15	43.50	-21.35	-8.94	3	Vertical	360	1.00	-
2437MHz_AC	Pass	PK	289.96M	24.20	46.00	-21.80	-6.70	3	Vertical	360	1.00	-
2437MHz_AC	Pass	PK	553.8M	30.67	46.00	-15.33	-1.11	3	Vertical	360	1.00	-
2437MHz_AC	Pass	PK	751.68M	32.24	46.00	-13.76	0.71	3	Vertical	360	1.00	-
2437MHz_AC	Pass	PK	947.62M	34.86	46.00	-11.14	3.09	3	Vertical	360	1.00	-



### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_PoE

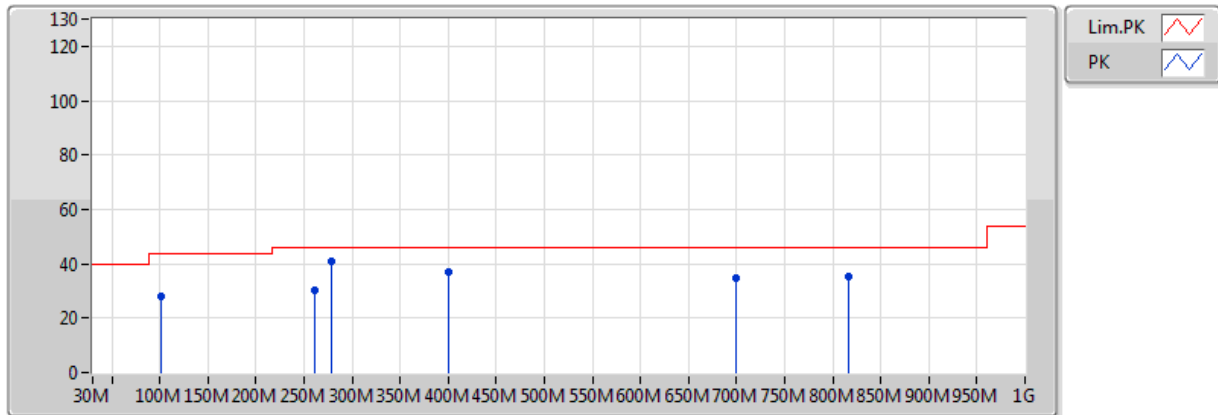


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	64.92M	26.65	40.00	-13.35	-14.85	3	Vertical	0	1.00	-	41.50	11.49	1.29	27.63
PK	284.14M	33.57	46.00	-12.43	-6.82	3	Vertical	0	1.00	-	40.39	17.99	2.42	27.24
PK	291.9M	34.55	46.00	-11.45	-6.65	3	Vertical	0	1.00	-	41.20	18.09	2.47	27.22
PK	511.12M	31.42	46.00	-14.58	-2.24	3	Vertical	0	1.00	-	33.66	22.83	3.43	28.50
PK	821.52M	38.14	46.00	-7.86	1.54	3	Vertical	0	1.00	-	36.60	25.00	4.52	27.98
QP	400.54M	42.87	46.00	-3.13	-4.04	3	Vertical	34	1.28	-	46.91	20.92	3.00	27.96

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_PoE

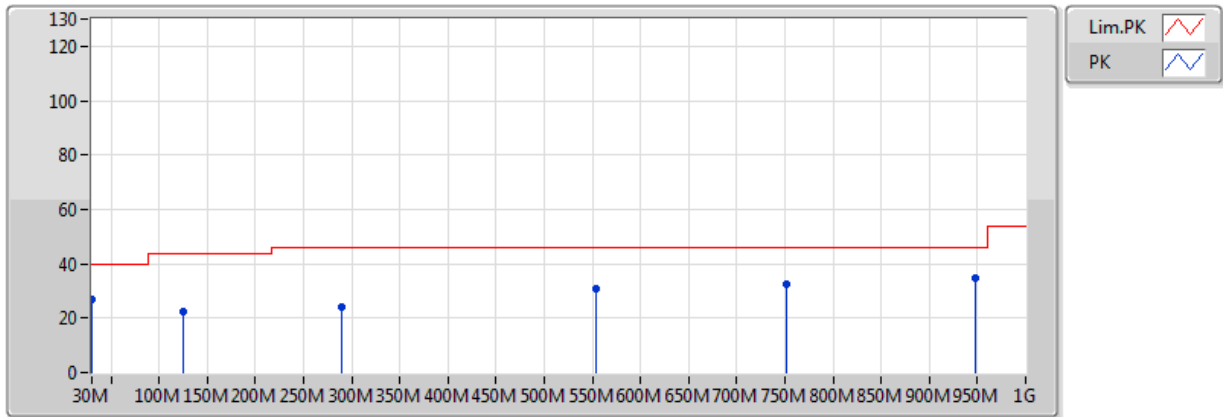


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	101.78M	28.05	43.50	-15.45	-10.15	3	Horizontal	360	1.00	-	38.20	16.21	1.44	27.80
PK	278.32M	41.04	46.00	-4.96	-6.93	3	Horizontal	360	1.00	-	47.97	17.94	2.39	27.25
PK	260.86M	30.15	46.00	-15.85	-6.41	3	Horizontal	360	1.00	-	36.56	18.62	2.28	27.30
PK	400.54M	36.94	46.00	-9.06	-4.04	3	Horizontal	360	1.00	-	40.98	20.92	3.00	27.96
PK	699.3M	34.75	46.00	-11.25	-0.34	3	Horizontal	360	1.00	-	35.09	23.94	4.10	28.38
PK	815.7M	35.57	46.00	-10.43	1.43	3	Horizontal	360	1.00	-	34.14	24.96	4.48	28.01

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_AC

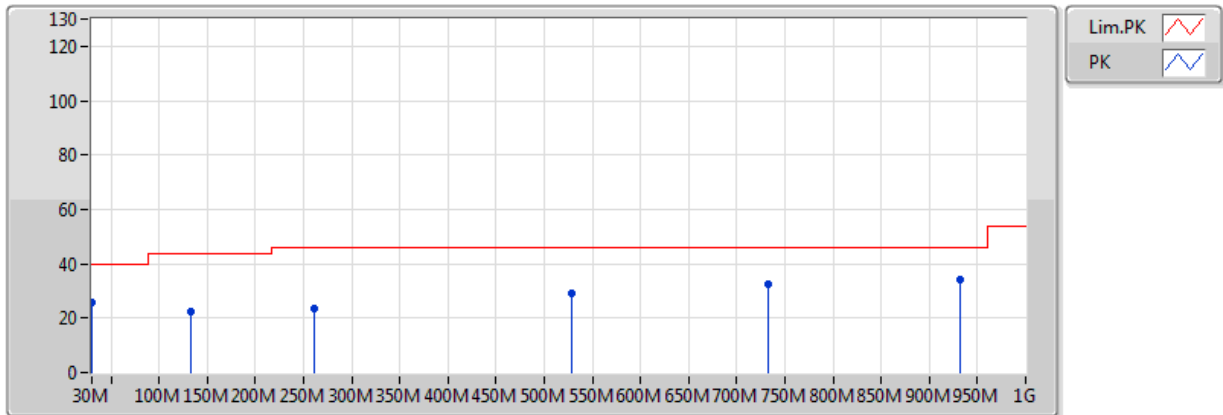


EUT= X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	26.91	40.00	-13.09	-5.15	3	Vertical	360	1.00	-	32.06	22.02	0.68	27.85
PK	125.06M	22.15	43.50	-21.35	-8.94	3	Vertical	360	1.00	-	31.09	17.12	1.66	27.72
PK	289.96M	24.20	46.00	-21.80	-6.70	3	Vertical	360	1.00	-	30.90	18.06	2.46	27.22
PK	553.8M	30.67	46.00	-15.33	-1.11	3	Vertical	360	1.00	-	31.78	23.81	3.60	28.52
PK	751.68M	32.24	46.00	-13.76	0.71	3	Vertical	360	1.00	-	31.53	24.75	4.18	28.21
PK	947.62M	34.86	46.00	-11.14	3.09	3	Vertical	360	1.00	-	31.77	25.75	4.80	27.46

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_AC



EUT= X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	25.59	40.00	-14.41	-5.15	3	Horizontal	0	1.00	-	30.74	22.02	0.68	27.85
PK	132.82M	22.55	43.50	-20.95	-9.23	3	Horizontal	0	1.00	-	31.78	16.72	1.74	27.69
PK	260.86M	23.35	46.00	-22.65	-6.41	3	Horizontal	0	1.00	-	29.76	18.62	2.28	27.30
PK	528.58M	29.40	46.00	-16.60	-1.72	3	Horizontal	0	1.00	-	31.12	23.27	3.51	28.51
PK	732.28M	32.62	46.00	-13.38	0.33	3	Horizontal	0	1.00	-	32.29	24.47	4.14	28.28
PK	932.1M	34.46	46.00	-11.54	3.07	3	Horizontal	0	1.00	-	31.39	25.66	4.93	27.52



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	AV	4.924G	53.88	54.00	-0.12	6.99	3	Horizontal	33	2.65	-
802.11g_Nss1,(6Mbps)_2TX	Pass	AV	2.4844G	53.70	54.00	-0.30	31.27	3	Horizontal	352	1.87	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	2.39G	53.43	54.00	-0.57	30.93	3	Horizontal	42	1.50	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4848G	53.58	54.00	-0.42	31.28	3	Horizontal	353	1.66	-



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_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.387G	46.29	54.00	-7.71	30.92	3	Horizontal	10	1.50	-
2412MHz	Pass	AV	2.4112G	107.68	Inf	-Inf	31.01	3	Horizontal	10	1.50	-
2412MHz	Pass	PK	2.3882G	57.10	74.00	-16.90	30.93	3	Horizontal	10	1.50	-
2412MHz	Pass	PK	2.413G	111.43	Inf	-Inf	31.02	3	Horizontal	10	1.50	-
2412MHz	Pass	AV	2.3878G	44.70	54.00	-9.30	30.93	3	Vertical	327	1.50	-
2412MHz	Pass	AV	2.4128G	105.20	Inf	-Inf	31.02	3	Vertical	327	1.50	-
2412MHz	Pass	PK	2.3854G	55.98	74.00	-18.02	30.92	3	Vertical	327	1.50	-
2412MHz	Pass	PK	2.413G	109.23	Inf	-Inf	31.02	3	Vertical	327	1.50	-
2412MHz	Pass	AV	4.824G	53.52	54.00	-0.48	6.74	3	Horizontal	30	1.48	-
2412MHz	Pass	PK	4.824G	55.24	74.00	-18.76	6.74	3	Horizontal	30	1.48	-
2412MHz	Pass	AV	4.824G	50.35	54.00	-3.65	6.74	3	Vertical	341	1.63	-
2412MHz	Pass	PK	4.824G	54.43	74.00	-19.57	6.74	3	Vertical	341	1.63	-
2437MHz	Pass	AV	2.3854G	44.15	54.00	-9.85	30.92	3	Horizontal	20	1.50	-
2437MHz	Pass	AV	2.4378G	107.00	Inf	-Inf	31.11	3	Horizontal	20	1.50	-
2437MHz	Pass	AV	2.495G	44.71	54.00	-9.29	31.31	3	Horizontal	20	1.50	-
2437MHz	Pass	PK	2.3818G	55.79	74.00	-18.21	30.91	3	Horizontal	20	1.50	-
2437MHz	Pass	PK	2.4378G	111.11	Inf	-Inf	31.11	3	Horizontal	20	1.50	-
2437MHz	Pass	PK	2.4918G	56.50	74.00	-17.50	31.30	3	Horizontal	20	1.50	-
2437MHz	Pass	AV	2.3874G	43.93	54.00	-10.07	30.93	3	Vertical	35	2.00	-
2437MHz	Pass	AV	2.4362G	103.19	Inf	-Inf	31.10	3	Vertical	35	2.00	-
2437MHz	Pass	AV	2.4978G	44.51	54.00	-9.49	31.32	3	Vertical	35	2.00	-
2437MHz	Pass	PK	2.3638G	55.05	74.00	-18.95	30.84	3	Vertical	35	2.00	-
2437MHz	Pass	PK	2.4362G	106.87	Inf	-Inf	31.10	3	Vertical	35	2.00	-
2437MHz	Pass	PK	2.4858G	55.42	74.00	-18.58	31.28	3	Vertical	35	2.00	-
2437MHz	Pass	AV	4.874G	53.75	54.00	-0.25	6.87	3	Horizontal	31	1.45	-
2437MHz	Pass	PK	4.874G	57.50	74.00	-16.50	6.87	3	Horizontal	31	1.45	-
2437MHz	Pass	AV	4.874G	49.39	54.00	-4.61	6.87	3	Vertical	41	3.56	-
2437MHz	Pass	PK	4.874G	53.61	74.00	-20.39	6.87	3	Vertical	41	3.56	-
2462MHz	Pass	AV	2.4612G	108.45	Inf	-Inf	31.19	3	Horizontal	3	1.50	-
2462MHz	Pass	AV	2.4882G	46.37	54.00	-7.63	31.29	3	Horizontal	3	1.50	-
2462MHz	Pass	PK	2.461G	112.29	Inf	-Inf	31.19	3	Horizontal	3	1.50	-
2462MHz	Pass	PK	2.4868G	57.03	74.00	-16.97	31.28	3	Horizontal	3	1.50	-
2462MHz	Pass	AV	2.4612G	107.11	Inf	-Inf	31.19	3	Vertical	9	1.99	-
2462MHz	Pass	AV	2.4998G	45.66	54.00	-8.34	31.33	3	Vertical	9	1.99	-
2462MHz	Pass	PK	2.461G	110.94	Inf	-Inf	31.19	3	Vertical	9	1.99	-
2462MHz	Pass	PK	2.4998G	56.71	74.00	-17.29	31.33	3	Vertical	9	1.99	-
2462MHz	Pass	AV	4.924G	53.88	54.00	-0.12	6.99	3	Horizontal	33	2.65	-
2462MHz	Pass	PK	4.924G	57.46	74.00	-16.54	6.99	3	Horizontal	33	2.65	-
2462MHz	Pass	AV	4.924G	53.78	54.00	-0.22	6.99	3	Vertical	309	2.10	-
2462MHz	Pass	PK	4.924G	56.52	74.00	-17.48	6.99	3	Vertical	309	2.10	-
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3878G	53.56	54.00	-0.44	30.93	3	Horizontal	42	1.49	-
2412MHz	Pass	AV	2.4072G	103.56	Inf	-Inf	31.00	3	Horizontal	42	1.49	-
2412MHz	Pass	PK	2.388G	71.07	74.00	-2.93	30.93	3	Horizontal	42	1.49	-
2412MHz	Pass	PK	2.407G	113.78	Inf	-Inf	31.00	3	Horizontal	42	1.49	-
2412MHz	Pass	AV	2.39G	51.52	54.00	-2.48	30.93	3	Vertical	321	1.29	-
2412MHz	Pass	AV	2.4144G	100.98	Inf	-Inf	31.02	3	Vertical	321	1.29	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2412MHz	Pass	PK	2.39G	69.55	74.00	-4.45	30.93	3	Vertical	321	1.29	-
2412MHz	Pass	PK	2.4142G	111.81	Inf	-Inf	31.02	3	Vertical	321	1.29	-
2412MHz	Pass	AV	4.82592G	40.98	54.00	-13.02	2.17	3	Horizontal	53	1.50	-
2412MHz	Pass	PK	4.8264G	56.05	74.00	-17.95	2.17	3	Horizontal	53	1.50	-
2412MHz	Pass	AV	4.824G	40.87	54.00	-13.13	2.16	3	Vertical	0	1.50	-
2412MHz	Pass	PK	4.82418G	53.97	74.00	-20.03	2.16	3	Vertical	0	1.50	-
2437MHz	Pass	AV	2.3894G	46.67	54.00	-7.33	30.93	3	Horizontal	352	1.84	-
2437MHz	Pass	AV	2.4402G	106.52	Inf	-Inf	31.11	3	Horizontal	352	1.84	-
2437MHz	Pass	AV	2.483502G	47.91	54.00	-6.09	31.27	3	Horizontal	352	1.84	-
2437MHz	Pass	PK	2.389998G	61.81	74.00	-12.19	30.93	3	Horizontal	352	1.84	-
2437MHz	Pass	PK	2.4394G	116.98	Inf	-Inf	31.11	3	Horizontal	352	1.84	-
2437MHz	Pass	PK	2.4846G	63.84	74.00	-10.16	31.27	3	Horizontal	352	1.84	-
2437MHz	Pass	AV	2.389G	47.44	54.00	-6.56	30.93	3	Vertical	8	1.98	-
2437MHz	Pass	AV	2.439G	104.27	Inf	-Inf	31.11	3	Vertical	8	1.98	-
2437MHz	Pass	AV	2.483502G	46.44	54.00	-7.56	31.27	3	Vertical	8	1.98	-
2437MHz	Pass	PK	2.3882G	62.31	74.00	-11.69	30.93	3	Vertical	8	1.98	-
2437MHz	Pass	PK	2.4386G	114.41	Inf	-Inf	31.11	3	Vertical	8	1.98	-
2437MHz	Pass	PK	2.483502G	59.07	74.00	-14.93	31.27	3	Vertical	8	1.98	-
2437MHz	Pass	AV	4.87598G	45.48	54.00	-8.52	2.33	3	Horizontal	48	1.50	-
2437MHz	Pass	PK	4.8746G	58.97	74.00	-15.03	2.32	3	Horizontal	48	1.50	-
2437MHz	Pass	AV	4.87574G	46.48	54.00	-7.52	2.32	3	Vertical	358	1.50	-
2437MHz	Pass	PK	4.87598G	60.32	74.00	-13.68	2.33	3	Vertical	358	1.50	-
2462MHz	Pass	AV	2.4598G	101.32	Inf	-Inf	31.19	3	Horizontal	352	1.87	-
2462MHz	Pass	AV	2.4844G	53.70	54.00	-0.30	31.27	3	Horizontal	352	1.87	-
2462MHz	Pass	PK	2.4596G	113.61	Inf	-Inf	31.18	3	Horizontal	352	1.87	-
2462MHz	Pass	PK	2.483502G	70.64	74.00	-3.36	31.27	3	Horizontal	352	1.87	-
2462MHz	Pass	AV	2.4592G	100.97	Inf	-Inf	31.18	3	Vertical	7	1.95	-
2462MHz	Pass	AV	2.4836G	52.43	54.00	-1.57	31.27	3	Vertical	7	1.95	-
2462MHz	Pass	PK	2.4588G	111.80	Inf	-Inf	31.18	3	Vertical	7	1.95	-
2462MHz	Pass	PK	2.483502G	68.90	74.00	-5.10	31.27	3	Vertical	7	1.95	-
2462MHz	Pass	AV	4.92412G	39.33	54.00	-14.67	2.48	3	Horizontal	29	1.23	-
2462MHz	Pass	PK	4.92454G	53.09	74.00	-20.91	2.48	3	Horizontal	29	1.23	-
2462MHz	Pass	AV	4.92616G	42.16	54.00	-11.84	2.48	3	Vertical	358	1.33	-
2462MHz	Pass	PK	4.92028G	56.18	74.00	-17.82	2.46	3	Vertical	358	1.33	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	53.43	54.00	-0.57	30.93	3	Horizontal	42	1.50	-
2412MHz	Pass	AV	2.4106G	103.58	Inf	-Inf	31.01	3	Horizontal	42	1.50	-
2412MHz	Pass	PK	2.3892G	69.59	74.00	-4.41	30.93	3	Horizontal	42	1.50	-
2412MHz	Pass	PK	2.4136G	114.72	Inf	-Inf	31.02	3	Horizontal	42	1.50	-
2412MHz	Pass	AV	2.388G	51.06	54.00	-2.94	30.93	3	Vertical	324	1.43	-
2412MHz	Pass	AV	2.404G	100.65	Inf	-Inf	30.98	3	Vertical	324	1.43	-
2412MHz	Pass	PK	2.389G	68.39	74.00	-5.61	30.93	3	Vertical	324	1.43	-
2412MHz	Pass	PK	2.4058G	111.25	Inf	-Inf	30.99	3	Vertical	324	1.43	-
2412MHz	Pass	AV	4.81896G	40.73	54.00	-13.27	2.15	3	Horizontal	58	1.55	-
2412MHz	Pass	PK	4.81584G	56.79	74.00	-17.21	2.14	3	Horizontal	58	1.55	-
2412MHz	Pass	AV	4.82394G	41.40	54.00	-12.60	2.16	3	Vertical	359	1.09	-
2412MHz	Pass	PK	4.82346G	56.36	74.00	-17.64	2.16	3	Vertical	359	1.09	-
2437MHz	Pass	AV	2.3894G	47.60	54.00	-6.40	30.93	3	Horizontal	0	1.80	-
2437MHz	Pass	AV	2.429G	106.23	Inf	-Inf	31.07	3	Horizontal	0	1.80	-



RSE TX above 1GHz Result

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.483502G	48.33	54.00	-5.67	31.27	3	Horizontal	0	1.80	-
2437MHz	Pass	PK	2.3894G	65.57	74.00	-8.43	30.93	3	Horizontal	0	1.80	-
2437MHz	Pass	PK	2.4306G	116.68	Inf	-Inf	31.08	3	Horizontal	0	1.80	-
2437MHz	Pass	PK	2.4866G	65.28	74.00	-8.72	31.28	3	Horizontal	0	1.80	-
2437MHz	Pass	AV	2.389G	47.19	54.00	-6.81	30.93	3	Vertical	18	1.99	-
2437MHz	Pass	AV	2.429G	103.13	Inf	-Inf	31.07	3	Vertical	18	1.99	-
2437MHz	Pass	AV	2.483502G	46.22	54.00	-7.78	31.27	3	Vertical	18	1.99	-
2437MHz	Pass	PK	2.3894G	63.67	74.00	-10.33	30.93	3	Vertical	18	1.99	-
2437MHz	Pass	PK	2.431G	113.83	Inf	-Inf	31.08	3	Vertical	18	1.99	-
2437MHz	Pass	PK	2.485G	59.75	74.00	-14.25	31.28	3	Vertical	18	1.99	-
2437MHz	Pass	AV	4.87406G	44.85	54.00	-9.15	2.32	3	Horizontal	27	1.50	-
2437MHz	Pass	PK	4.87646G	59.46	74.00	-14.54	2.33	3	Horizontal	27	1.50	-
2437MHz	Pass	AV	4.87766G	46.11	54.00	-7.89	2.33	3	Vertical	355	1.50	-
2437MHz	Pass	PK	4.87658G	61.07	74.00	-12.93	2.33	3	Vertical	355	1.50	-
2462MHz	Pass	AV	2.4564G	102.43	Inf	-Inf	31.17	3	Horizontal	357	1.87	-
2462MHz	Pass	AV	2.4836G	52.35	54.00	-1.65	31.27	3	Horizontal	357	1.87	-
2462MHz	Pass	PK	2.4556G	112.99	Inf	-Inf	31.17	3	Horizontal	357	1.87	-
2462MHz	Pass	PK	2.483502G	68.45	74.00	-5.55	31.27	3	Horizontal	357	1.87	-
2462MHz	Pass	AV	2.469G	99.94	Inf	-Inf	31.22	3	Vertical	7	1.84	-
2462MHz	Pass	AV	2.4838G	48.90	54.00	-5.10	31.27	3	Vertical	7	1.84	-
2462MHz	Pass	PK	2.4694G	110.52	Inf	-Inf	31.22	3	Vertical	7	1.84	-
2462MHz	Pass	PK	2.489G	64.29	74.00	-9.71	31.29	3	Vertical	7	1.84	-
2462MHz	Pass	AV	4.92394G	38.19	54.00	-15.81	2.48	3	Horizontal	32	1.50	-
2462MHz	Pass	PK	4.9234G	53.56	74.00	-20.44	2.47	3	Horizontal	32	1.50	-
2462MHz	Pass	AV	4.92796G	40.68	54.00	-13.32	2.49	3	Vertical	353	1.31	-
2462MHz	Pass	PK	4.92778G	56.05	74.00	-17.95	2.49	3	Vertical	353	1.31	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3856G	53.37	54.00	-0.63	30.92	3	Horizontal	37	1.70	-
2422MHz	Pass	AV	2.4196G	100.37	Inf	-Inf	31.04	3	Horizontal	37	1.70	-
2422MHz	Pass	AV	2.484G	45.42	54.00	-8.58	31.27	3	Horizontal	37	1.70	-
2422MHz	Pass	PK	2.3856G	72.98	74.00	-1.02	30.92	3	Horizontal	37	1.70	-
2422MHz	Pass	PK	2.4196G	109.94	Inf	-Inf	31.04	3	Horizontal	37	1.70	-
2422MHz	Pass	PK	2.4916G	56.64	74.00	-17.36	31.30	3	Horizontal	37	1.70	-
2422MHz	Pass	AV	2.39G	50.31	54.00	-3.69	30.93	3	Vertical	326	1.54	-
2422MHz	Pass	AV	2.4148G	97.81	Inf	-Inf	31.02	3	Vertical	326	1.54	-
2422MHz	Pass	AV	2.4876G	44.79	54.00	-9.21	31.29	3	Vertical	326	1.54	-
2422MHz	Pass	PK	2.3788G	65.81	74.00	-8.19	30.90	3	Vertical	326	1.54	-
2422MHz	Pass	PK	2.414G	107.59	Inf	-Inf	31.02	3	Vertical	326	1.54	-
2422MHz	Pass	PK	2.4872G	55.99	74.00	-18.01	31.28	3	Vertical	326	1.54	-
2422MHz	Pass	AV	4.844G	37.86	54.00	-16.14	2.23	3	Horizontal	26	1.51	-
2422MHz	Pass	PK	4.84472G	50.14	74.00	-23.86	2.23	3	Horizontal	26	1.51	-
2422MHz	Pass	AV	4.844G	37.85	54.00	-16.15	2.23	3	Vertical	3	1.33	-
2422MHz	Pass	PK	4.84112G	50.44	74.00	-23.56	2.22	3	Vertical	3	1.33	-
2437MHz	Pass	AV	2.3874G	51.64	54.00	-2.36	30.93	3	Horizontal	352	1.93	-
2437MHz	Pass	AV	2.4274G	101.56	Inf	-Inf	31.07	3	Horizontal	352	1.93	-
2437MHz	Pass	AV	2.4866G	51.59	54.00	-2.41	31.28	3	Horizontal	352	1.93	-
2437MHz	Pass	PK	2.389G	68.19	74.00	-5.81	30.93	3	Horizontal	352	1.93	-
2437MHz	Pass	PK	2.4278G	111.29	Inf	-Inf	31.07	3	Horizontal	352	1.93	-
2437MHz	Pass	PK	2.4854G	66.94	74.00	-7.06	31.28	3	Horizontal	352	1.93	-





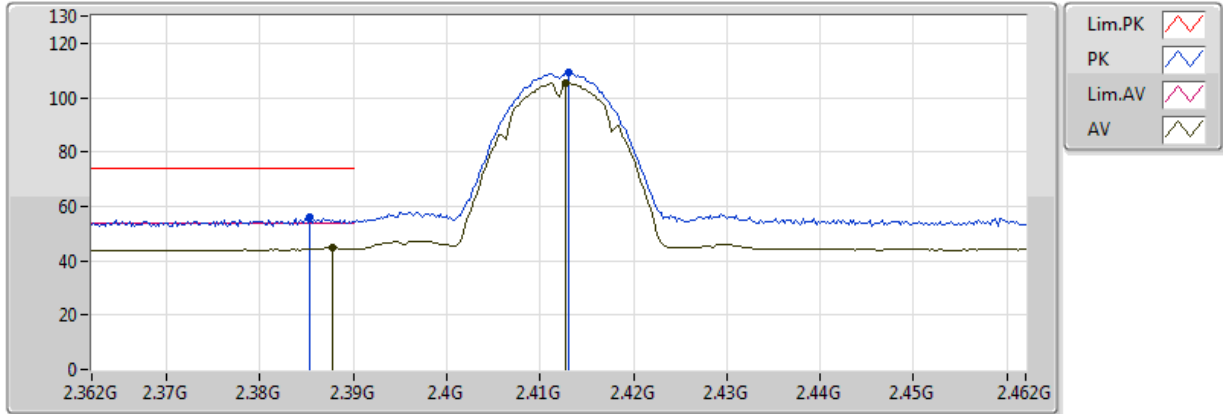
**RSE TX above 1GHz Result**

**Appendix F.2**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	AV	2.3878G	53.35	54.00	-0.65	30.93	3	Vertical	7	1.82	-
2437MHz	Pass	AV	2.4258G	98.95	Inf	-Inf	31.06	3	Vertical	7	1.82	-
2437MHz	Pass	AV	2.483502G	51.12	54.00	-2.88	31.27	3	Vertical	7	1.82	-
2437MHz	Pass	PK	2.389G	70.06	74.00	-3.94	30.93	3	Vertical	7	1.82	-
2437MHz	Pass	PK	2.4258G	108.98	Inf	-Inf	31.06	3	Vertical	7	1.82	-
2437MHz	Pass	PK	2.4854G	66.17	74.00	-7.83	31.28	3	Vertical	7	1.82	-
2437MHz	Pass	AV	4.87406G	39.48	54.00	-14.52	2.32	3	Horizontal	28	1.50	-
2437MHz	Pass	PK	4.87496G	51.76	74.00	-22.24	2.32	3	Horizontal	28	1.50	-
2437MHz	Pass	AV	4.87838G	38.99	54.00	-15.01	2.33	3	Vertical	355	1.50	-
2437MHz	Pass	PK	4.87862G	52.85	74.00	-21.15	2.33	3	Vertical	355	1.50	-
2452MHz	Pass	AV	2.3864G	44.95	54.00	-9.05	30.92	3	Horizontal	353	1.66	-
2452MHz	Pass	AV	2.4452G	99.96	Inf	-Inf	31.13	3	Horizontal	353	1.66	-
2452MHz	Pass	AV	2.4848G	53.58	54.00	-0.42	31.28	3	Horizontal	353	1.66	-
2452MHz	Pass	PK	2.3892G	57.24	74.00	-16.76	30.93	3	Horizontal	353	1.66	-
2452MHz	Pass	PK	2.4444G	109.70	Inf	-Inf	31.13	3	Horizontal	353	1.66	-
2452MHz	Pass	PK	2.4836G	72.27	74.00	-1.73	31.27	3	Horizontal	353	1.66	-
2452MHz	Pass	AV	2.3856G	45.38	54.00	-8.62	30.92	3	Vertical	8	1.97	-
2452MHz	Pass	AV	2.4604G	97.52	Inf	-Inf	31.19	3	Vertical	8	1.97	-
2452MHz	Pass	AV	2.4836G	51.23	54.00	-2.77	31.27	3	Vertical	8	1.97	-
2452MHz	Pass	PK	2.3888G	57.67	74.00	-16.33	30.93	3	Vertical	8	1.97	-
2452MHz	Pass	PK	2.4596G	107.33	Inf	-Inf	31.18	3	Vertical	8	1.97	-
2452MHz	Pass	PK	2.4848G	64.78	74.00	-9.22	31.28	3	Vertical	8	1.97	-
2452MHz	Pass	AV	4.904G	37.52	54.00	-16.48	2.41	3	Horizontal	28	1.45	-
2452MHz	Pass	PK	4.9007G	49.83	74.00	-24.17	2.40	3	Horizontal	28	1.45	-
2452MHz	Pass	AV	4.90982G	38.28	54.00	-15.72	2.43	3	Vertical	356	1.39	-
2452MHz	Pass	PK	4.91024G	51.62	74.00	-22.38	2.43	3	Vertical	356	1.39	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

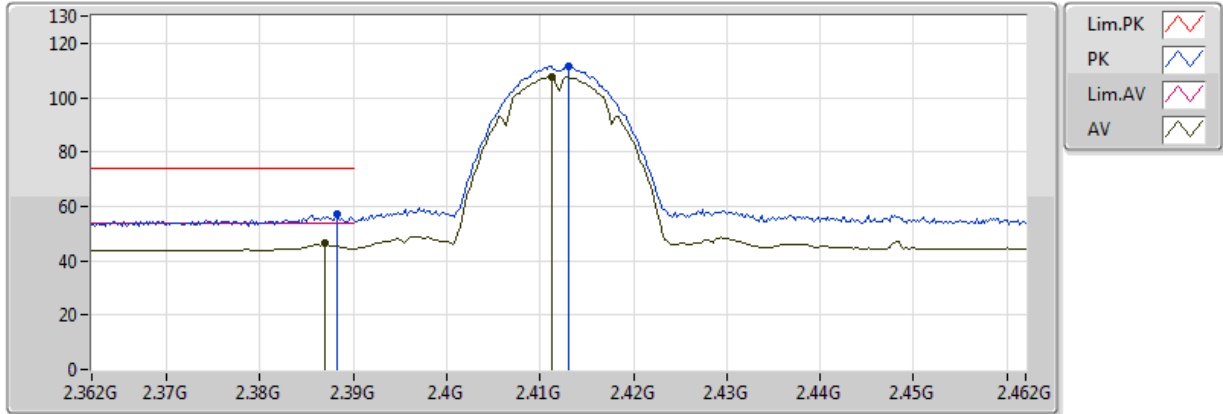


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	44.70	54.00	-9.30	30.93	3	Vertical	327	1.50	-	13.77	27.31	3.62	-
AV	2.4128G	105.20	Inf	-Inf	31.02	3	Vertical	327	1.50	-	74.18	27.37	3.64	-
PK	2.3854G	55.98	74.00	-18.02	30.92	3	Vertical	327	1.50	-	25.06	27.30	3.62	-
PK	2.413G	109.23	Inf	-Inf	31.02	3	Vertical	327	1.50	-	78.21	27.37	3.64	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

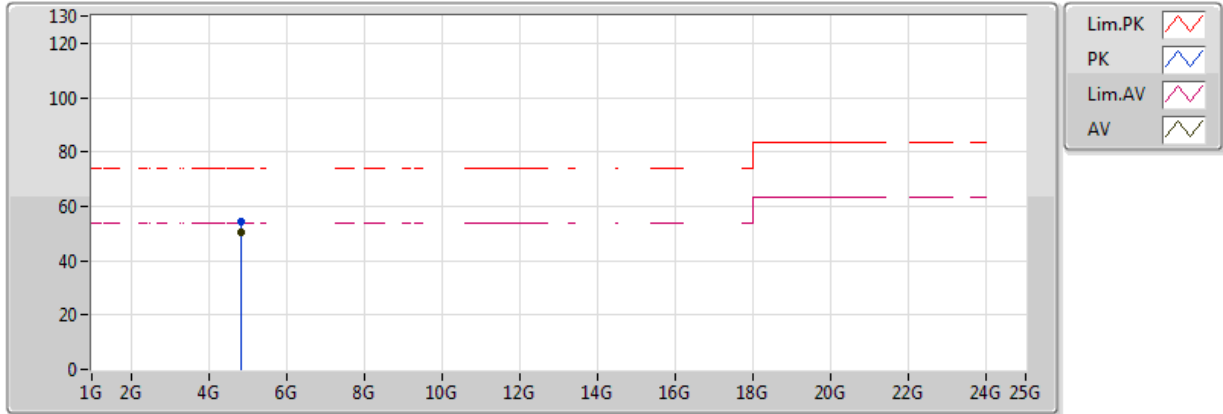


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.387G	46.29	54.00	-7.71	30.92	3	Horizontal	10	1.50	-	15.37	27.31	3.62	-
AV	2.4112G	107.68	Inf	-Inf	31.01	3	Horizontal	10	1.50	-	76.67	27.37	3.64	-
PK	2.3882G	57.10	74.00	-16.90	30.93	3	Horizontal	10	1.50	-	26.17	27.31	3.62	-
PK	2.413G	111.43	Inf	-Inf	31.02	3	Horizontal	10	1.50	-	80.41	27.37	3.64	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

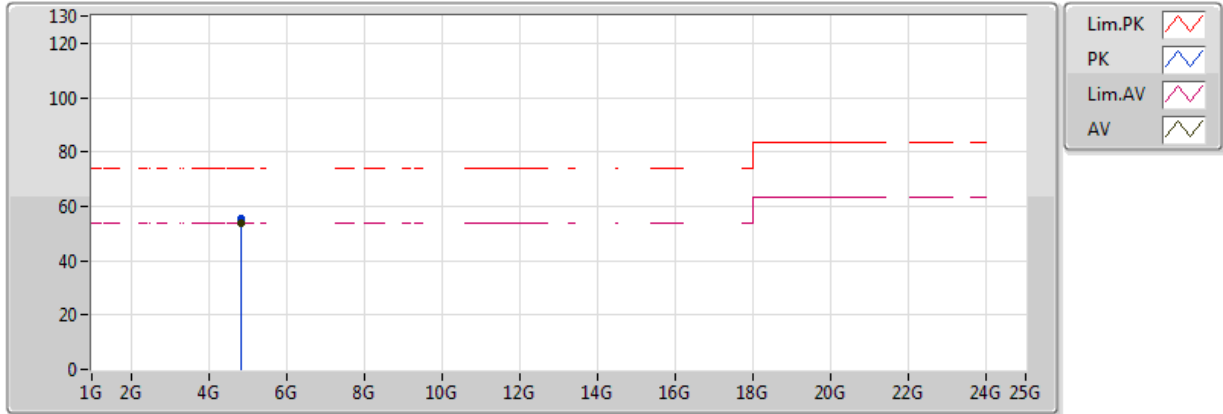


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	50.35	54.00	-3.65	6.74	3	Vertical	341	1.63	-	43.61	31.22	5.37	29.85
PK	4.824G	54.43	74.00	-19.57	6.74	3	Vertical	341	1.63	-	47.69	31.22	5.37	29.85

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2412MHz\_TX

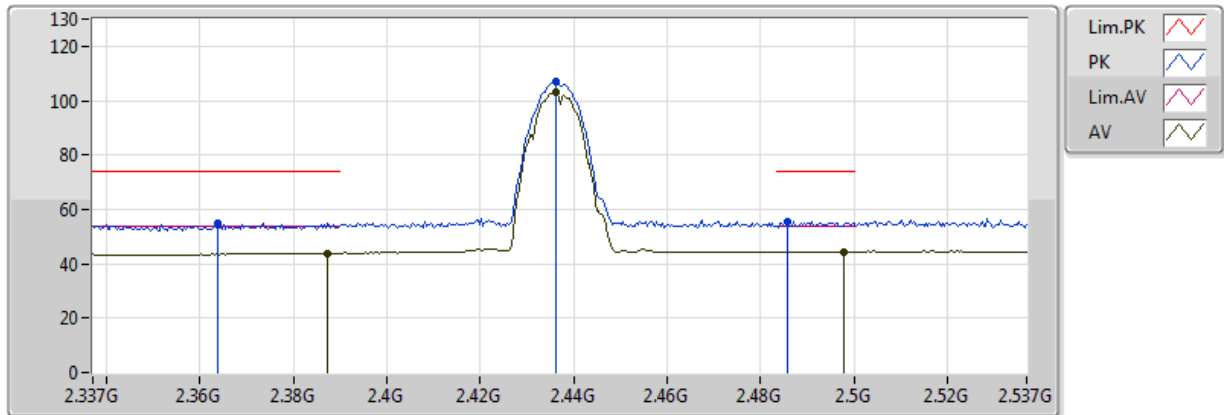


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	53.52	54.00	-0.48	6.74	3	Horizontal	30	1.48	-	46.78	31.22	5.37	29.85
PK	4.824G	55.24	74.00	-18.76	6.74	3	Horizontal	30	1.48	-	48.50	31.22	5.37	29.85

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

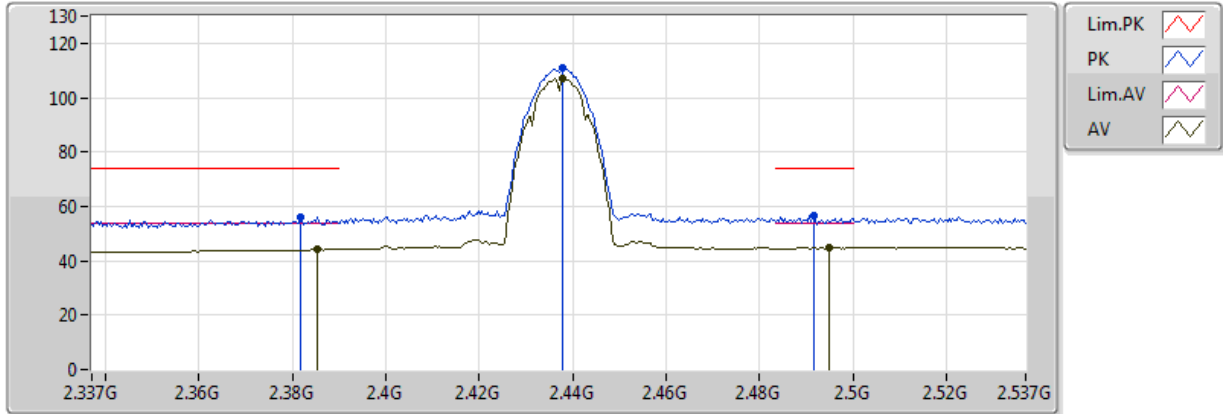


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3874G	43.93	54.00	-10.07	30.93	3	Vertical	35	2.00	-	13.00	27.31	3.62	-
AV	2.4362G	103.19	Inf	-Inf	31.10	3	Vertical	35	2.00	-	72.09	27.43	3.67	-
AV	2.4978G	44.51	54.00	-9.49	31.32	3	Vertical	35	2.00	-	13.19	27.59	3.73	-
PK	2.3638G	55.05	74.00	-18.95	30.84	3	Vertical	35	2.00	-	24.21	27.25	3.60	-
PK	2.4362G	106.87	Inf	-Inf	31.10	3	Vertical	35	2.00	-	75.77	27.43	3.67	-
PK	2.4858G	55.42	74.00	-18.58	31.28	3	Vertical	35	2.00	-	24.14	27.56	3.72	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

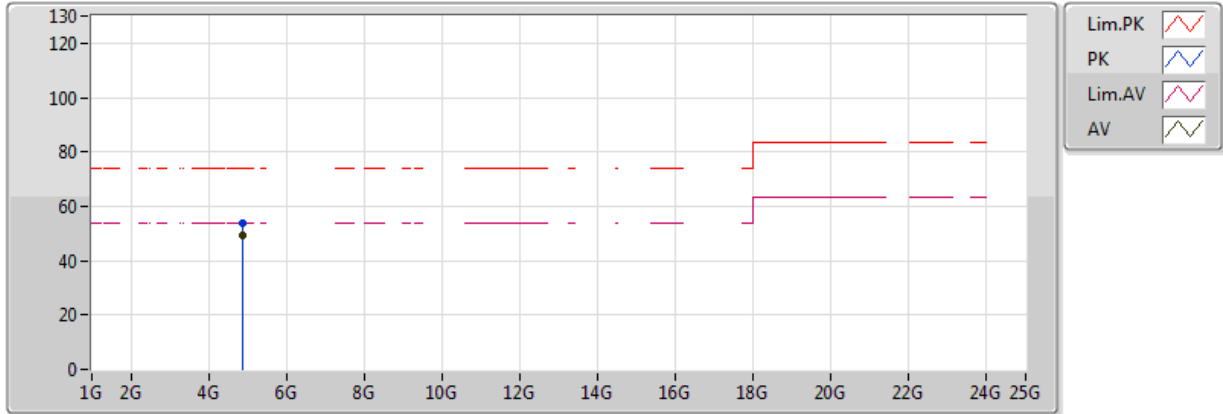


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3854G	44.15	54.00	-9.85	30.92	3	Horizontal	20	1.50	-	13.23	27.30	3.62	-
AV	2.4378G	107.00	Inf	-Inf	31.11	3	Horizontal	20	1.50	-	75.89	27.44	3.67	-
AV	2.495G	44.71	54.00	-9.29	31.31	3	Horizontal	20	1.50	-	13.40	27.59	3.73	-
PK	2.3818G	55.79	74.00	-18.21	30.91	3	Horizontal	20	1.50	-	24.88	27.29	3.61	-
PK	2.4378G	111.11	Inf	-Inf	31.11	3	Horizontal	20	1.50	-	80.00	27.44	3.67	-
PK	2.4918G	56.50	74.00	-17.50	31.30	3	Horizontal	20	1.50	-	25.20	27.58	3.72	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX



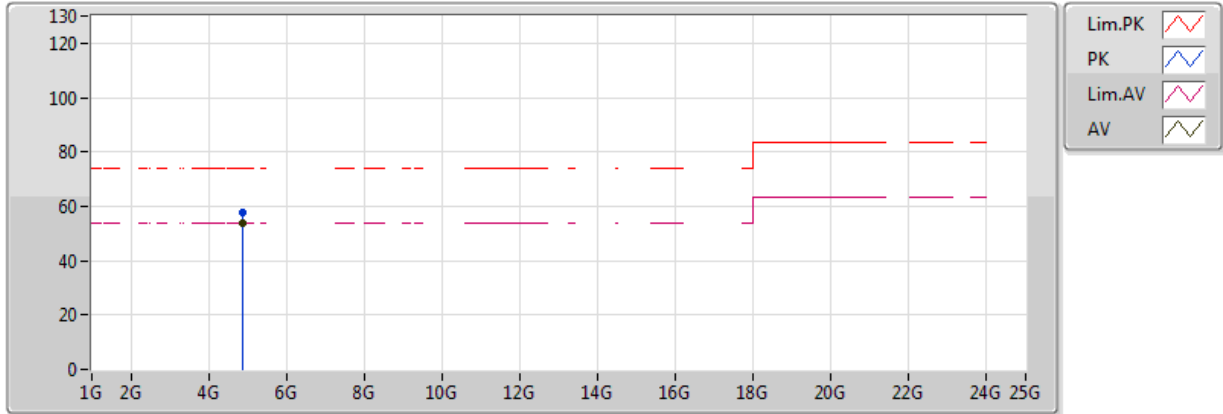
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	49.39	54.00	-4.61	6.87	3	Vertical	41	3.56	-	42.52	31.30	5.40	29.84
PK	4.874G	53.61	74.00	-20.39	6.87	3	Vertical	41	3.56	-	46.74	31.30	5.40	29.84



### 802.11b\_Nss1,(1Mbps)\_2TX

### 2437MHz\_TX

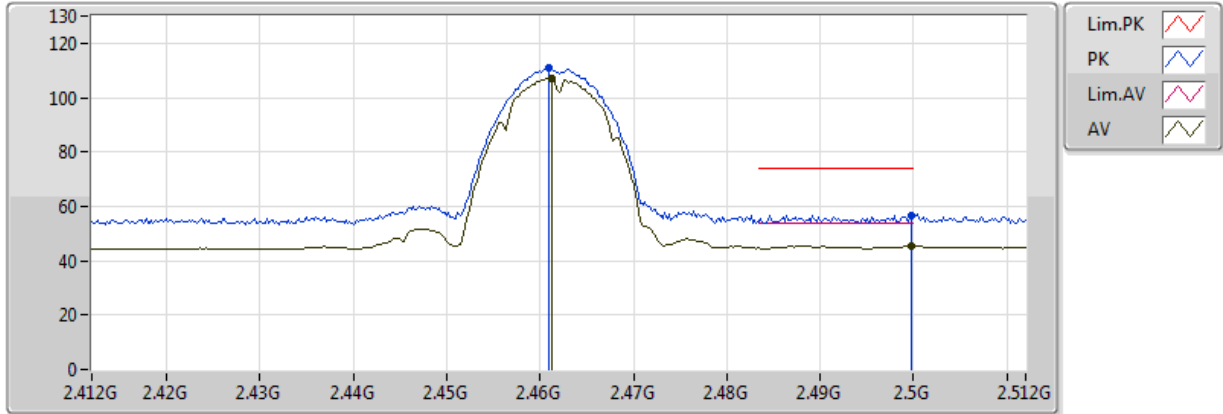


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.874G	53.75	54.00	-0.25	6.87	3	Horizontal	31	1.45	-	46.88	31.30	5.40	29.84
PK	4.874G	57.50	74.00	-16.50	6.87	3	Horizontal	31	1.45	-	50.63	31.30	5.40	29.84

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

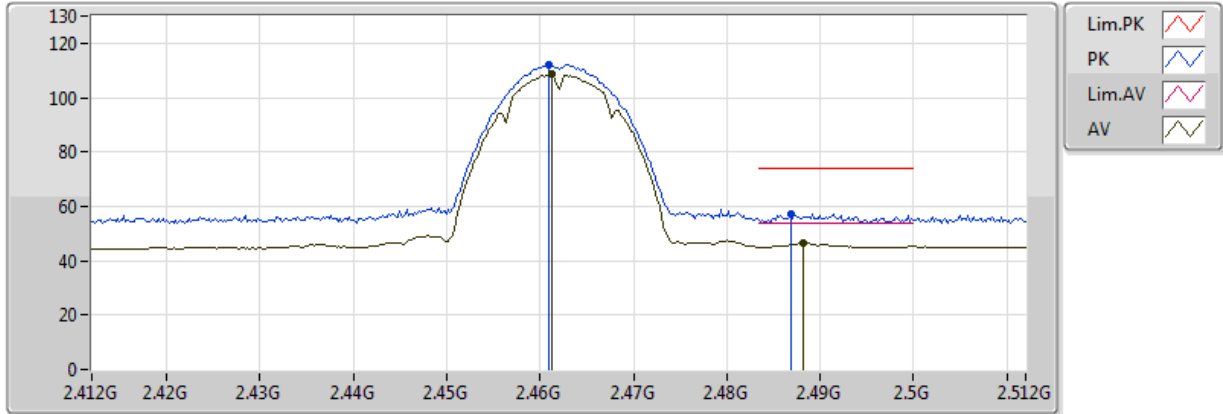


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	107.11	Inf	-Inf	31.19	3	Vertical	9	1.99	-	75.92	27.50	3.69	-
AV	2.4998G	45.66	54.00	-8.34	31.33	3	Vertical	9	1.99	-	14.33	27.60	3.73	-
PK	2.461G	110.94	Inf	-Inf	31.19	3	Vertical	9	1.99	-	79.75	27.50	3.69	-
PK	2.4998G	56.71	74.00	-17.29	31.33	3	Vertical	9	1.99	-	25.38	27.60	3.73	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

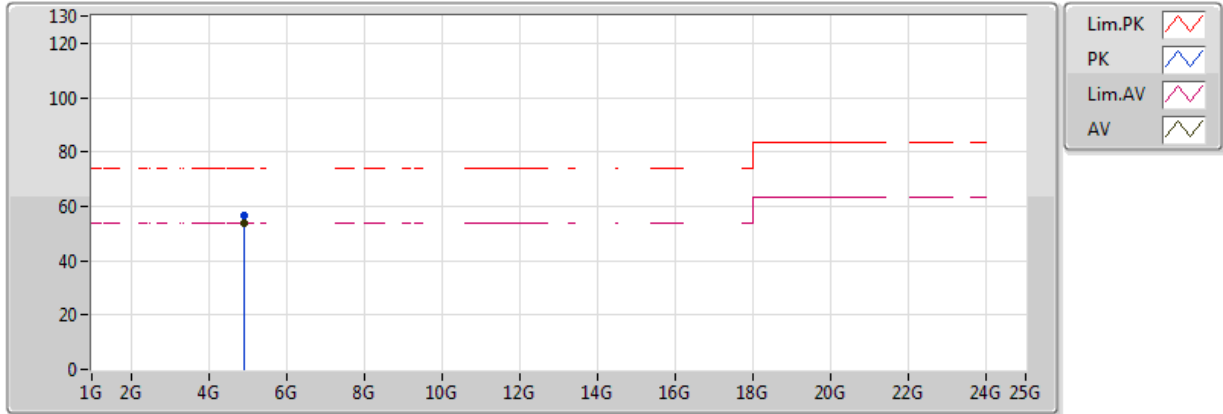


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	108.45	Inf	-Inf	31.19	3	Horizontal	3	1.50	-	77.26	27.50	3.69	-
AV	2.4882G	46.37	54.00	-7.63	31.29	3	Horizontal	3	1.50	-	15.08	27.57	3.72	-
PK	2.461G	112.29	Inf	-Inf	31.19	3	Horizontal	3	1.50	-	81.10	27.50	3.69	-
PK	2.4868G	57.03	74.00	-16.97	31.28	3	Horizontal	3	1.50	-	25.75	27.57	3.72	-

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX

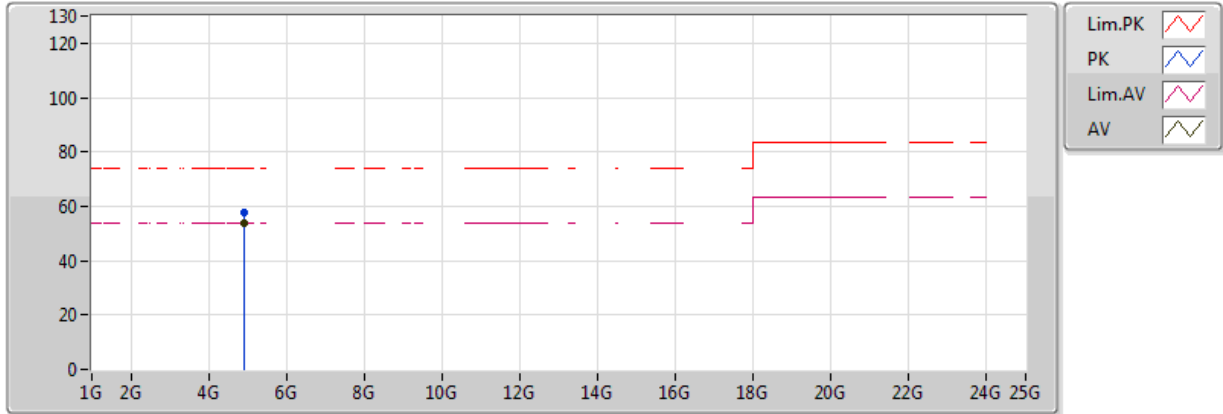


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	53.78	54.00	-0.22	6.99	3	Vertical	309	2.10	-	46.79	31.38	5.44	29.83
PK	4.924G	56.52	74.00	-17.48	6.99	3	Vertical	309	2.10	-	49.53	31.38	5.44	29.83

### 802.11b\_Nss1,(1Mbps)\_2TX

### 2462MHz\_TX



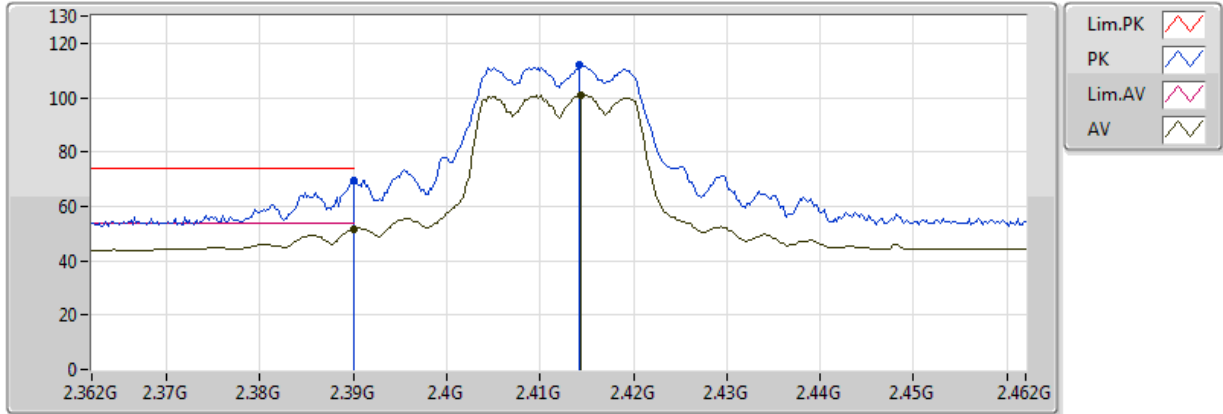
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.924G	53.88	54.00	-0.12	6.99	3	Horizontal	33	2.65	-	46.89	31.38	5.44	29.83
PK	4.924G	57.46	74.00	-16.54	6.99	3	Horizontal	33	2.65	-	50.47	31.38	5.44	29.83



### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

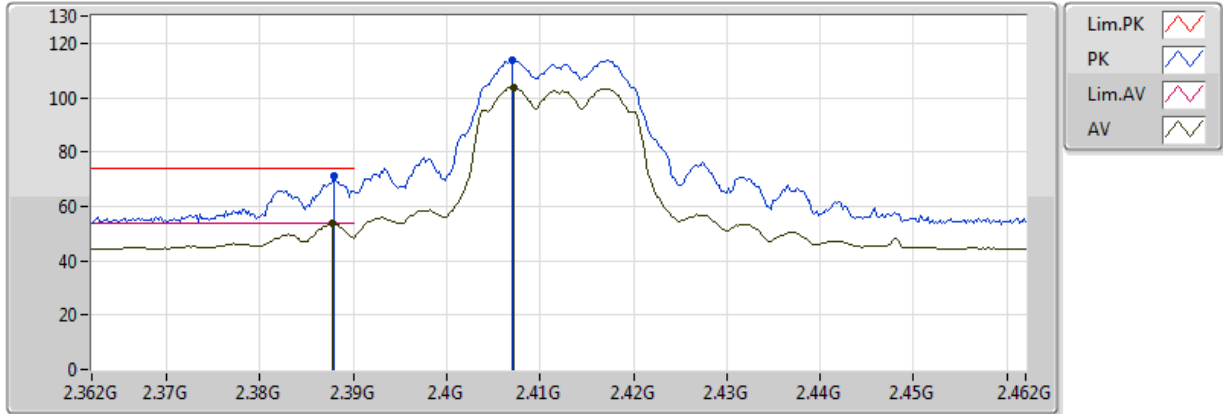


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.52	54.00	-2.48	30.93	3	Vertical	321	1.29	-	20.58	27.31	3.62	-
AV	2.4144G	100.98	Inf	-Inf	31.02	3	Vertical	321	1.29	-	69.96	27.38	3.64	-
PK	2.39G	69.55	74.00	-4.45	30.93	3	Vertical	321	1.29	-	38.61	27.31	3.62	-
PK	2.4142G	111.81	Inf	-Inf	31.02	3	Vertical	321	1.29	-	80.79	27.38	3.64	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

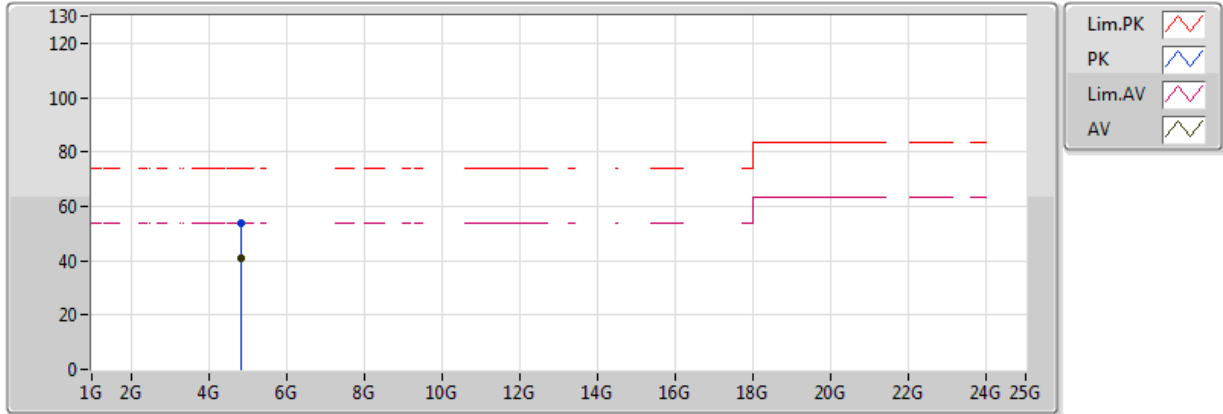


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	53.56	54.00	-0.44	30.93	3	Horizontal	42	1.49	-	22.64	27.31	3.62	-
AV	2.4072G	103.56	Inf	-Inf	31.00	3	Horizontal	42	1.49	-	72.56	27.36	3.64	-
PK	2.388G	71.07	74.00	-2.93	30.93	3	Horizontal	42	1.49	-	40.15	27.31	3.62	-
PK	2.407G	113.78	Inf	-Inf	31.00	3	Horizontal	42	1.49	-	82.79	27.36	3.64	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX



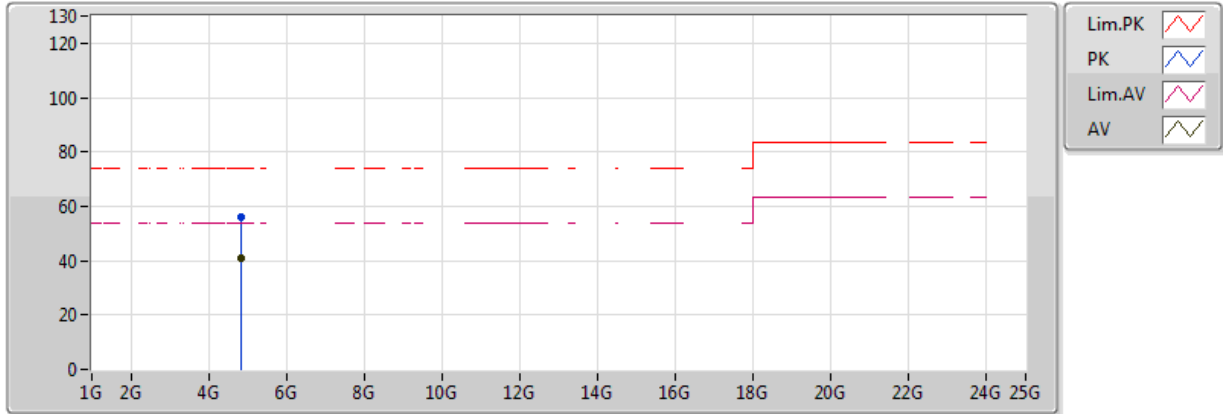
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.824G	40.87	54.00	-13.13	2.16	3	Vertical	0	1.50	-	38.71	31.28	5.41	34.53
PK	4.82418G	53.97	74.00	-20.03	2.16	3	Vertical	0	1.50	-	51.80	31.28	5.41	34.53



### 802.11g\_Nss1,(6Mbps)\_2TX

### 2412MHz\_TX

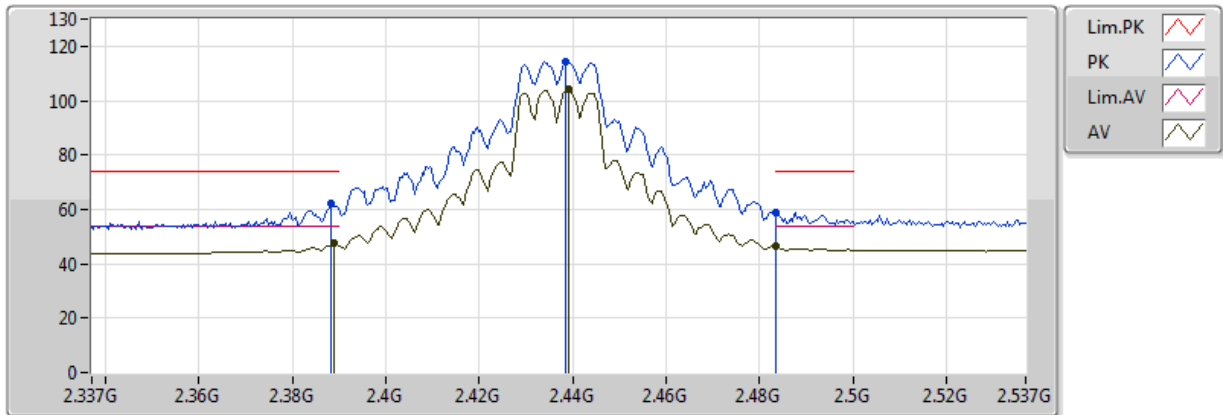


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82592G	40.98	54.00	-13.02	2.17	3	Horizontal	53	1.50	-	38.81	31.29	5.41	34.52
PK	4.8264G	56.05	74.00	-17.95	2.17	3	Horizontal	53	1.50	-	53.88	31.29	5.41	34.52

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

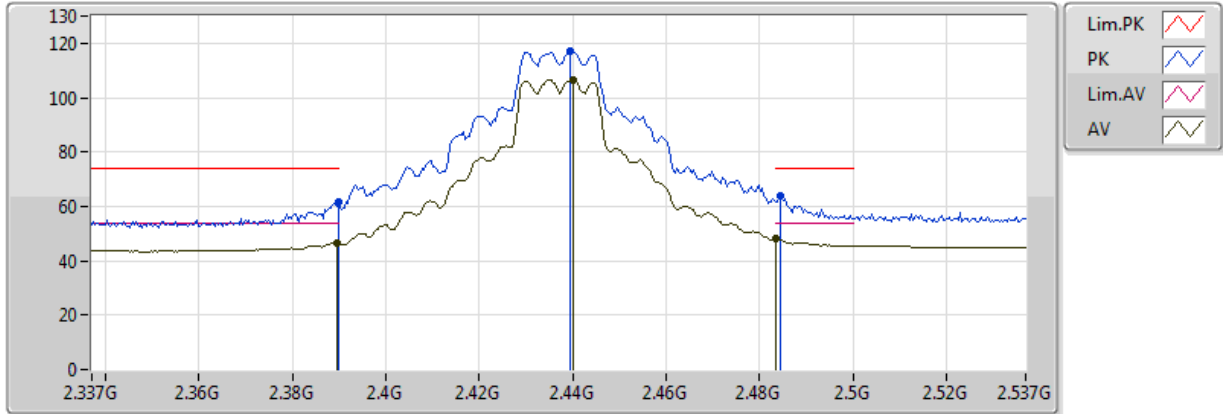


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	47.44	54.00	-6.56	30.93	3	Vertical	8	1.98	-	16.51	27.31	3.62	-
AV	2.439G	104.27	Inf	-Inf	31.11	3	Vertical	8	1.98	-	73.16	27.44	3.67	-
AV	2.483502G	46.44	54.00	-7.56	31.27	3	Vertical	8	1.98	-	15.17	27.56	3.71	-
PK	2.3882G	62.31	74.00	-11.69	30.93	3	Vertical	8	1.98	-	31.38	27.31	3.62	-
PK	2.4386G	114.41	Inf	-Inf	31.11	3	Vertical	8	1.98	-	83.30	27.44	3.67	-
PK	2.483502G	59.07	74.00	-14.93	31.27	3	Vertical	8	1.98	-	27.80	27.56	3.71	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

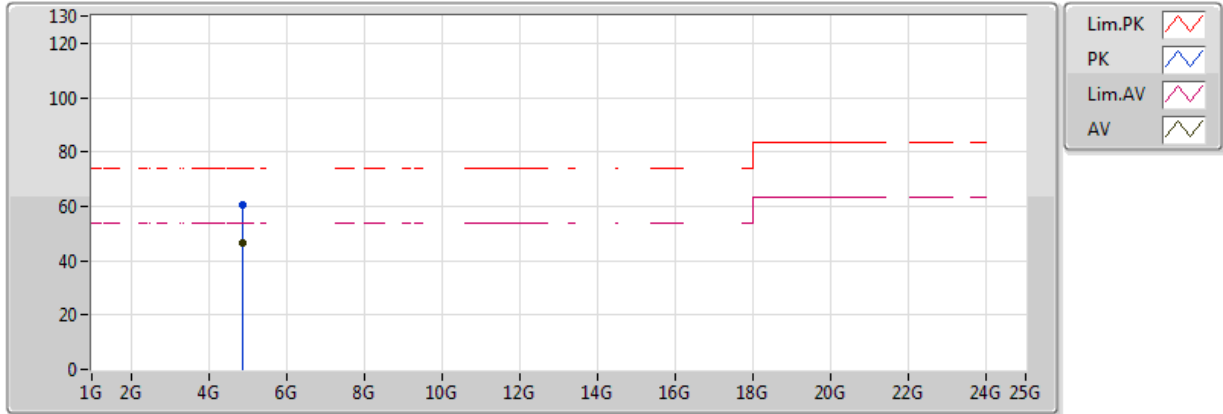


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	46.67	54.00	-7.33	30.93	3	Horizontal	352	1.84	-	15.74	27.31	3.62	-
AV	2.4402G	106.52	Inf	-Inf	31.11	3	Horizontal	352	1.84	-	75.41	27.44	3.67	-
AV	2.483502G	47.91	54.00	-6.09	31.27	3	Horizontal	352	1.84	-	16.64	27.56	3.71	-
PK	2.389998G	61.81	74.00	-12.19	30.93	3	Horizontal	352	1.84	-	30.87	27.31	3.62	-
PK	2.4394G	116.98	Inf	-Inf	31.11	3	Horizontal	352	1.84	-	85.87	27.44	3.67	-
PK	2.4846G	63.84	74.00	-10.16	31.27	3	Horizontal	352	1.84	-	32.57	27.56	3.71	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

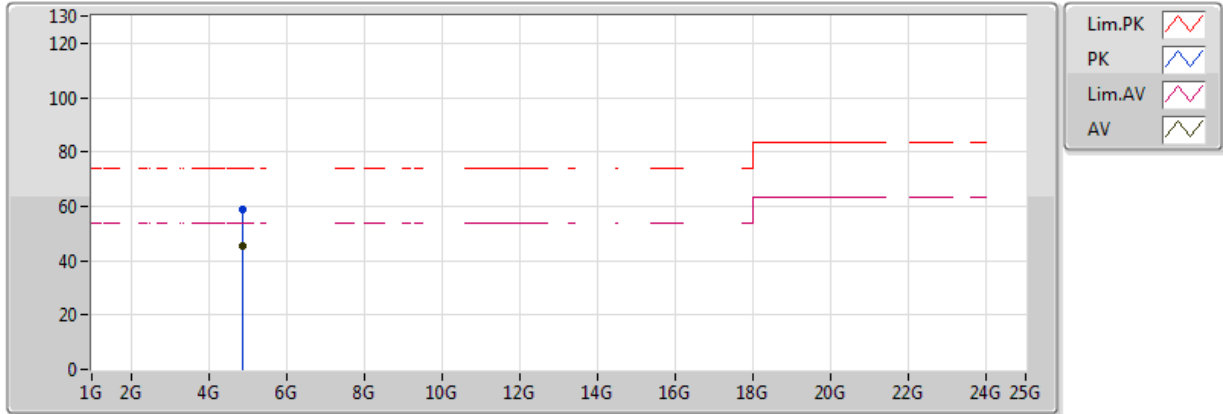


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87574G	46.48	54.00	-7.52	2.32	3	Vertical	358	1.50	-	44.15	31.38	5.46	34.51
PK	4.87598G	60.32	74.00	-13.68	2.33	3	Vertical	358	1.50	-	57.99	31.38	5.46	34.51

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2437MHz\_TX

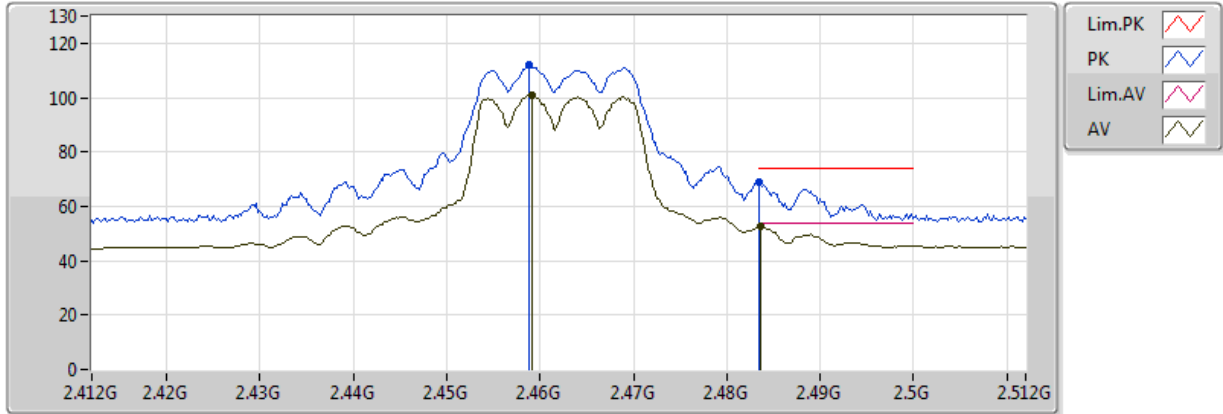


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87598G	45.48	54.00	-8.52	2.33	3	Horizontal	48	1.50	-	43.16	31.38	5.46	34.51
PK	4.8746G	58.97	74.00	-15.03	2.32	3	Horizontal	48	1.50	-	56.65	31.37	5.46	34.52

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX



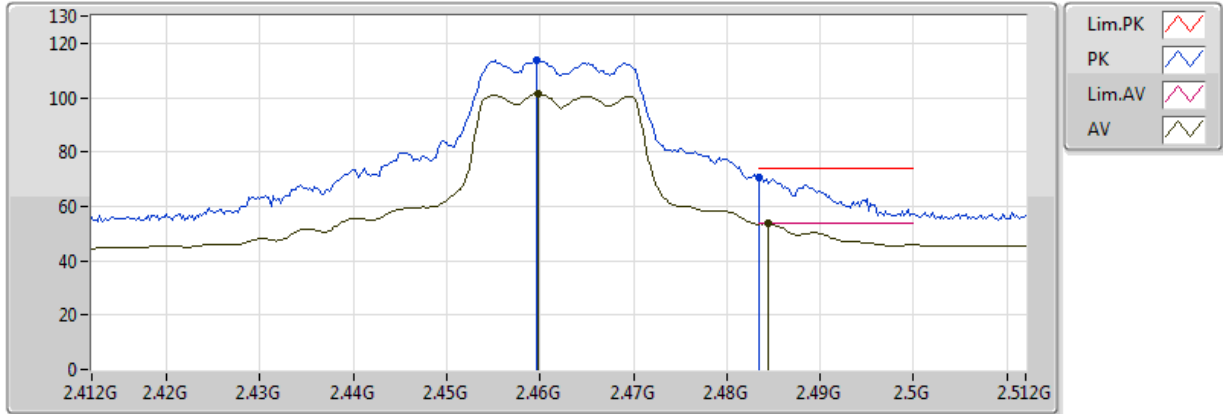
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4592G	100.97	Inf	-Inf	31.18	3	Vertical	7	1.95	-	69.78	27.49	3.69	-
AV	2.4836G	52.43	54.00	-1.57	31.27	3	Vertical	7	1.95	-	21.16	27.56	3.71	-
PK	2.4588G	111.80	Inf	-Inf	31.18	3	Vertical	7	1.95	-	80.62	27.49	3.69	-
PK	2.483502G	68.90	74.00	-5.10	31.27	3	Vertical	7	1.95	-	37.63	27.56	3.71	-



### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

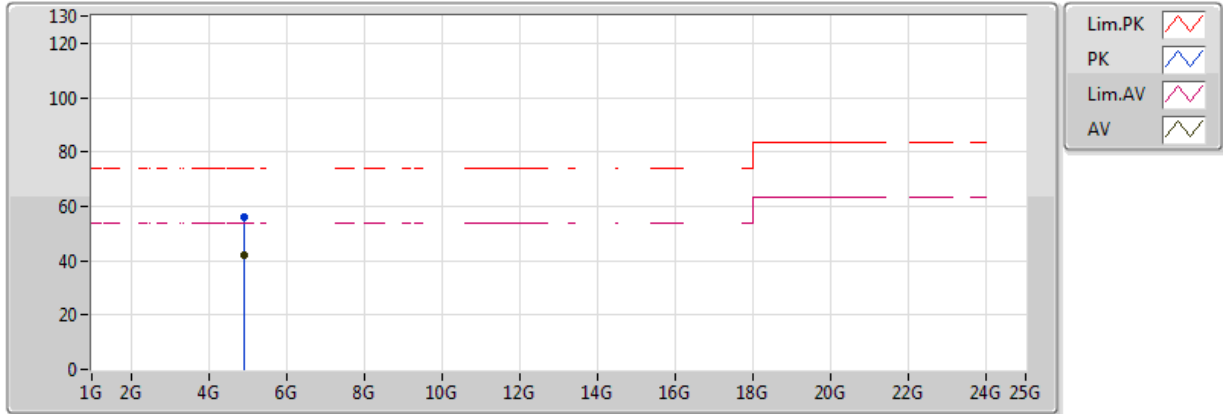


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4598G	101.32	Inf	-Inf	31.19	3	Horizontal	352	1.87	-	70.13	27.50	3.69	-
AV	2.4844G	53.70	54.00	-0.30	31.27	3	Horizontal	352	1.87	-	22.42	27.56	3.71	-
PK	2.4596G	113.61	Inf	-Inf	31.18	3	Horizontal	352	1.87	-	82.43	27.49	3.69	-
PK	2.483502G	70.64	74.00	-3.36	31.27	3	Horizontal	352	1.87	-	39.37	27.56	3.71	-

### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX



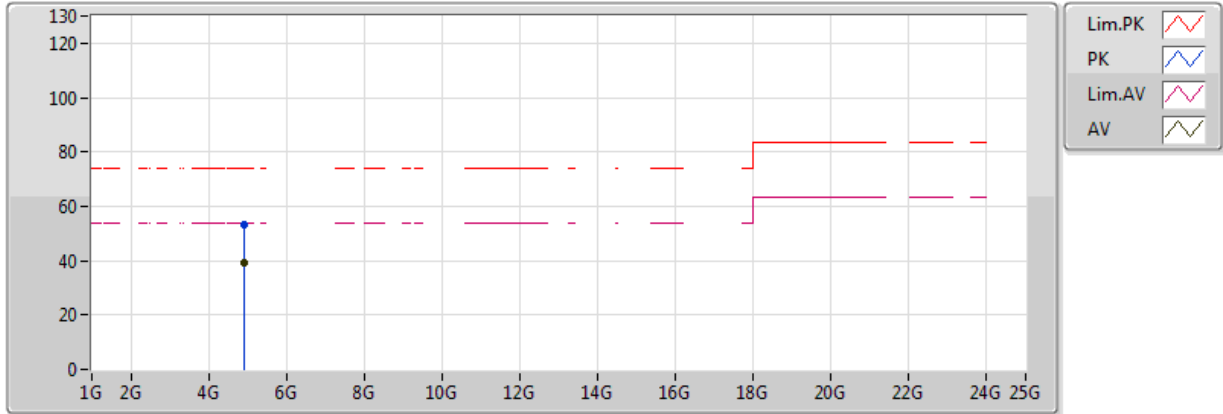
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92616G	42.16	54.00	-11.84	2.48	3	Vertical	358	1.33	-	39.67	31.47	5.52	34.50
PK	4.92028G	56.18	74.00	-17.82	2.46	3	Vertical	358	1.33	-	53.72	31.46	5.51	34.50



### 802.11g\_Nss1,(6Mbps)\_2TX

### 2462MHz\_TX

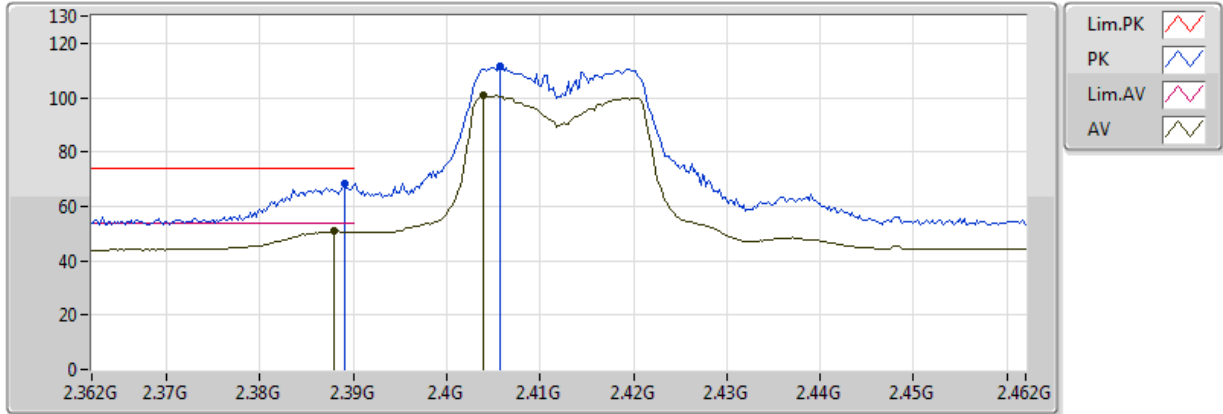


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92412G	39.33	54.00	-14.67	2.48	3	Horizontal	29	1.23	-	36.86	31.46	5.52	34.50
PK	4.92454G	53.09	74.00	-20.91	2.48	3	Horizontal	29	1.23	-	50.61	31.46	5.52	34.50

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

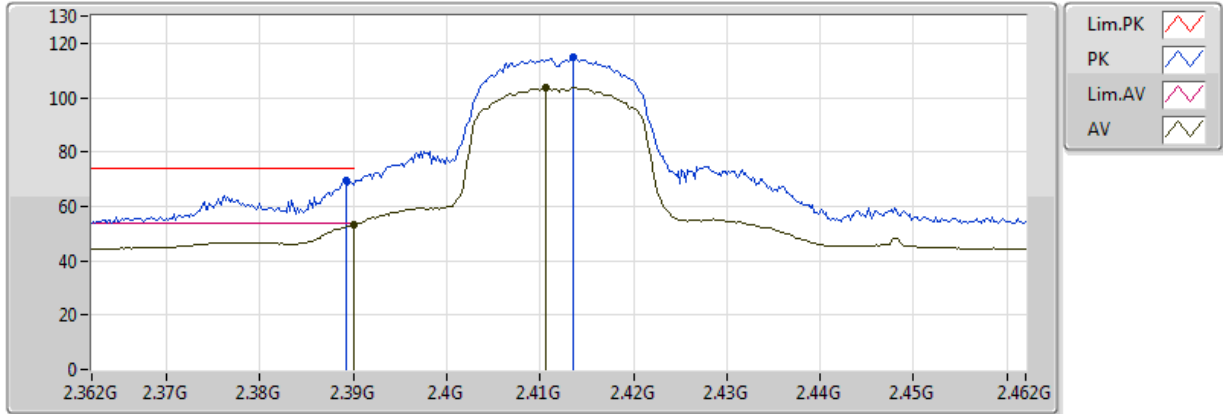


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.388G	51.06	54.00	-2.94	30.93	3	Vertical	324	1.43	-	20.13	27.31	3.62	-
AV	2.404G	100.65	Inf	-Inf	30.98	3	Vertical	324	1.43	-	69.67	27.35	3.63	-
PK	2.389G	68.39	74.00	-5.61	30.93	3	Vertical	324	1.43	-	37.46	27.31	3.62	-
PK	2.4058G	111.25	Inf	-Inf	30.99	3	Vertical	324	1.43	-	80.26	27.36	3.64	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

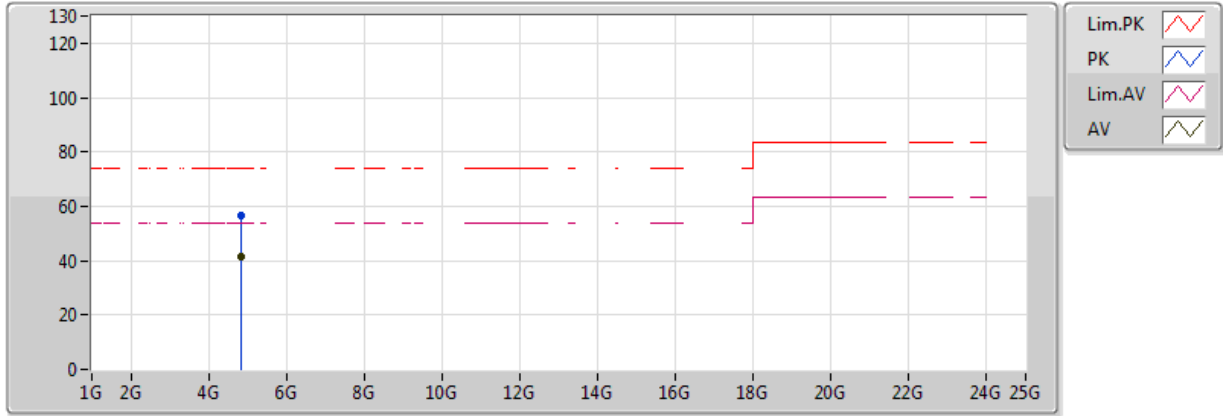


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	53.43	54.00	-0.57	30.93	3	Horizontal	42	1.50	-	22.49	27.31	3.62	-
AV	2.4106G	103.58	Inf	-Inf	31.01	3	Horizontal	42	1.50	-	72.57	27.37	3.64	-
PK	2.3892G	69.59	74.00	-4.41	30.93	3	Horizontal	42	1.50	-	38.66	27.31	3.62	-
PK	2.4136G	114.72	Inf	-Inf	31.02	3	Horizontal	42	1.50	-	83.70	27.38	3.64	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

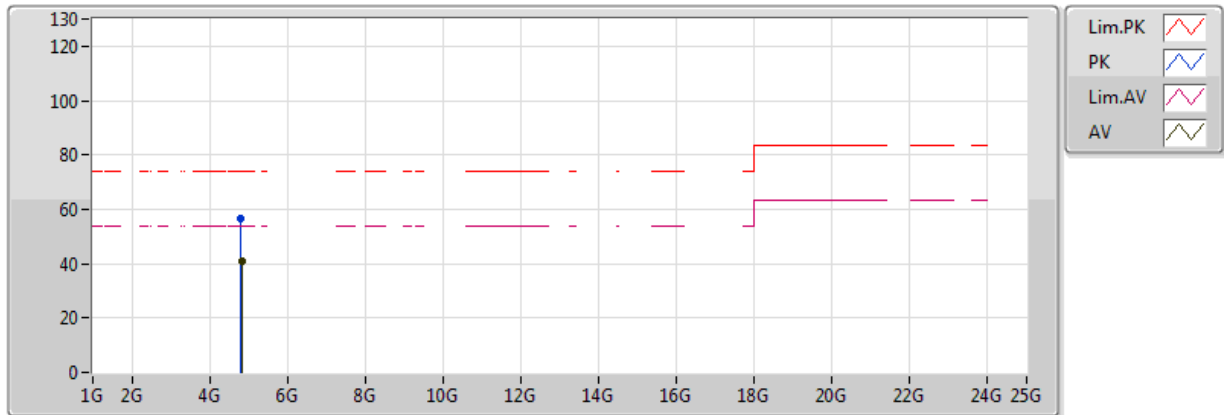


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82394G	41.40	54.00	-12.60	2.16	3	Vertical	359	1.09	-	39.23	31.28	5.41	34.53
PK	4.82346G	56.36	74.00	-17.64	2.16	3	Vertical	359	1.09	-	54.20	31.28	5.41	34.53

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2412MHz\_TX

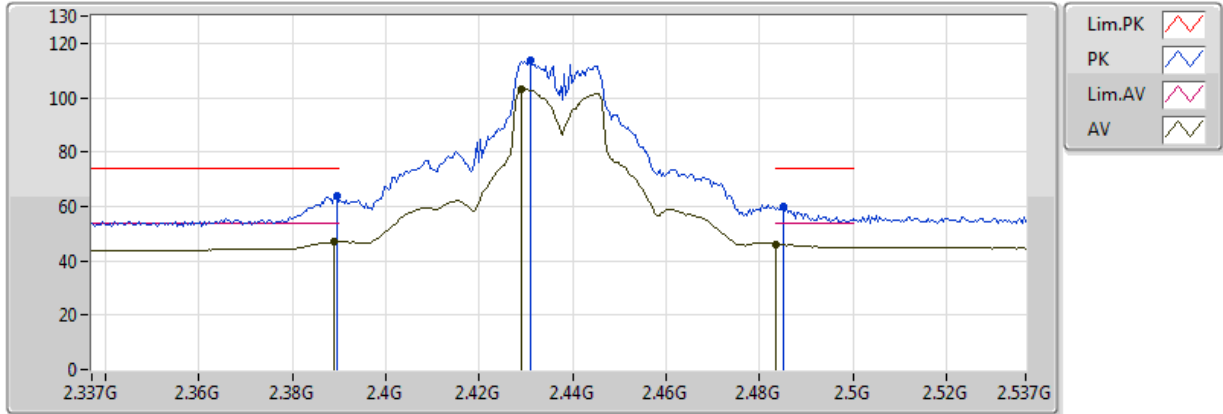


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.81896G	40.73	54.00	-13.27	2.15	3	Horizontal	58	1.55	-	38.59	31.27	5.40	34.53
PK	4.81584G	56.79	74.00	-17.21	2.14	3	Horizontal	58	1.55	-	54.66	31.27	5.40	34.53

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

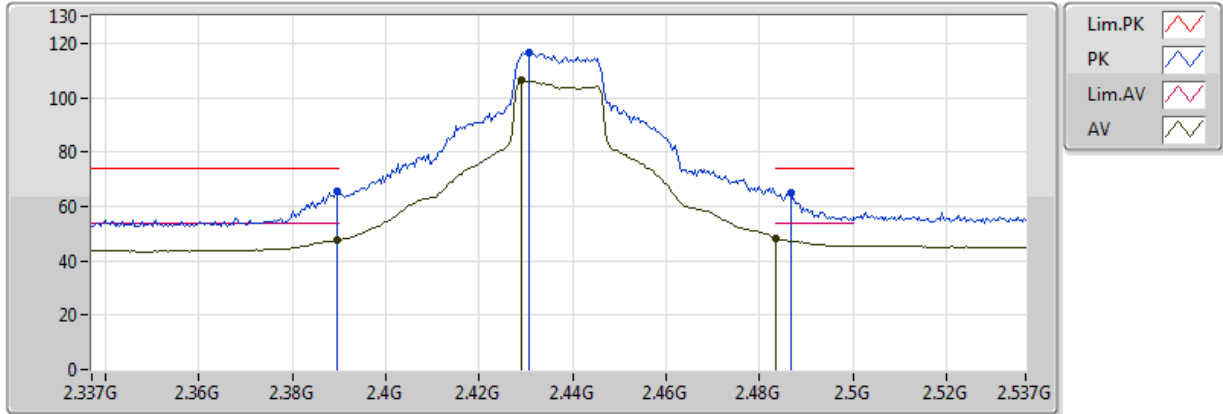


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	47.19	54.00	-6.81	30.93	3	Vertical	18	1.99	-	16.26	27.31	3.62	-
AV	2.429G	103.13	Inf	-Inf	31.07	3	Vertical	18	1.99	-	72.06	27.42	3.66	-
AV	2.483502G	46.22	54.00	-7.78	31.27	3	Vertical	18	1.99	-	14.95	27.56	3.71	-
PK	2.3894G	63.67	74.00	-10.33	30.93	3	Vertical	18	1.99	-	32.74	27.31	3.62	-
PK	2.431G	113.83	Inf	-Inf	31.08	3	Vertical	18	1.99	-	82.75	27.42	3.66	-
PK	2.485G	59.75	74.00	-14.25	31.28	3	Vertical	18	1.99	-	28.47	27.56	3.71	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

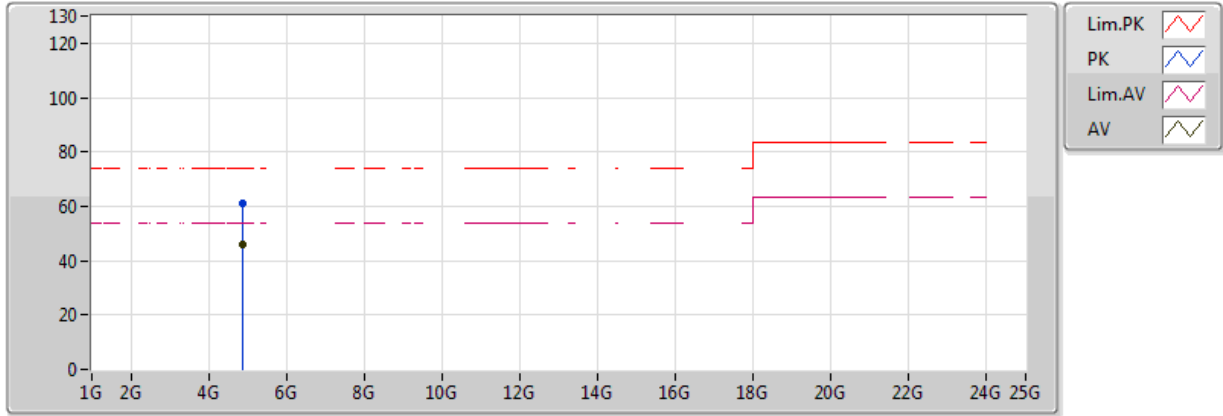


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	47.60	54.00	-6.40	30.93	3	Horizontal	0	1.80	-	16.67	27.31	3.62	-
AV	2.429G	106.23	Inf	-Inf	31.07	3	Horizontal	0	1.80	-	75.16	27.42	3.66	-
AV	2.483502G	48.33	54.00	-5.67	31.27	3	Horizontal	0	1.80	-	17.06	27.56	3.71	-
PK	2.3894G	65.57	74.00	-8.43	30.93	3	Horizontal	0	1.80	-	34.64	27.31	3.62	-
PK	2.4306G	116.68	Inf	-Inf	31.08	3	Horizontal	0	1.80	-	85.60	27.42	3.66	-
PK	2.4866G	65.28	74.00	-8.72	31.28	3	Horizontal	0	1.80	-	33.99	27.57	3.72	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX



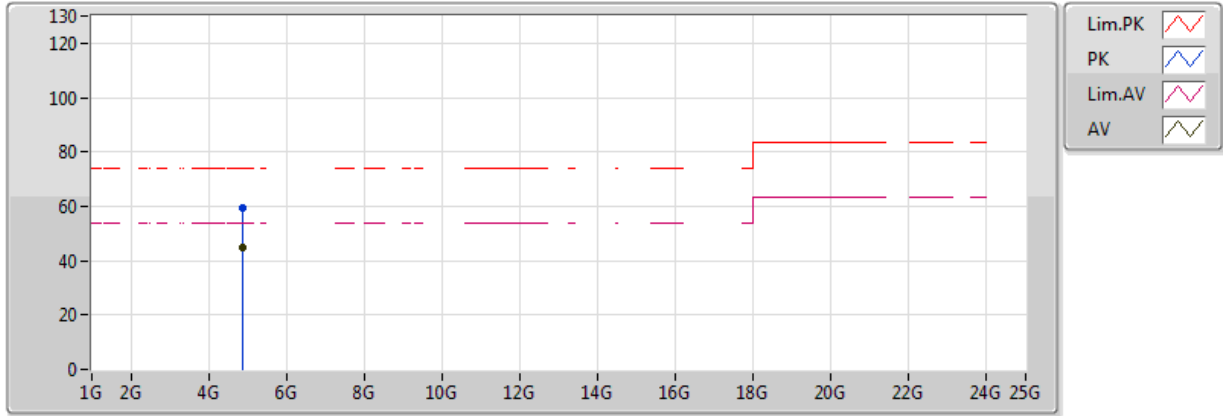
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87766G	46.11	54.00	-7.89	2.33	3	Vertical	355	1.50	-	43.78	31.38	5.47	34.51
PK	4.87658G	61.07	74.00	-12.93	2.33	3	Vertical	355	1.50	-	58.74	31.38	5.46	34.51



### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

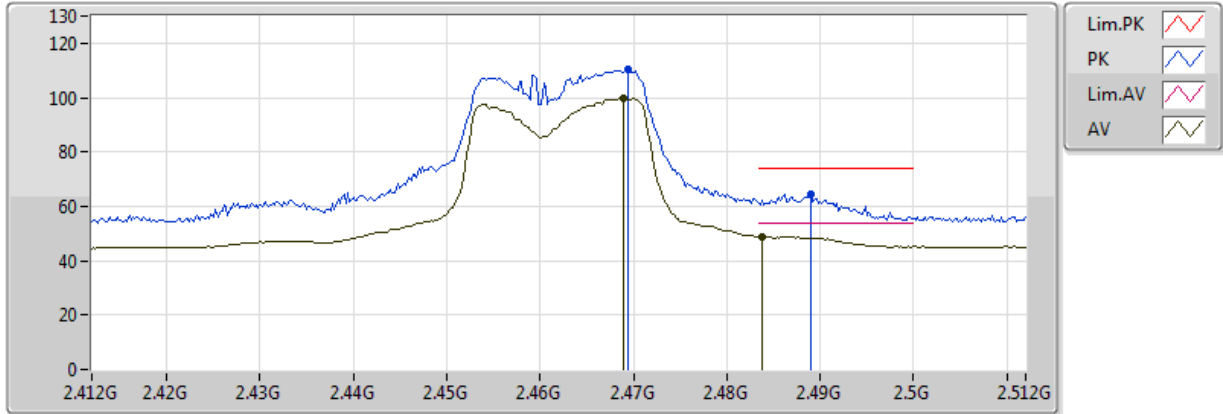


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87406G	44.85	54.00	-9.15	2.32	3	Horizontal	27	1.50	-	42.53	31.37	5.46	34.52
PK	4.87646G	59.46	74.00	-14.54	2.33	3	Horizontal	27	1.50	-	57.13	31.38	5.46	34.51

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

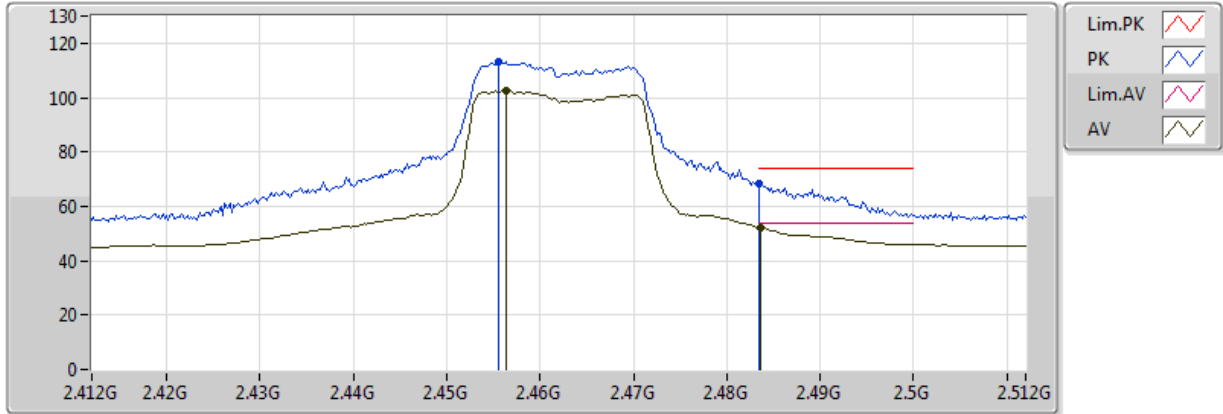


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.469G	99.94	Inf	-Inf	31.22	3	Vertical	7	1.84	-	68.73	27.52	3.70	-
AV	2.4838G	48.90	54.00	-5.10	31.27	3	Vertical	7	1.84	-	17.63	27.56	3.71	-
PK	2.4694G	110.52	Inf	-Inf	31.22	3	Vertical	7	1.84	-	79.30	27.52	3.70	-
PK	2.489G	64.29	74.00	-9.71	31.29	3	Vertical	7	1.84	-	33.00	27.57	3.72	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

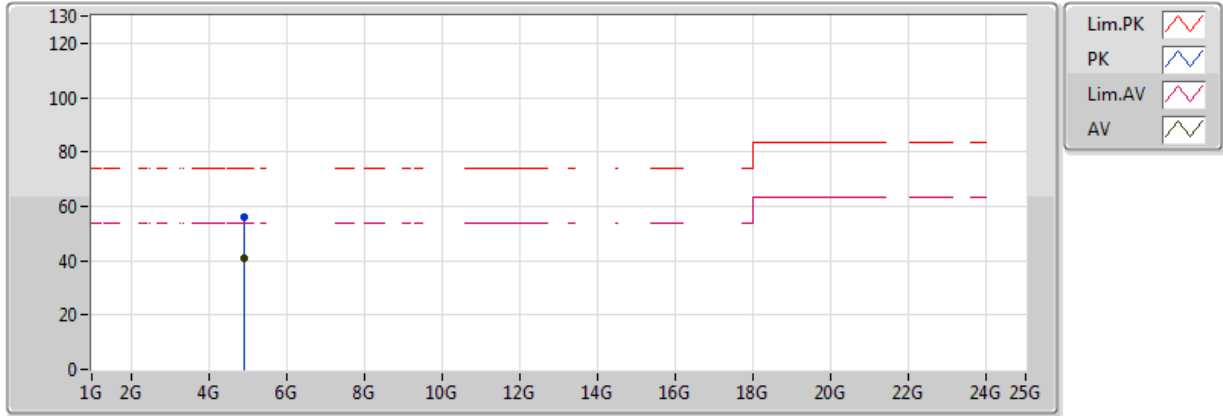


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4564G	102.43	Inf	-Inf	31.17	3	Horizontal	357	1.87	-	71.25	27.49	3.69	-
AV	2.4836G	52.35	54.00	-1.65	31.27	3	Horizontal	357	1.87	-	21.08	27.56	3.71	-
PK	2.4556G	112.99	Inf	-Inf	31.17	3	Horizontal	357	1.87	-	81.82	27.48	3.69	-
PK	2.483502G	68.45	74.00	-5.55	31.27	3	Horizontal	357	1.87	-	37.18	27.56	3.71	-

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

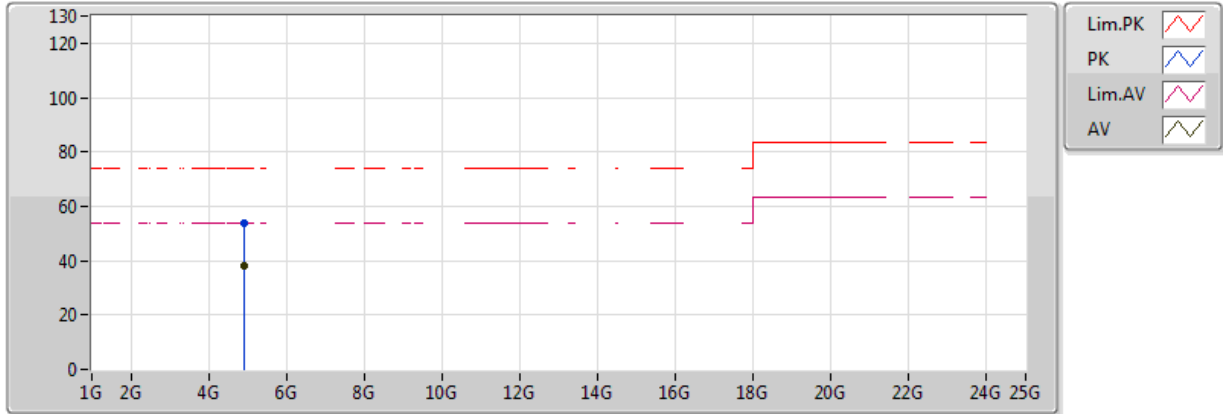


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92796G	40.68	54.00	-13.32	2.49	3	Vertical	353	1.31	-	38.19	31.47	5.52	34.50
PK	4.92778G	56.05	74.00	-17.95	2.49	3	Vertical	353	1.31	-	53.56	31.47	5.52	34.50

### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

### 2462MHz\_TX

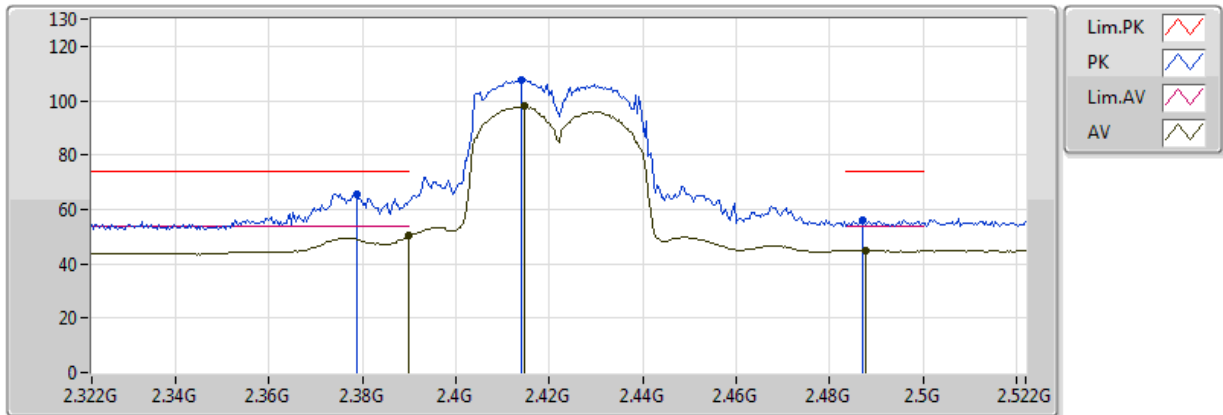


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92394G	38.19	54.00	-15.81	2.48	3	Horizontal	32	1.50	-	35.71	31.46	5.52	34.50
PK	4.9234G	53.56	74.00	-20.44	2.47	3	Horizontal	32	1.50	-	51.09	31.46	5.52	34.50

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

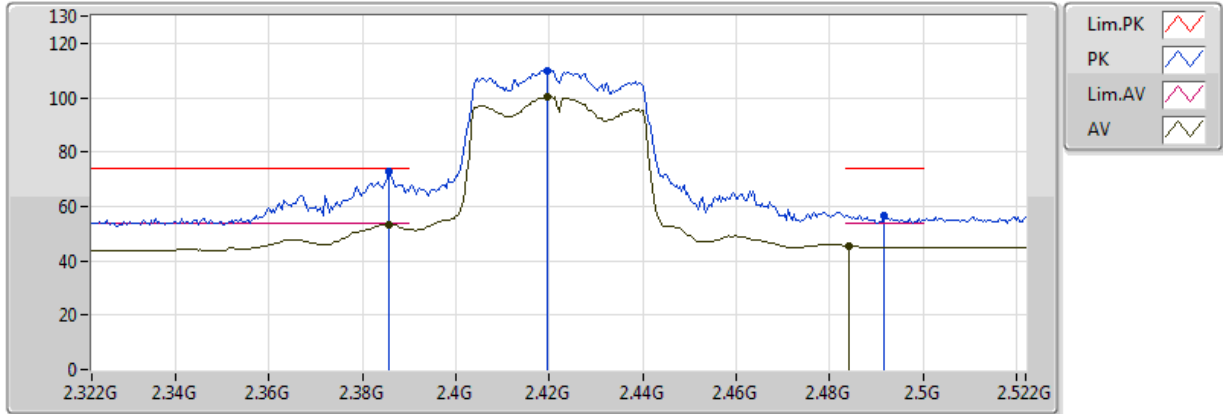


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	50.31	54.00	-3.69	30.93	3	Vertical	326	1.54	-	19.38	27.31	3.62	-
AV	2.4148G	97.81	Inf	-Inf	31.02	3	Vertical	326	1.54	-	66.79	27.38	3.64	-
AV	2.4876G	44.79	54.00	-9.21	31.29	3	Vertical	326	1.54	-	13.50	27.57	3.72	-
PK	2.3788G	65.81	74.00	-8.19	30.90	3	Vertical	326	1.54	-	34.91	27.28	3.61	-
PK	2.414G	107.59	Inf	-Inf	31.02	3	Vertical	326	1.54	-	76.57	27.38	3.64	-
PK	2.4872G	55.99	74.00	-18.01	31.28	3	Vertical	326	1.54	-	24.71	27.57	3.72	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

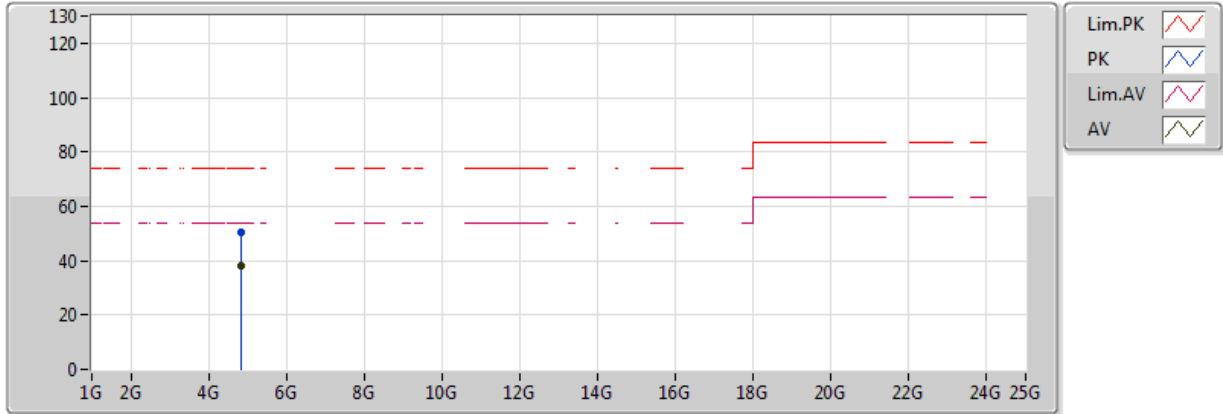


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3856G	53.37	54.00	-0.63	30.92	3	Horizontal	37	1.70	-	22.45	27.30	3.62	-
AV	2.4196G	100.37	Inf	-Inf	31.04	3	Horizontal	37	1.70	-	69.33	27.39	3.65	-
AV	2.484G	45.42	54.00	-8.58	31.27	3	Horizontal	37	1.70	-	14.15	27.56	3.71	-
PK	2.3856G	72.98	74.00	-1.02	30.92	3	Horizontal	37	1.70	-	42.06	27.30	3.62	-
PK	2.4196G	109.94	Inf	-Inf	31.04	3	Horizontal	37	1.70	-	78.90	27.39	3.65	-
PK	2.4916G	56.64	74.00	-17.36	31.30	3	Horizontal	37	1.70	-	25.34	27.58	3.72	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX



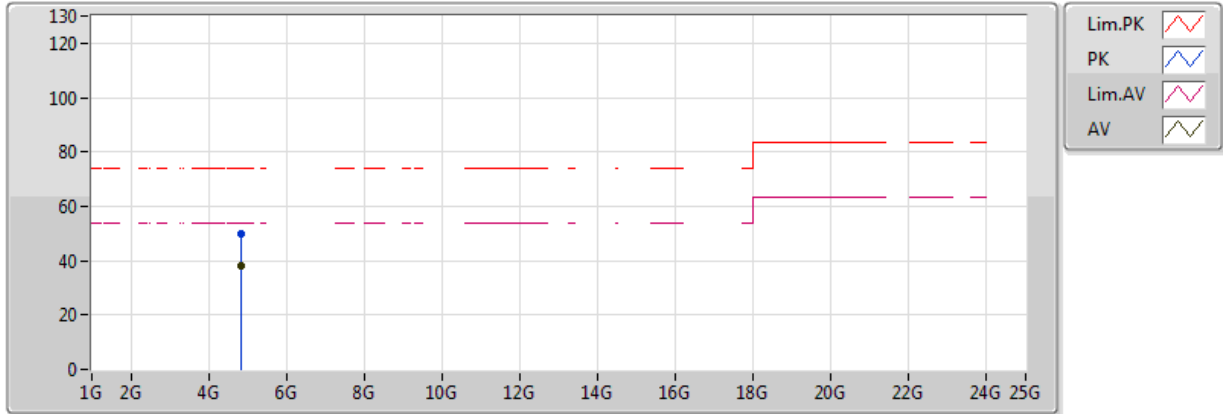
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.844G	37.85	54.00	-16.15	2.23	3	Vertical	3	1.33	-	35.63	31.32	5.43	34.52
PK	4.84112G	50.44	74.00	-23.56	2.22	3	Vertical	3	1.33	-	48.23	31.31	5.43	34.52



### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2422MHz\_TX

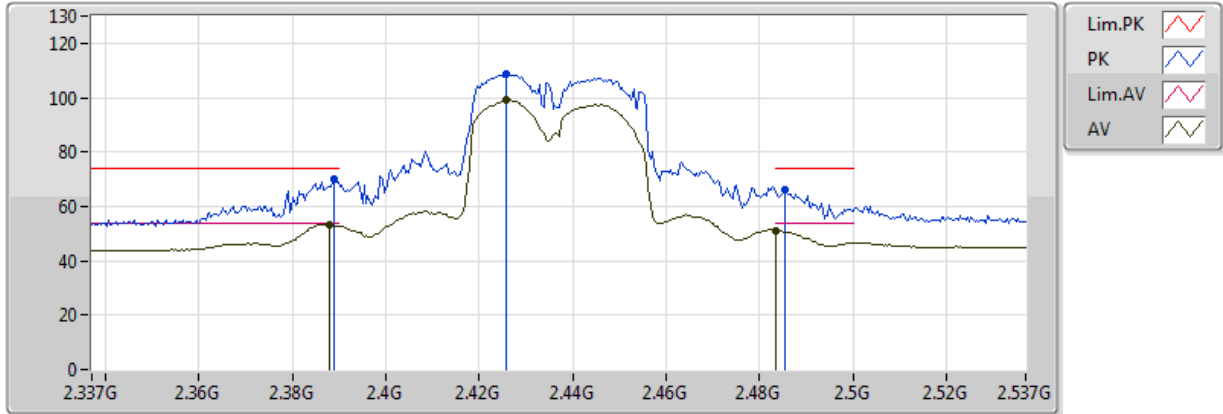


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.844G	37.86	54.00	-16.14	2.23	3	Horizontal	26	1.51	-	35.64	31.32	5.43	34.52
PK	4.84472G	50.14	74.00	-23.86	2.23	3	Horizontal	26	1.51	-	47.91	31.32	5.43	34.52

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

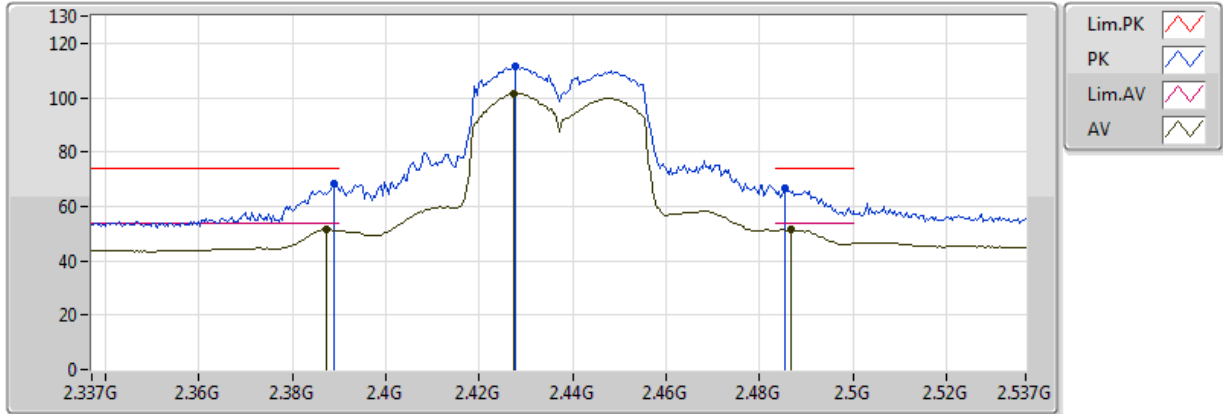


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3878G	53.35	54.00	-0.65	30.93	3	Vertical	7	1.82	-	22.42	27.31	3.62	-
AV	2.4258G	98.95	Inf	-Inf	31.06	3	Vertical	7	1.82	-	67.89	27.41	3.66	-
AV	2.483502G	51.12	54.00	-2.88	31.27	3	Vertical	7	1.82	-	19.85	27.56	3.71	-
PK	2.389G	70.06	74.00	-3.94	30.93	3	Vertical	7	1.82	-	39.12	27.31	3.62	-
PK	2.4258G	108.98	Inf	-Inf	31.06	3	Vertical	7	1.82	-	77.92	27.41	3.66	-
PK	2.4854G	66.17	74.00	-7.83	31.28	3	Vertical	7	1.82	-	34.89	27.56	3.72	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

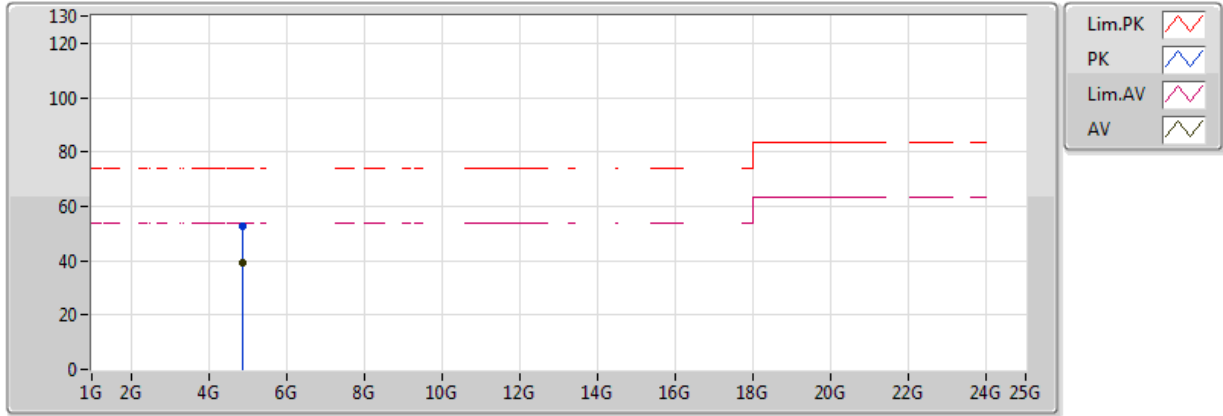


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3874G	51.64	54.00	-2.36	30.93	3	Horizontal	352	1.93	-	20.72	27.31	3.62	-
AV	2.4274G	101.56	Inf	-Inf	31.07	3	Horizontal	352	1.93	-	70.49	27.41	3.66	-
AV	2.4866G	51.59	54.00	-2.41	31.28	3	Horizontal	352	1.93	-	20.30	27.57	3.72	-
PK	2.389G	68.19	74.00	-5.81	30.93	3	Horizontal	352	1.93	-	37.26	27.31	3.62	-
PK	2.4278G	111.29	Inf	-Inf	31.07	3	Horizontal	352	1.93	-	80.22	27.41	3.66	-
PK	2.4854G	66.94	74.00	-7.06	31.28	3	Horizontal	352	1.93	-	35.66	27.56	3.72	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2437MHz\_TX

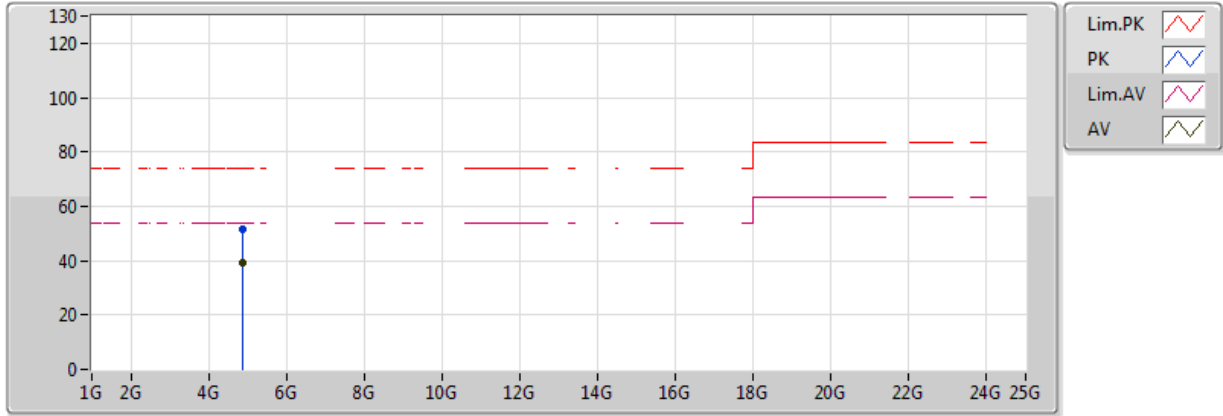


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87838G	38.99	54.00	-15.01	2.33	3	Vertical	355	1.50	-	36.66	31.38	5.47	34.51
PK	4.87862G	52.85	74.00	-21.15	2.33	3	Vertical	355	1.50	-	50.52	31.38	5.47	34.51

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

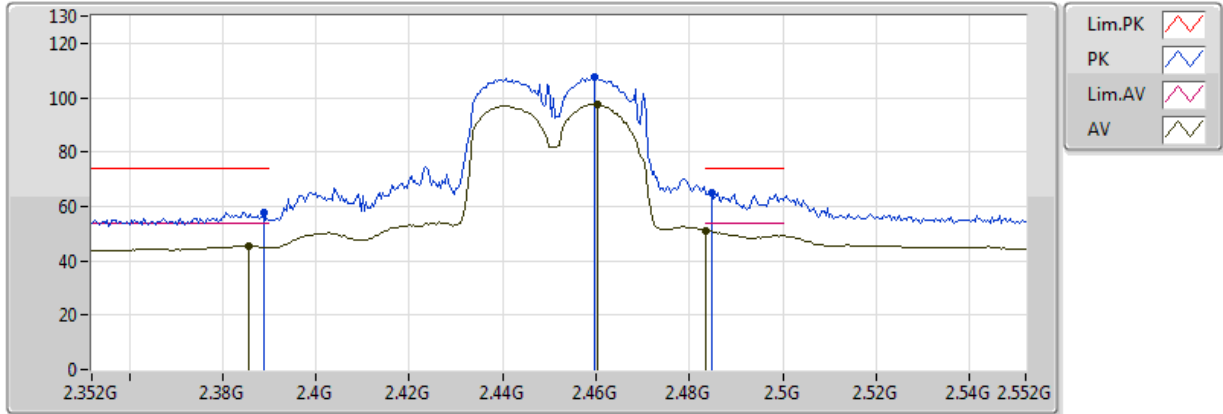
### 2437MHz\_TX



EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87406G	39.48	54.00	-14.52	2.32	3	Horizontal	28	1.50	-	37.16	31.37	5.46	34.52
PK	4.87496G	51.76	74.00	-22.24	2.32	3	Horizontal	28	1.50	-	49.44	31.37	5.46	34.52

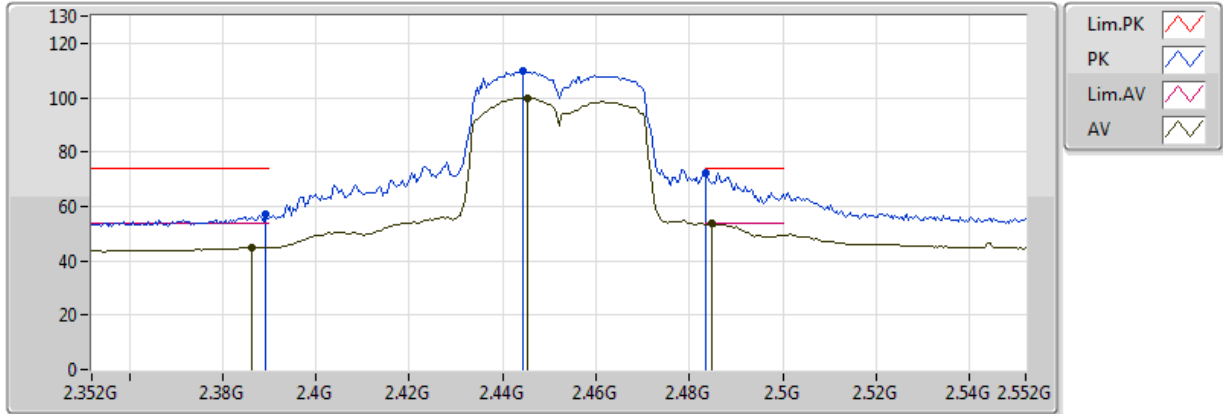
### 802.11ac VHT40\_Nss1,(MCS0)\_2TX 2452MHz\_TX



EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3856G	45.38	54.00	-8.62	30.92	3	Vertical	8	1.97	-	14.46	27.30	3.62	-
AV	2.4604G	97.52	Inf	-Inf	31.19	3	Vertical	8	1.97	-	66.33	27.50	3.69	-
AV	2.4836G	51.23	54.00	-2.77	31.27	3	Vertical	8	1.97	-	19.96	27.56	3.71	-
PK	2.3888G	57.67	74.00	-16.33	30.93	3	Vertical	8	1.97	-	26.74	27.31	3.62	-
PK	2.4596G	107.33	Inf	-Inf	31.18	3	Vertical	8	1.97	-	76.15	27.49	3.69	-
PK	2.4848G	64.78	74.00	-9.22	31.28	3	Vertical	8	1.97	-	33.50	27.56	3.71	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX 2452MHz\_TX

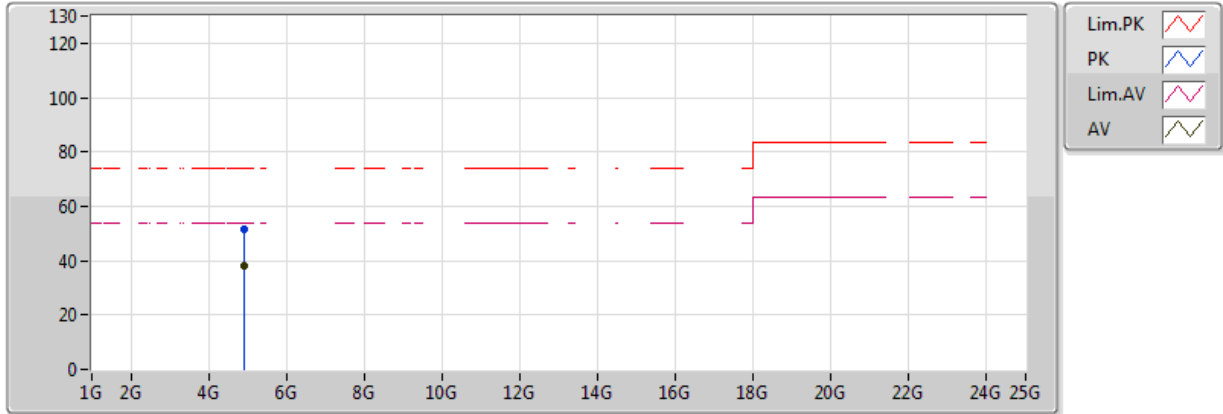


EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3864G	44.95	54.00	-9.05	30.92	3	Horizontal	353	1.66	-	14.03	27.30	3.62	-
AV	2.4452G	99.96	Inf	-Inf	31.13	3	Horizontal	353	1.66	-	68.83	27.46	3.68	-
AV	2.4848G	53.58	54.00	-0.42	31.28	3	Horizontal	353	1.66	-	22.30	27.56	3.71	-
PK	2.3892G	57.24	74.00	-16.76	30.93	3	Horizontal	353	1.66	-	26.31	27.31	3.62	-
PK	2.4444G	109.70	Inf	-Inf	31.13	3	Horizontal	353	1.66	-	78.57	27.46	3.67	-
PK	2.4836G	72.27	74.00	-1.73	31.27	3	Horizontal	353	1.66	-	41.00	27.56	3.71	-

### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX



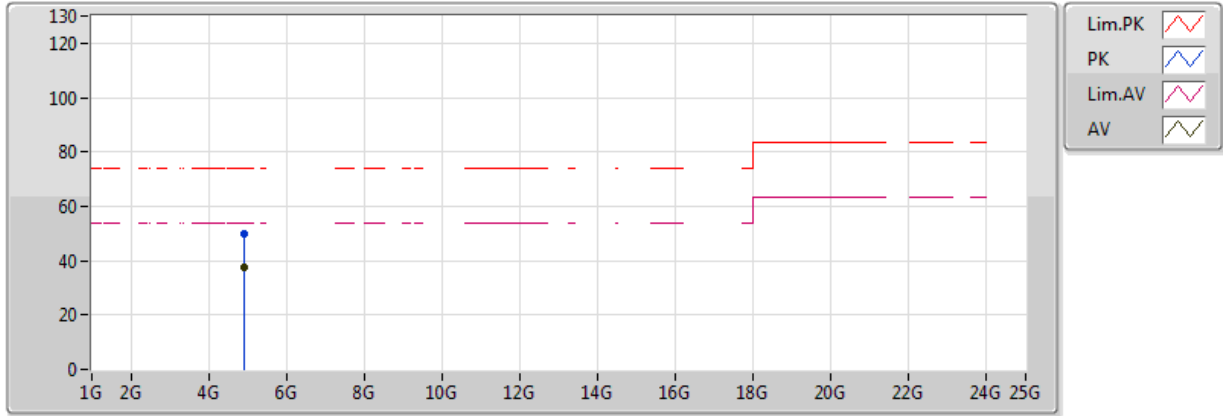
EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.90982G	38.28	54.00	-15.72	2.43	3	Vertical	356	1.39	-	35.85	31.44	5.50	34.51
PK	4.91024G	51.62	74.00	-22.38	2.43	3	Vertical	356	1.39	-	49.19	31.44	5.50	34.51



### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

### 2452MHz\_TX



EUT = X

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.904G	37.52	54.00	-16.48	2.41	3	Horizontal	28	1.45	-	35.11	31.43	5.49	34.51
PK	4.9007G	49.83	74.00	-24.17	2.40	3	Horizontal	28	1.45	-	47.43	31.42	5.49	34.51