



# FCC Test Report

**Equipment** : Wireless STB  
**Brand Name** : AT&T  
**Model No.** : C71KW-400, C71KWBP-400  
**FCC ID** : NKR-ATTC71KW  
**Standard** : 47 CFR FCC Part 15.247  
**Operating Band** : 2400 MHz – 2483.5 MHz  
**Function** :  Point-to-multipoint;  Point-to-point  
**Applicant** : Wistron NeWeb Corporation  
20 Park Avenue II Hsinchu Science Park Hsinchu,  
308 Taiwan  
**Manufacturer** : Wistron NeWeb Corporation  
20 Park Avenue II Hsinchu Science Park Hsinchu,  
308 Taiwan

The product sample received on Aug. 18, 2017 and completely tested on Oct. 16, 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.

  
Cliff Chang  
SPORTON INTERNATIONAL INC.





# Table of Contents

- 1 GENERAL DESCRIPTION .....5**
- 1.1 Information.....5
- 1.2 Testing Applied Standards .....8
- 1.3 Testing Location Information .....8
- 1.4 Measurement Uncertainty .....8
- 2 TEST CONFIGURATION OF EUT .....9**
- 2.1 Test Channel Mode .....9
- 2.2 The Worst Case Measurement Configuration .....10
- 2.3 EUT Operation during Test .....11
- 2.4 Accessories .....12
- 2.5 Support Equipment.....12
- 2.6 Test Setup Diagram .....14
- 3 TRANSMITTER TEST RESULT .....18**
- 3.1 AC Power-line Conducted Emissions .....18
- 3.2 DTS Bandwidth .....20
- 3.3 Maximum Conducted Output Power .....21
- 3.4 Power Spectral Density .....23
- 3.5 Emissions in Non-restricted Frequency Bands .....25
- 3.6 Emissions in Restricted Frequency Bands.....26
- 4 TEST EQUIPMENT AND CALIBRATION DATA .....30**

**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
FR791514AA	Rev. 01	Initial issue of report	Oct. 16, 2017



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), 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	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11ac VHT20	20	4TX
2.4-2.4835GHz	802.11ac VHT20-BF	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	802.11ac VHT40	40	4TX
2.4-2.4835GHz	802.11ac VHT40-BF	40	4TX

**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.
- ♦ Nss-Min is the minimum number of spatial streams.
- ♦ Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.



1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)		
						2.4GHz	5GHz	BT
A	1	Airgain	N2425DWA7	PCB Antenna	I-PEX	Note	Note	-
B	2	Airgain	N2410DWB7	PCB Antenna	I-PEX			
C	3	Airgain	N2425DWC7	PCB Antenna	I-PEX			
D	4	Airgain	N2410DWD7	PCB Antenna	I-PEX			
E	1	N/A	N/A	Printed Antenna	N/A	-	-	1.11

Note:

2.4 GHz Antenna gain (dBi)				
Port \ Frequency	1	2	3	4
2412MHz	4.30	2.20	3.90	2.80
2422MHz	4.30	2.40	4.00	2.90
2437MHz	4.50	3.10	4.20	3.20
2452MHz	4.50	3.30	4.20	3.30
2462MHz	4.70	3.50	4.20	3.20

Frequency	2.4 GHz Directional gain (dBi)
2412MHz	5.70
2422MHz	5.90
2437MHz	6.30
2452MHz	6.40
2462MHz	6.40

5 GHz Antenna gain (dBi)				
Port \ Band	1	2	3	4
Band 1	5.50	2.30	4.30	4.30
Band 2	5.30	1.90	4.00	4.20
Band 3	5.80	1.80	3.90	2.50
Band 4	5.70	2.00	3.70	2.00



Band	5 GHz Directional gain (dBi)
Band 1	7.60
Band 2	7.50
Band 3	7.00
Band 4	7.10

Note: The EUT has four antennas.

**For WLAN function (4TX, 4RX):**

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.

**For Bluetooth function (1TX, 1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

**1.1.3 Mode Test Duty Cycle**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.999	0.004	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.988	0.052	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20	0.956	0.195	0	10
802.11ac VHT20-BF	0.919	0.367	3.833m	300
802.11ac VHT40	0.824	0.841	0	10
802.11ac VHT40-BF	0.841	0.752	4.625m	300

**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	From Power Adapter		
<b>Beamforming Function</b>	<input checked="" type="checkbox"/>	With beamforming For 802.11ac in 2.4GHz/5GHz.	<input type="checkbox"/> Without beamforming

**1.1.5 Table for Multiple Listing**

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

Brand Name	Model Name	Description
AT&T	C71KW-400 C71KWBP-400	There is nothing different of two models, just for different marketing use.

From the above models, model: C71KW-400 was selected as representative model for the test and its data was recorded in this report.

## 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
- ◆ FCC KDB 558074 D01 v04
- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 644545 D01 v01r02
- ◆ FCC KDB 412172 D01 v01r01

## 1.3 Testing Location Information

Testing Location		
<input type="checkbox"/>	HWA YA	ADD : No. 52, Hwa Ya 1st Rd., Kwei-Shan Hsiang, Tao Yuan Hsien, Taiwan, R.O.C. TEL : 886-3-327-3456 FAX : 886-3-318-0055
<input checked="" type="checkbox"/>	JHUBEI	ADD : No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C. TEL : 886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Lucke Hsieh, Stim Sung, Gino Huang	20°C / 55%	Aug. 28, 2017 ~ Oct. 16, 2017
Radiated	03CH01-CB	Justin Lin	22°C / 54%	Aug. 18, 2017 ~ Aug. 31, 2017
AC Conduction	CO01-CB	Deven Huang	23°C / 60%	Sep. 11, 2017

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086D with Industry Canada.

## 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)	3.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.7 dB	Confidence levels of 95%
Output Power Measurement	1.33 dB	Confidence levels of 95%
Power Density Measurement	1.27 dB	Confidence levels of 95%
Bandwidth Measurement	9.74 x10 <sup>-8</sup>	Confidence levels of 95%





## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode	Power Setting
802.11b_(1Mbps)_4TX	-
2412MHz	23.5
2437MHz	23.5
2462MHz	23
802.11g_(6Mbps)_4TX	-
2412MHz	18
2437MHz	24
2462MHz	18.5
802.11ac VHT20_Nss1,(MCS0)_4TX	-
2412MHz	19
2437MHz	24
2462MHz	19
802.11ac VHT40_Nss1,(MCS0)_4TX	-
2422MHz	18
2437MHz	19
2452MHz	18.5
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
2412MHz	18
2437MHz	24.5
2462MHz	17.5
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
2422MHz	17.5
2437MHz	19
2452MHz	17

Note: 1.VHT20/VHT40 covers HT20/HT40, due to same modulation. The power setting for 802.11n HT20 and HT40 are the same or lower than 802.11ac VHT20 and VHT40.

2. There are two modes of EUT, one is beamforming mode, and the other is non-beamforming mode for 802.11ac. All test results were recorded in the report.

## 2.2 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>	Normal Link
1	EUT with Ethernet + Bluetooth function
2	EUT with 2.4GHz WLAN + Bluetooth function
3	EUT with 5GHz WLAN + Bluetooth function
For operating mode 3 is the worst case and it was record in this test report.	

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>	Normal Link
1	EUT in Z axis with Ethernet + Bluetooth function
2	EUT in Y axis with Ethernet + Bluetooth function
Mode 1 has been evaluated to be the worst case among Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT in Z axis with 2.4GHz WLAN + Bluetooth function
4	EUT in Z axis with 5GHz WLAN + Bluetooth function
For operating mode 1 is the worst case and it was record in this test report.	
<b>Operating Mode &gt; 1GHz</b>	CTX
The EUT was performed at Y axis and Z axis position for Radiated emission above 1GHz test, and the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA791514 for Co-location RF Exposure Evaluation.	

Note: 1. The defines from manufacturer, "USB port" without any function, and it was performed test at the load.

2. The adapter is for measurement only, would not be marketed

Support Unit	Brand	Model	FCC ID
Adapter	DIRECTV	EPS10R4-16	DoC

### 2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by RX Device and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.



## 2.4 Accessories

N/A

## 2.5 Support Equipment

For Test Site No: CO01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	AP Router	Planex	GW-AP54SGX	KA220030603014-1
2	NB	DELL	E6430	DoC
3	Earphone	SHYARO CHI	MIC-04	DoC
4	Adapter	DIRECTV	EPS10R4-16	DoC
5	4K TV	LG	27UD68	DoC
6	Converter	UPMOST	DCT3	N/A
7	Flash disk3.0	Transcend	JetFlash-700	DoC
8	Remote controller	AT&T	VRC81	N/A

For Test Site No: 03CH01-CB (below 1GHz)

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	WLAN AP	NETGEAR	WNDR3300v2	PY309300116
2	NB	DELL	E4300	DoC
3	Earphone	SHYARO CHI	MIC-04	N/A
4	Adapter	DIRECTV	EPS10R4-16	DoC
5	4K TV	SONY	KLV-32U300A	DoC
6	Flash disk3.0	Silicon Power	B06	DoC
7	Remote controller	AT&T	VRC81	N/A
8	Converter	UPMOST	DCT3	N/A



For Test Site No: 03CH01-CB (above 1GHz)  
<For Non-Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	DIRECTV	EPS10R4-16	DoC

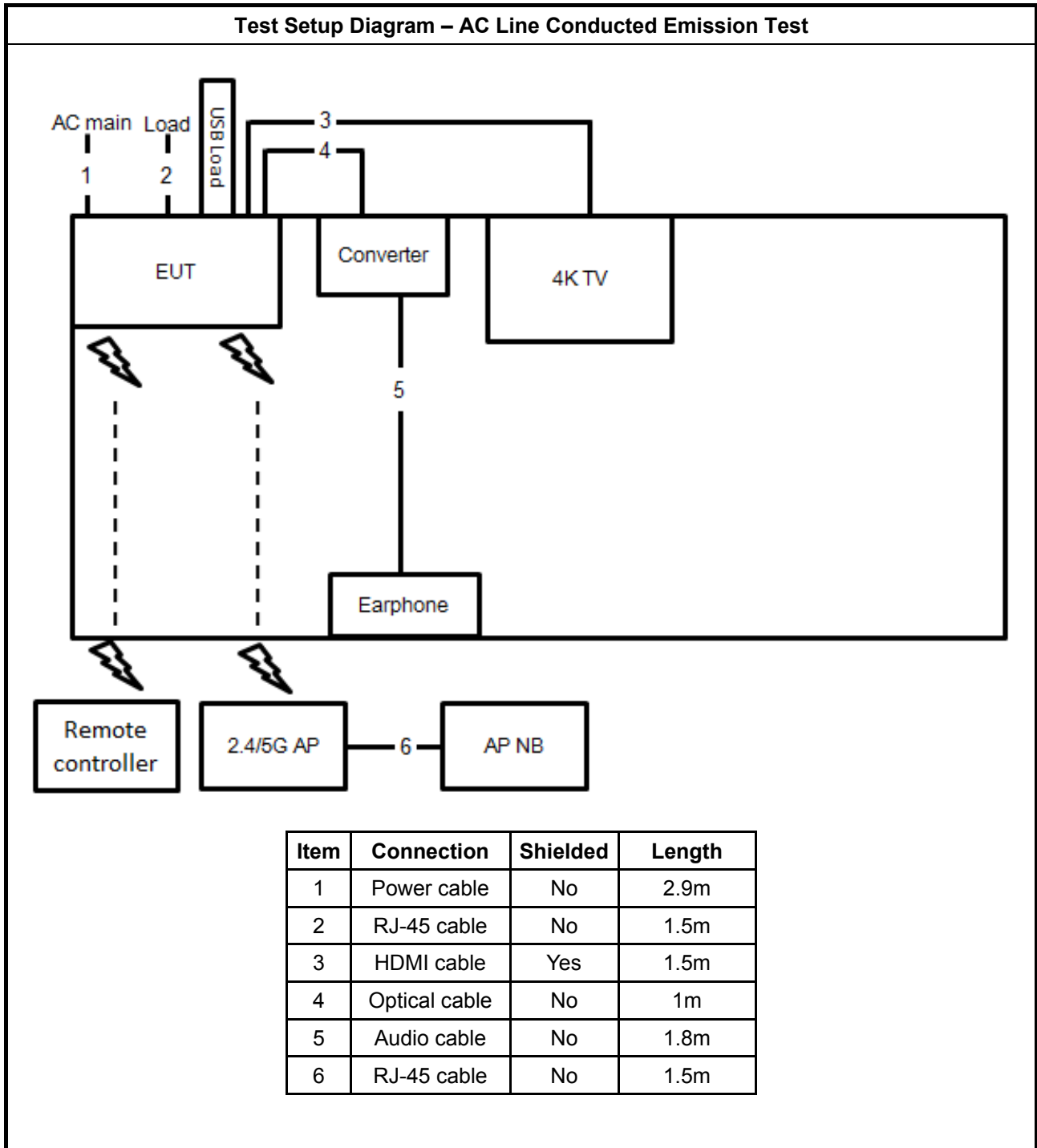
<For Beamforming Mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB*2	DELL	E4300	DoC
2	RX Device	AT&T	C71KW-400	NKR-ATTC71KW
3	Adapter	DIRECTV	EPS10R4-16	DoC

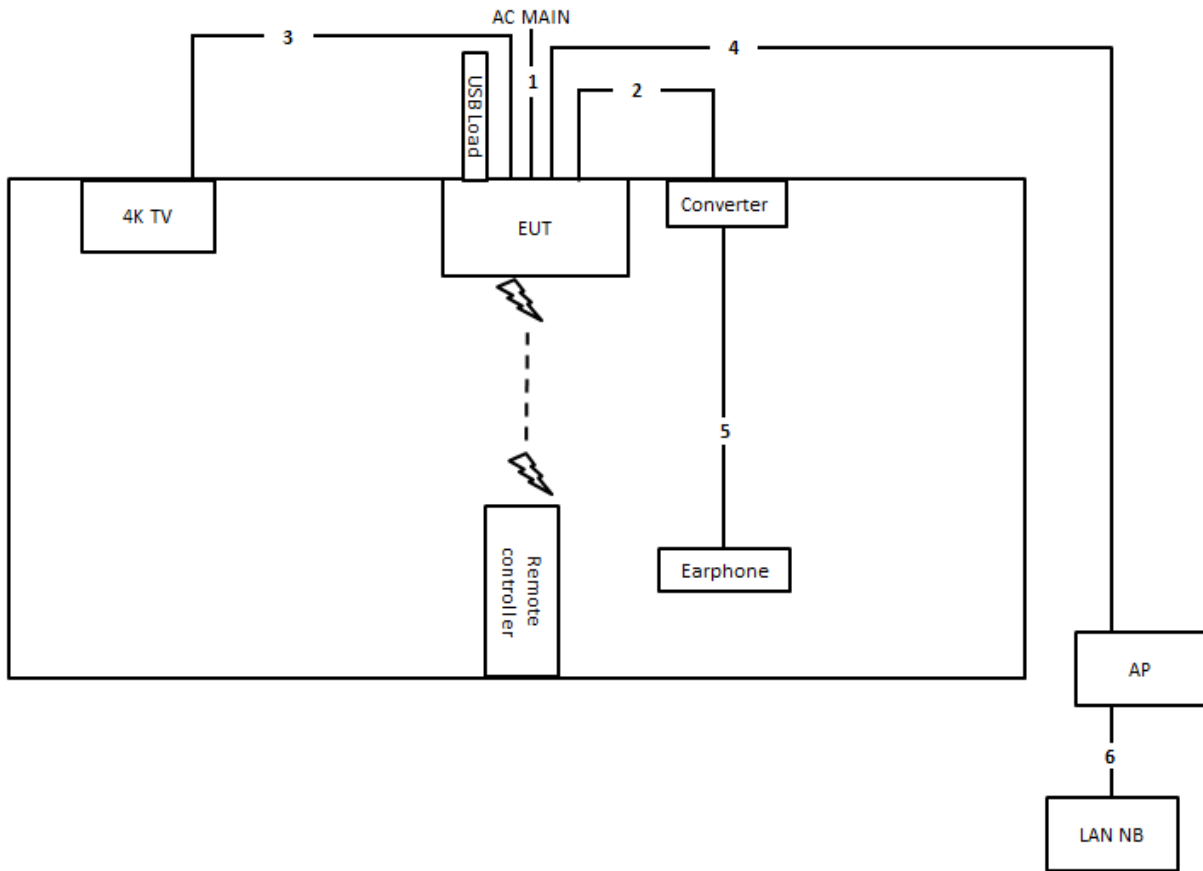
For Test Site No: TH01-CB

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
1	NB	DELL	E4300	DoC
2	Adapter	DIRECTV	EPS10R4-16	DoC

## 2.6 Test Setup Diagram

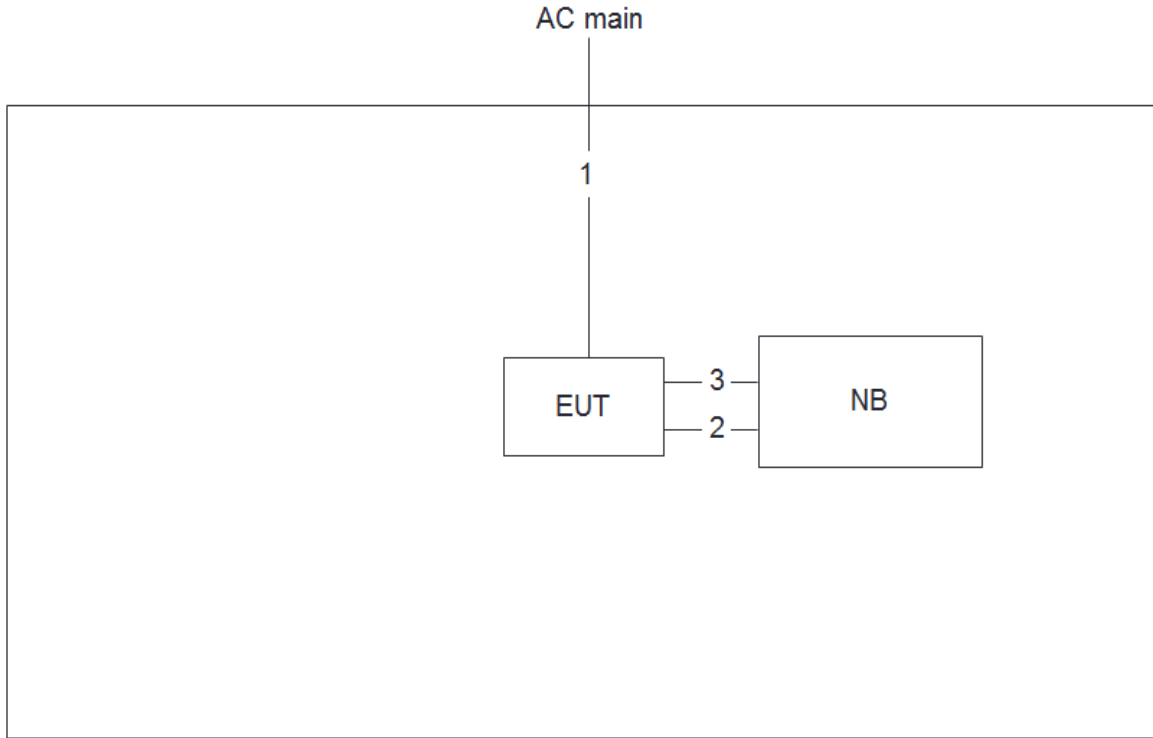


Test Setup Diagram - Radiated Test < 1GHz



Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	Optical cable	No	1m
3	HDMI cable	Yes	1.5m
4	RJ-45 cable	No	10m
5	Audio cable	No	1.1m
6	RJ-45 cable	No	1m

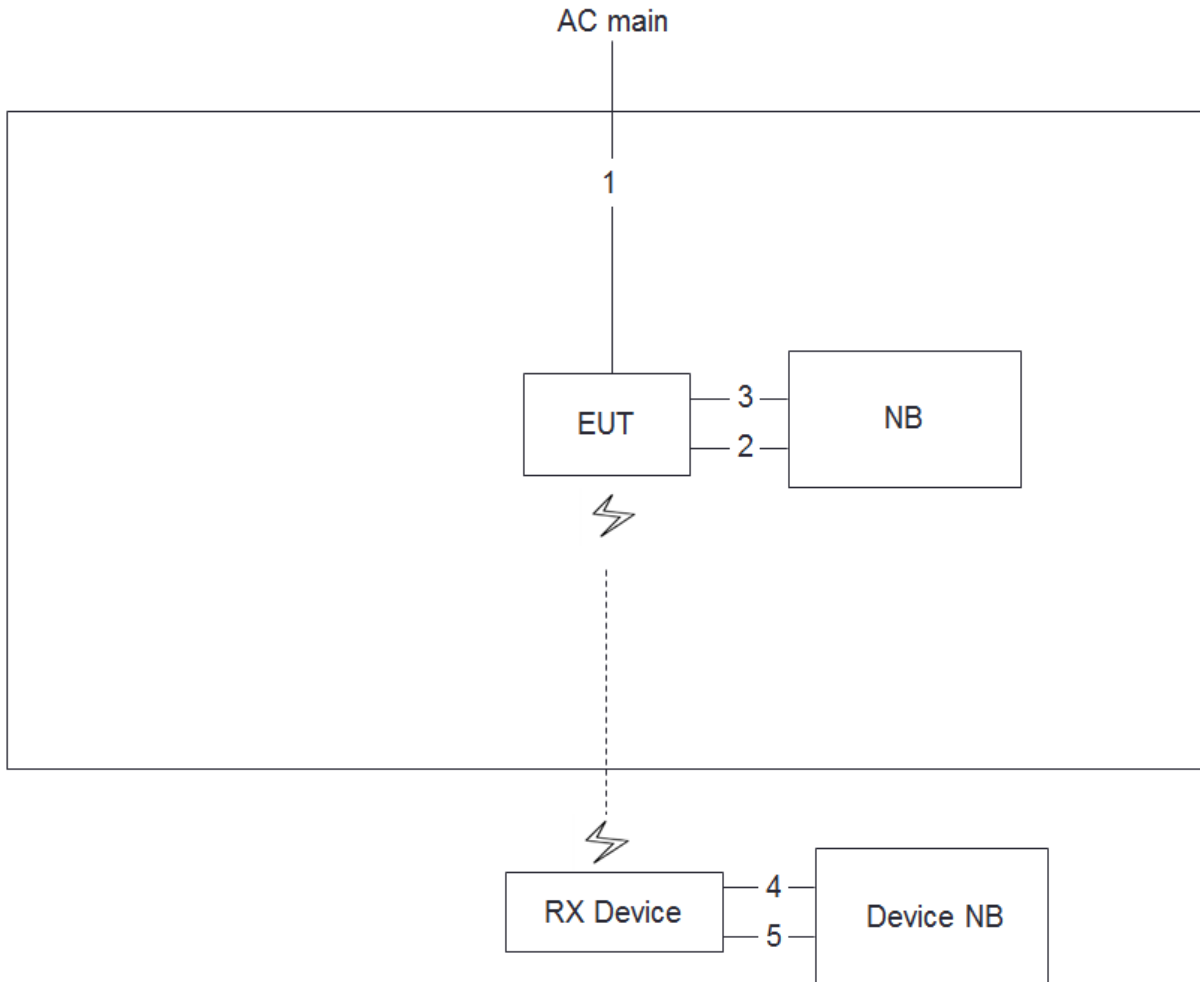
Test Setup Diagram - Radiated Test > 1GHz / Non-Beamforming Mode



Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	RS-232 cable	Yes	1.5m
3	RJ-45 cable	No	1.5m



Test Setup Diagram - Radiated Test > 1GHz / Beamforming Mode



Item	Connection	Shielded	Length
1	Power cable	No	2.9m
2	RS-232 cable	Yes	1.5m
3	RJ-45 cable	No	1.5m
4	RJ-45 cable	No	1.5m
5	RS-232 cable	Yes	1.5m

### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: \* Decreases with the logarithm of the frequency.

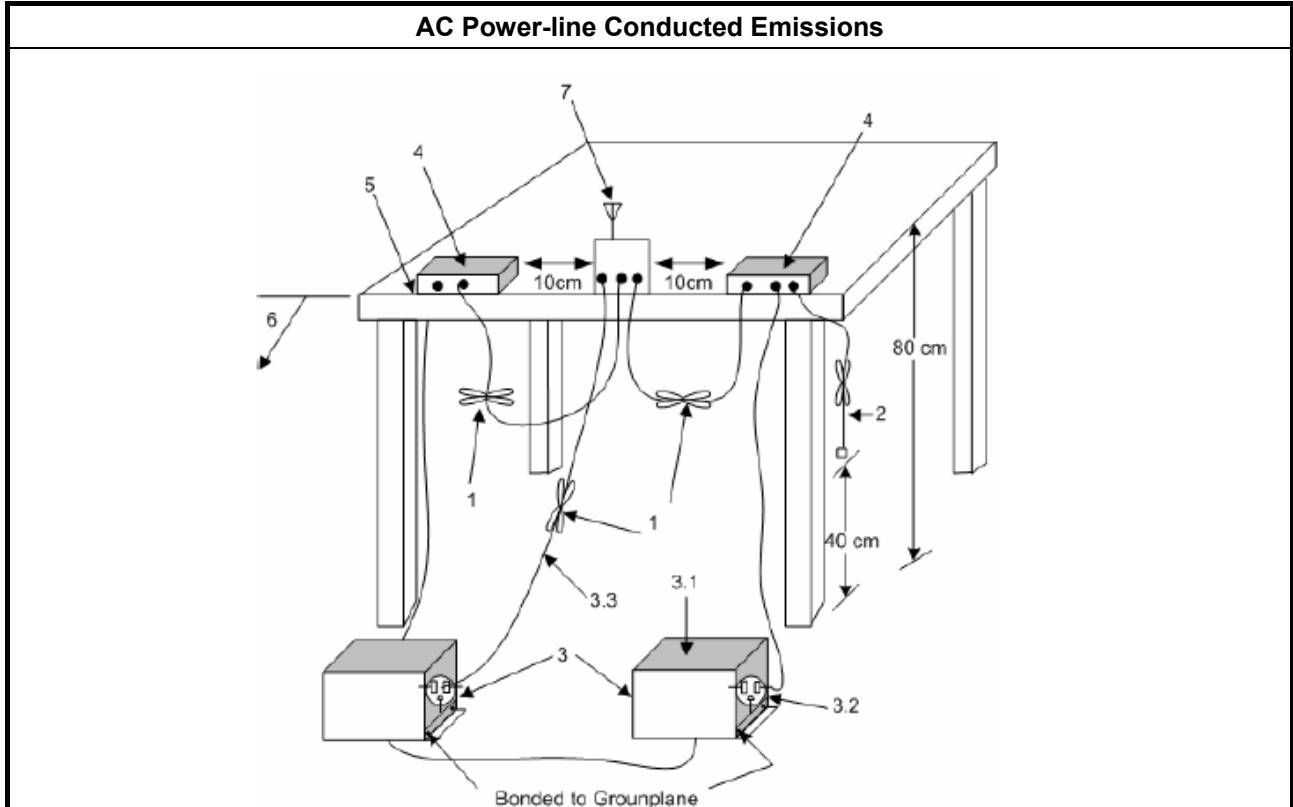
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Test Setup





### **3.1.5 Test Result of AC Power-line Conducted Emissions**

Refer as Appendix A

### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

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

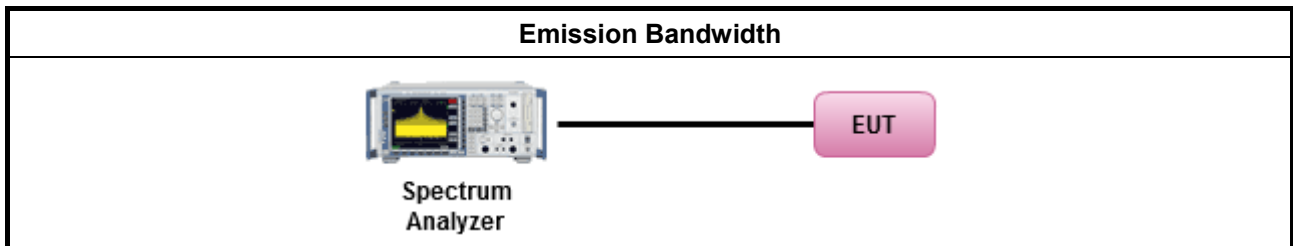
#### 3.2.2 Measuring Instruments

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 FCC KDB 558074, clause 8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 Option 2 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪ Smart antenna system (SAS):
	- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
$P_{Out}$ = maximum peak conducted output power or maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

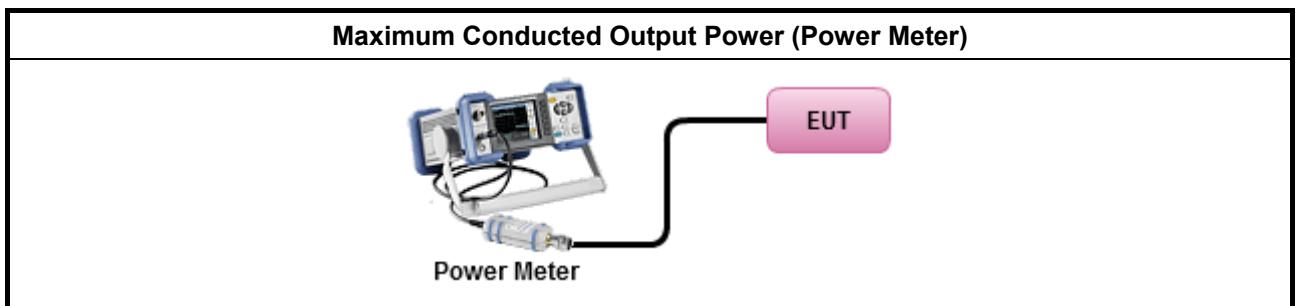
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>Maximum Peak Conducted Output Power</li> </ul>	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1.1 Option 1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1.2 Option 2 (peak power meter for VBW ≥ DTS BW)
<ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul>	
[duty cycle ≥ 98% or external video / power trigger]	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.2.2.2 Method AVGSA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.2.2.3 Method AVGSA-1 Alt. (slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.2.2.4 Method AVGSA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC 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 FCC KDB 558074, clause 9.2.3 Method AVGPM-G (using an RF average power meter).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 9.1.2 PKPM1 Peak power meter method.
<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 FCC 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 display="block">P_{total} = P_1 + P_2 + \dots + P_n</math>                     (calculated in linear unit [mW] and transfer to log unit [dBm])  <math display="block">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>

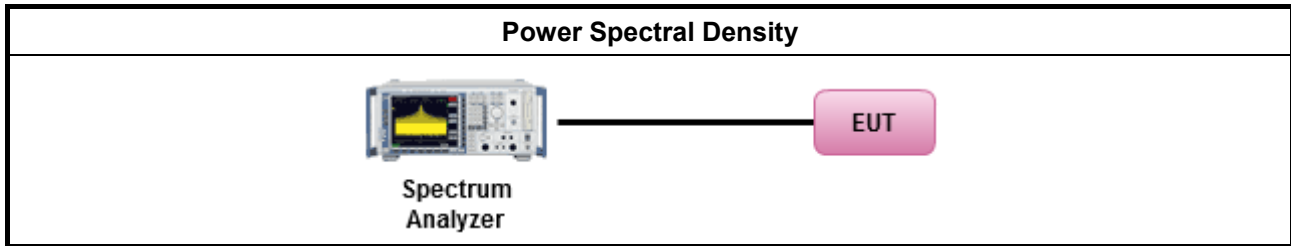
#### 3.4.2 Measuring Instruments

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 FCC KDB 558074, clause 10.2 Method PKPSD (RBW=3-100kHz; Detector=peak). [duty cycle $\geq$ 98% or external video / power trigger]
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.3 Method AVGPSD-1 (spectral trace averaging).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.4 Method AVGPSD-2 (slow sweep speed) duty cycle < 98% and average over on/off periods with duty factor
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.5 Method AVGPSD-1 Alt (spectral trace averaging).
<input type="checkbox"/> Refer as FCC KDB 558074, clause 10.6 Method AVGPSD-2 Alt. (slow sweep speed)
<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> <input checked="" type="checkbox"/> Option 1: Measure and sum the spectra across the outputs. Refer as FCC 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> <li> <input type="checkbox"/> Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,               </li> <li> <input type="checkbox"/> Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.               </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.

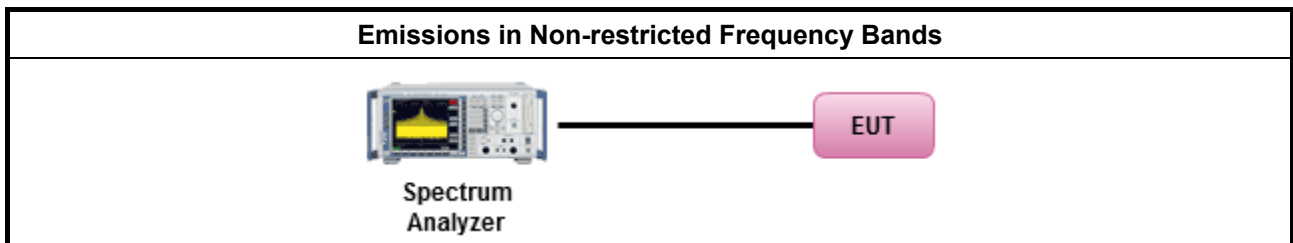
#### 3.5.2 Measuring Instruments

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 FCC 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.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

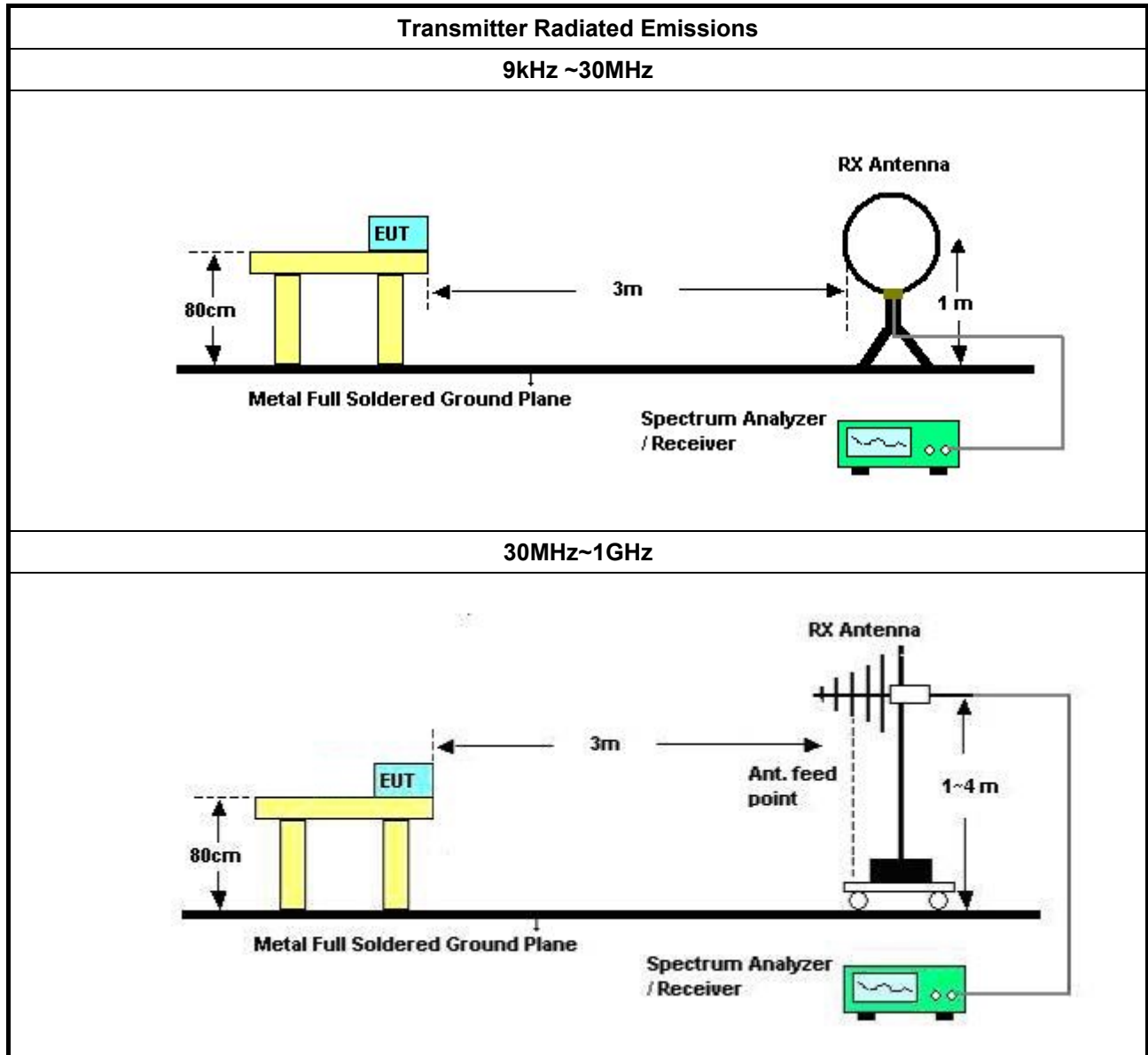
#### 3.6.2 Measuring Instruments

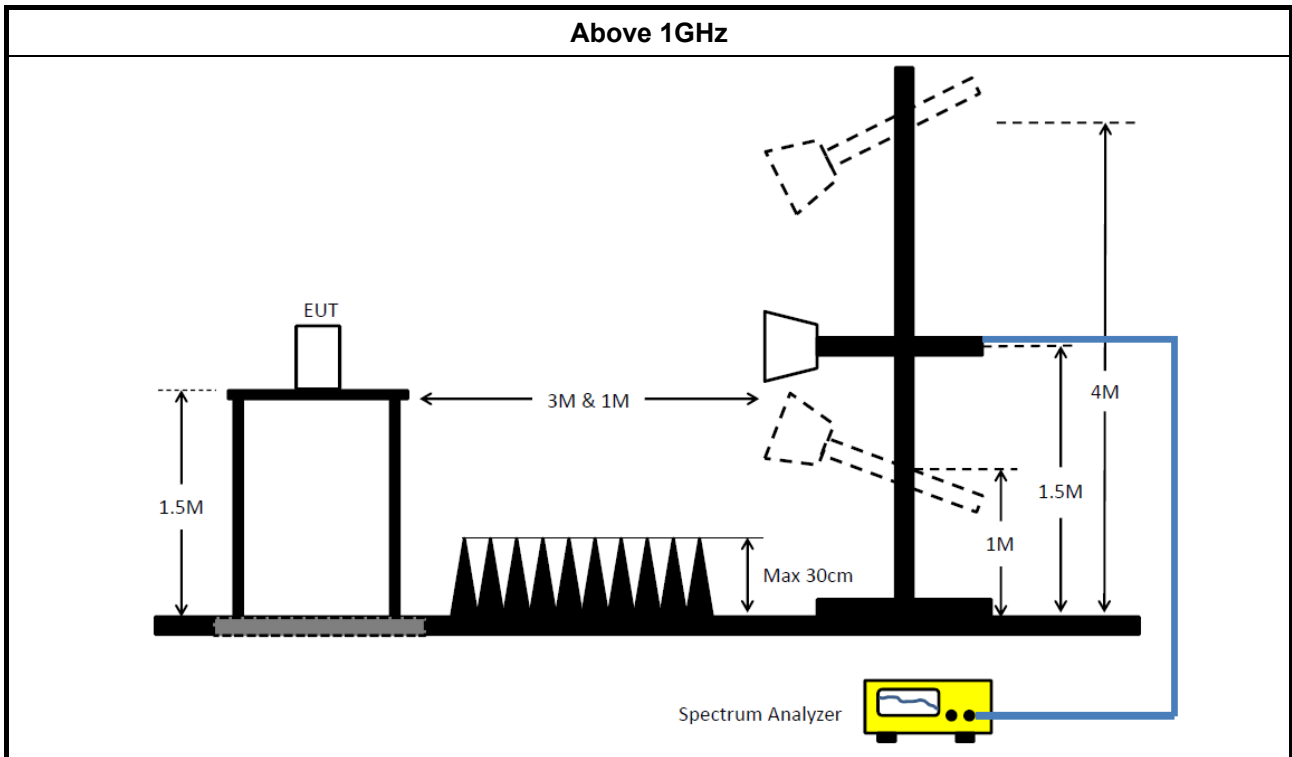
Refer a test equipment and calibration data table in this test report.

### 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 6.9.2.2 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 FCC KDB 558074, clause 12 for unwanted emissions into restricted bands.</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.1 Option 1 (trace averaging for duty cycle $\geq$ 98%)
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.2 Option 2 (trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.5.3 Option 3 (Reduced VBW $\geq$ 1/T).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.2.3.2.4 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 12.2.4 measurement procedure peak limit.
<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 FCC 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 FCC KDB 558074, clause 13.2 (ANSI C63.10, clause 6.9.3) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC 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 FCC 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 FCC 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 Transmitter Radiated Unwanted Emissions (Below 30MHz)

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

### 3.6.6 Test Result of Transmitter Radiated Unwanted Emissions

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 23, 2017	Jan. 22, 2018	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 14, 2016	Dec. 13, 2017	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Dec. 21, 2016	Dec. 20, 2017	Conduction (CO01-CB)
COND Cable	Woken	Cable	01	150kHz ~ 30MHz	May 23, 2017	May 22, 2018	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0604	30MHz ~ 1GHz	Jan. 11, 2017	Jan. 10, 2018	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 16, 2016*	Mar. 15, 2018*	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 10, 2016	Nov. 09, 2017	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 05, 2017	Jul. 04, 2018	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2017	May 01, 2018	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 16, 2017	Jan. 15, 2018	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 10, 2017	Jul. 09, 2018	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Nov. 22, 2016	Nov. 21, 2017	Radiation (03CH01-CB)
EMI Test	R&S	ESCS	100355	9kHz ~ 2.75GHz	May 06, 2017	May 05, 2018	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Oct. 24, 2016	Oct. 23, 2017	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Dec. 26, 2016	Dec. 25, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-6	1 GHz – 26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)



Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-7	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-8	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-9	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 24, 2016	Oct. 23, 2017	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 22, 2016	Nov. 21, 2017	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.

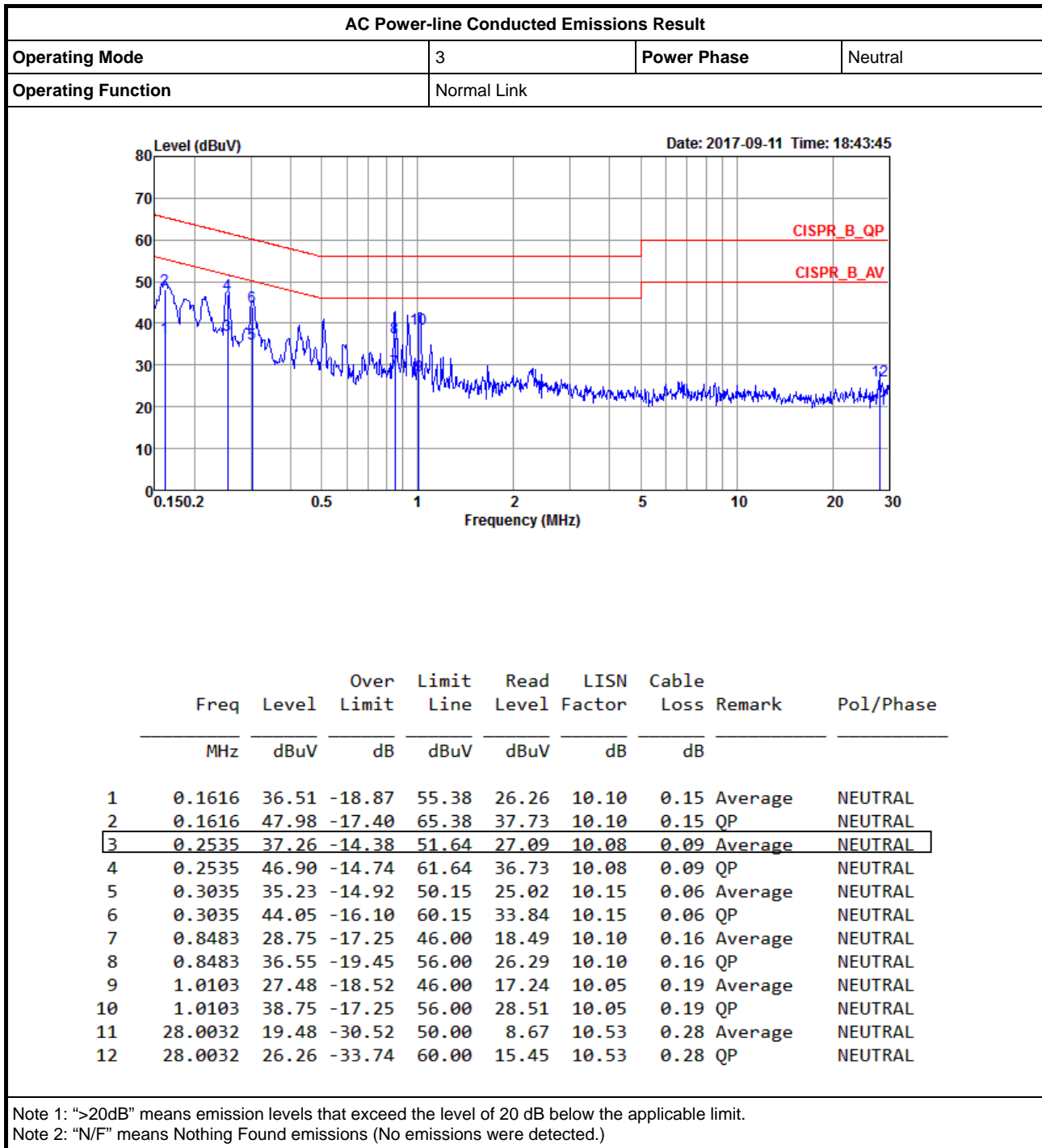
“\*” Calibration Interval of instruments listed above is two years.

N.C.R. means Non-Calibration required.



# AC Power-line Conducted Emissions Result

Appendix A

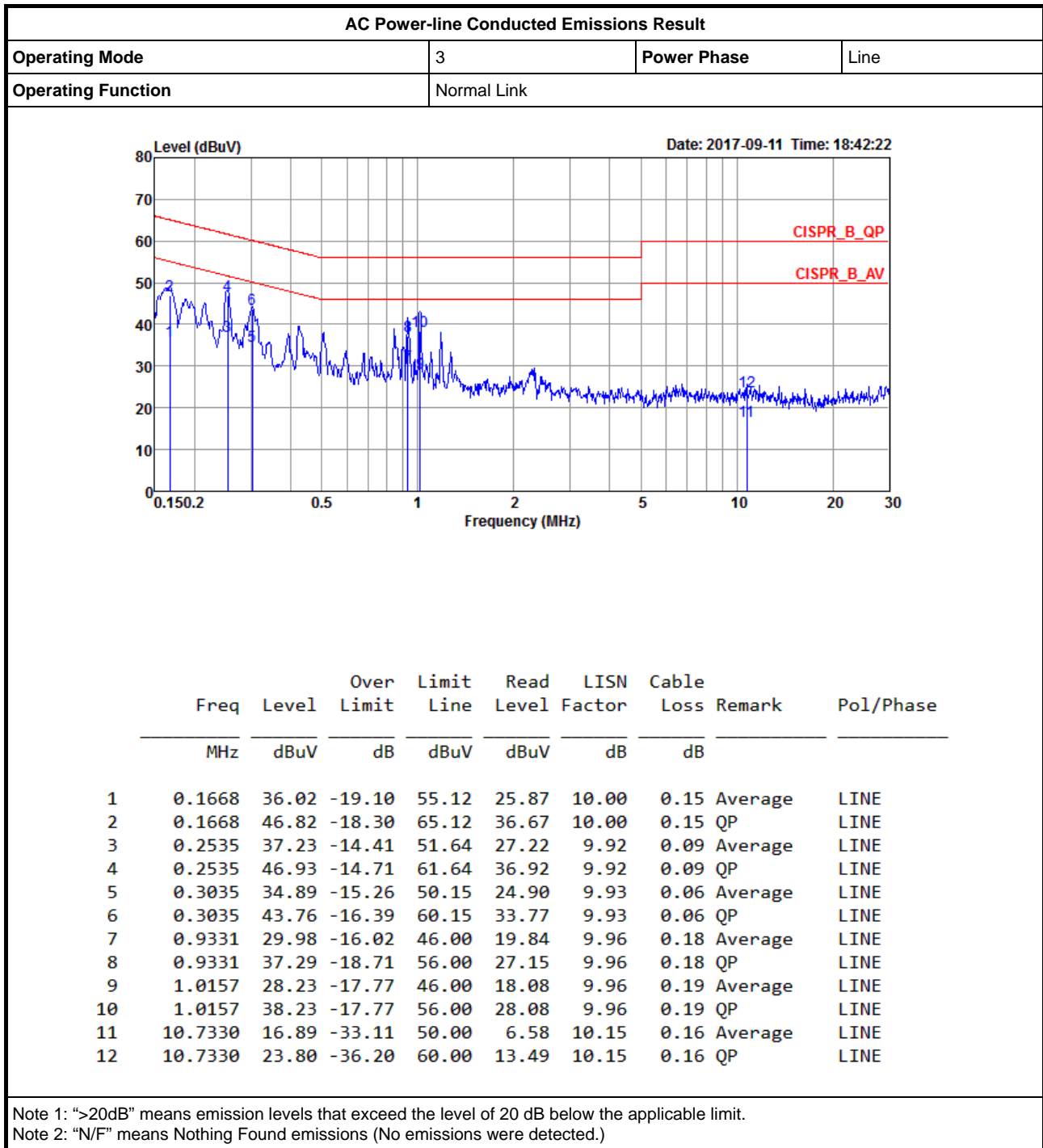






# AC Power-line Conducted Emissions Result

Appendix A





**Summary**

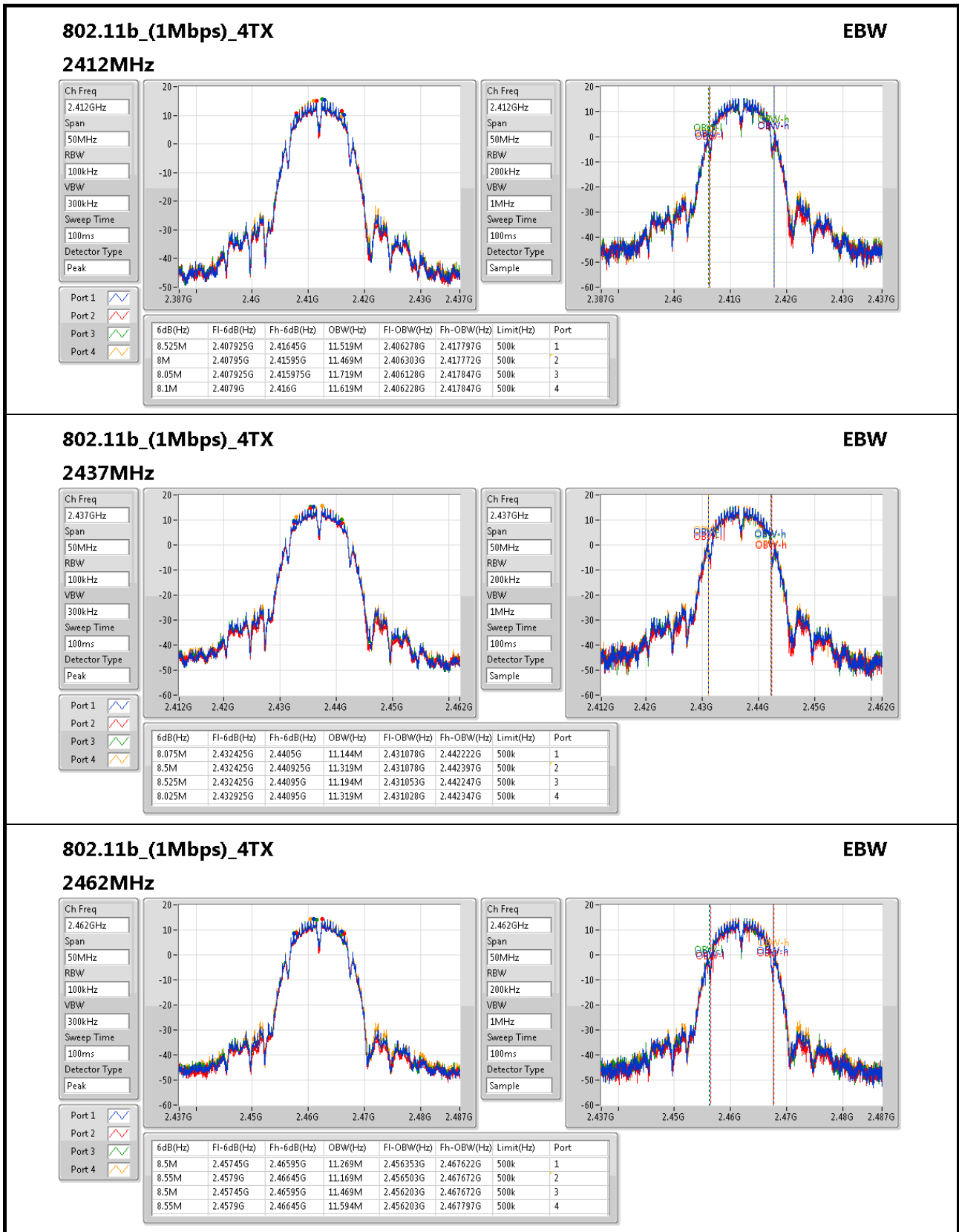
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11b_(1Mbps)_4TX	-	-	-	-	-
2.4-2.4835GHz	8.55M	11.719M	11M7G1D	8M	11.144M
802.11g_(6Mbps)_4TX	-	-	-	-	-
2.4-2.4835GHz	16.35M	16.817M	16M8D1D	15.675M	16.517M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	17.6M	17.816M	17M8D1D	16.925M	17.691M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	35.75M	36.282M	36M3D1D	35.1M	35.882M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	17.55M	18.216M	18M2D1D	15.075M	17.641M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-
2.4-2.4835GHz	35.8M	36.382M	36M4D1D	28.75M	35.682M

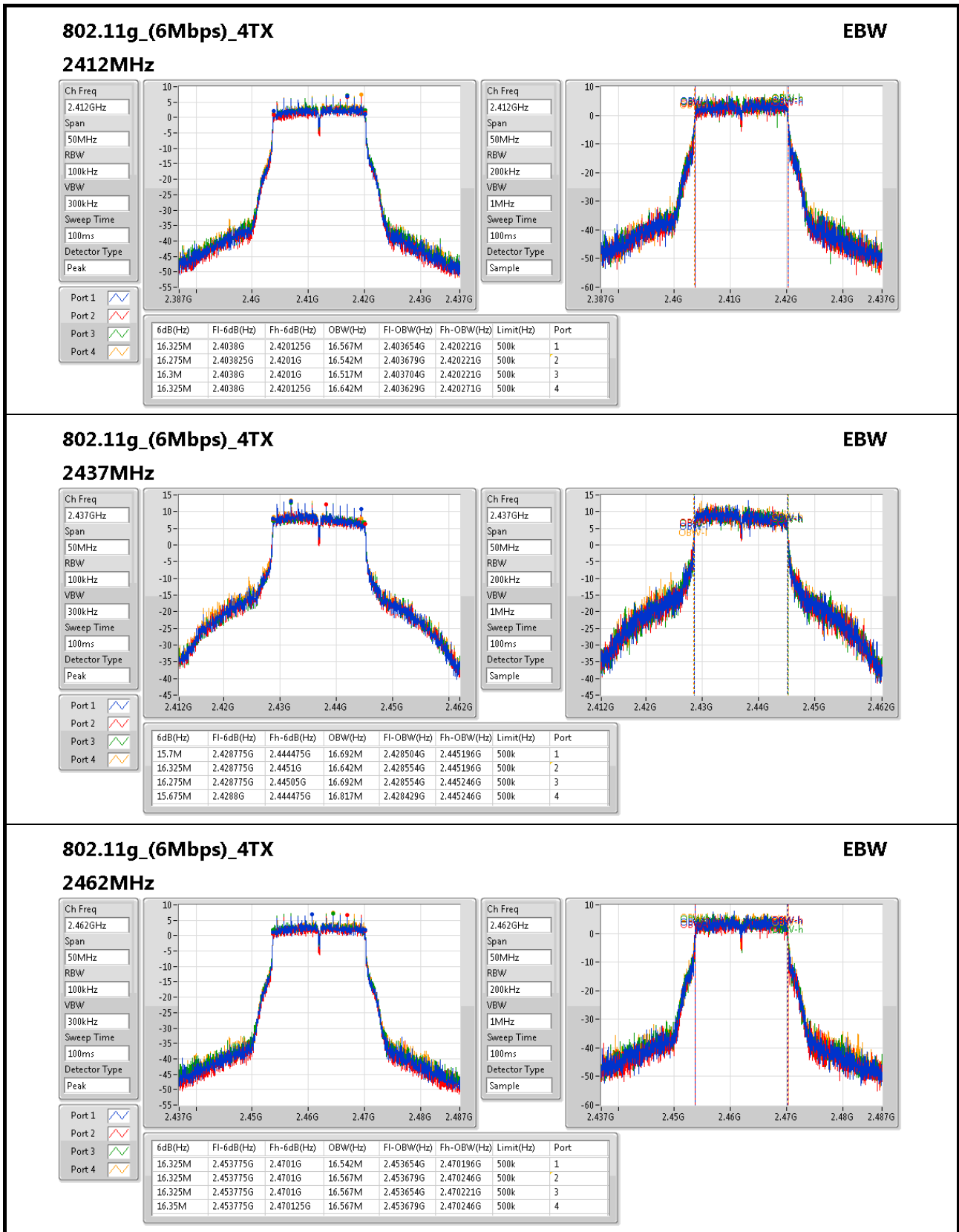
**Max-N dB** = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;  
**Min-N dB** = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

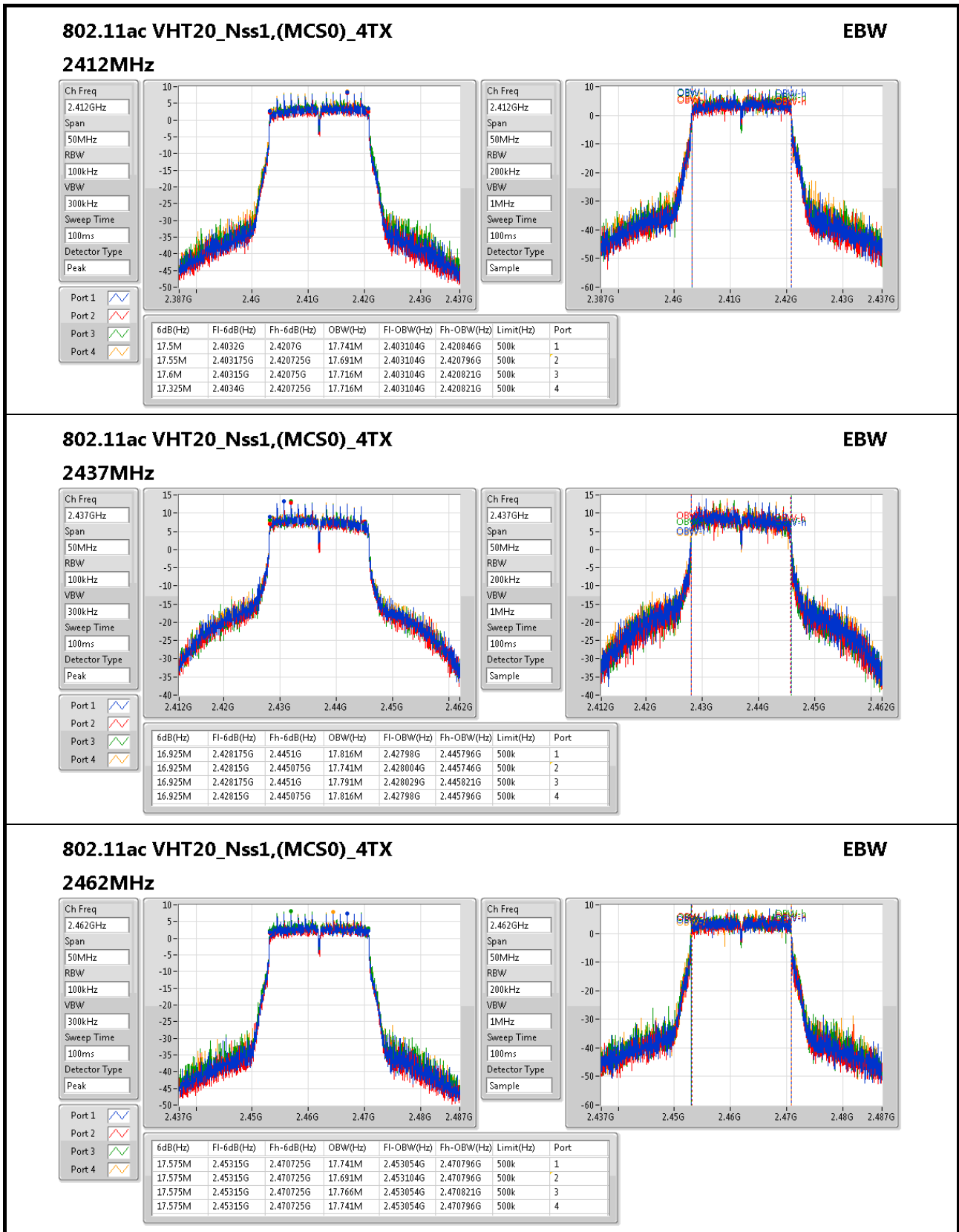
**Result**

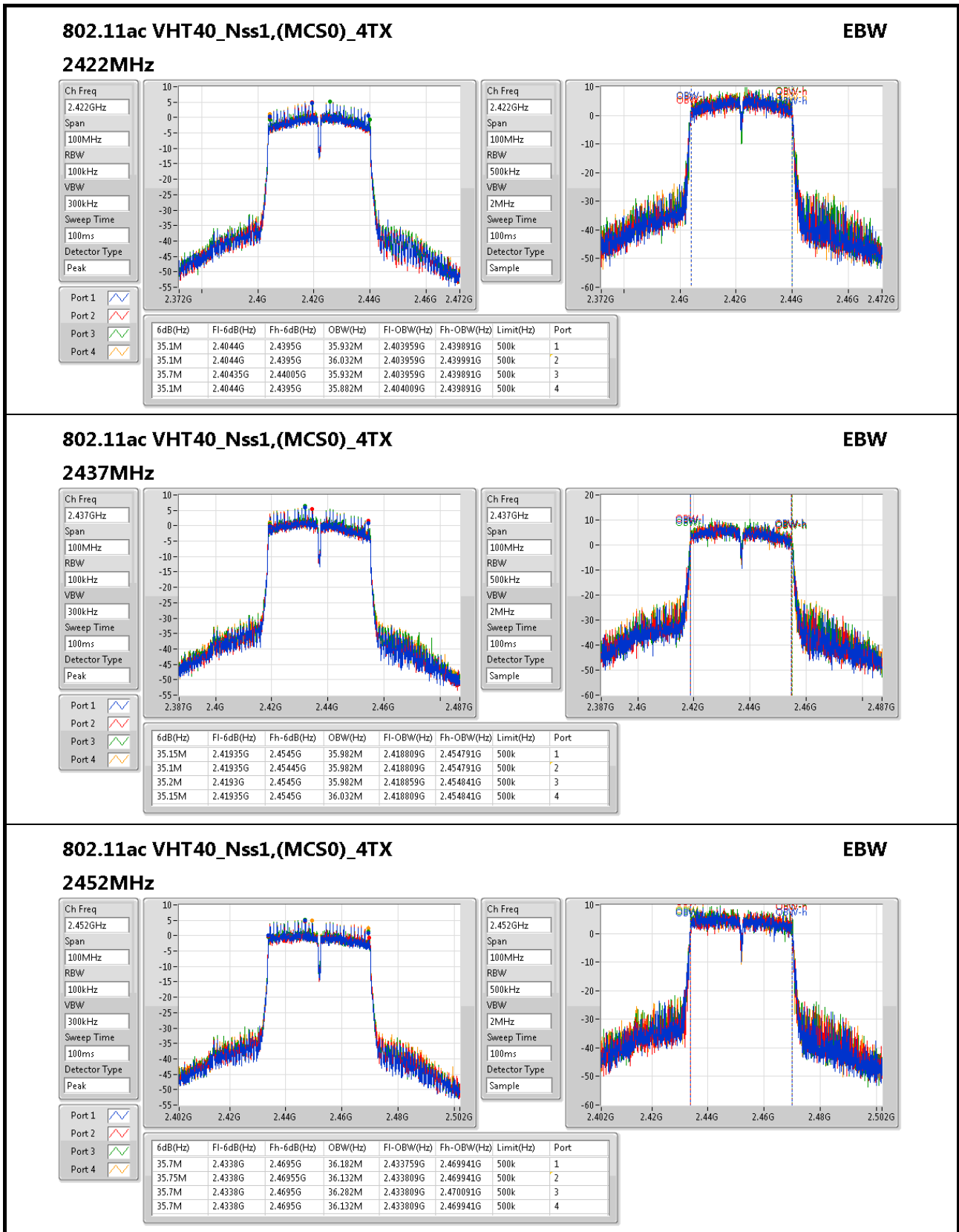
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.525M	11.519M	8M	11.469M	8.05M	11.719M	8.1M	11.619M
2437MHz	Pass	500k	8.075M	11.144M	8.5M	11.319M	8.525M	11.194M	8.025M	11.319M
2462MHz	Pass	500k	8.5M	11.269M	8.55M	11.169M	8.5M	11.469M	8.55M	11.594M
802.11g_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.275M	16.542M	16.3M	16.517M	16.325M	16.642M
2437MHz	Pass	500k	15.7M	16.692M	16.325M	16.642M	16.275M	16.692M	15.675M	16.817M
2462MHz	Pass	500k	16.325M	16.542M	16.325M	16.567M	16.325M	16.567M	16.35M	16.567M
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.5M	17.741M	17.55M	17.691M	17.6M	17.716M	17.325M	17.716M
2437MHz	Pass	500k	16.925M	17.816M	16.925M	17.741M	16.925M	17.791M	16.925M	17.816M
2462MHz	Pass	500k	17.575M	17.741M	17.575M	17.691M	17.575M	17.766M	17.575M	17.741M
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.1M	35.932M	35.1M	36.032M	35.7M	35.932M	35.1M	35.882M
2437MHz	Pass	500k	35.15M	35.982M	35.1M	35.982M	35.2M	35.982M	35.15M	36.032M
2452MHz	Pass	500k	35.7M	36.182M	35.75M	36.132M	35.7M	36.282M	35.7M	36.132M
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.891M	15.6M	17.641M	17.175M	17.716M	16.3M	17.691M
2437MHz	Pass	500k	16.05M	17.841M	17.2M	18.216M	15.075M	18.016M	15.9M	17.841M
2462MHz	Pass	500k	16.475M	17.691M	17.15M	17.791M	16.65M	17.691M	16.325M	17.691M
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	28.8M	36.032M	28.75M	35.732M	29.15M	35.682M	34M	35.932M
2437MHz	Pass	500k	29.05M	35.932M	35.75M	36.282M	35.65M	35.832M	32.5M	36.032M
2452MHz	Pass	500k	32.5M	35.982M	35.8M	36.382M	32.75M	36.182M	30.05M	36.082M

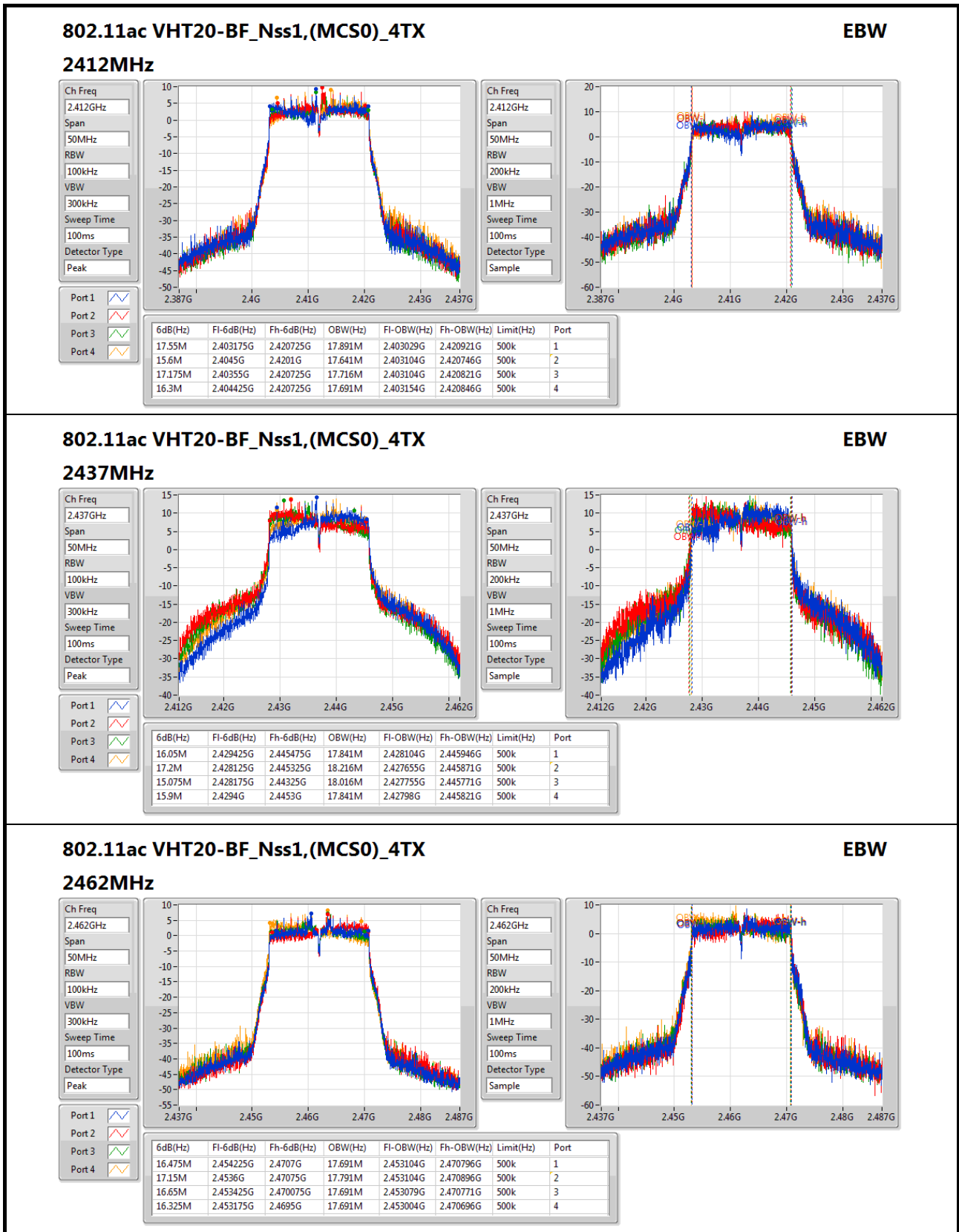
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;







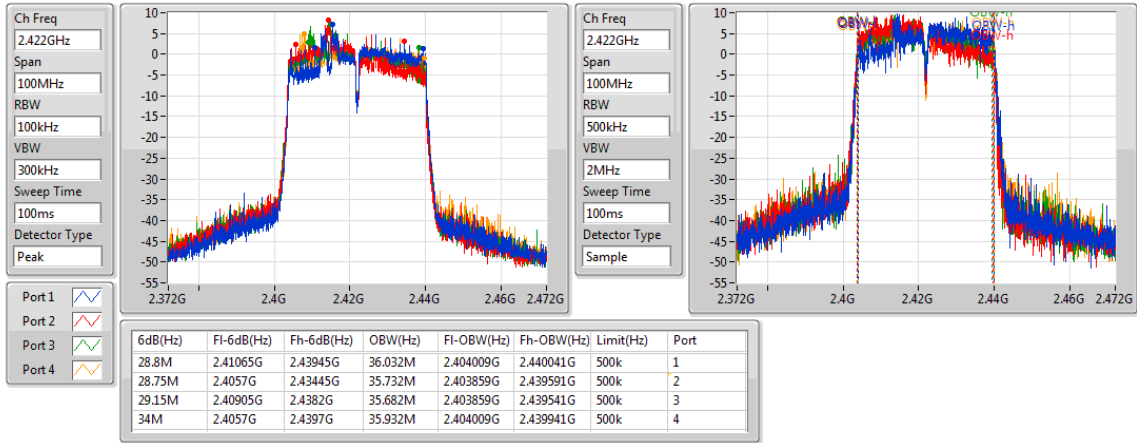




802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

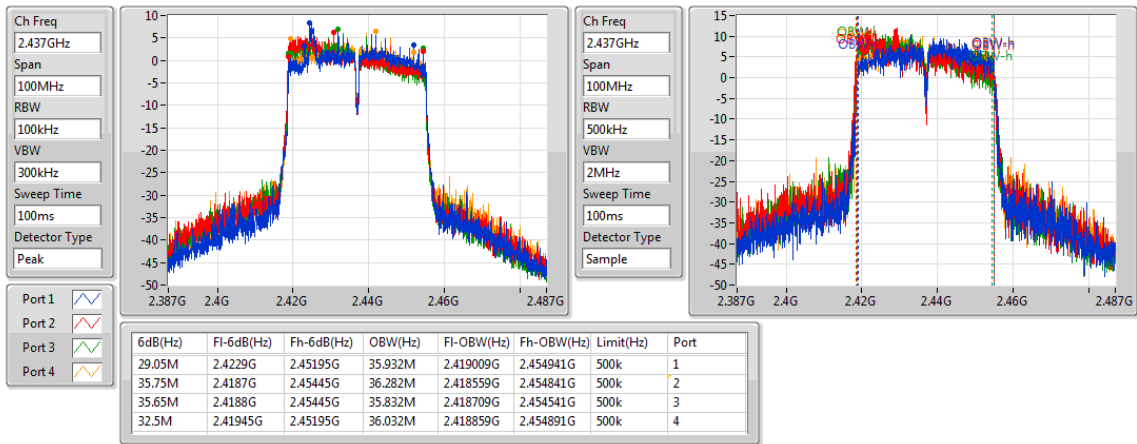
2422MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

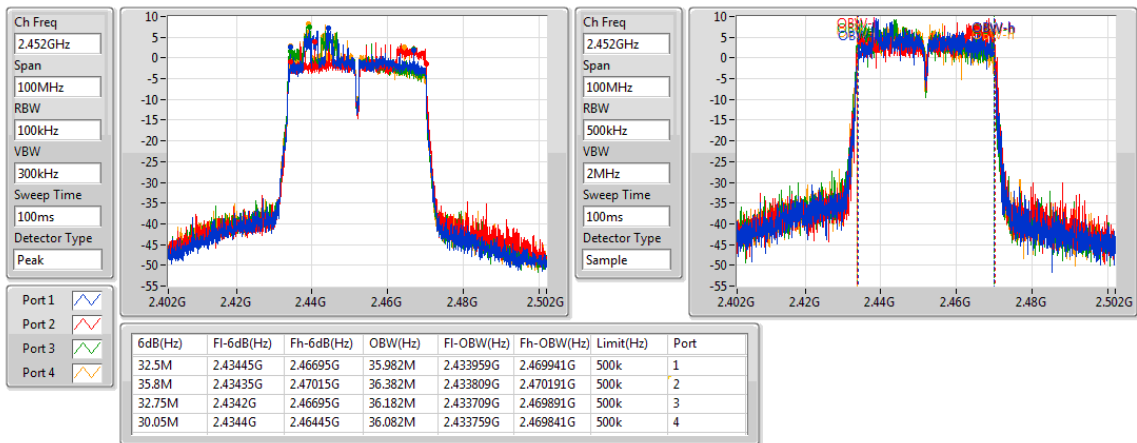
2437MHz



802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

EBW

2452MHz







Summary

Mode	Total Power (dBm)	Total Power (W)
802.11b_(1Mbps)_4TX	-	-
2.4-2.4835GHz	29.85	0.96605
802.11g_(6Mbps)_4TX	-	-
2.4-2.4835GHz	29.76	0.94624
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	29.62	0.91622
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	24.82	0.30339
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	29.69	0.93111
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-
2.4-2.4835GHz	25.07	0.32137

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.30	23.85	23.43	23.90	24.07	29.84	30.00
2437MHz	Pass	4.50	23.99	23.54	23.81	23.96	29.85	30.00
2462MHz	Pass	4.70	23.15	22.65	22.94	23.38	29.06	30.00
802.11g_(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.30	18.24	17.76	18.37	18.74	24.31	30.00
2437MHz	Pass	4.50	23.80	23.48	23.62	24.04	29.76	30.00
2462MHz	Pass	4.70	18.48	18.00	18.62	18.88	24.53	30.00
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	4.30	19.06	18.81	19.37	19.20	25.14	30.00
2437MHz	Pass	4.50	23.65	23.28	23.58	23.86	29.62	30.00
2462MHz	Pass	4.70	19.00	18.45	19.22	19.23	25.01	30.00
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	4.30	17.83	17.81	18.14	18.28	24.04	30.00
2437MHz	Pass	4.50	18.60	18.72	18.61	19.22	24.82	30.00
2452MHz	Pass	4.50	18.24	18.12	18.51	18.68	24.41	30.00
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.70	18.19	18.30	18.25	18.61	24.36	30.00
2437MHz	Pass	6.30	23.54	23.79	23.51	23.84	29.69	29.70
2462MHz	Pass	6.40	17.05	17.59	17.17	17.13	23.26	29.60
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.90	16.70	17.34	17.36	17.49	23.25	30.00
2437MHz	Pass	6.30	18.89	19.20	19.04	19.07	25.07	29.70
2452MHz	Pass	6.40	16.68	17.24	17.29	17.21	23.13	29.60

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



Summary

Mode	PD (dBm/RBW)
802.11b_(1Mbps)_4TX	-
2.4-2.4835GHz	4.20
802.11g_(6Mbps)_4TX	-
2.4-2.4835GHz	3.04
802.11ac VHT20_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	1.49
802.11ac VHT40_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	-5.25
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	2.04
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-
2.4-2.4835GHz	-2.47

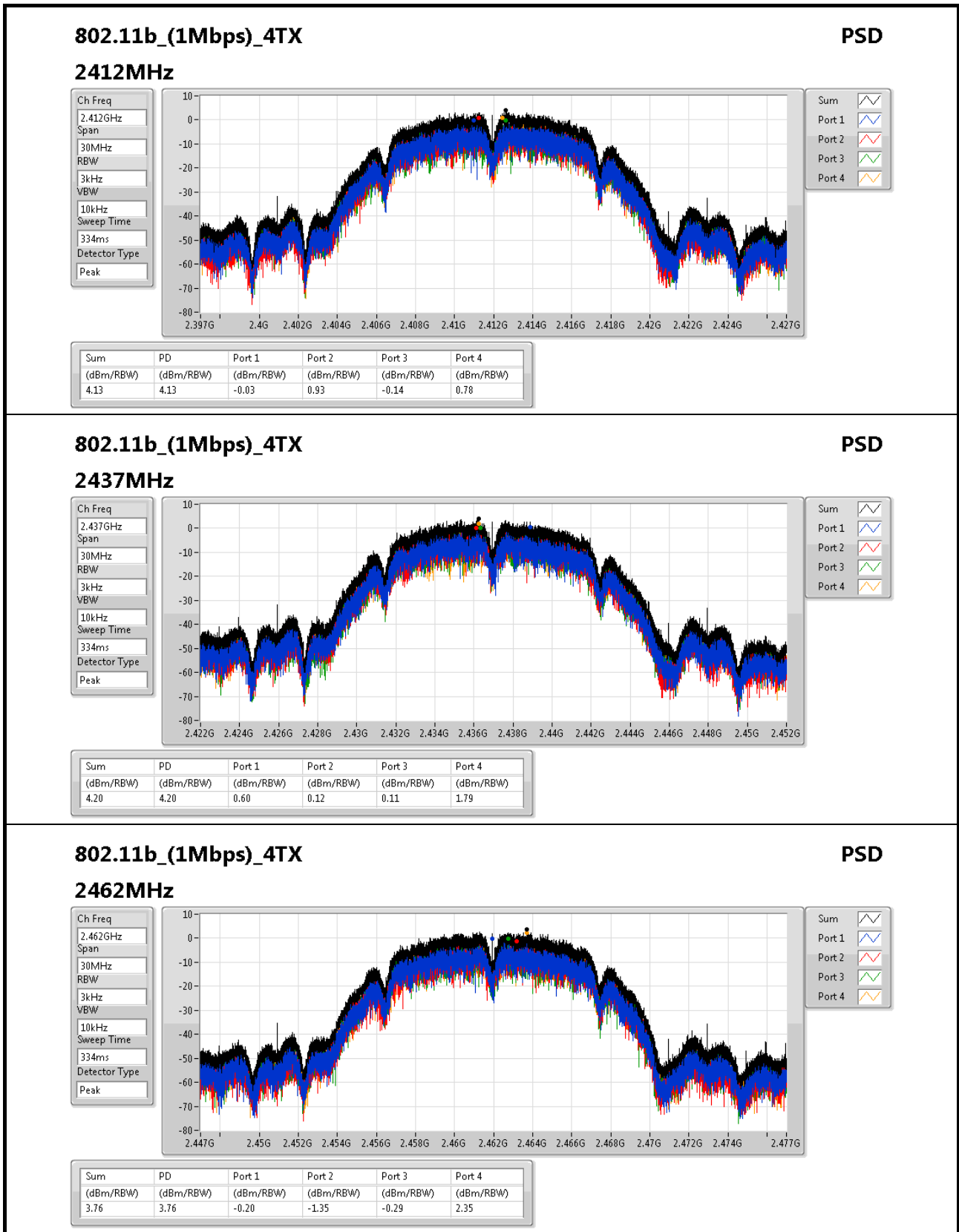
RBW=3kHz.

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.70	-0.03	0.93	-0.14	0.78	4.13	8.00
2437MHz	Pass	6.30	0.60	0.12	0.11	1.79	4.20	7.70
2462MHz	Pass	6.40	-0.20	-1.35	-0.29	2.35	3.76	7.60
802.11g_(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.70	-5.31	-8.58	-7.88	-6.79	-2.89	8.00
2437MHz	Pass	6.30	-0.67	-2.81	-0.99	-0.36	3.04	7.70
2462MHz	Pass	6.40	-5.93	-8.01	-6.74	-6.81	-2.02	7.60
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.70	-6.44	-7.54	-7.47	-6.68	-2.89	8.00
2437MHz	Pass	6.30	-1.37	-2.86	-2.17	-1.39	1.49	7.70
2462MHz	Pass	6.40	-5.74	-7.10	-6.87	-7.26	-2.86	7.60
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.90	-10.44	-9.91	-10.33	-9.99	-6.08	8.00
2437MHz	Pass	6.30	-9.00	-9.19	-8.48	-9.17	-5.25	7.70
2452MHz	Pass	6.40	-10.48	-10.20	-9.56	-8.37	-5.90	7.60
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.70	-5.24	-6.48	-5.16	-5.44	-2.22	8.00
2437MHz	Pass	6.30	-0.79	-0.81	-0.48	-0.50	2.04	7.70
2462MHz	Pass	6.40	-7.96	-6.99	-6.42	-6.04	-3.68	7.60
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.90	-9.04	-8.65	-5.95	-8.03	-5.23	8.00
2437MHz	Pass	6.30	-5.38	-3.17	-6.15	-5.30	-2.47	7.70
2452MHz	Pass	6.40	-8.84	-7.06	-6.64	-6.94	-5.49	7.60

DG = Directional Gain; RBW=3kHz;

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


**802.11b\_(1Mbps)\_4TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

Detector Type  
Peak

Sum

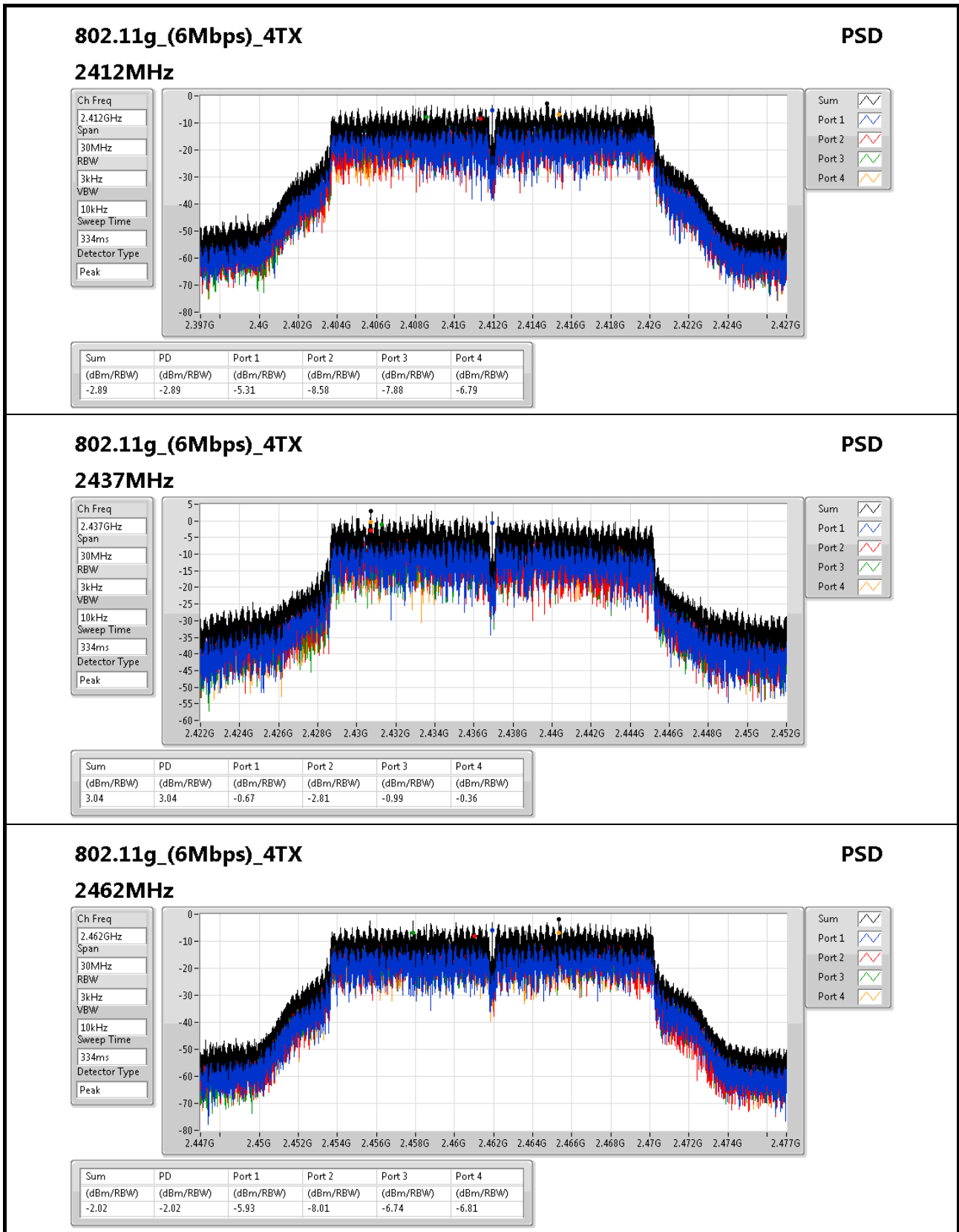
Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.76	3.76	-0.20	-1.35	-0.29	2.35


**802.11g\_(6Mbps)\_4TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

Detector Type  
Peak

Sum

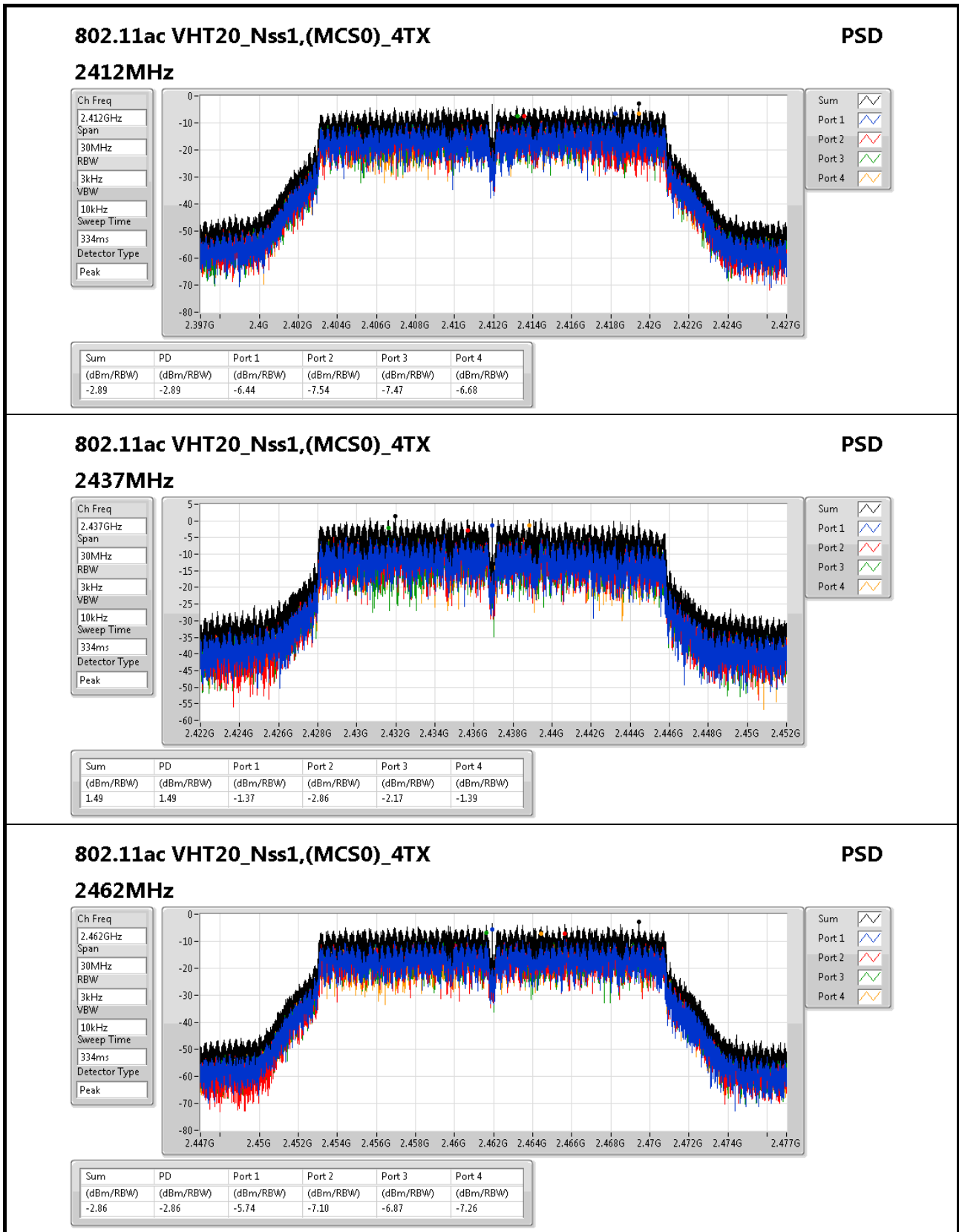
Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.02	-2.02	-5.93	-8.01	-6.74	-6.81


**802.11ac VHT20\_Nss1,(MCS0)\_4TX**
**PSD**

**2462MHz**

Ch Freq  
2.462GHz

Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
334ms

Detector Type  
Peak

Sum

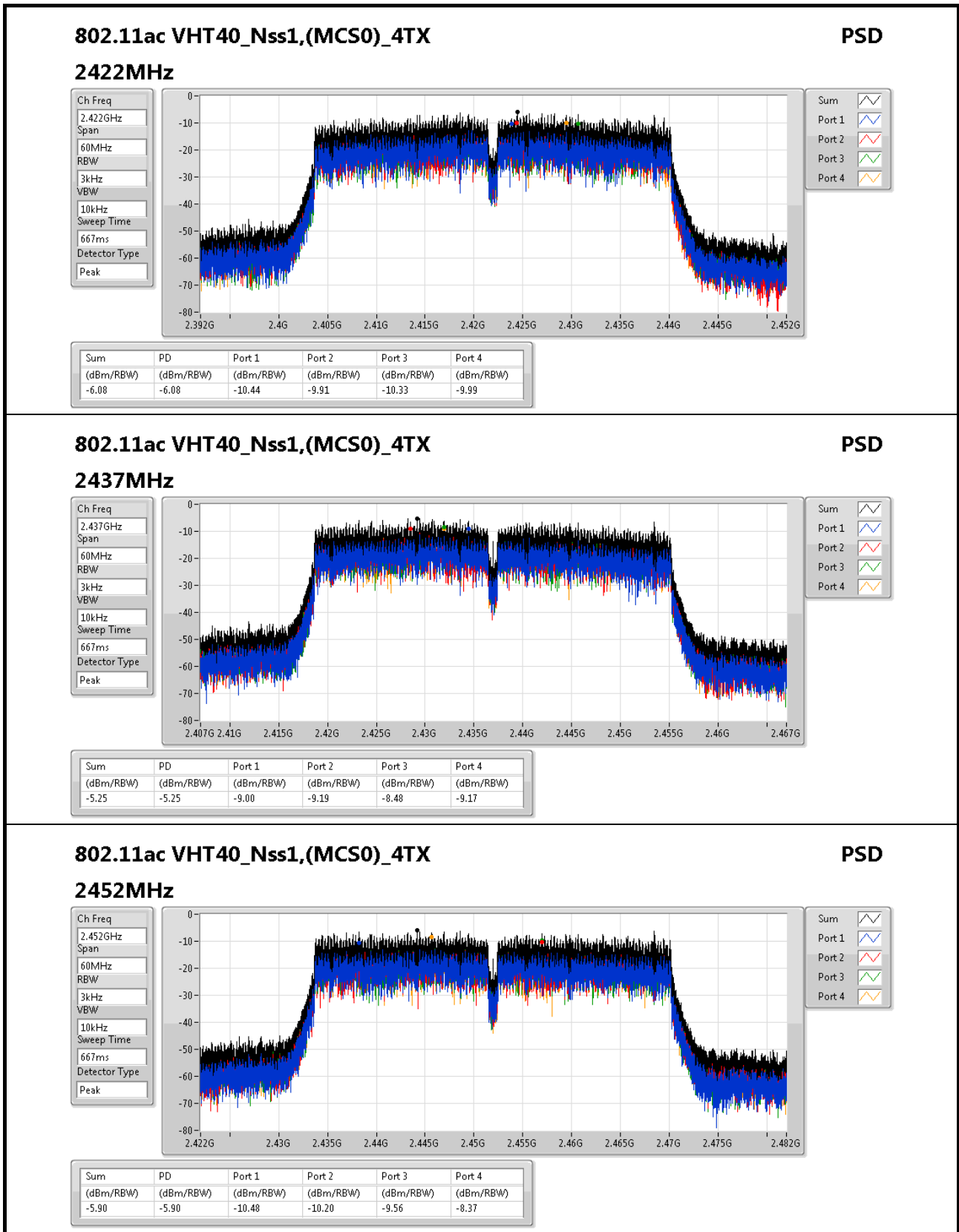
Port 1

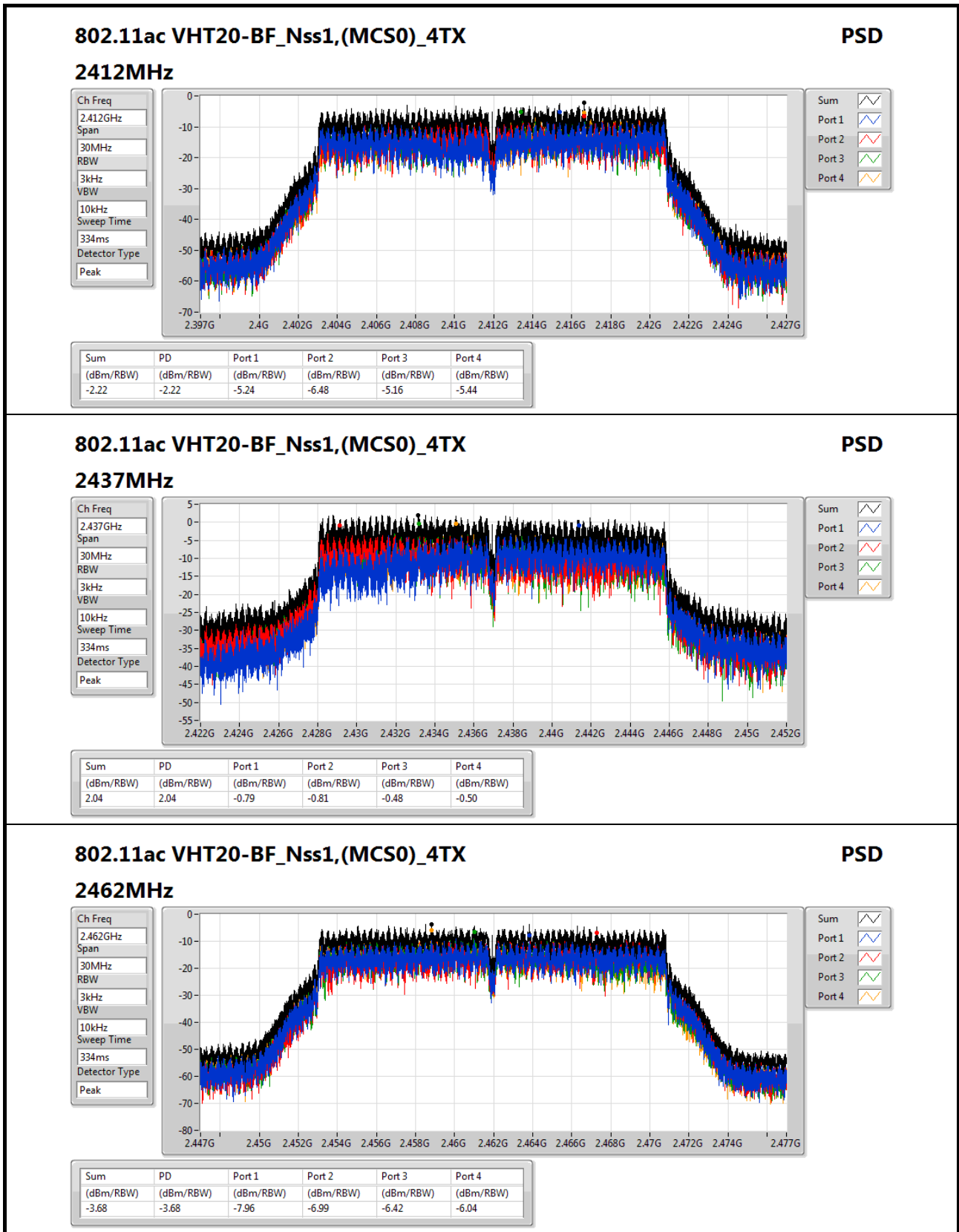
Port 2

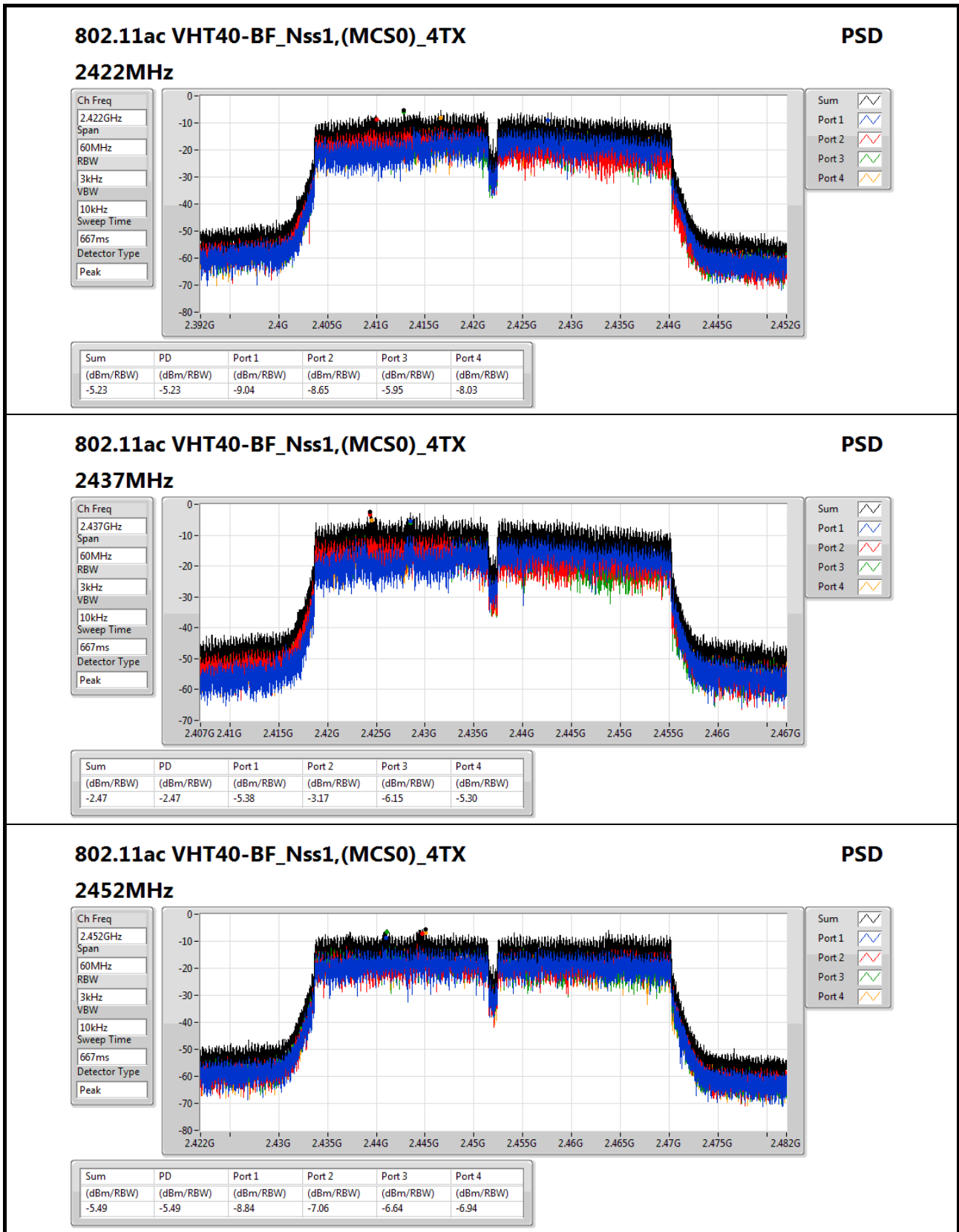
Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.86	-2.86	-5.74	-7.10	-6.87	-7.26











Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	2.431897G	6.14	-23.86	2.07497G	-62.21	2.39696G	-32.55	2.48766G	-54.62	24.354951G	-53.66	3

Result

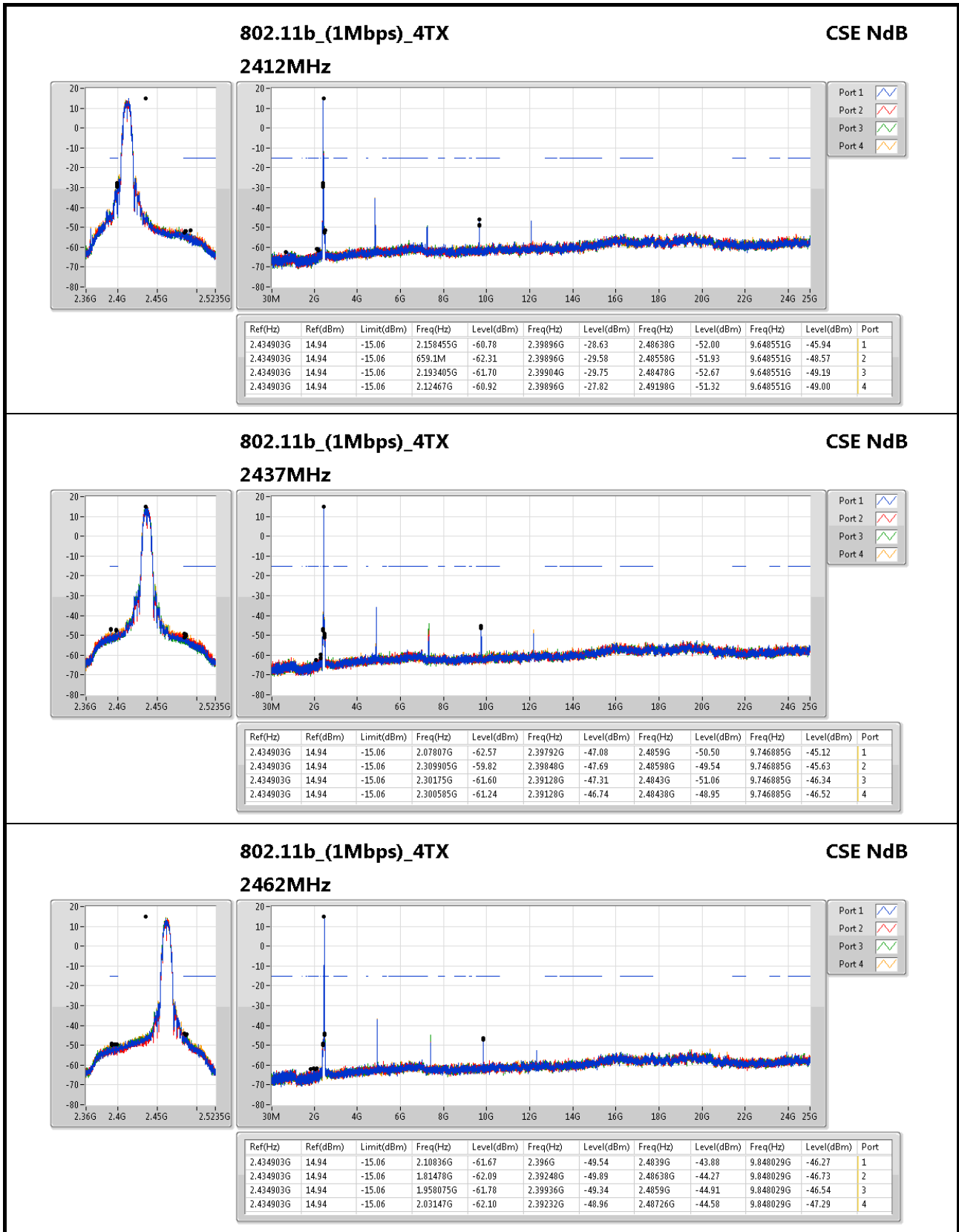
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.434903G	14.94	-15.06	2.158455G	-60.78	2.39896G	-28.63	2.48638G	-52.00	9.648551G	-45.94	1
2412MHz	Pass	2.434903G	14.94	-15.06	659.1M	-62.31	2.39896G	-29.58	2.48558G	-51.93	9.648551G	-48.57	2
2412MHz	Pass	2.434903G	14.94	-15.06	2.193405G	-61.70	2.39904G	-29.75	2.48478G	-52.67	9.648551G	-49.19	3
2412MHz	Pass	2.434903G	14.94	-15.06	2.12467G	-60.92	2.39896G	-27.82	2.49198G	-51.32	9.648551G	-49.00	4
2437MHz	Pass	2.434903G	14.94	-15.06	2.07807G	-62.57	2.39792G	-47.08	2.4859G	-50.50	9.746885G	-45.12	1
2437MHz	Pass	2.434903G	14.94	-15.06	2.309905G	-59.82	2.39848G	-47.69	2.48598G	-49.54	9.746885G	-45.63	2
2437MHz	Pass	2.434903G	14.94	-15.06	2.30175G	-61.60	2.39128G	-47.31	2.4843G	-51.06	9.746885G	-46.34	3
2437MHz	Pass	2.434903G	14.94	-15.06	2.300585G	-61.24	2.39128G	-46.74	2.48438G	-48.95	9.746885G	-46.52	4
2462MHz	Pass	2.434903G	14.94	-15.06	2.10836G	-61.67	2.396G	-49.54	2.4839G	-43.88	9.848029G	-46.27	1
2462MHz	Pass	2.434903G	14.94	-15.06	1.81478G	-62.09	2.39248G	-49.89	2.48638G	-44.27	9.848029G	-46.73	2
2462MHz	Pass	2.434903G	14.94	-15.06	1.958075G	-61.78	2.39936G	-49.34	2.4859G	-44.91	9.848029G	-46.54	3
2462MHz	Pass	2.434903G	14.94	-15.06	2.03147G	-62.10	2.39232G	-48.96	2.48726G	-44.58	9.848029G	-47.29	4
802.11g_(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	13.69	-16.31	1.972055G	-61.07	2.39672G	-34.10	2.4871G	-56.36	24.966285G	-54.02	1
2412MHz	Pass	2.430728G	13.69	-16.31	1.948755G	-62.47	2.39936G	-34.91	2.4839G	-54.59	17.695138G	-53.39	2
2412MHz	Pass	2.430728G	13.69	-16.31	1.9872G	-62.46	2.39976G	-33.73	2.48398G	-55.77	17.675471G	-53.94	3
2412MHz	Pass	2.430728G	13.69	-16.31	2.16195G	-61.30	2.39952G	-33.21	2.48374G	-54.82	16.470168G	-54.21	4
2437MHz	Pass	2.430728G	13.69	-16.31	1.983705G	-61.28	2.39816G	-40.31	2.48534G	-47.68	17.675471G	-52.53	1
2437MHz	Pass	2.430728G	13.69	-16.31	1.979045G	-62.54	2.39904G	-41.03	2.48638G	-47.12	17.667042G	-54.01	2
2437MHz	Pass	2.430728G	13.69	-16.31	2.06875G	-61.73	2.3992G	-40.63	2.48718G	-45.80	17.622089G	-53.96	3
2437MHz	Pass	2.430728G	13.69	-16.31	2.095545G	-60.98	2.39976G	-39.49	2.4871G	-45.68	17.661423G	-52.76	4
2462MHz	Pass	2.430728G	13.69	-16.31	699.875M	-61.87	2.3988G	-52.14	2.48382G	-44.09	16.45893G	-53.67	1
2462MHz	Pass	2.430728G	13.69	-16.31	2.053605G	-61.67	2.39792G	-51.41	2.48382G	-44.97	17.48442G	-53.89	2
2462MHz	Pass	2.430728G	13.69	-16.31	2.01982G	-61.97	2.3988G	-51.23	2.48438G	-42.56	24.334134G	-53.75	3
2462MHz	Pass	2.430728G	13.69	-16.31	2.30408G	-61.18	2.39136G	-51.27	2.48382G	-42.63	16.304404G	-53.49	4
802.11ac VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.430728G	13.19	-16.81	766.28M	-61.23	2.3996G	-29.49	2.48606G	-55.29	16.239784G	-53.74	1
2412MHz	Pass	2.430728G	13.19	-16.81	2.030305G	-61.14	2.39976G	-30.00	2.4843G	-56.68	17.402943G	-53.62	2
2412MHz	Pass	2.430728G	13.19	-16.81	2.186415G	-62.27	2.39984G	-27.34	2.48422G	-55.43	16.388691G	-53.72	3
2412MHz	Pass	2.430728G	13.19	-16.81	528.62M	-62.41	2.39928G	-30.01	2.4839G	-52.74	17.349561G	-52.76	4
2437MHz	Pass	2.430728G	13.19	-16.81	682.4M	-61.73	2.39448G	-39.22	2.4863G	-45.41	15.253628G	-53.32	1
2437MHz	Pass	2.430728G	13.19	-16.81	2.0105G	-61.71	2.39824G	-38.78	2.4851G	-46.25	17.67828G	-52.96	2
2437MHz	Pass	2.430728G	13.19	-16.81	2.095545G	-61.11	2.39888G	-38.26	2.48406G	-45.75	17.683899G	-54.03	3
2437MHz	Pass	2.430728G	13.19	-16.81	2.307575G	-62.01	2.39936G	-39.33	2.48438G	-46.25	24.988762G	-53.69	4
2462MHz	Pass	2.430728G	13.19	-16.81	2.302915G	-61.50	2.39984G	-50.78	2.48406G	-39.46	17.675471G	-53.13	1
2462MHz	Pass	2.430728G	13.19	-16.81	2.307575G	-61.78	2.39656G	-52.56	2.48406G	-37.73	24.735901G	-54.12	2
2462MHz	Pass	2.430728G	13.19	-16.81	2.121175G	-62.64	2.3976G	-52.37	2.48406G	-39.70	24.432468G	-53.50	3
2462MHz	Pass	2.430728G	13.19	-16.81	2.030305G	-61.75	2.39984G	-51.40	2.48358G	-38.46	16.225736G	-53.97	4
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.431897G	6.14	-23.86	758.22M	-62.32	2.39712G	-33.46	2.48382G	-53.45	17.680092G	-53.92	1
2422MHz	Pass	2.431897G	6.14	-23.86	923.1M	-62.10	2.39696G	-33.26	2.48606G	-54.89	17.321108G	-53.60	2

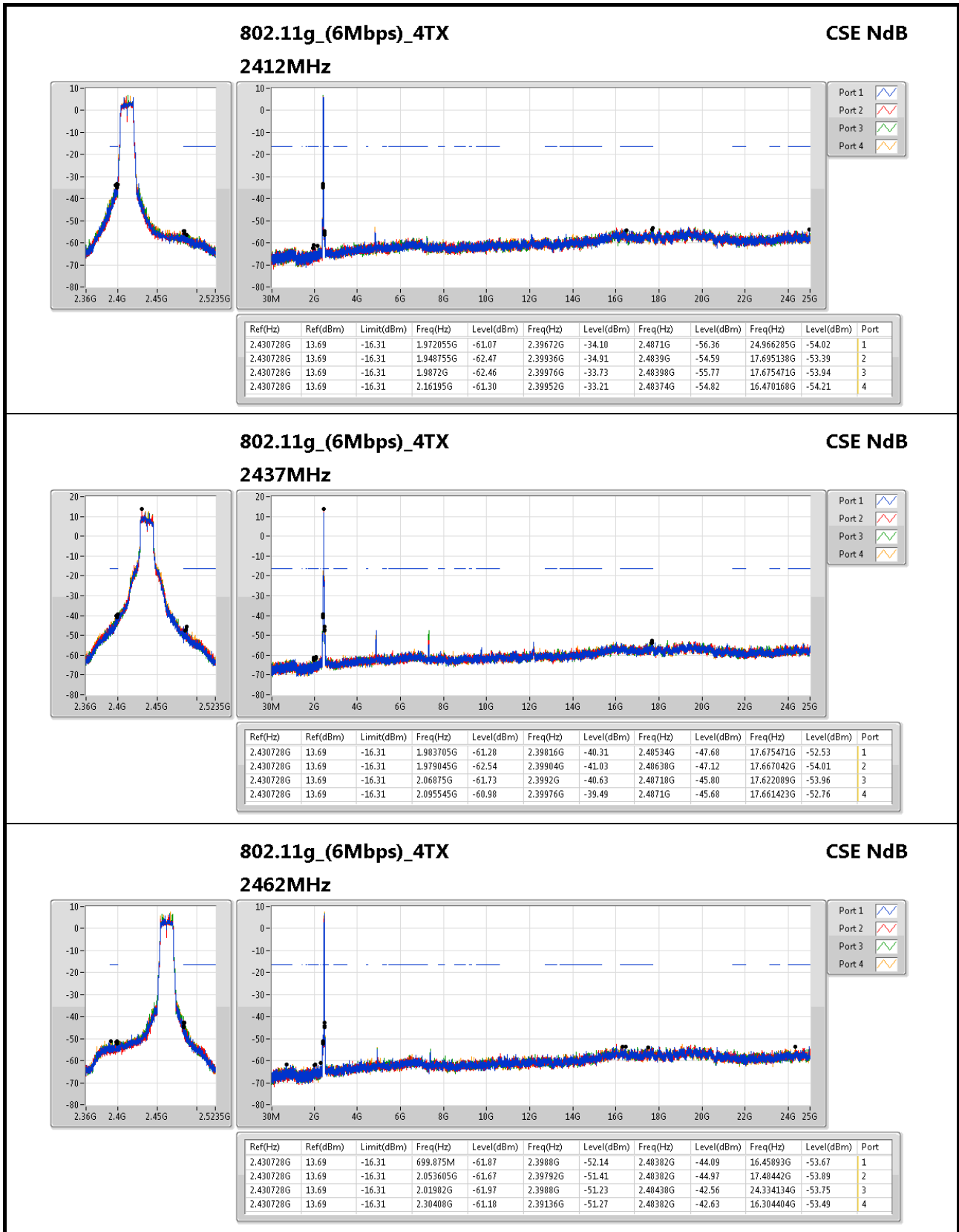


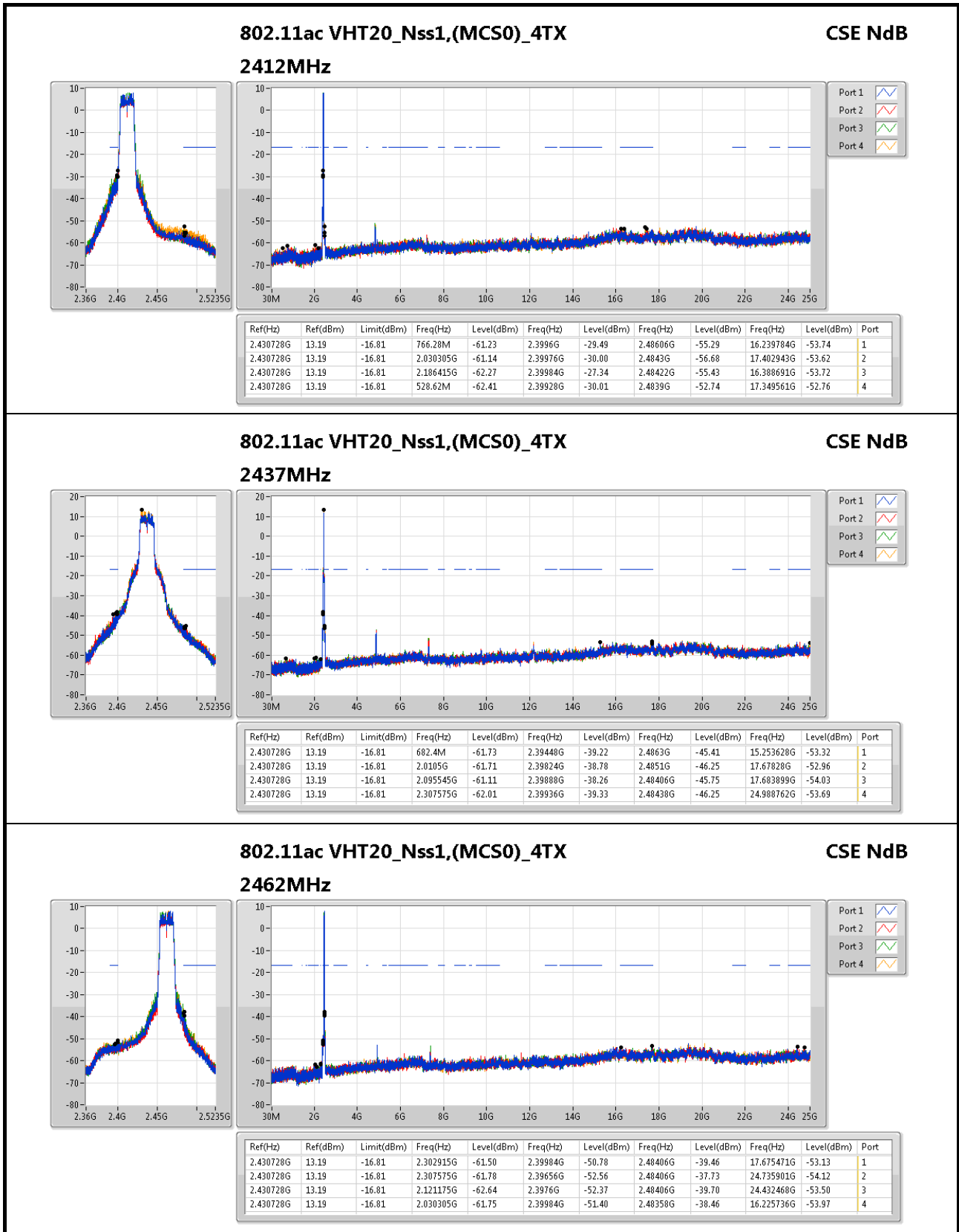
**CSE Non-restricted Band Result**

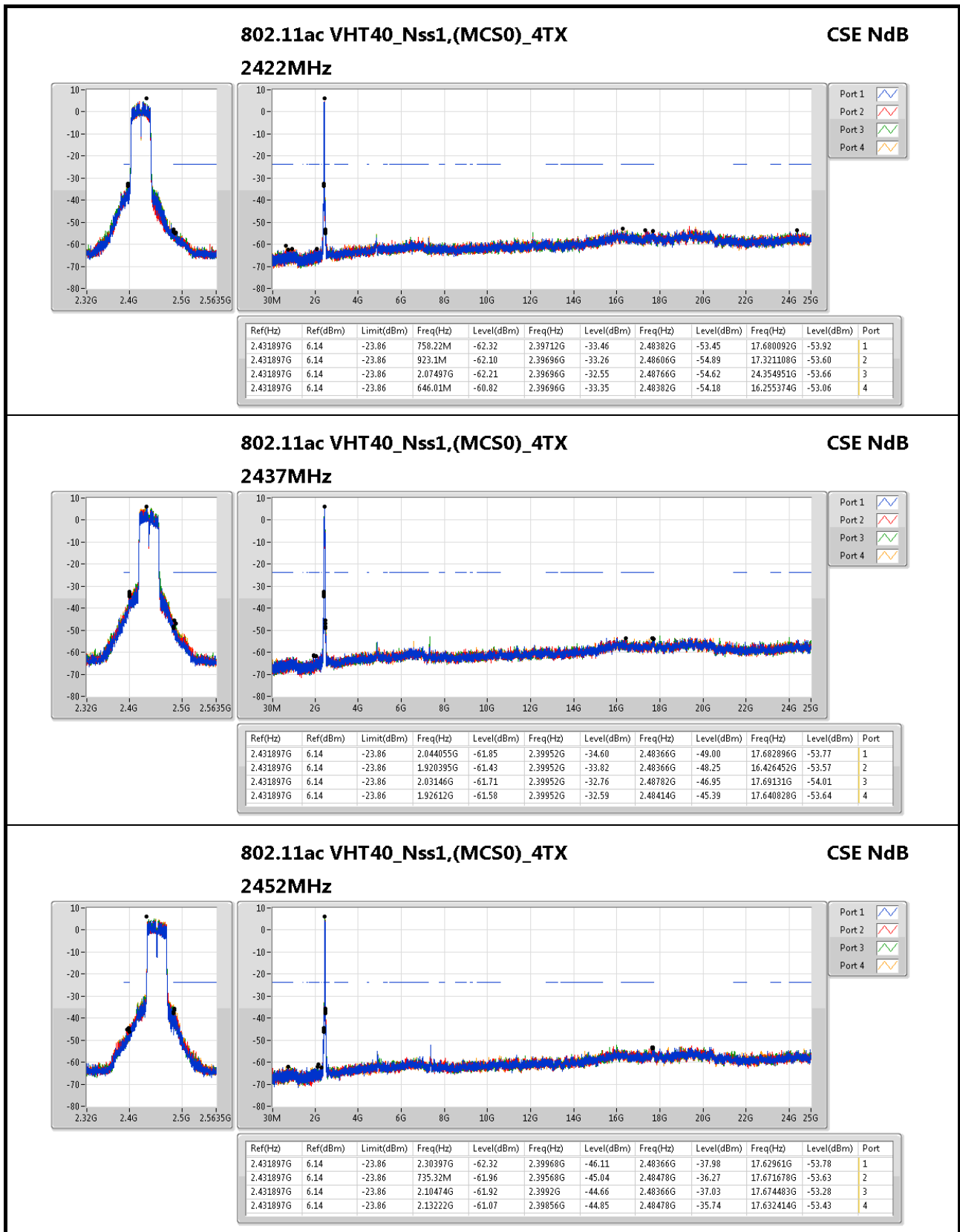
**Appendix E**

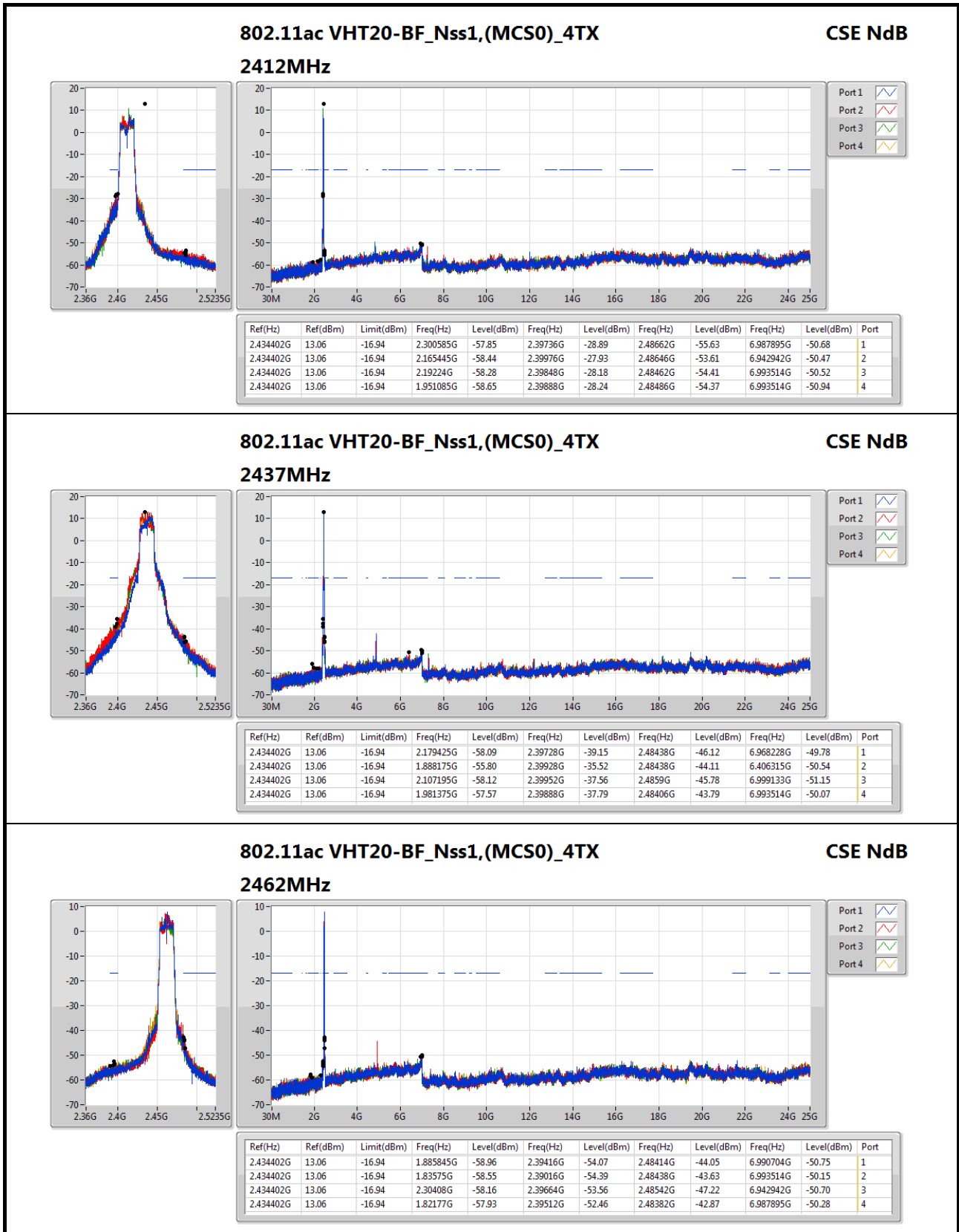
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2422MHz	Pass	2.431897G	6.14	-23.86	2.07497G	-62.21	2.39696G	-32.55	2.48766G	-54.62	24.354951G	-53.66	3
2422MHz	Pass	2.431897G	6.14	-23.86	646.01M	-60.82	2.39696G	-33.35	2.48382G	-54.18	16.255374G	-53.06	4
2437MHz	Pass	2.431897G	6.14	-23.86	2.044055G	-61.85	2.39952G	-34.60	2.48366G	-49.00	17.682896G	-53.77	1
2437MHz	Pass	2.431897G	6.14	-23.86	1.920395G	-61.43	2.39952G	-33.82	2.48366G	-48.25	16.426452G	-53.57	2
2437MHz	Pass	2.431897G	6.14	-23.86	2.03146G	-61.71	2.39952G	-32.76	2.48782G	-46.95	17.69131G	-54.01	3
2437MHz	Pass	2.431897G	6.14	-23.86	1.92612G	-61.58	2.39952G	-32.59	2.48414G	-45.39	17.640828G	-53.64	4
2452MHz	Pass	2.431897G	6.14	-23.86	2.30397G	-62.32	2.39968G	-46.11	2.48366G	-37.98	17.62961G	-53.78	1
2452MHz	Pass	2.431897G	6.14	-23.86	735.32M	-61.96	2.39568G	-45.04	2.48478G	-36.27	17.671678G	-53.63	2
2452MHz	Pass	2.431897G	6.14	-23.86	2.10474G	-61.92	2.3992G	-44.66	2.48366G	-37.03	17.674483G	-53.28	3
2452MHz	Pass	2.431897G	6.14	-23.86	2.13222G	-61.07	2.39856G	-44.85	2.48478G	-35.74	17.632414G	-53.43	4
802.11ac VHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.434402G	13.06	-16.94	2.300585G	-57.85	2.39736G	-28.89	2.48662G	-55.63	6.987895G	-50.68	1
2412MHz	Pass	2.434402G	13.06	-16.94	2.165445G	-58.44	2.39976G	-27.93	2.48646G	-53.61	6.942942G	-50.47	2
2412MHz	Pass	2.434402G	13.06	-16.94	2.19224G	-58.28	2.39848G	-28.18	2.48462G	-54.41	6.993514G	-50.52	3
2412MHz	Pass	2.434402G	13.06	-16.94	1.951085G	-58.65	2.39888G	-28.24	2.48486G	-54.37	6.993514G	-50.94	4
2437MHz	Pass	2.434402G	13.06	-16.94	2.179425G	-58.09	2.39728G	-39.15	2.48438G	-46.12	6.968228G	-49.78	1
2437MHz	Pass	2.434402G	13.06	-16.94	1.888175G	-55.80	2.39928G	-35.52	2.48438G	-44.11	6.406315G	-50.54	2
2437MHz	Pass	2.434402G	13.06	-16.94	2.107195G	-58.12	2.39952G	-37.56	2.4859G	-45.78	6.999133G	-51.15	3
2437MHz	Pass	2.434402G	13.06	-16.94	1.981375G	-57.57	2.39888G	-37.79	2.48406G	-43.79	6.993514G	-50.07	4
2462MHz	Pass	2.434402G	13.06	-16.94	1.885845G	-58.96	2.39416G	-54.07	2.48414G	-44.05	6.990704G	-50.75	1
2462MHz	Pass	2.434402G	13.06	-16.94	1.83575G	-58.55	2.39016G	-54.39	2.48438G	-43.63	6.993514G	-50.15	2
2462MHz	Pass	2.434402G	13.06	-16.94	2.30408G	-58.16	2.39664G	-53.56	2.48542G	-47.22	6.942942G	-50.70	3
2462MHz	Pass	2.434402G	13.06	-16.94	1.82177G	-57.93	2.39512G	-52.46	2.48382G	-42.87	6.987895G	-50.28	4
802.11ac VHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.424382G	9.91	-20.09	1.80704G	-57.86	2.39952G	-34.71	2.48398G	-53.04	6.977881G	-50.43	1
2422MHz	Pass	2.424382G	9.91	-20.09	2.10703G	-58.22	2.39952G	-33.91	2.48446G	-54.26	6.961054G	-50.69	2
2422MHz	Pass	2.424382G	9.91	-20.09	1.74521G	-58.45	2.39856G	-33.69	2.48414G	-54.16	6.983491G	-49.37	3
2422MHz	Pass	2.424382G	9.91	-20.09	1.723455G	-57.16	2.39504G	-35.52	2.48542G	-52.88	6.977881G	-50.15	4
2437MHz	Pass	2.424382G	9.91	-20.09	2.053215G	-58.34	2.39728G	-36.22	2.48462G	-45.58	6.983491G	-50.45	1
2437MHz	Pass	2.424382G	9.91	-20.09	1.970775G	-56.82	2.39824G	-32.74	2.48398G	-43.27	6.938618G	-51.71	2
2437MHz	Pass	2.424382G	9.91	-20.09	2.302825G	-58.97	2.39856G	-35.59	2.4851G	-45.37	7.000318G	-50.75	3
2437MHz	Pass	2.424382G	9.91	-20.09	1.815055G	-57.17	2.39888G	-35.20	2.48622G	-42.13	6.9891G	-50.78	4
2452MHz	Pass	2.424382G	9.91	-20.09	1.75437G	-57.85	2.39984G	-47.92	2.48702G	-43.46	6.961054G	-51.21	1
2452MHz	Pass	2.424382G	9.91	-20.09	2.17573G	-57.81	2.39536G	-45.79	2.49198G	-39.47	6.9891G	-50.23	2
2452MHz	Pass	2.424382G	9.91	-20.09	2.30168G	-58.01	2.39888G	-46.23	2.48654G	-42.82	6.972272G	-50.76	3
2452MHz	Pass	2.424382G	9.91	-20.09	2.112755G	-58.46	2.39584G	-44.37	2.48494G	-37.13	6.986295G	-50.08	4

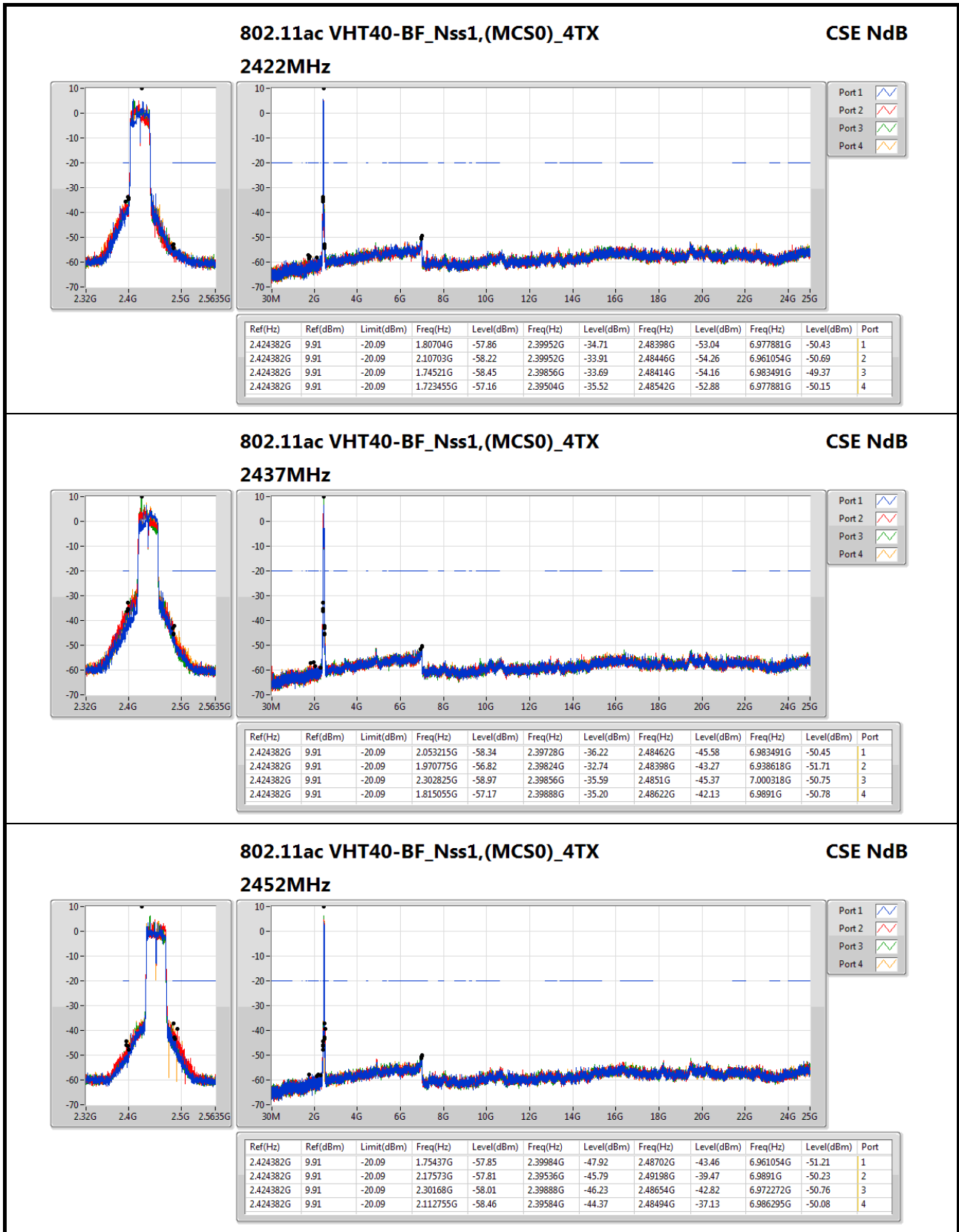












**802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX**

**2452MHz**

**CSE NdB**

Port 1

Port 2

Port 3

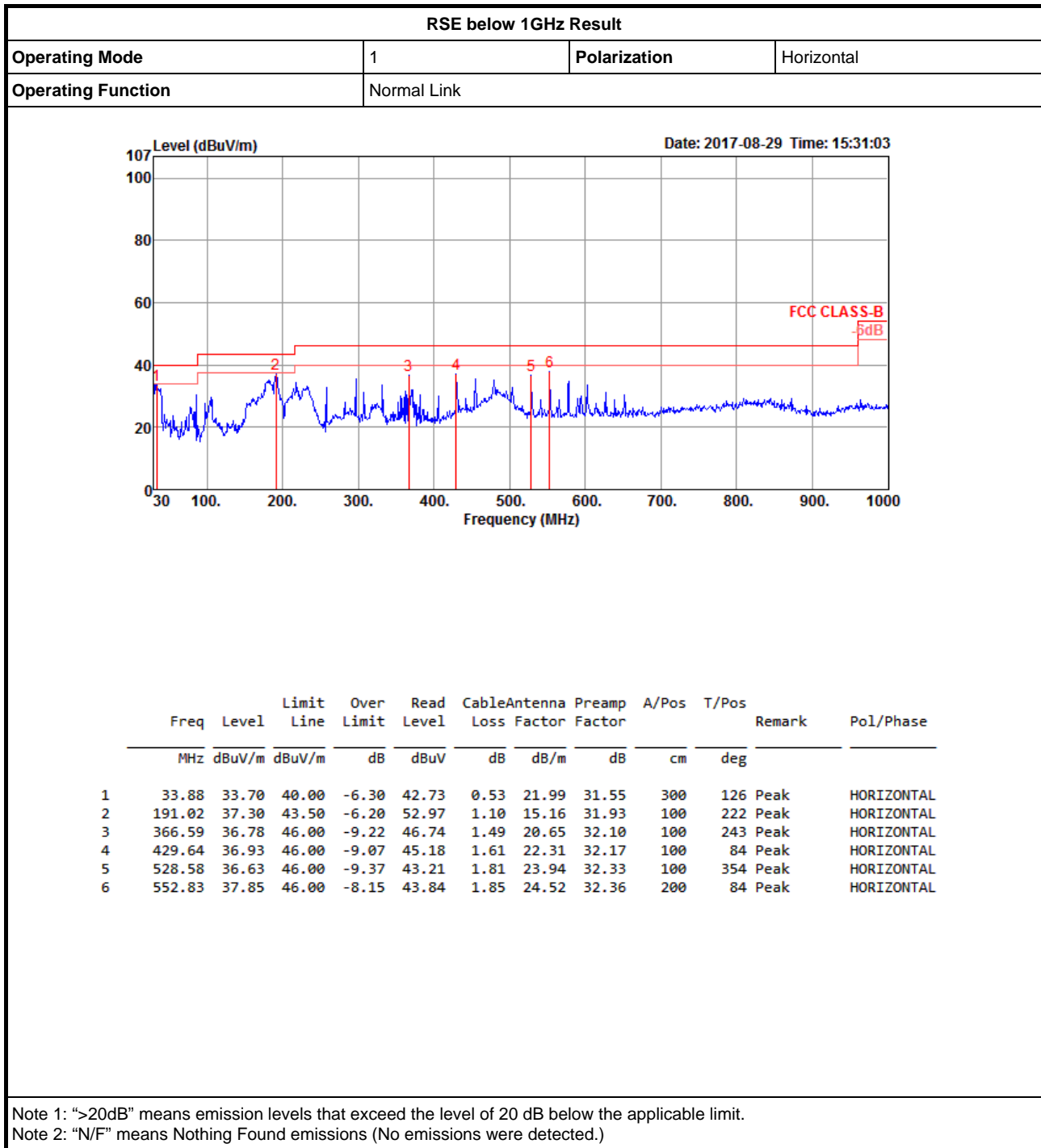
Port 4





## RSE below 1GHz Result

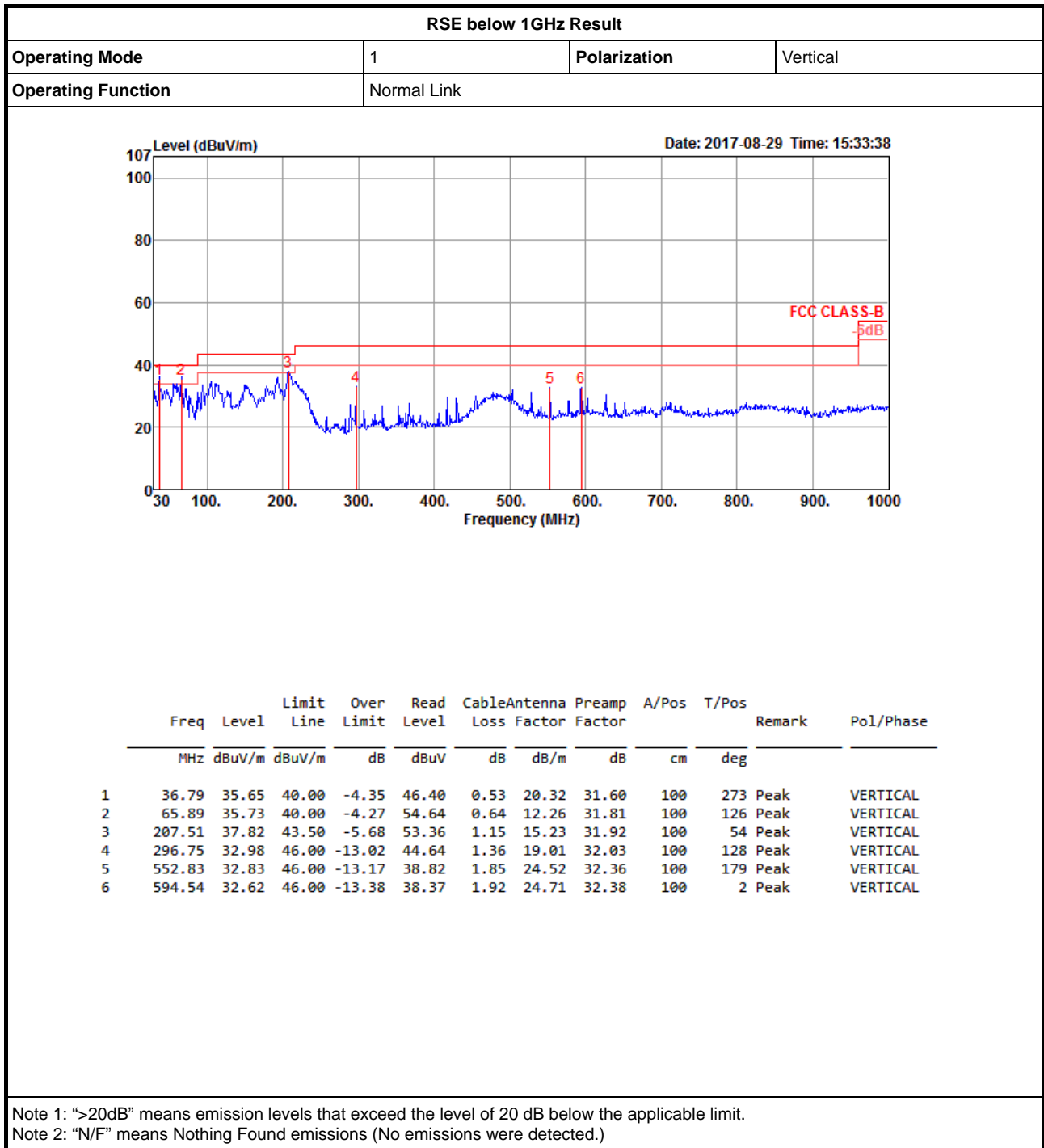
Appendix F.1





# RSE below 1GHz Result

Appendix F.1



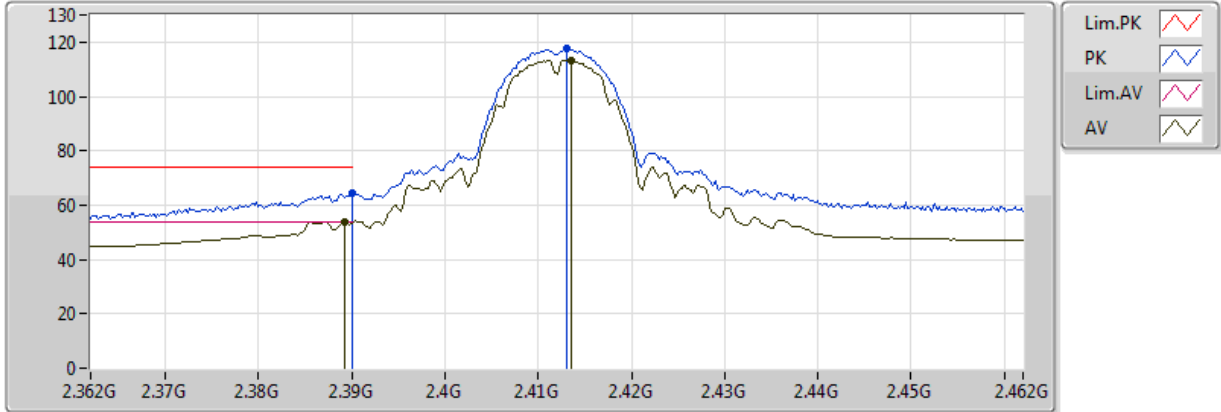


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Pol. (H/V)	Azimuth (°)	Height (m)	Comments
802.11ac VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-
2.4-2.4835GHz	Pass	AV	2.4836G	53.99	54.00	-0.01	33.19	3	H	45	1.05	-

### 802.11b\_(1Mbps)\_4TX

### 2412MHz\_TX

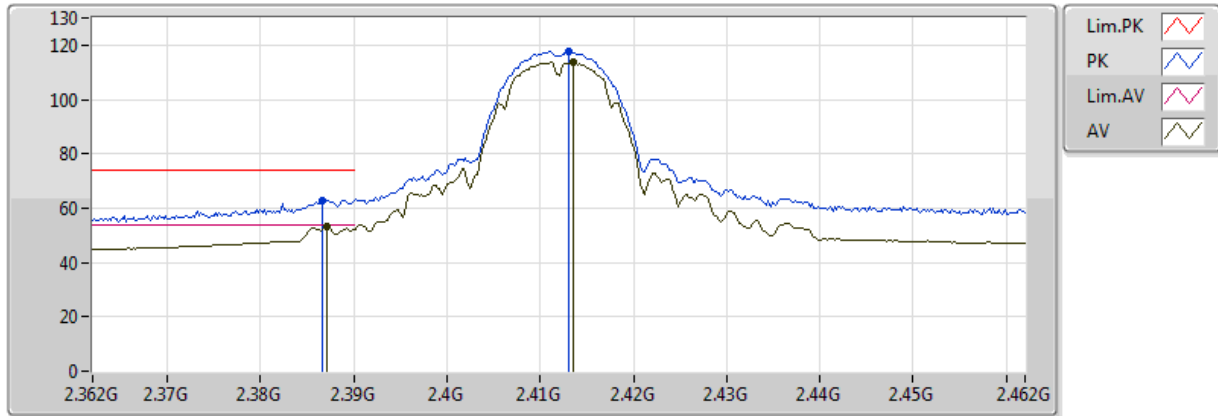


20170818  
 EUT Y\_4TX  
 Setting 23.5  
 04-J-4  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	53.89	54.00	-0.11	33.15	3	V	155	1.09	-
AV	2.4136G	113.21	Inf	-Inf	33.15	3	V	155	1.09	-
PK	2.389998G	64.41	74.00	-9.59	33.15	3	V	155	1.09	-
PK	2.413G	117.44	Inf	-Inf	33.15	3	V	155	1.09	-

### 802.11b\_(1Mbps)\_4TX

### 2412MHz\_TX



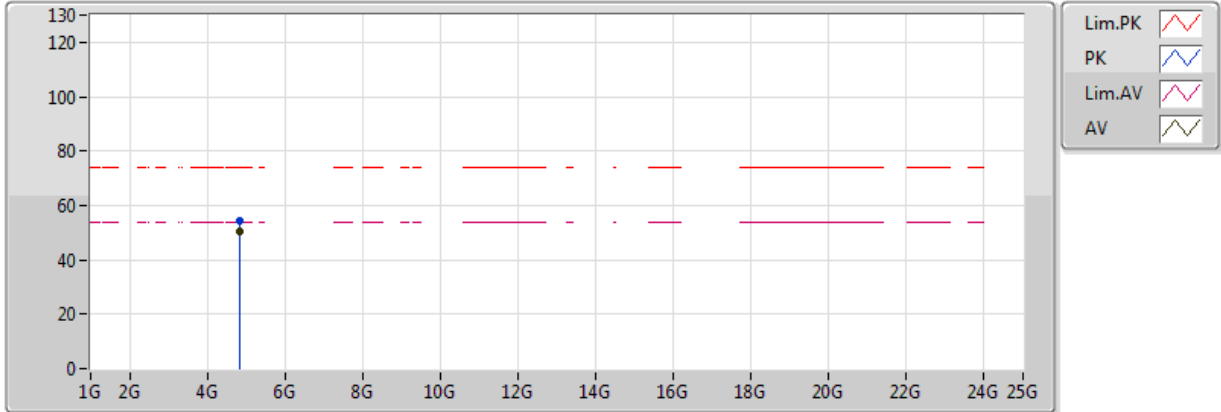
20170818  
 EUT\_Y\_4TX  
 Setting 23.5  
 04-J-4  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3872G	53.39	54.00	-0.61	33.15	3	H	139	2.11	-
AV	2.4136G	113.55	Inf	-Inf	33.15	3	H	139	2.11	-
PK	2.3866G	62.82	74.00	-11.18	33.15	3	H	139	2.11	-
PK	2.413G	117.63	Inf	-Inf	33.15	3	H	139	2.11	-



### 802.11b\_(1Mbps)\_4TX

### 2412MHz\_TX

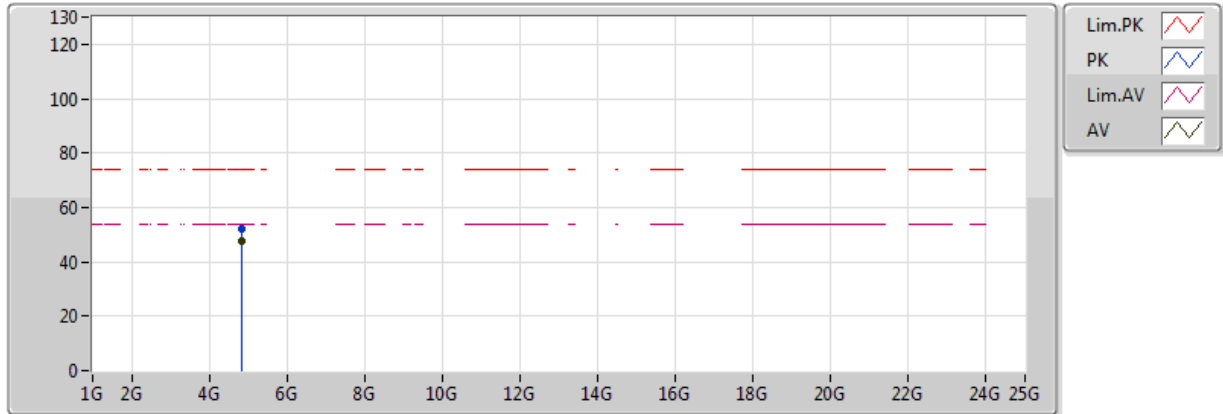


20170818  
EUT\_Y\_4TX  
Setting 23.5  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8239G	50.61	54.00	-3.39	4.18	3	V	73	2.67	-
PK	4.82396G	54.29	74.00	-19.71	4.18	3	V	73	2.67	-

### 802.11b\_(1Mbps)\_4TX

### 2412MHz\_TX

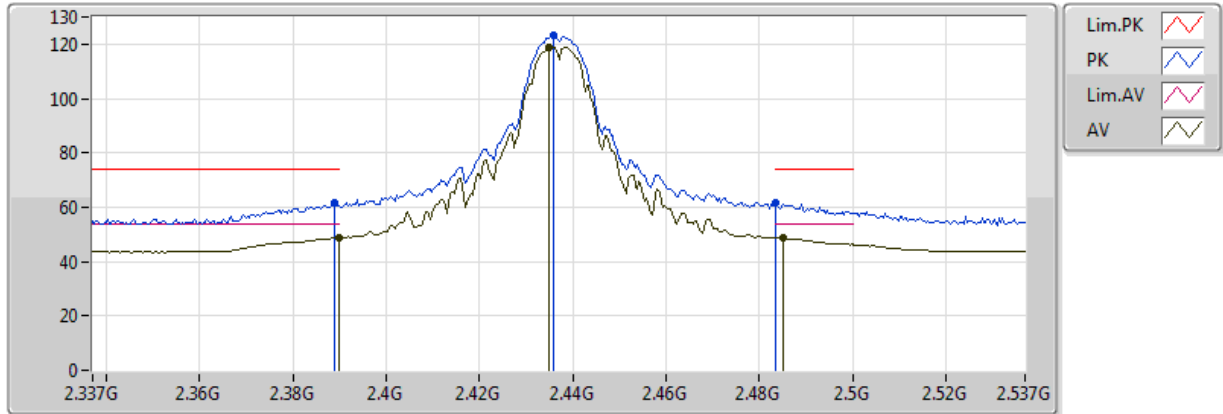


20170818  
 EUT\_Y\_4TX  
 Setting 23.5  
 04-J-4  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82388G	47.63	54.00	-6.37	4.18	3	H	305	1.89	-
PK	4.82386G	52.18	74.00	-21.82	4.18	3	H	305	1.89	-

### 802.11b\_(1Mbps)\_4TX

### 2437MHz\_TX



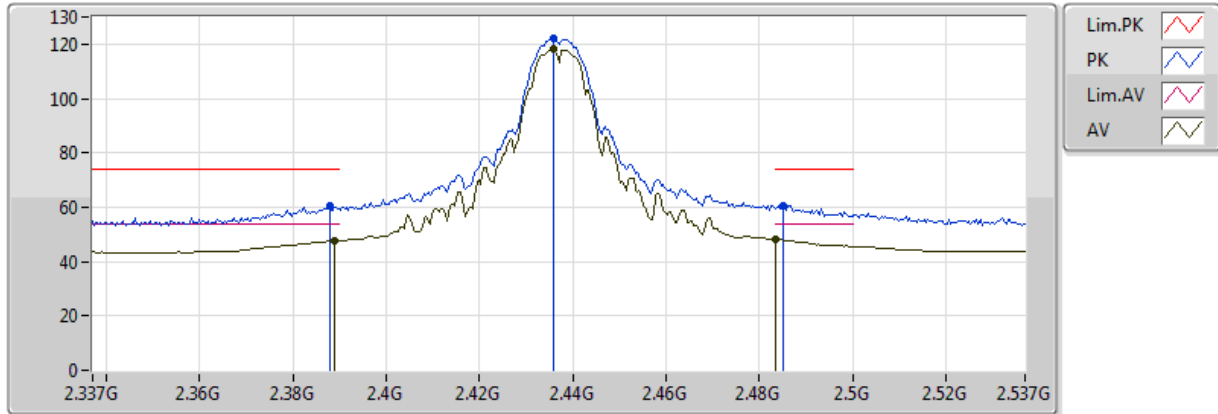
20170822  
 EUT\_Y\_4TX  
 Setting 25.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	48.87	54.00	-5.13	31.04	3	V	259	2.67	-
AV	2.435G	118.96	Inf	-Inf	30.98	3	V	259	2.67	-
AV	2.485G	48.62	54.00	-5.38	30.92	3	V	259	2.67	-
PK	2.389G	61.74	74.00	-12.26	31.04	3	V	259	2.67	-
PK	2.4358G	123.07	Inf	-Inf	30.98	3	V	259	2.67	-
PK	2.483502G	61.52	74.00	-12.48	30.92	3	V	259	2.67	-



### 802.11b\_(1Mbps)\_4TX

### 2437MHz\_TX



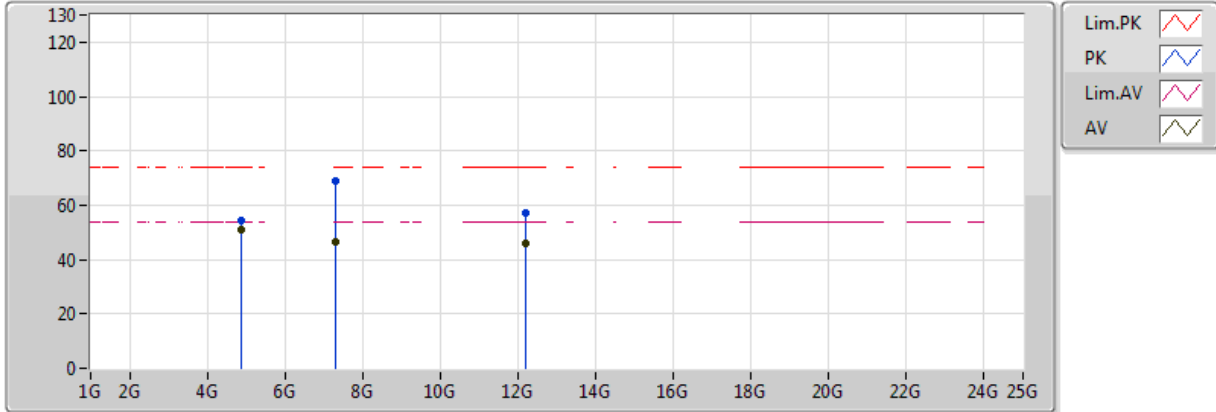
20170822  
 EUT\_Y\_4TX  
 Setting 25.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389G	47.63	54.00	-6.37	31.04	3	H	320	1.64	-
AV	2.4358G	117.97	Inf	-Inf	30.98	3	H	320	1.64	-
AV	2.483502G	48.17	54.00	-5.83	30.92	3	H	320	1.64	-
PK	2.3878G	60.53	74.00	-13.47	31.04	3	H	320	1.64	-
PK	2.4358G	122.03	Inf	-Inf	30.98	3	H	320	1.64	-
PK	2.485G	60.78	74.00	-13.22	30.92	3	H	320	1.64	-



### 802.11b\_(1Mbps)\_4TX

### 2437MHz\_TX

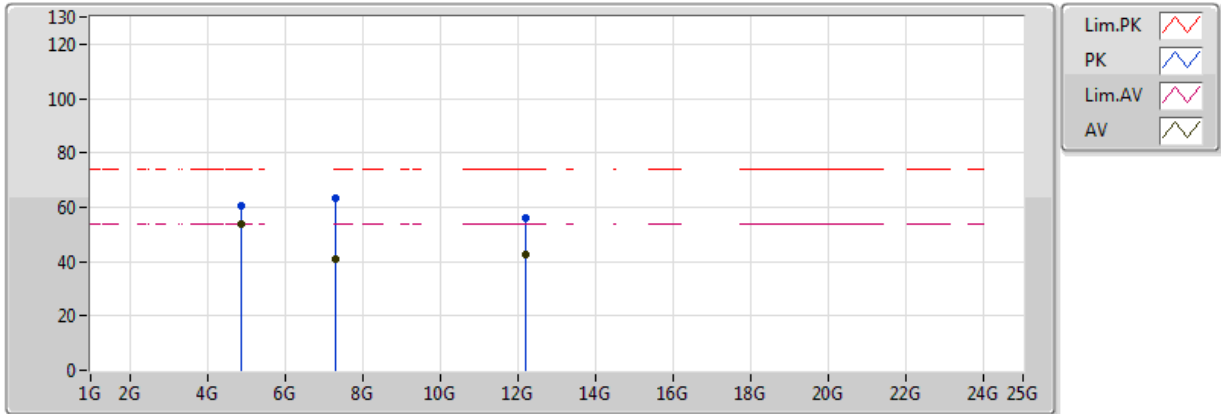


20170822  
 EUT\_Y\_4TX  
 Setting 25.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.873904G	50.87	54.00	-3.13	3.55	3	V	351	1.03	-
AV	7.310022G	46.63	54.00	-7.37	8.75	3	V	39	1.73	-
AV	12.183938G	45.94	54.00	-8.06	12.75	3	V	219	1.71	-
PK	4.873956G	54.61	74.00	-19.39	3.55	3	V	351	1.03	-
PK	7.31109G	68.85	74.00	-5.15	8.75	3	V	39	1.73	-
PK	12.18377G	57.30	74.00	-16.70	12.75	3	V	219	1.71	-

### 802.11b\_(1Mbps)\_4TX

### 2437MHz\_TX

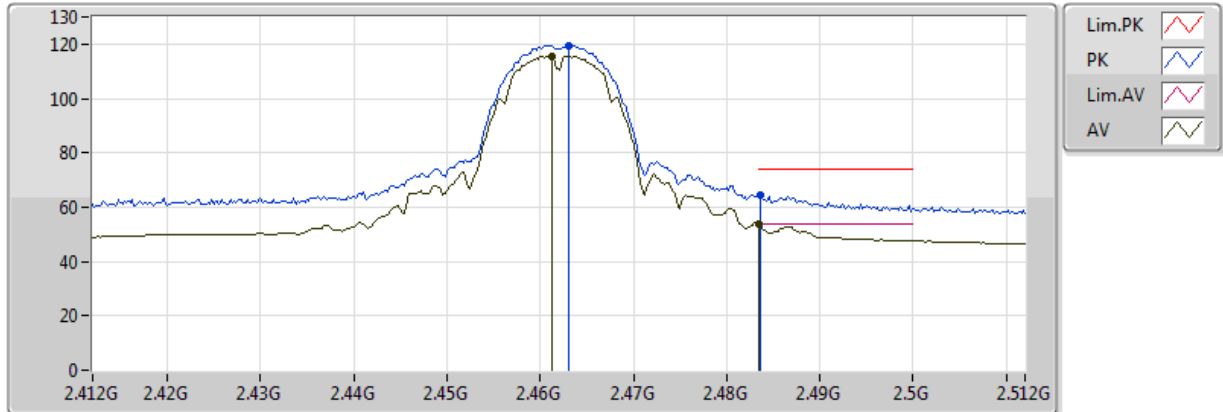


20170822  
 EUT\_Y\_4TX  
 Setting 25.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87388G	53.81	54.00	-0.19	3.55	3	H	222	1.88	-
AV	7.30998G	40.68	54.00	-13.32	8.75	3	H	158	2.82	-
AV	12.183746G	42.52	54.00	-11.48	12.75	3	H	207	1.48	-
PK	4.874196G	60.50	74.00	-13.50	3.55	3	H	222	1.88	-
PK	7.31076G	63.27	74.00	-10.73	8.75	3	H	158	2.82	-
PK	12.18551G	55.79	74.00	-18.21	12.76	3	H	207	1.48	-

### 802.11b\_(1Mbps)\_4TX

### 2462MHz\_TX

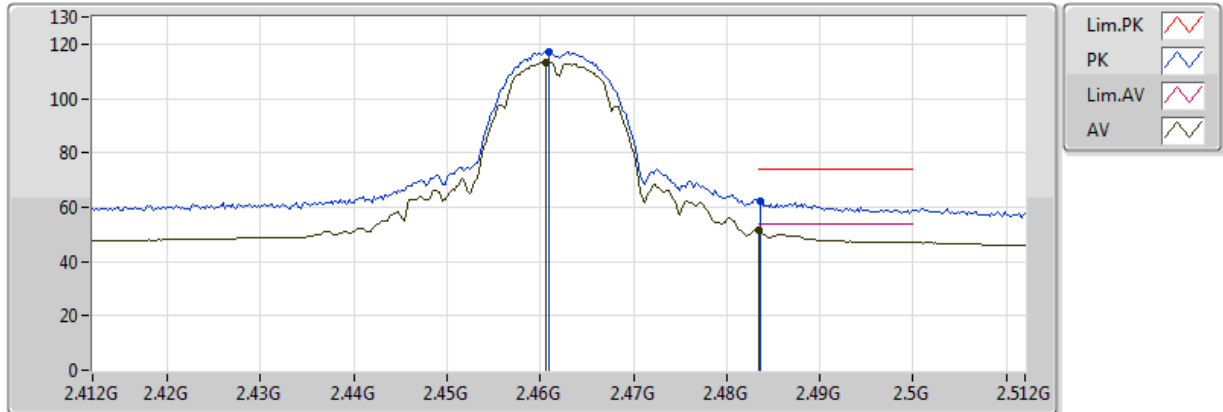


20170818  
EUT\_Y\_4TX  
Setting 23  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4612G	115.57	Inf	-Inf	33.18	3	V	191	1.87	-
AV	2.483502G	53.98	54.00	-0.02	33.19	3	V	191	1.87	-
PK	2.463G	119.60	Inf	-Inf	33.18	3	V	191	1.87	-
PK	2.4836G	64.27	74.00	-9.73	33.19	3	V	191	1.87	-

### 802.11b\_(1Mbps)\_4TX

### 2462MHz\_TX

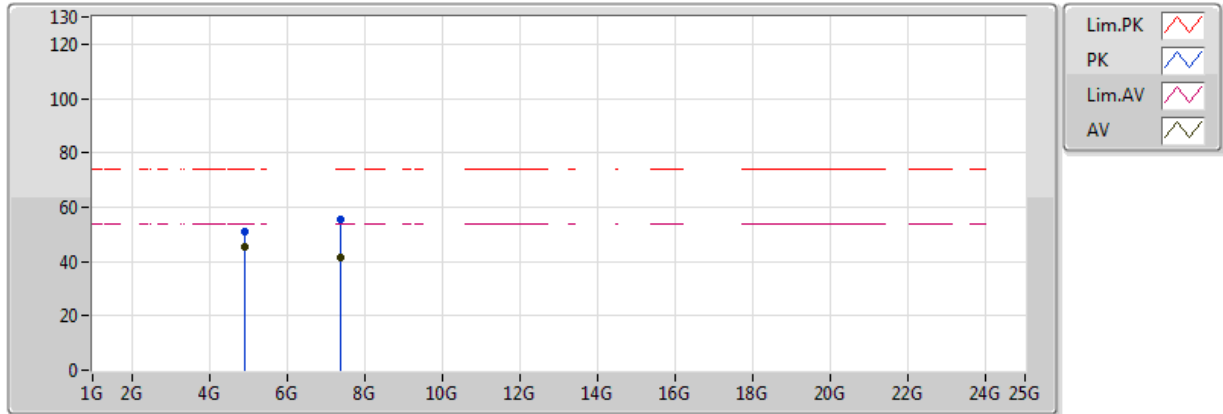


20170818  
EUT\_Y\_4TX  
Setting 23  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4606G	113.25	Inf	-Inf	33.18	3	H	325	2.43	-
AV	2.483502G	51.67	54.00	-2.33	33.19	3	H	325	2.43	-
PK	2.461G	117.32	Inf	-Inf	33.18	3	H	325	2.43	-
PK	2.4836G	62.16	74.00	-11.84	33.19	3	H	325	2.43	-

### 802.11b\_(1Mbps)\_4TX

### 2462MHz\_TX

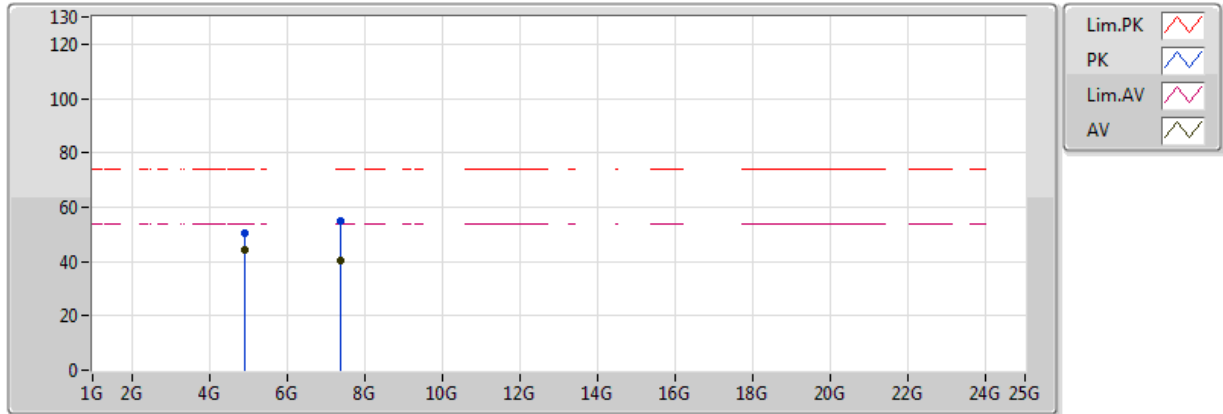


20170818  
EUT\_Y\_4TX  
Setting 23  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.9239G	45.37	54.00	-8.63	4.49	3	V	172	2.96	-
AV	7.38664G	41.43	54.00	-12.57	11.42	3	V	204	1.78	-
PK	4.92372G	51.25	74.00	-22.75	4.49	3	V	172	2.96	-
PK	7.38486G	55.23	74.00	-18.77	11.42	3	V	204	1.78	-

### 802.11b\_(1Mbps)\_4TX

### 2462MHz\_TX

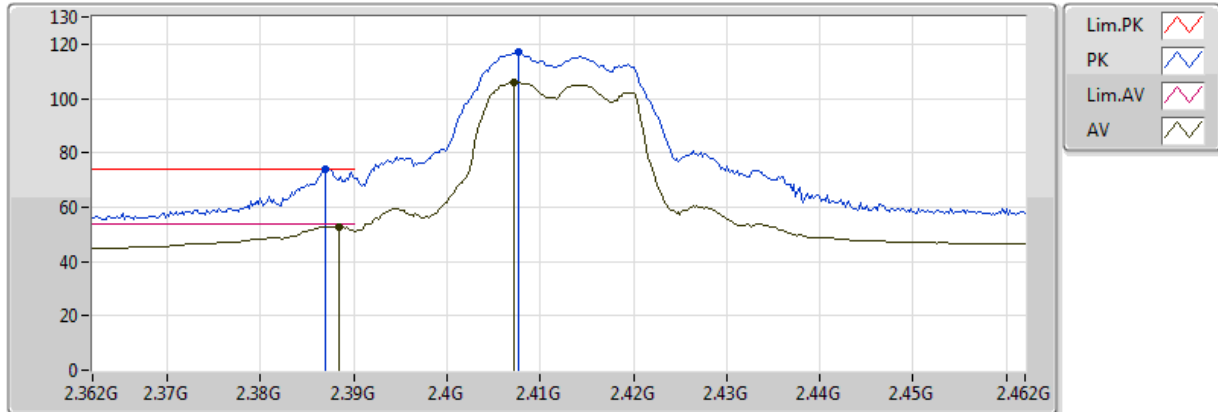


20170818  
EUT\_Y\_4TX  
Setting 23  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92388G	44.31	54.00	-9.69	4.49	3	H	51	1.16	-
AV	7.3849G	40.50	54.00	-13.50	11.42	3	H	259	1.68	-
PK	4.92382G	50.52	74.00	-23.48	4.49	3	H	51	1.16	-
PK	7.3879G	54.88	74.00	-19.12	11.43	3	H	259	1.68	-

### 802.11g\_(6Mbps)\_4TX

### 2412MHz\_TX



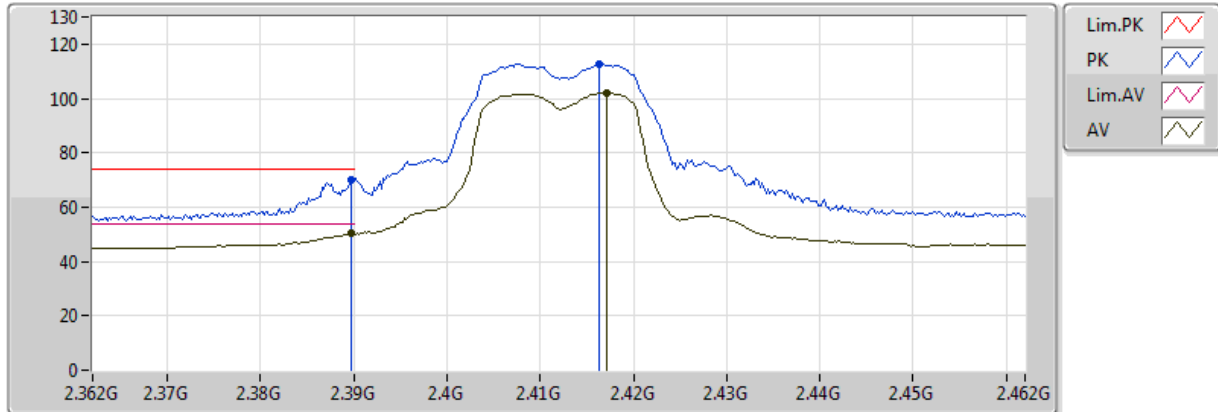
20170818  
EUT\_Y\_4TX  
Setting 18  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3884G	52.76	54.00	-1.24	33.15	3	V	71	2.00	-
AV	2.4072G	106.05	Inf	-Inf	33.14	3	V	71	2.00	-
PK	2.387G	73.97	74.00	-0.03	33.15	3	V	71	2.00	-
PK	2.4076G	117.06	Inf	-Inf	33.14	3	V	71	2.00	-



### 802.11g\_(6Mbps)\_4TX

### 2412MHz\_TX

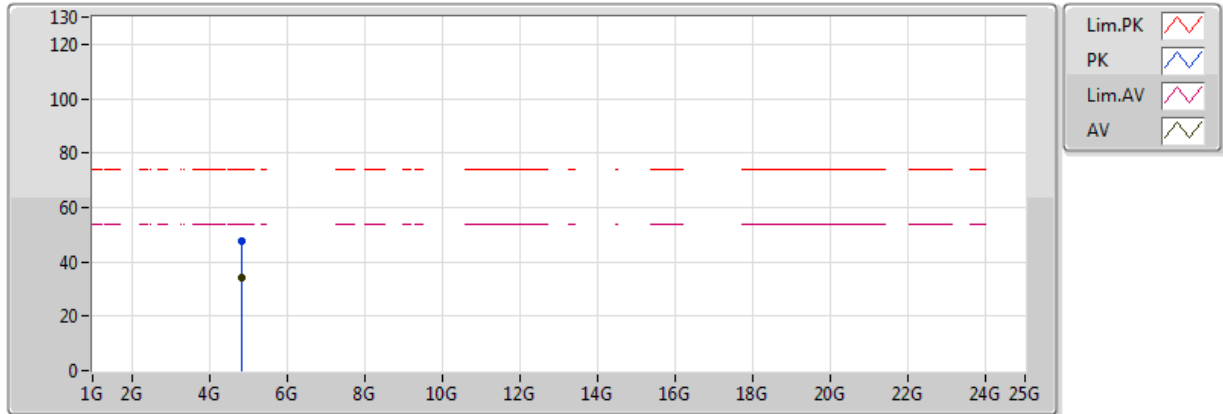


20170818  
EUT\_Y\_4TX  
Setting 18  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	50.41	54.00	-3.59	33.15	3	H	47	1.45	-
AV	2.4172G	102.25	Inf	-Inf	33.15	3	H	47	1.45	-
PK	2.3898G	69.97	74.00	-4.03	33.15	3	H	47	1.45	-
PK	2.4164G	112.61	Inf	-Inf	33.15	3	H	47	1.45	-

### 802.11g\_(6Mbps)\_4TX

### 2412MHz\_TX

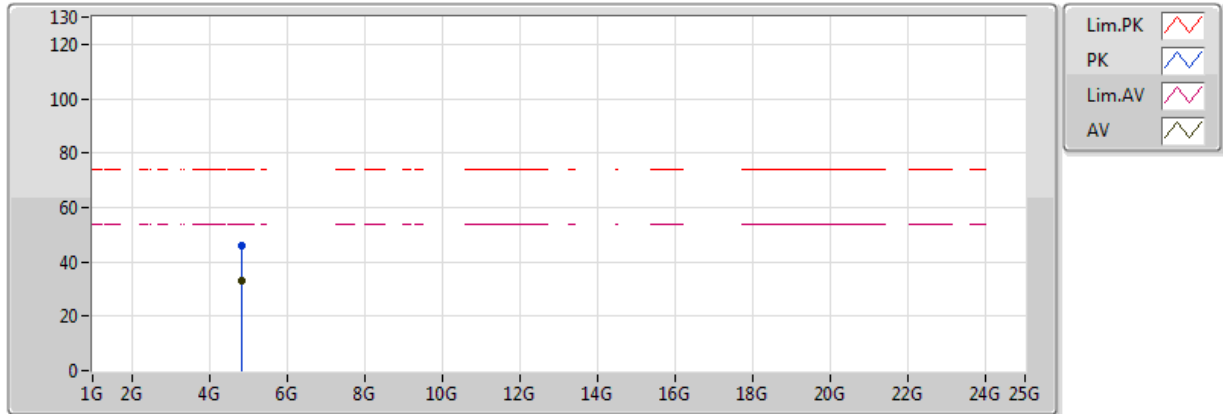


20170822  
 EUT\_Y\_4TX  
 Setting 18  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82634G	34.15	54.00	-19.85	3.41	3	V	360	1.77	-
PK	4.82688G	47.52	74.00	-26.48	3.41	3	V	360	1.77	-

### 802.11g\_(6Mbps)\_4TX

### 2412MHz\_TX

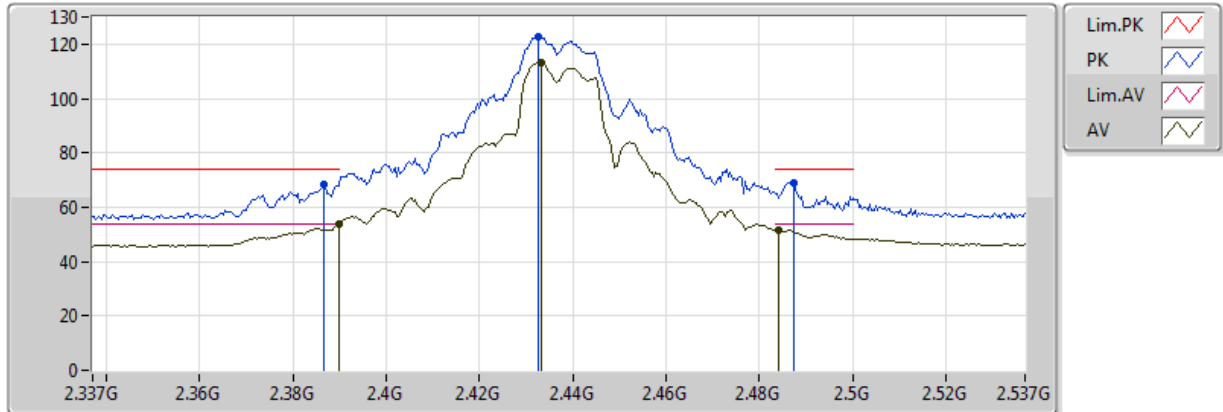


20170822  
 EUT\_Y\_4TX  
 Setting 18  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82658G	33.24	54.00	-20.76	3.41	3	H	127	2.44	-
PK	4.82742G	46.14	74.00	-27.86	3.41	3	H	127	2.44	-

### 802.11g\_(6Mbps)\_4TX

### 2437MHz\_TX

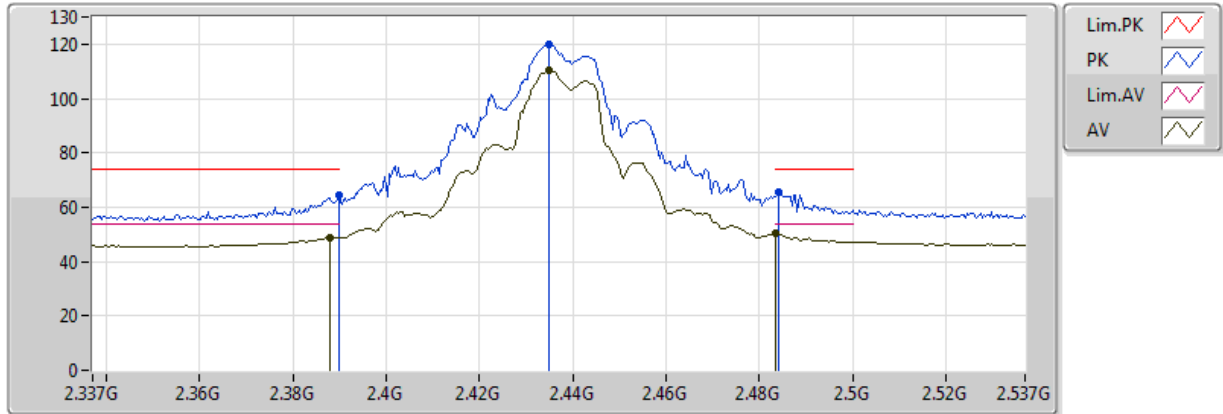


20170822  
 EUT\_Y\_4TX  
 Setting 25  
 04-J-5  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	53.79	54.00	-0.21	33.15	3	V	272	1.98	-
AV	2.4334G	112.98	Inf	-Inf	33.16	3	V	272	1.98	-
AV	2.4842G	51.32	54.00	-2.68	33.19	3	V	272	1.98	-
PK	2.3866G	68.30	74.00	-5.70	33.15	3	V	272	1.98	-
PK	2.4326G	122.98	Inf	-Inf	33.16	3	V	272	1.98	-
PK	2.4874G	69.14	74.00	-4.86	33.19	3	V	272	1.98	-

### 802.11g\_(6Mbps)\_4TX

### 2437MHz\_TX



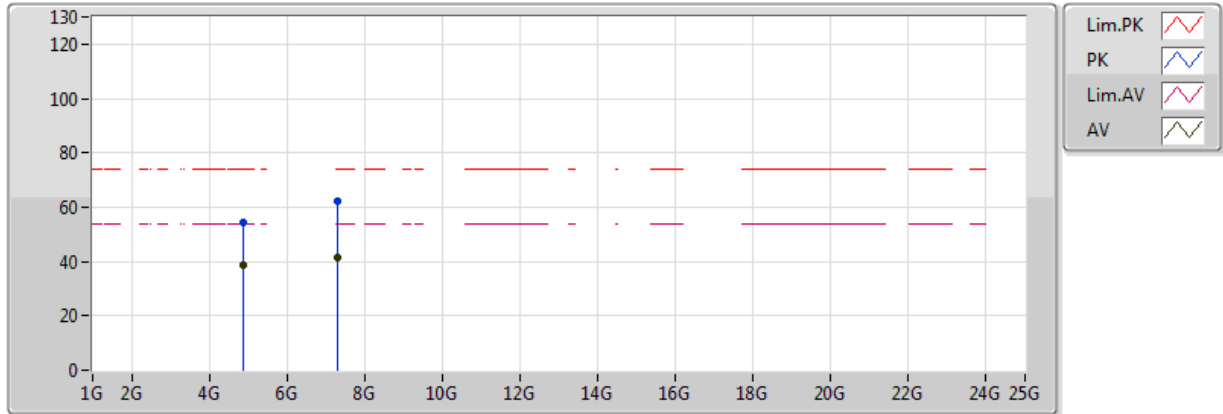
20170822  
EUT\_Y\_4TX  
Setting 25  
04-J-5  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3878G	49.00	54.00	-5.00	33.15	3	H	236	2.28	-
AV	2.435G	110.17	Inf	-Inf	33.16	3	H	236	2.28	-
AV	2.483502G	50.27	54.00	-3.73	33.19	3	H	236	2.28	-
PK	2.3898G	64.20	74.00	-9.80	33.15	3	H	236	2.28	-
PK	2.435G	119.69	Inf	-Inf	33.16	3	H	236	2.28	-
PK	2.4842G	65.62	74.00	-8.38	33.19	3	H	236	2.28	-



### 802.11g\_(6Mbps)\_4TX

### 2437MHz\_TX

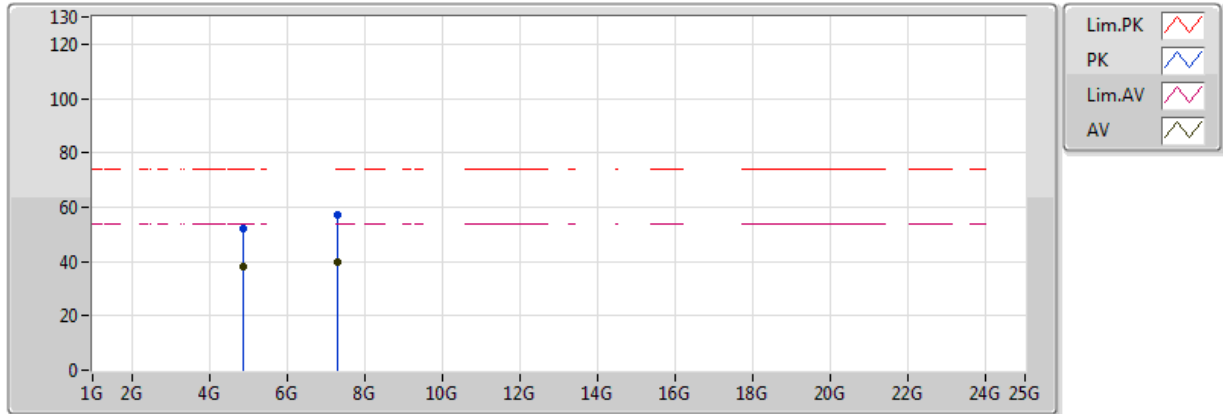


20170822  
 EUT\_Y\_4TX  
 Setting 25  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86692G	38.65	54.00	-15.35	3.53	3	V	280	1.46	-
AV	7.30698G	41.52	54.00	-12.48	8.74	3	V	16	1.96	-
PK	4.86584G	54.28	74.00	-19.72	3.53	3	V	280	1.46	-
PK	7.3074G	61.96	74.00	-12.04	8.74	3	V	16	1.96	-

### 802.11g\_(6Mbps)\_4TX

### 2437MHz\_TX

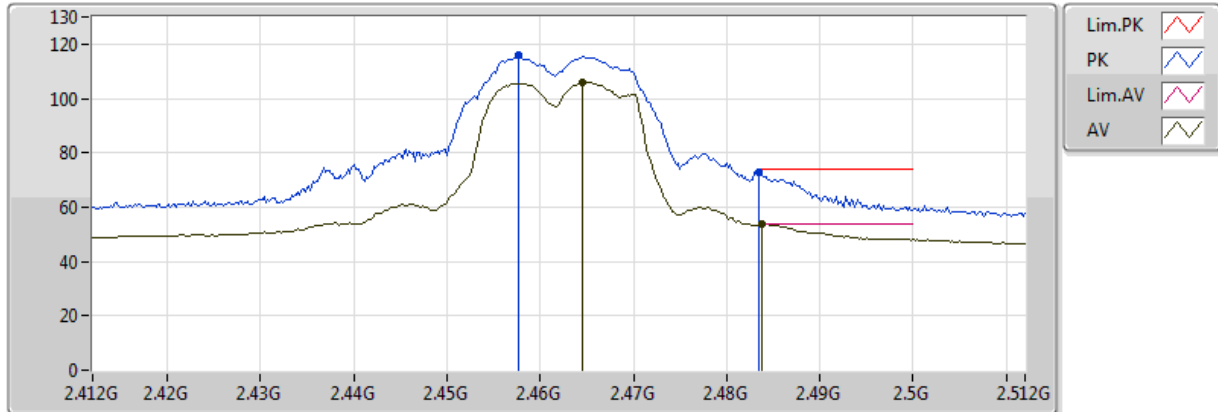


20170822  
 EUT\_Y\_4TX  
 Setting 25  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87628G	37.99	54.00	-16.01	3.56	3	H	315	1.90	-
AV	7.30548G	39.78	54.00	-14.22	8.74	3	H	234	1.62	-
PK	4.87694G	51.98	74.00	-22.02	3.56	3	H	315	1.90	-
PK	7.3107G	57.01	74.00	-16.99	8.75	3	H	234	1.62	-

### 802.11g\_(6Mbps)\_4TX

### 2462MHz\_TX



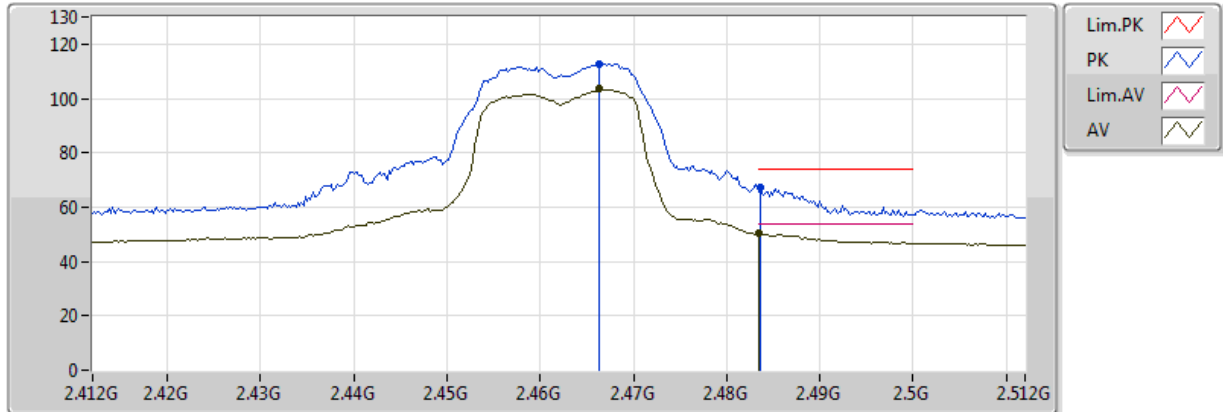
20170818  
 EUT\_Y\_4TX  
 Setting 18.5  
 04-J-4  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4646G	105.88	Inf	-Inf	33.18	3	V	73	2.21	-
AV	2.4838G	53.66	54.00	-0.34	33.19	3	V	73	2.21	-
PK	2.4576G	115.80	Inf	-Inf	33.17	3	V	73	2.21	-
PK	2.483502G	72.80	74.00	-1.20	33.19	3	V	73	2.21	-



### 802.11g\_(6Mbps)\_4TX

### 2462MHz\_TX

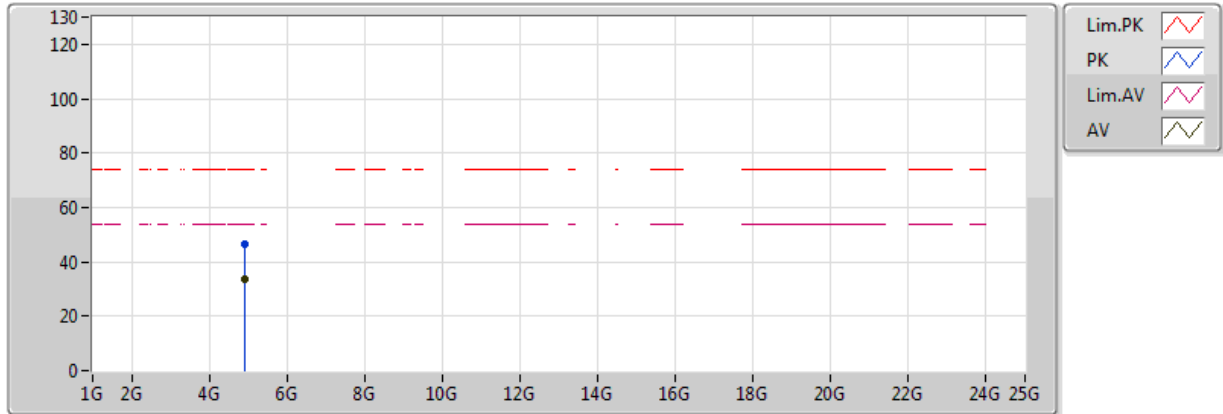


20170818  
EUT\_Y\_4TX  
Setting 18.5  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4664G	103.44	Inf	-Inf	33.18	3	H	49	1.50	-
AV	2.483502G	50.28	54.00	-3.72	33.19	3	H	49	1.50	-
PK	2.4664G	112.83	Inf	-Inf	33.18	3	H	49	1.50	-
PK	2.4836G	67.15	74.00	-6.85	33.19	3	H	49	1.50	-

### 802.11g\_(6Mbps)\_4TX

### 2462MHz\_TX

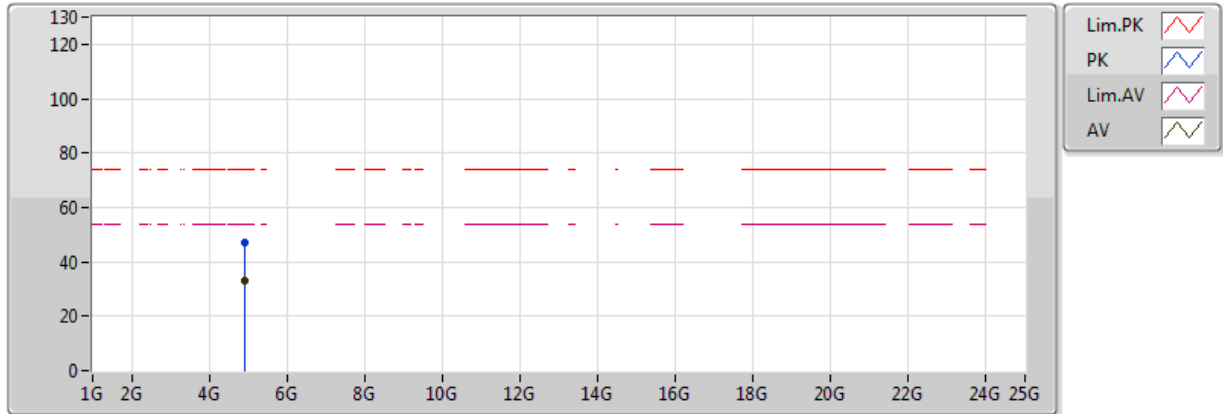


20170822  
 EUT\_Y\_4TX  
 Setting 18.5  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92028G	33.49	54.00	-20.51	3.69	3	V	15	2.17	-
PK	4.91866G	46.24	74.00	-27.76	3.68	3	V	15	2.17	-

### 802.11g\_(6Mbps)\_4TX

### 2462MHz\_TX

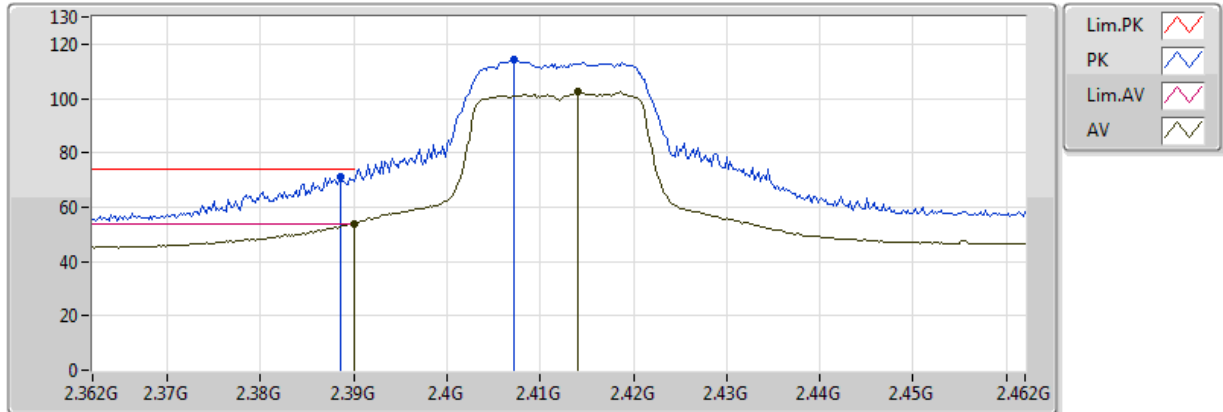


20170822  
 EUT\_Y\_4TX  
 Setting 18.5  
 01-K-2  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91602G	33.21	54.00	-20.79	3.68	3	H	230	2.93	-
PK	4.9153G	46.83	74.00	-27.17	3.67	3	H	230	2.93	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

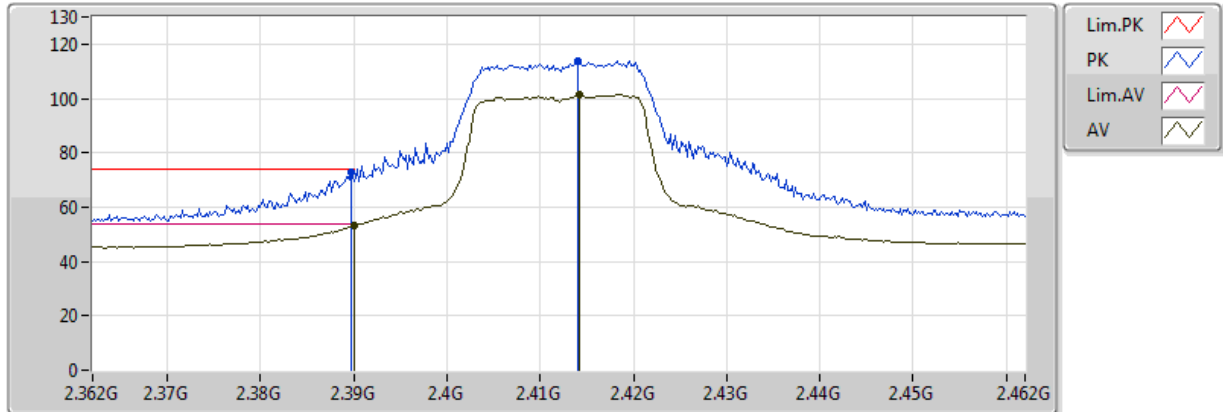


20170818  
EUT\_Y\_4TX  
Setting 19  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	53.98	54.00	-0.02	33.15	3	V	158	1.50	-
AV	2.414G	102.71	Inf	-Inf	33.15	3	V	158	1.50	-
PK	2.3886G	71.35	74.00	-2.65	33.15	3	V	158	1.50	-
PK	2.4072G	114.26	Inf	-Inf	33.14	3	V	158	1.50	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

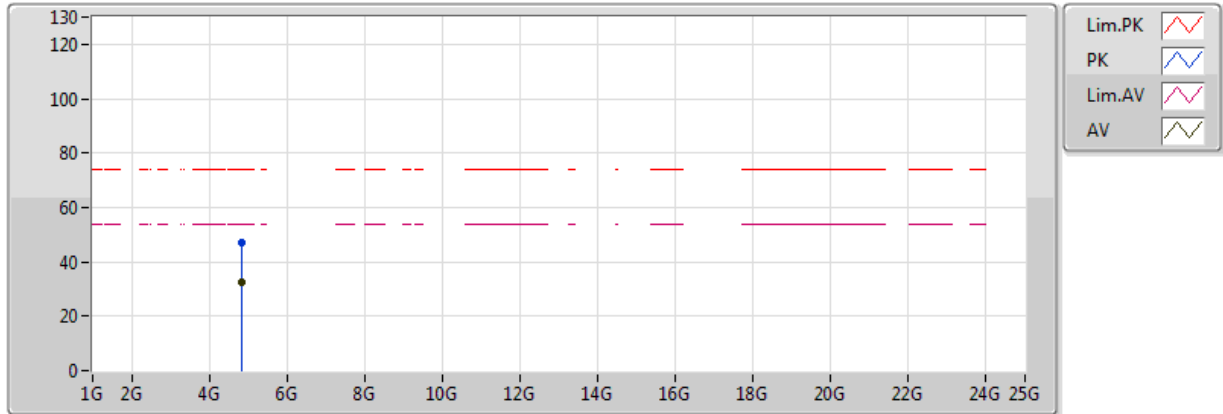


20170818  
EUT\_Y\_4TX  
Setting 19  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	53.19	54.00	-0.81	33.15	3	H	48	1.44	-
AV	2.4142G	101.48	Inf	-Inf	33.15	3	H	48	1.44	-
PK	2.3898G	72.62	74.00	-1.38	33.15	3	H	48	1.44	-
PK	2.414G	113.99	Inf	-Inf	33.15	3	H	48	1.44	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

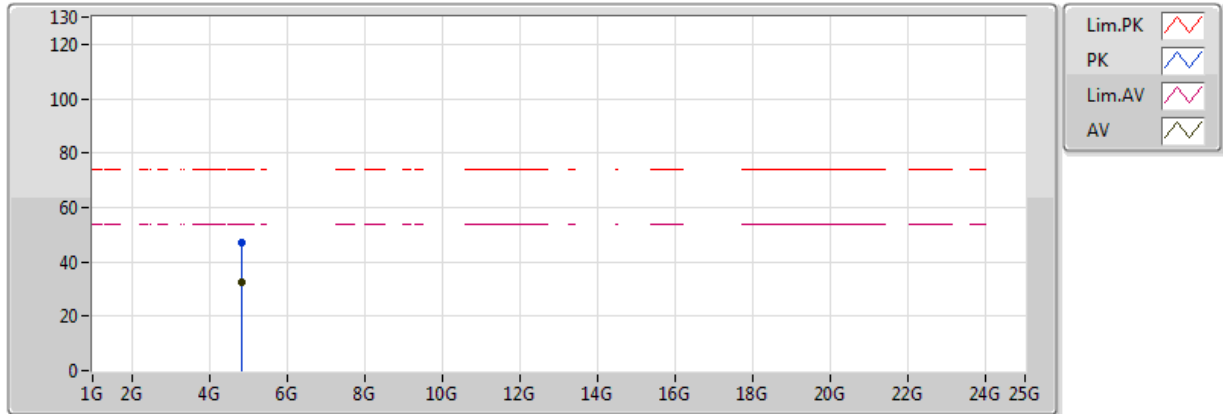


20170822  
 EUT\_Y\_4TX  
 Setting 19  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.823994G	32.68	54.00	-21.32	3.40	3	V	253	1.01	-
PK	4.823466G	47.03	74.00	-26.97	3.40	3	V	253	1.01	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

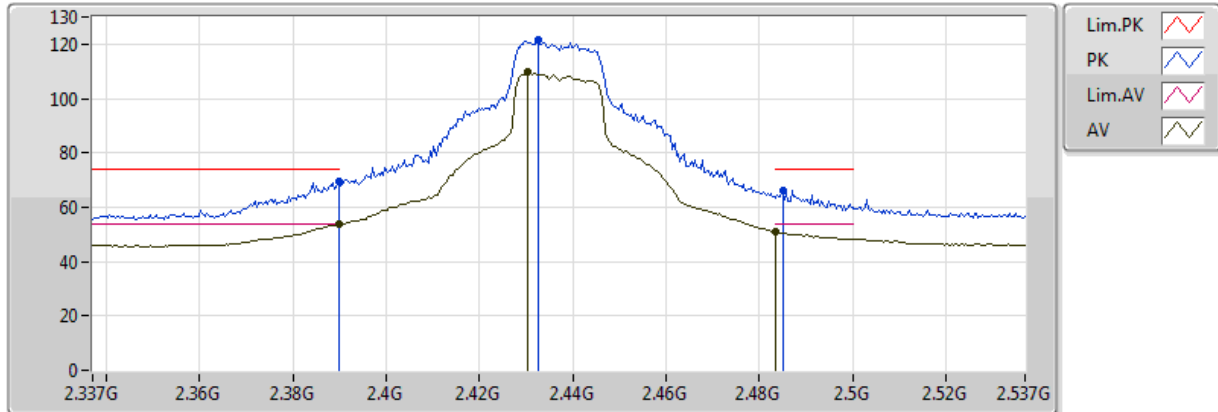


20170822  
EUT\_Y\_4TX  
Setting 19  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.823814G	32.67	54.00	-21.33	3.40	3	H	213	2.02	-
PK	4.824744G	46.86	74.00	-27.14	3.40	3	H	213	2.02	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX



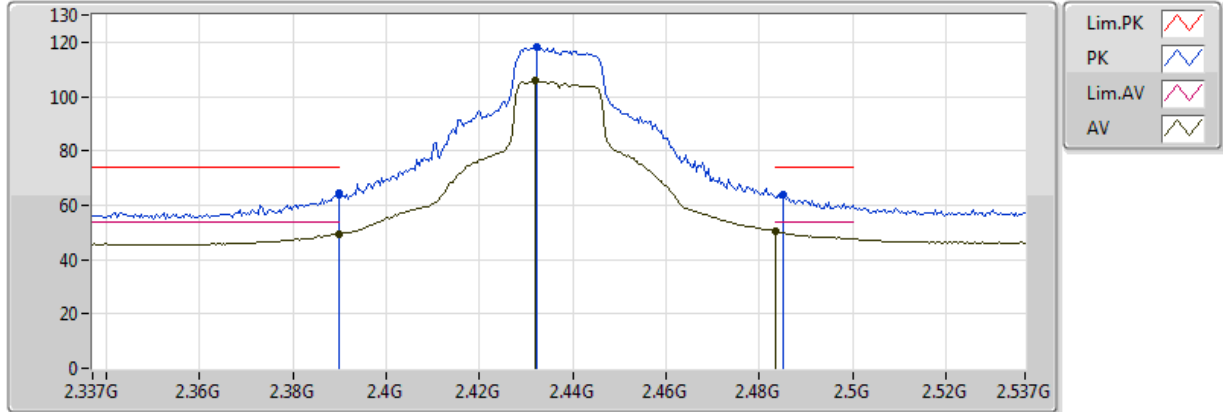
20170822  
 EUT\_Y\_4TX  
 Setting 25  
 04-J-5  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	53.78	54.00	-0.22	33.15	3	V	265	1.55	-
AV	2.4302G	109.73	Inf	-Inf	33.16	3	V	265	1.55	-
AV	2.483502G	50.94	54.00	-3.06	33.19	3	V	265	1.55	-
PK	2.3898G	69.54	74.00	-4.46	33.15	3	V	265	1.55	-
PK	2.4326G	121.34	Inf	-Inf	33.16	3	V	265	1.55	-
PK	2.485G	65.96	74.00	-8.04	33.19	3	V	265	1.55	-



### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

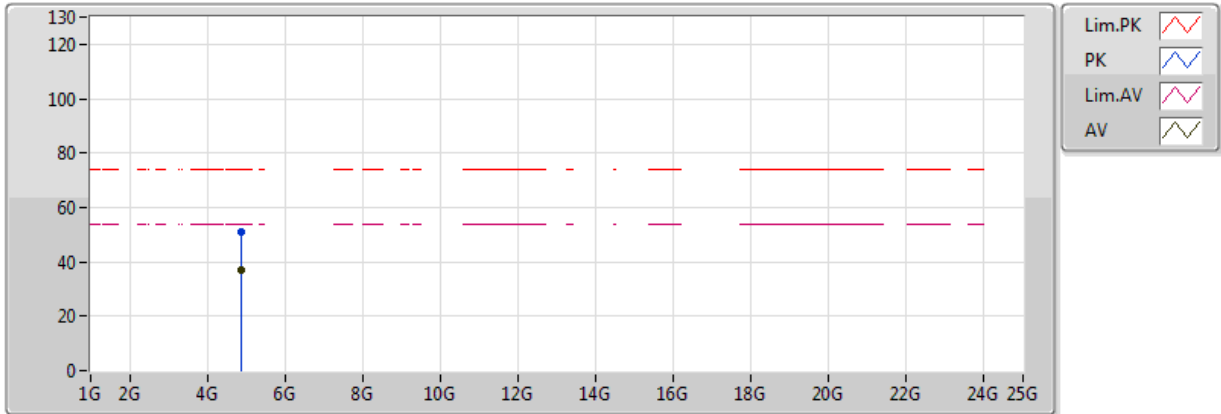


20170822  
EUT\_Y\_4TX  
Setting 25  
04-J-5  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	49.57	54.00	-4.43	33.15	3	H	227	1.06	-
AV	2.4318G	105.78	Inf	-Inf	33.16	3	H	227	1.06	-
AV	2.483502G	50.36	54.00	-3.64	33.19	3	H	227	1.06	-
PK	2.3898G	64.38	74.00	-9.62	33.15	3	H	227	1.06	-
PK	2.4322G	118.18	Inf	-Inf	33.16	3	H	227	1.06	-
PK	2.485G	64.00	74.00	-10.00	33.19	3	H	227	1.06	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

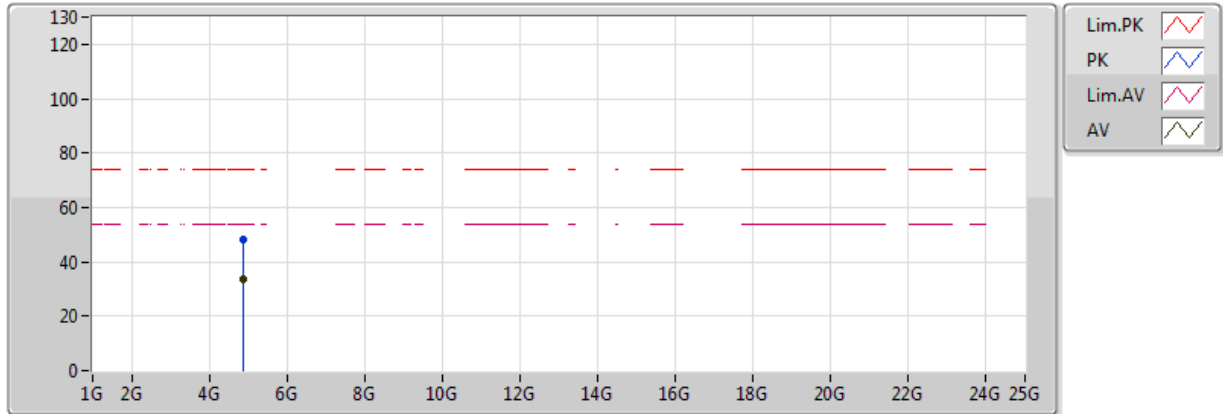


20170822  
EUT\_Y\_4TX  
Setting 25  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87442G	36.89	54.00	-17.11	3.55	3	V	272	1.78	-
PK	4.875134G	51.15	74.00	-22.85	3.56	3	V	272	1.78	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

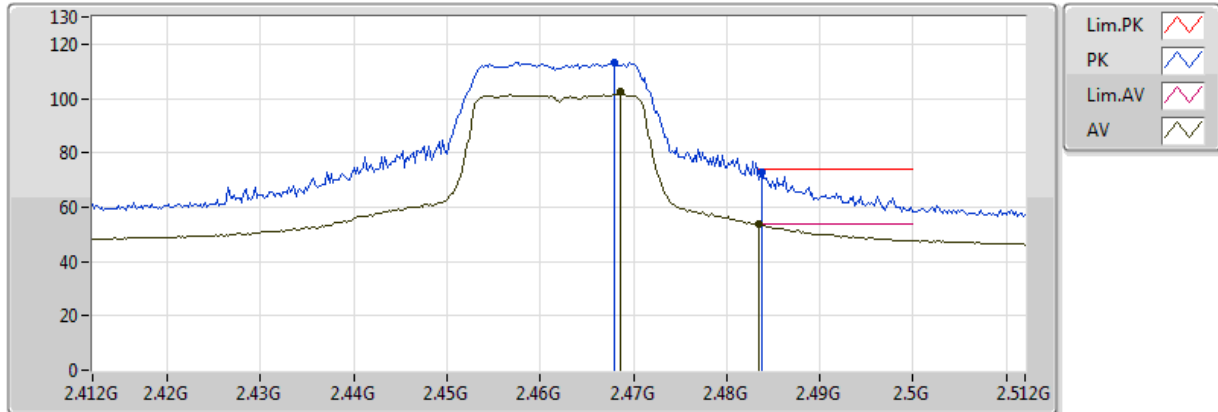


20170822  
 EUT\_Y\_4TX  
 Setting 25  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.875158G	33.39	54.00	-20.61	3.56	3	H	337	1.54	-
PK	4.874954G	48.07	74.00	-25.93	3.55	3	H	337	1.54	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

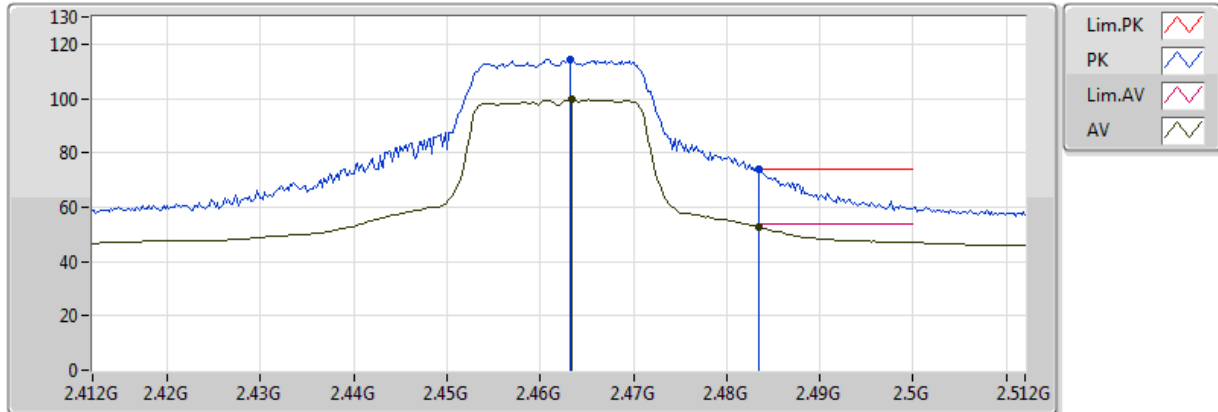


20170818  
EUT\_Y\_4TX  
Setting 19  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4686G	102.30	Inf	-Inf	33.18	3	V	89	1.50	-
AV	2.483502G	53.59	54.00	-0.41	33.19	3	V	89	1.50	-
PK	2.468G	113.01	Inf	-Inf	33.18	3	V	89	1.50	-
PK	2.4838G	72.88	74.00	-1.12	33.19	3	V	89	1.50	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

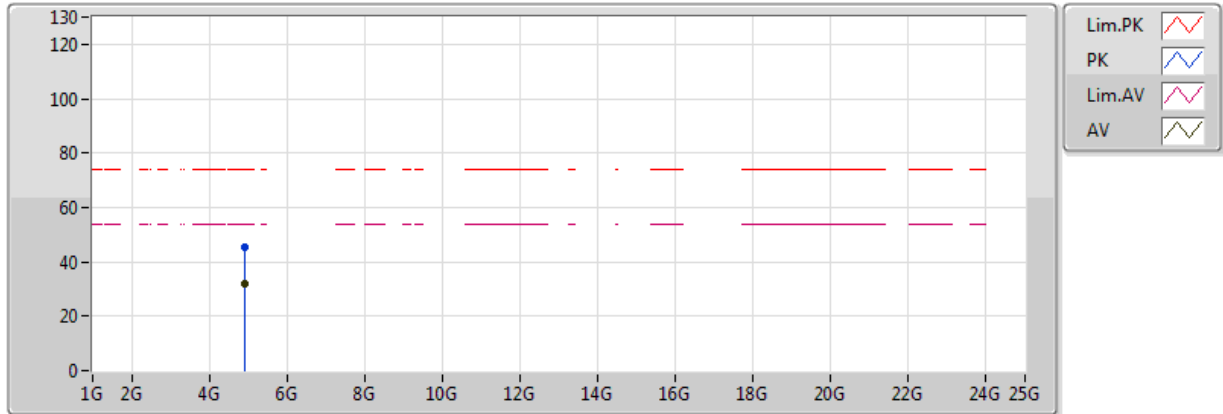


20170818  
EUT\_Y\_4TX  
Setting 19  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.4634G	99.56	Inf	-Inf	33.18	3	H	45	1.02	-
AV	2.483502G	52.73	54.00	-1.27	33.19	3	H	45	1.02	-
PK	2.4632G	114.46	Inf	-Inf	33.18	3	H	45	1.02	-
PK	2.483502G	73.94	74.00	-0.06	33.19	3	H	45	1.02	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

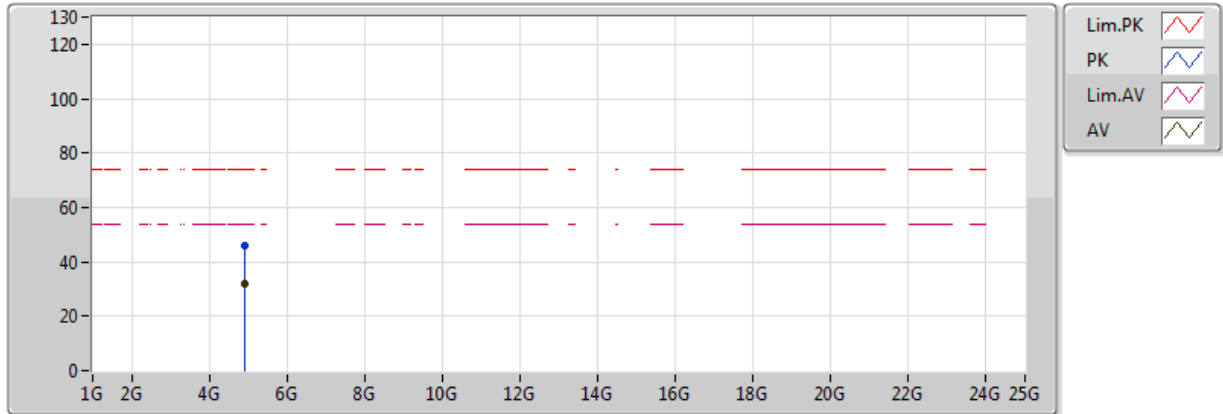


20170822  
EUT\_Y\_4TX  
Setting 19  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.923634G	32.00	54.00	-22.00	3.70	3	V	351	2.46	-
PK	4.925098G	45.53	74.00	-28.47	3.70	3	V	351	2.46	-

### 802.11ac VHT20\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

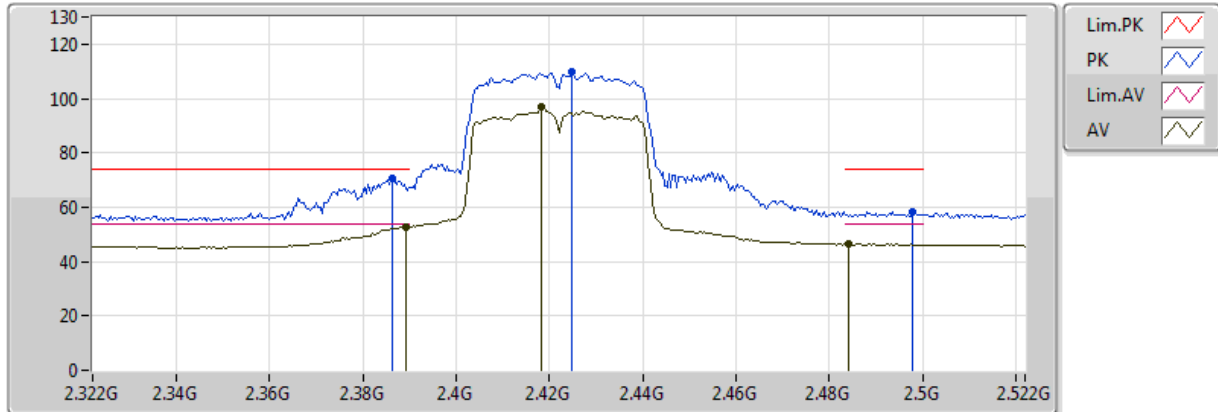


20170822  
 EUT\_Y\_4TX  
 Setting 19  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.923556G	32.20	54.00	-21.80	3.70	3	H	197	2.13	-
PK	4.923112G	45.83	74.00	-28.17	3.70	3	H	197	2.13	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX



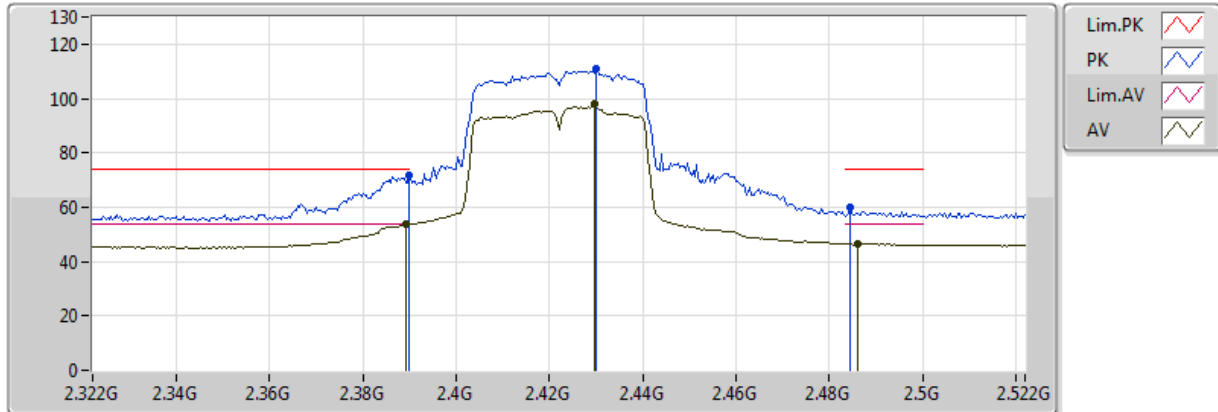
20170818  
EUT\_Y\_4TX  
Setting 18  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	52.92	54.00	-1.08	33.15	3	V	335	1.50	-
AV	2.4184G	96.91	Inf	-Inf	33.15	3	V	335	1.50	-
AV	2.484G	46.46	54.00	-7.54	33.19	3	V	335	1.50	-
PK	2.3864G	70.55	74.00	-3.45	33.15	3	V	335	1.50	-
PK	2.4248G	109.83	Inf	-Inf	33.15	3	V	335	1.50	-
PK	2.498G	58.48	74.00	-15.52	33.20	3	V	335	1.50	-



### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

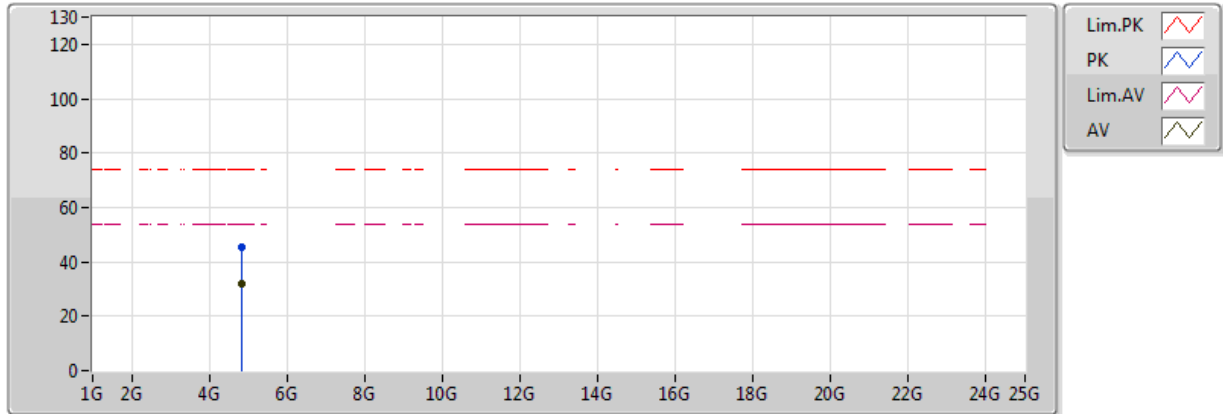


20170818  
EUT\_Y\_4TX  
Setting 18  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	53.98	54.00	-0.02	33.15	3	H	49	1.42	-
AV	2.4296G	97.85	Inf	-Inf	33.16	3	H	49	1.42	-
AV	2.486G	46.67	54.00	-7.33	33.19	3	H	49	1.42	-
PK	2.389998G	71.64	74.00	-2.36	33.15	3	H	49	1.42	-
PK	2.43G	110.71	Inf	-Inf	33.16	3	H	49	1.42	-
PK	2.4844G	59.73	74.00	-14.27	33.19	3	H	49	1.42	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

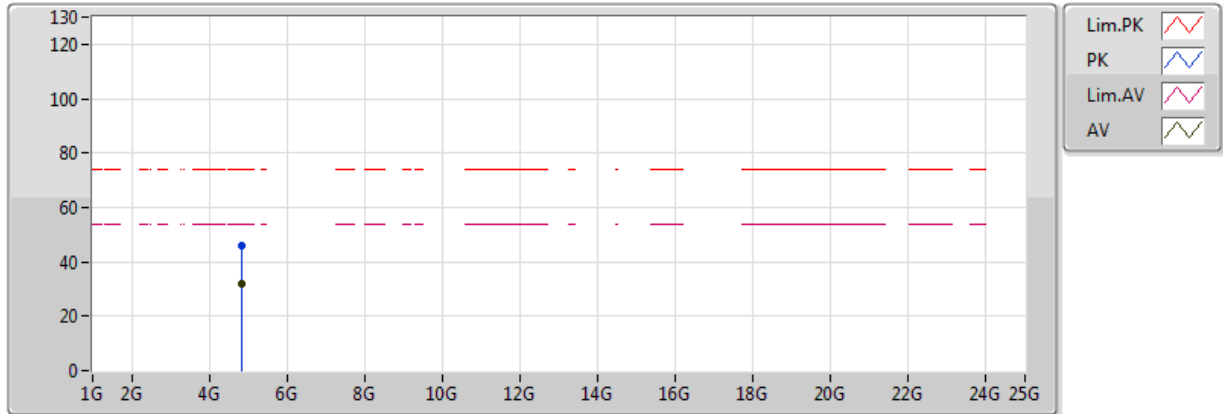


20170822  
 EUT\_Y\_4TX  
 Setting 18  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.842608G	31.73	54.00	-22.27	3.46	3	V	123	1.50	-
PK	4.84529G	45.63	74.00	-28.37	3.47	3	V	123	1.50	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

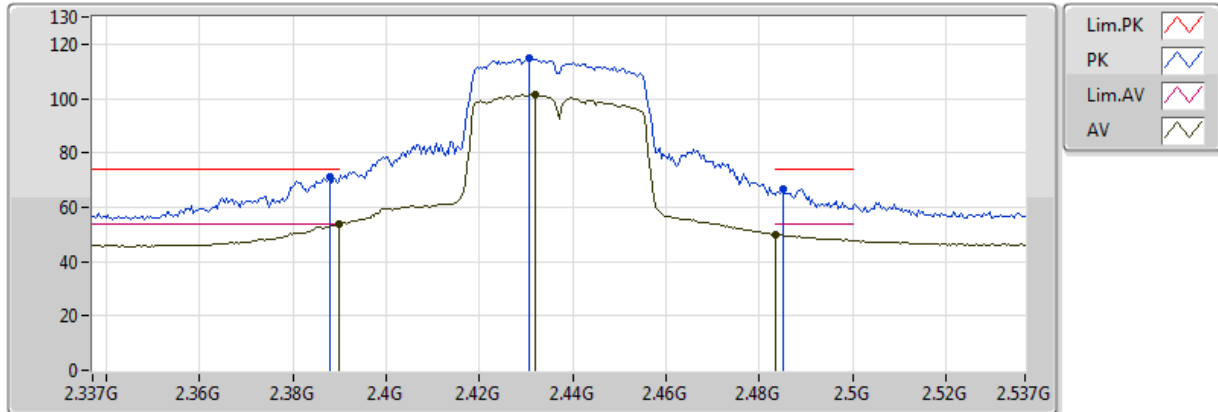


20170822  
EUT\_Y\_4TX  
Setting 18  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.84268G	31.70	54.00	-22.30	3.46	3	H	214	2.24	-
PK	4.842608G	46.06	74.00	-27.94	3.46	3	H	214	2.24	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

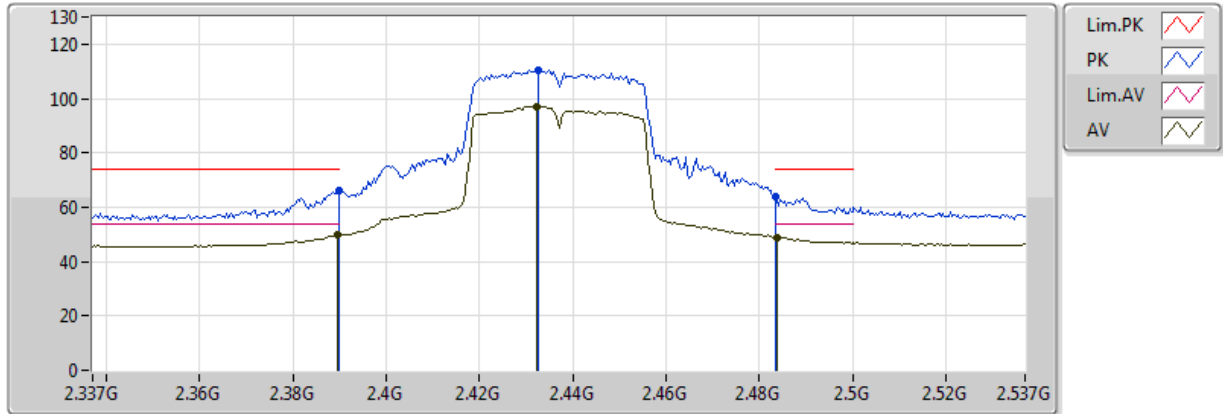


20170822  
EUT\_Y\_4TX  
Setting 19  
04-J-5  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	53.84	54.00	-0.16	33.15	3	V	270	1.86	-
AV	2.4318G	101.44	Inf	-Inf	33.16	3	V	270	1.86	-
AV	2.483502G	49.90	54.00	-4.10	33.19	3	V	270	1.86	-
PK	2.3878G	71.39	74.00	-2.61	33.15	3	V	270	1.86	-
PK	2.4306G	114.63	Inf	-Inf	33.16	3	V	270	1.86	-
PK	2.485G	66.88	74.00	-7.12	33.19	3	V	270	1.86	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

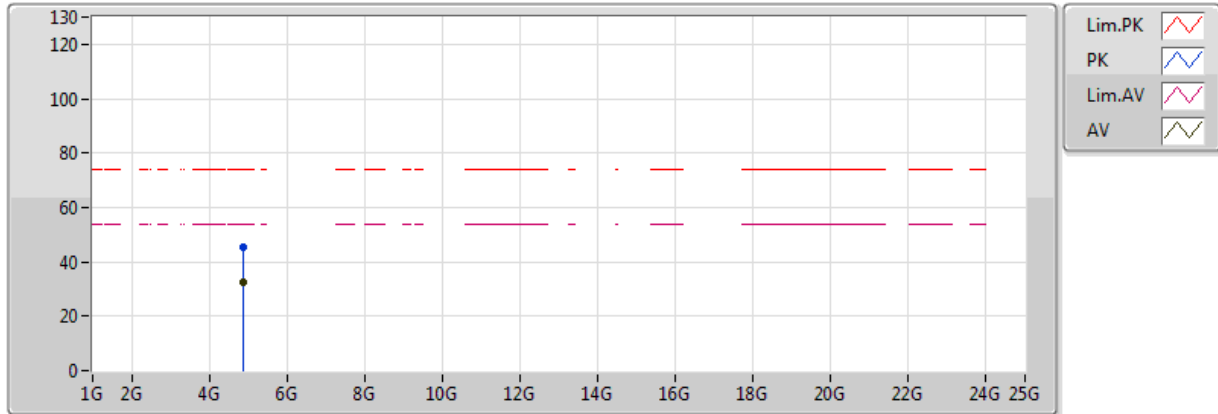


20170822  
EUT\_Y\_4TX  
Setting 19  
04-J-5  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	49.62	54.00	-4.38	33.15	3	H	225	1.02	-
AV	2.4322G	97.20	Inf	-Inf	33.16	3	H	225	1.02	-
AV	2.4838G	48.84	54.00	-5.16	33.19	3	H	225	1.02	-
PK	2.3898G	66.22	74.00	-7.78	33.15	3	H	225	1.02	-
PK	2.4326G	110.65	Inf	-Inf	33.16	3	H	225	1.02	-
PK	2.483502G	64.11	74.00	-9.89	33.19	3	H	225	1.02	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

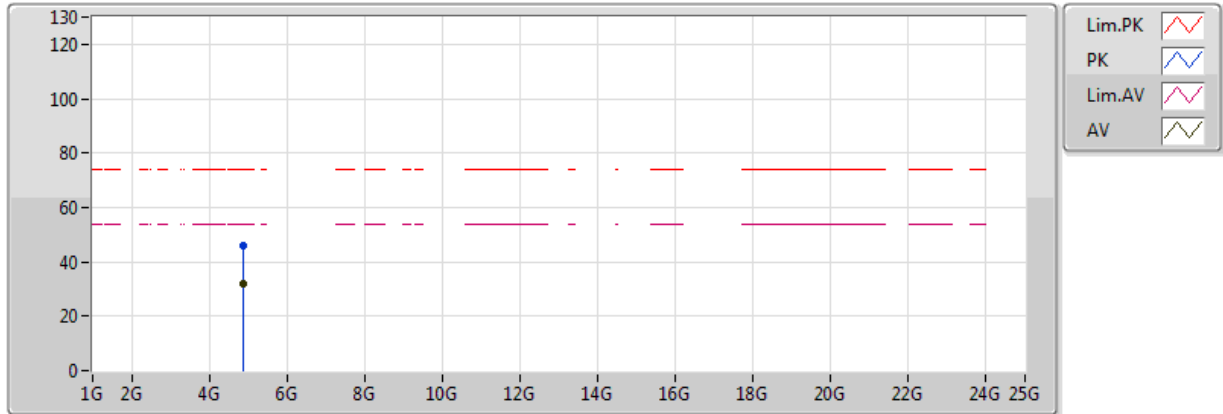


20170822  
EUT\_Y\_4TX  
Setting 19  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.875236G	32.58	54.00	-21.42	3.56	3	V	47	1.21	-
PK	4.874654G	45.24	74.00	-28.76	3.55	3	V	47	1.21	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

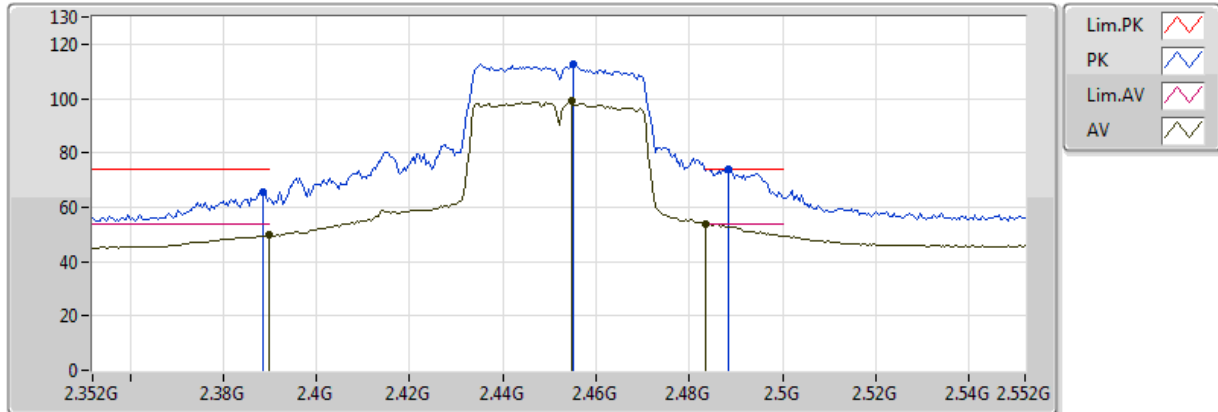


20170822  
EUT\_Y\_4TX  
Setting 19  
01-W-3  
FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.874816G	31.76	54.00	-22.24	3.55	3	H	284	1.50	-
PK	4.873808G	45.95	74.00	-28.05	3.55	3	H	284	1.50	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



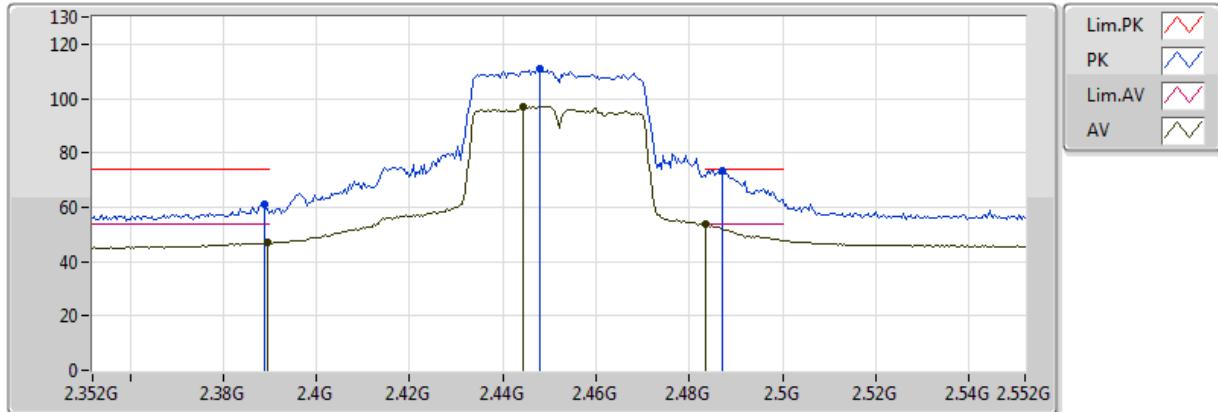
20170818  
EUT\_Y\_4TX  
Setting 18.5  
04-J-4  
FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.389998G	49.78	54.00	-4.22	33.15	3	V	72	2.23	-
AV	2.4548G	98.91	Inf	-Inf	33.17	3	V	72	2.23	-
AV	2.4836G	53.97	54.00	-0.03	33.19	3	V	72	2.23	-
PK	2.3884G	65.82	74.00	-8.18	33.15	3	V	72	2.23	-
PK	2.4552G	112.75	Inf	-Inf	33.17	3	V	72	2.23	-
PK	2.4884G	73.98	74.00	-0.02	33.19	3	V	72	2.23	-



### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

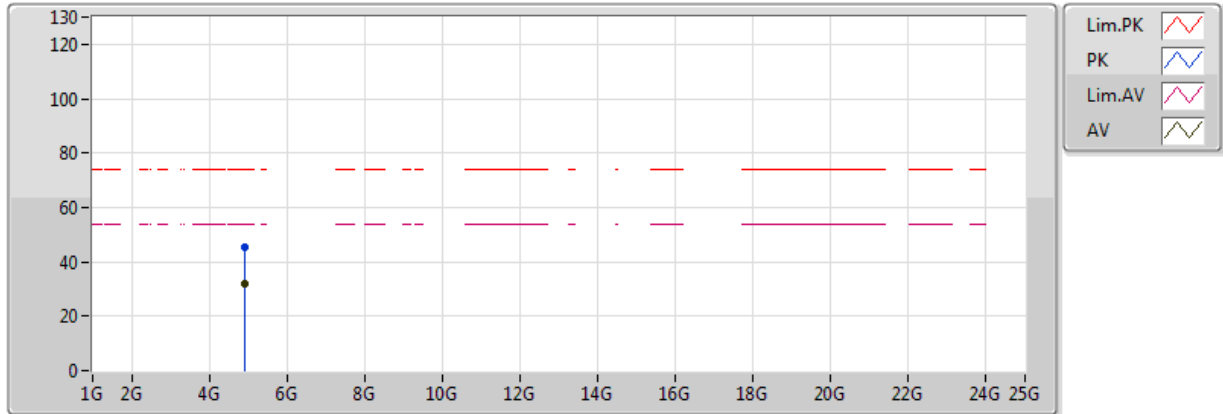


20170818  
 EUT\_Y\_4TX  
 Setting 18.5  
 04-J-4  
 FSP(100142)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	46.80	54.00	-7.20	33.15	3	H	45	1.05	-
AV	2.4444G	97.21	Inf	-Inf	33.17	3	H	45	1.05	-
AV	2.4836G	53.99	54.00	-0.01	33.19	3	H	45	1.05	-
PK	2.3888G	61.28	74.00	-12.72	33.15	3	H	45	1.05	-
PK	2.448G	110.72	Inf	-Inf	33.17	3	H	45	1.05	-
PK	2.4872G	73.41	74.00	-0.59	33.19	3	H	45	1.05	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

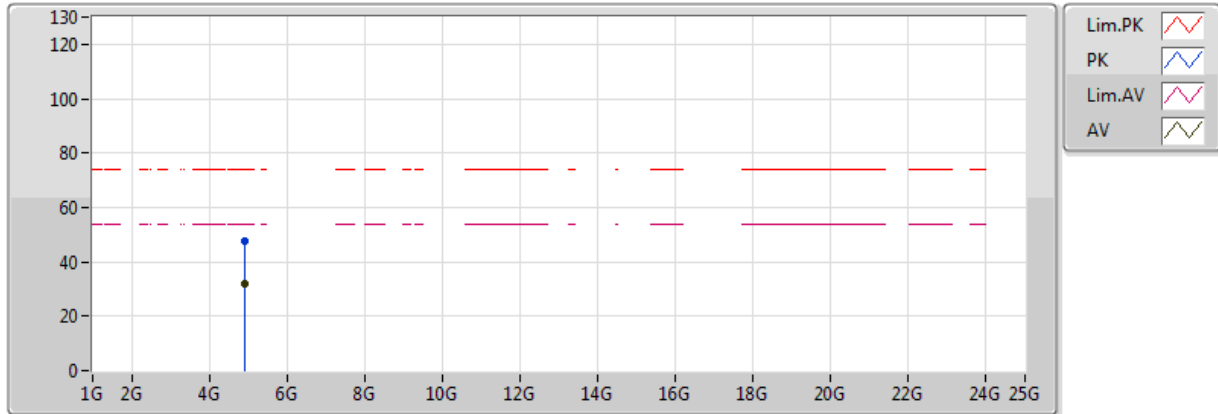


20170822  
 EUT\_Y\_4TX  
 Setting 18.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.90469G	32.04	54.00	-21.96	3.64	3	V	323	1.74	-
PK	4.903286G	45.65	74.00	-28.35	3.64	3	V	323	1.74	-

### 802.11ac VHT40\_Nss1,(MCS0)\_4TX

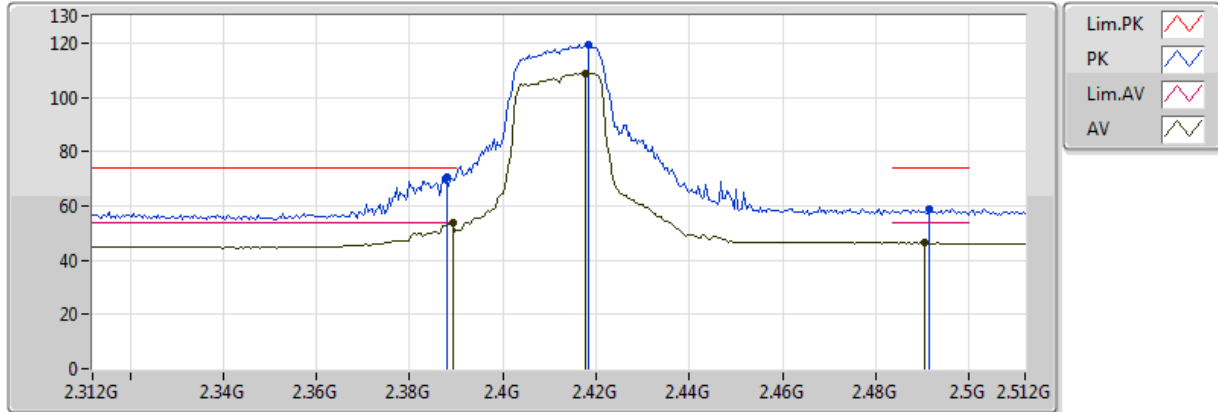
### 2452MHz\_TX



20170822  
 EUT\_Y\_4TX  
 Setting 18.5  
 01-W-3  
 FSP(100080)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.904624G	32.08	54.00	-21.92	3.64	3	H	126	1.99	-
PK	4.904498G	47.37	74.00	-26.63	3.64	3	H	126	1.99	-

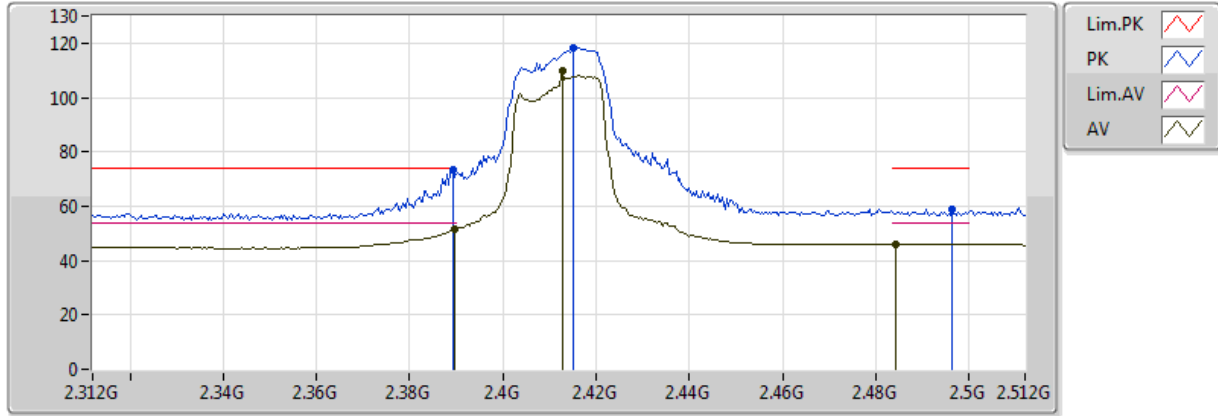
### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX 2412MHz\_TX



20170831  
EUT\_Y\_4TX  
Setting 18  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3892G	53.97	54.00	-0.03	33.15	3	V	342	1.65	-
AV	2.4176G	108.82	Inf	-Inf	33.25	3	V	342	1.65	-
AV	2.4904G	46.39	54.00	-7.61	33.51	3	V	342	1.65	-
PK	2.388G	70.82	74.00	-3.18	33.15	3	V	342	1.65	-
PK	2.4184G	119.59	Inf	-Inf	33.25	3	V	342	1.65	-
PK	2.4916G	58.86	74.00	-15.14	33.51	3	V	342	1.65	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX 2412MHz\_TX

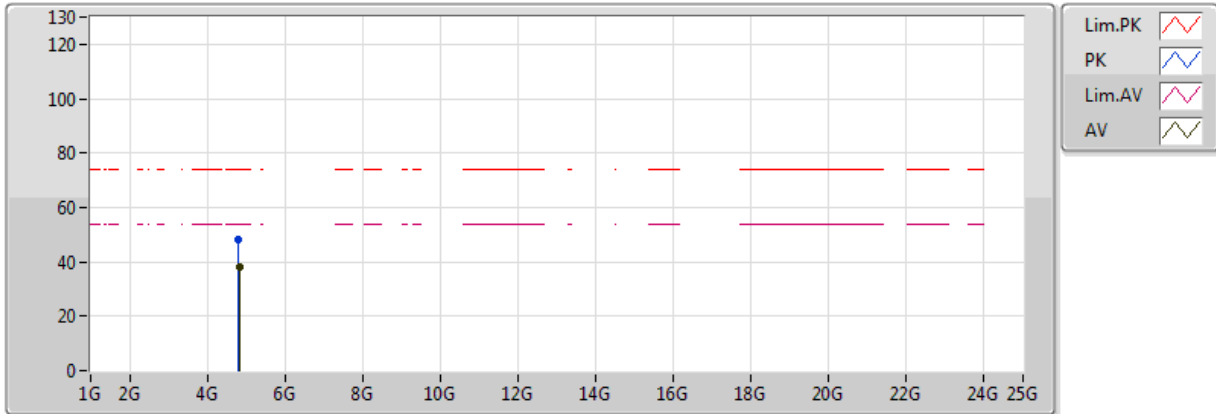


20170831  
EUT\_Y\_4TX  
Setting 18  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	51.52	54.00	-2.48	33.15	3	H	309	2.30	-
AV	2.4128G	109.59	Inf	-Inf	33.23	3	H	309	2.30	-
AV	2.4844G	46.10	54.00	-7.90	33.49	3	H	309	2.30	-
PK	2.3892G	73.66	74.00	-0.34	33.15	3	H	309	2.30	-
PK	2.4152G	118.09	Inf	-Inf	33.24	3	H	309	2.30	-
PK	2.4964G	58.88	74.00	-15.12	33.53	3	H	309	2.30	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

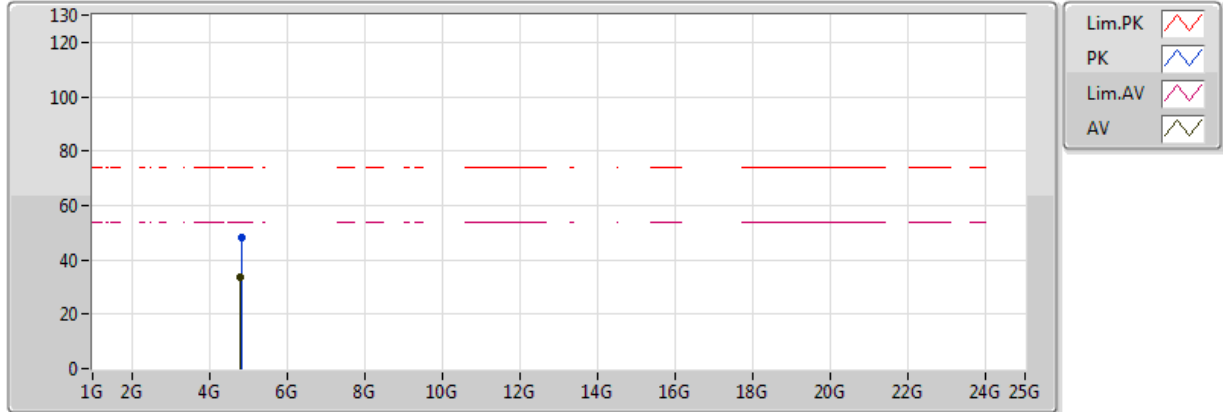


20170831  
EUT\_Y\_4TX  
Setting 18  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.82396G	38.08	54.00	-15.92	6.56	3	V	103	1.72	-
PK	4.81668G	48.06	74.00	-25.94	6.54	3	V	103	1.72	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2412MHz\_TX

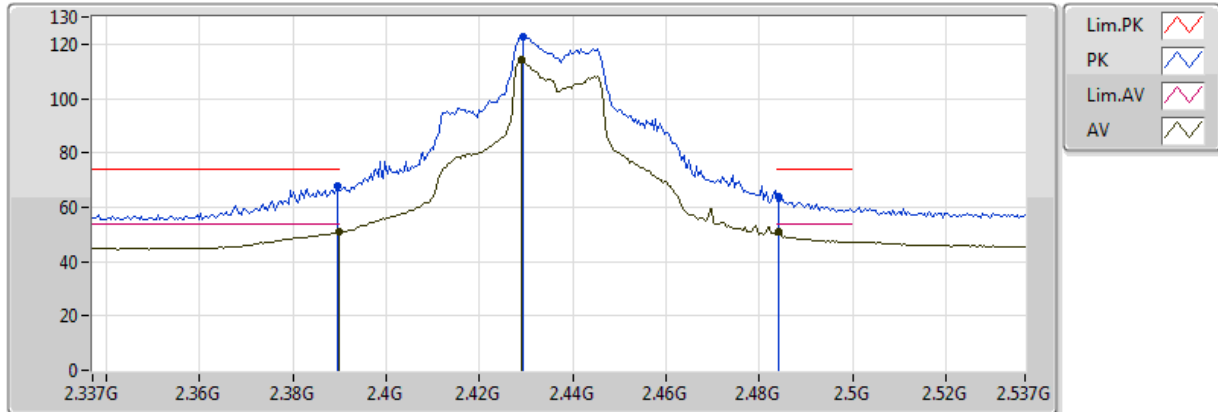


20170831  
EUT\_Y\_4TX  
Setting 18  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.81508G	33.87	54.00	-20.13	6.54	3	H	165	1.45	-
PK	4.81836G	47.98	74.00	-26.02	6.55	3	H	165	1.45	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX



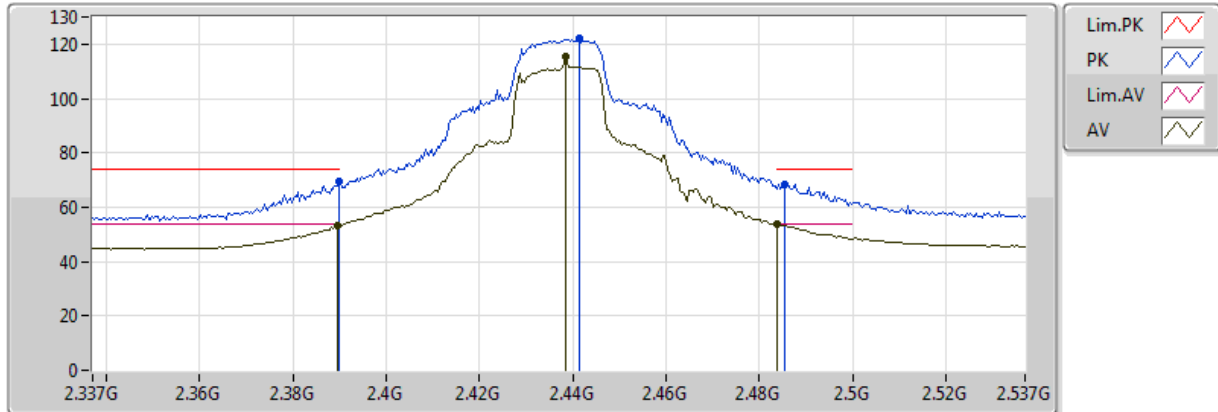
20170831  
 EUT\_Y\_4TX  
 Setting 24.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	50.93	54.00	-3.07	33.15	3	V	324	1.82	-
AV	2.429G	114.20	Inf	-Inf	33.29	3	V	324	1.82	-
AV	2.4842G	50.78	54.00	-3.22	33.48	3	V	324	1.82	-
PK	2.3894G	67.95	74.00	-6.05	33.15	3	V	324	1.82	-
PK	2.4294G	122.99	Inf	-Inf	33.29	3	V	324	1.82	-
PK	2.4842G	63.91	74.00	-10.09	33.48	3	V	324	1.82	-



### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

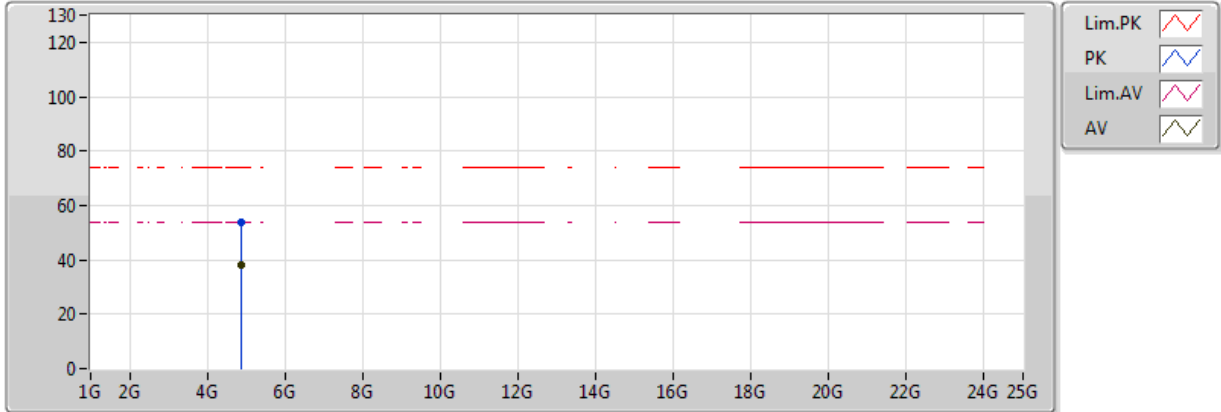


20170831  
EUT\_Y\_4TX  
Setting 24.5  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3894G	52.96	54.00	-1.04	33.15	3	H	47	1.78	-
AV	2.4386G	115.22	Inf	-Inf	33.33	3	H	47	1.78	-
AV	2.4838G	53.79	54.00	-0.21	33.48	3	H	47	1.78	-
PK	2.3898G	69.28	74.00	-4.72	33.15	3	H	47	1.78	-
PK	2.4414G	122.31	Inf	-Inf	33.33	3	H	47	1.78	-
PK	2.4854G	68.49	74.00	-5.51	33.49	3	H	47	1.78	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

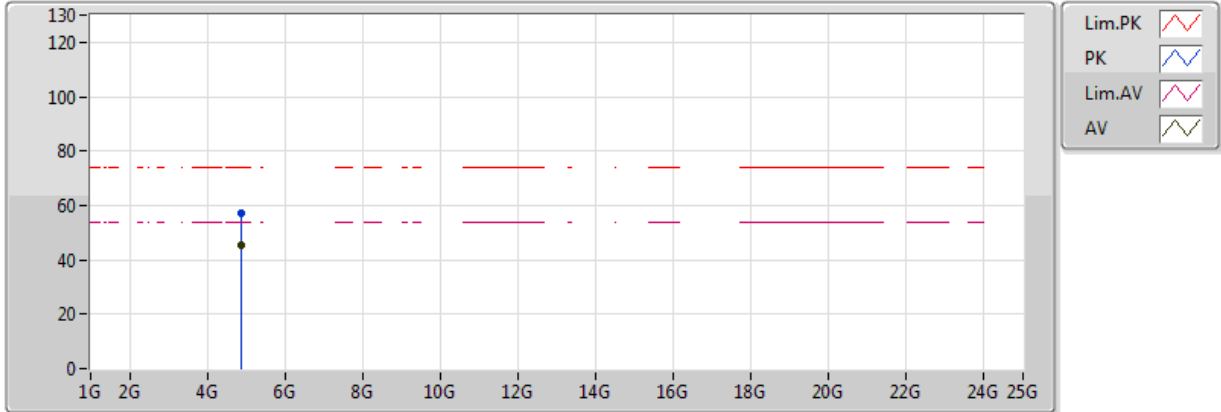


20170831  
EUT\_Y\_4TX  
Setting 24.5  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
PK	4.8638G	53.60	74.00	-20.40	6.69	3	V	184	1.70	-
AV	4.8649G	38.14	54.00	-15.86	6.69	3	V	184	1.70	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

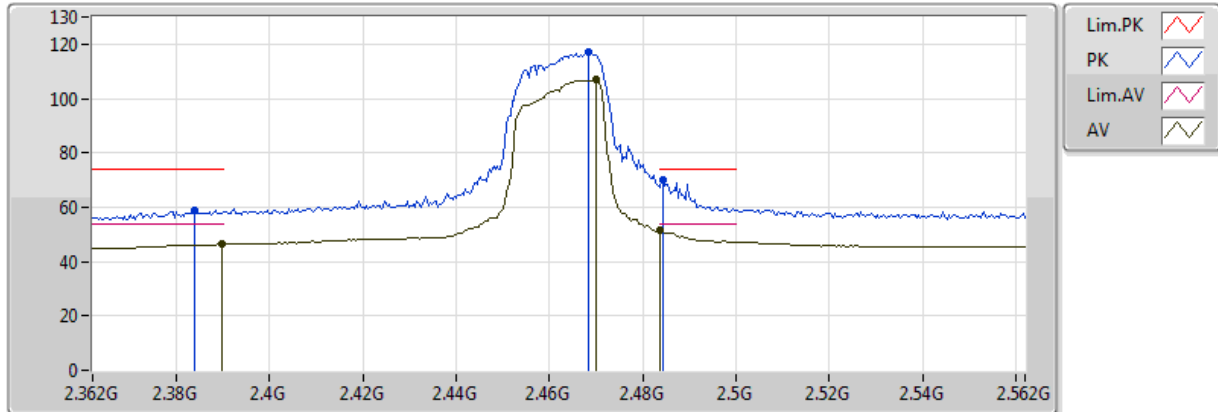


20170831  
 EUT\_Y\_4TX  
 Setting 24.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.87368G	45.45	54.00	-8.55	6.72	3	H	58	1.99	-
PK	4.87416G	57.30	74.00	-16.70	6.72	3	H	58	1.99	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

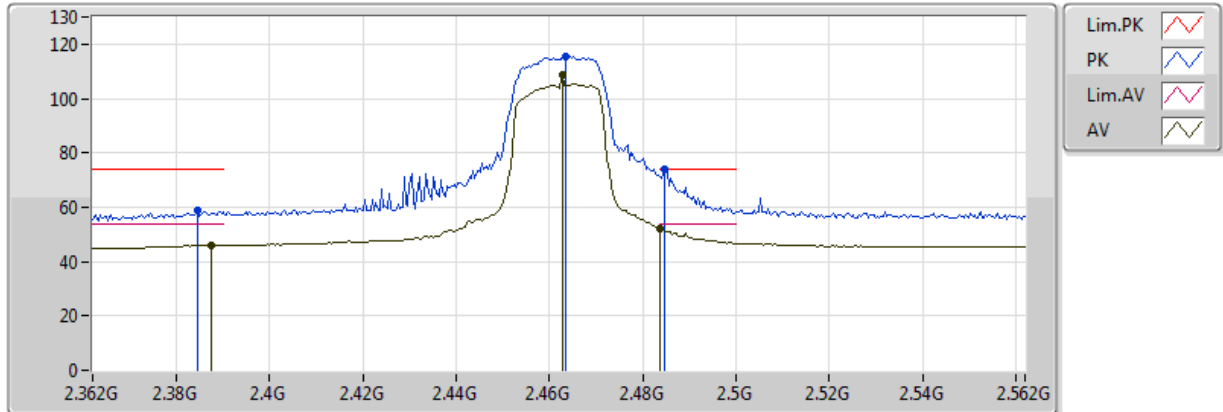


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	46.35	54.00	-7.65	33.15	3	V	119	1.97	-
AV	2.47G	106.84	Inf	-Inf	33.44	3	V	119	1.97	-
AV	2.4836G	51.68	54.00	-2.32	33.48	3	V	119	1.97	-
PK	2.384G	58.88	74.00	-15.12	33.13	3	V	119	1.97	-
PK	2.4684G	117.14	Inf	-Inf	33.43	3	V	119	1.97	-
PK	2.4844G	70.11	74.00	-3.89	33.49	3	V	119	1.97	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

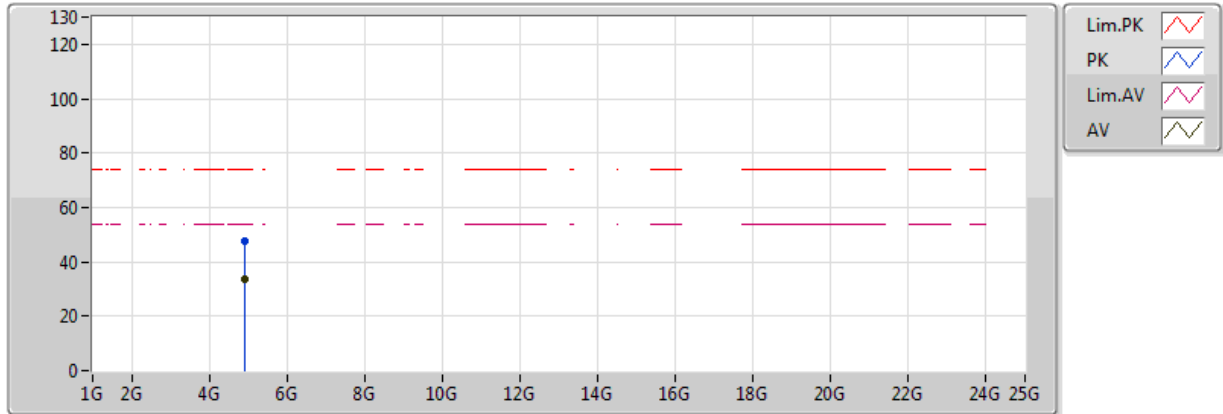


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3876G	46.04	54.00	-7.96	33.15	3	H	331	1.19	-
AV	2.4628G	108.98	Inf	-Inf	33.41	3	H	331	1.19	-
AV	2.4836G	52.23	54.00	-1.77	33.48	3	H	331	1.19	-
PK	2.3844G	58.58	74.00	-15.42	33.14	3	H	331	1.19	-
PK	2.4636G	115.48	Inf	-Inf	33.41	3	H	331	1.19	-
PK	2.4848G	73.93	74.00	-0.07	33.49	3	H	331	1.19	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

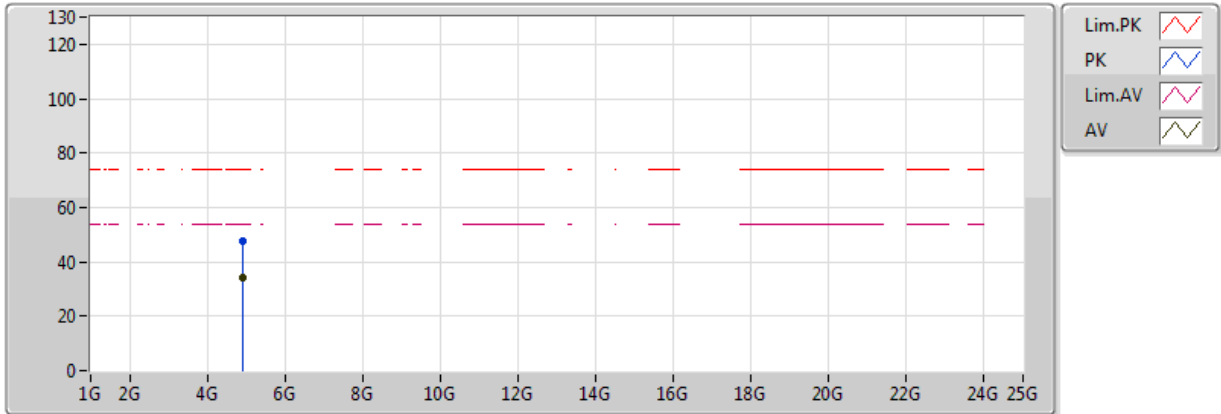


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.91516G	33.68	54.00	-20.32	6.85	3	V	136	1.29	-
PK	4.92964G	47.66	74.00	-26.34	6.89	3	V	136	1.29	-

### 802.11ac VHT20-BF\_Nss1,(MCS0)\_4TX

### 2462MHz\_TX

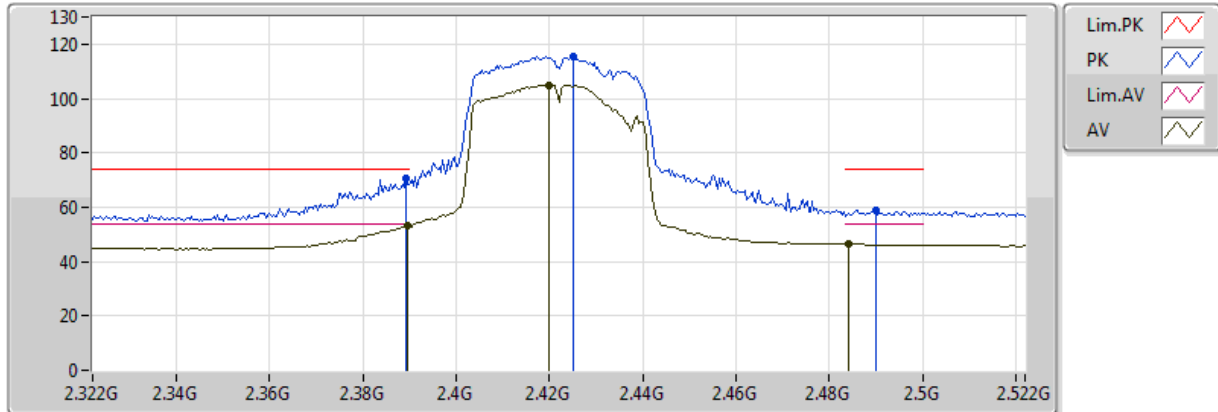


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.92412G	34.30	54.00	-19.70	6.87	3	H	303	2.02	-
PK	4.92824G	47.59	74.00	-26.41	6.88	3	H	303	2.02	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX



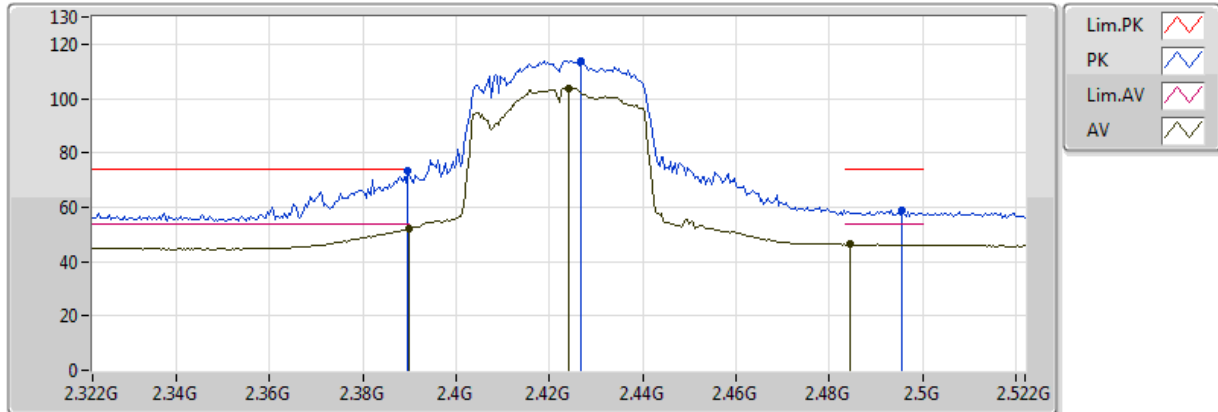
20170831  
EUT\_Y\_4TX  
Setting 17.5  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	52.96	54.00	-1.04	33.15	3	V	338	1.64	-
AV	2.42G	104.94	Inf	-Inf	33.26	3	V	338	1.64	-
AV	2.484G	46.44	54.00	-7.56	33.48	3	V	338	1.64	-
PK	2.3892G	70.77	74.00	-3.23	33.15	3	V	338	1.64	-
PK	2.4252G	115.60	Inf	-Inf	33.28	3	V	338	1.64	-
PK	2.49G	58.63	74.00	-15.37	33.51	3	V	338	1.64	-



### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

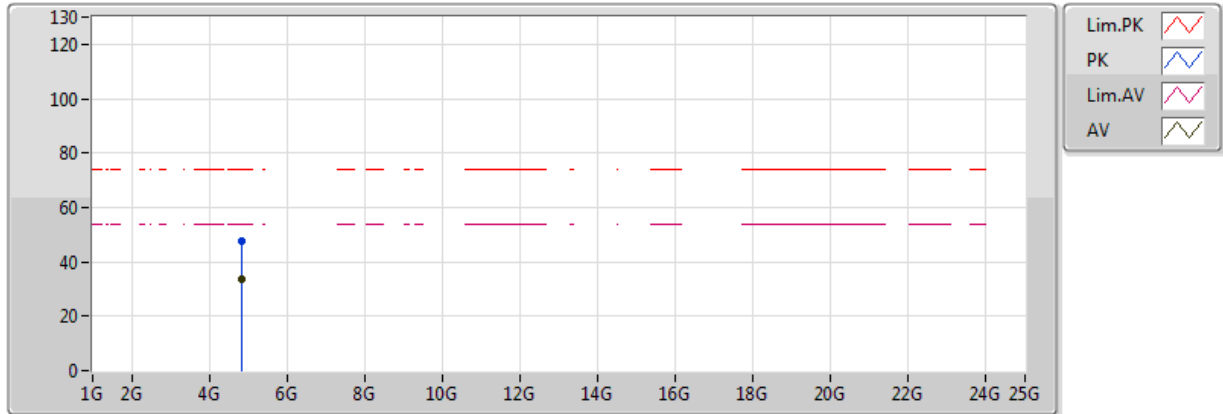


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.39G	52.20	54.00	-1.80	33.16	3	H	309	2.03	-
AV	2.424G	103.93	Inf	-Inf	33.27	3	H	309	2.03	-
AV	2.4844G	46.30	54.00	-7.70	33.49	3	H	309	2.03	-
PK	2.3896G	73.68	74.00	-0.32	33.15	3	H	309	2.03	-
PK	2.4268G	113.70	Inf	-Inf	33.28	3	H	309	2.03	-
PK	2.4956G	59.07	74.00	-14.93	33.52	3	H	309	2.03	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

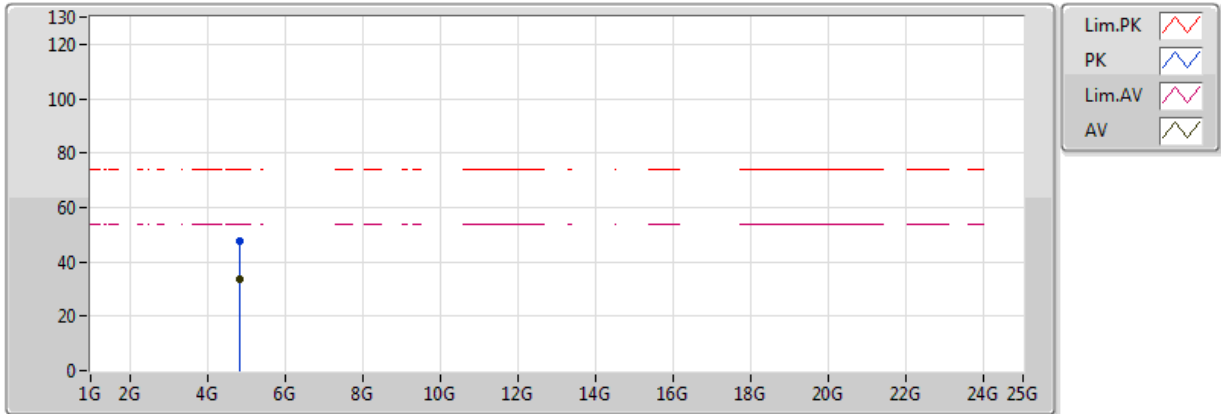


20170831  
EUT\_Y\_4TX  
Setting 17.5  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.83428G	33.66	54.00	-20.34	6.60	3	V	248	1.04	-
PK	4.84176G	47.45	74.00	-26.55	6.62	3	V	248	1.04	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2422MHz\_TX

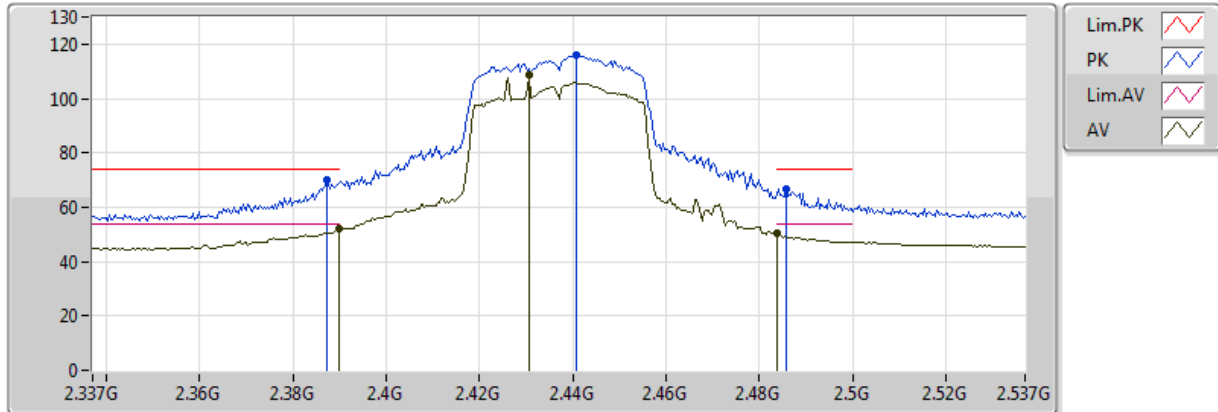


20170831  
 EUT\_Y\_4TX  
 Setting 17.5  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.84552G	33.75	54.00	-20.25	6.63	3	H	136	1.44	-
PK	4.8468G	47.59	74.00	-26.41	6.64	3	H	136	1.44	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

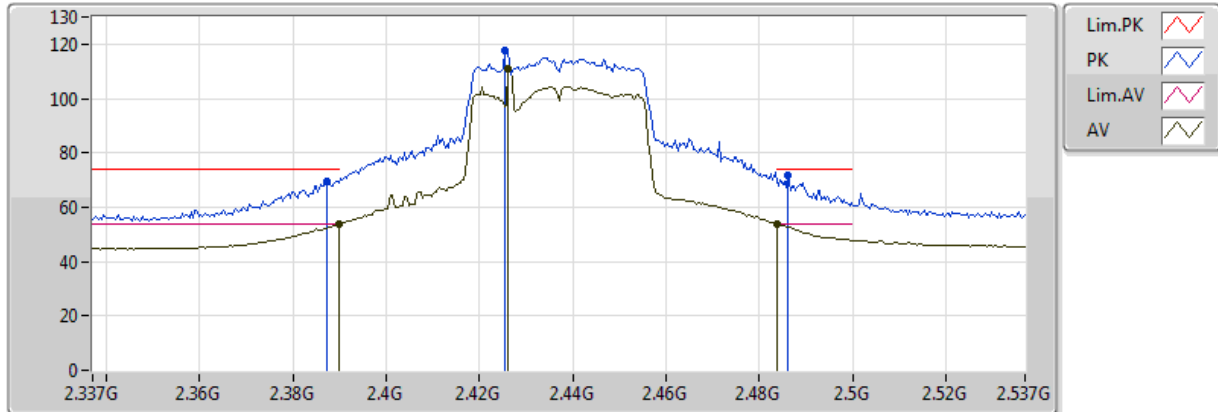


20170831  
 EUT\_Y\_4TX  
 Setting 19  
 06-J-4  
 FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	51.91	54.00	-2.09	33.15	3	V	357	1.21	-
AV	2.4306G	108.62	Inf	-Inf	33.30	3	V	357	1.21	-
AV	2.4838G	50.24	54.00	-3.76	33.48	3	V	357	1.21	-
PK	2.3874G	70.15	74.00	-3.85	33.15	3	V	357	1.21	-
PK	2.4406G	115.77	Inf	-Inf	33.33	3	V	357	1.21	-
PK	2.4858G	66.95	74.00	-7.05	33.49	3	V	357	1.21	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

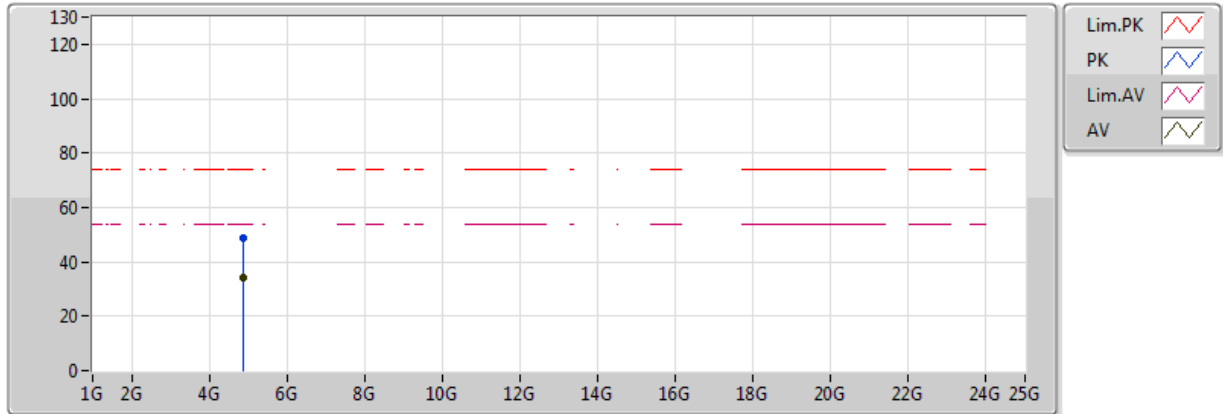


20170831  
EUT\_Y\_4TX  
Setting 19  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3898G	53.71	54.00	-0.29	33.15	3	H	44	1.61	-
AV	2.4262G	110.69	Inf	-Inf	33.28	3	H	44	1.61	-
AV	2.4838G	53.91	54.00	-0.09	33.48	3	H	44	1.61	-
PK	2.3874G	69.73	74.00	-4.27	33.15	3	H	44	1.61	-
PK	2.4254G	117.59	Inf	-Inf	33.28	3	H	44	1.61	-
PK	2.4862G	71.97	74.00	-2.03	33.49	3	H	44	1.61	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

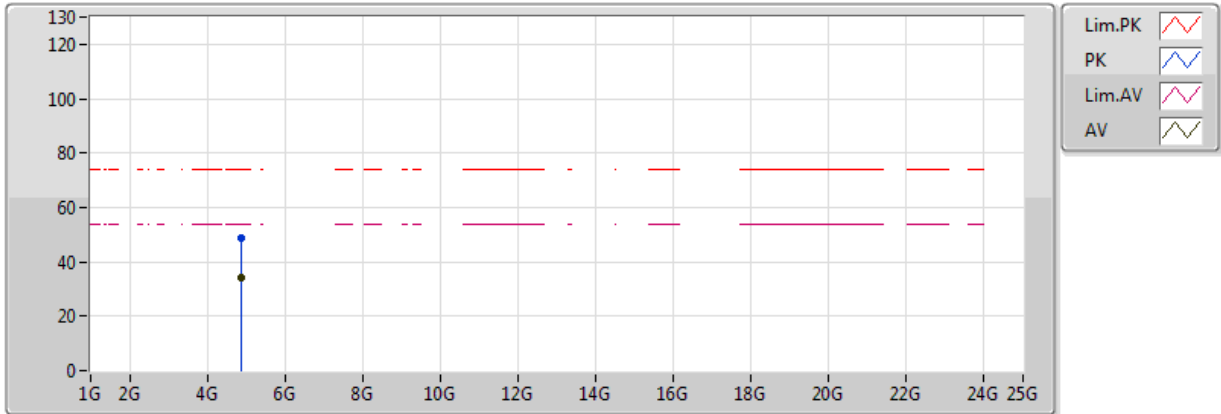


20170831  
EUT\_Y\_4TX  
Setting 19  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.86856G	34.07	54.00	-19.93	6.70	3	V	146	1.89	-
PK	4.86792G	48.85	74.00	-25.15	6.70	3	V	146	1.89	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2437MHz\_TX

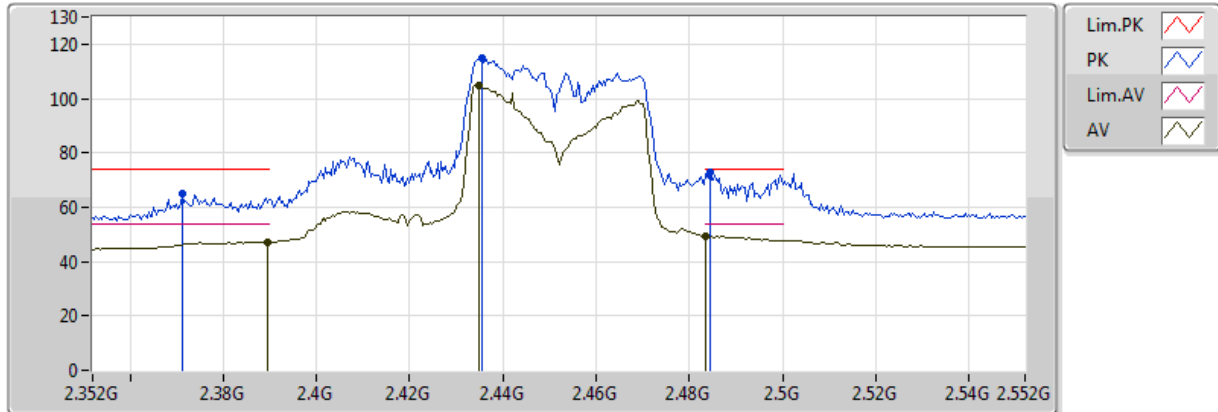


20170831  
EUT\_Y\_4TX  
Setting 19  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.88204G	34.16	54.00	-19.84	6.74	3	H	201	1.73	-
PK	4.87488G	48.66	74.00	-25.34	6.72	3	H	201	1.73	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



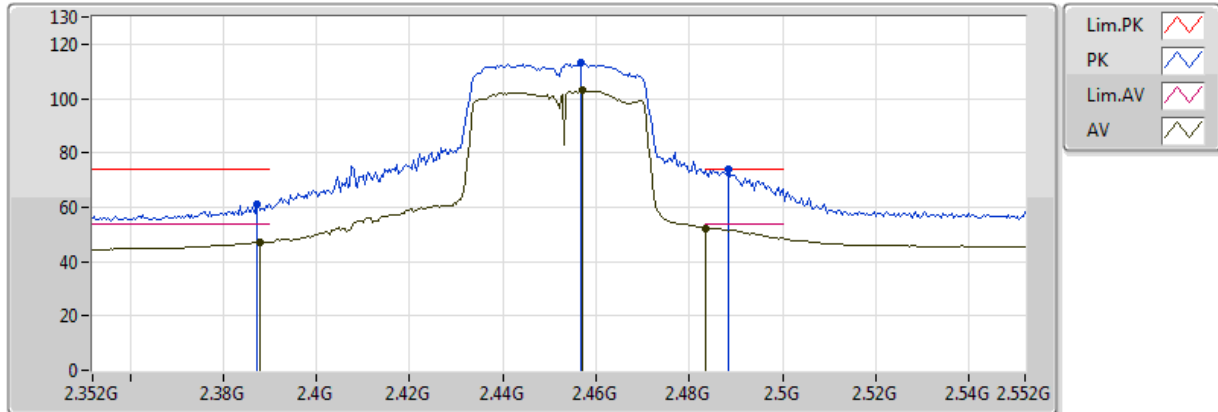
20170831  
EUT\_Y\_4TX  
Setting 17  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.3896G	47.33	54.00	-6.67	33.15	3	V	156	1.53	-
AV	2.4348G	104.62	Inf	-Inf	33.31	3	V	156	1.53	-
AV	2.4836G	49.22	54.00	-4.78	33.48	3	V	156	1.53	-
PK	2.3712G	65.16	74.00	-8.84	33.09	3	V	156	1.53	-
PK	2.4356G	114.79	Inf	-Inf	33.31	3	V	156	1.53	-
PK	2.4844G	73.04	74.00	-0.96	33.49	3	V	156	1.53	-



### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

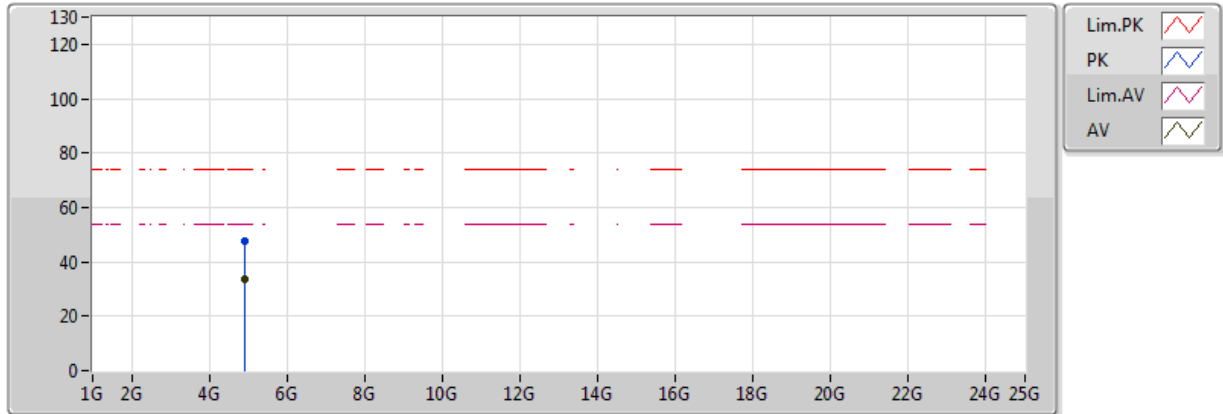


20170831  
EUT\_Y\_4TX  
Setting 17  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	2.388G	47.22	54.00	-6.78	33.15	3	H	44	1.50	-
AV	2.4572G	102.89	Inf	-Inf	33.39	3	H	44	1.50	-
AV	2.4836G	52.35	54.00	-1.65	33.48	3	H	44	1.50	-
PK	2.3872G	61.29	74.00	-12.71	33.15	3	H	44	1.50	-
PK	2.4568G	113.12	Inf	-Inf	33.39	3	H	44	1.50	-
PK	2.4884G	73.99	74.00	-0.01	33.50	3	H	44	1.50	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX

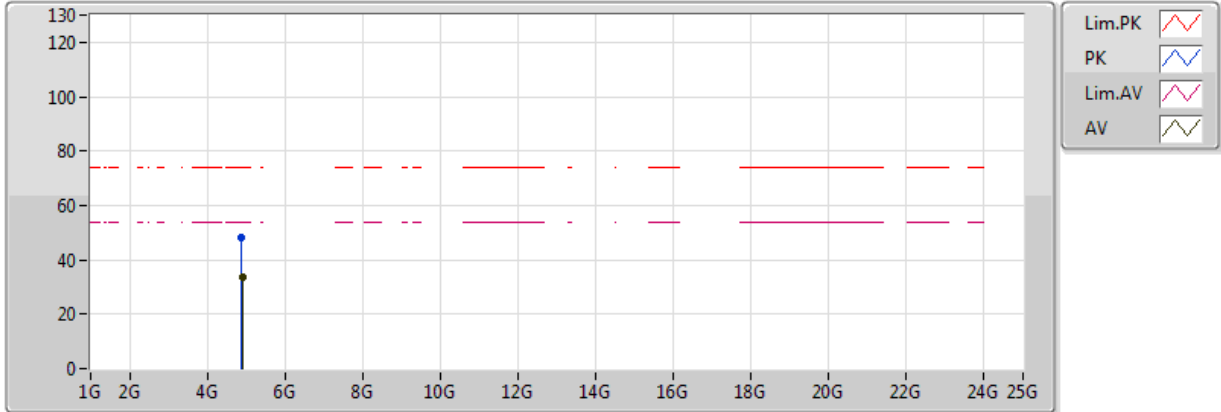


20170831  
EUT\_Y\_4TX  
Setting 17  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.8984G	33.85	54.00	-20.15	6.80	3	V	147	2.38	-
PK	4.90116G	47.87	74.00	-26.13	6.80	3	V	147	2.38	-

### 802.11ac VHT40-BF\_Nss1,(MCS0)\_4TX

### 2452MHz\_TX



20170831  
EUT\_Y\_4TX  
Setting 17  
06-J-4  
FSP(100056)

Type	Freq(Hz)	Level(dBuV/m)	Limit(dBuV/m)	Margin(dB)	Factor(dB)	Dist(m)	Pol.(H/V)	Azimuth(°)	Height(m)	Comments
AV	4.90152G	33.88	54.00	-20.12	6.80	3	H	44	2.25	-
PK	4.8954G	48.36	74.00	-25.64	6.79	3	H	44	2.25	-