



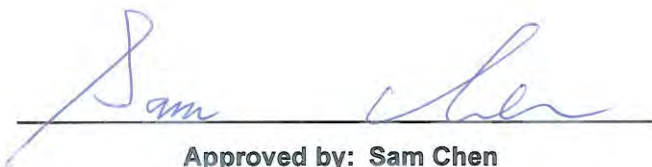
# FCC RADIO TEST REPORT

**FCC ID** : TOR-C130  
**Equipment** : 802.11a/b/g/n/ac AP  
**Brand Name** : MOJO , ARISTA  
**Model Name** : C-130E  
**Applicant** : Mojo Networks, Inc.  
5453 Great America Parkway Santa Clara, CA  
95054 United States  
**Manufacturer** : Mojo Networks, Inc.  
5453 Great America Parkway Santa Clara, CA  
95054 United States  
**Standard** : 47 CFR FCC Part 15.247

The product was received on Jan. 24, 2019, and testing was started from Jan. 31, 2019 and completed on Apr. 16, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

  
Approved by: Sam Chen

**SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory**  
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)



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## History of this test report

TEL : 886-3-656-9065  
FAX : 886-3-656-9085  
Report Template No.: CB Ver1.0

Page Number : 3 of 33  
Issued Date : Apr. 29, 2019  
Report Version : 01



## Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

**Declaration of Conformity:**

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

**Comments and Explanations:**

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

**Reviewed by: Sam Chen**

**Report Producer: Viola Huang**



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

#### For Radio 1

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	VHT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	VHT40	40	4TX

#### For Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	2TX
2.4-2.4835GHz	802.11g	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	VHT20	20	2TX
2.4-2.4835GHz	802.11n HT40	40	2TX
2.4-2.4835GHz	VHT40	40	2TX

#### Note:

- ♦ 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- ♦ 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ 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	P/N	Antenna Type	Connector	Gain (dBi)
1	1	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	Note 1
2	2	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
3	3	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
4	4	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
5	1	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	
6	2	WNC	XKAJ-N04	Dipole antenna	Reversed-SMA	

Note 1:

Ant.	Port	Antenna Gain (dBi)				Cable Loss (dB)				True Gain (dBi)			
		Radio 1	Radio 2	Radio 3	Radio 3	Radio 1	Radio 2	Radio 3	Radio 3	Radio 1	Radio 2	Radio 3	Radio 3
		(2.4G)	(5G)	(2.4G)	(5G)	(2.4G)	(5G)	(2.4G)	(5G)	(2.4G)	(5G)	(2.4G)	(5G)
1	1	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
2	2	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
3	3	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
4	4	4.32	5.04	-	-	1.5	3.5	-	-	2.82	1.54	-	-
5	1	-	-	4.32	5.04	-	-	1.0	1.8	-	-	3.32	3.24
6	2	-	-	4.32	5.04	-	-	1.0	1.8	-	-	3.32	3.24

Note 2: The above information was declared by manufacturer.

Note 3:

#### For radio 1 and radio 2 (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 radio 3 (Scan radio) (2TX/2RX)

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

Port 1 and Port 2 can transmit/receive simultaneously.

**1.1.3 Mode Test Duty Cycle**

For radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.994	0.026	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11g	0.971	0.128	2.068m	1k
VHT20	0.987	0.057	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
VHT40	0.973	0.119	2.44m	1k

For radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11b	0.967	0.146	2.081m	1k
802.11g	0.967	0.146	2.081m	1k
VHT20	0.963	0.164	1.95m	1k
VHT40	0.925	0.339	955u	3k

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

**1.1.4 EUT Operational Condition**

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
Function	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
Test Software Version	QCARCT Ver3.0.211.0			

Note: The above information was declared by manufacturer.



### 1.1.5 Table for Multiple Listing

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

Model Name	Brand Name	Description
C-130E	MOJO	The EUT has two brand names, all the brand are identical, the difference brand name served as marketing strategy.
	ARISTA	

### 1.1.6 Table for radio information

Radio	Function
Radio 1	2.4GHz
Radio 2	5GHz
Radio 3	2.4GHz / 5GHz (Scan Radio)

### 1.1.7 Table for Class II Change

This product is an extension of original one reported under Sporton project number: 641226-02AA

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
1. Adding EUT of external antenna. Based on above modification: 2. Adding model name: C-130E. 3. Adding six antennas (brand name: WNC, P/N number: XKAJ-N04).	All test item
4. Adding a brand name "ARISTA". 5. Removing the RJ-45 cable. 6. Removing the beamforming function. 7. Removing the 80+80 mode (5210+5775MHz). 8. Changing the applicant/manufacture address to "5453 Great America Parkway Santa Clara, CA 95054 United States" from "339 N. Bernardo Avenue, Suite #200 Mountain View, CA 94043 United States".	it's not necessary to test.





## 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 v05r01
- ♦ FCC KDB 662911 D01 v02r01

## 1.3 Testing Location Information

Testing Location				
<input type="checkbox"/>	HWA YA	ADD : No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)	TEL : 886-3-327-3456	FAX : 886-3-327-0973
<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	Owen Hsu	22°C~24°C / 53%~55%	Apr. 08, 2019~Apr. 16, 2019
Radiated below 1GHz	03CH01-CB	Stim Sung	24°C / 58%	Jan. 31, 2019~Feb. 01, 2019
Radiated above 1GHz	03CH01-CB	Bruce Yang	22°C~25°C / 56%~60%	Apr. 06, 2019~Apr. 15, 2019
AC Conduction	CO02-CB	Wei Li	25.3°C~25.6°C / 58.1%~58.4%	Feb. 11, 2019

Test site Designation No. TW0006 with FCC.

Test site registered number IC 4086B 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)	2.0 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	$9.74 \times 10^{-8}$	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

For Radio 1

Mode	PowerSetting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	20
2437MHz	20.5
2457MHz	20
2462MHz	19
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	14
2417MHz	17
2437MHz	19.5
2462MHz	16.5
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	13
2417MHz	16.5
2437MHz	20
2457MHz	18
2462MHz	16
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	11
2437MHz	13
2452MHz	14

**For Radio 3**

<b>Mode</b>	<b>PowerSetting</b>
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	20
2417MHz	22
2437MHz	25
2457MHz	21.5
2462MHz	21
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	17.5
2417MHz	18.5
2437MHz	23.5
2457MHz	18.5
2462MHz	18
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19
2437MHz	24
2457MHz	18.5
2462MHz	17.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	11
2427MHz	14.5
2437MHz	18.5
2447MHz	17
2452MHz	14

**Note:**

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



## 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 + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
2	EUT + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + adapter
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + PoE
Mode 3 generated the worst test result, so it was recorded in this 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
1	Radio 1
2	Radio 3

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 + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
2	EUT in Y axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + adapter
Mode 1 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3 will follow this same test mode.	
3	EUT in Z axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (5GHz) + adapter
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 will follow this same test mode.	
4	EUT in Z axis + Radio 1 (2.4GHz) + Radio 2 (5GHz) + Radio 3 (2.4GHz) + PoE
Mode 1 generated the worst test result, so it was recorded in this report.	



<b>Operating Mode &gt; 1GHz</b>	CTX
	For Radio 1 The EUT was performed at Y axis and Z axis position and the worst case was found at Z axis for harmonic and the worst case was found at Y axis for bandedge. So the measurement will follow this same test configuration.
	For Radio 3 The EUT was performed at Y axis and Z axis position and the worst case was found at Z axis. So the measurement will follow this same test configuration.
1	Radio 1 (2.4GHz) - EUT in Z axis for harmonic and EUT in Y axis for bandedge
2	Radio 3 (2.4GHz) - EUT in Z axis

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Radiated Emission Co-location
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode</b>	Normal Link
	EUT in Z axis has been evaluated to be the worst case at Emissions in Restricted Frequency Bands test below 1GHz; thus, the measurement for Radiated Emission Co-location test will follow this same test configuration
1	EUT in Z axis - Radio 1 (2.4GHz) + Radio 2 (5GHz)
Refer to Appendix G for Radiated Emission Co-location.	

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
<b>Operating Mode</b>	
1	Radio1 (2.4G) + Radio2 (5G) + Radio3 (2.4G)
2	Radio1 (2.4G) + Radio2 (5G) + Radio3 (5G)
Refer to Sporton Test Report No.: FA641226-21 for Co-location RF Exposure Evaluation.	

Note:

1. The PoE information as below, The PoE is for measurement only and it would not be marketed.

<b>Support Unit</b>	<b>Brand</b>	<b>Model</b>	<b>FCC ID</b>
PoE	Frecom	PGSA34D01-540060	N/A

2. The console port can not be used by end user. It is generally used for debugging by professional installer.

## **2.3 EUT Operation during Test**

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.



## 2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	APD	WA-24Q12R	INPUT: 100-240V~,50-60Hz, 0.7A Max OUTPUT: 12V, 2A
Others			
US Plug*1			

## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0	Transcend	JetFlash-700	N/A
B	LAN0 NB	DELL	E6430	N/A
C	LAN1 NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A
E	2.4G NB	DELL	E6430	N/A
F	2.4/5G NB	DELL	E6430	N/A
G	PoE	Frecom	PGSA34D01-540060	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	Apple	Mac Book	N/A
B	NB	Apple	Mac Book	N/A
C	NB	Apple	Mac Book	N/A
D	NB	DELL	E4300	N/A
E	NB	DELL	E4300	N/A
F	Flash disk	Silicon Power	I-Series	N/A

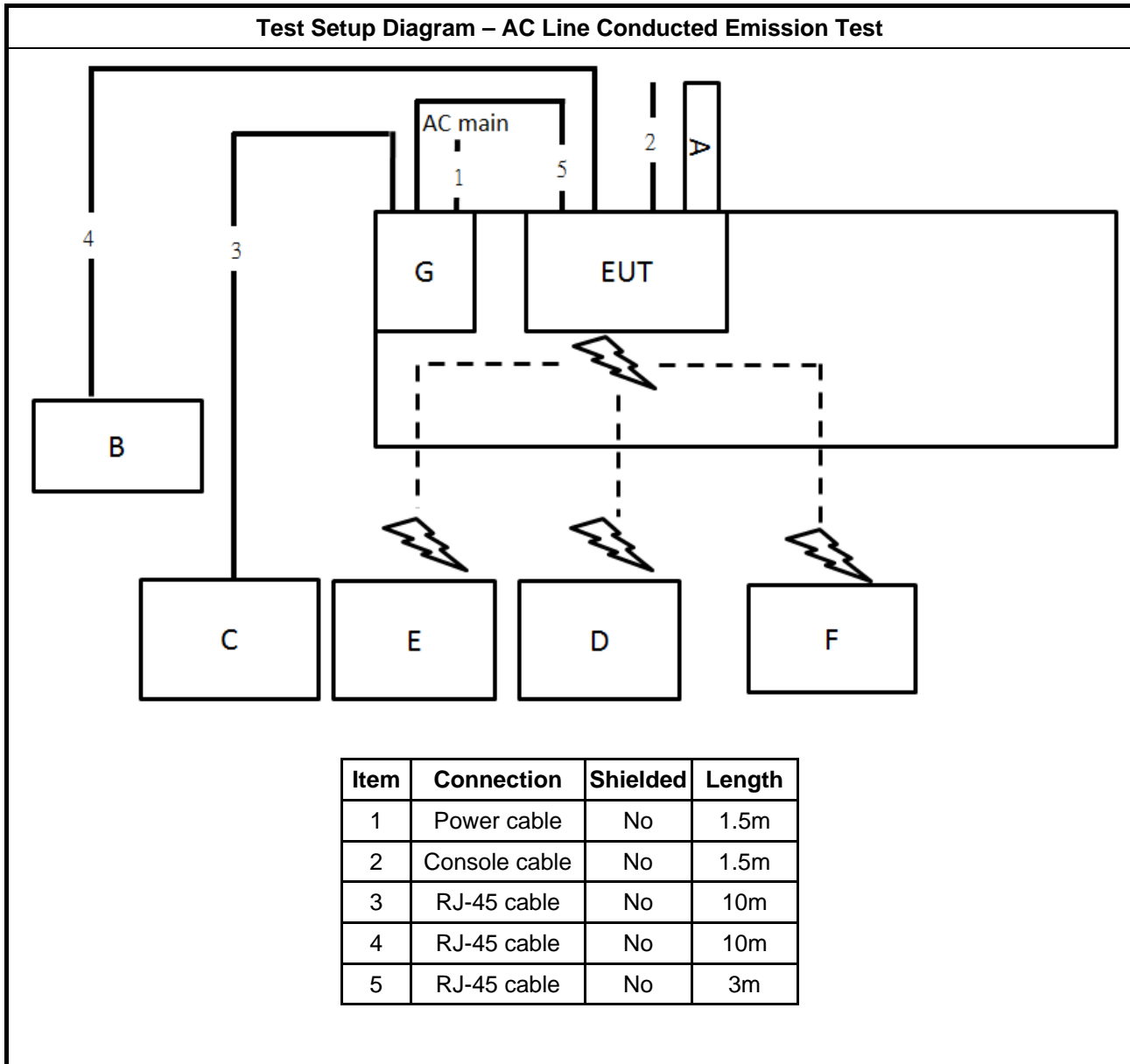
**For Radiated (above 1GHz):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

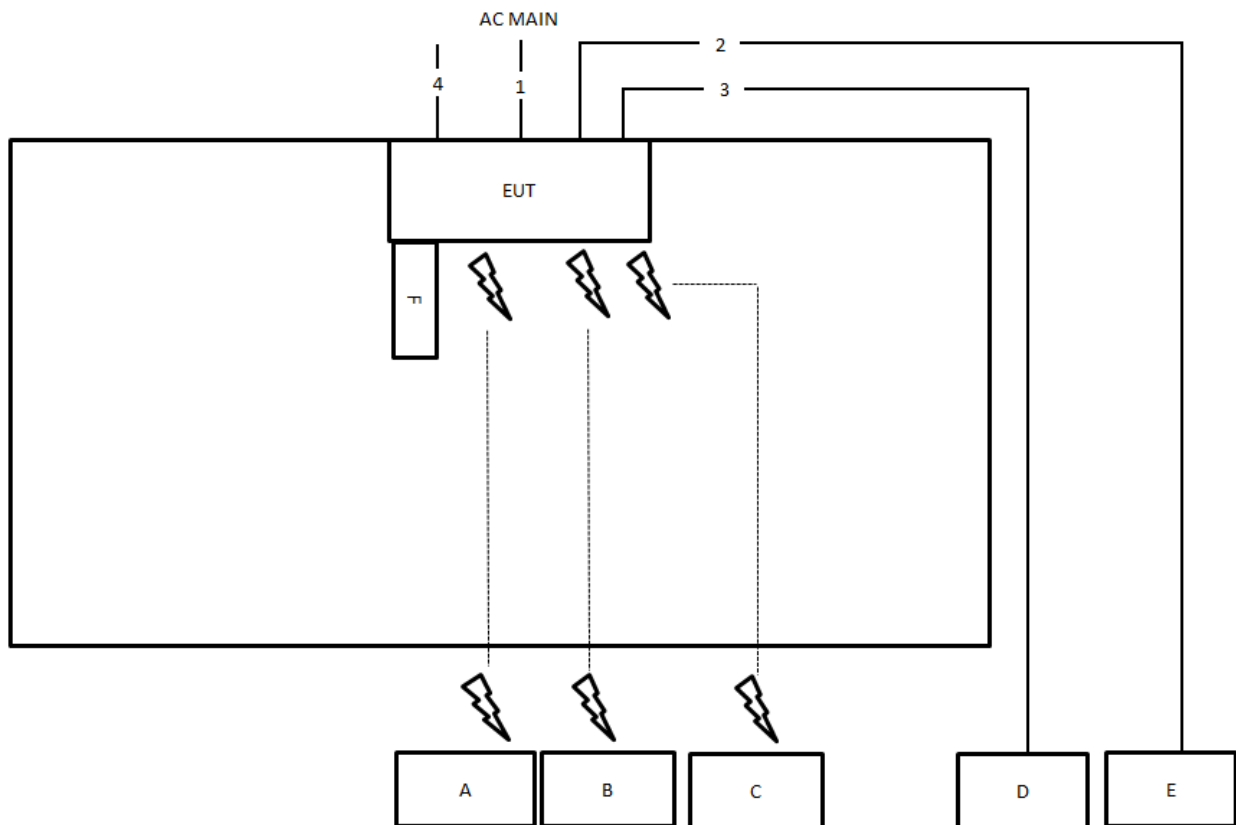
**For RF Conducted:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A

## 2.6 Test Setup Diagram



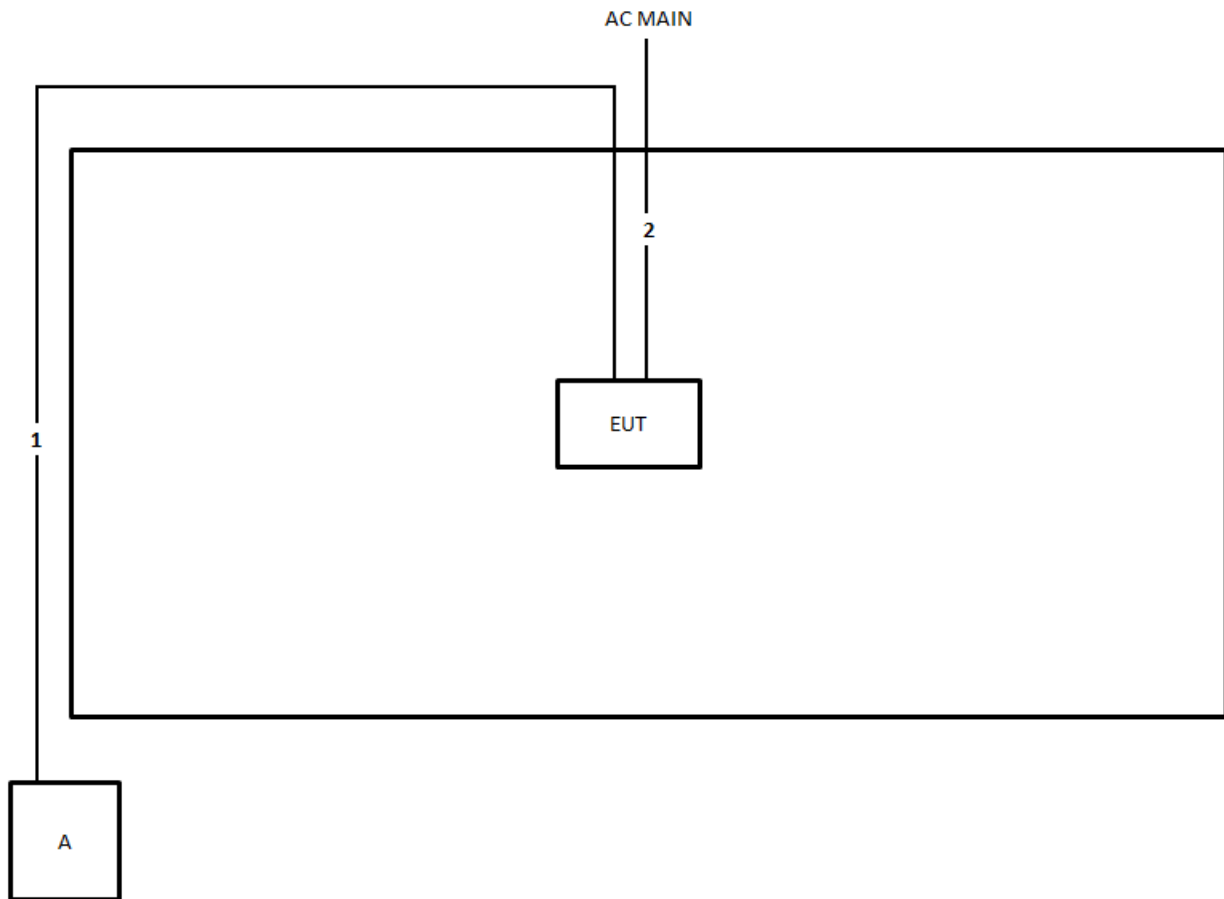


**Test Setup Diagram - Radiated Test < 1GHz**


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	10m
4	Console cable	No	1.5m



**Test Setup Diagram - Radiated Test > 1GHz**



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	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.

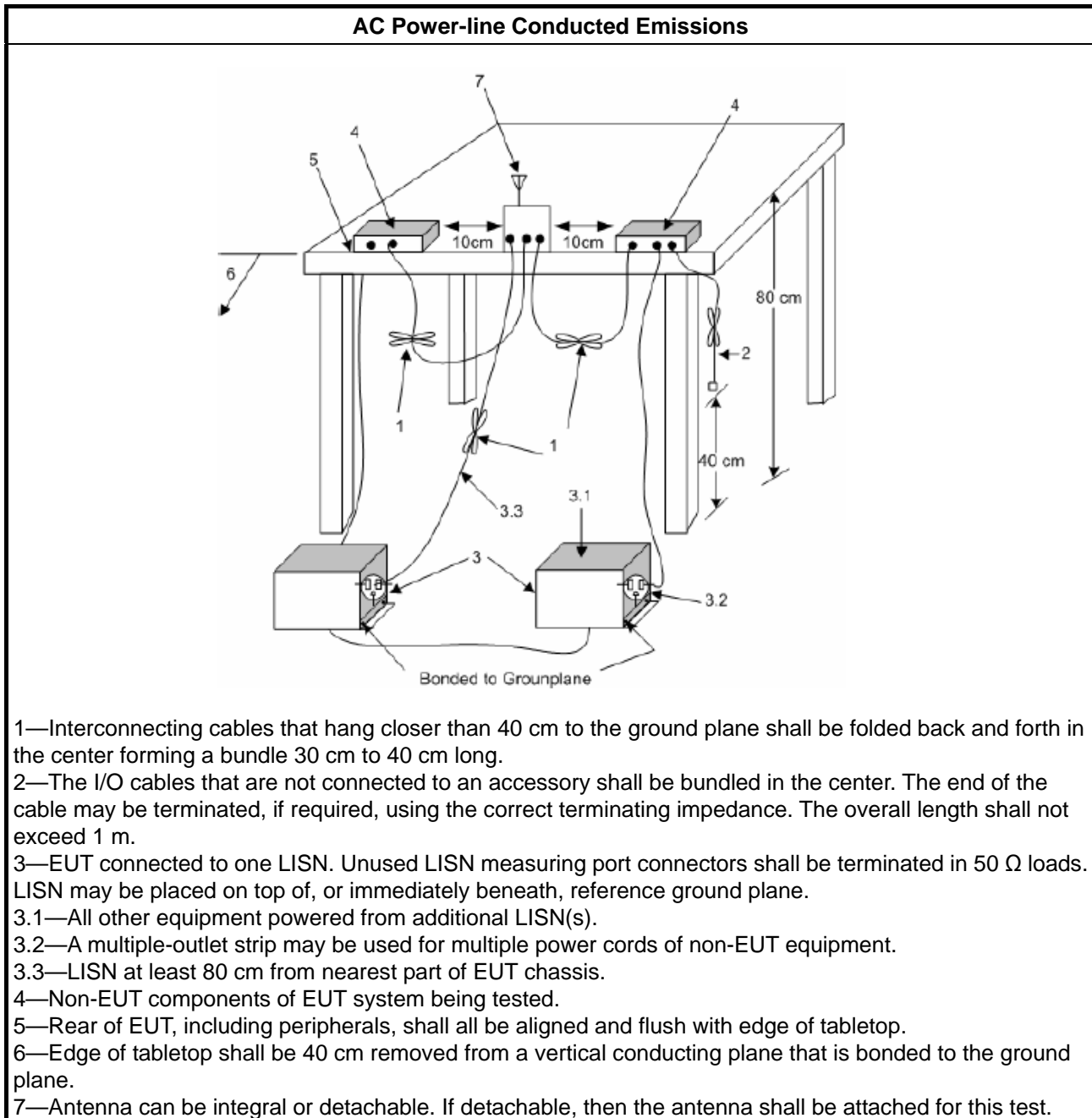
##### 3.1.2 Measuring Instruments

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

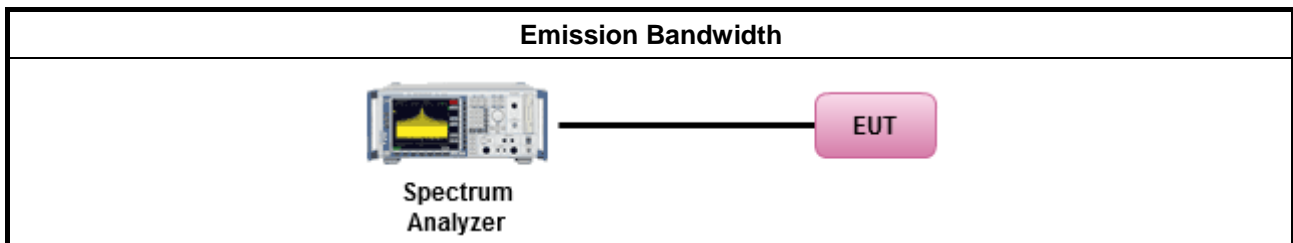
### 3.2.2 Measuring Instruments

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

### 3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>For the emission bandwidth shall be measured using one of the options below:</li> </ul>
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 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.	

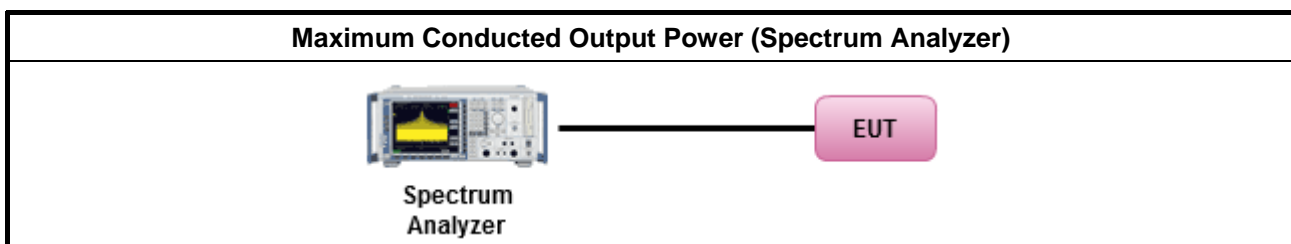
#### 3.3.2 Measuring Instruments

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 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
<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 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
duty cycle < 98% and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
Measurement using a power meter (PM)	
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below: Refer as 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
▪ Power Spectral Density (PSD) $\leq 8$ dBm/3kHz

#### 3.4.2 Measuring Instruments

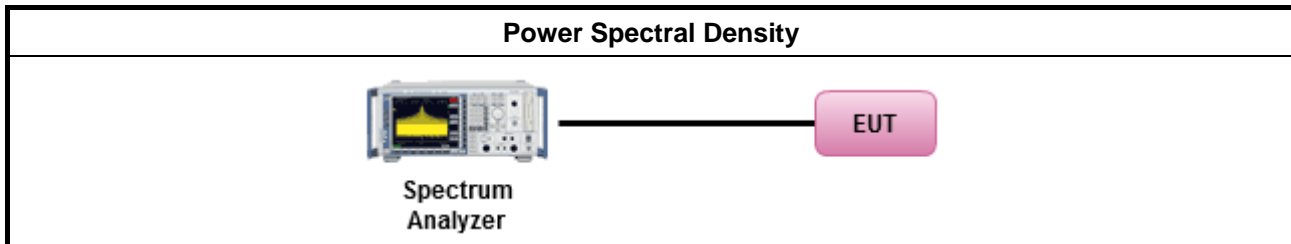
Refer a test equipment and calibration data table in this test report.

#### 3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
<input checked="" type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD. [duty cycle $\geq 98\%$ or external video / power trigger]
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
duty cycle $< 98\%$ and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
<input type="checkbox"/>	Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ For conducted measurement.	
▪ If The EUT supports multiple transmit chains using options given below:	
<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.
<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,

- |  |  |
|--|--|
|  | <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. |
|--|--|

### 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 (dBc)
Peak output power procedure	20
Average output power procedure	30
<p>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.</p> <p>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.</p>	

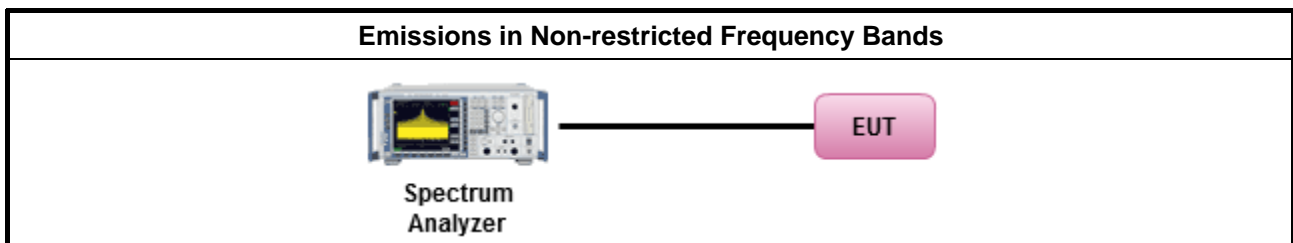
#### 3.5.2 Measuring Instruments

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 8.5 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

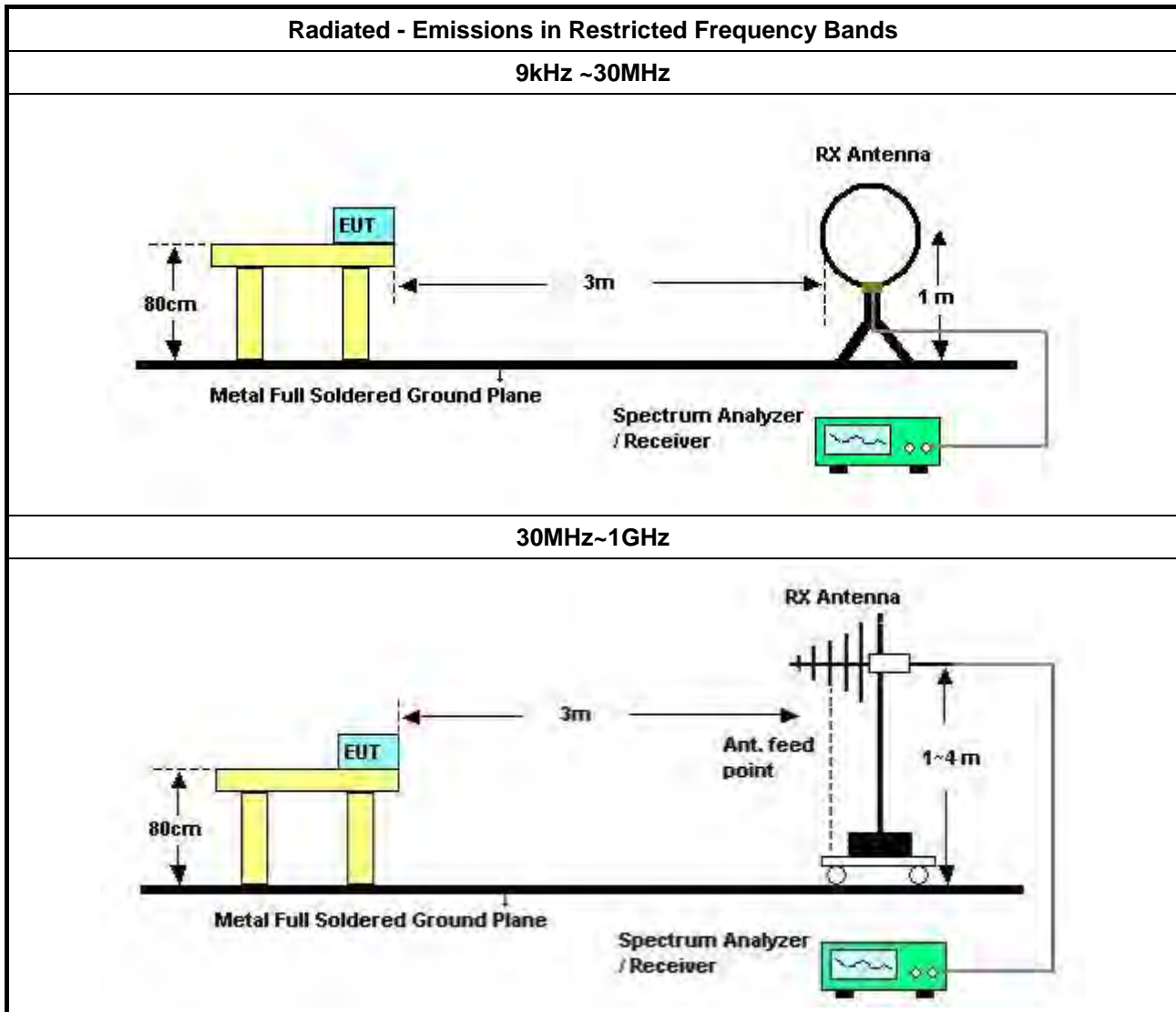
Refer a test equipment and calibration data table in this test report.

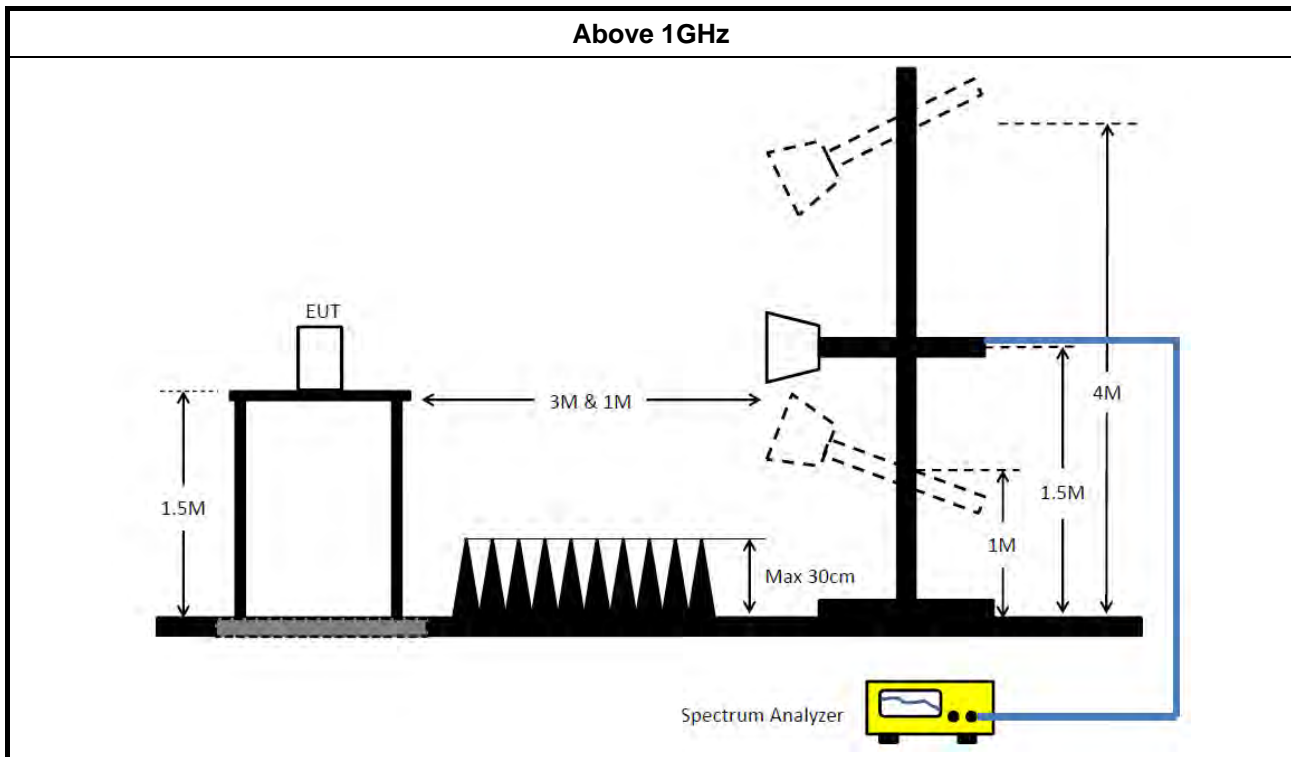


### 3.6.3 Test Procedures

Test Method	
▪ The average emission levels shall be measured in [duty cycle $\geq 98$ or duty factor].	
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
▪ For the transmitter unwanted emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle $\geq 98\%$ ).
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW $\geq 1/T$ ).
	<input type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq 1/T$ , where T is pulse time.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:	
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For 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.

### 3.6.4 Test Setup





### 3.6.5 Emissions in Restricted Frequency Bands (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.

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10 harmonic or 40 GHz, whichever is appropriate.

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

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Nov. 21, 2018	Nov. 20, 2019	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 05, 2018	Nov. 04, 2019	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	Jan. 16, 2019	Jan. 15, 2020	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Nov. 06, 2018	Nov. 05, 2019	Conduction (CO02-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Aug. 27, 2018	Aug. 26, 2019	Radiation (03CH01-CB)
Horn Antenna	EMCO	3115	00075790	750MHz ~ 18GHz	Nov. 13, 2018	Nov. 12, 2019	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jun. 28, 2018	Jun. 27, 2019	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	May 02, 2018	May 01, 2019	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02310	1GHz ~ 26.5GHz	Jan. 08, 2019	Jan. 07, 2020	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 04, 2018	Jul. 03, 2019	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Jan. 31, 2019	Jan. 30, 2020	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	100359	9kHz ~ 2.75GHz	Jul. 03, 2018	Jul. 02, 2019	Radiation (03CH01-CB)
RF Cable-low	Woken	Low Cable-16+17	N/A	30 MHz ~ 1 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-16+17	N/A	1 GHz ~ 18 GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#1	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
RF Cable-high	Woken	High Cable-40G#2	N/A	18GHz ~ 40 GHz	Jul. 27, 2018	Jul. 26, 2019	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
Temp. and Humidity Chamber	Ten Billion	TTH-D3SP	TBN-931011	-30~100 degree	Jun. 01, 2018	May 31, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz ~ 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)

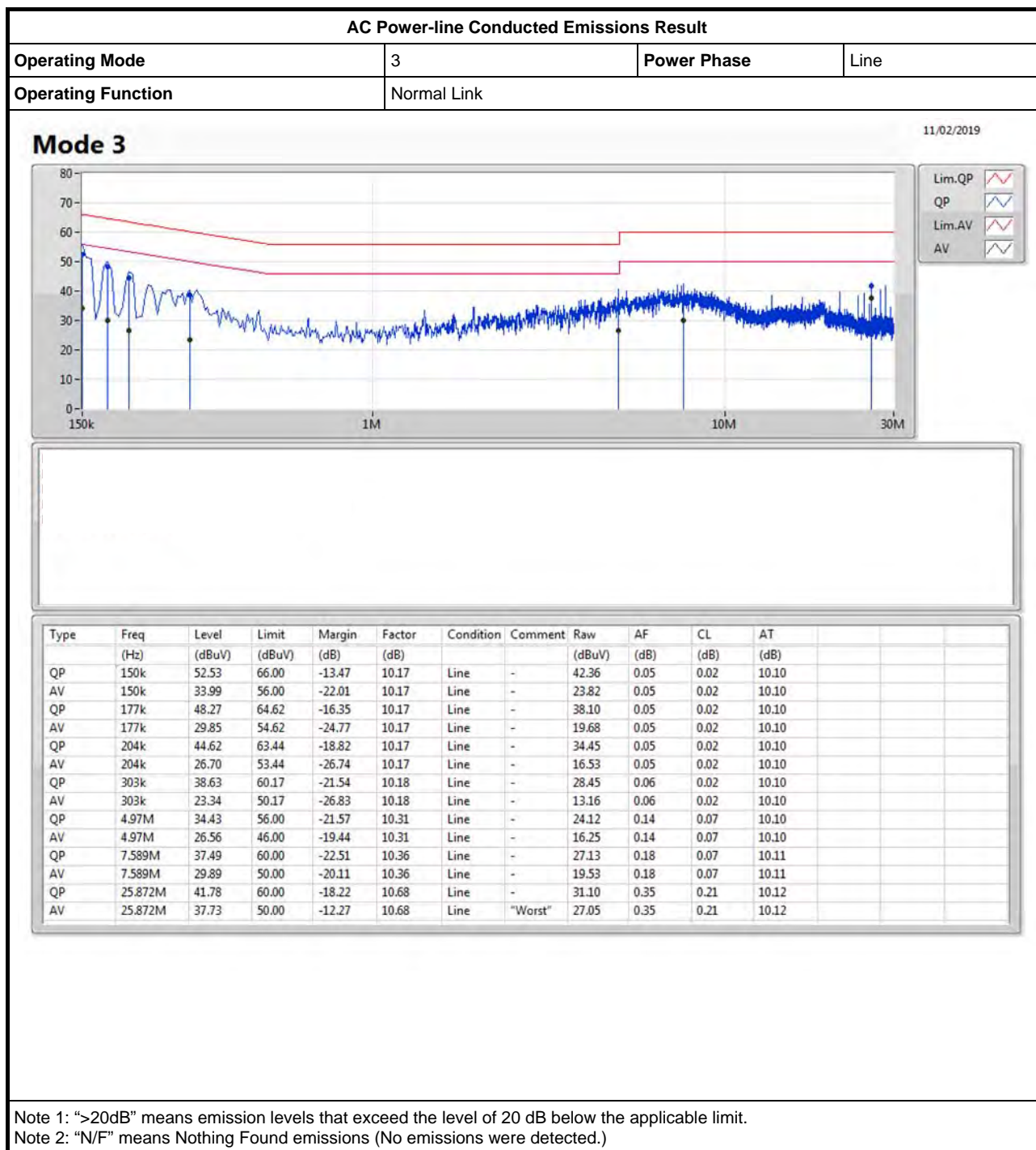


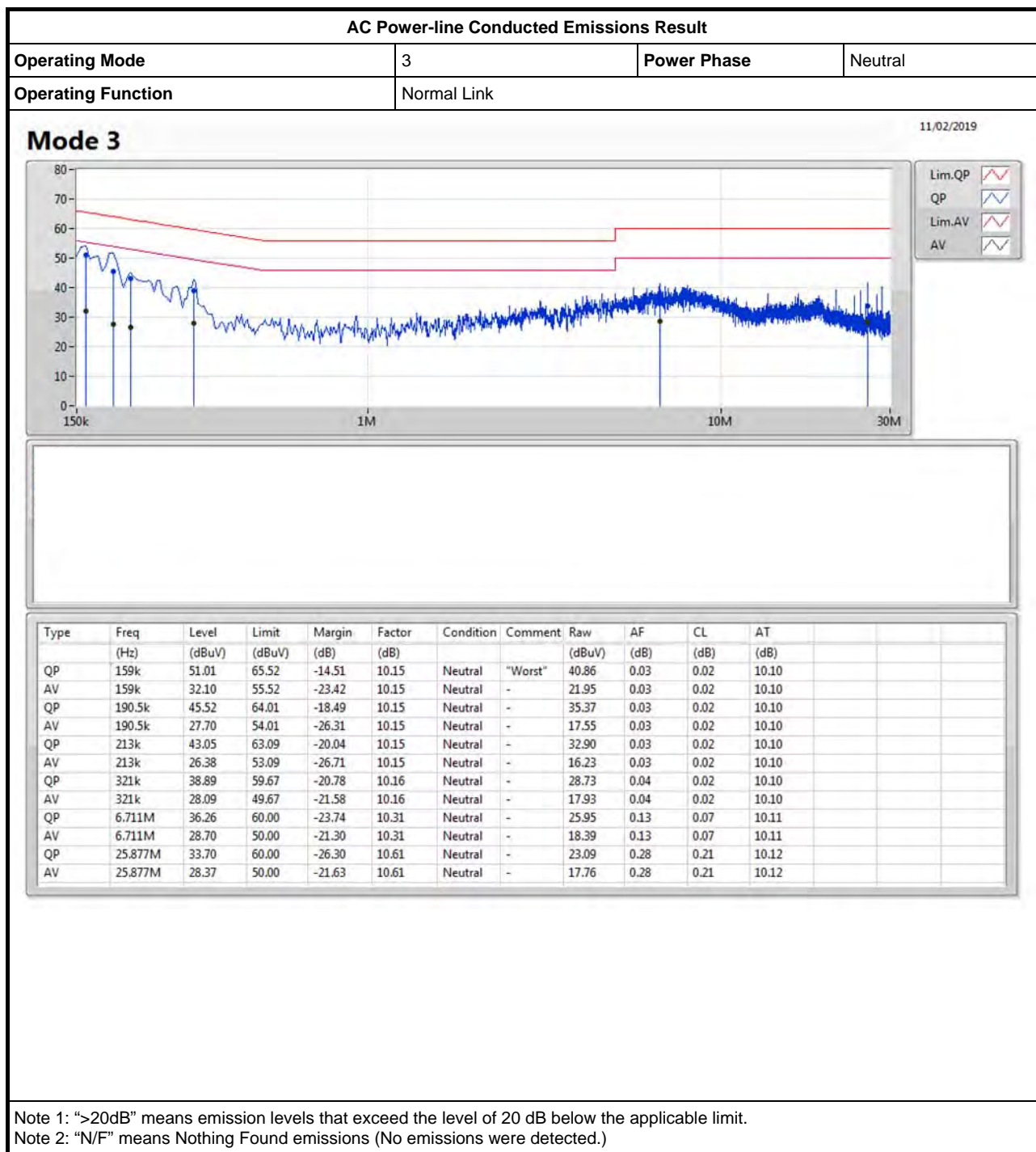


Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	U2021XA	MY53410001	50MHz~18GHz	Nov. 05, 2018	Nov. 04, 2019	Conducted (TH01-CB)

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

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





**For Radio 1  
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	9.075M	14.268M	14M3G1D	7.125M	12.619M
802.11g_Nss1,(6Mbps)_4TX	16.325M	16.517M	16M5D1D	15.275M	16.342M
VHT20_Nss1,(MCS0)_4TX	17.15M	17.716M	17M7D1D	15.625M	17.566M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.232M	36M2D1D	33.75M	36.032M

**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_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	8.5M	13.043M	8.6M	13.018M	8.6M	13.118M	8.075M	13.143M
2437MHz	Pass	500k	9.075M	13.993M	9.025M	13.793M	8.1M	14.268M	8.1M	13.818M
2462MHz	Pass	500k	7.575M	12.944M	7.525M	12.619M	9M	13.043M	7.125M	12.644M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.025M	16.442M	15.9M	16.342M	16.325M	16.417M	16.3M	16.392M
2437MHz	Pass	500k	16.3M	16.492M	15.65M	16.392M	16M	16.517M	16.275M	16.417M
2462MHz	Pass	500k	15.9M	16.442M	15.275M	16.342M	16.025M	16.392M	16.025M	16.367M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.15M	17.616M	15.625M	17.591M	16.9M	17.591M	17.125M	17.616M
2437MHz	Pass	500k	16.525M	17.666M	16.475M	17.616M	16.525M	17.716M	15.65M	17.666M
2462MHz	Pass	500k	16.775M	17.616M	15.9M	17.566M	15.95M	17.566M	16.875M	17.566M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.082M	36.35M	36.032M	35M	36.082M	36.35M	36.082M
2437MHz	Pass	500k	35.7M	36.032M	35.3M	36.132M	35.1M	36.082M	35.95M	36.082M
2452MHz	Pass	500k	33.75M	36.032M	36.3M	36.232M	34M	36.132M	35.65M	36.182M

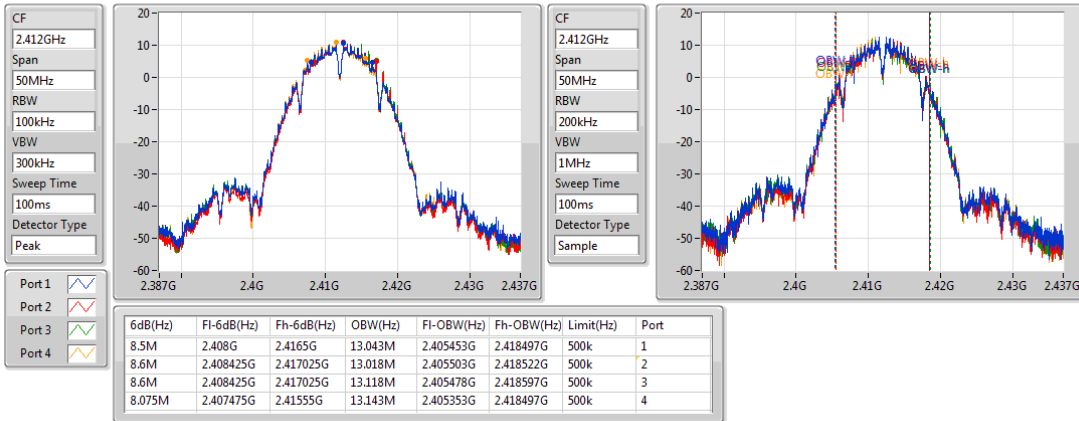
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

## 802.11b\_Nss1,(1Mbps)\_4TX

EBW

2412MHz

09/04/2019

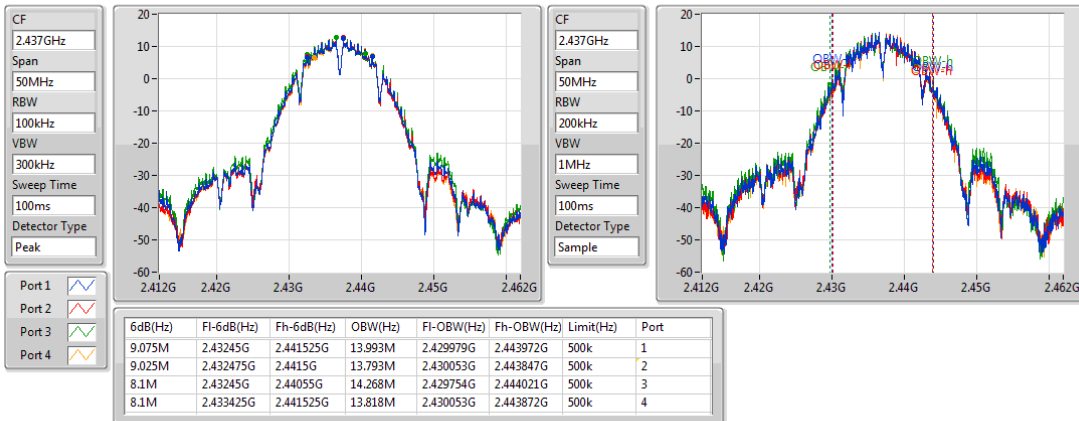


## 802.11b\_Nss1,(1Mbps)\_4TX

EBW

2437MHz

09/04/2019

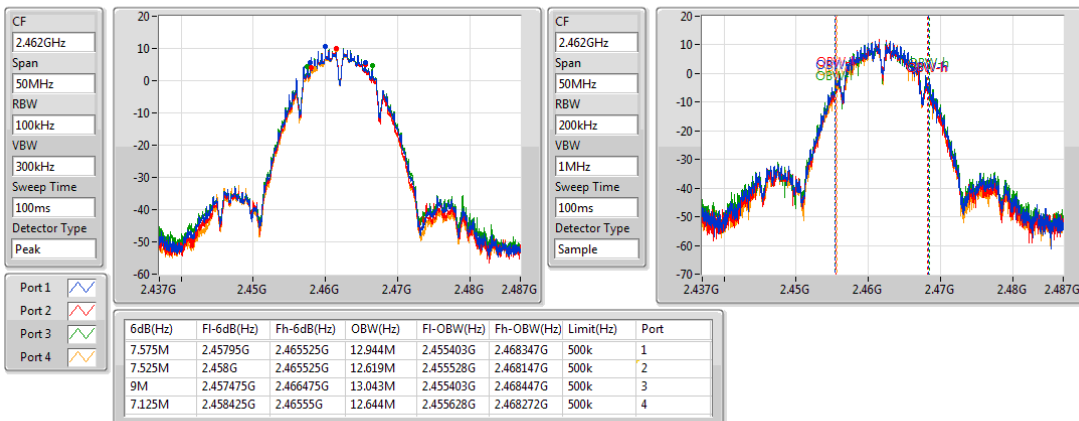


## 802.11b\_Nss1,(1Mbps)\_4TX

EBW

2462MHz

09/04/2019

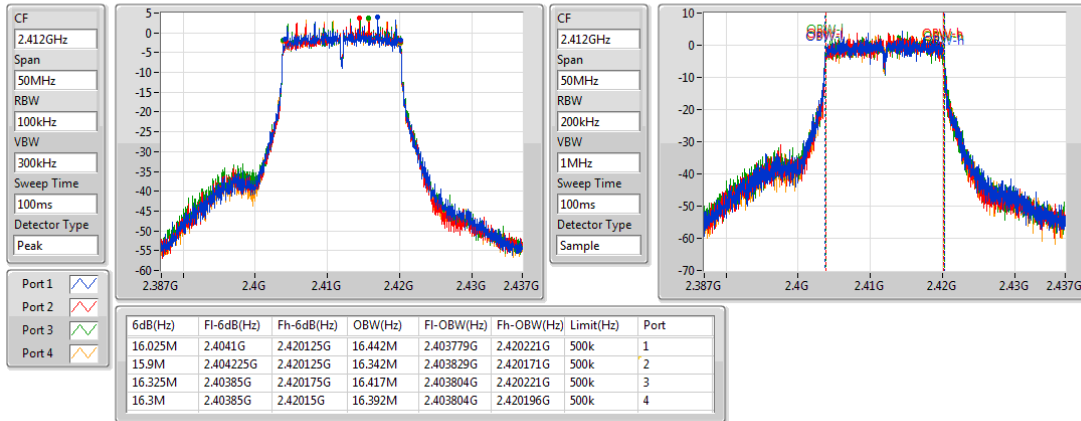


## 802.11g\_Nss1,(6Mbps)\_4TX

## EBW

2412MHz

09/04/2019

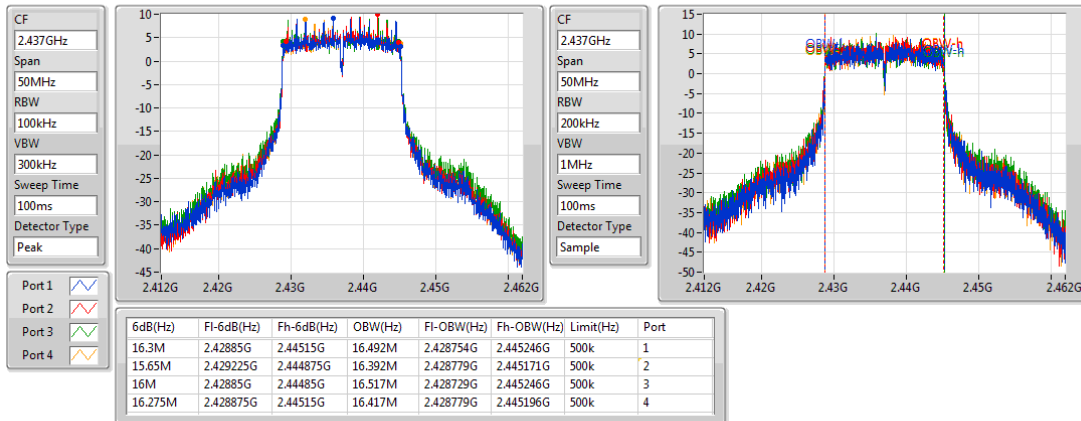


## 802.11g\_Nss1,(6Mbps)\_4TX

## EBW

2437MHz

09/04/2019

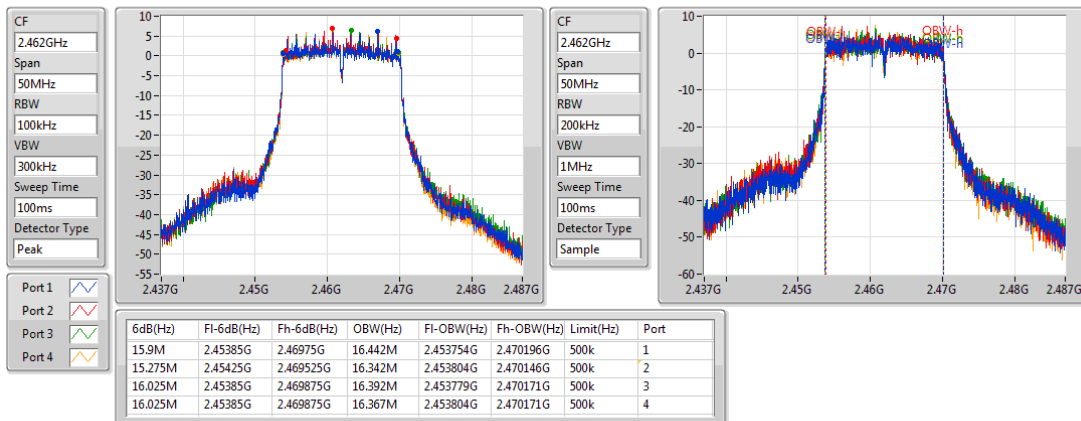


## 802.11g\_Nss1,(6Mbps)\_4TX

## EBW

2462MHz

09/04/2019

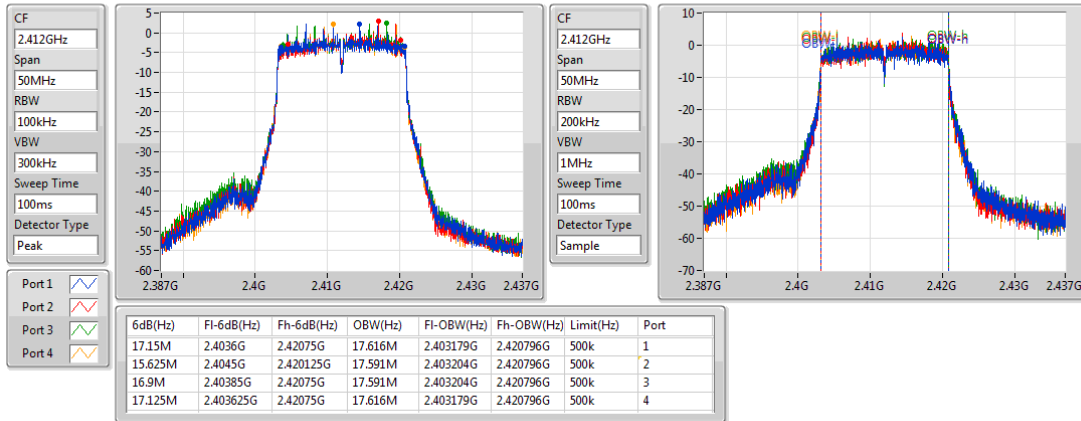


## VHT20\_Nss1,(MCS0)\_4TX

## EBW

2412MHz

09/04/2019

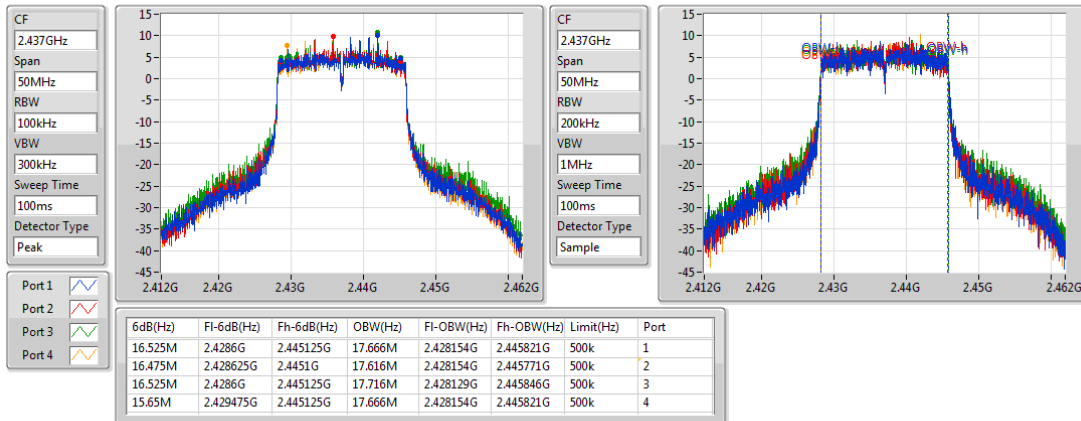


## VHT20\_Nss1,(MCS0)\_4TX

## EBW

2437MHz

09/04/2019

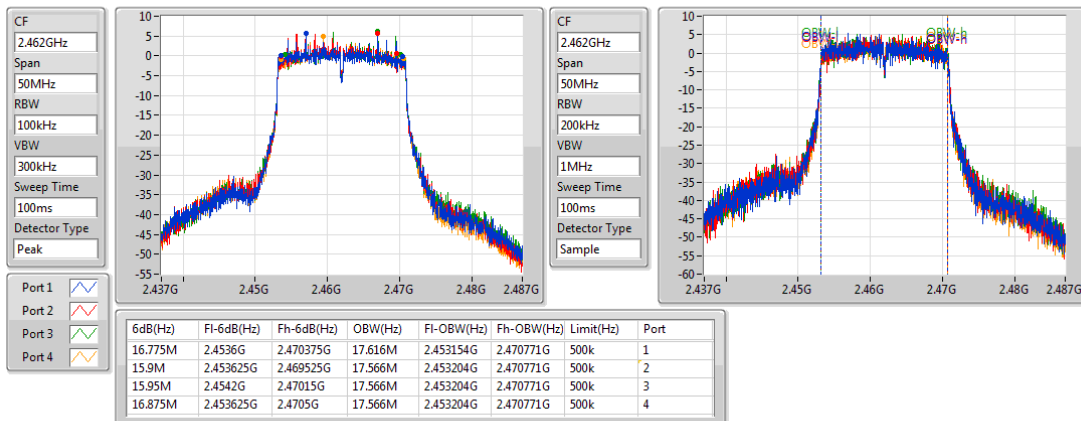


## VHT20\_Nss1,(MCS0)\_4TX

## EBW

2462MHz

09/04/2019



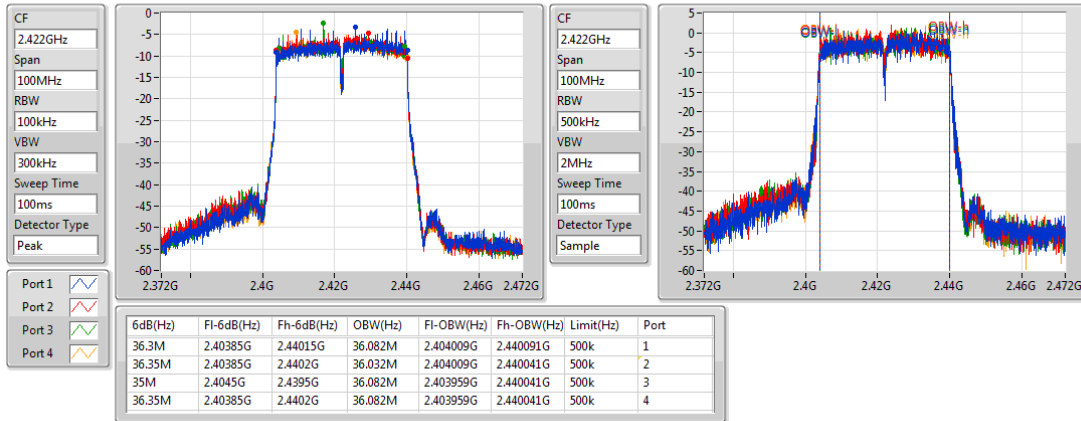


## VHT40\_Nss1,(MCS0)\_4TX

## EBW

2422MHz

09/04/2019

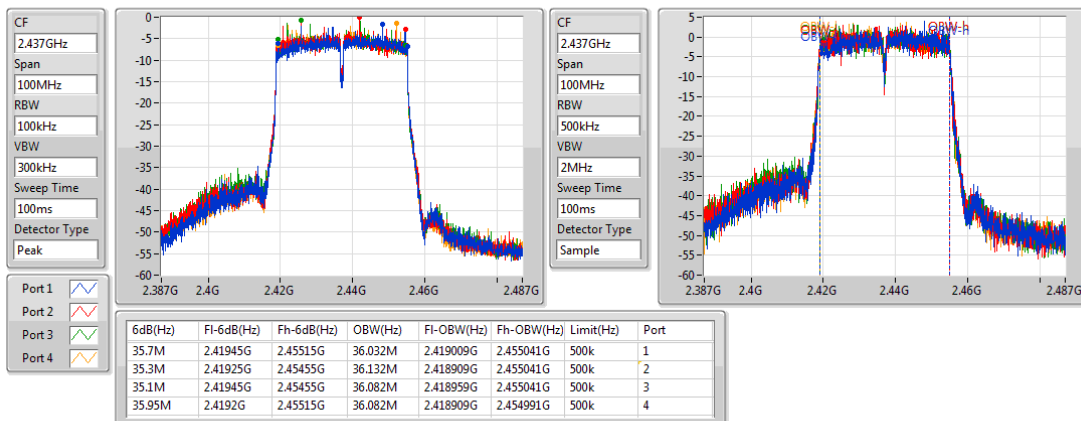


## VHT40\_Nss1,(MCS0)\_4TX

## EBW

2437MHz

09/04/2019

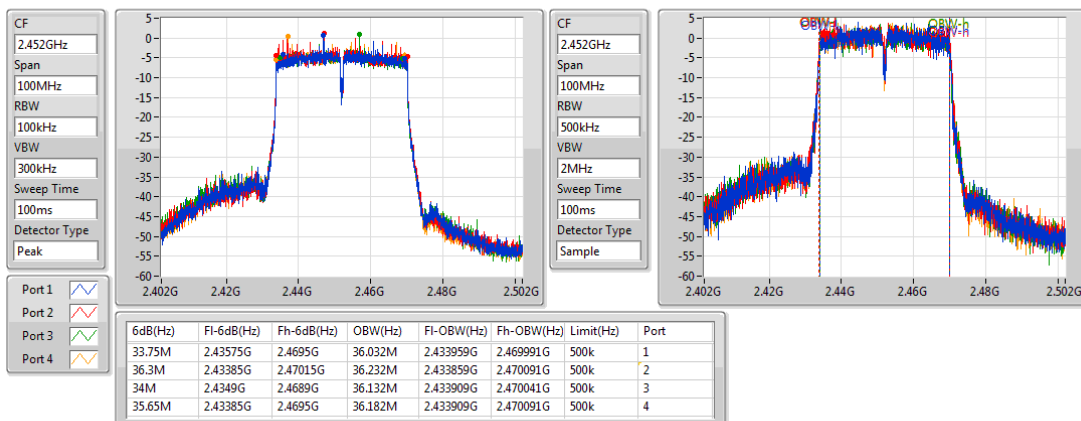


## VHT40\_Nss1,(MCS0)\_4TX

## EBW

2452MHz

09/04/2019





**For Radio 3  
Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	11.075M	14.743M	14M7G1D	9.575M	13.818M
802.11g_Nss1,(6Mbps)_2TX	16.325M	17.141M	17M1D1D	16.25M	16.417M
VHT20_Nss1,(MCS0)_2TX	17.525M	18.516M	18M5D1D	16.775M	17.641M
VHT40_Nss1,(MCS0)_2TX	36.05M	36.232M	36M2D1D	35.25M	36.082M

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

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

**Result**

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	10.05M	13.893M	10.025M	13.843M
2437MHz	Pass	500k	10.075M	14.743M	11.075M	14.693M
2462MHz	Pass	500k	9.575M	13.868M	10.025M	13.818M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.25M	16.467M	16.3M	16.467M
2437MHz	Pass	500k	16.275M	16.917M	16.275M	17.141M
2462MHz	Pass	500k	16.325M	16.417M	16.325M	16.492M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.641M	17.275M	17.641M
2437MHz	Pass	500k	16.775M	18.091M	16.9M	18.516M
2462MHz	Pass	500k	17.15M	17.666M	17.125M	17.666M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.35M	36.182M	35.65M	36.182M
2437MHz	Pass	500k	35.25M	36.082M	35.3M	36.182M
2452MHz	Pass	500k	36.05M	36.182M	35.35M	36.232M

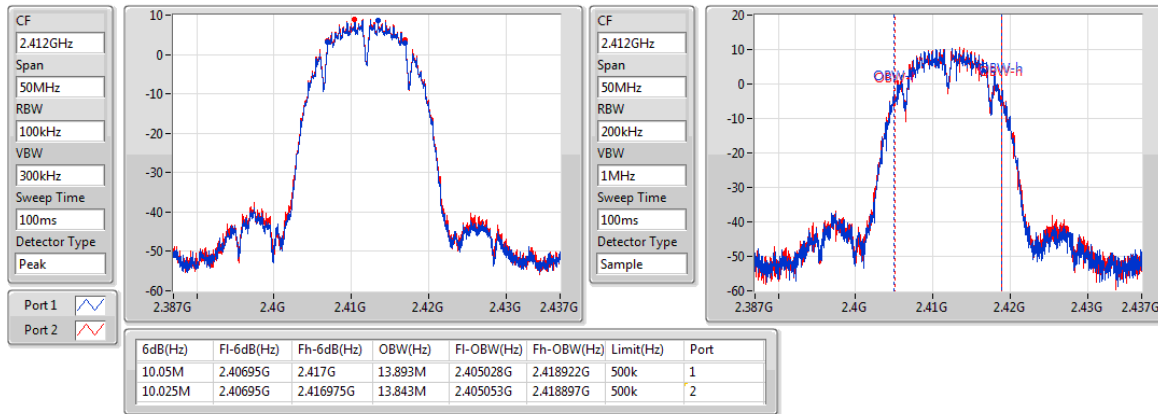
**Port X-N dB** = Port X 6dB down bandwidth; **Port X-OBW** = Port X 99% occupied bandwidth;

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

EBW

2412MHz

09/04/2019

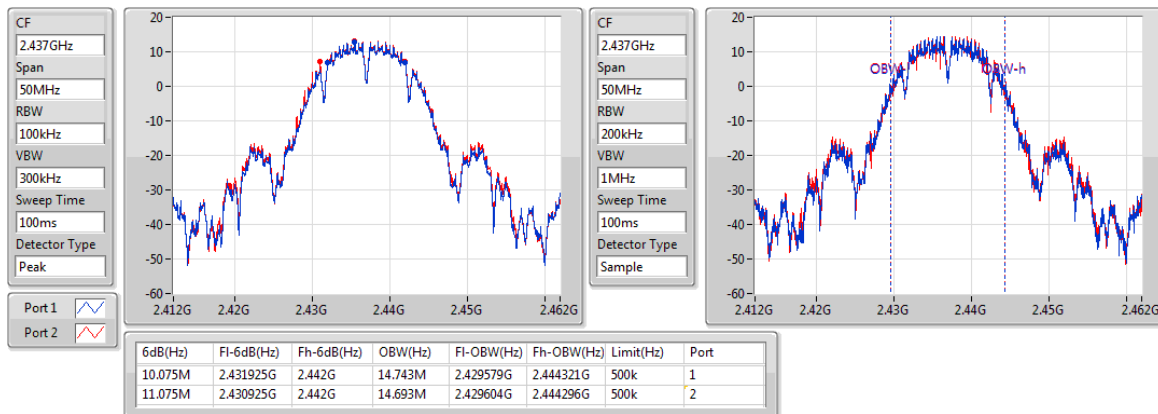


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2437MHz

09/04/2019

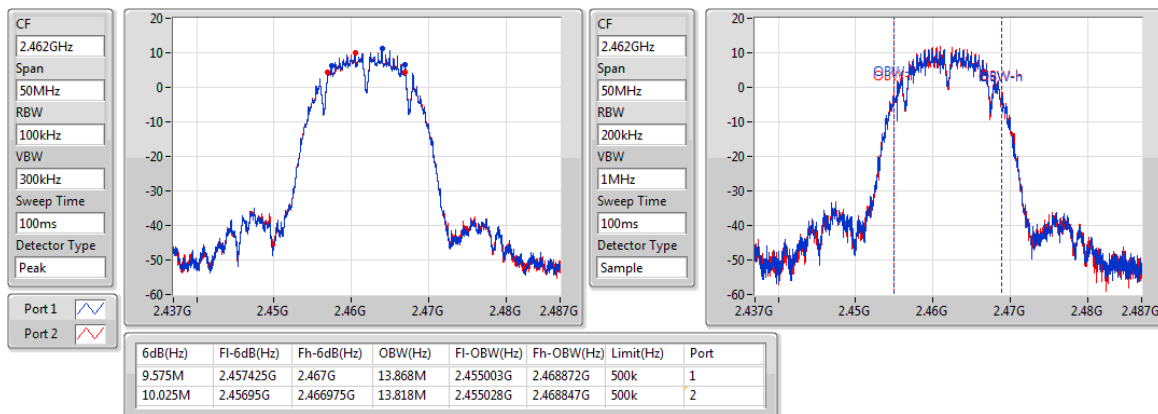


## 802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

09/04/2019

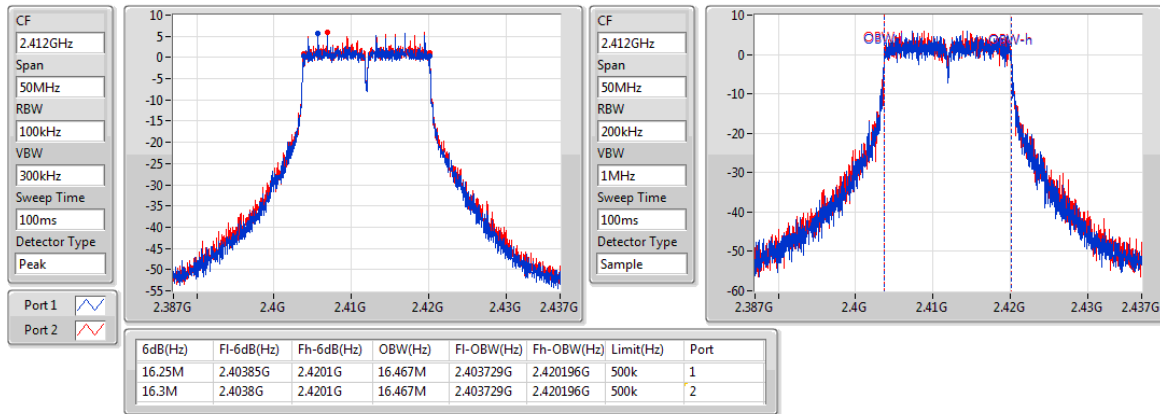


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

09/04/2019

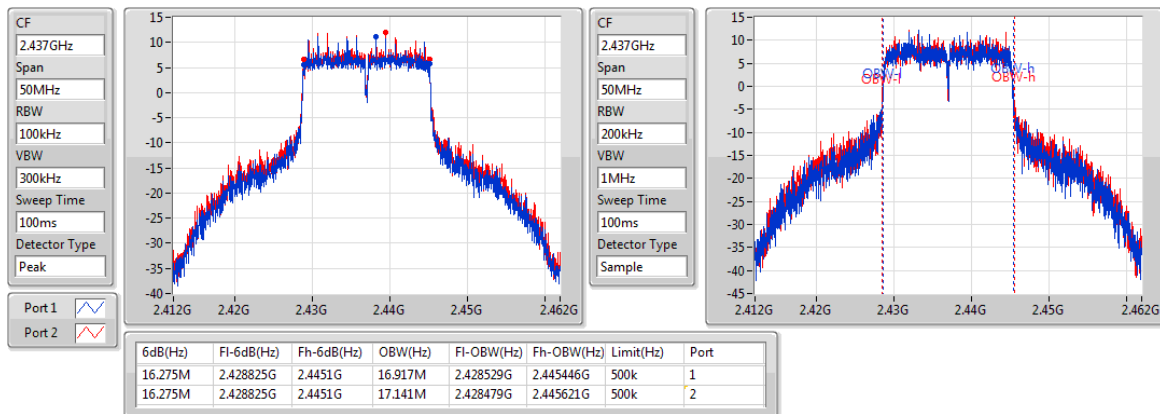


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2437MHz

09/04/2019

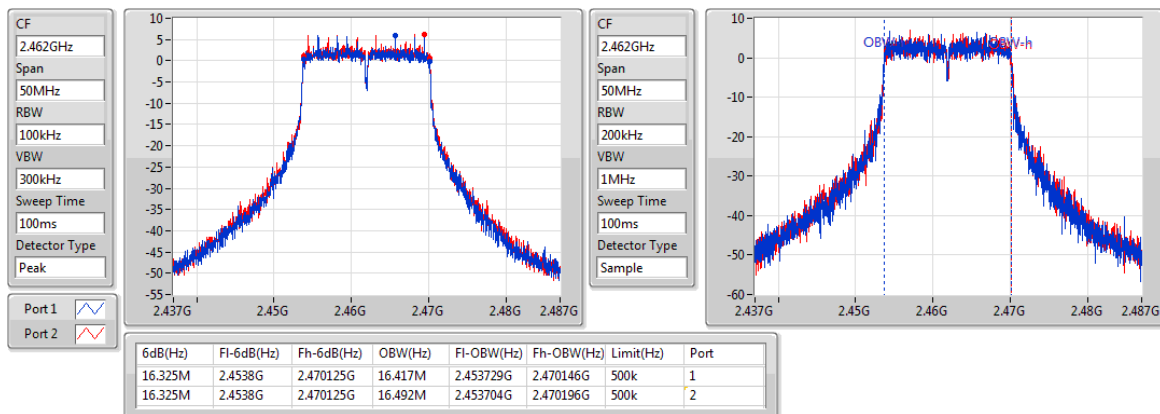


## 802.11g\_Nss1,(6Mbps)\_2TX

EBW

2462MHz

09/04/2019

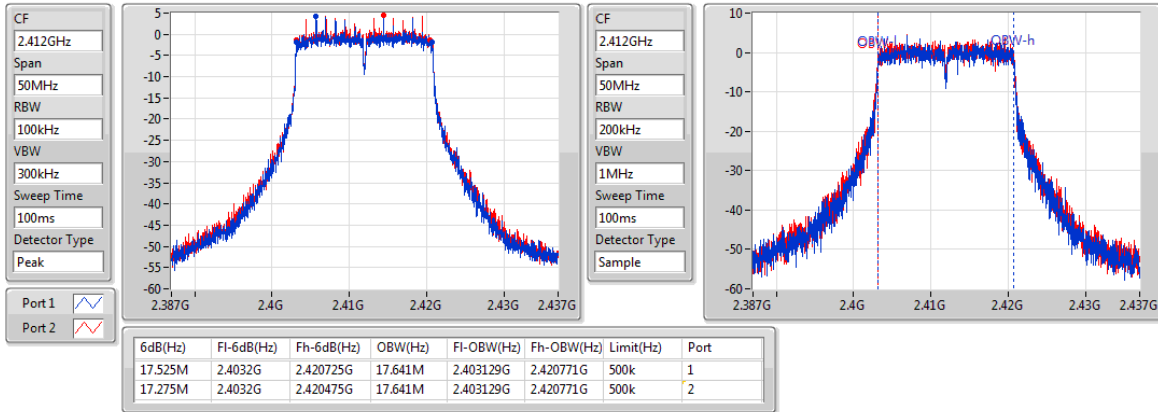


## VHT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

09/04/2019

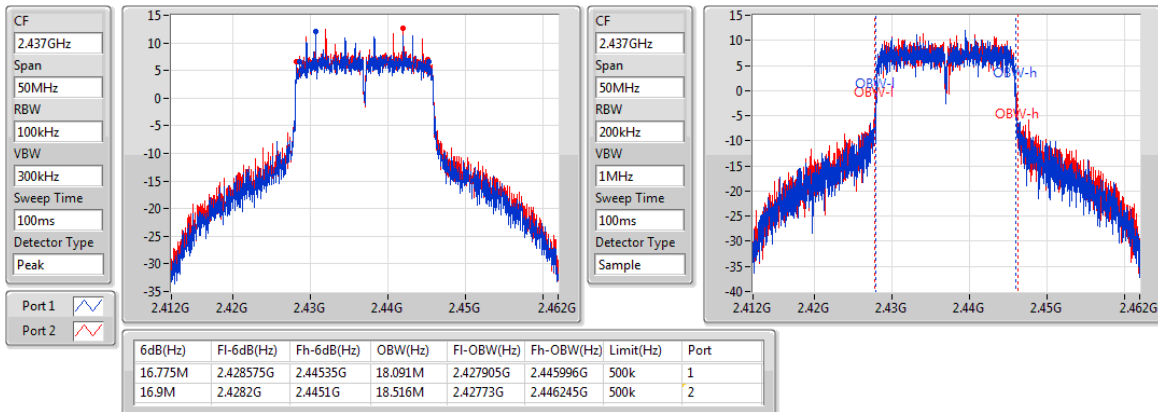


## VHT20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

09/04/2019

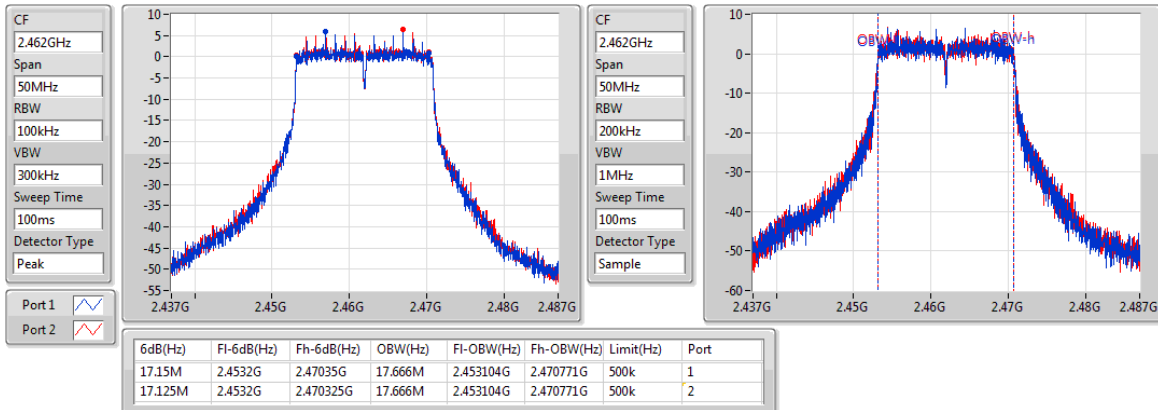


## VHT20\_Nss1,(MCS0)\_2TX

EBW

2462MHz

09/04/2019

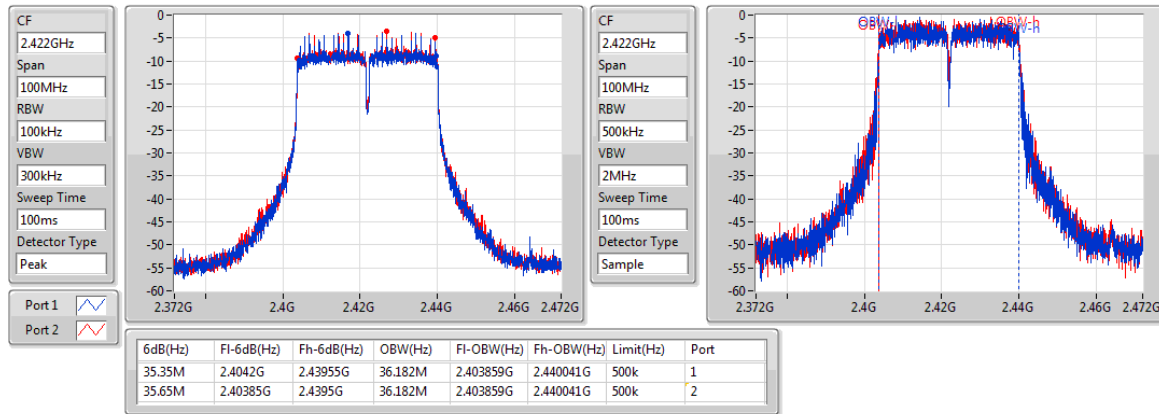


## VHT40\_Nss1,(MCS0)\_2TX

EBW

2422MHz

09/04/2019

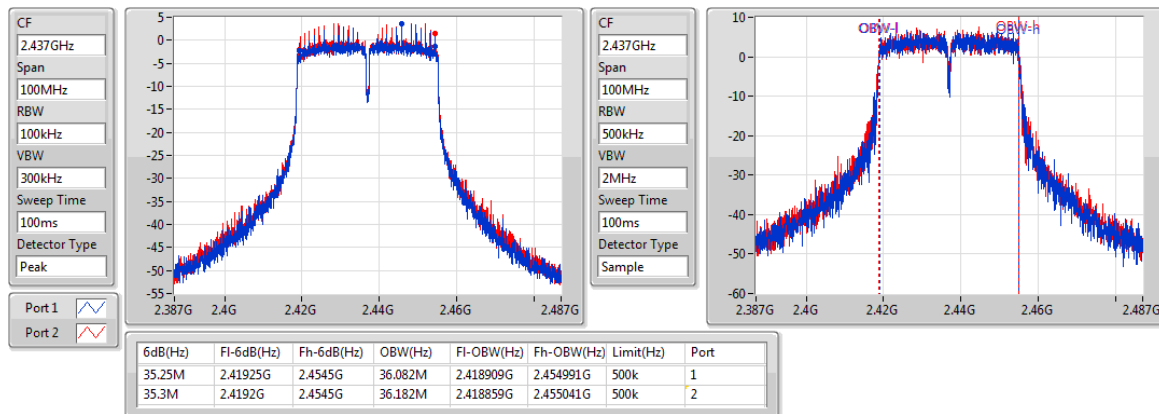


## VHT40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

09/04/2019

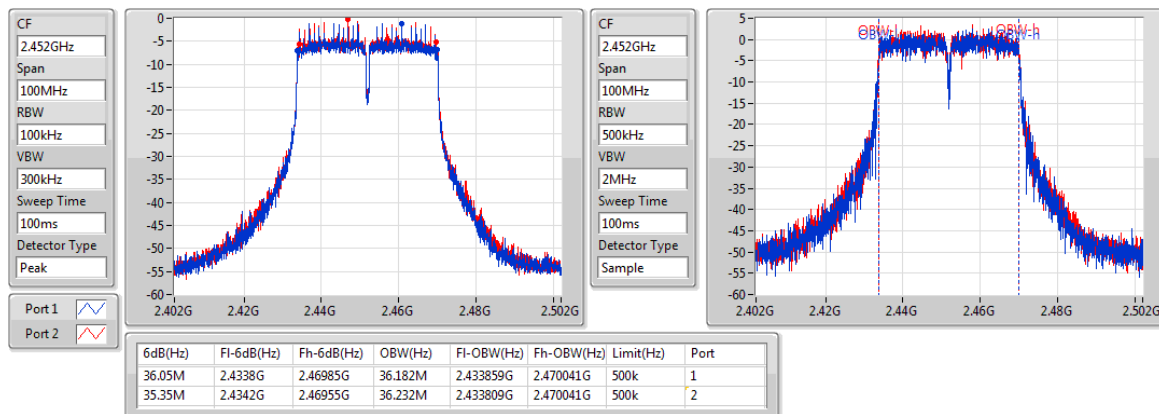


## VHT40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

09/04/2019





## AV Power Result

## Appendix C.1

### For Radio 1 Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	27.27	0.53333
802.11g_Nss1,(6Mbps)_4TX	26.33	0.42954
VHT20_Nss1,(MCS0)_4TX	26.57	0.45394
VHT40_Nss1,(MCS0)_4TX	20.40	0.10965

### 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_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	20.53	20.58	20.64	20.73	26.64	30.00
2437MHz	Pass	2.82	21.15	21.32	21.43	21.08	27.27	30.00
2457MHz	Pass	2.82	20.43	20.56	19.92	20.64	26.42	30.00
2462MHz	Pass	2.82	19.43	19.40	19.75	19.14	25.46	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	14.65	14.75	14.93	14.70	20.78	30.00
2417MHz	Pass	2.82	17.69	17.88	17.88	17.87	23.85	30.00
2437MHz	Pass	2.82	19.99	20.46	20.54	20.21	26.33	30.00
2462MHz	Pass	2.82	16.95	17.38	17.25	17.05	23.18	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	2.82	13.32	13.43	13.73	13.58	19.54	30.00
2417MHz	Pass	2.82	17.02	17.08	17.16	17.13	23.12	30.00
2437MHz	Pass	2.82	20.39	20.61	20.73	20.46	26.57	30.00
2457MHz	Pass	2.82	18.39	18.63	18.08	18.29	24.37	30.00
2462MHz	Pass	2.82	16.19	16.35	16.54	16.35	22.38	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	2.82	11.34	11.66	11.35	11.42	17.47	30.00
2437MHz	Pass	2.82	13.07	13.55	13.47	13.43	19.40	30.00
2452MHz	Pass	2.82	14.13	14.65	14.34	14.38	20.40	30.00

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

Note : Conducted average output power is for reference only

## For Radio 3 Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.13	0.51642
802.11g_Nss1,(6Mbps)_2TX	25.61	0.36392
VHT20_Nss1,(MCS0)_2TX	25.79	0.37931
VHT40_Nss1,(MCS0)_2TX	20.88	0.12246

## Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	19.68	20.09	22.90	30.00
2417MHz	Pass	3.32	21.56	21.99	24.79	30.00
2437MHz	Pass	3.32	23.96	24.28	27.13	30.00
2457MHz	Pass	3.32	21.16	21.47	24.33	30.00
2462MHz	Pass	3.32	20.63	20.92	23.79	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	17.07	17.50	20.30	30.00
2417MHz	Pass	3.32	18.24	18.55	21.41	30.00
2437MHz	Pass	3.32	22.37	22.82	25.61	30.00
2457MHz	Pass	3.32	18.19	18.66	21.44	30.00
2462MHz	Pass	3.32	17.74	17.92	20.84	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.32	15.53	15.99	18.78	30.00
2417MHz	Pass	3.32	18.61	18.98	21.81	30.00
2437MHz	Pass	3.32	22.70	22.85	25.79	30.00
2457MHz	Pass	3.32	18.16	17.59	20.89	30.00
2462MHz	Pass	3.32	17.03	17.40	20.23	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.32	10.32	10.74	13.55	30.00
2427MHz	Pass	3.32	13.92	14.25	17.10	30.00
2437MHz	Pass	3.32	17.76	17.98	20.88	30.00
2447MHz	Pass	3.32	16.26	16.66	19.47	30.00
2452MHz	Pass	3.32	13.37	13.72	16.56	30.00

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

Note : Conducted average output power is for reference only



## PSD Result

## Appendix D.1

### For Radio 1 Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-1.00
802.11g_Nss1,(6Mbps)_4TX	-2.25
VHT20_Nss1,(MCS0)_4TX	-2.14
VHT40_Nss1,(MCS0)_4TX	-10.85

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_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-7.67	-7.59	-7.64	-7.49	-1.79	5.16
2437MHz	Pass	8.84	-7.04	-6.77	-6.87	-6.82	-1.00	5.16
2462MHz	Pass	8.84	-8.69	-8.33	-8.35	-8.62	-2.50	5.16
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-13.07	-12.67	-10.24	-13.47	-7.61	5.16
2437MHz	Pass	8.84	-7.63	-6.65	-7.66	-7.03	-2.25	5.16
2462MHz	Pass	8.84	-10.50	-10.66	-8.71	-10.70	-5.31	5.16
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	8.84	-13.32	-12.92	-13.95	-14.15	-9.10	5.16
2437MHz	Pass	8.84	-5.69	-6.31	-7.10	-7.65	-2.14	5.16
2462MHz	Pass	8.84	-11.66	-10.54	-11.12	-11.08	-6.25	5.16
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	8.84	-18.09	-18.14	-15.15	-17.81	-13.17	5.16
2437MHz	Pass	8.84	-16.09	-16.56	-16.48	-16.36	-11.50	5.16
2452MHz	Pass	8.84	-15.94	-15.66	-16.25	-15.56	-10.85	5.16

DG = Directional Gain; RBW=3kHz;

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

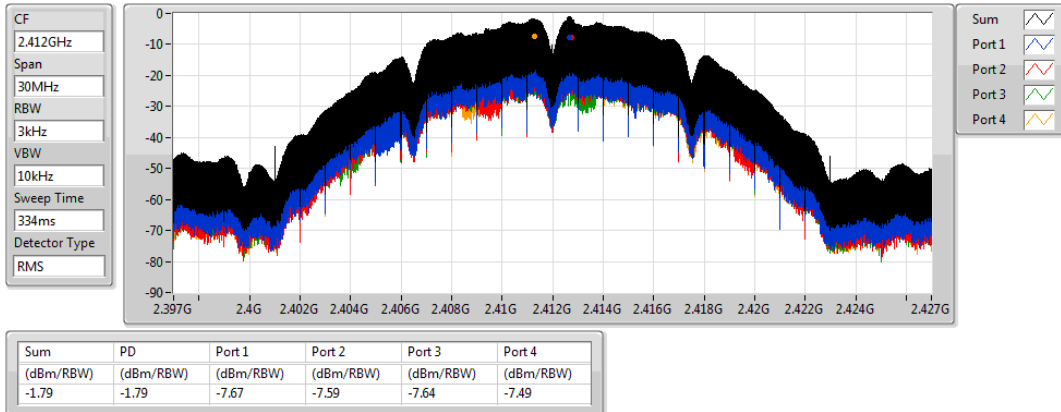


### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2412MHz

09/04/2019

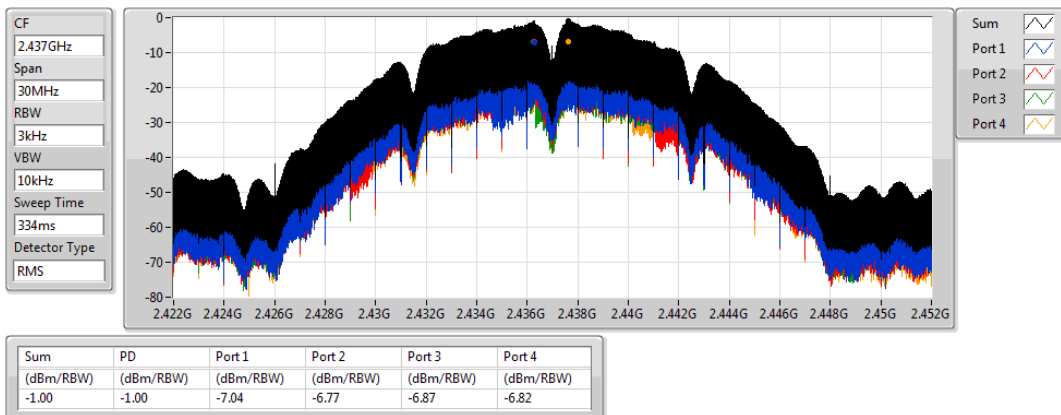


### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2437MHz

09/04/2019

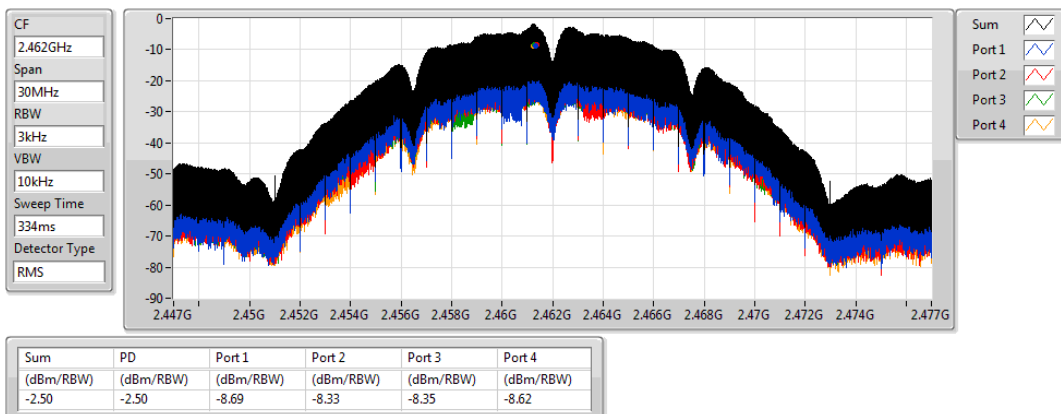


### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2462MHz

09/04/2019

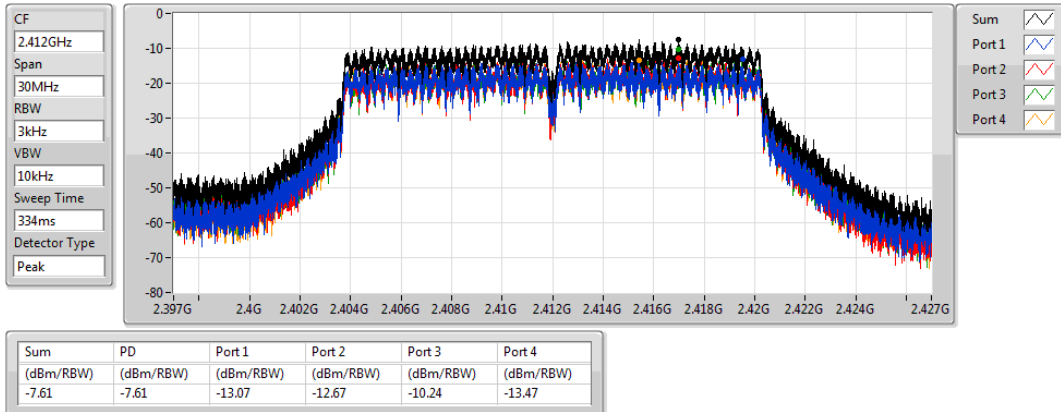


### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2412MHz

09/04/2019

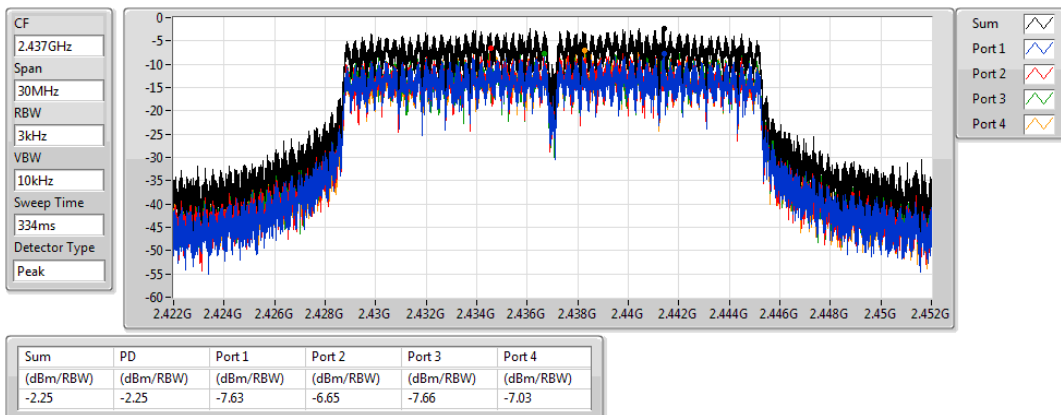


### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2437MHz

09/04/2019

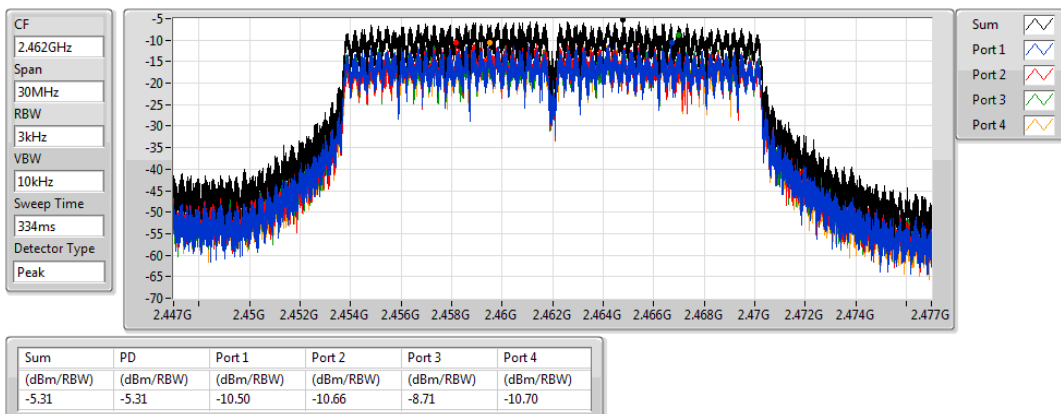


### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2462MHz

09/04/2019

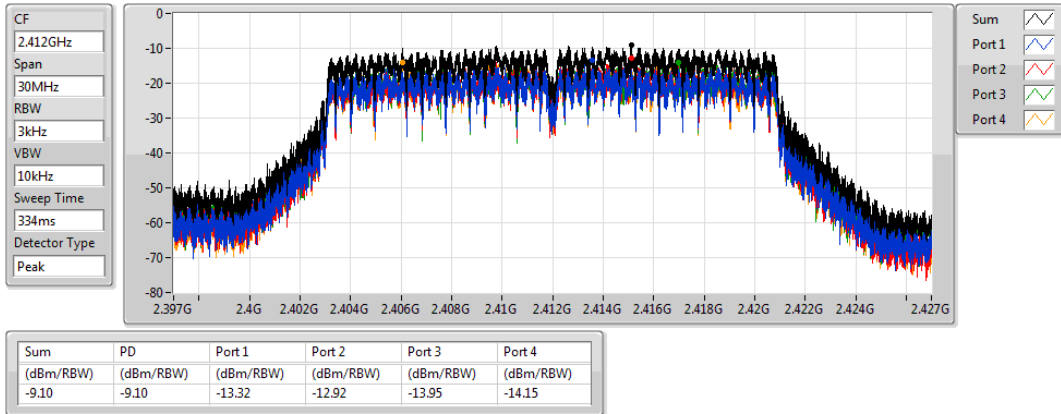


### VHT20\_Nss1,(MCS0)\_4TX

2412MHz

PSD

09/04/2019

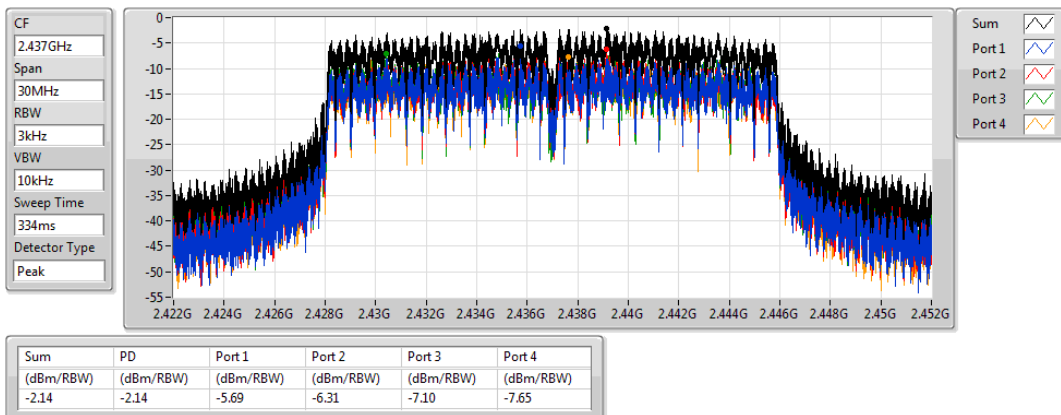


### VHT20\_Nss1,(MCS0)\_4TX

2437MHz

PSD

09/04/2019

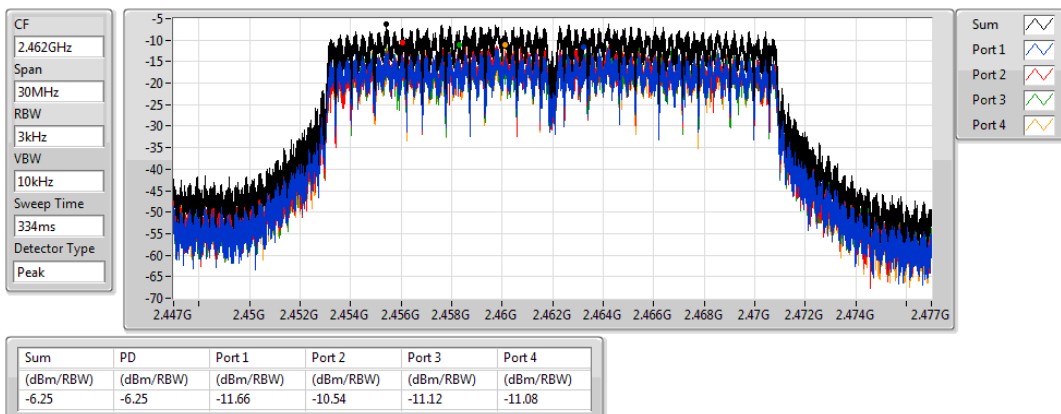


### VHT20\_Nss1,(MCS0)\_4TX

2462MHz

PSD

09/04/2019

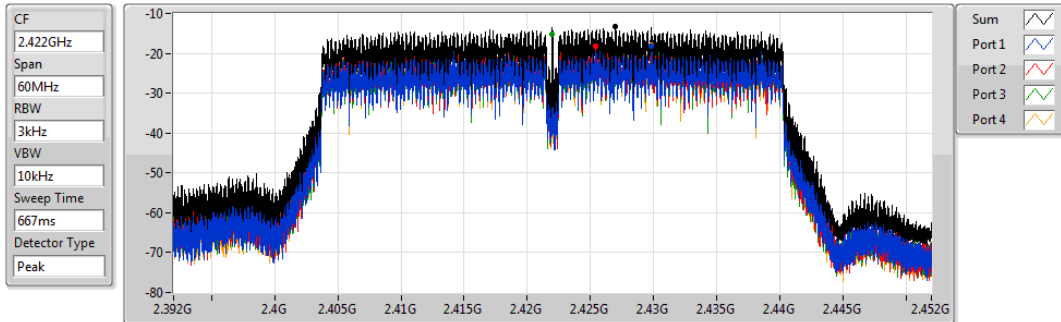


### VHT40\_Nss1,(MCS0)\_4TX

2422MHz

PSD

09/04/2019



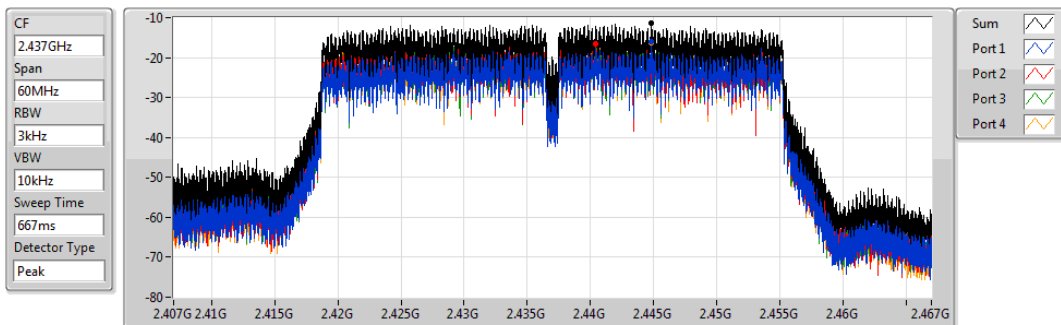
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.17	-13.17	-18.09	-18.14	-15.15	-17.81

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

2437MHz

PSD

09/04/2019



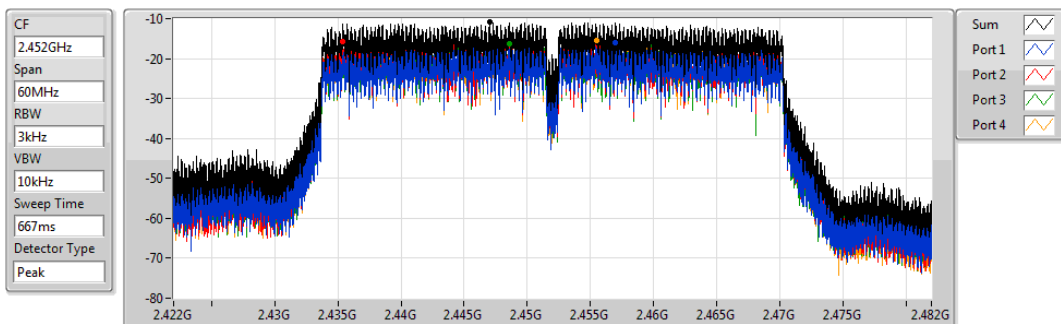
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.50	-11.50	-16.09	-16.56	-16.48	-16.36

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

2452MHz

PSD

09/04/2019



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.85	-10.85	-15.94	-15.66	-16.25	-15.56



## PSD Result

## Appendix D.2

### For Radio 3 Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.20
802.11g_Nss1,(6Mbps)_2TX	-3.03
VHT20_Nss1,(MCS0)_2TX	-2.42
VHT40_Nss1,(MCS0)_2TX	-8.88

RBW=3kHz.

### Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-9.70	-9.72	-6.98	7.67
2437MHz	Pass	6.33	-6.20	-5.70	-3.20	7.67
2462MHz	Pass	6.33	-8.61	-8.34	-5.53	7.67
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-10.86	-10.95	-8.99	7.67
2437MHz	Pass	6.33	-5.89	-5.03	-3.03	7.67
2462MHz	Pass	6.33	-9.22	-10.25	-8.17	7.67
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.33	-11.25	-11.51	-9.29	7.67
2437MHz	Pass	6.33	-3.85	-3.82	-2.42	7.67
2462MHz	Pass	6.33	-8.72	-9.44	-7.62	7.67
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.33	-19.15	-19.04	-16.76	7.67
2437MHz	Pass	6.33	-12.12	-11.39	-8.88	7.67
2452MHz	Pass	6.33	-16.26	-15.61	-14.11	7.67

DG = Directional Gain; RBW=3kHz;

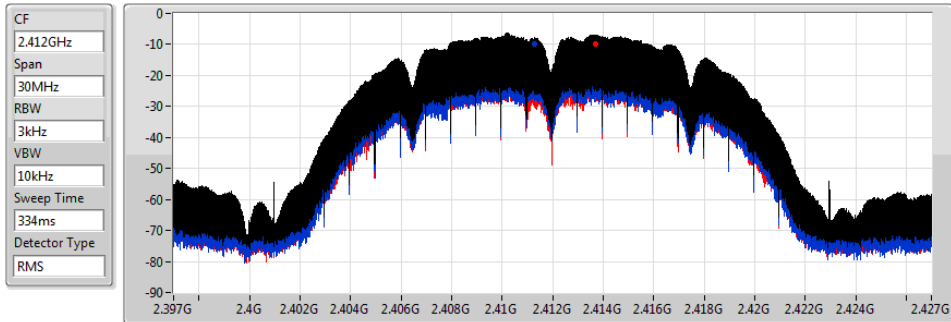
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port Xpower density;

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

### PSD

2412MHz

09/04/2019



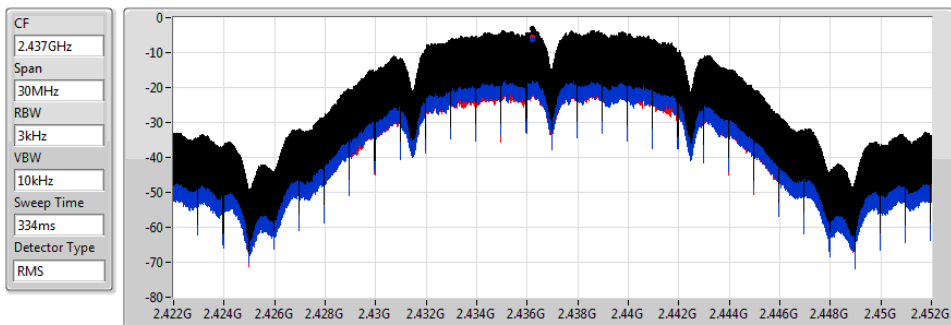
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-6.98	-6.98	-9.70	-9.72

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

### PSD

2437MHz

09/04/2019



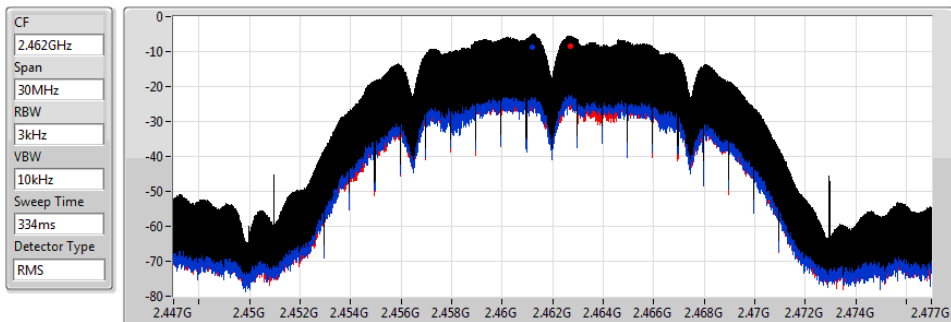
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-3.20	-3.20	-6.20	-5.70

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

### PSD

2462MHz

09/04/2019



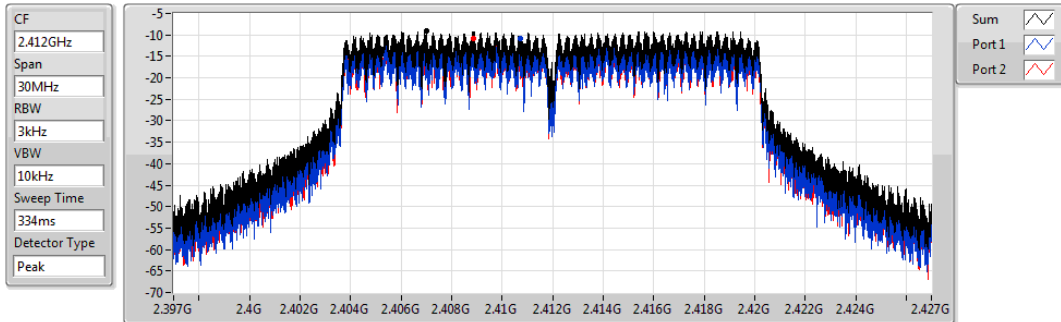
Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-5.53	-5.53	-8.61	-8.34

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

### PSD

2412MHz

09/04/2019



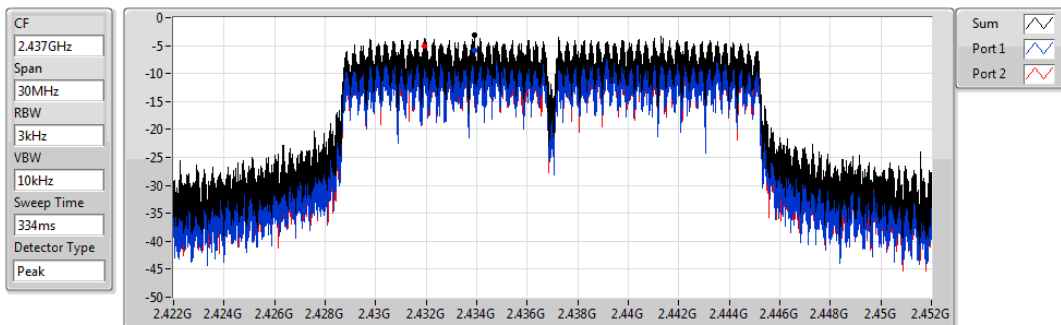
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.99	-8.99	-10.86	-10.95

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

### PSD

2437MHz

09/04/2019



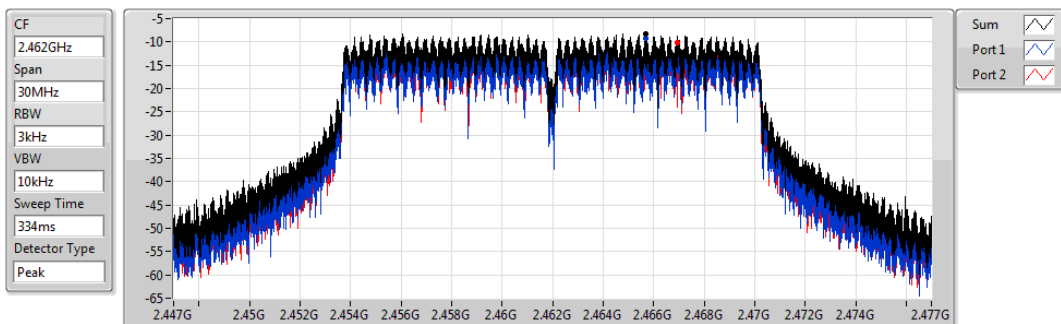
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.03	-3.03	-5.89	-5.03

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

### PSD

2462MHz

09/04/2019



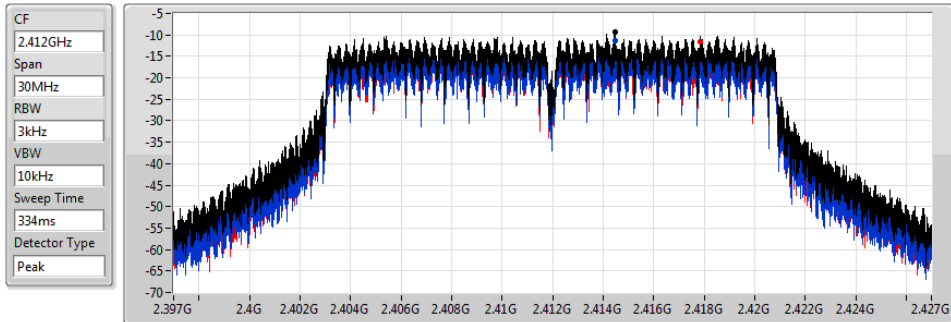
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.17	-8.17	-9.22	-10.25

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

2412MHz

PSD

09/04/2019



Sum  
 Port 1  
 Port 2

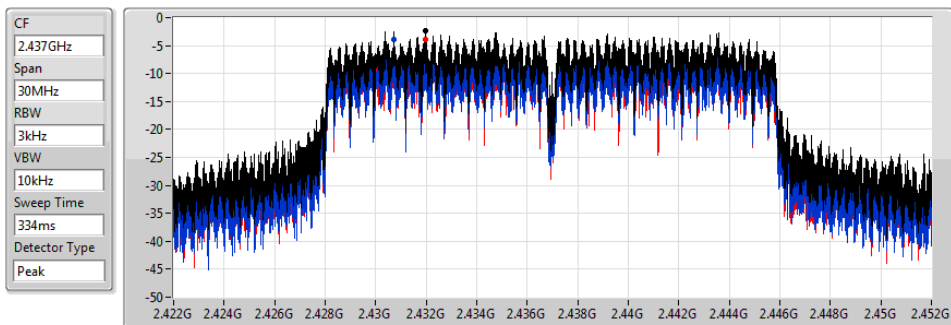
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.29	-9.29	-11.25	-11.51

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

2437MHz

PSD

09/04/2019



Sum  
 Port 1  
 Port 2

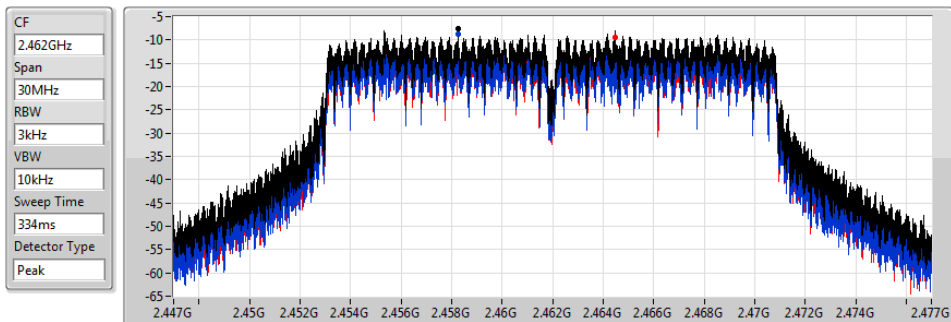
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.42	-2.42	-3.85	-3.82

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

2462MHz

PSD

09/04/2019



Sum  
 Port 1  
 Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.62	-7.62	-8.72	-9.44

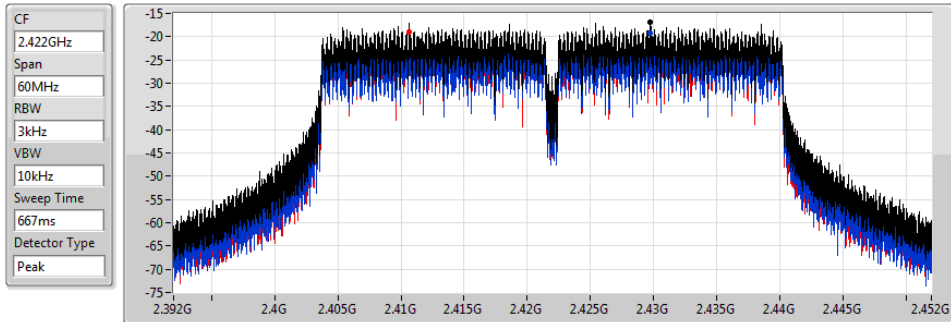


### VHT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

09/04/2019



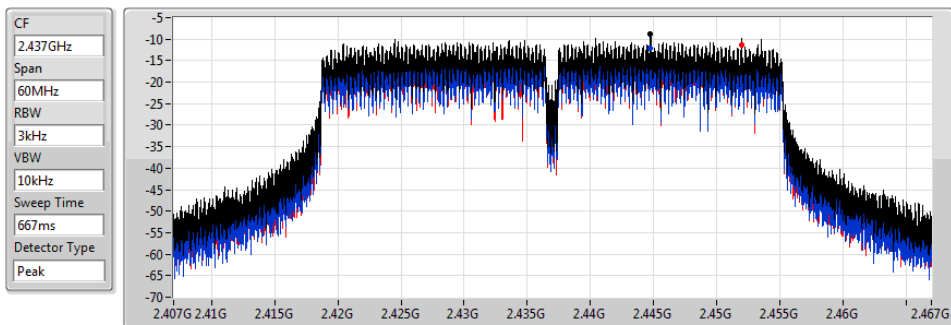
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-16.76	-16.76	-19.15	-19.04

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

### PSD

2437MHz

09/04/2019



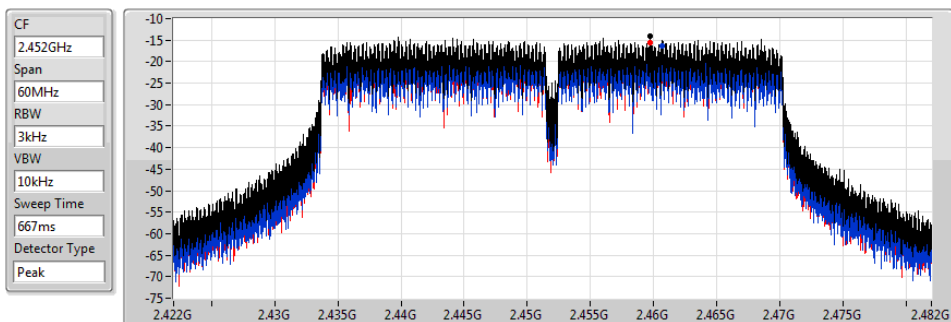
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-8.88	-8.88	-12.12	-11.39

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

### PSD

2452MHz

09/04/2019



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-14.11	-14.11	-16.26	-15.61



## CSE Non-restricted Band Result

Appendix E.1

### For Radio 1 Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43599G	13.48	-16.52	2.30204G	-43.04	2.39752G	-30.78	2.50644G	-42.40	16.55726G	-34.41	3
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43824G	9.22	-20.78	1.79061G	-43.83	2.3935G	-42.46	2.51822G	-41.87	16.84103G	-33.08	2
VHT20_Nss1,(MCS0)_4TX	Pass	2.43202G	9.62	-20.38	855.69M	-42.12	2.39918G	-36.81	2.4879G	-41.78	17.61928G	-32.98	2
VHT40_Nss1,(MCS0)_4TX	Pass	2.45202G	-0.78	-30.78	337.72M	-43.41	2.39892G	-40.53	2.55298G	-43.06	17.65485G	-32.36	3

### Result

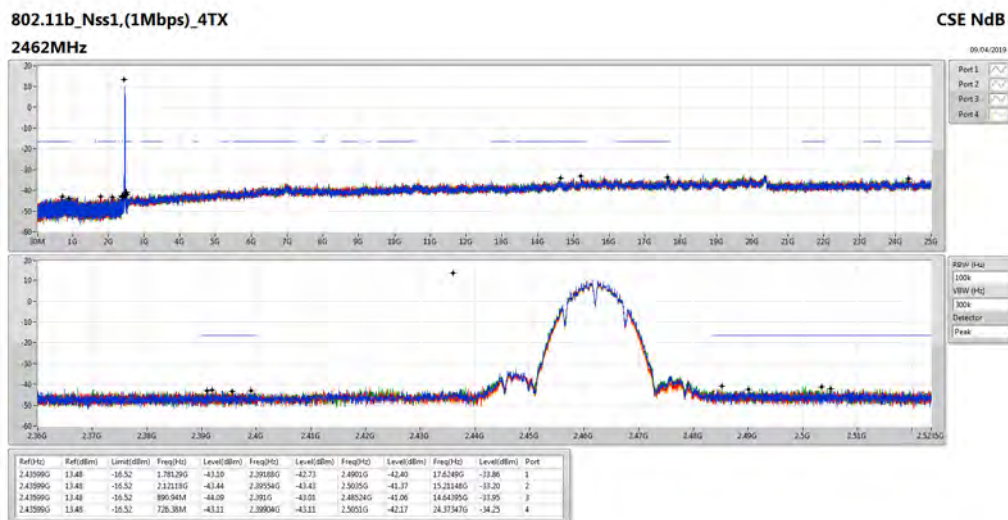
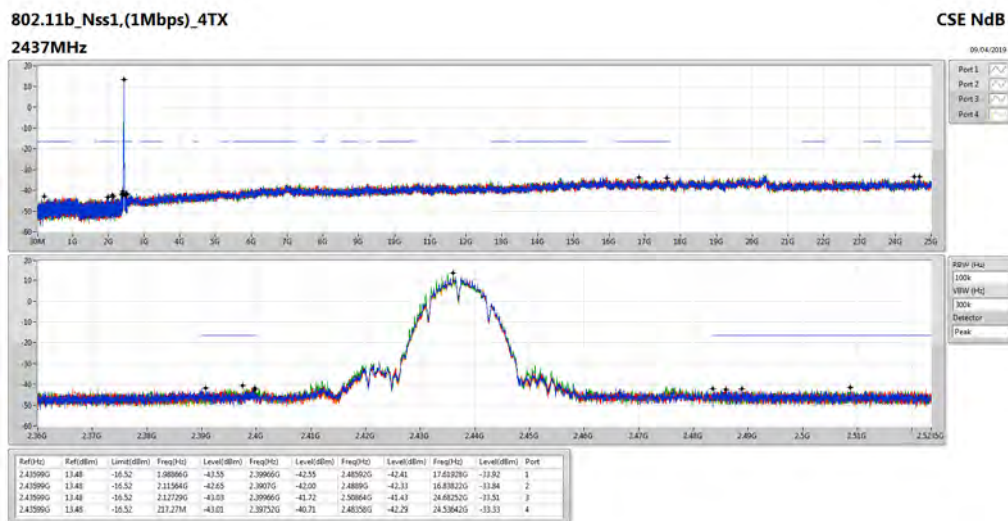
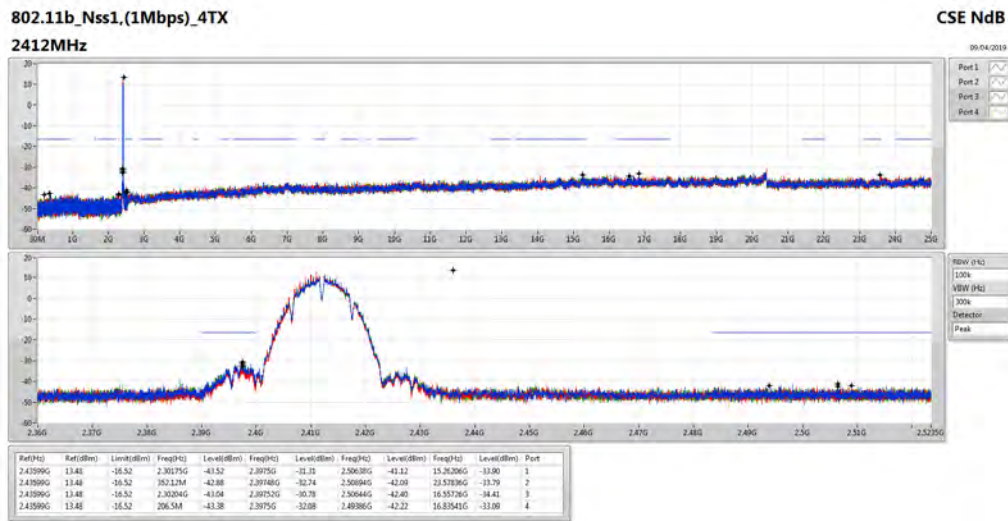
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	13.48	-16.52	2.30175G	-43.52	2.3975G	-31.31	2.50638G	-41.12	15.26206G	-33.90	1
2412MHz	Pass	2.43599G	13.48	-16.52	352.12M	-42.88	2.39748G	-32.74	2.50894G	-42.09	23.57836G	-33.79	2
2412MHz	Pass	2.43599G	13.48	-16.52	2.30204G	-43.04	2.39752G	-30.78	2.50644G	-42.40	16.55726G	-34.41	3
2412MHz	Pass	2.43599G	13.48	-16.52	206.5M	-43.38	2.3975G	-32.08	2.49386G	-42.22	16.83541G	-33.09	4
2437MHz	Pass	2.43599G	13.48	-16.52	1.98866G	-43.55	2.39966G	-42.55	2.48592G	-42.41	17.61928G	-33.92	1
2437MHz	Pass	2.43599G	13.48	-16.52	2.11564G	-42.65	2.3907G	-42.00	2.4889G	-42.33	16.83822G	-33.84	2
2437MHz	Pass	2.43599G	13.48	-16.52	2.12729G	-43.03	2.39966G	-41.72	2.50864G	-41.43	24.68252G	-33.51	3
2437MHz	Pass	2.43599G	13.48	-16.52	217.27M	-43.01	2.39752G	-40.71	2.48358G	-42.29	24.53642G	-33.33	4
2462MHz	Pass	2.43599G	13.48	-16.52	1.78129G	-43.10	2.39188G	-42.73	2.4901G	-42.40	17.6249G	-33.86	1
2462MHz	Pass	2.43599G	13.48	-16.52	2.12118G	-43.44	2.39554G	-43.43	2.5035G	-41.37	15.21148G	-33.20	2
2462MHz	Pass	2.43599G	13.48	-16.52	890.94M	-44.09	2.391G	-43.01	2.48524G	-41.06	14.64395G	-33.95	3
2462MHz	Pass	2.43599G	13.48	-16.52	726.38M	-43.11	2.39904G	-43.11	2.5051G	-42.17	24.37347G	-34.25	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	9.22	-20.78	301.74M	-43.30	2.39914G	-34.33	2.50942G	-42.07	24.05037G	-34.34	1
2412MHz	Pass	2.43824G	9.22	-20.78	912.2M	-43.02	2.39764G	-34.45	2.51482G	-42.81	14.61586G	-33.45	2
2412MHz	Pass	2.43824G	9.22	-20.78	665.51M	-42.73	2.39798G	-33.46	2.49842G	-40.72	17.03208G	-34.39	3
2412MHz	Pass	2.43824G	9.22	-20.78	2.30612G	-43.00	2.39914G	-34.39	2.48962G	-42.21	24.80614G	-33.60	4
2437MHz	Pass	2.43824G	9.22	-20.78	1.9374G	-43.90	2.39576G	-42.45	2.51732G	-42.58	17.63895G	-33.75	1
2437MHz	Pass	2.43824G	9.22	-20.78	1.79061G	-43.83	2.3935G	-42.46	2.51822G	-41.87	16.84103G	-33.08	2
2437MHz	Pass	2.43824G	9.22	-20.78	777.64M	-43.57	2.39952G	-39.20	2.51898G	-41.90	21.63133G	-34.43	3
2437MHz	Pass	2.43824G	9.22	-20.78	472.99M	-43.13	2.39638G	-40.73	2.49468G	-42.05	16.6865G	-33.66	4
2462MHz	Pass	2.43824G	9.22	-20.78	1.95021G	-42.81	2.39582G	-43.80	2.48384G	-40.64	16.21731G	-33.73	1
2462MHz	Pass	2.43824G	9.22	-20.78	796.86M	-43.06	2.39786G	-43.24	2.48362G	-39.40	14.14104G	-34.19	2
2462MHz	Pass	2.43824G	9.22	-20.78	1.94701G	-43.02	2.39178G	-44.27	2.48392G	-39.85	17.66142G	-33.71	3
2462MHz	Pass	2.43824G	9.22	-20.78	822.2M	-43.55	2.39056G	-43.33	2.48402G	-41.05	17.61647G	-34.46	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43202G	9.62	-20.38	2.12409G	-43.55	2.39824G	-37.58	2.49386G	-42.68	16.64436G	-33.56	1
2412MHz	Pass	2.43202G	9.62	-20.38	855.69M	-42.12	2.39918G	-36.81	2.4879G	-41.78	17.61928G	-32.98	2
2412MHz	Pass	2.43202G	9.62	-20.38	2.30321G	-43.55	2.39738G	-35.48	2.50582G	-42.15	17.65018G	-34.43	3
2412MHz	Pass	2.43202G	9.62	-20.38	954.72M	-43.11	2.3992G	-36.90	2.51452G	-42.58	17.61366G	-33.98	4
2437MHz	Pass	2.43202G	9.62	-20.38	722.59M	-42.81	2.39854G	-41.14	2.48874G	-41.83	24.57014G	-33.77	1
2437MHz	Pass	2.43202G	9.62	-20.38	338.73M	-43.39	2.39852G	-40.99	2.51166G	-41.67	15.02886G	-33.98	2
2437MHz	Pass	2.43202G	9.62	-20.38	708.9M	-43.12	2.39914G	-38.29	2.4844G	-41.62	24.42123G	-33.64	3
2437MHz	Pass	2.43202G	9.62	-20.38	2.13574G	-43.71	2.39954G	-39.95	2.51506G	-42.10	13.91628G	-34.42	4
2462MHz	Pass	2.43202G	9.62	-20.38	2.10865G	-43.39	2.39606G	-43.41	2.48422G	-40.97	24.70219G	-33.25	1
2462MHz	Pass	2.43202G	9.62	-20.38	841.13M	-42.63	2.39118G	-43.37	2.51894G	-41.03	15.30982G	-34.22	2

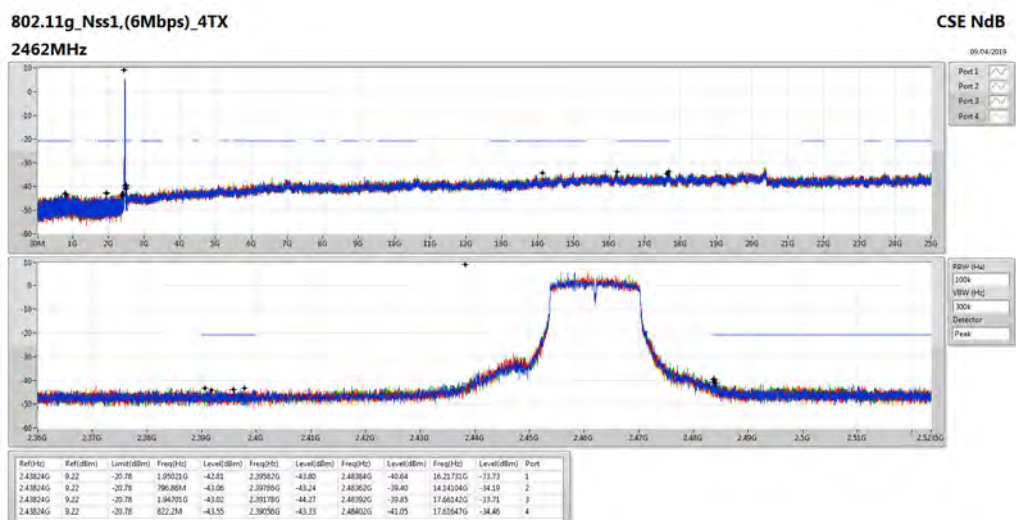
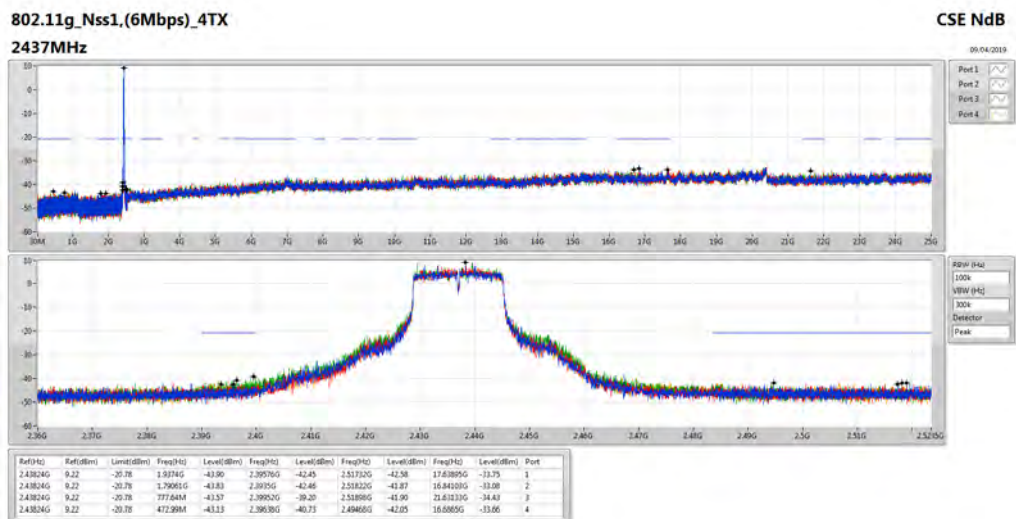
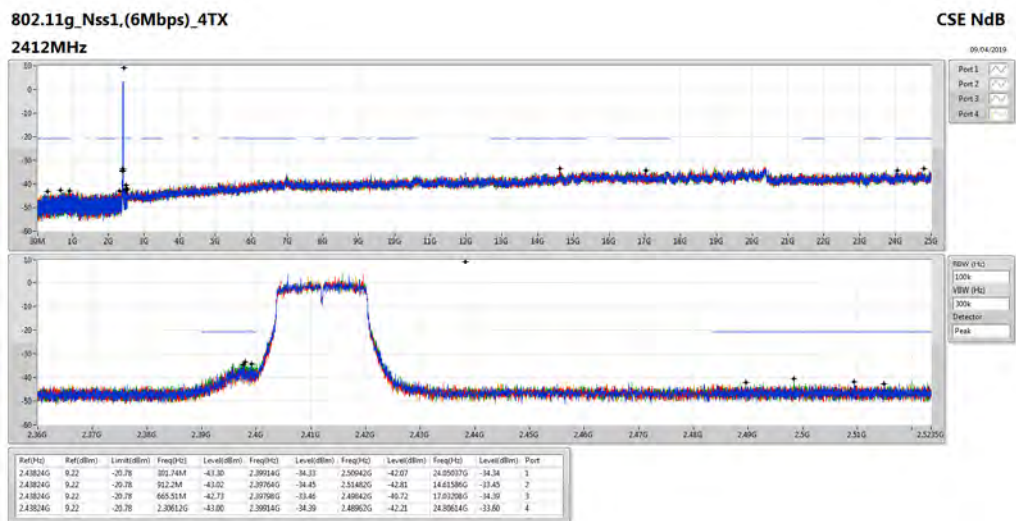


## CSE Non-restricted Band Result

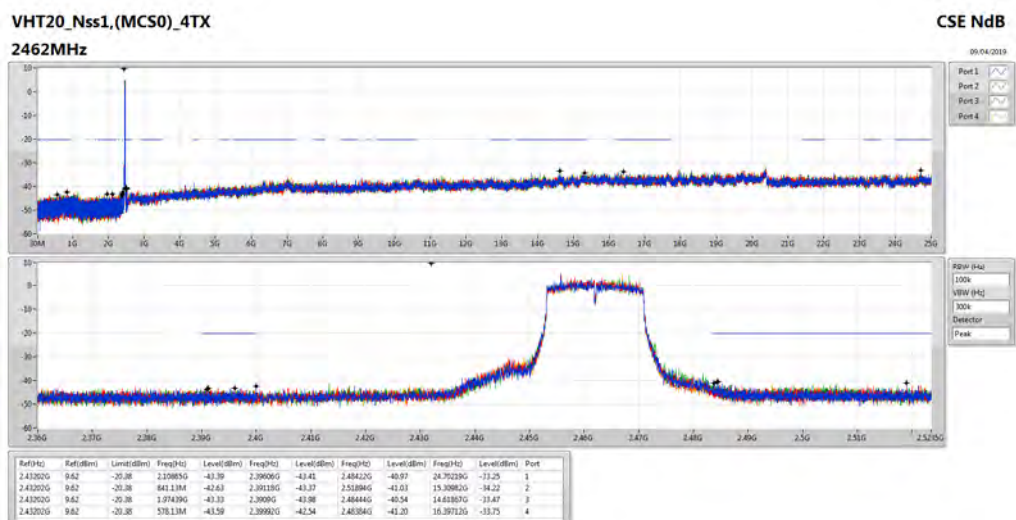
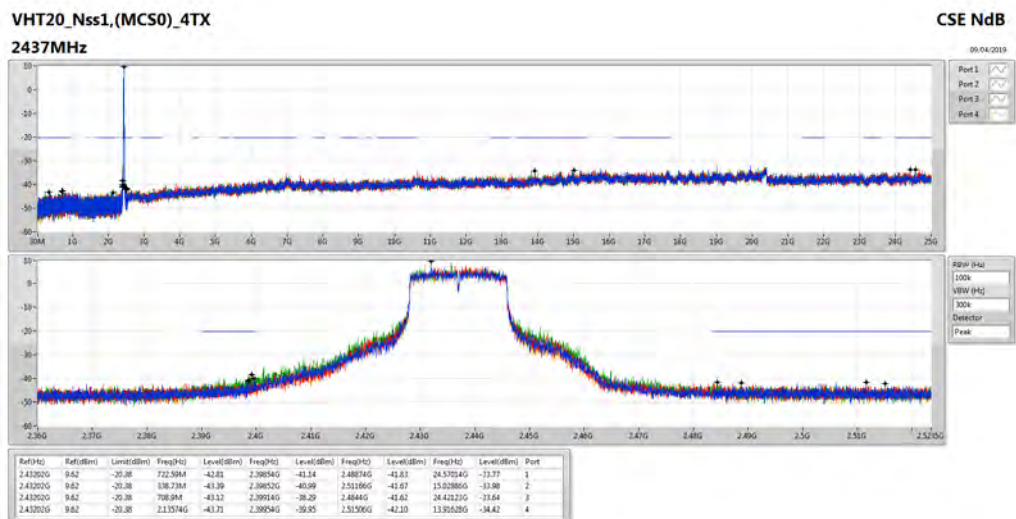
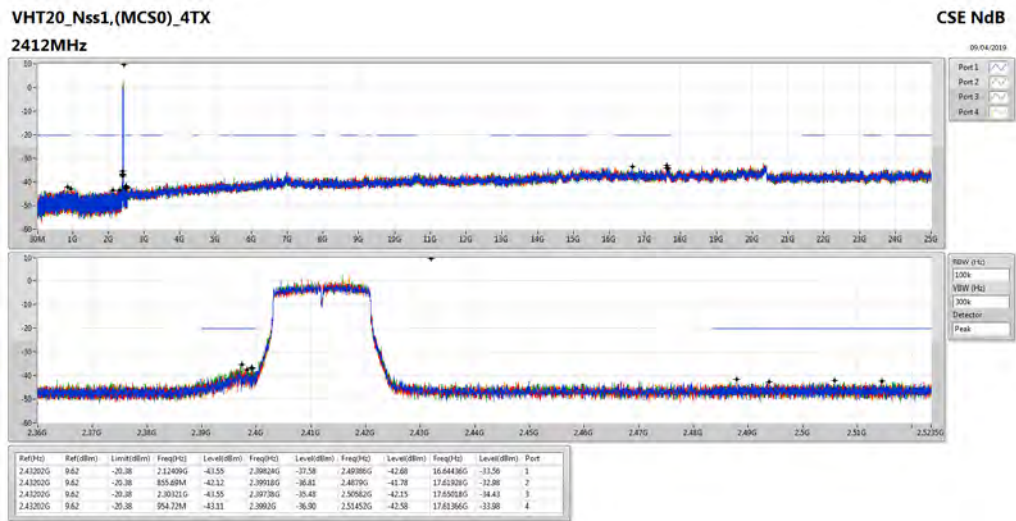
Appendix E.1

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
2462MHz	Pass	2.43202G	9.62	-20.38	1.97439G	-43.33	2.3909G	-43.98	2.48444G	-40.54	14.61867G	-33.47	3
2462MHz	Pass	2.43202G	9.62	-20.38	578.13M	-43.59	2.39992G	-42.54	2.48384G	-41.20	16.39712G	-33.75	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45202G	-0.78	-30.78	1.99453G	-42.30	2.39824G	-41.56	2.49206G	-41.90	17.48097G	-33.79	1
2422MHz	Pass	2.45202G	-0.78	-30.78	597.63M	-43.74	2.39636G	-39.18	2.5517G	-42.81	16.86396G	-34.15	2
2422MHz	Pass	2.45202G	-0.78	-30.78	337.72M	-43.41	2.39892G	-40.53	2.55298G	-43.06	17.65485G	-32.36	3
2422MHz	Pass	2.45202G	-0.78	-30.78	922.24M	-43.65	2.39136G	-40.67	2.54134G	-43.13	16.58912G	-34.02	4
2437MHz	Pass	2.45202G	-0.78	-30.78	559.28M	-43.31	2.39984G	-40.80	2.50494G	-42.33	24.45591G	-34.18	1
2437MHz	Pass	2.45202G	-0.78	-30.78	500.6M	-43.72	2.39948G	-38.52	2.50602G	-42.55	16.47693G	-33.31	2
2437MHz	Pass	2.45202G	-0.78	-30.78	220.36M	-40.78	2.39948G	-39.51	2.55002G	-41.27	14.98491G	-33.52	3
2437MHz	Pass	2.45202G	-0.78	-30.78	861.27M	-43.61	2.39988G	-39.90	2.52274G	-42.38	17.63522G	-33.03	4
2452MHz	Pass	2.45202G	-0.78	-30.78	682.94M	-42.62	2.39996G	-43.23	2.53094G	-42.71	16.89481G	-34.22	1
2452MHz	Pass	2.45202G	-0.78	-30.78	663.76M	-43.56	2.39616G	-43.86	2.54198G	-41.60	15.27939G	-34.01	2
2452MHz	Pass	2.45202G	-0.78	-30.78	2.13365G	-42.76	2.39636G	-43.52	2.54914G	-42.43	15.31024G	-33.52	3
2452MHz	Pass	2.45202G	-0.78	-30.78	2.08928G	-42.56	2.39884G	-43.66	2.52618G	-42.31	17.68851G	-33.01	4



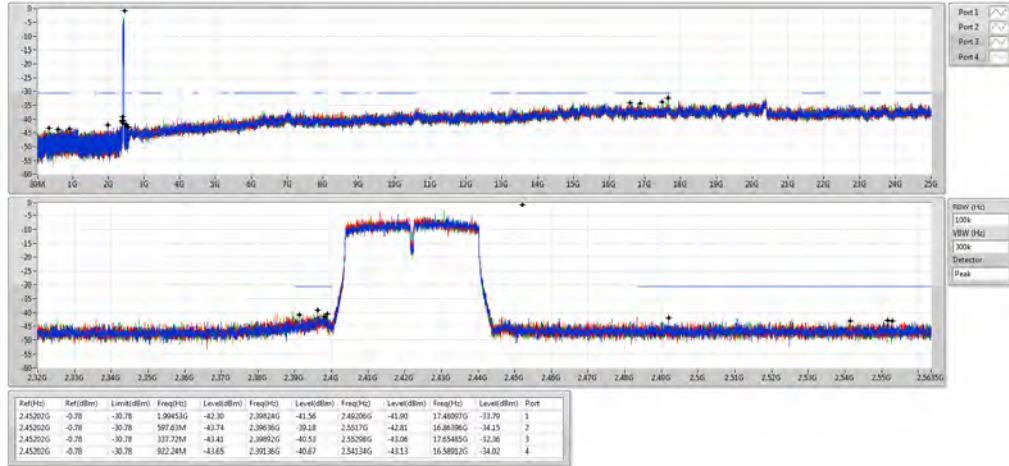






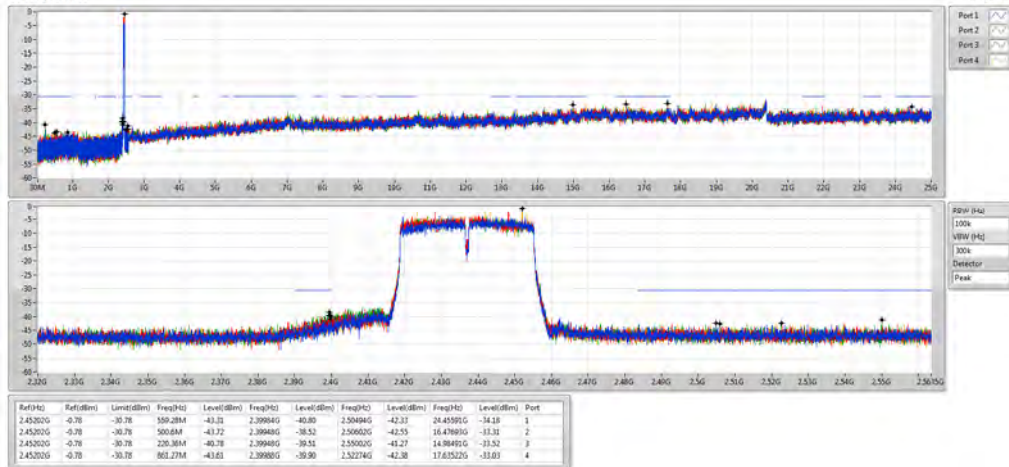
VHT40\_Nss1,(MCS0)\_4TX  
2422MHz

CSE NdB



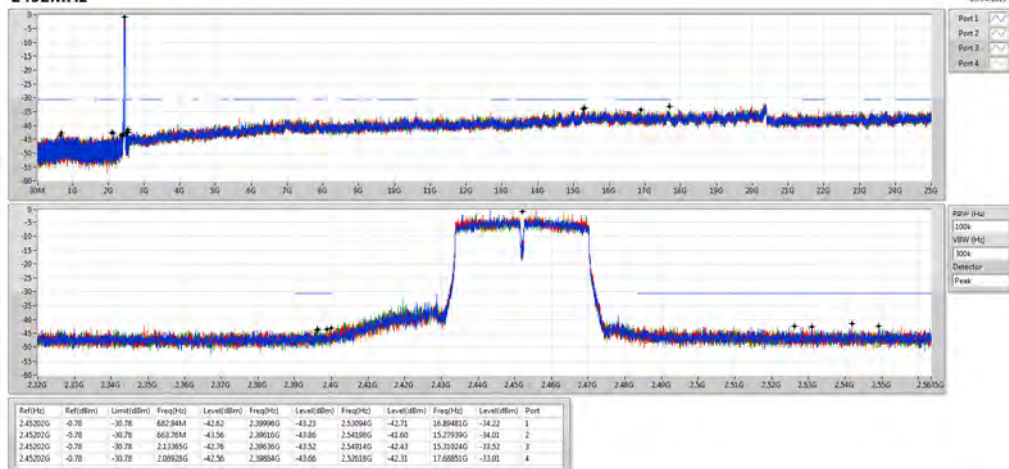
VHT40\_Nss1,(MCS0)\_4TX  
2437MHz

CSE NdB



VHT40\_Nss1,(MCS0)\_4TX  
2452MHz

CSE NdB





## CSE Non-restricted Band Result

Appendix E.2

### For Radio 3 Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43545G	13.10	-16.90	573.76M	-43.83	2.39748G	-37.79	2.51694G	-42.52	17.49004G	-33.00	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44317G	10.33	-19.67	1.76352G	-43.73	2.39972G	-27.89	2.5116G	-41.84	17.61647G	-34.30	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.44321G	11.65	-18.35	681.82M	-43.73	2.39986G	-27.32	2.50748G	-41.76	16.22574G	-33.91	2
VHT40_Nss1,(MCS0)_2TX	Pass	2.42948G	3.61	-26.39	2.30111G	-42.98	2.39868G	-44.44	2.48386G	-41.58	17.65766G	-32.81	2

### Result

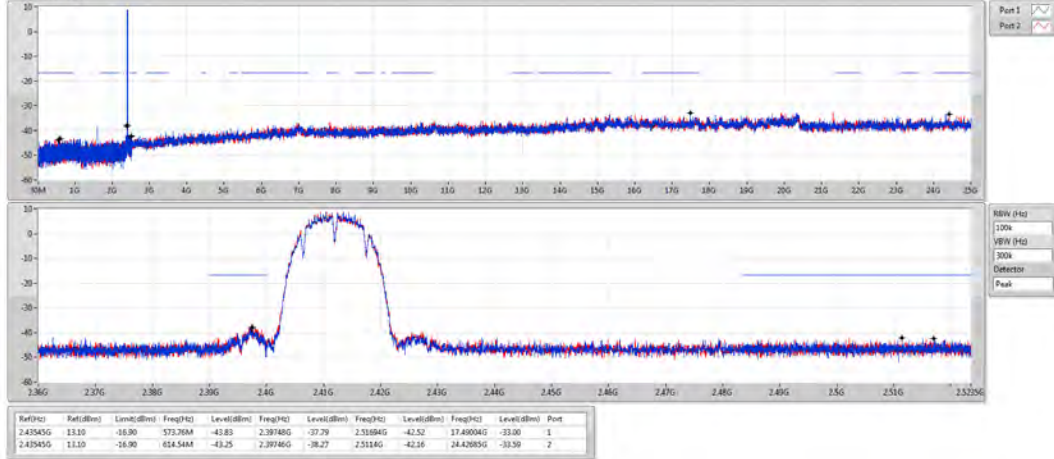
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43545G	13.10	-16.90	573.76M	-43.83	2.39748G	-37.79	2.51694G	-42.52	17.49004G	-33.00	1
2412MHz	Pass	2.43545G	13.10	-16.90	614.54M	-43.25	2.39746G	-38.27	2.5114G	-42.16	24.42685G	-33.59	2
2437MHz	Pass	2.43545G	13.10	-16.90	1.62459G	-39.20	2.39998G	-41.91	2.4948G	-42.71	15.27891G	-34.30	1
2437MHz	Pass	2.43545G	13.10	-16.90	830.94M	-42.06	2.39986G	-40.49	2.49116G	-41.54	24.42404G	-34.45	2
2462MHz	Pass	2.43545G	13.10	-16.90	1.64149G	-39.37	2.39656G	-43.11	2.49958G	-41.58	24.46337G	-34.16	1
2462MHz	Pass	2.43545G	13.10	-16.90	1.64149G	-39.42	2.39256G	-42.48	2.52148G	-42.07	16.57974G	-33.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44317G	10.33	-19.67	1.76352G	-43.73	2.39972G	-27.89	2.5116G	-41.84	17.61647G	-34.30	1
2412MHz	Pass	2.44317G	10.33	-19.67	798.9M	-43.23	2.39974G	-28.14	2.4874G	-41.04	17.61085G	-34.18	2
2437MHz	Pass	2.44317G	10.33	-19.67	724.05M	-42.19	2.3998G	-37.77	2.49264G	-41.58	17.2147G	-34.20	1
2437MHz	Pass	2.44317G	10.33	-19.67	1.62459G	-42.12	2.39944G	-38.54	2.48536G	-41.41	15.04291G	-34.48	2
2462MHz	Pass	2.44317G	10.33	-19.67	1.64149G	-41.61	2.39842G	-42.75	2.48788G	-41.52	17.65299G	-32.19	1
2462MHz	Pass	2.44317G	10.33	-19.67	1.64149G	-41.22	2.39164G	-43.02	2.48384G	-40.78	16.38026G	-33.35	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44321G	11.65	-18.35	945.98M	-42.60	2.39982G	-30.95	2.49984G	-42.10	17.65299G	-33.26	1
2412MHz	Pass	2.44321G	11.65	-18.35	681.82M	-43.73	2.39986G	-27.32	2.50748G	-41.76	16.22574G	-33.91	2
2437MHz	Pass	2.44321G	11.65	-18.35	1.62459G	-40.65	2.39886G	-38.60	2.48676G	-40.38	17.6558G	-33.62	1
2437MHz	Pass	2.44321G	11.65	-18.35	1.62459G	-42.23	2.39986G	-37.55	2.48876G	-40.98	15.02043G	-33.83	2
2462MHz	Pass	2.44321G	11.65	-18.35	1.64149G	-42.60	2.39806G	-43.78	2.49332G	-41.63	17.65861G	-34.11	1
2462MHz	Pass	2.44321G	11.65	-18.35	1.64149G	-41.17	2.39756G	-42.23	2.4841G	-40.90	15.32668G	-33.71	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42948G	3.61	-26.39	731.89M	-43.26	2.39976G	-36.30	2.49602G	-42.33	23.38738G	-34.01	1
2422MHz	Pass	2.42948G	3.61	-26.39	891.9M	-43.52	2.39948G	-35.86	2.56138G	-42.36	17.24819G	-32.94	2
2437MHz	Pass	2.42948G	3.61	-26.39	1.6247G	-41.28	2.3994G	-40.24	2.48406G	-41.82	16.59192G	-33.95	1
2437MHz	Pass	2.42948G	3.61	-26.39	1.6247G	-41.97	2.39952G	-38.87	2.49826G	-42.19	17.65766G	-34.28	2
2452MHz	Pass	2.42948G	3.61	-26.39	1.63472G	-43.41	2.3952G	-43.44	2.50274G	-42.24	16.61155G	-33.56	1
2452MHz	Pass	2.42948G	3.61	-26.39	2.30111G	-42.98	2.39868G	-44.44	2.48386G	-41.58	17.65766G	-32.81	2



802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

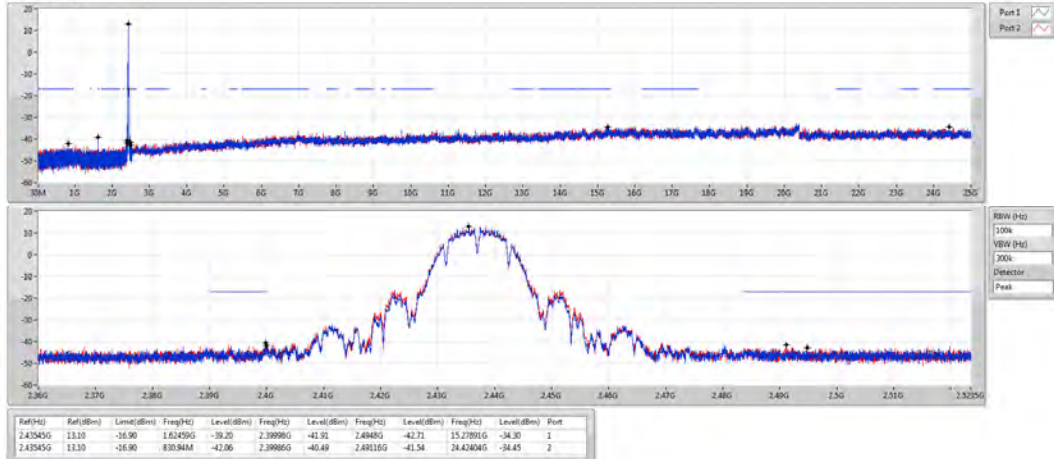
2412MHz



802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

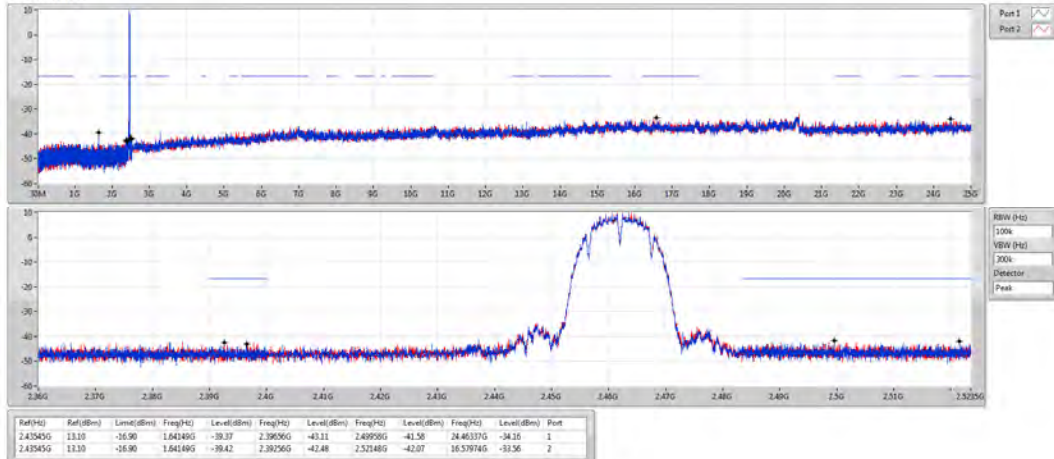
2437MHz



802.11b\_Nss1,(1Mbps)\_2TX

CSE NdB

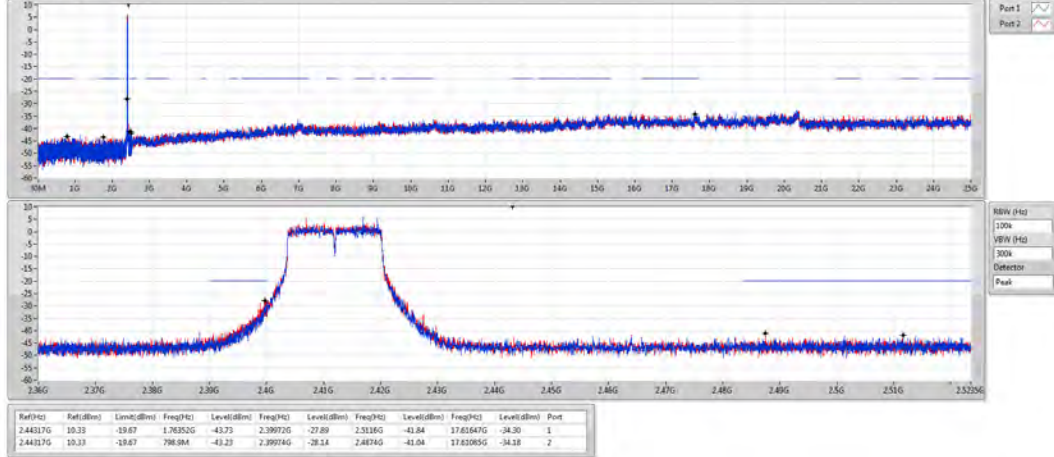
2462MHz



802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

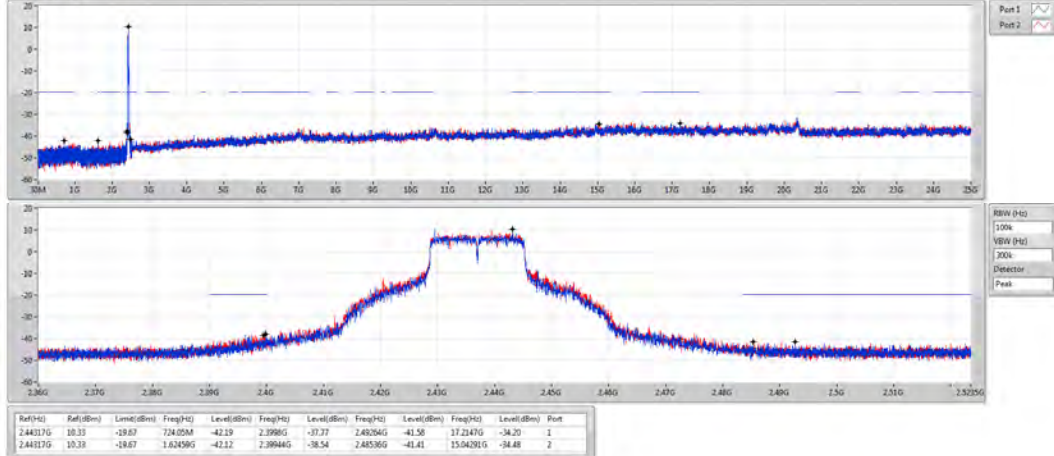
2412MHz



802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

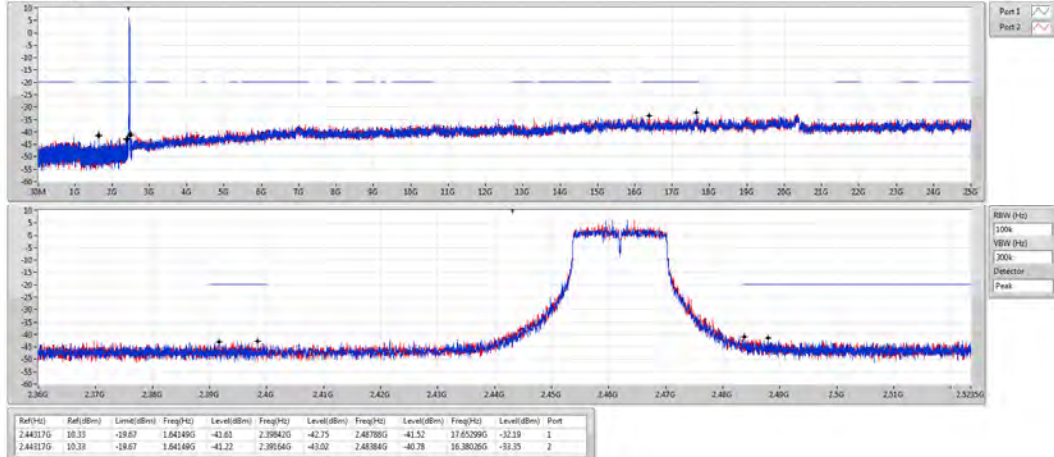
2437MHz



802.11g\_Nss1,(6Mbps)\_2TX

CSE NdB

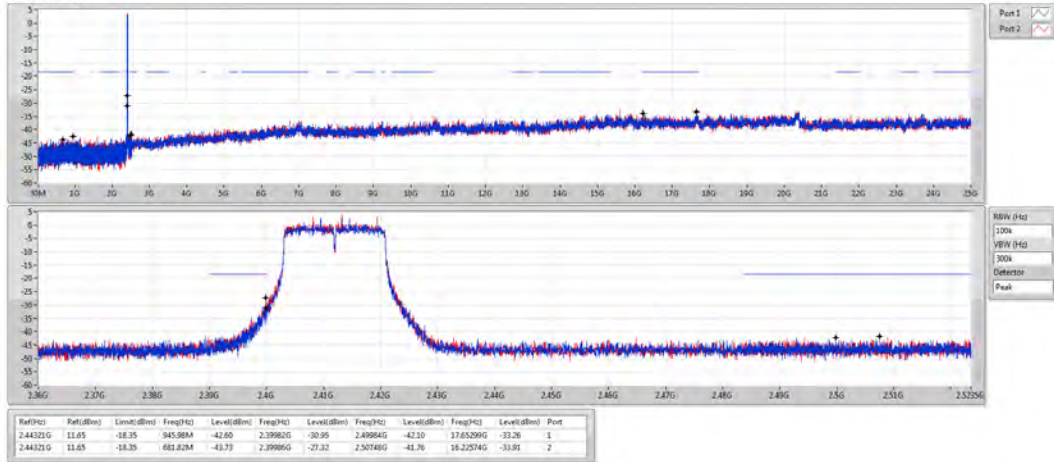
2462MHz



VHT20\_Nss1,(MCS0)\_2TX

CSE NdB

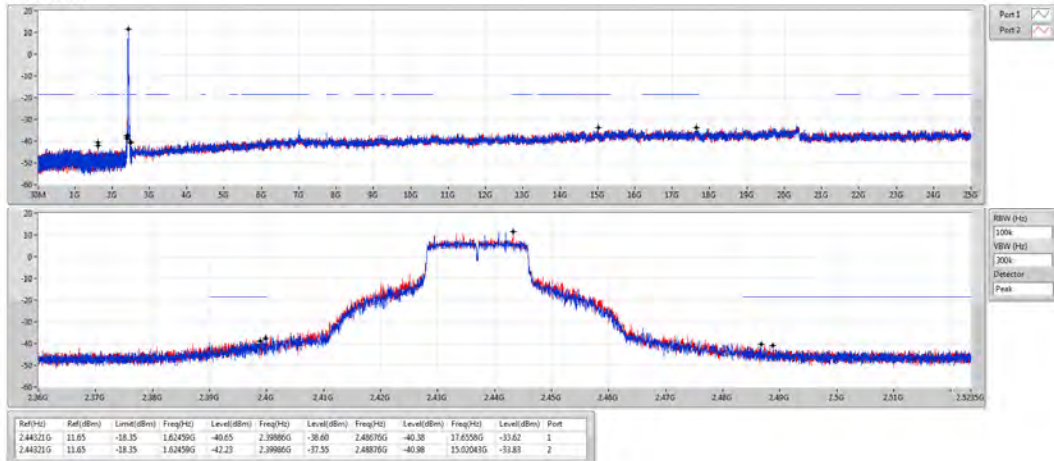
2412MHz



VHT20\_Nss1,(MCS0)\_2TX

CSE NdB

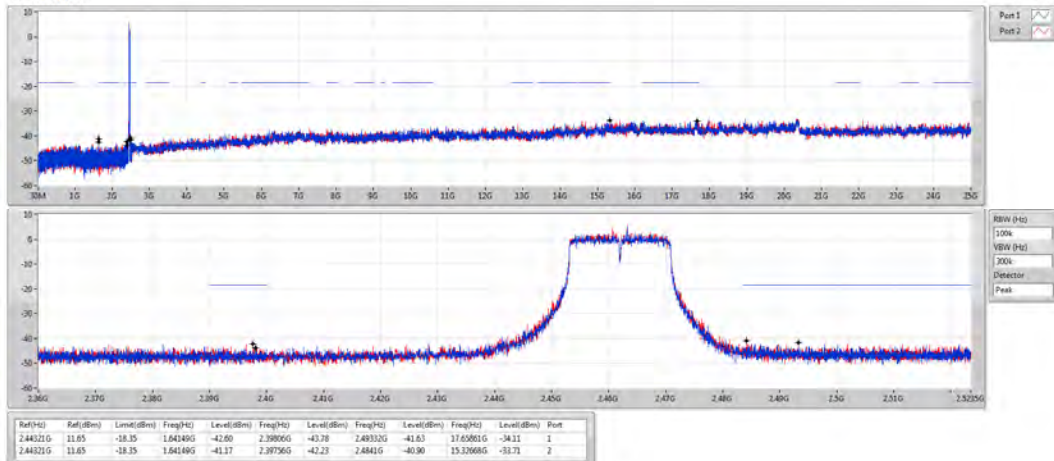
2437MHz



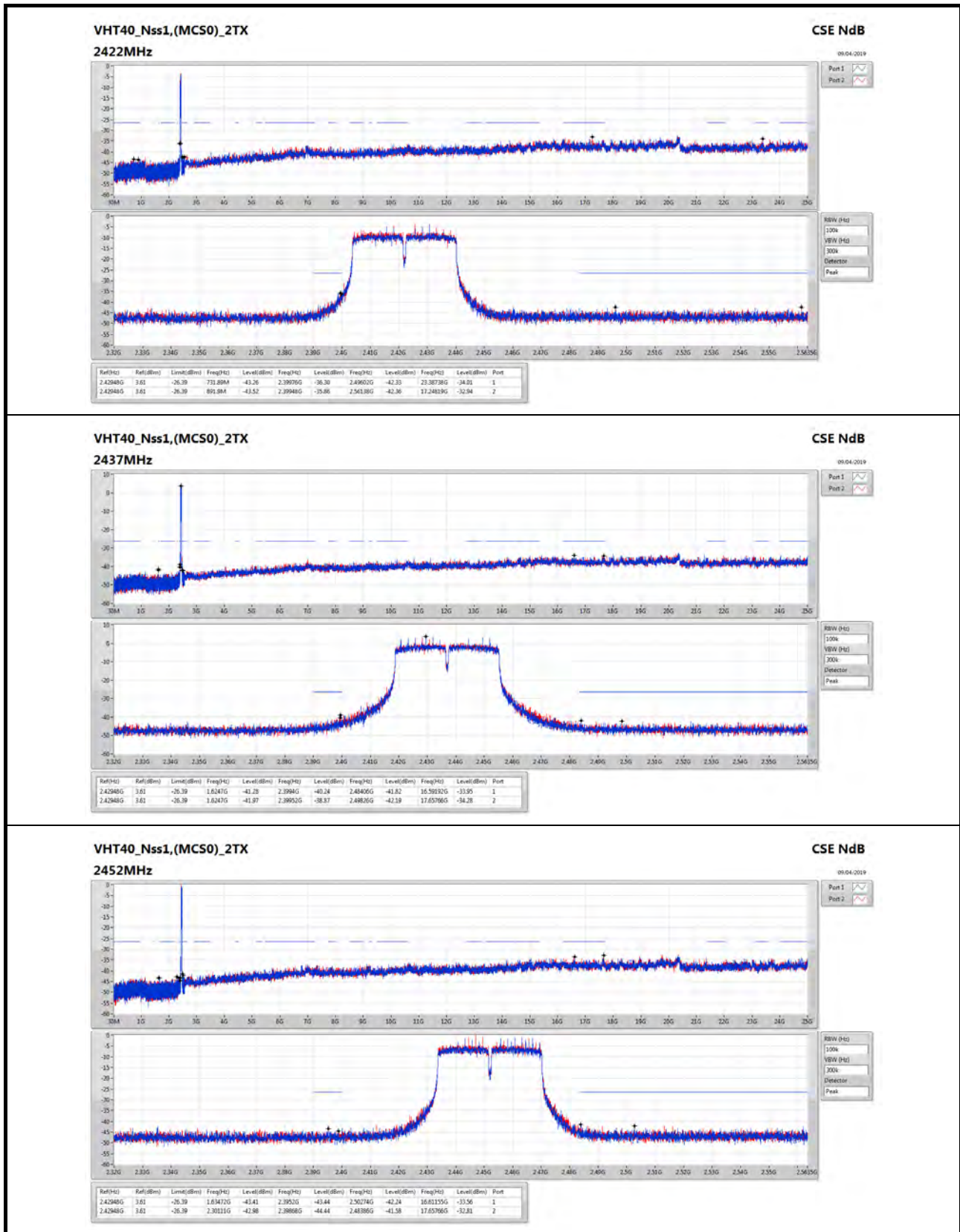
VHT20\_Nss1,(MCS0)\_2TX

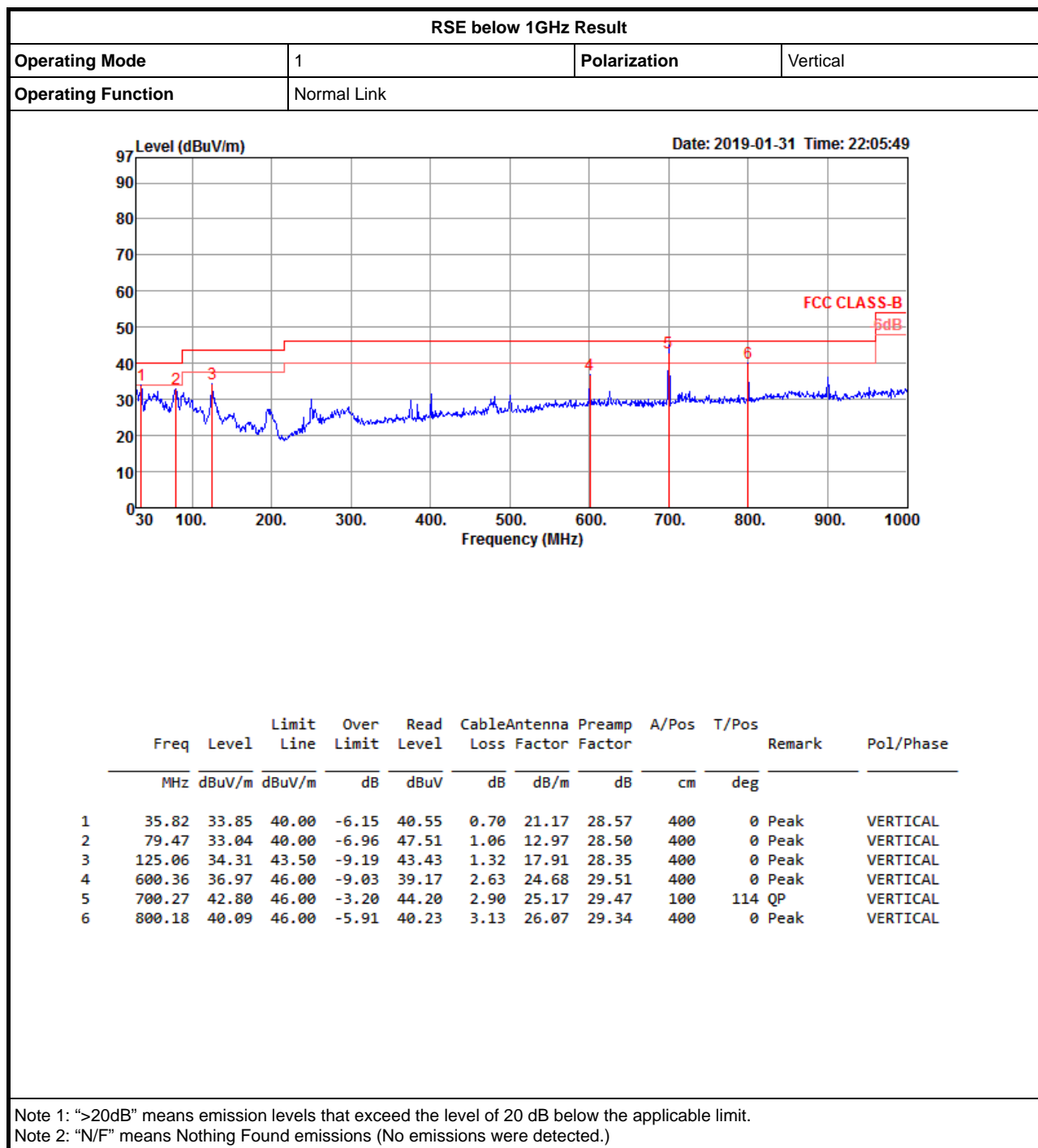
CSE NdB

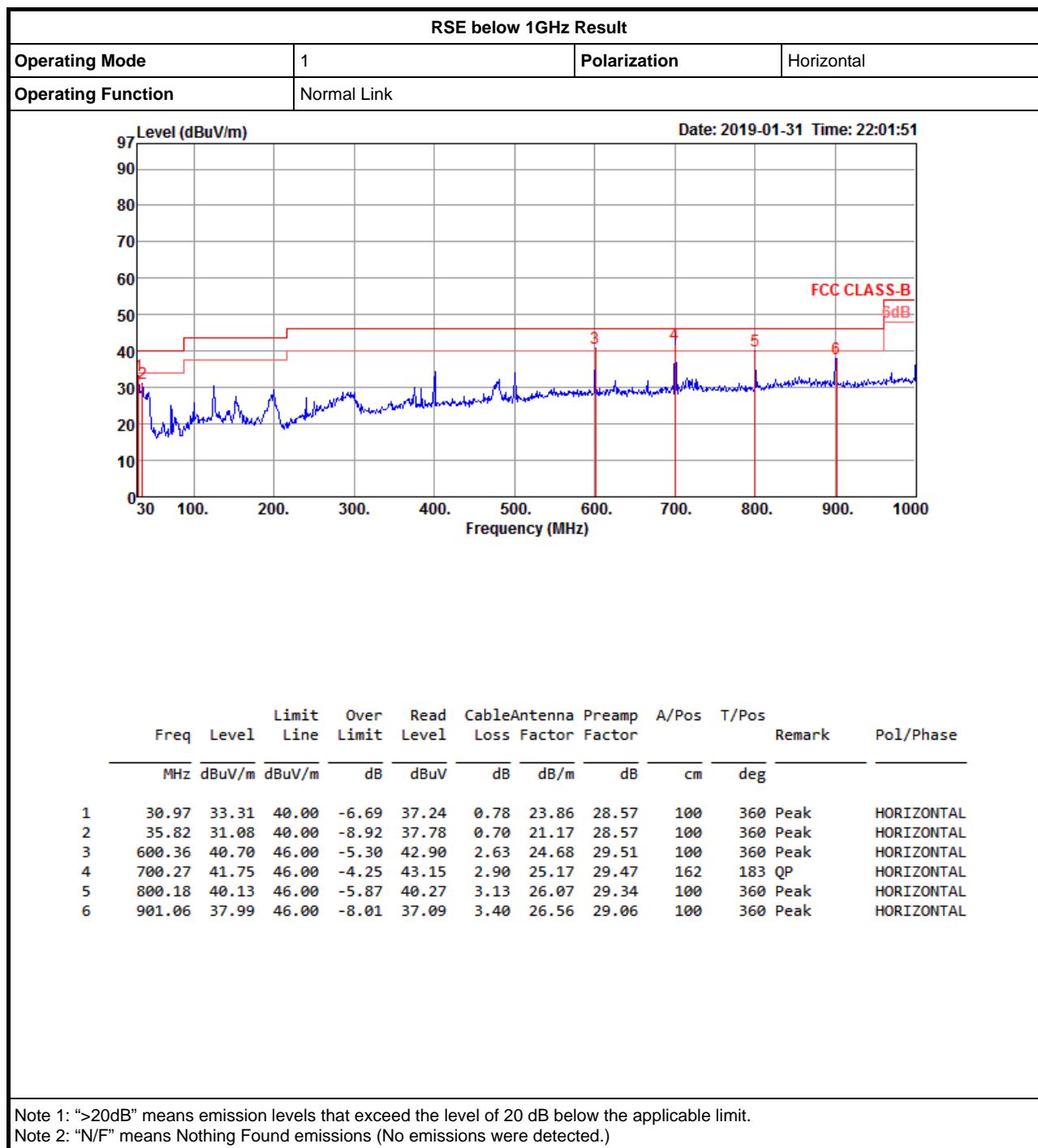
2462MHz













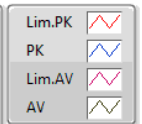
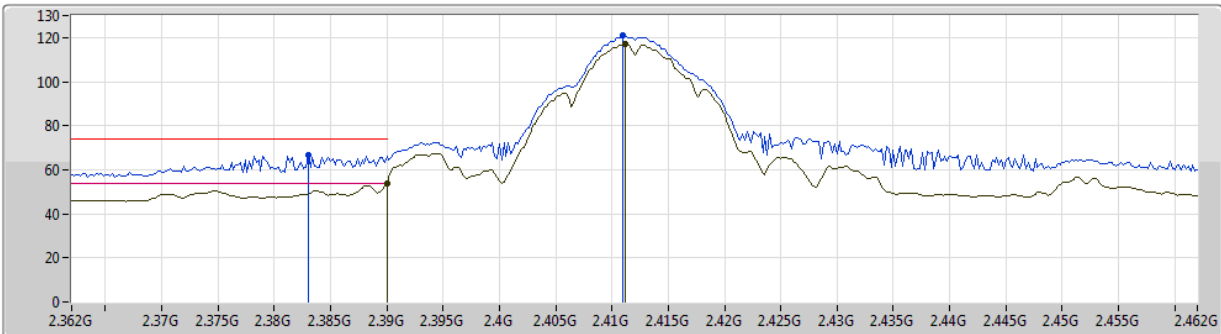
**For Radio 1  
Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
VHT20_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	53.96	54.00	-0.04	30.96	3	Horizontal	6	1.93	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2412MHz\_TX



EUT\_Y\_4TX  
Setting 20  
01-E-2  
Dipole Ant  
FSP(100080)

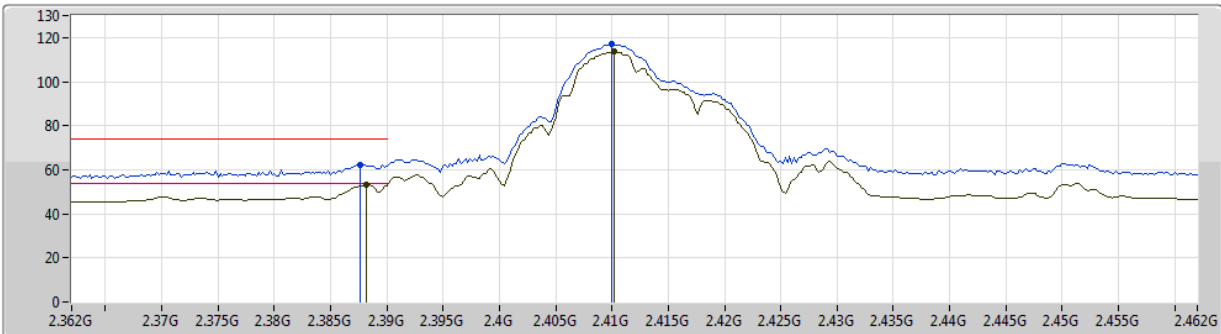
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.383G	66.69	74.00	-7.31	30.78	3	Vertical	175	2.16	-
AV	2.39G	53.89	54.00	-0.11	30.80	3	Vertical	175	2.16	-
PK	2.411G	120.81	Inf	-Inf	30.86	3	Vertical	175	2.16	-
AV	2.4112G	117.21	Inf	-Inf	30.86	3	Vertical	175	2.16	-



## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2412MHz\_TX



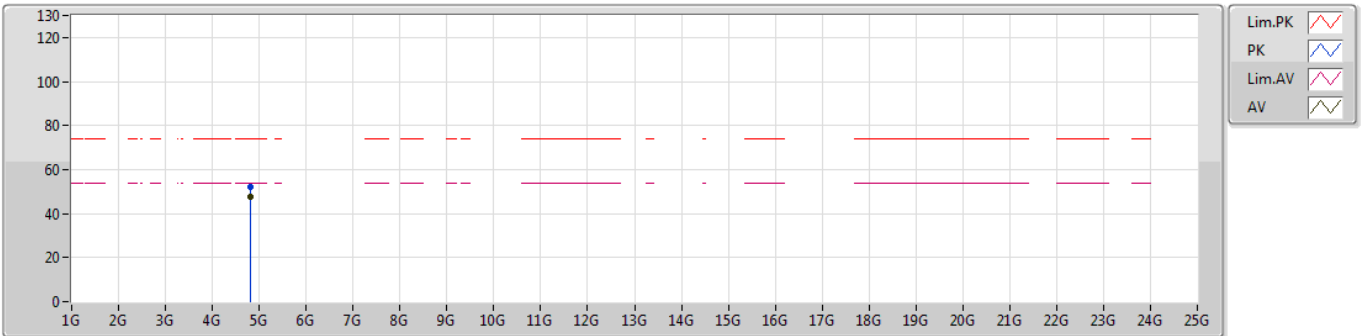
EUT\_Y\_4TX  
Setting 20  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3876G	62.33	74.00	-11.67	30.79	3	Horizontal	0	2.17	-
AV	2.3882G	53.38	54.00	-0.62	30.79	3	Horizontal	0	2.17	-
PK	2.41G	116.84	Inf	-Inf	30.86	3	Horizontal	0	2.17	-
AV	2.4102G	113.50	Inf	-Inf	30.86	3	Horizontal	0	2.17	-

# 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

## 2412MHz\_TX



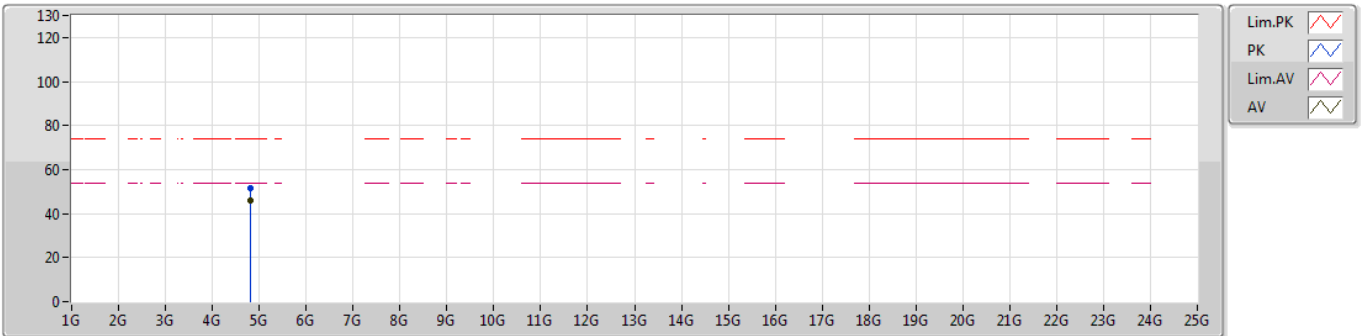
EUT Z\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.81296G	51.98	74.00	-22.02	3.54	3	Vertical	290	1.60	-
AV	4.81302G	47.65	54.00	-6.35	3.54	3	Vertical	290	1.60	-

# 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

## 2412MHz\_TX



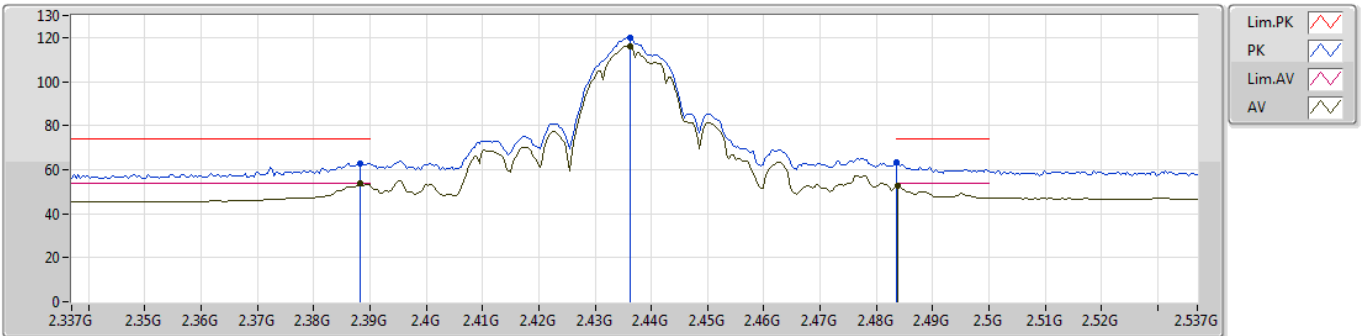
EUT Z\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.824G	51.63	74.00	-22.37	3.59	3	Horizontal	88	2.44	-
AV	4.824G	45.97	54.00	-8.03	3.59	3	Horizontal	88	2.44	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2437MHz\_TX



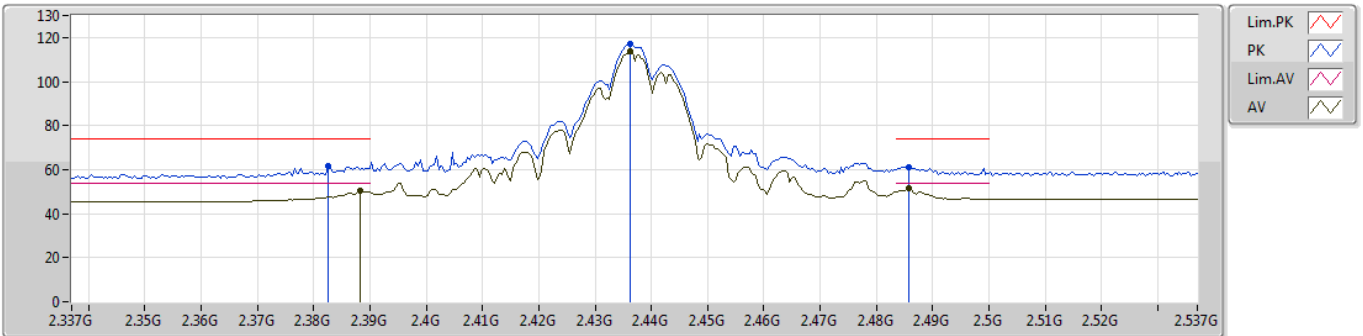
EUT\_Y\_4TX  
Setting 22  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3882G	62.70	74.00	-11.30	30.79	3	Vertical	0	1.57	-
AV	2.3882G	53.81	54.00	-0.19	30.79	3	Vertical	0	1.57	-
PK	2.4362G	119.86	Inf	-Inf	30.90	3	Vertical	0	1.57	-
AV	2.4362G	116.10	Inf	-Inf	30.90	3	Vertical	0	1.57	-
PK	2.48351G	63.44	74.00	-10.56	30.96	3	Vertical	0	1.57	-
AV	2.4838G	52.95	54.00	-1.05	30.96	3	Vertical	0	1.57	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

## 2437MHz\_TX



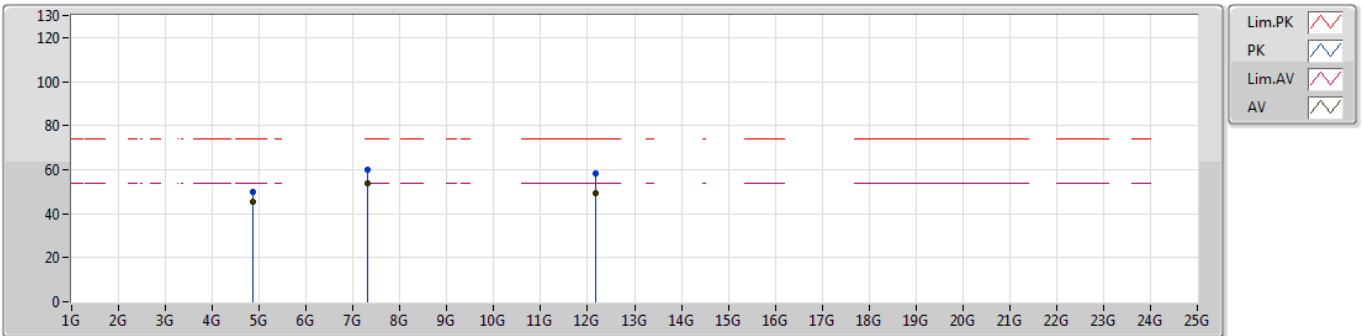
EUT\_Y\_4TX  
Setting 22  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3826G	61.66	74.00	-12.34	30.78	3	Horizontal	340	1.81	-
AV	2.3882G	50.48	54.00	-3.52	30.79	3	Horizontal	340	1.81	-
PK	2.4362G	117.17	Inf	-Inf	30.90	3	Horizontal	340	1.81	-
AV	2.4362G	113.54	Inf	-Inf	30.90	3	Horizontal	340	1.81	-
PK	2.4858G	61.07	74.00	-12.93	30.97	3	Horizontal	340	1.81	-
AV	2.4858G	51.65	54.00	-2.35	30.97	3	Horizontal	340	1.81	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2437MHz\_TX



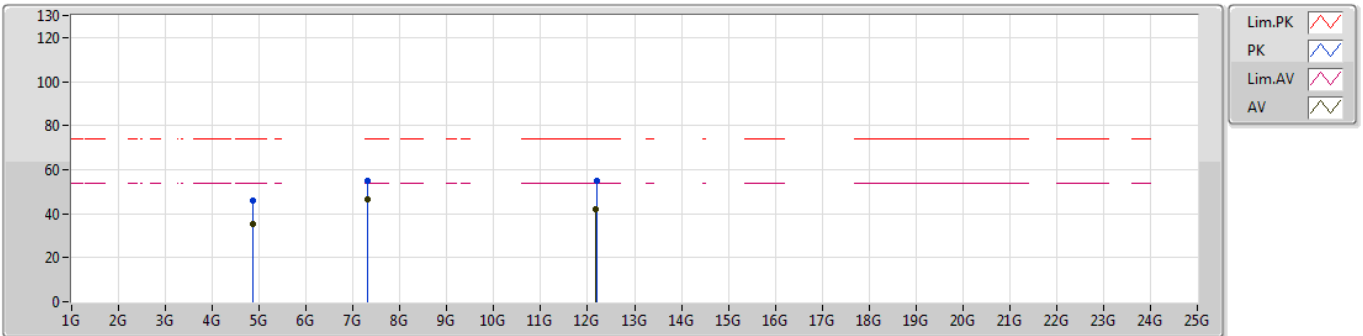
EUT Z\_4TX  
Setting 22  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87408G	50.07	74.00	-23.93	3.81	3	Vertical	246	2.46	-
AV	4.874G	45.39	54.00	-8.61	3.81	3	Vertical	246	2.46	-
PK	7.30996G	59.69	74.00	-14.31	9.25	3	Vertical	63	2.11	-
AV	7.31028G	53.85	54.00	-0.15	9.25	3	Vertical	63	2.11	-
PK	12.18388G	58.20	74.00	-15.80	12.68	3	Vertical	148	2.99	-
AV	12.18324G	49.47	54.00	-4.53	12.68	3	Vertical	148	2.99	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2437MHz\_TX



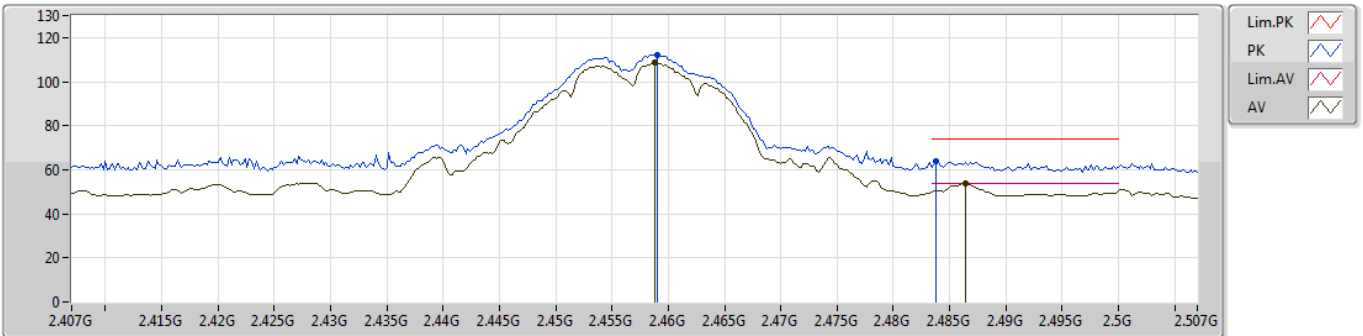
EUT\_Z\_4TX  
Setting 22  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.86352G	45.77	74.00	-28.23	3.77	3	Horizontal	206	1.47	-
AV	4.87408G	35.45	54.00	-18.55	3.81	3	Horizontal	206	1.47	-
PK	7.31004G	54.83	74.00	-19.17	9.25	3	Horizontal	286	2.14	-
AV	7.30996G	46.74	54.00	-7.26	9.25	3	Horizontal	286	2.14	-
PK	12.18524G	55.04	74.00	-18.96	12.68	3	Horizontal	133	2.25	-
AV	12.17228G	41.81	54.00	-12.19	12.63	3	Horizontal	133	2.25	-

# 802.11b\_Nss1,(1Mbps)\_4TX

09/04/2019

## 2457MHz\_TX



EUT\_Y\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

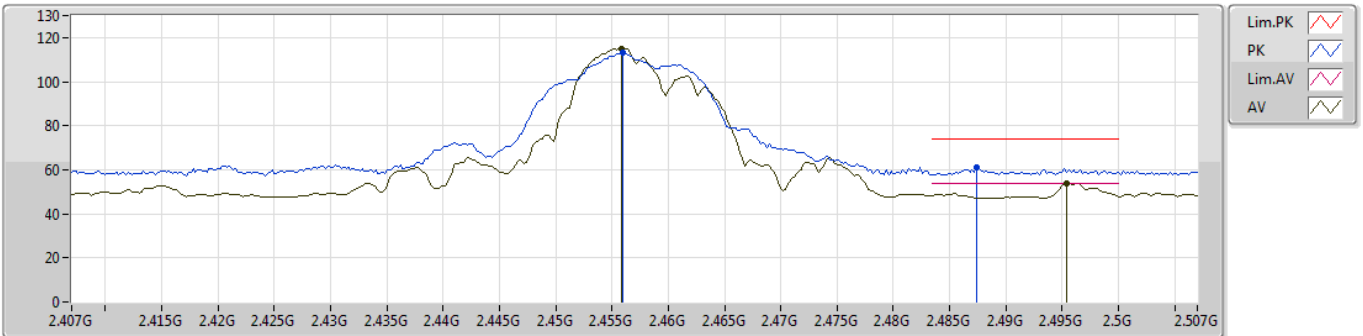
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.459G	112.03	Inf	-Inf	30.93	3	Vertical	1	1.50	-
AV	2.4588G	108.54	Inf	-Inf	30.93	3	Vertical	1	1.50	-
PK	2.4838G	64.09	74.00	-9.91	30.96	3	Vertical	1	1.50	-
AV	2.4864G	53.78	54.00	-0.22	30.97	3	Vertical	1	1.50	-



## 802.11b\_Nss1,(1Mbps)\_4TX

12/04/2019

### 2457MHz\_TX



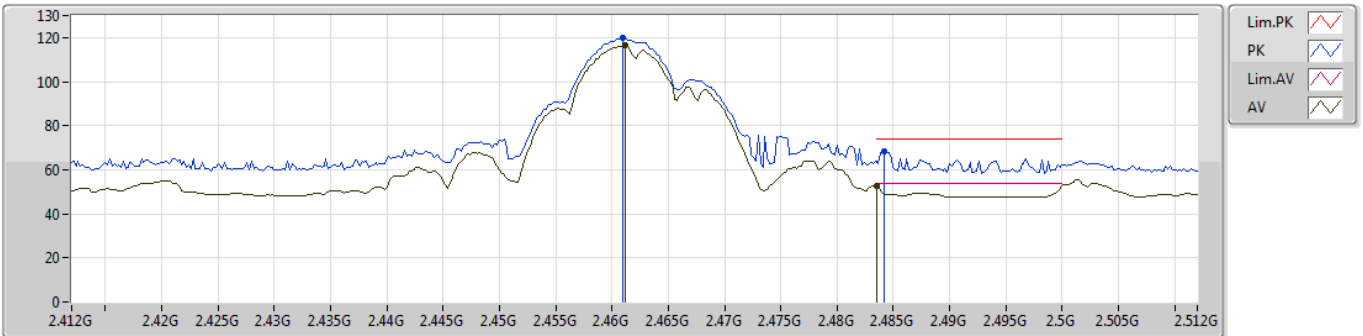
EUT Y\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.456G	113.05	Inf	-Inf	30.93	3	Horizontal	4	2.61	-
AV	2.4558G	114.75	Inf	-Inf	30.93	3	Horizontal	4	2.61	-
PK	2.4874G	61.22	74.00	-12.78	30.97	3	Horizontal	4	2.61	-
AV	2.4954G	53.84	54.00	-0.16	30.99	3	Horizontal	4	2.61	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2462MHz\_TX



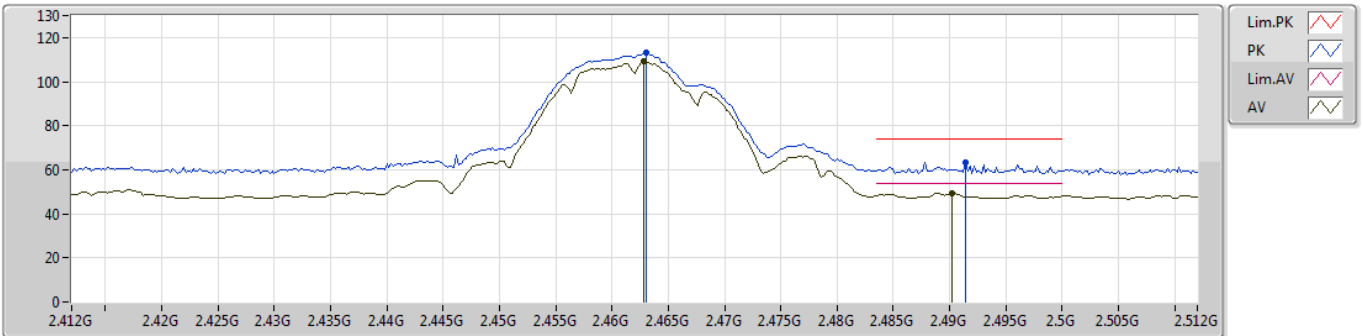
EUT Y\_4TX  
Setting 19  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.461 G	119.97	Inf	-Inf	30.93	3	Vertical	355	1.50	-
AV	2.4612 G	116.29	Inf	-Inf	30.93	3	Vertical	355	1.50	-
PK	2.4842 G	68.13	74.00	-5.87	30.96	3	Vertical	355	1.50	-
AV	2.4835 G	52.83	54.00	-1.17	30.96	3	Vertical	355	1.50	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2462MHz\_TX



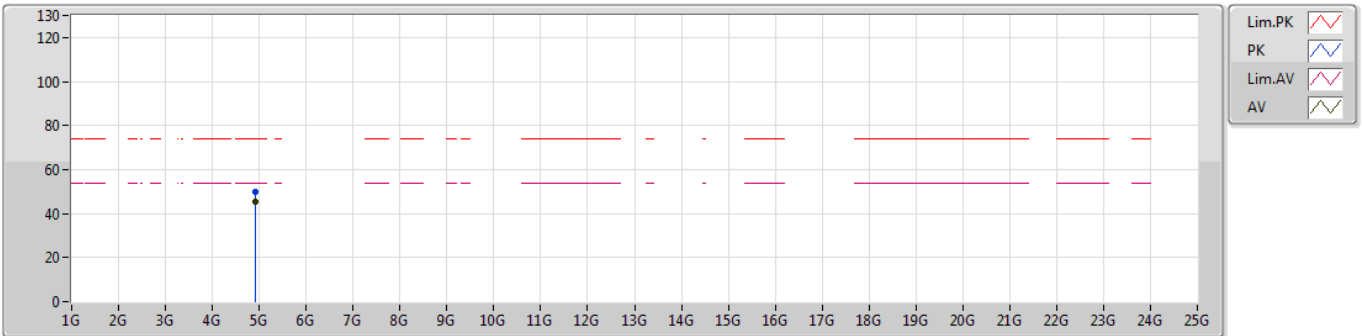
EUT Y\_4TX  
Setting 19  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.463G	112.99	Inf	-Inf	30.93	3	Horizontal	3	2.29	-
AV	2.4628G	109.00	Inf	-Inf	30.93	3	Horizontal	3	2.29	-
PK	2.4914G	63.42	74.00	-10.58	30.98	3	Horizontal	3	2.29	-
AV	2.4902G	49.22	54.00	-4.78	30.98	3	Horizontal	3	2.29	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2462MHz\_TX



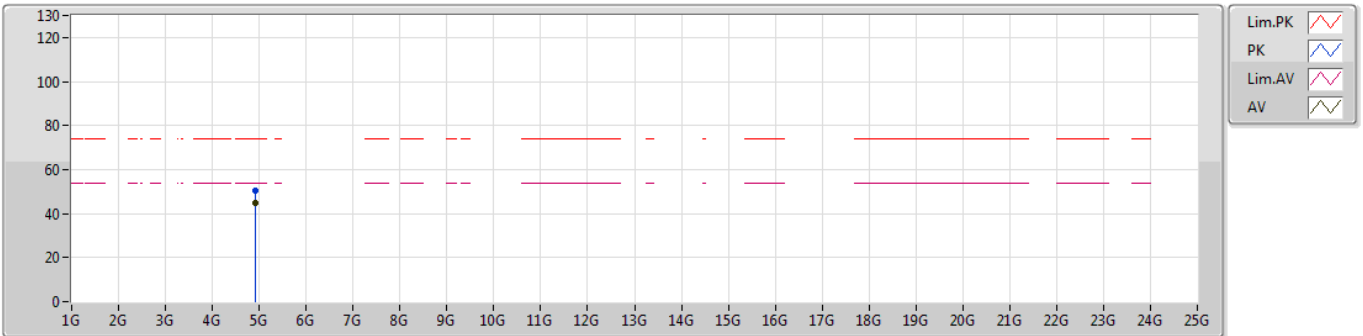
EUT Z\_4TX  
Setting 19  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92392G	49.99	74.00	-24.01	4.04	3	Vertical	342	1.41	-
AV	4.924G	45.14	54.00	-8.86	4.04	3	Vertical	342	1.41	-

## 802.11b\_Nss1,(1Mbps)\_4TX

08/04/2019

### 2462MHz\_TX



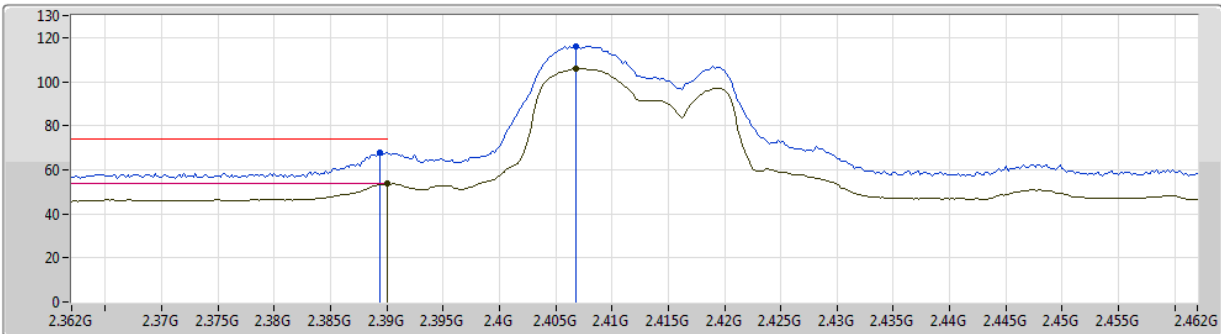
EUT Z\_4TX  
Setting 19  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92384G	50.71	74.00	-23.29	4.04	3	Horizontal	182	1.09	-
AV	4.924G	44.67	54.00	-9.33	4.04	3	Horizontal	182	1.09	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2412MHz\_TX



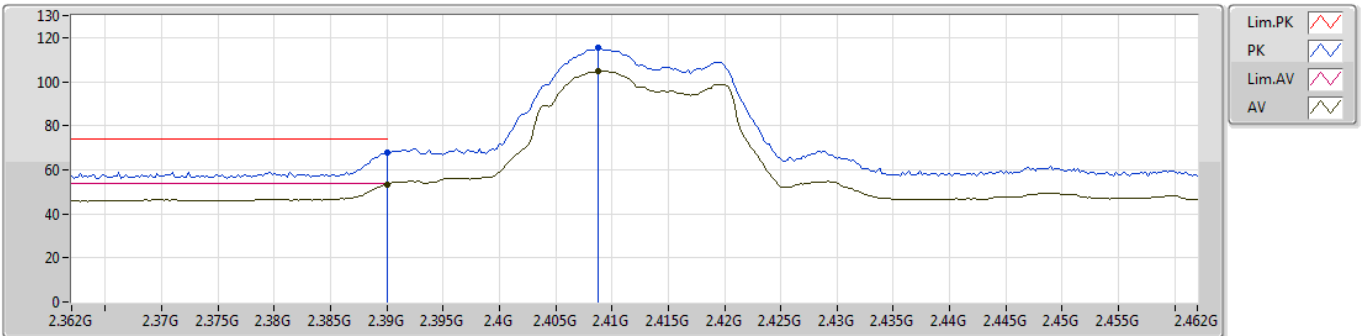
EUT Y\_4TX  
Setting 14  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3894G	67.81	74.00	-6.19	30.80	3	Vertical	359	1.49	-
AV	2.39G	53.76	54.00	-0.24	30.80	3	Vertical	359	1.49	-
PK	2.4068G	116.24	Inf	-Inf	30.85	3	Vertical	359	1.49	-
AV	2.4068G	105.97	Inf	-Inf	30.85	3	Vertical	359	1.49	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2412MHz\_TX



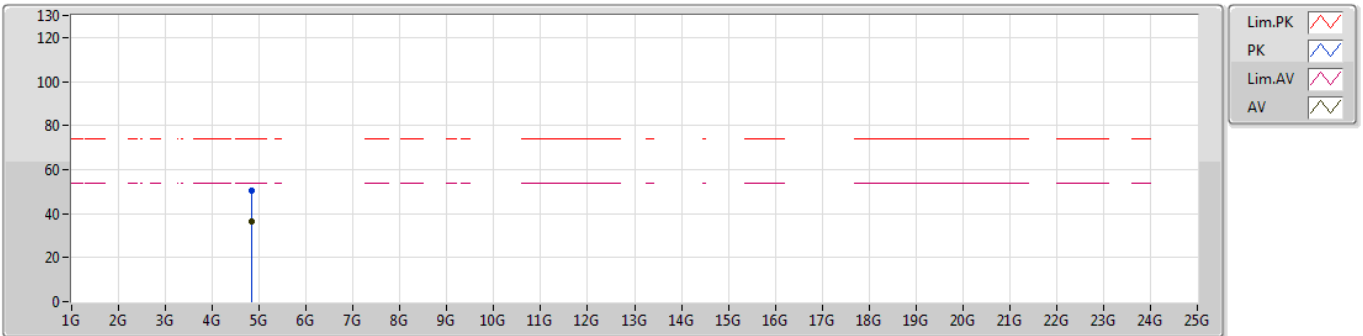
EUT Y\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.39G	67.83	74.00	-6.17	30.80	3	Horizontal	7	1.95	-
AV	2.39G	53.25	54.00	-0.75	30.80	3	Horizontal	7	1.95	-
PK	2.4088G	115.52	Inf	-Inf	30.85	3	Horizontal	7	1.95	-
AV	2.4088G	104.92	Inf	-Inf	30.85	3	Horizontal	7	1.95	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2412MHz\_TX



EUT Z\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

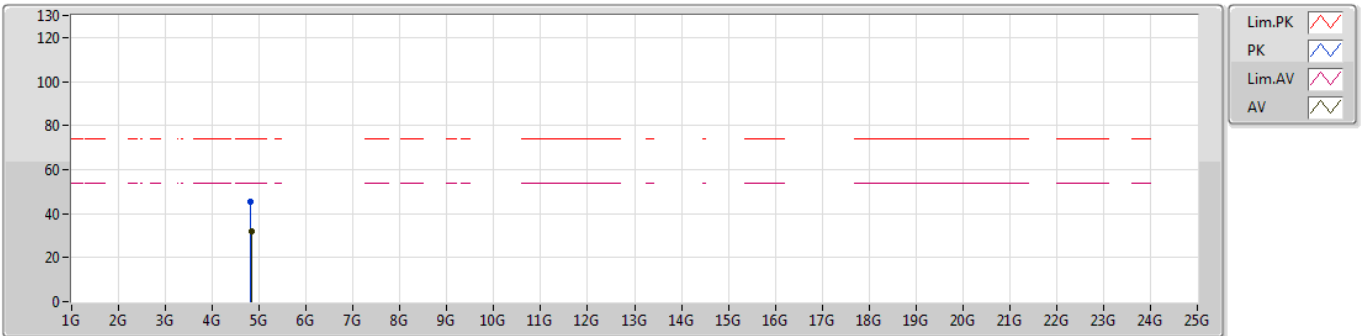
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82688G	50.38	74.00	-23.62	3.60	3	Vertical	291	1.61	-
AV	4.8272G	36.60	54.00	-17.40	3.60	3	Vertical	291	1.61	-



# 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

## 2412MHz\_TX



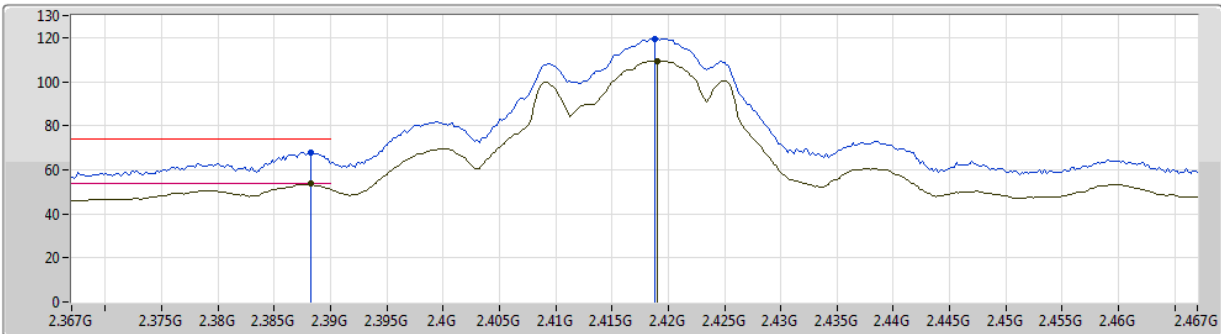
EUT Z\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.81176G	45.40	74.00	-28.60	3.53	3	Horizontal	115	1.70	-
AV	4.82608G	32.05	54.00	-21.95	3.60	3	Horizontal	115	1.70	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2417MHz\_TX



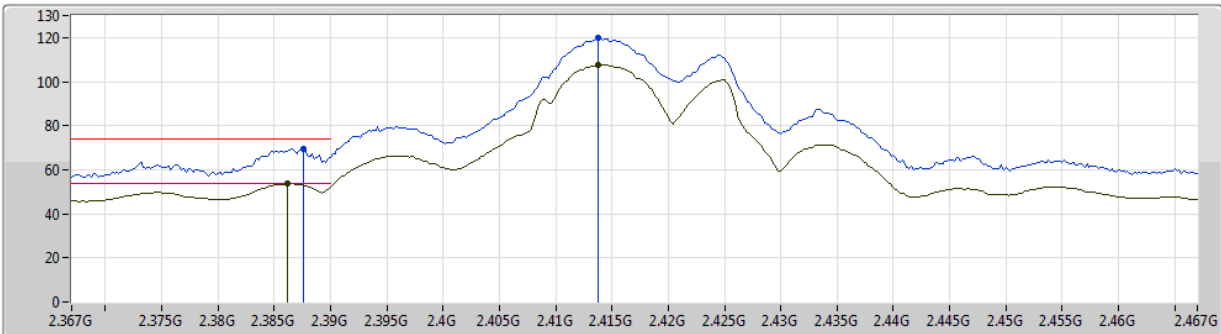
EUT Y\_4TX  
Setting 17  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3882G	67.86	74.00	-6.14	30.79	3	Vertical	350	1.68	-
AV	2.3882G	53.82	54.00	-0.18	30.79	3	Vertical	350	1.68	-
PK	2.4188G	119.54	Inf	-Inf	30.87	3	Vertical	350	1.68	-
AV	2.419G	109.53	Inf	-Inf	30.87	3	Vertical	350	1.68	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2417MHz\_TX



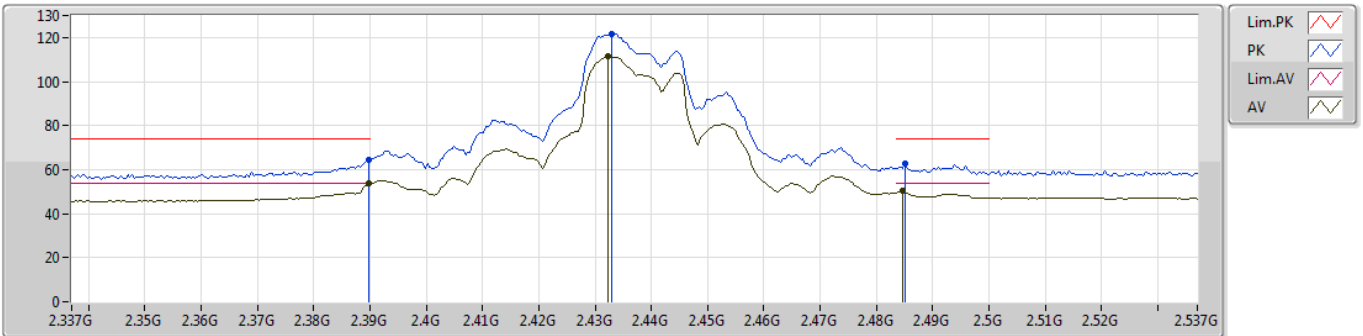
EUT Y\_4TX  
Setting 17  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3876G	69.43	74.00	-4.57	30.79	3	Horizontal	9	1.97	-
AV	2.3862G	53.80	54.00	-0.20	30.79	3	Horizontal	9	1.97	-
PK	2.4138G	119.87	Inf	-Inf	30.86	3	Horizontal	9	1.97	-
AV	2.4138G	107.66	Inf	-Inf	30.86	3	Horizontal	9	1.97	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2437MHz\_TX



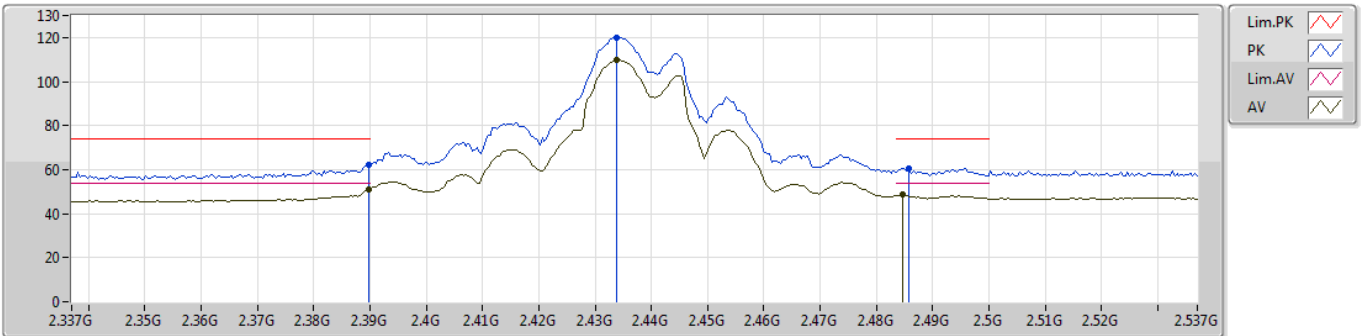
EUT\_Y\_4TX  
Setting 19.5  
01-E-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	64.69	74.00	-9.31	30.80	3	Vertical	358	1.49	-
AV	2.3898G	53.88	54.00	-0.12	30.80	3	Vertical	358	1.49	-
PK	2.433G	121.64	Inf	-Inf	30.89	3	Vertical	358	1.49	-
AV	2.4322G	111.23	Inf	-Inf	30.89	3	Vertical	358	1.49	-
PK	2.485G	62.71	74.00	-11.29	30.97	3	Vertical	358	1.49	-
AV	2.4846G	50.20	54.00	-3.80	30.96	3	Vertical	358	1.49	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2437MHz\_TX



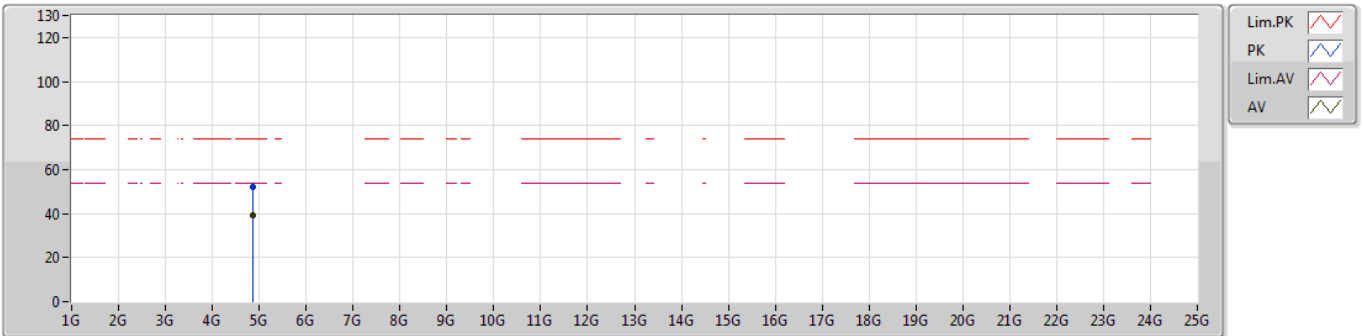
EUT Y\_4TX  
Setting 19.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	62.40	74.00	-11.60	30.80	3	Horizontal	8	1.78	-
AV	2.3898G	50.88	54.00	-3.12	30.80	3	Horizontal	8	1.78	-
PK	2.4338G	120.13	Inf	-Inf	30.89	3	Horizontal	8	1.78	-
AV	2.4338G	109.78	Inf	-Inf	30.89	3	Horizontal	8	1.78	-
PK	2.4858G	60.69	74.00	-13.31	30.97	3	Horizontal	8	1.78	-
AV	2.4846G	48.57	54.00	-5.43	30.96	3	Horizontal	8	1.78	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2437MHz\_TX



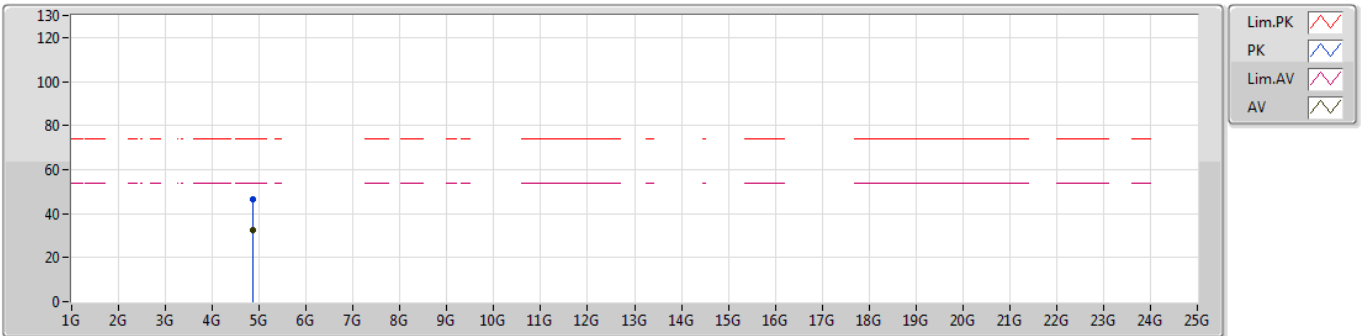
EUT Z\_4TX  
Setting 19.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.86856G	51.89	74.00	-22.11	3.79	3	Vertical	246	1.73	-
AV	4.8676G	39.21	54.00	-14.79	3.78	3	Vertical	246	1.73	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2437MHz\_TX



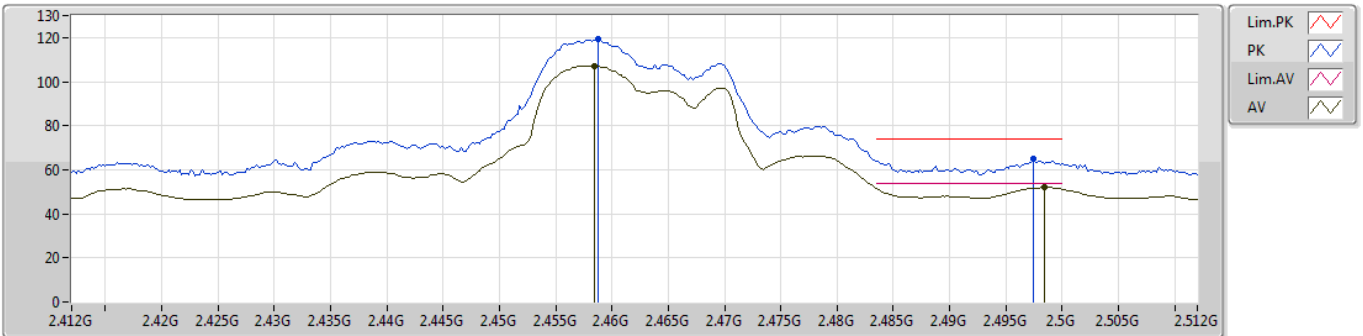
EUT Z\_4TX  
Setting 19.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.86768G	46.35	74.00	-27.65	3.78	3	Horizontal	203	2.16	-
AV	4.86952G	32.69	54.00	-21.31	3.79	3	Horizontal	203	2.16	-

# 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

## 2462MHz\_TX



EUT Y\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

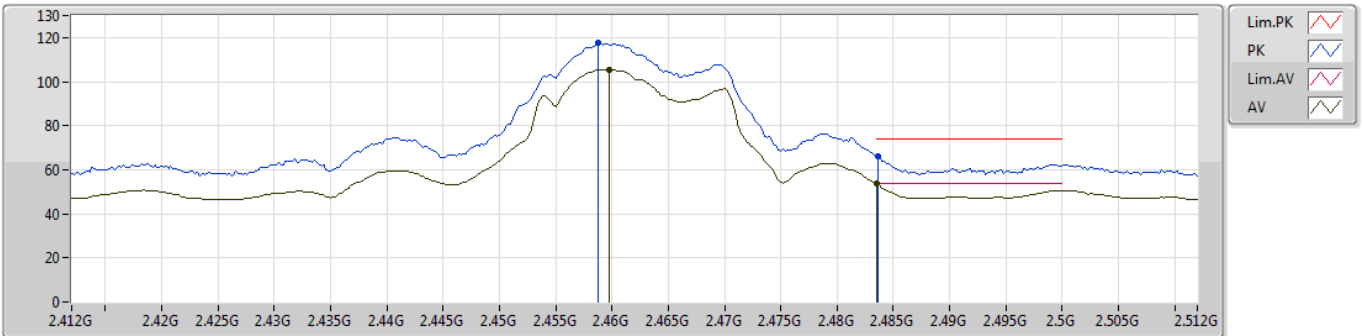
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4588G	119.22	Inf	-Inf	30.93	3	Vertical	358	1.50	-
AV	2.4584G	107.25	Inf	-Inf	30.93	3	Vertical	358	1.50	-
PK	2.4974G	64.95	74.00	-9.05	30.99	3	Vertical	358	1.50	-
AV	2.4984G	51.98	54.00	-2.02	30.99	3	Vertical	358	1.50	-



## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2462MHz\_TX



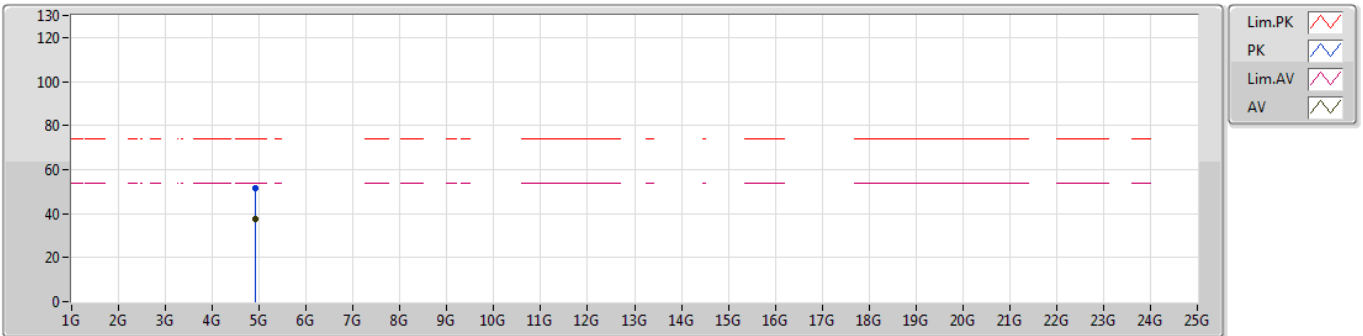
EUT Y\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4588G	117.55	Inf	-Inf	30.93	3	Horizontal	7	1.95	-
AV	2.4598G	105.59	Inf	-Inf	30.93	3	Horizontal	7	1.95	-
PK	2.4836G	66.38	74.00	-7.62	30.96	3	Horizontal	7	1.95	-
AV	2.4835G	53.76	54.00	-0.24	30.96	3	Horizontal	7	1.95	-

# 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

## 2462MHz\_TX



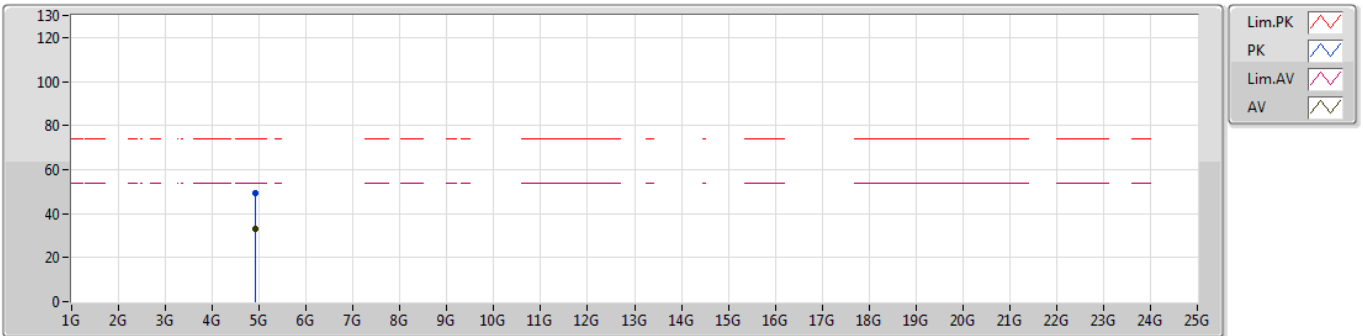
EUT Z\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.91848G	51.83	74.00	-22.17	4.02	3	Vertical	244	2.21	-
AV	4.91752G	37.65	54.00	-16.35	4.01	3	Vertical	244	2.21	-

## 802.11g\_Nss1,(6Mbps)\_4TX

09/04/2019

### 2462MHz\_TX



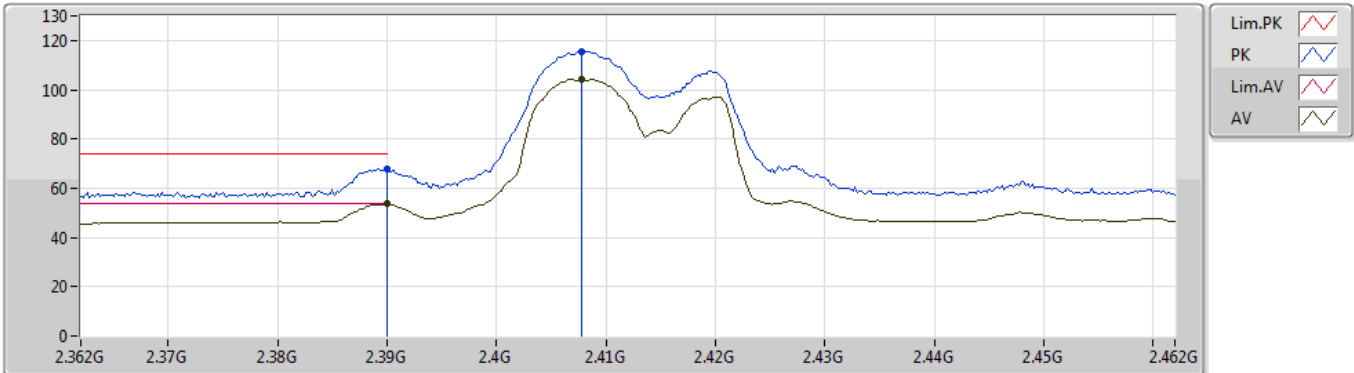
EUT Z\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92104G	49.20	74.00	-24.80	4.03	3	Horizontal	330	1.39	-
AV	4.91736G	32.80	54.00	-21.20	4.01	3	Horizontal	330	1.39	-

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

### 2412MHz\_TX



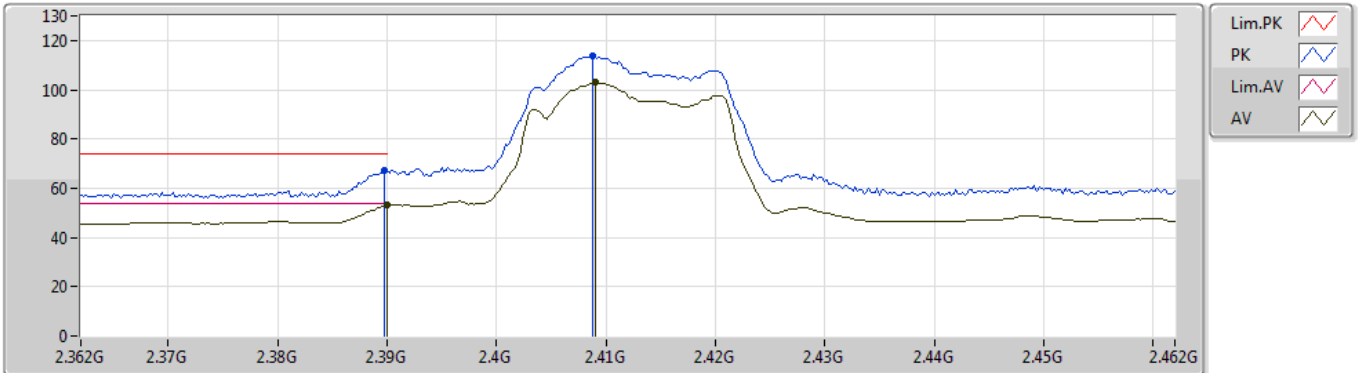
EUT Y\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.39G	67.99	74.00	-6.01	30.80	3	Vertical	0	1.69	-
AV	2.39G	53.88	54.00	-0.12	30.80	3	Vertical	0	1.69	-
PK	2.4078G	115.65	Inf	-Inf	30.85	3	Vertical	0	1.69	-
AV	2.4078G	104.49	Inf	-Inf	30.85	3	Vertical	0	1.69	-

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2412MHz\_TX



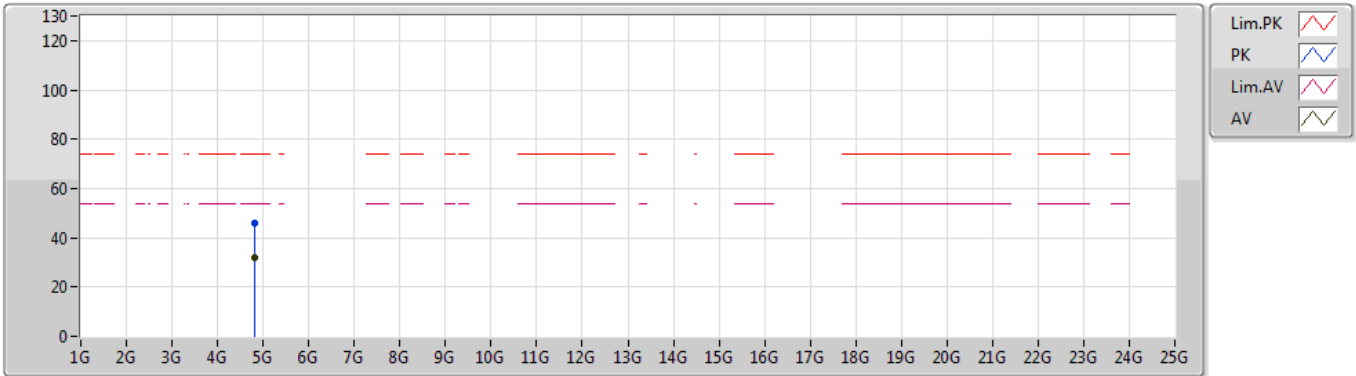
EUT Y\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3898G	67.19	74.00	-6.81	30.80	3	Horizontal	7	1.96	-				
AV	2.39G	53.04	54.00	-0.96	30.80	3	Horizontal	7	1.96	-				
PK	2.4088G	114.01	Inf	-Inf	30.85	3	Horizontal	7	1.96	-				
AV	2.409G	102.83	Inf	-Inf	30.85	3	Horizontal	7	1.96	-				

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

### 2412MHz\_TX



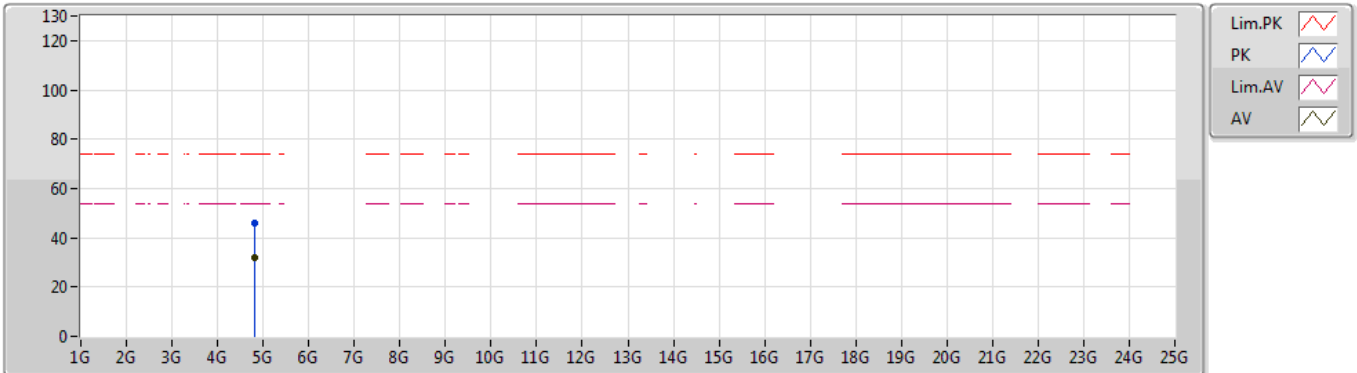
EUT\_Z\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.816G	45.67	74.00	-28.33	3.55	3	Vertical	187	2.38	-				
AV	4.824G	31.94	54.00	-22.06	3.59	3	Vertical	187	2.38	-				

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2412MHz\_TX



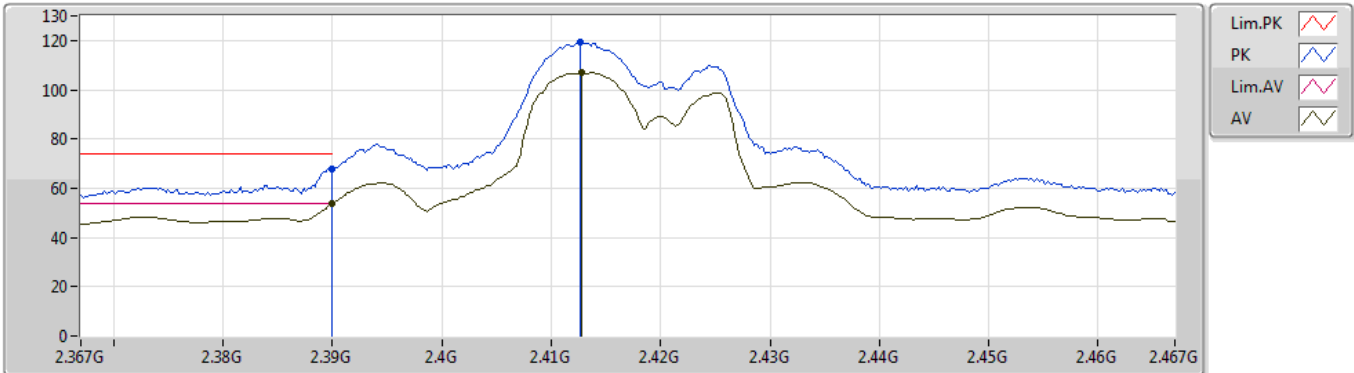
EUT Z\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.82456G	45.78	74.00	-28.22	3.59	3	Horizontal	204	1.75	-				
AV	4.82448G	31.97	54.00	-22.03	3.59	3	Horizontal	204	1.75	-				

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2417MHz\_TX



EUT Y\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

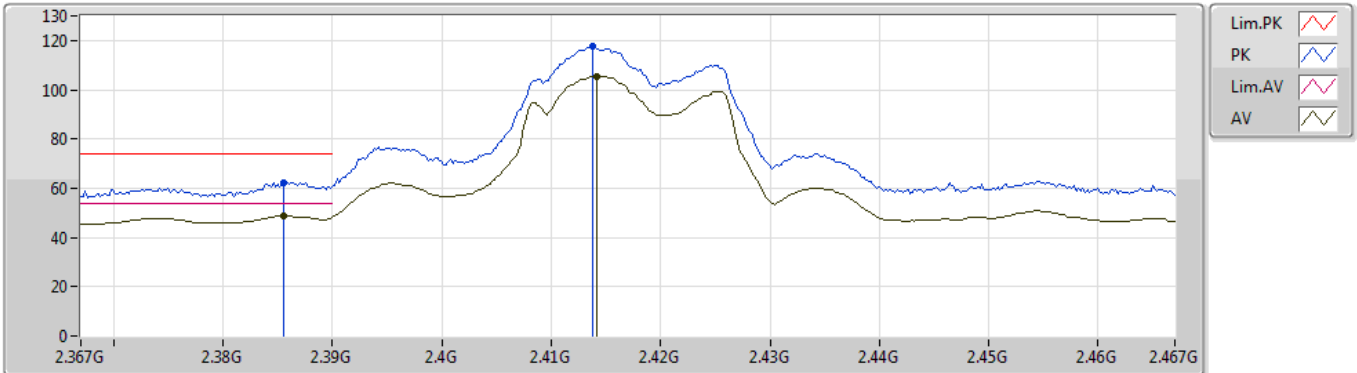
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.39G	67.93	74.00	-6.07	30.80	3	Vertical	0	1.66	-			
AV	2.39G	53.77	54.00	-0.23	30.80	3	Vertical	0	1.66	-			
PK	2.4126G	119.28	Inf	-Inf	30.86	3	Vertical	0	1.66	-			
AV	2.4128G	107.29	Inf	-Inf	30.86	3	Vertical	0	1.66	-			



# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2417MHz\_TX



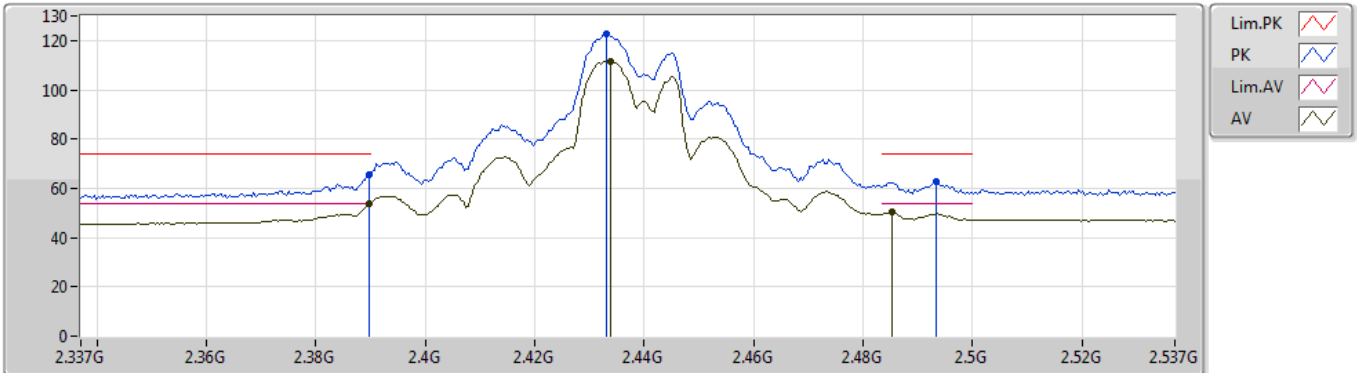
EUT Y\_4TX  
Setting 16.5  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3856G	62.43	74.00	-11.57	30.79	3	Horizontal	8	1.97	-				
AV	2.3856G	48.96	54.00	-5.04	30.79	3	Horizontal	8	1.97	-				
PK	2.4138G	117.53	Inf	-Inf	30.86	3	Horizontal	8	1.97	-				
AV	2.4142G	105.53	Inf	-Inf	30.86	3	Horizontal	8	1.97	-				

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



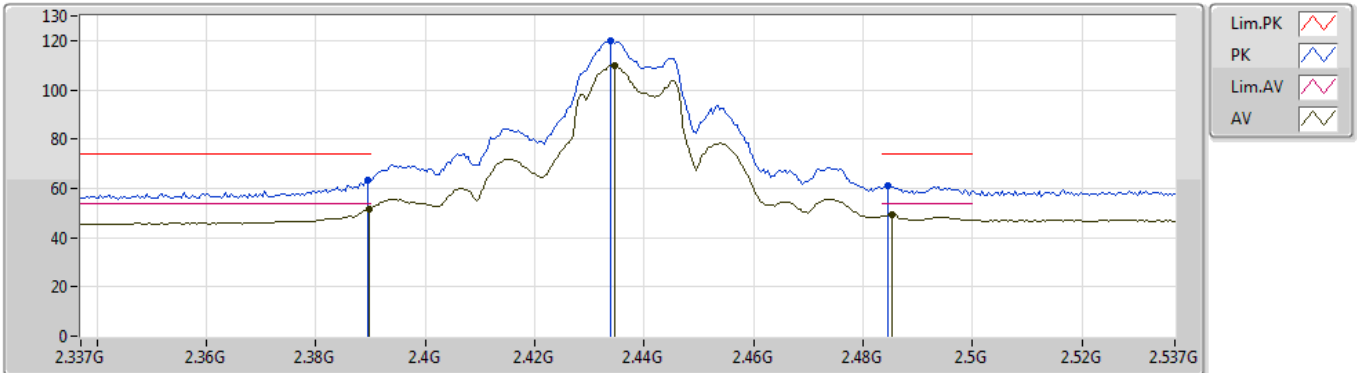
EUT Y\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3898G	65.58	74.00	-8.42	30.80	3	Vertical	0	1.66	-				
AV	2.3898G	53.83	54.00	-0.17	30.80	3	Vertical	0	1.66	-				
PK	2.433G	122.47	Inf	-Inf	30.89	3	Vertical	0	1.66	-				
AV	2.4338G	111.77	Inf	-Inf	30.89	3	Vertical	0	1.66	-				
PK	2.4934G	62.60	74.00	-11.40	30.98	3	Vertical	0	1.66	-				
AV	2.4854G	50.25	54.00	-3.75	30.97	3	Vertical	0	1.66	-				

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



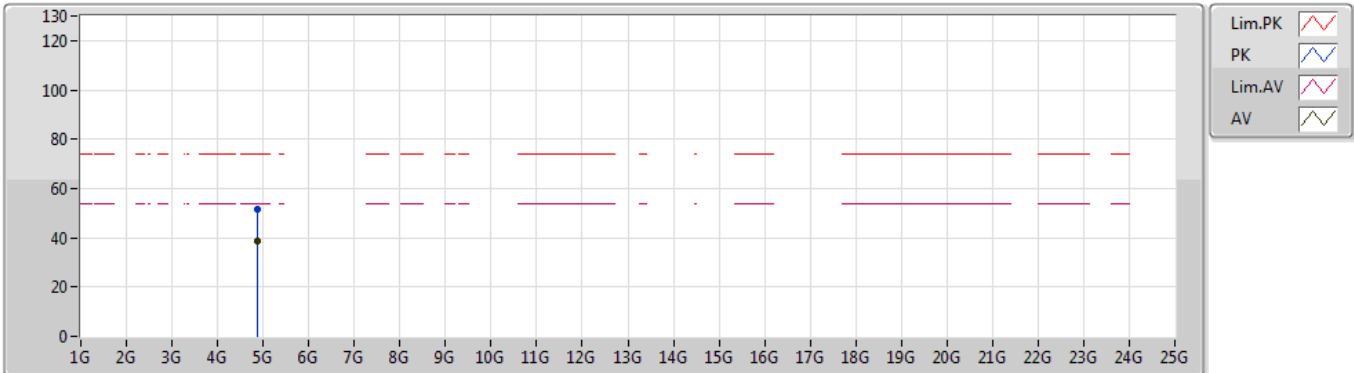
EUT Y\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3894G	63.17	74.00	-10.83	30.80	3	Horizontal	7	1.79	-
AV	2.3898G	51.70	54.00	-2.30	30.80	3	Horizontal	7	1.79	-
PK	2.4338G	119.83	Inf	-Inf	30.89	3	Horizontal	7	1.79	-
AV	2.4346G	109.73	Inf	-Inf	30.89	3	Horizontal	7	1.79	-
PK	2.4846G	60.83	74.00	-13.17	30.96	3	Horizontal	7	1.79	-
AV	2.4854G	49.37	54.00	-4.63	30.97	3	Horizontal	7	1.79	-

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



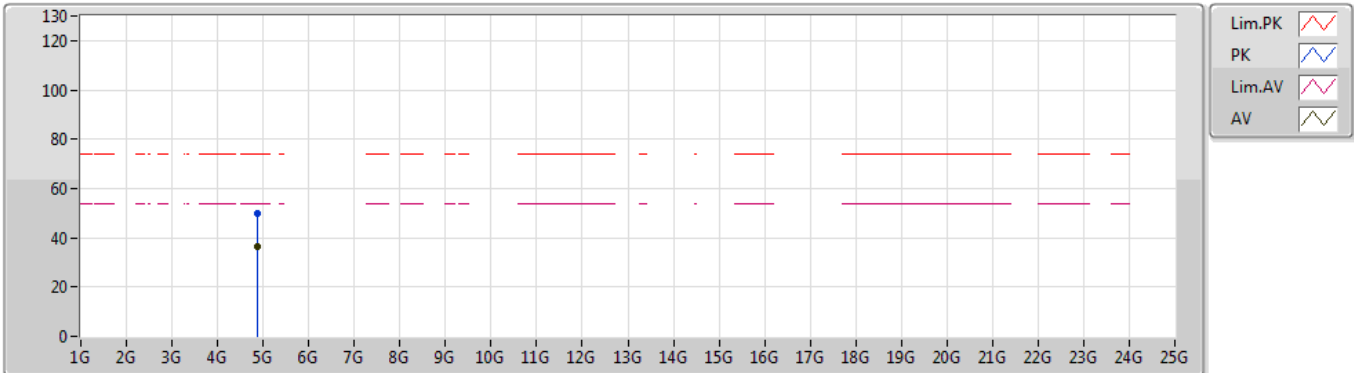
EUT\_Z\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.868G	51.46	74.00	-22.54	3.78	3	Vertical	247	1.76	-				
AV	4.8684G	38.72	54.00	-15.28	3.79	3	Vertical	247	1.76	-				

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



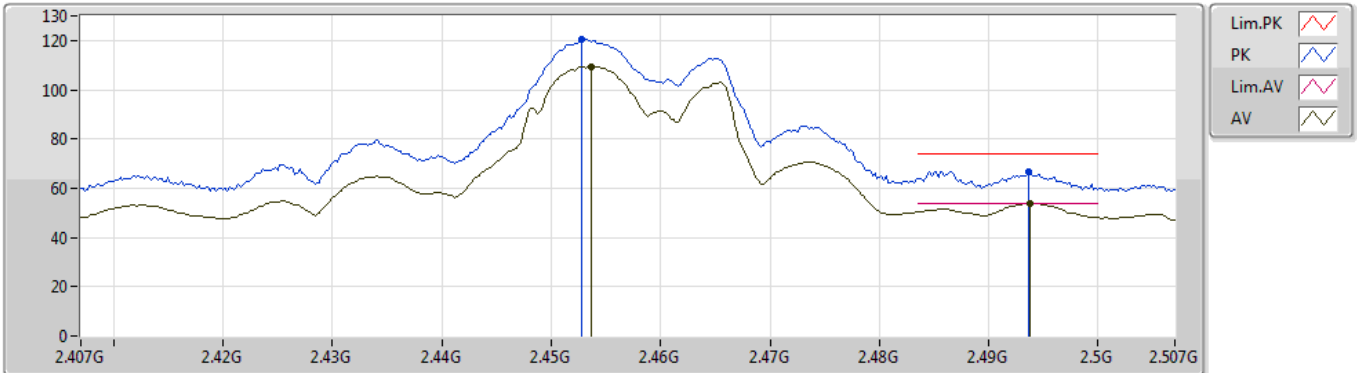
EUT\_Z\_4TX  
Setting 20  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.86736G	49.72	74.00	-24.28	3.78	3	Horizontal	244	2.16	-				
AV	4.86664G	36.35	54.00	-17.65	3.78	3	Horizontal	244	2.16	-				

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2457MHz\_TX



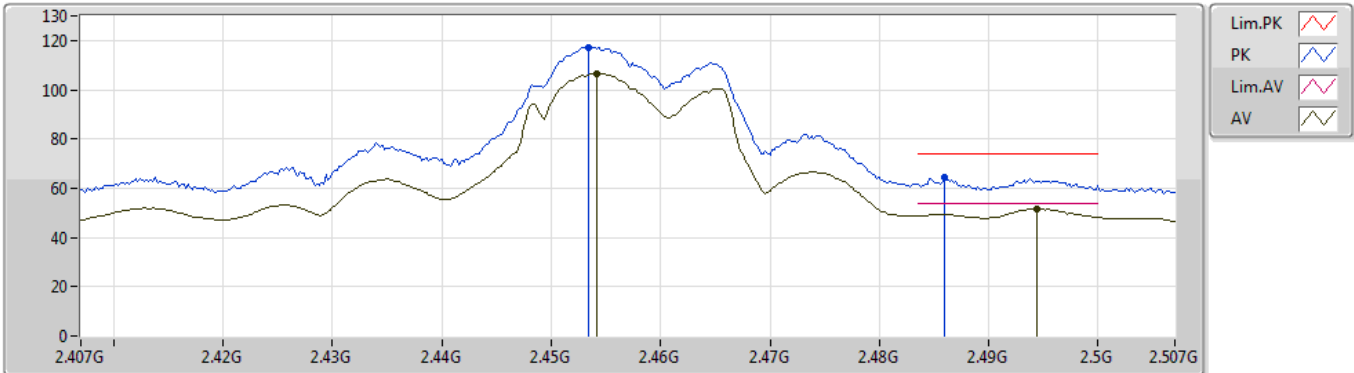
EUT Y\_4TX  
Setting 18  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.4528G	120.47	Inf	-Inf	30.92	3	Vertical	359	1.80	-				
AV	2.4536G	109.41	Inf	-Inf	30.92	3	Vertical	359	1.80	-				
PK	2.4936G	66.96	74.00	-7.04	30.98	3	Vertical	359	1.80	-				
AV	2.4938G	53.84	54.00	-0.16	30.98	3	Vertical	359	1.80	-				

# VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2457MHz\_TX



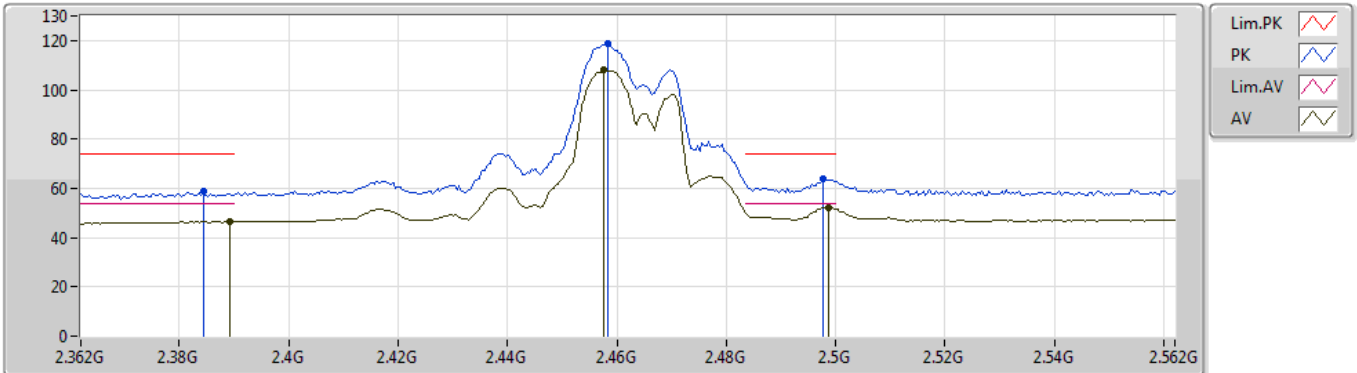
EUT Y\_4TX  
Setting 18  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.4534G	117.31	Inf	-Inf	30.92	3	Horizontal	9	1.80	-				
AV	2.4542G	106.64	Inf	-Inf	30.92	3	Horizontal	9	1.80	-				
PK	2.486G	64.17	74.00	-9.83	30.97	3	Horizontal	9	1.80	-				
AV	2.4944G	51.52	54.00	-2.48	30.98	3	Horizontal	9	1.80	-				

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

### 2462MHz\_TX



EUT Y\_4TX  
Setting 16  
01-N-2  
Dipole Ant  
FSP(100080)

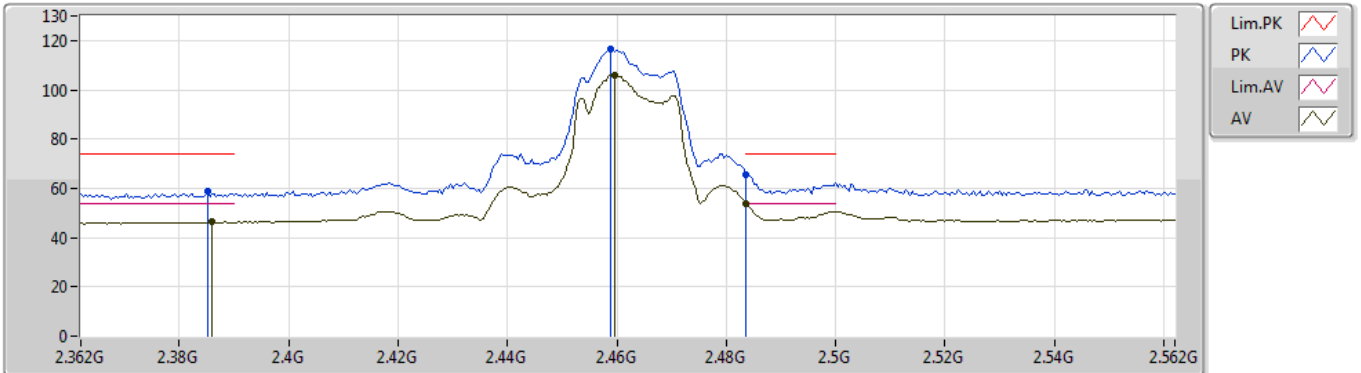
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3844G	59.09	74.00	-14.91	30.78	3	Vertical	359	1.50	-
AV	2.3892G	46.43	54.00	-7.57	30.80	3	Vertical	359	1.50	-
PK	2.4584G	118.55	Inf	-Inf	30.93	3	Vertical	359	1.50	-
AV	2.4576G	107.88	Inf	-Inf	30.93	3	Vertical	359	1.50	-
PK	2.4976G	64.06	74.00	-9.94	30.99	3	Vertical	359	1.50	-
AV	2.4988G	52.21	54.00	-1.79	30.99	3	Vertical	359	1.50	-



## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

### 2462MHz\_TX



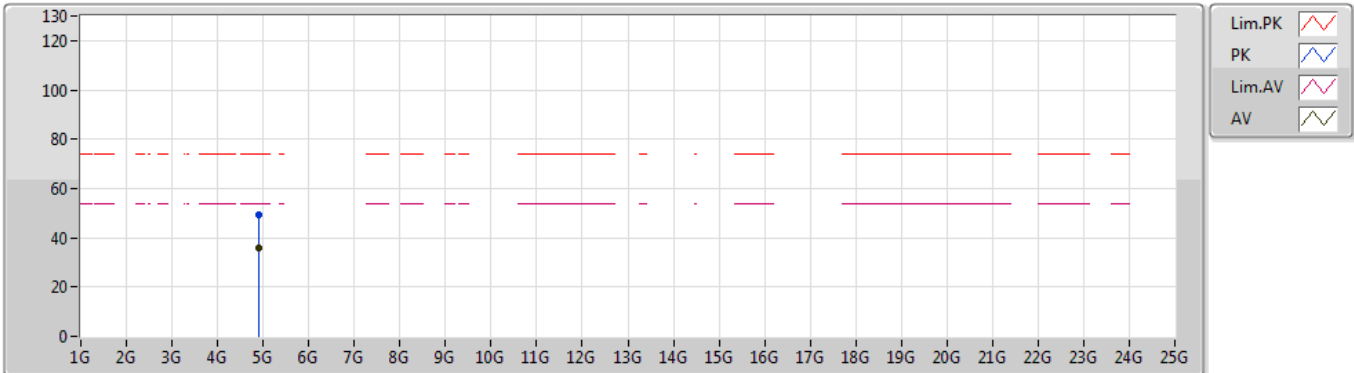
EUT Y\_4TX  
Setting 16  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3852G	58.73	74.00	-15.27	30.79	3	Horizontal	6	1.93	-
AV	2.386G	46.27	54.00	-7.73	30.79	3	Horizontal	6	1.93	-
PK	2.4588G	116.29	Inf	-Inf	30.93	3	Horizontal	6	1.93	-
AV	2.4596G	105.94	Inf	-Inf	30.93	3	Horizontal	6	1.93	-
PK	2.4835G	65.50	74.00	-8.50	30.96	3	Horizontal	6	1.93	-
AV	2.4835G	53.96	54.00	-0.04	30.96	3	Horizontal	6	1.93	-

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2462MHz\_TX



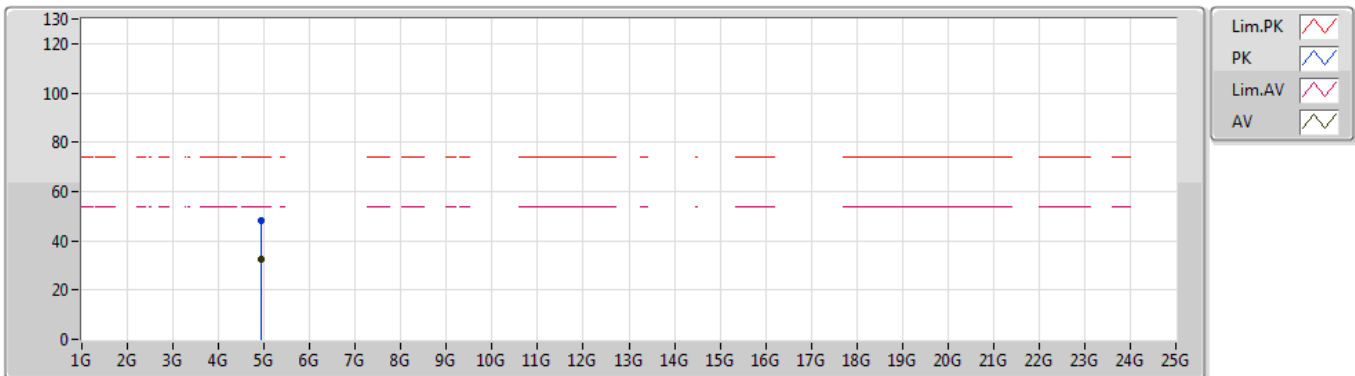
EUT Z\_4TX  
Setting 16  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.91808G	49.56	74.00	-24.44	4.01	3	Vertical	245	1.89	-				
AV	4.9168G	35.73	54.00	-18.27	4.01	3	Vertical	245	1.89	-				

## VHT20\_Nss1,(MCS0)\_4TX

19/04/2019

## 2462MHz\_TX



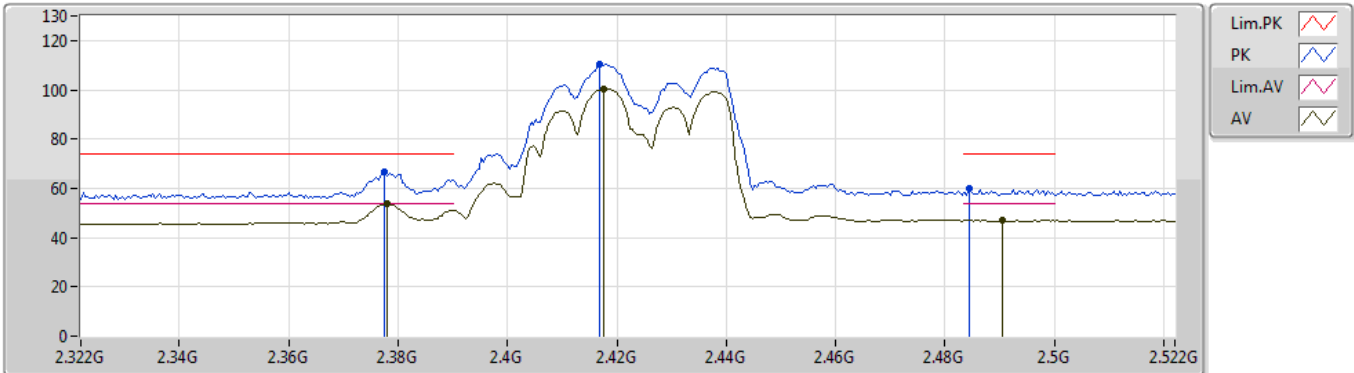
EUT\_Z\_4TX  
Setting 16  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.92864G	47.96	74.00	-26.04	4.06	3	Horizontal	198	2.45	-				
AV	4.928G	32.61	54.00	-21.39	4.05	3	Horizontal	198	2.45	-				

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

### 2422MHz\_TX



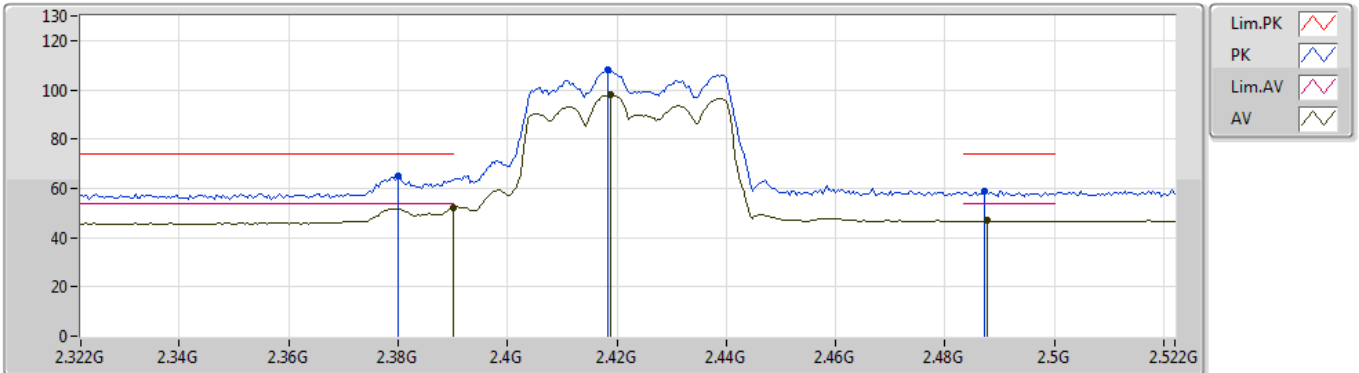
EUT Y\_4TX  
Setting 11  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3776G	66.50	74.00	-7.50	30.75	3	Vertical	360	1.69	-
AV	2.378G	53.88	54.00	-0.12	30.75	3	Vertical	360	1.69	-
PK	2.4168G	110.43	Inf	-Inf	30.87	3	Vertical	360	1.69	-
AV	2.4176G	100.53	Inf	-Inf	30.87	3	Vertical	360	1.69	-
PK	2.4844G	59.97	74.00	-14.03	30.96	3	Vertical	360	1.69	-
AV	2.4904G	47.00	54.00	-7.00	30.98	3	Vertical	360	1.69	-

# VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2422MHz\_TX



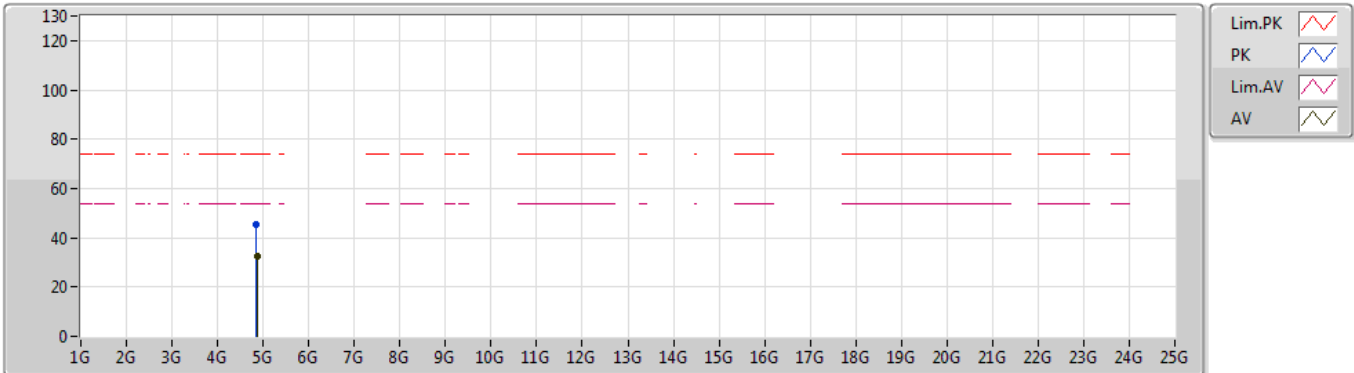
EUT Y\_4TX  
Setting 11  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.38G	65.02	74.00	-8.98	30.76	3	Horizontal	6	1.83	-
AV	2.39G	52.03	54.00	-1.97	30.80	3	Horizontal	6	1.83	-
PK	2.4184G	108.18	Inf	-Inf	30.87	3	Horizontal	6	1.83	-
AV	2.4188G	97.94	Inf	-Inf	30.87	3	Horizontal	6	1.83	-
PK	2.4872G	58.87	74.00	-15.13	30.97	3	Horizontal	6	1.83	-
AV	2.4876G	46.84	54.00	-7.16	30.97	3	Horizontal	6	1.83	-

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2422MHz\_TX



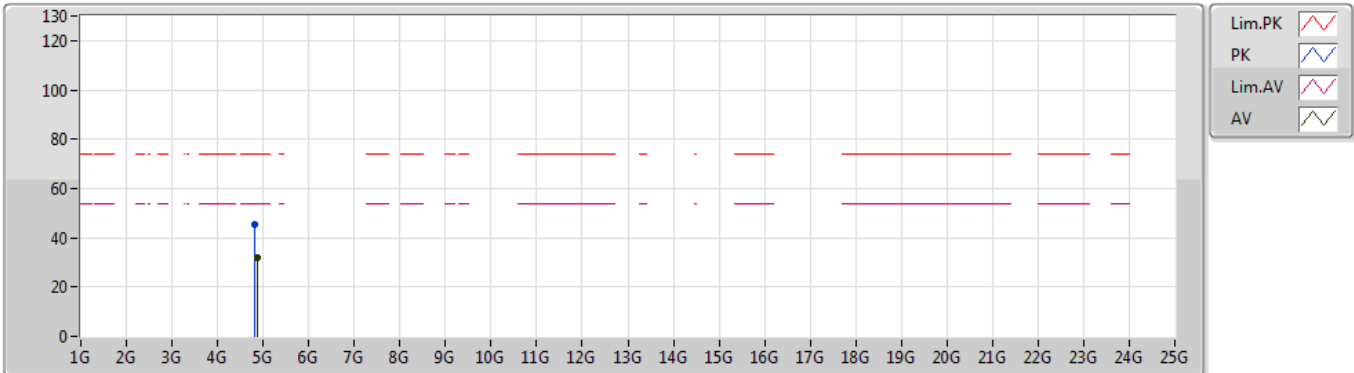
EUT\_Z\_4TX  
Setting 11  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.8336G	45.15	74.00	-28.85	3.63	3	Vertical	265	2.02	-				
AV	4.8624G	32.23	54.00	-21.77	3.76	3	Vertical	265	2.02	-				

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2422MHz\_TX



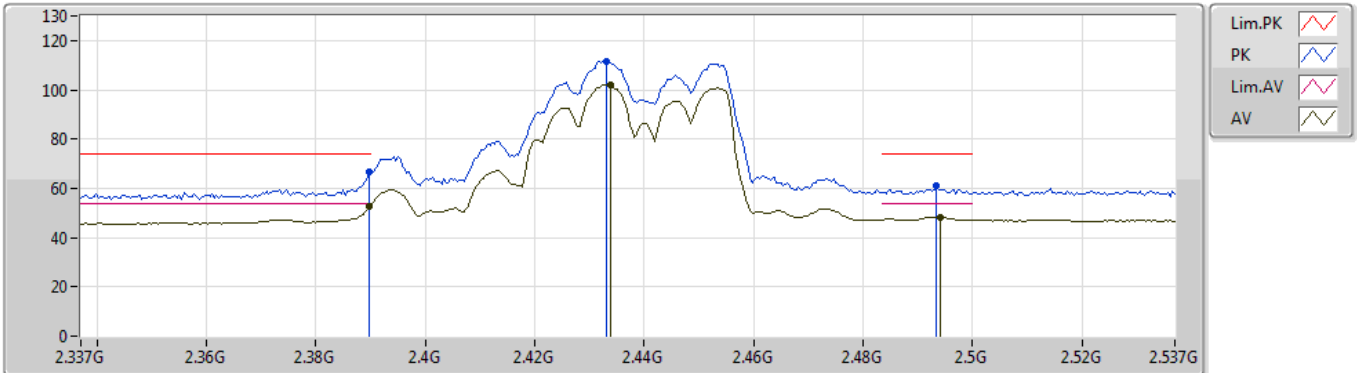
EUT\_Z\_4TX  
Setting 11  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.82656G	45.17	74.00	-28.83	3.60	3	Horizontal	203	1.16	-				
AV	4.86048G	32.14	54.00	-21.86	3.75	3	Horizontal	203	1.16	-				

# VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



EUT Y\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

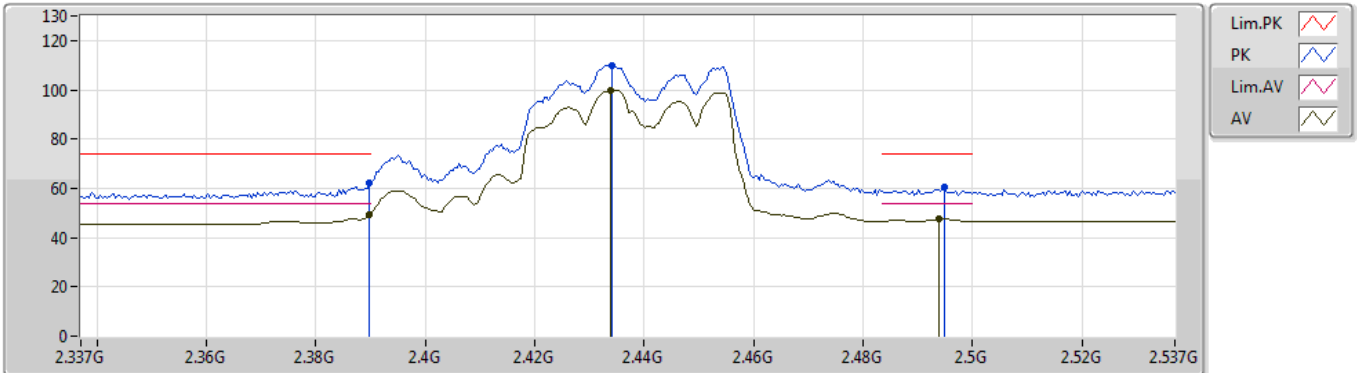
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3898G	66.96	74.00	-7.04	30.80	3	Vertical	0	1.60	-				
AV	2.3898G	52.80	54.00	-1.20	30.80	3	Vertical	0	1.60	-				
PK	2.433G	111.77	Inf	-Inf	30.89	3	Vertical	0	1.60	-				
AV	2.4338G	101.96	Inf	-Inf	30.89	3	Vertical	0	1.60	-				
PK	2.4934G	61.16	74.00	-12.84	30.98	3	Vertical	0	1.60	-				
AV	2.4942G	48.33	54.00	-5.67	30.98	3	Vertical	0	1.60	-				



# VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



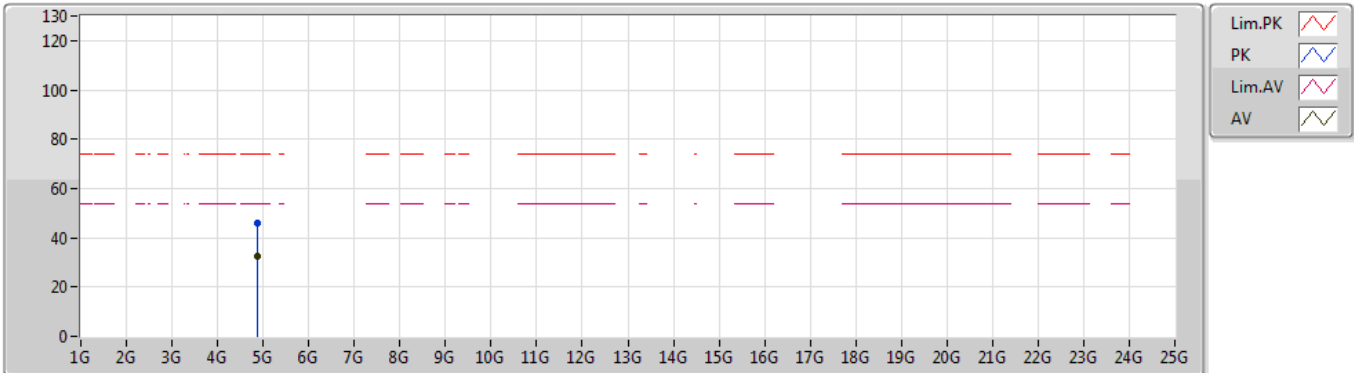
EUT Y\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.3898G	62.32	74.00	-11.68	30.80	3	Horizontal	7	1.76	-			
AV	2.3898G	49.42	54.00	-4.58	30.80	3	Horizontal	7	1.76	-			
PK	2.4342G	110.10	Inf	-Inf	30.89	3	Horizontal	7	1.76	-			
AV	2.4338G	99.93	Inf	-Inf	30.89	3	Horizontal	7	1.76	-			
PK	2.495G	60.65	74.00	-13.35	30.99	3	Horizontal	7	1.76	-			
AV	2.4938G	47.48	54.00	-6.52	30.98	3	Horizontal	7	1.76	-			

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



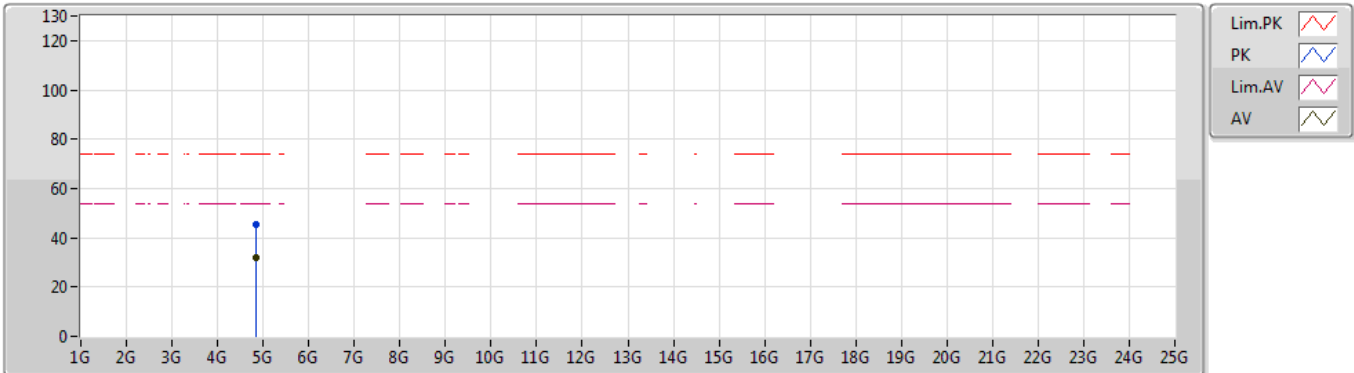
EUT\_Z\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.86976G	45.68	74.00	-28.32	3.79	3	Vertical	149	2.17	-				
AV	4.85944G	32.24	54.00	-21.76	3.75	3	Vertical	149	2.17	-				

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2437MHz\_TX



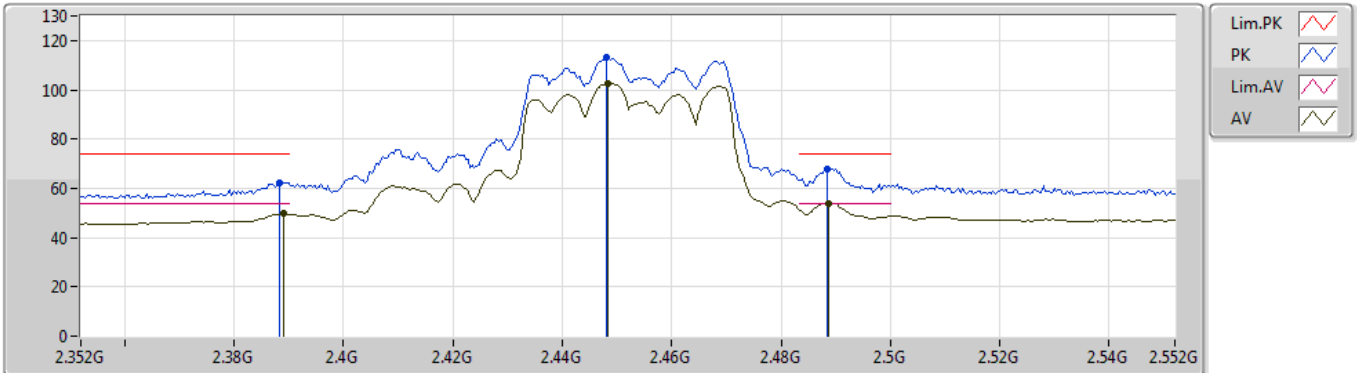
EUT\_Z\_4TX  
Setting 13  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.85816G	45.51	74.00	-28.49	3.74	3	Horizontal	317	1.89	-				
AV	4.8568G	32.16	54.00	-21.84	3.74	3	Horizontal	317	1.89	-				

# VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2452MHz\_TX



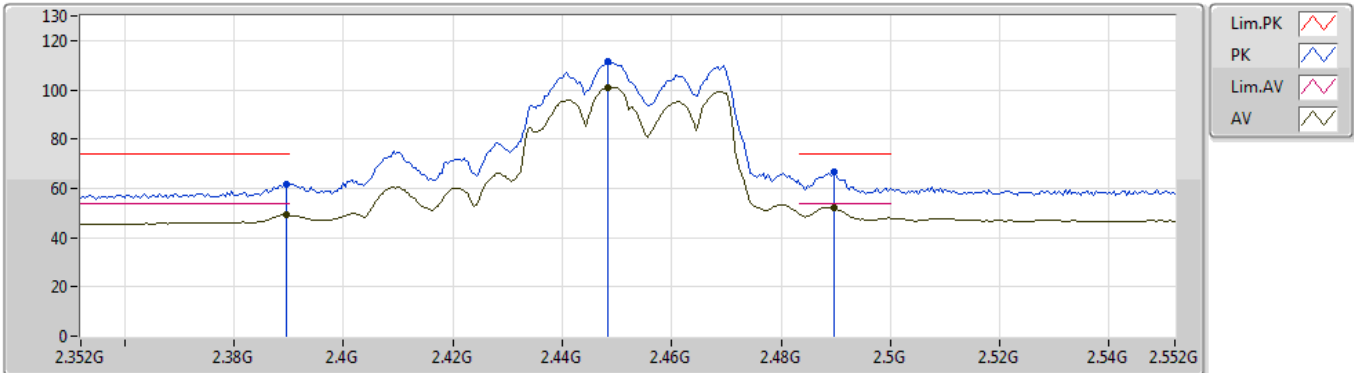
EUT Y\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3884G	62.39	74.00	-11.61	30.80	3	Vertical	357	1.85	-				
AV	2.3892G	49.69	54.00	-4.31	30.80	3	Vertical	357	1.85	-				
PK	2.448G	112.98	Inf	-Inf	30.91	3	Vertical	357	1.85	-				
AV	2.4484G	102.70	Inf	-Inf	30.91	3	Vertical	357	1.85	-				
PK	2.4884G	67.84	74.00	-6.16	30.97	3	Vertical	357	1.85	-				
AV	2.4888G	53.78	54.00	-0.22	30.97	3	Vertical	357	1.85	-				

# VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2452MHz\_TX



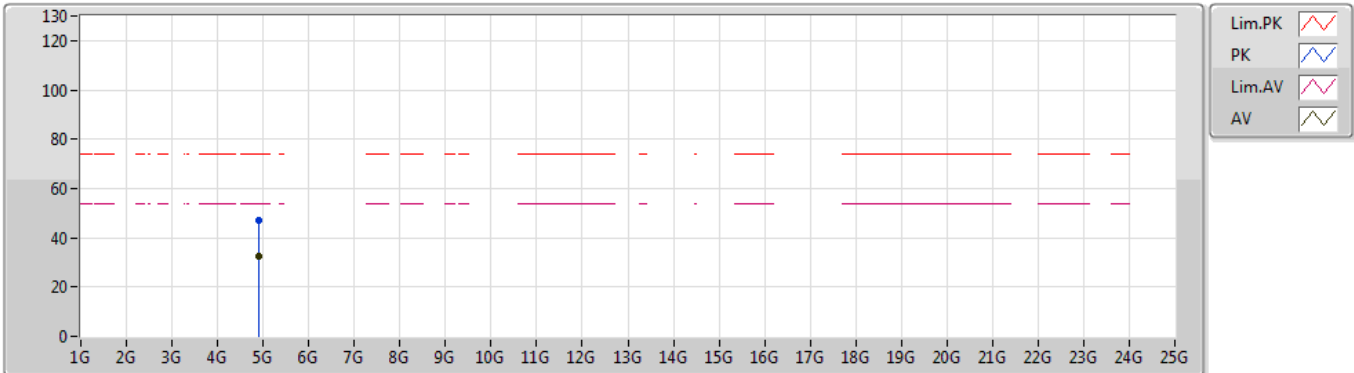
EUT Y\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3896G	61.51	74.00	-12.49	30.80	3	Horizontal	8	1.76	-				
AV	2.3896G	49.24	54.00	-4.76	30.80	3	Horizontal	8	1.76	-				
PK	2.4484G	111.40	Inf	-Inf	30.91	3	Horizontal	8	1.76	-				
AV	2.4484G	101.06	Inf	-Inf	30.91	3	Horizontal	8	1.76	-				
PK	2.4896G	66.53	74.00	-7.47	30.97	3	Horizontal	8	1.76	-				
AV	2.4896G	52.17	54.00	-1.83	30.97	3	Horizontal	8	1.76	-				

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2452MHz\_TX



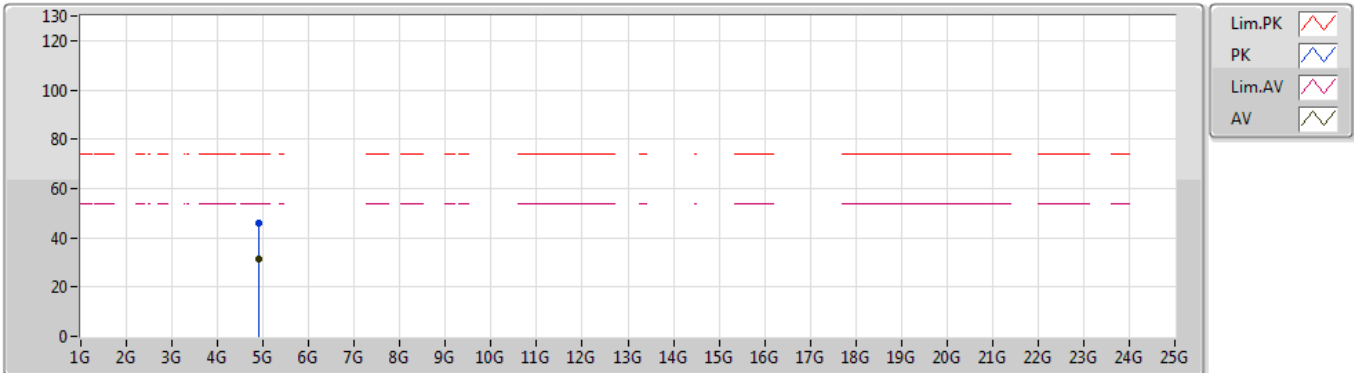
EUT\_Z\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.89096G	46.94	74.00	-27.06	3.89	3	Vertical	243	1.49	-				
AV	4.89776G	32.42	54.00	-21.58	3.92	3	Vertical	243	1.49	-				

## VHT40\_Nss1,(MCS0)\_4TX

19/04/2019

## 2452MHz\_TX



EUT Z\_4TX  
Setting 14  
01-N-2  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.89016G	45.89	74.00	-28.11	3.89	3	Horizontal	157	1.01	-				
AV	4.90192G	31.53	54.00	-22.47	3.94	3	Horizontal	157	1.01	-				



For Radio 3  
Summary

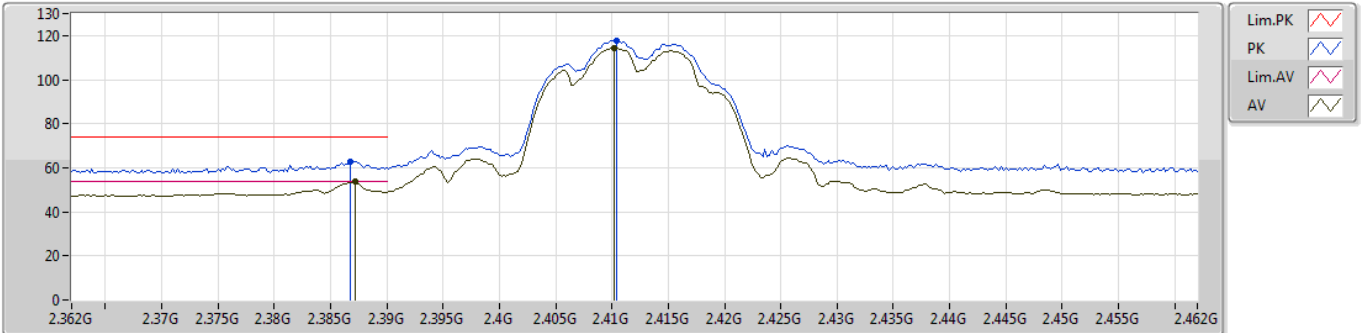
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-
VHT40_Nss1,(MCS0)_2TX	Pass	AV	2.3898G	53.99	54.00	-0.01	30.80	3	Vertical	85	1.34	-



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

06/04/2019

### 2412MHz\_TX



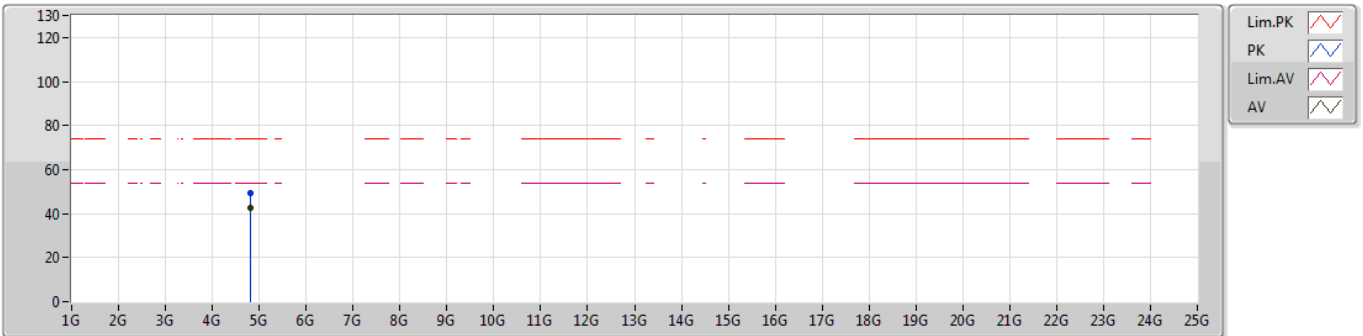
EUT\_Z\_2TX  
Setting 20  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3868G	62.66	74.00	-11.34	30.79	3	Vertical	265	1.50	-
AV	2.3872G	53.54	54.00	-0.46	30.79	3	Vertical	265	1.50	-
PK	2.4104G	117.54	Inf	-Inf	30.86	3	Vertical	265	1.50	-
AV	2.4102G	114.46	Inf	-Inf	30.86	3	Vertical	265	1.50	-

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

08/04/2019

### 2412MHz\_TX



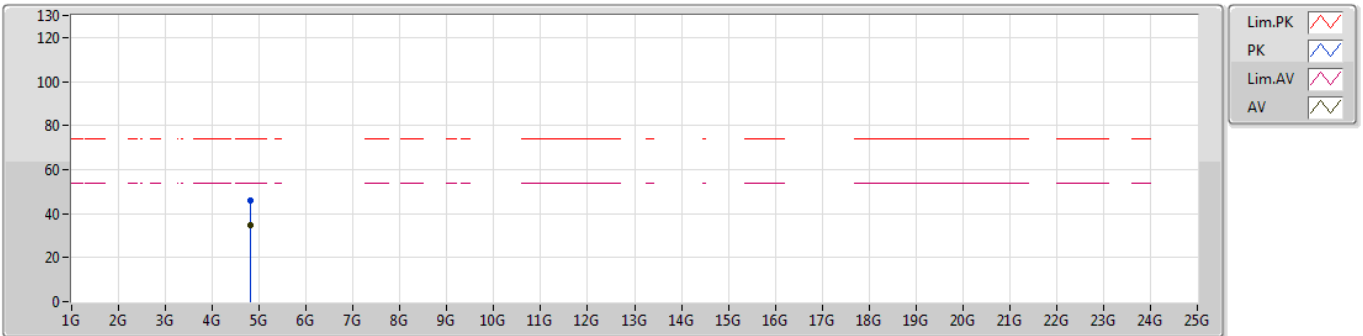
EUT\_Z\_2TX  
Setting 20  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.8238G	49.32	74.00	-24.68	3.59	3	Vertical	153	1.68	-
AV	4.82391G	42.80	54.00	-11.20	3.59	3	Vertical	153	1.68	-

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

08/04/2019

### 2412MHz\_TX



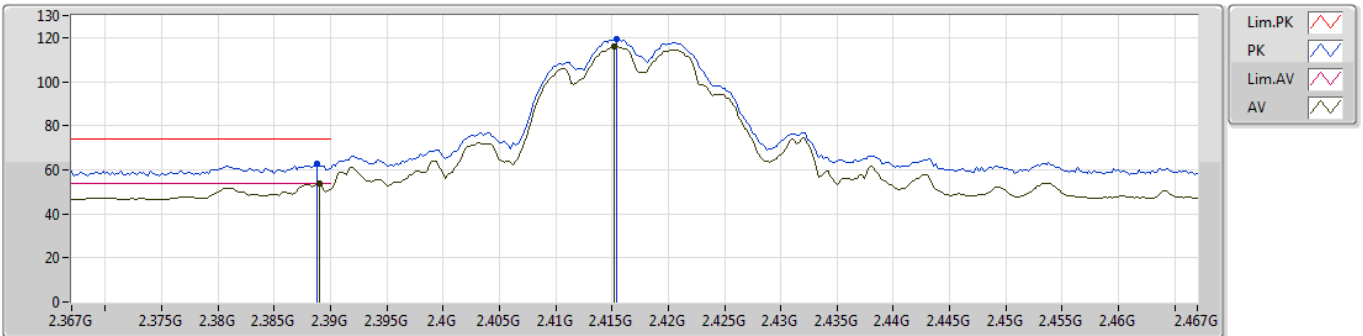
EUT\_Z\_2TX  
Setting 20  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82257G	45.92	74.00	-28.08	3.59	3	Horizontal	230	1.84	-
AV	4.82392G	34.56	54.00	-19.44	3.59	3	Horizontal	230	1.84	-

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

06/04/2019

### 2417MHz\_TX



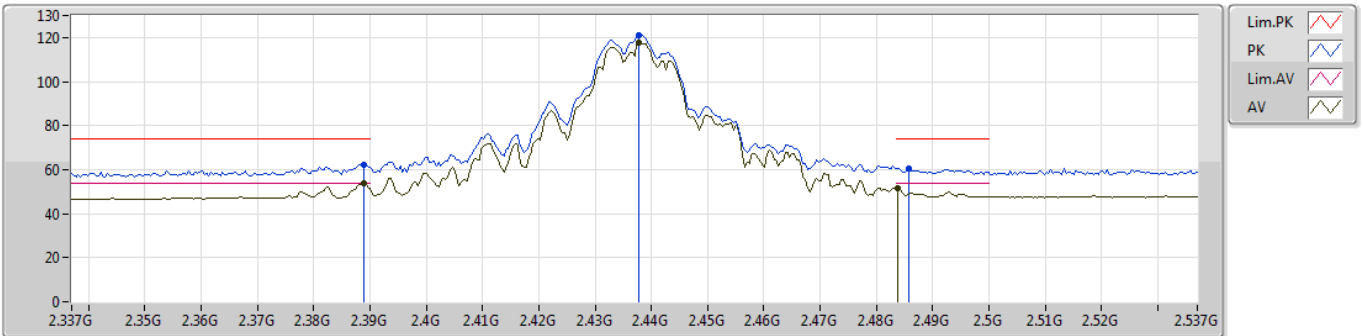
EUT\_Z\_2TX  
Setting 22  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3888G	62.64	74.00	-11.36	30.80	3	Vertical	263	1.23	-
AV	2.389G	53.57	54.00	-0.43	30.80	3	Vertical	263	1.23	-
PK	2.4154G	119.13	Inf	-Inf	30.87	3	Vertical	263	1.23	-
AV	2.4152G	115.95	Inf	-Inf	30.87	3	Vertical	263	1.23	-

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

06/04/2019

## 2437MHz\_TX



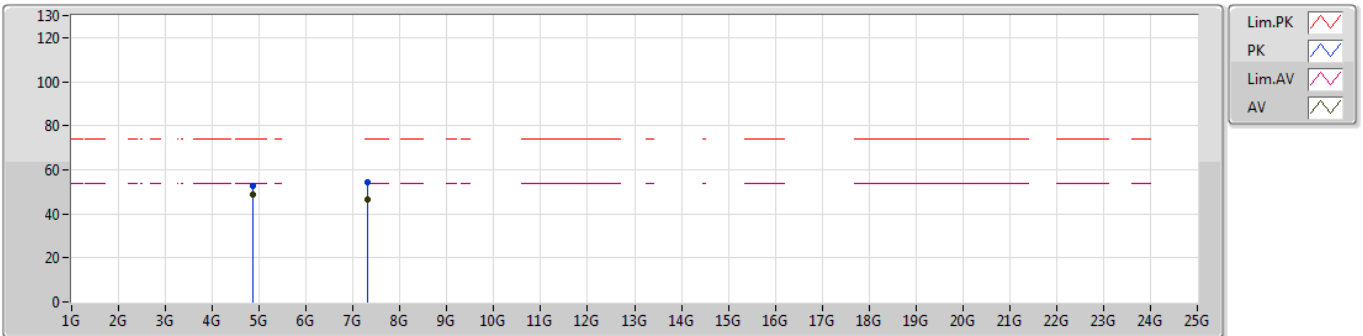
EUT\_Z\_2TX  
Setting 25  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.389G	62.38	74.00	-11.62	30.80	3	Vertical	275	1.54	-
AV	2.389G	53.81	54.00	-0.19	30.80	3	Vertical	275	1.54	-
PK	2.4378G	121.18	Inf	-Inf	30.90	3	Vertical	275	1.54	-
AV	2.4378G	117.40	Inf	-Inf	30.90	3	Vertical	275	1.54	-
PK	2.4858G	60.52	74.00	-13.48	30.97	3	Vertical	275	1.54	-
AV	2.4838G	51.44	54.00	-2.56	30.96	3	Vertical	275	1.54	-

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

08/04/2019

### 2437MHz\_TX



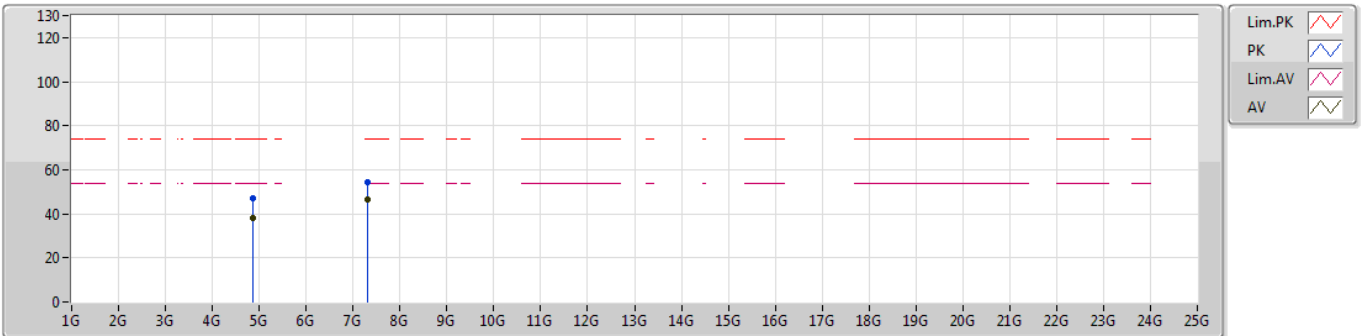
EUT\_Z\_2TX  
Setting 25  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87386G	52.74	74.00	-21.26	3.81	3	Vertical	121	1.73	-
AV	4.87387G	48.57	54.00	-5.43	3.81	3	Vertical	121	1.73	-
PK	7.31221G	54.31	74.00	-19.69	9.25	3	Vertical	49	1.62	-
AV	7.31282G	46.54	54.00	-7.46	9.25	3	Vertical	49	1.62	-

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

08/04/2019

### 2437MHz\_TX



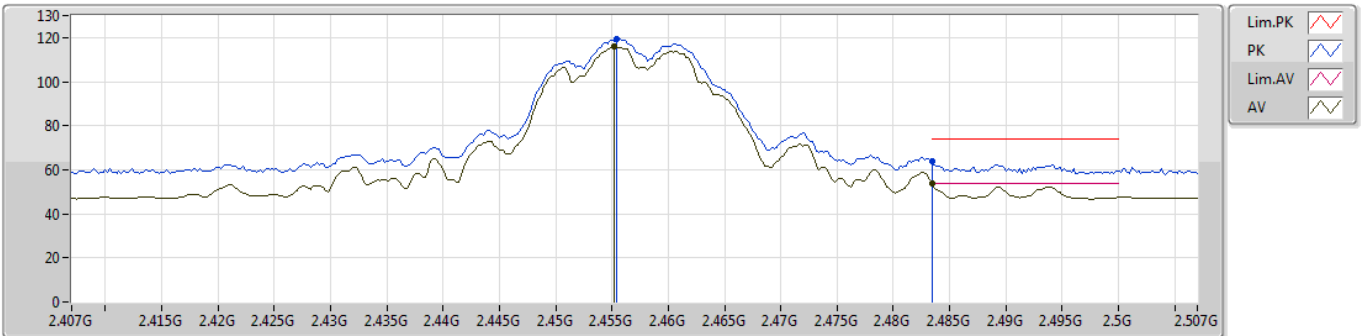
EUT\_Z\_2TX  
Setting 25  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87397G	47.27	74.00	-26.73	3.81	3	Horizontal	225	1.84	-
AV	4.87386G	38.04	54.00	-15.96	3.81	3	Horizontal	225	1.84	-
PK	7.31226G	54.46	74.00	-19.54	9.25	3	Horizontal	215	1.62	-
AV	7.31283G	46.57	54.00	-7.43	9.25	3	Horizontal	215	1.62	-

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

06/04/2019

### 2457MHz\_TX



EUT\_Z\_2TX  
Setting 21.5  
01-D-1  
Dipole Ant  
FSP(100080)

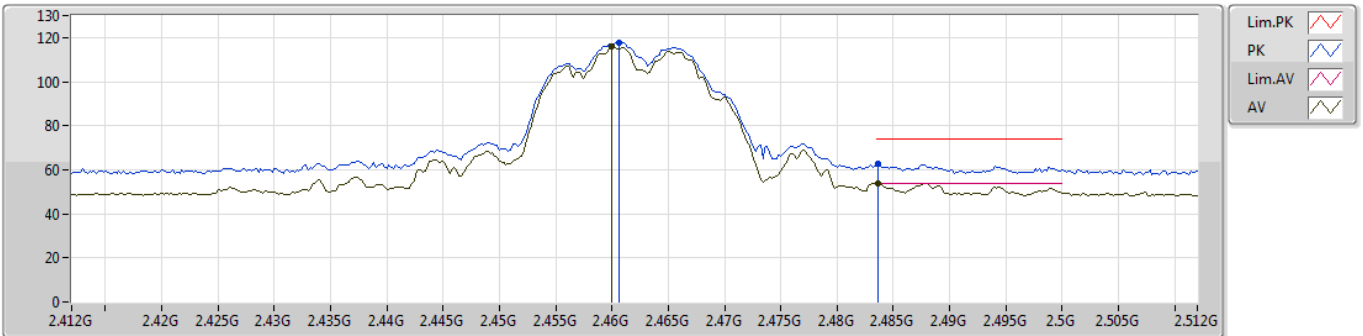
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4554G	119.12	Inf	-Inf	30.93	3	Vertical	263	1.57	-
AV	2.4552G	115.75	Inf	-Inf	30.93	3	Vertical	263	1.57	-
PK	2.4835G	63.88	74.00	-10.12	30.96	3	Vertical	263	1.57	-
AV	2.4835G	53.91	54.00	-0.09	30.96	3	Vertical	263	1.57	-



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

06/04/2019

### 2462MHz\_TX



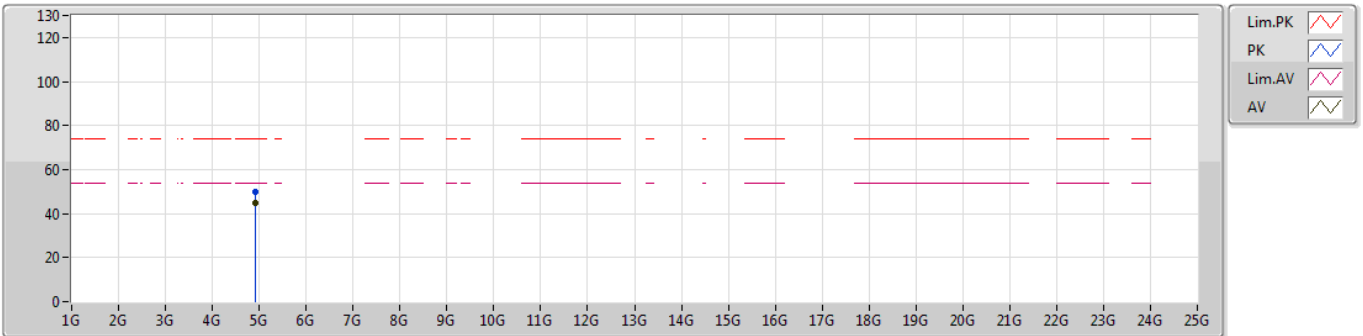
EUT\_Z\_2TX  
Setting 21  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4606G	117.89	Inf	-Inf	30.93	3	Vertical	264	1.23	-
AV	2.46G	115.72	Inf	-Inf	30.93	3	Vertical	264	1.23	-
PK	2.4836G	62.62	74.00	-11.38	30.96	3	Vertical	264	1.23	-
AV	2.4836G	53.97	54.00	-0.03	30.96	3	Vertical	264	1.23	-

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

08/04/2019

### 2462MHz\_TX



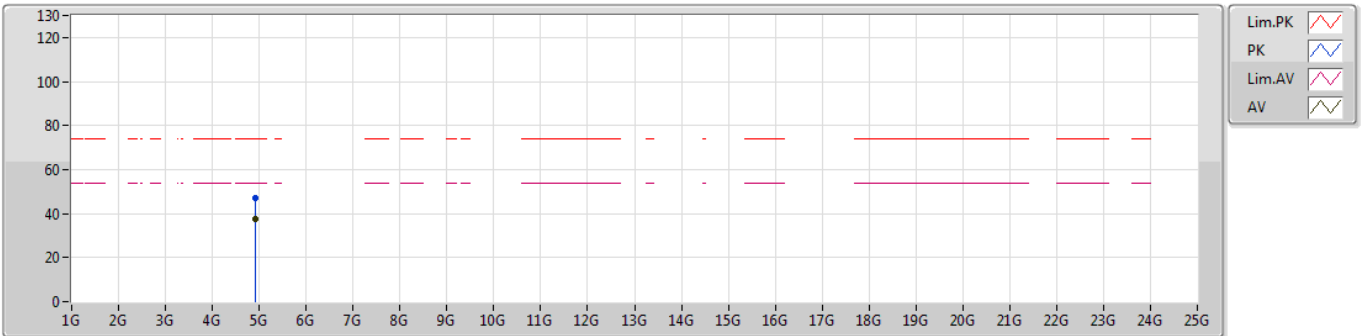
EUT\_Z\_2TX  
Setting 21  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92386G	50.02	74.00	-23.98	4.04	3	Vertical	187	1.85	-
AV	4.92397G	45.05	54.00	-8.95	4.04	3	Vertical	187	1.85	-

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

08/04/2019

### 2462MHz\_TX



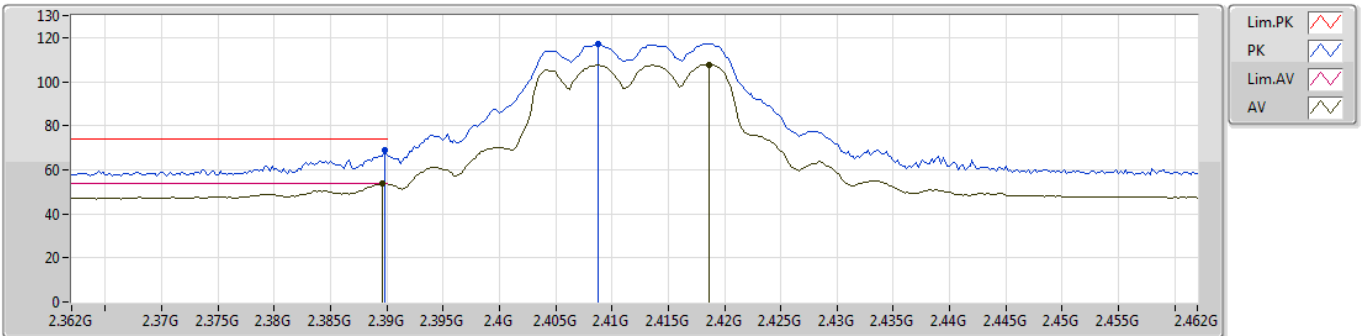
EUT Z\_2TX  
Setting 21  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92363G	46.82	74.00	-27.18	4.04	3	Horizontal	144	1.54	-
AV	4.92389G	37.46	54.00	-16.54	4.04	3	Horizontal	144	1.54	-

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

06/04/2019

### 2412MHz\_TX



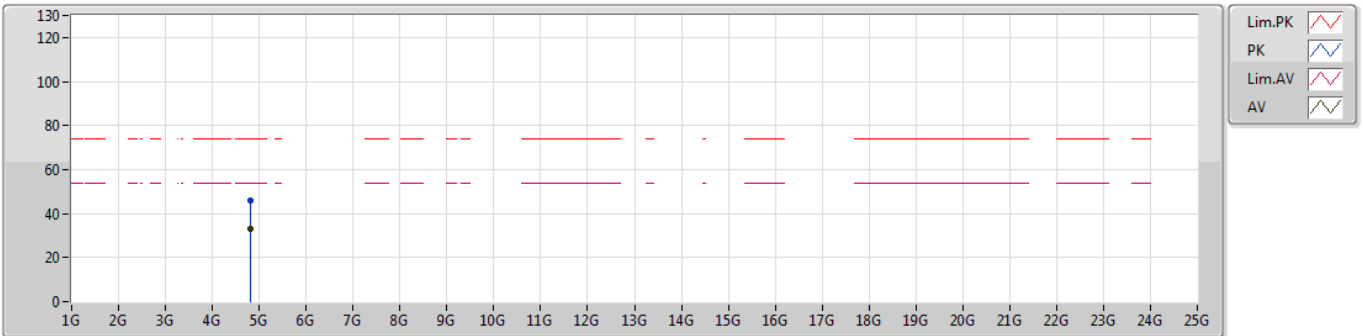
EUT\_Z\_2TX  
Setting 17.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3898G	68.72	74.00	-5.28	30.80	3	Vertical	263	1.04	-
AV	2.3896G	53.97	54.00	-0.03	30.80	3	Vertical	263	1.04	-
PK	2.4088G	117.26	Inf	-Inf	30.85	3	Vertical	263	1.04	-
AV	2.4186G	107.85	Inf	-Inf	30.87	3	Vertical	263	1.04	-

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

06/04/2019

## 2412MHz\_TX



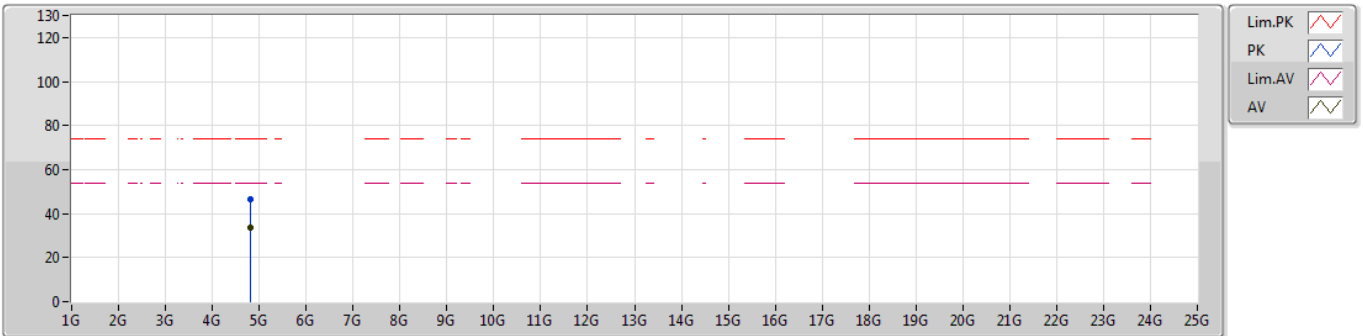
EUT\_Z\_2TX  
Setting 17.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82323G	46.16	74.00	-27.84	3.59	3	Vertical	293	1.97	-
AV	4.82409G	33.33	54.00	-20.67	3.59	3	Vertical	293	1.97	-

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

08/04/2019

### 2412MHz\_TX



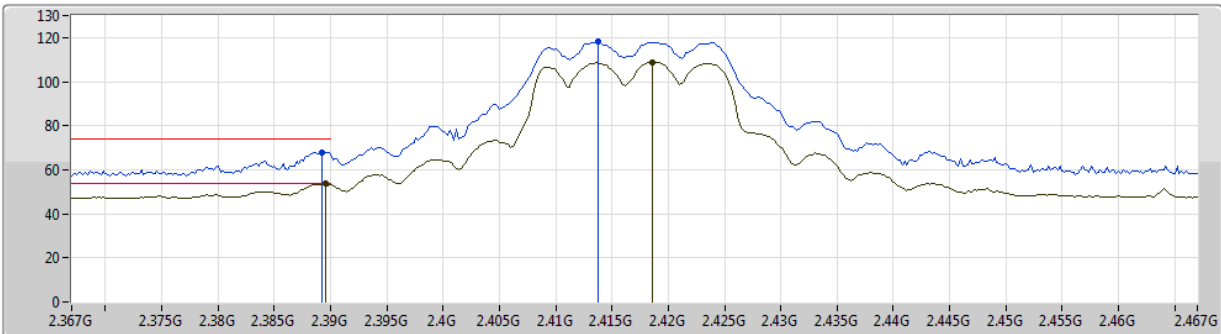
EUT Z\_2TX  
Setting 17.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.82458G	46.63	74.00	-27.37	3.59	3	Horizontal	157	2.11	-
AV	4.8247G	33.39	54.00	-20.61	3.59	3	Horizontal	157	2.11	-

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

06/04/2019

### 2417MHz\_TX



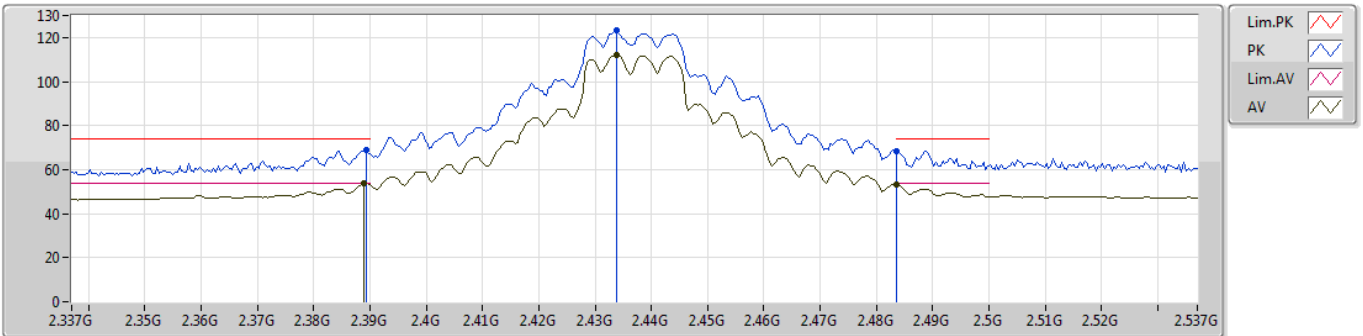
EUT\_Z\_2TX  
Setting 18.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3892G	68.04	74.00	-5.96	30.80	3	Vertical	262	1.06	-
AV	2.3896G	53.90	54.00	-0.10	30.80	3	Vertical	262	1.06	-
PK	2.4138G	118.12	Inf	-Inf	30.86	3	Vertical	262	1.06	-
AV	2.4186G	108.77	Inf	-Inf	30.87	3	Vertical	262	1.06	-

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

06/04/2019

### 2437MHz\_TX



EUT\_Z\_2TX  
Setting 23.5  
01-D-1  
Dipole Ant  
FSP(100080)

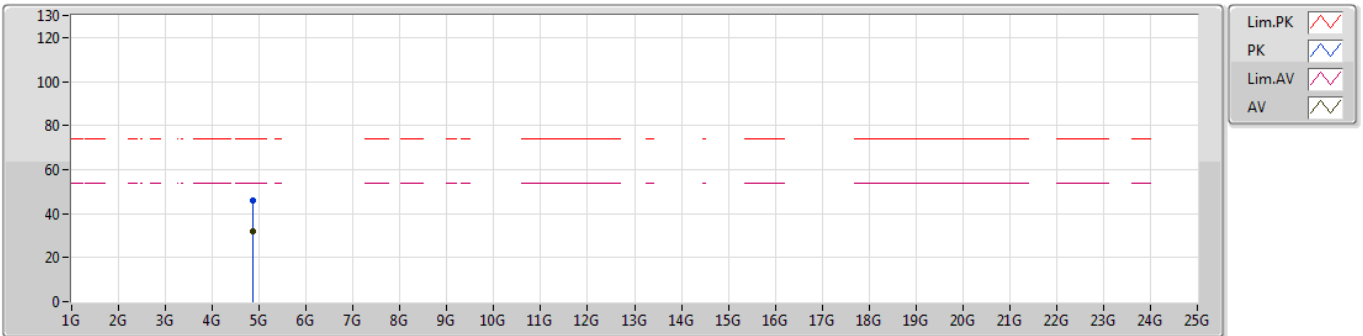
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.3894G	69.11	74.00	-4.89	30.80	3	Vertical	275	1.54	-
AV	2.389G	53.87	54.00	-0.13	30.80	3	Vertical	275	1.54	-
PK	2.4338G	123.19	Inf	-Inf	30.89	3	Vertical	275	1.54	-
AV	2.4338G	111.95	Inf	-Inf	30.89	3	Vertical	275	1.54	-
PK	2.4835G	68.50	74.00	-5.50	30.96	3	Vertical	275	1.54	-
AV	2.4835G	53.19	54.00	-0.81	30.96	3	Vertical	275	1.54	-



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

08/04/2019

## 2437MHz\_TX



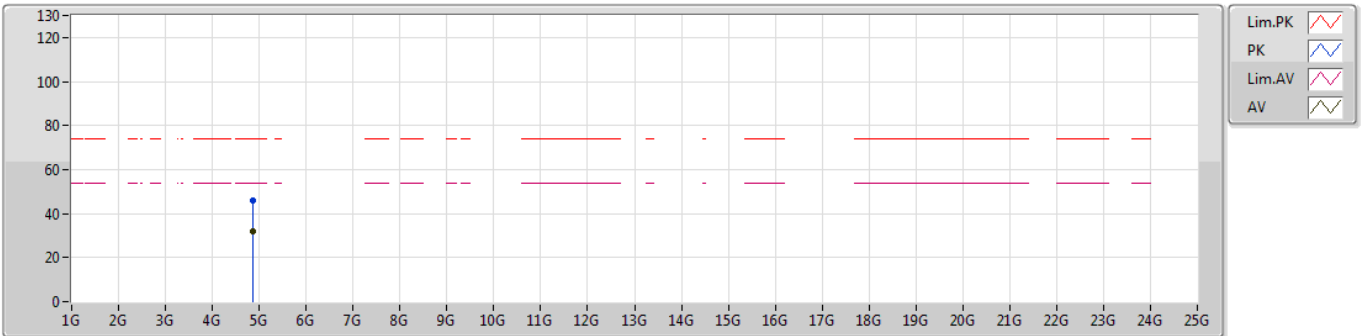
EUT\_Z\_2TX  
Setting 23.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	4.87635G	45.95	74.00	-28.05	3.82	3	Vertical	312	1.10	-						
AV	4.87235G	31.71	54.00	-22.29	3.81	3	Vertical	312	1.10	-						

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

08/04/2019

## 2437MHz\_TX



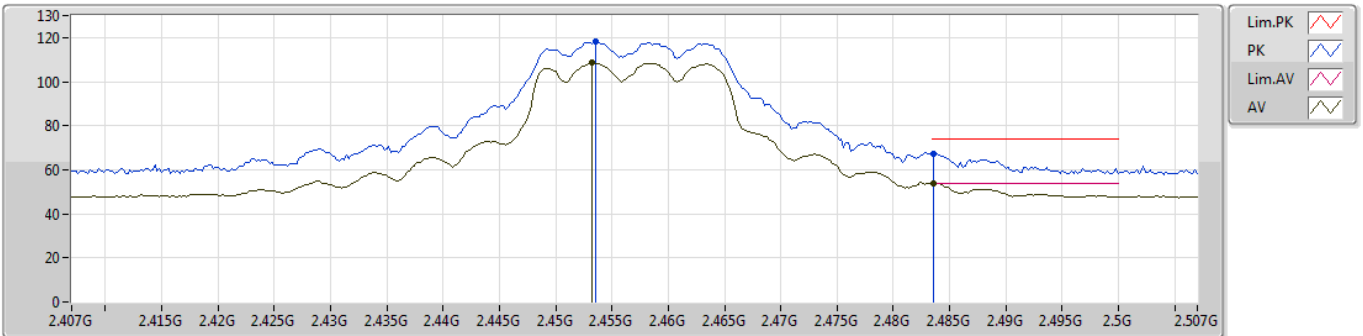
EUT\_Z\_2TX  
Setting 23.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.87445G	45.96	74.00	-28.04	3.81	3	Horizontal	219	2.30	-
AV	4.87441G	31.75	54.00	-22.25	3.81	3	Horizontal	219	2.30	-

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

06/04/2019

## 2457MHz\_TX



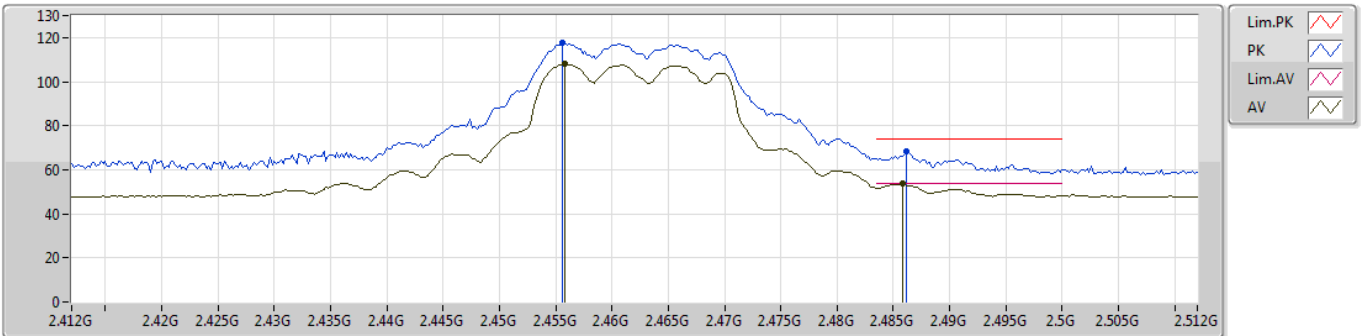
EUT\_Z\_2TX  
Setting 18.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4536G	118.20	Inf	-Inf	30.92	3	Vertical	265	1.50	-
AV	2.4532G	108.47	Inf	-Inf	30.92	3	Vertical	265	1.50	-
PK	2.4836G	67.44	74.00	-6.56	30.96	3	Vertical	265	1.50	-
AV	2.4836G	53.81	54.00	-0.19	30.96	3	Vertical	265	1.50	-

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

06/04/2019

### 2462MHz\_TX



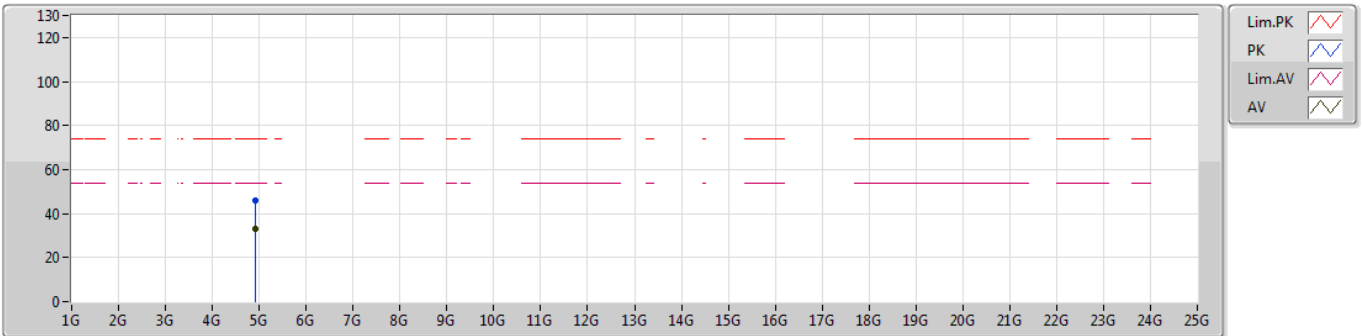
EUT\_Z\_2TX  
Setting 18  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	2.4556G	117.83	Inf	-Inf	30.93	3	Vertical	264	1.49	-
AV	2.4558G	108.03	Inf	-Inf	30.93	3	Vertical	264	1.49	-
PK	2.4862G	68.14	74.00	-5.86	30.97	3	Vertical	264	1.49	-
AV	2.4858G	53.85	54.00	-0.15	30.97	3	Vertical	264	1.49	-

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

08/04/2019

### 2462MHz\_TX



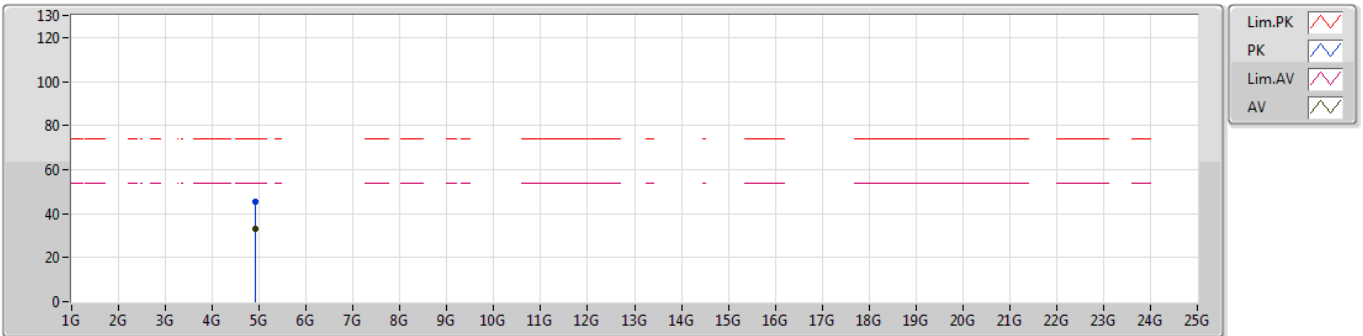
EUT\_Z\_2TX  
Setting 18  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
PK	4.92285G	45.67	74.00	-28.33	4.04	3	Vertical	251	1.67	-
AV	4.92615G	33.12	54.00	-20.88	4.05	3	Vertical	251	1.67	-

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

08/04/2019

## 2462MHz\_TX



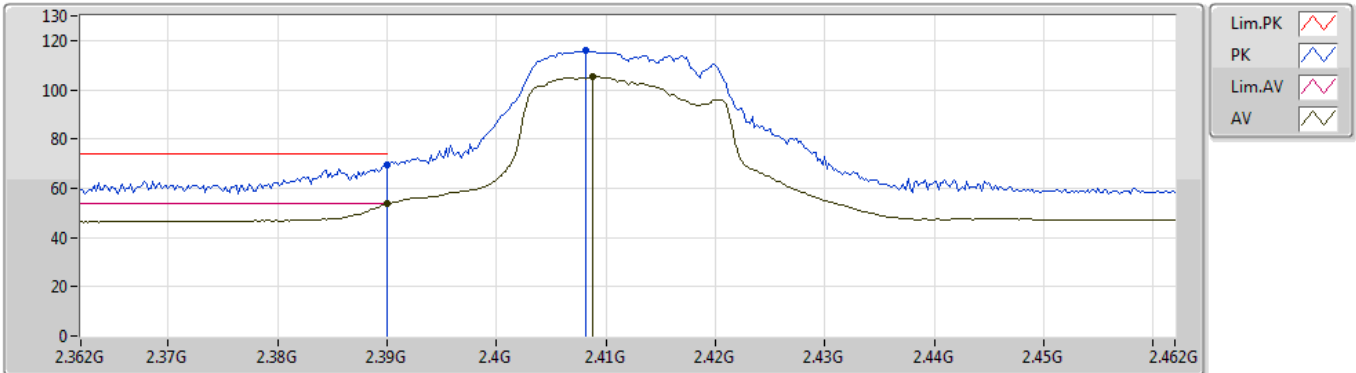
EUT\_Z\_2TX  
Setting 18  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments						
PK	4.92151G	45.51	74.00	-28.49	4.03	3	Horizontal	247	1.48	-						
AV	4.92453G	32.87	54.00	-21.13	4.04	3	Horizontal	247	1.48	-						

## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

### 2412MHz\_TX



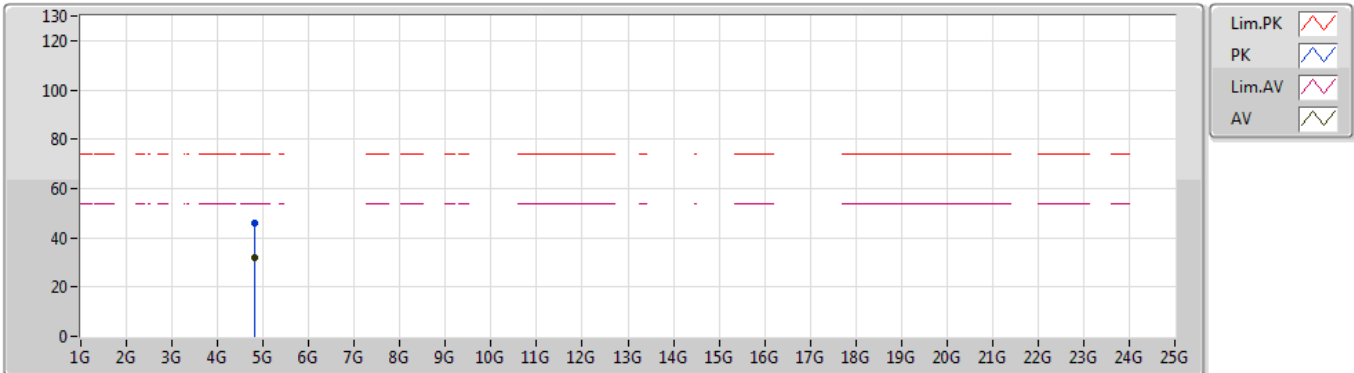
EUT Z\_2TX  
Setting 16  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.39G	69.59	74.00	-4.41	30.80	3	Vertical	265	1.45	-			
AV	2.39G	53.62	54.00	-0.38	30.80	3	Vertical	265	1.45	-			
PK	2.4082G	116.27	Inf	-Inf	30.85	3	Vertical	265	1.45	-			
AV	2.4088G	105.34	Inf	-Inf	30.85	3	Vertical	265	1.45	-			

## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2412MHz\_TX



EUT Z\_2TX  
Setting 16  
01-D-1  
FSP(100080)

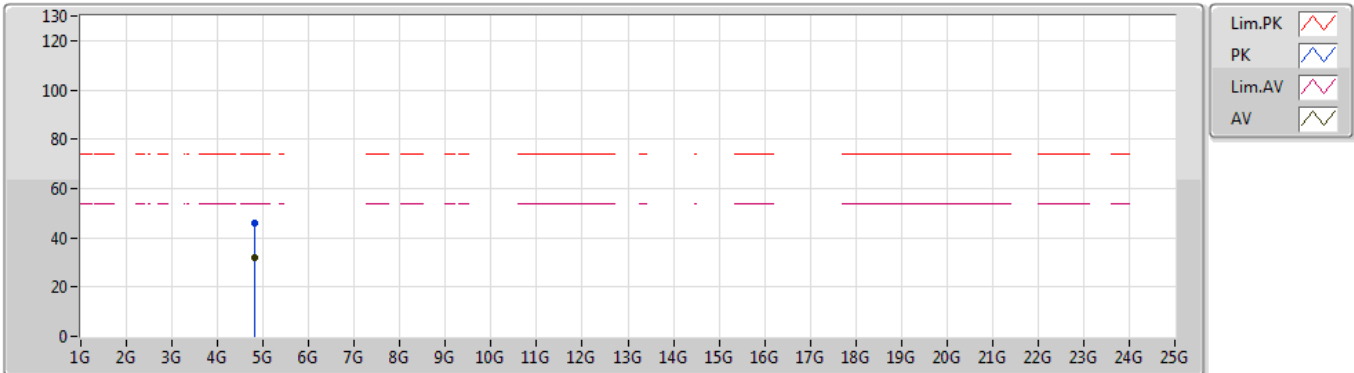
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.82345G	46.12	74.00	-27.88	3.59	3	Vertical	210	1.93	-				
AV	4.82499G	32.06	54.00	-21.94	3.59	3	Vertical	210	1.93	-				



## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2412MHz\_TX



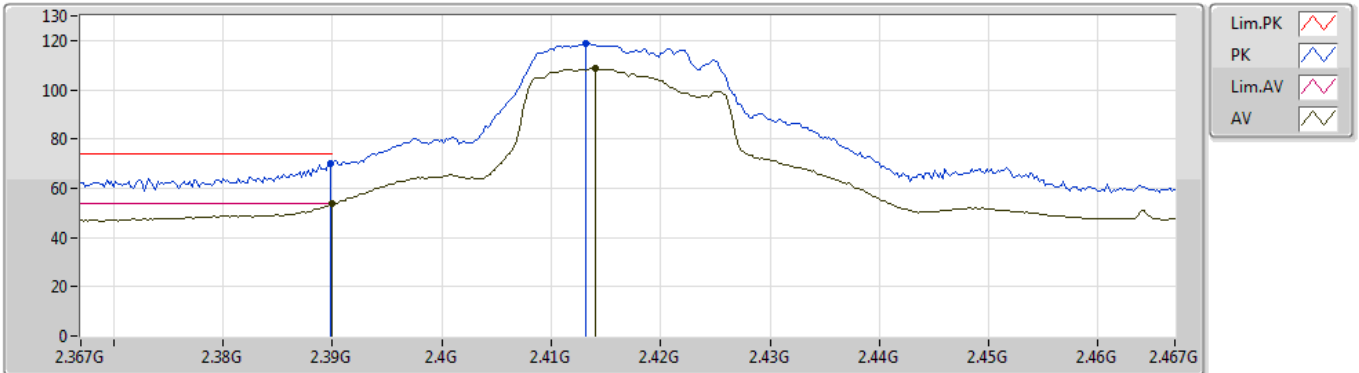
EUT Z\_2TX  
Setting 16  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.82646G	45.90	74.00	-28.10	3.60	3	Horizontal	178	1.63	-				
AV	4.82524G	32.04	54.00	-21.96	3.60	3	Horizontal	178	1.63	-				

# VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2417MHz\_TX



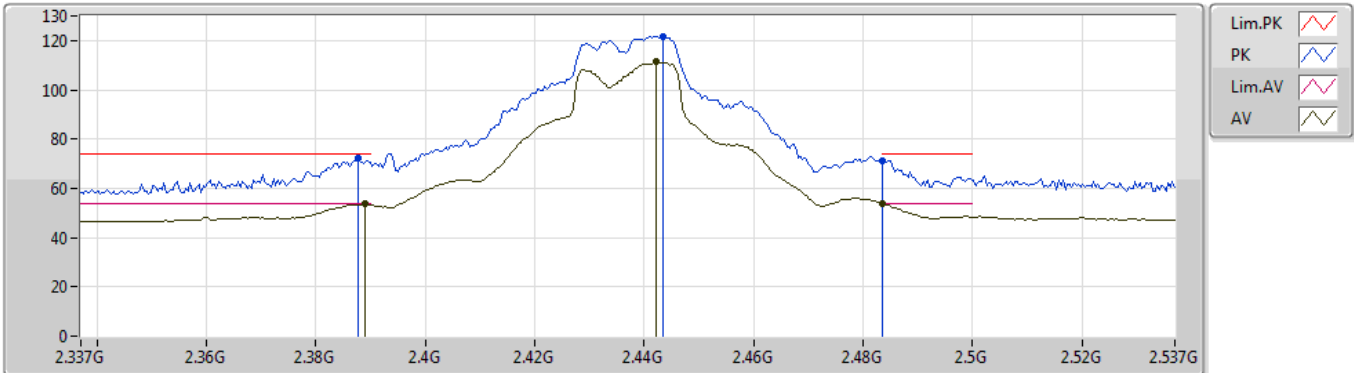
EUT Z\_2TX  
Setting 19  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3898G	70.01	74.00	-3.99	30.80	3	Vertical	263	1.50	-				
AV	2.39G	53.70	54.00	-0.30	30.80	3	Vertical	263	1.50	-				
PK	2.4132G	119.04	Inf	-Inf	30.86	3	Vertical	263	1.50	-				
AV	2.414G	108.65	Inf	-Inf	30.86	3	Vertical	263	1.50	-				

# VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



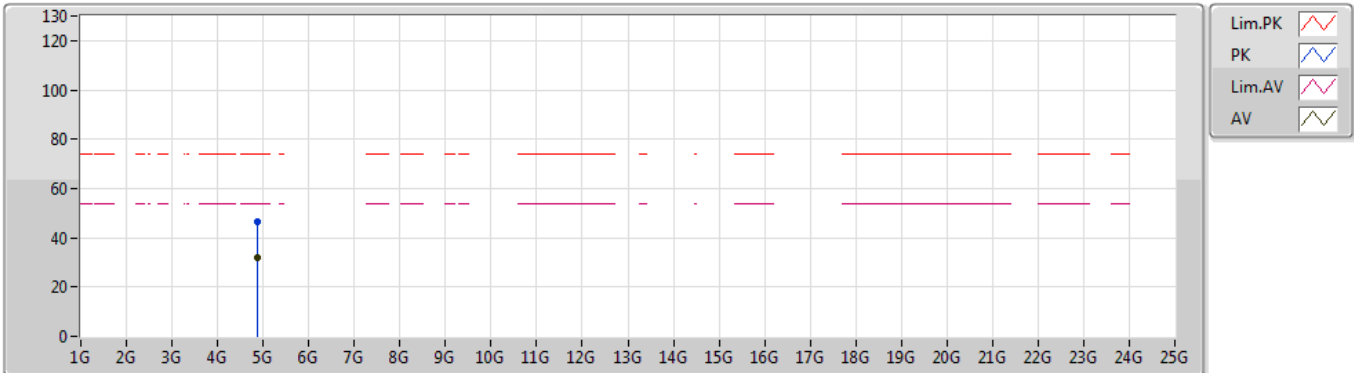
EUT Z\_2TX  
Setting 24  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3878G	72.15	74.00	-1.85	30.79	3	Vertical	276	1.53	-
AV	2.389G	53.55	54.00	-0.45	30.80	3	Vertical	276	1.53	-
PK	2.4434G	121.60	Inf	-Inf	30.90	3	Vertical	276	1.53	-
AV	2.4422G	111.31	Inf	-Inf	30.90	3	Vertical	276	1.53	-
PK	2.4835G	71.22	74.00	-2.78	30.96	3	Vertical	276	1.53	-
AV	2.4835G	53.90	54.00	-0.10	30.96	3	Vertical	276	1.53	-

## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



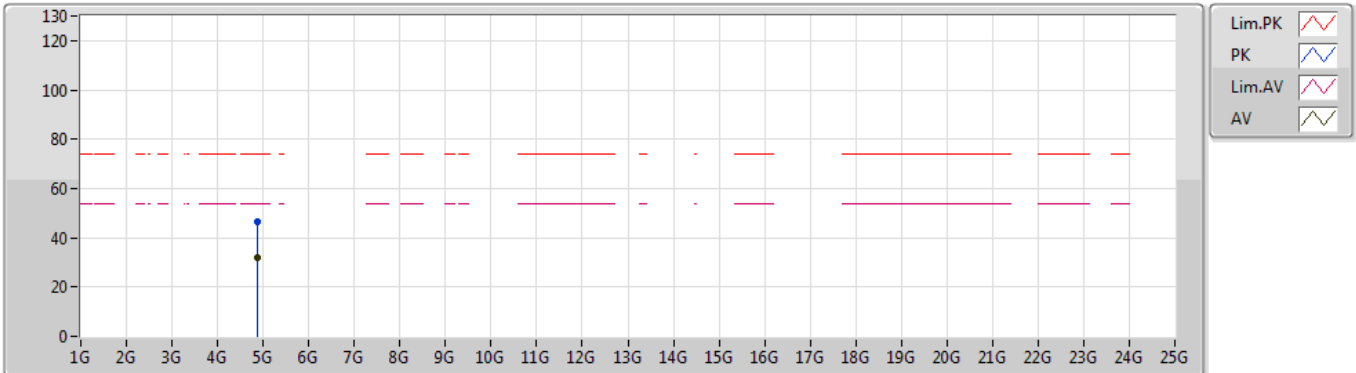
EUT\_Z\_2TX  
Setting 24  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.87361G	46.64	74.00	-27.36	3.81	3	Vertical	283	2.26	-				
AV	4.87619G	31.84	54.00	-22.16	3.82	3	Vertical	283	2.26	-				

## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



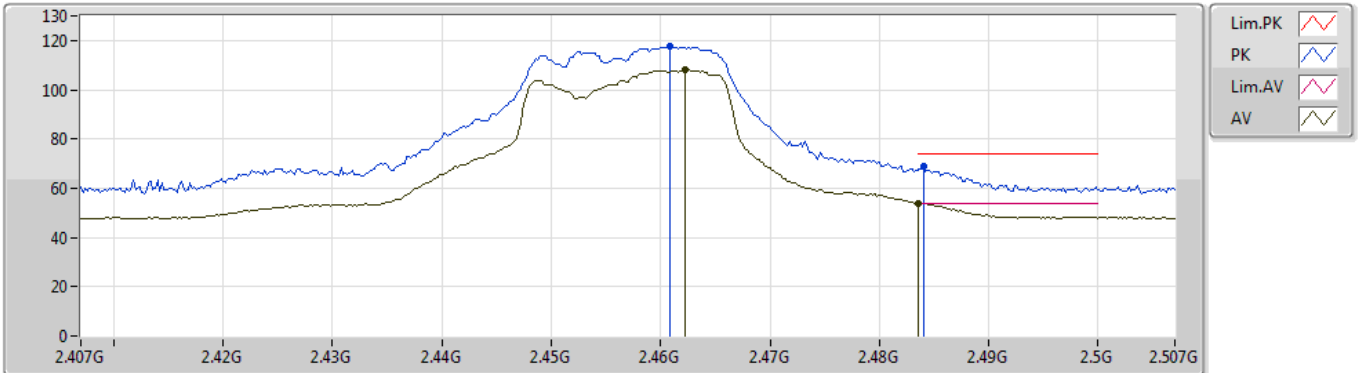
EUT\_Z\_2TX  
Setting 24  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.87412G	46.53	74.00	-27.47	3.81	3	Horizontal	174	2.37	-				
AV	4.87601G	31.74	54.00	-22.26	3.82	3	Horizontal	174	2.37	-				

# VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2457MHz\_TX



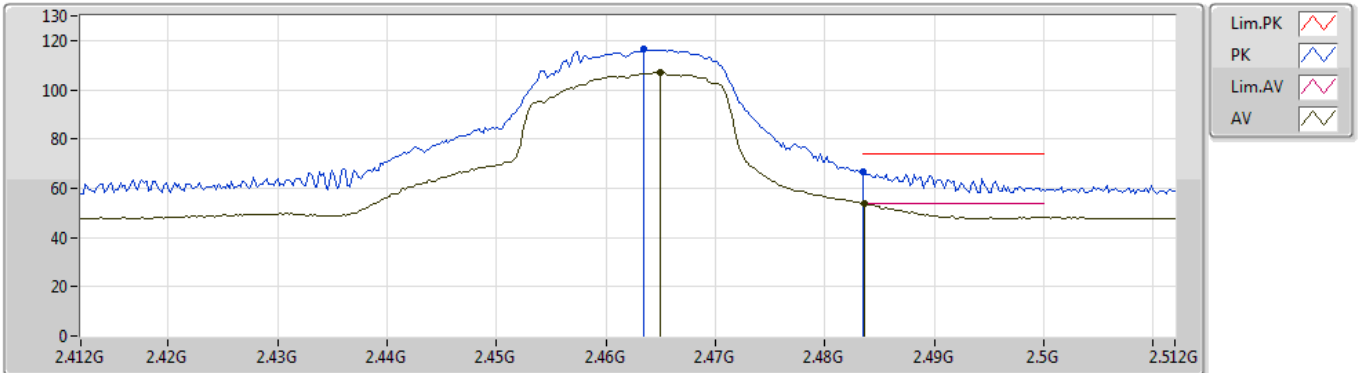
EUT\_Z\_2TX  
Setting 18.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.4608G	117.70	Inf	-Inf	30.93	3	Vertical	263	1.50	-			
AV	2.4622G	108.07	Inf	-Inf	30.93	3	Vertical	263	1.50	-			
PK	2.484G	69.07	74.00	-4.93	30.96	3	Vertical	263	1.50	-			
AV	2.4835G	53.87	54.00	-0.13	30.96	3	Vertical	263	1.50	-			

# VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2462MHz\_TX



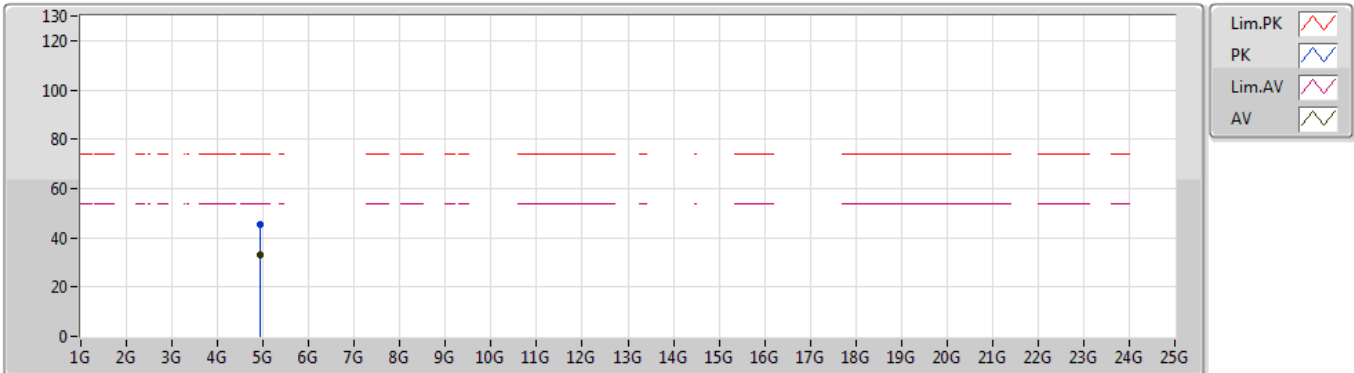
EUT Z\_2TX  
Setting 17.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.4634G	116.30	Inf	-Inf	30.93	3	Vertical	84	1.35	-
AV	2.465G	107.04	Inf	-Inf	30.94	3	Vertical	84	1.35	-
PK	2.4835G	66.58	74.00	-7.42	30.96	3	Vertical	84	1.35	-
AV	2.4836G	53.67	54.00	-0.33	30.96	3	Vertical	84	1.35	-

## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

## 2462MHz\_TX



EUT Z\_2TX  
Setting 17.5  
01-D-1  
FSP(100080)

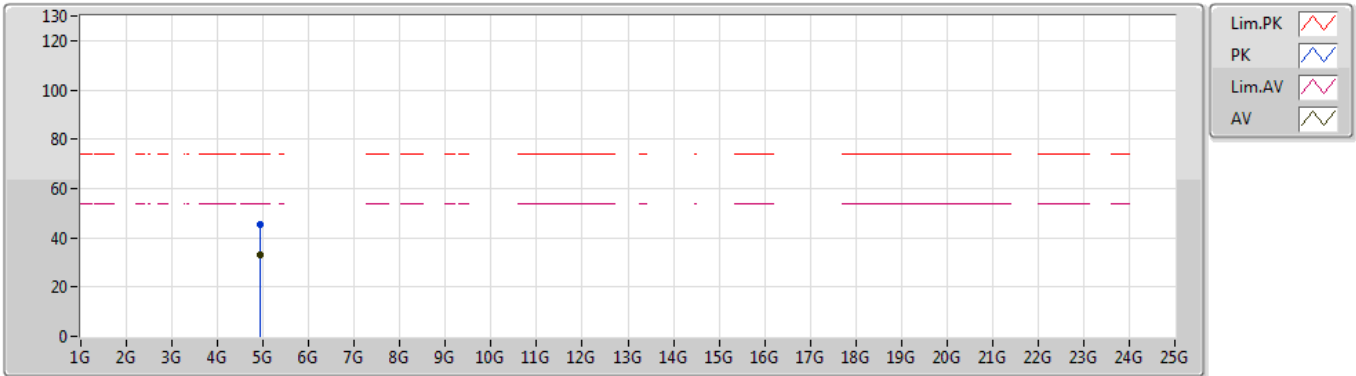
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.92633G	45.54	74.00	-28.46	4.05	3	Vertical	357	1.60	-				
AV	4.9261G	32.80	54.00	-21.20	4.05	3	Vertical	357	1.60	-				



## VHT20\_Nss1,(MCS0)\_2TX

19/04/2019

### 2462MHz\_TX



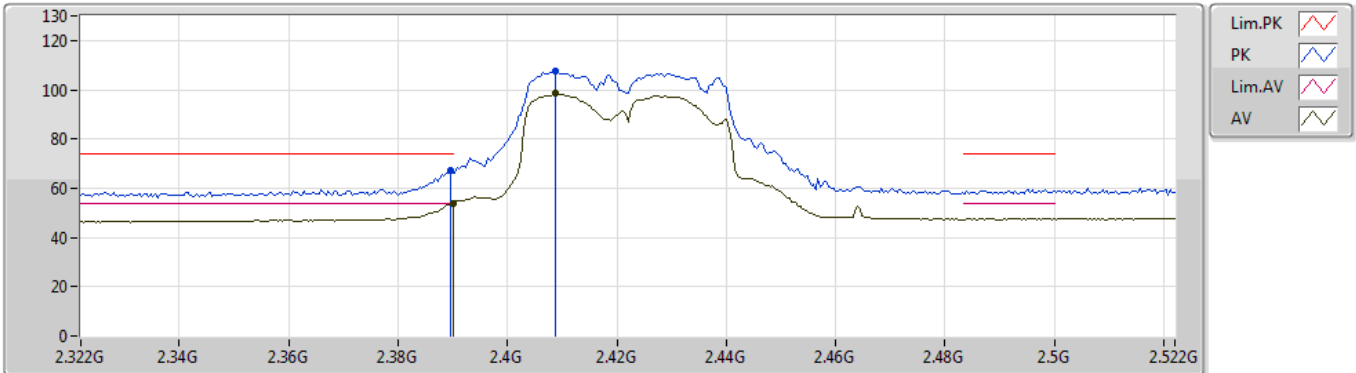
EUT Z\_2TX  
Setting 17.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.9245G	45.41	74.00	-28.59	4.04	3	Horizontal	301	1.52	-				
AV	4.92263G	32.92	54.00	-21.08	4.04	3	Horizontal	301	1.52	-				

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2422MHz\_TX



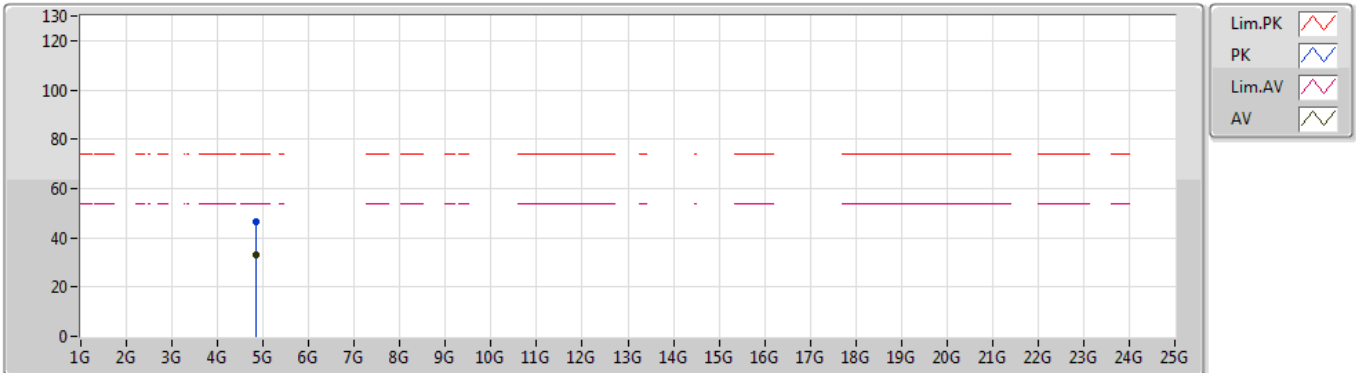
EUT\_Z\_2TX  
Setting 11  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.3896G	67.17	74.00	-6.83	30.80	3	Vertical	265	1.35	-			
AV	2.39G	53.61	54.00	-0.39	30.80	3	Vertical	265	1.35	-			
PK	2.4088G	107.47	Inf	-Inf	30.85	3	Vertical	265	1.35	-			
AV	2.4088G	98.36	Inf	-Inf	30.85	3	Vertical	265	1.35	-			

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

### 2422MHz\_TX



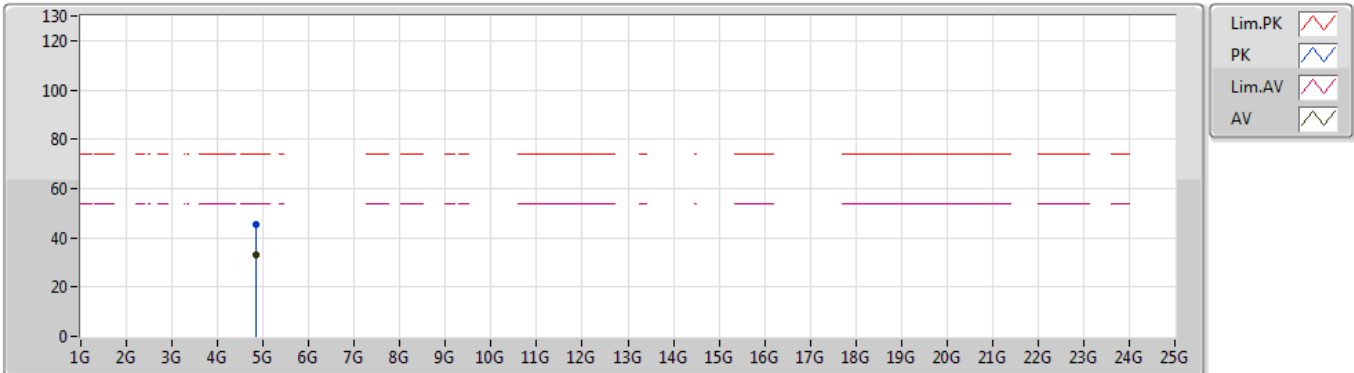
EUT Z\_2TX  
Setting 11  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.84453G	46.26	74.00	-27.74	3.67	3	Vertical	239	2.46	-				
AV	4.84626G	32.88	54.00	-21.12	3.69	3	Vertical	239	2.46	-				

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2422MHz\_TX



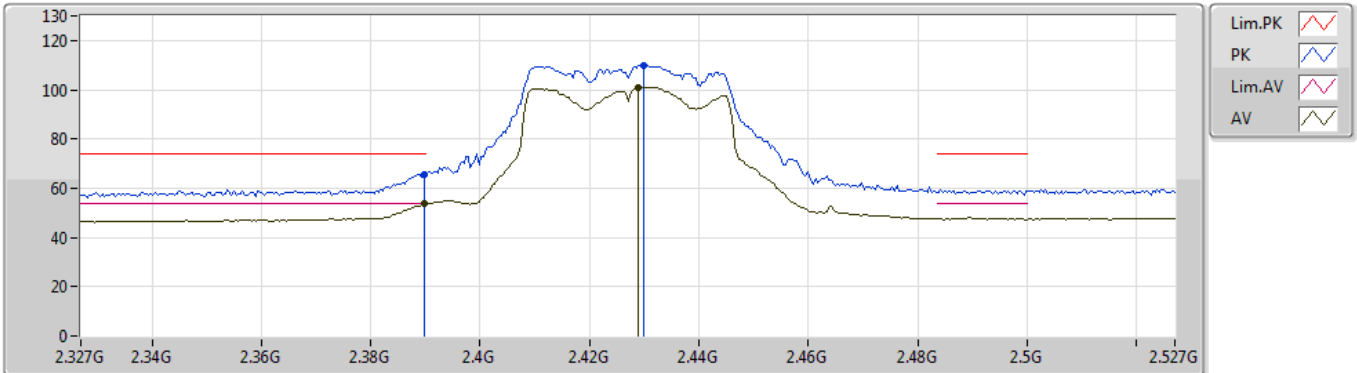
EUT\_Z\_2TX  
Setting 11  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.84175G	45.36	74.00	-28.64	3.67	3	Horizontal	122	2.14	-				
AV	4.8439G	33.01	54.00	-20.99	3.67	3	Horizontal	122	2.14	-				

# VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2427MHz\_TX



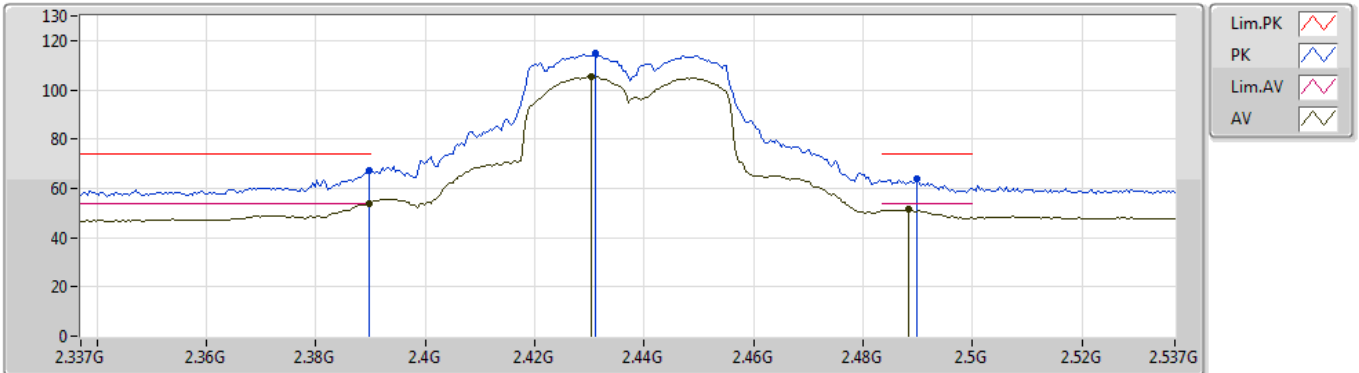
EUT\_Z\_2TX  
Setting 14.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.3898G	65.55	74.00	-8.45	30.80	3	Vertical	86	1.35	-				
AV	2.3898G	53.60	54.00	-0.40	30.80	3	Vertical	86	1.35	-				
PK	2.4298G	110.04	Inf	-Inf	30.88	3	Vertical	86	1.35	-				
AV	2.429G	101.06	Inf	-Inf	30.88	3	Vertical	86	1.35	-				

# VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



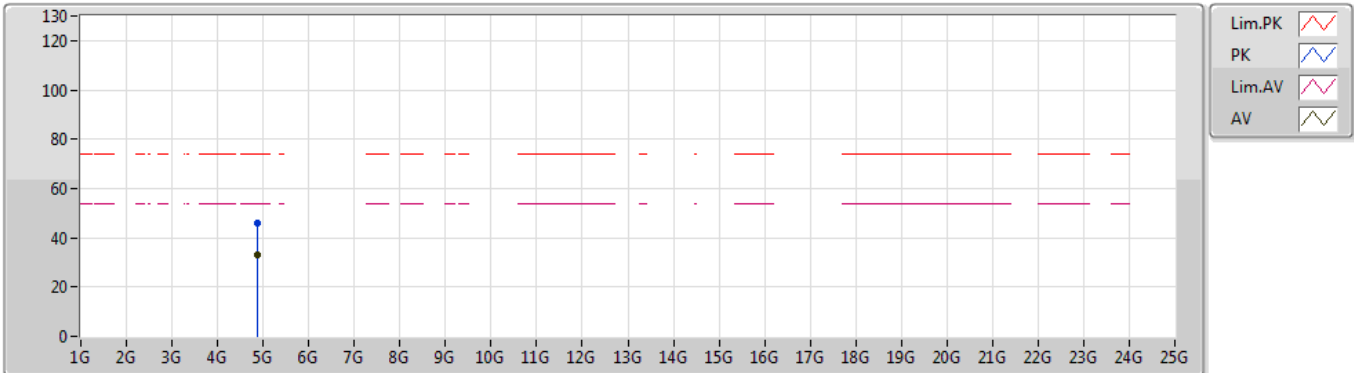
EUT Z\_2TX  
Setting 18.5  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment
PK	2.3898G	67.05	74.00	-6.95	30.80	3	Vertical	85	1.34	-
AV	2.3898G	53.99	54.00	-0.01	30.80	3	Vertical	85	1.34	-
PK	2.431G	114.73	Inf	-Inf	30.89	3	Vertical	85	1.34	-
AV	2.4302G	105.30	Inf	-Inf	30.89	3	Vertical	85	1.34	-
PK	2.4898G	64.08	74.00	-9.92	30.97	3	Vertical	85	1.34	-
AV	2.4882G	51.30	54.00	-2.70	30.97	3	Vertical	85	1.34	-

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



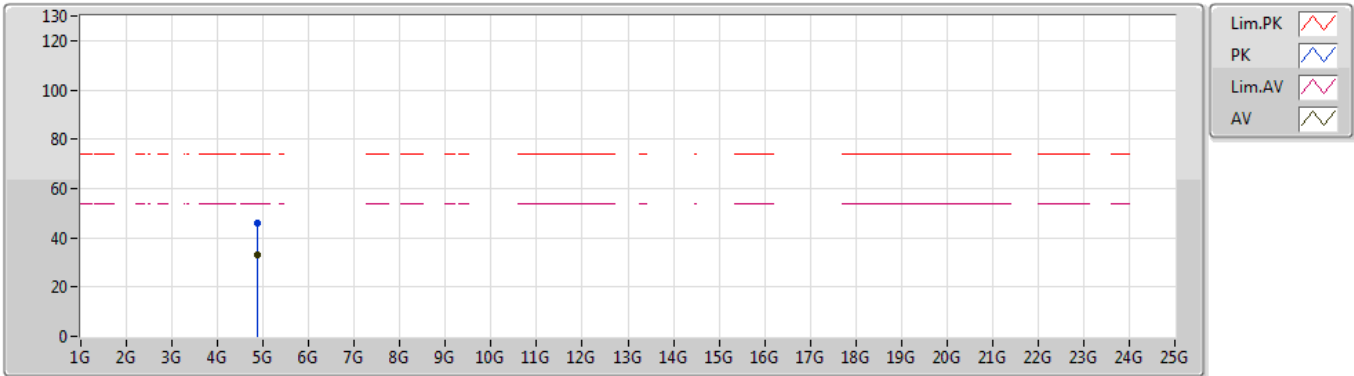
EUT Z\_2TX  
Setting 18.5  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.87644G	45.87	74.00	-28.13	3.82	3	Vertical	260	1.83	-				
AV	4.87191G	32.93	54.00	-21.07	3.81	3	Vertical	260	1.83	-				

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2437MHz\_TX



EUT Z\_2TX  
Setting 18.5  
01-D-1  
FSP(100080)

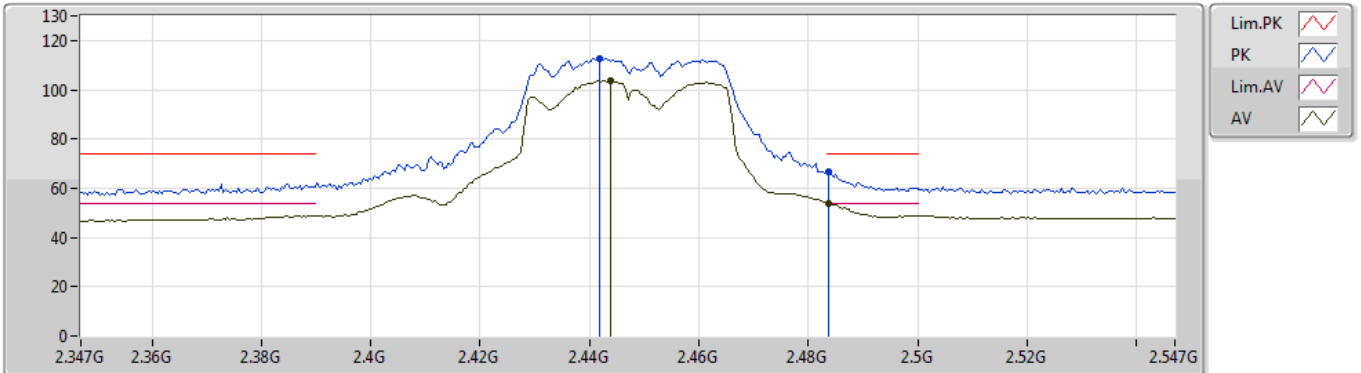
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.87259G	46.21	74.00	-27.79	3.81	3	Horizontal	301	1.52	-				
AV	4.87443G	33.12	54.00	-20.88	3.81	3	Horizontal	301	1.52	-				



## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

### 2447MHz\_TX



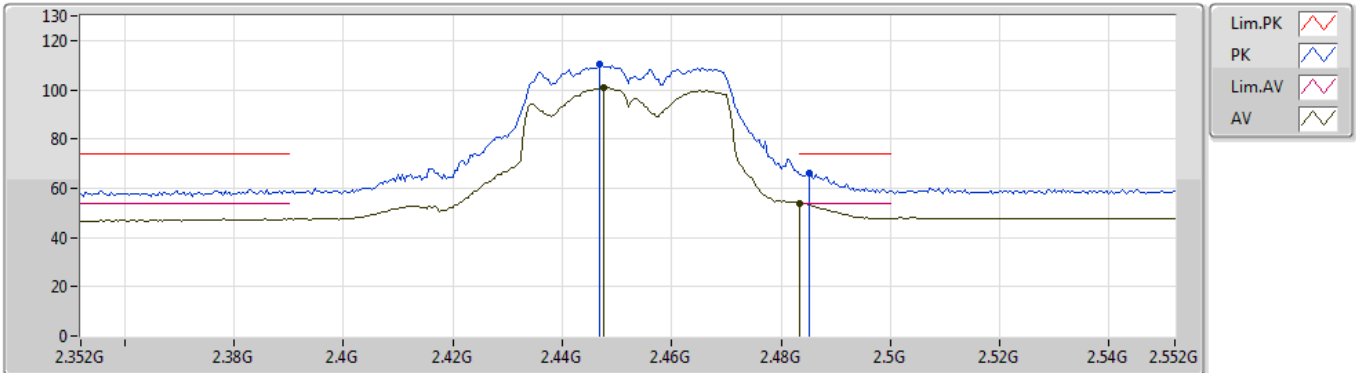
EUT\_Z\_2TX  
Setting 17  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment			
PK	2.4418G	112.74	Inf	-Inf	30.90	3	Vertical	266	1.40	-			
AV	2.4438G	103.65	Inf	-Inf	30.90	3	Vertical	266	1.40	-			
PK	2.4838G	66.52	74.00	-7.48	30.96	3	Vertical	266	1.40	-			
AV	2.4838G	53.83	54.00	-0.17	30.96	3	Vertical	266	1.40	-			

# VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2452MHz\_TX



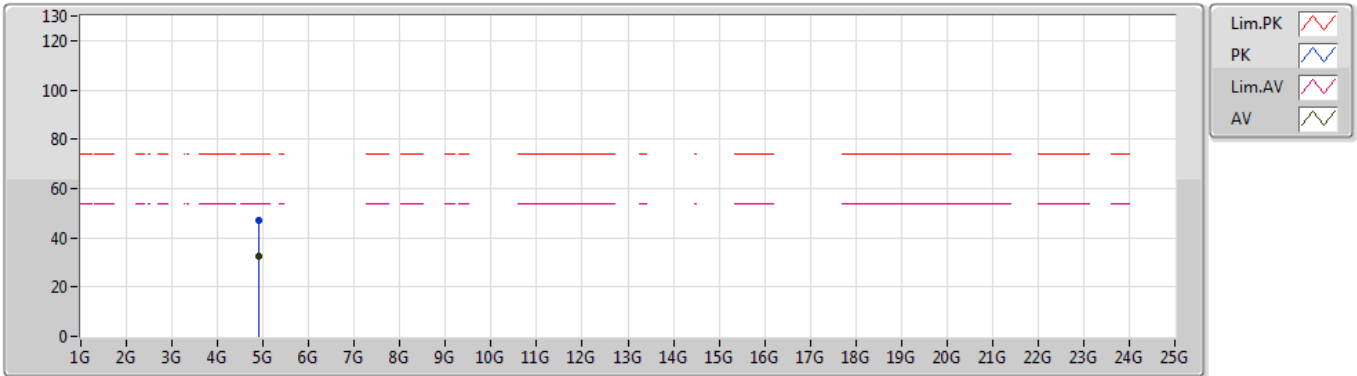
EUT Z\_2TX  
Setting 14  
01-D-1  
Dipole Ant  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	2.4468G	110.62	Inf	-Inf	30.91	3	Vertical	265	1.45	-				
AV	2.4476G	100.60	Inf	-Inf	30.91	3	Vertical	265	1.45	-				
PK	2.4852G	66.05	74.00	-7.95	30.97	3	Vertical	265	1.45	-				
AV	2.4835G	53.65	54.00	-0.35	30.96	3	Vertical	265	1.45	-				

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

### 2452MHz\_TX



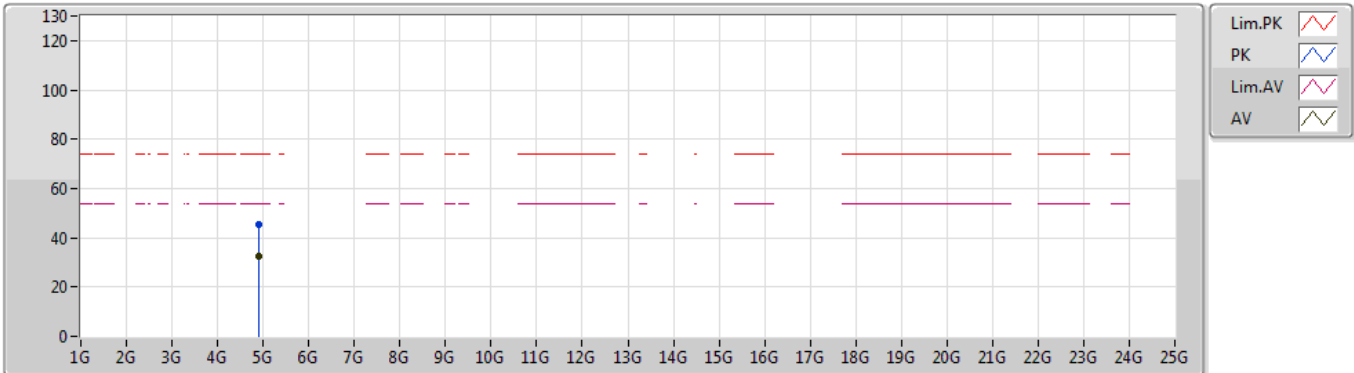
EUT Z\_2TX  
Setting 14  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.90186G	46.80	74.00	-27.20	3.94	3	Vertical	95	2.41	-				
AV	4.90151G	32.72	54.00	-21.28	3.93	3	Vertical	95	2.41	-				

## VHT40\_Nss1,(MCS0)\_2TX

19/04/2019

## 2452MHz\_TX



EUT Z\_2TX  
Setting 14  
01-D-1  
FSP(100080)

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment				
PK	4.90549G	45.27	74.00	-28.73	3.96	3	Horizontal	344	1.53	-				
AV	4.90524G	32.52	54.00	-21.48	3.96	3	Horizontal	344	1.53	-				

