

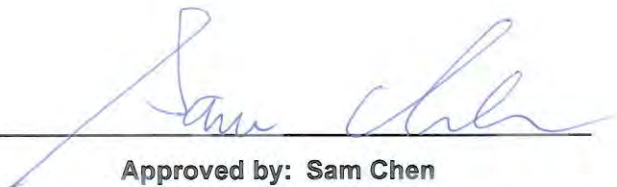


# FCC RADIO TEST REPORT

FCC ID : O2U-5541  
Equipment : Wireless Access Point  
Brand Name :   
Model Name : AP5541  
Applicant : COMPAL BROADBAND NETWORKS, INC.  
13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu  
County 30288, Taiwan, R.O.C.  
Manufacturer : COMPAL BROADBAND NETWORKS, INC.  
13F-1, No.1, Taiyuan 1st St., Zhubei City, Hsinchu  
County 30288, Taiwan, R.O.C.  
Standard : 47 CFR FCC Part 15.247

The product was received on Sep. 02, 2020, and testing was started from Sep. 08, 2020 and completed on Nov. 10, 2020. 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 test results in this 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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**Appendix G. Test Photos**

**Photographs of EUT v01**



### History of this test report

Report No.	Version	Description	Issued Date
FR082543AA	01	Initial issue of report	Dec. 31, 2020



### 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: **Vicky 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]

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.

### 1.1.2 Antenna Information

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	
						2.4GHz	5GHz
1	2	CBN	AP5541	PIFA Antenna	N/A	2.8	-
2	1	CBN	AP5541	PIFA Antenna	N/A	3.7	-
3	1	CBN	AP5541	PIFA Antenna	N/A	-	3.1
4	2	CBN	AP5541	PIFA Antenna	N/A	-	3.5

Note: The above information was declared by manufacturer.

**<For WLAN 2.4GHz Function>**

**For IEEE 802.11b/g/n/VHT mode (2TX/2RX):**

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

Port 1 and Port 2 could transmit/receive simultaneously.

**<For WLAN 5GHz Function>**

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

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

Port 1 and Port 2 could transmit/receive simultaneously.



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.994	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11g	0.961	0.17	2.04m	1k
VHT20	0.885	0.53	4.98m	300
VHT40	0.789	1.03	2.425m	1k

Note:

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

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
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	QSPR V5.0-00186			
Test Sample Serial Number	For AC Conduction: 730293900038 For Radiated(below 1GHz): 730294900020 For RF Conducted and Radiated(above 1GHz): 1415541200003			

Note: The above information was declared by manufacturer.



### 1.2 Applicable 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

The following reference test guidance is not within the scope of accreditation of TAF.

- ◆ FCC KDB 558074 D01 v05r02
- ◆ FCC KDB 662911 D01 v02r01
- ◆ FCC KDB 414788 D01 v01r01

### 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, Ln. 724, Bo'ai St., Zhubei 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	Nyle Chang	23-24.3°C / 51-54%	Sep. 11, 2020~ Nov. 10, 2020
Radiated (below 1GHz)	03CH01-CB	Stim Sung	24.3-24.9°C / 55-58%	Nov. 10, 2020
Radiated (above 1GHz)	03CH02-CB	JN Tu	24.6-25.2°C / 55-57%	Sep. 08, 2020~ Oct. 30, 2020
AC Conduction	CO01-CB	Wei Li	23~24°C / 59~62%	Oct. 30, 2020

Test site Designation No. TW0006 with FCC.  
Test site registered number IC 4086D with Industry Canada.

### 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.9 dB	Confidence levels of 95%
Conducted Emission	2.8 dB	Confidence levels of 95%
Output Power Measurement	1.4 dB	Confidence levels of 95%
Power Density Measurement	2.8 dB	Confidence levels of 95%
Bandwidth Measurement	0.4%	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	15
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	18
2437MHz	20.5
2457MHz	18.5
2462MHz	15
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	20.5
2437MHz	20.5
2457MHz	19.5
2462MHz	14.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	16
2437MHz	17
2447MHz	14.5
2452MHz	13.5





## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	Normal Link

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA082543 for Co-location RF Exposure Evaluation.	

Note: The EUT can only be used at Z axis position.

## 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	WB-18Q12FU	Input: 100-240V~,50-60Hz, 0.6A Max. Output:12V, 1.5A
Other			
RJ-45 cable, non-shielded 1.5m			

## 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	WAN NB	DELL	E6430	N/A
B	LAN NB	DELL	E6430	N/A
C	2.4G NB	DELL	E6430	N/A
D	5G NB	DELL	E6430	N/A

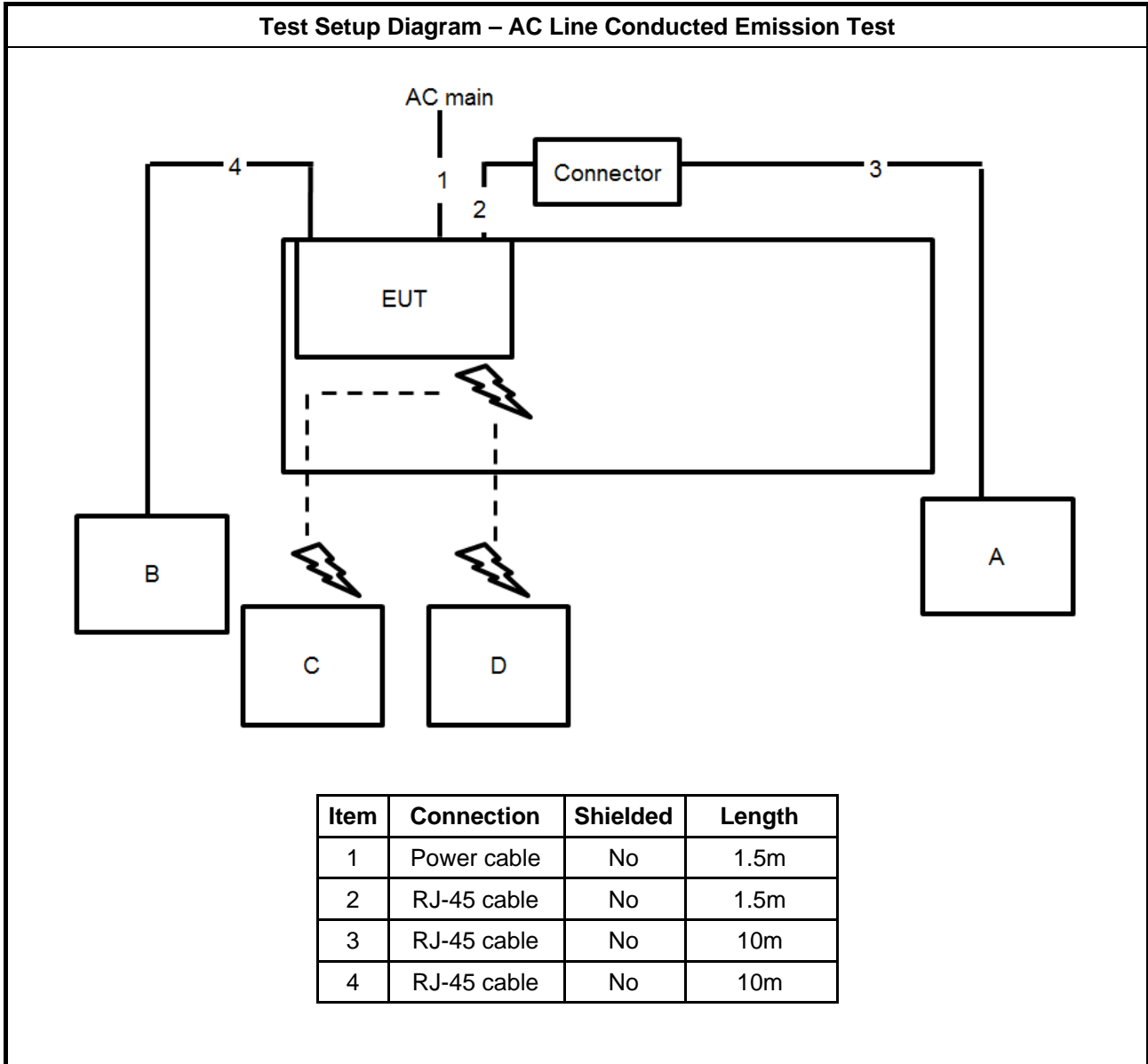
For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E4300	N/A
B	2.4G NB	DELL	E4300	N/A
C	5G NB	DELL	E4300	N/A
D	WLAN AP	Netgear	R7500	PY314300288
E	WAN NB	DELL	E4300	N/A

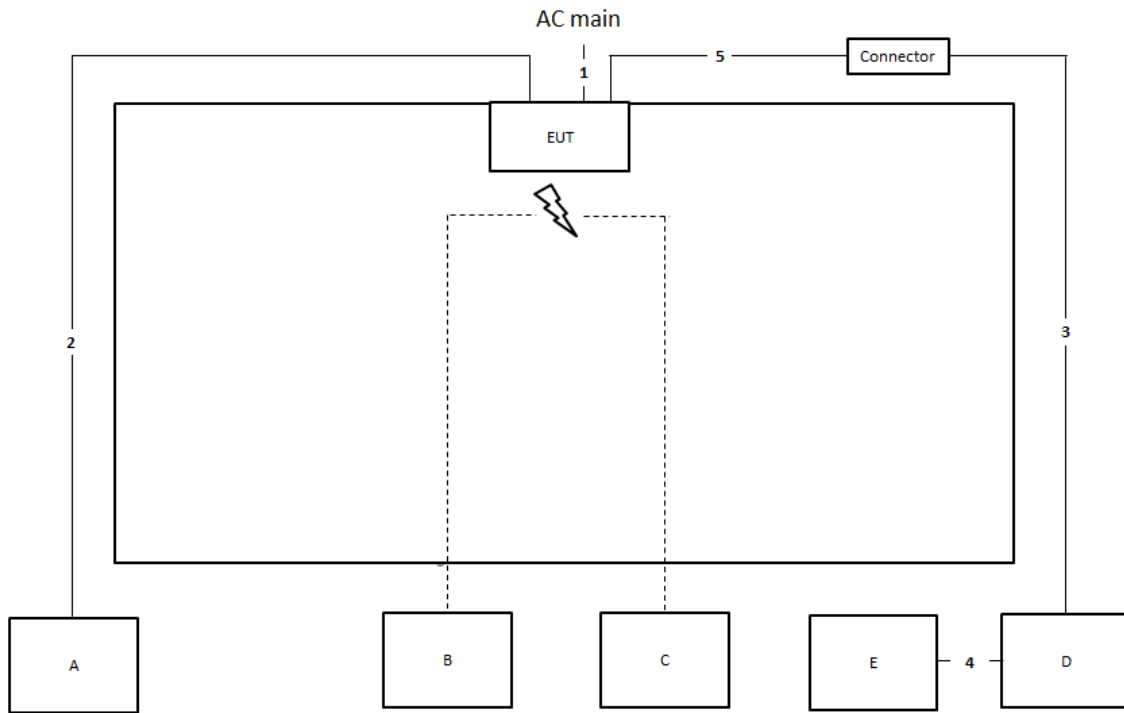
For Radiated (above 1GHz) and RF Conducted:

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

## 2.6 Test Setup Diagram

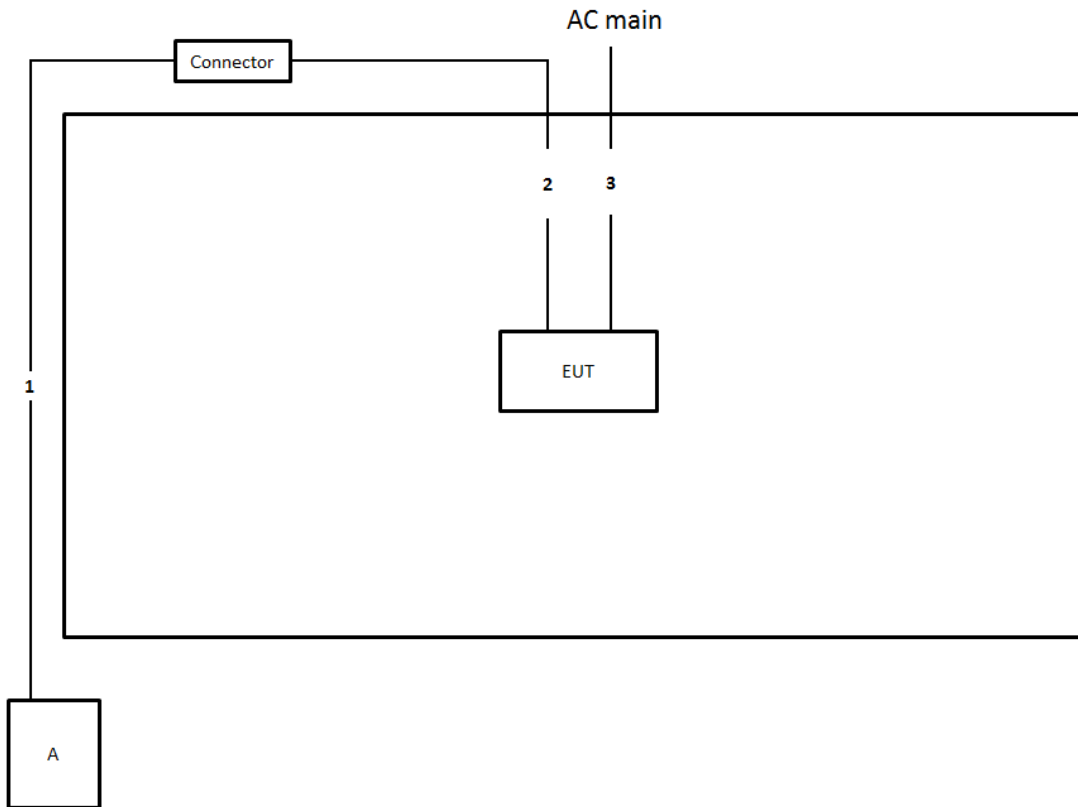


**Test Setup Diagram - Radiated Test < 1GHz**



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

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



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	RJ-45 cable	No	1.5m
3	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.

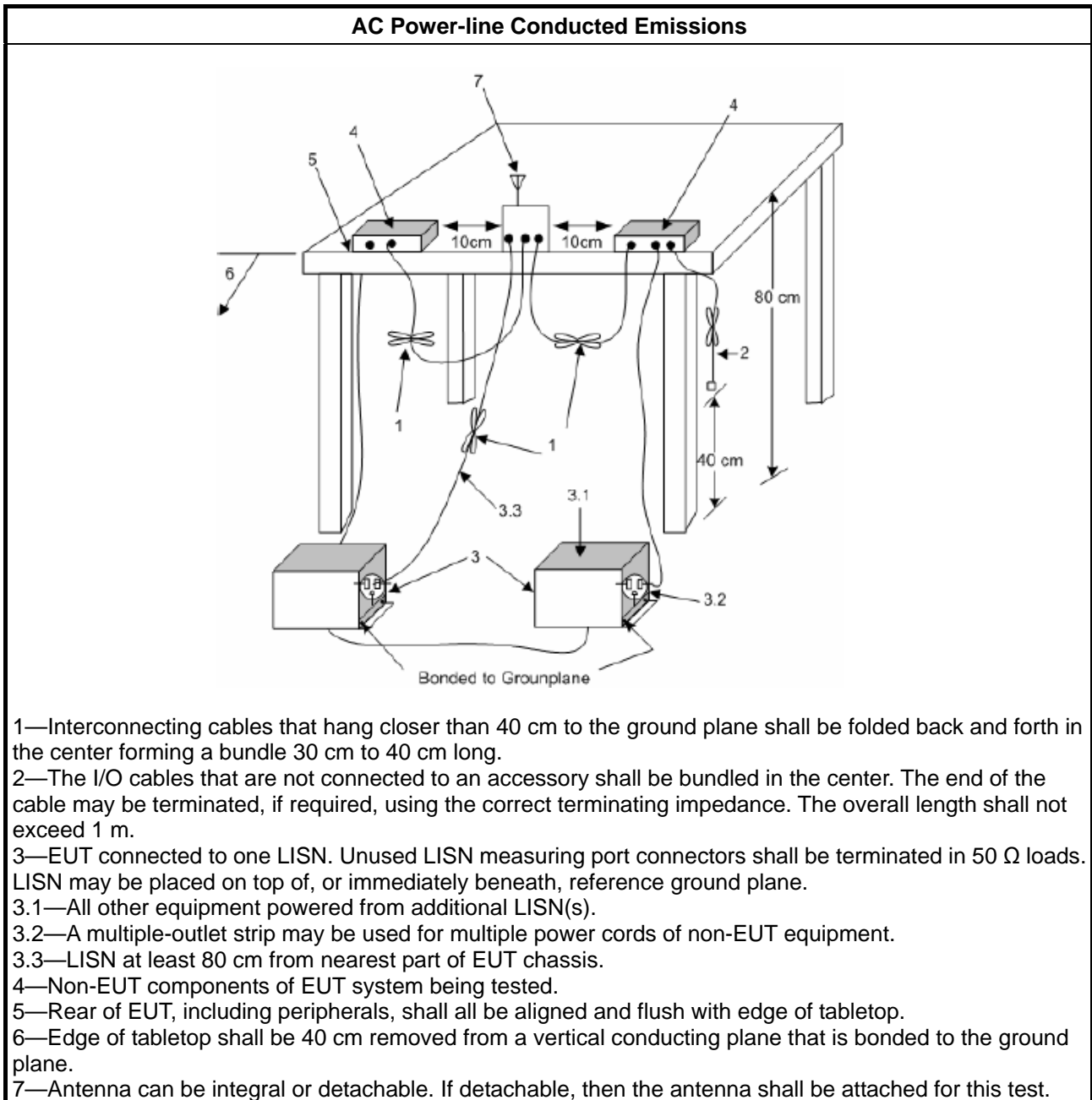
##### 3.1.2 Measuring Instruments

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 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

### 3.1.6 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>

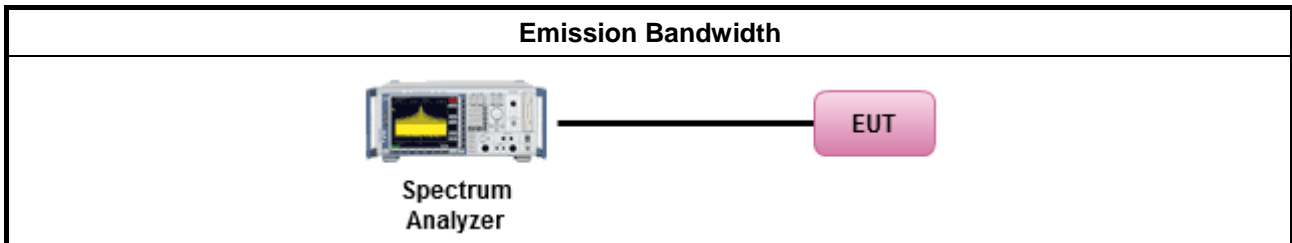
#### 3.2.2 Measuring Instruments

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	
	<ul style="list-style-type: none"> <li>▪ If <math>G_{TX} \leq 6</math> dBi, then <math>P_{Out} \leq 30</math> dBm (1 W)</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Point-to-point systems (P2P): If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Smart antenna system (SAS):</li> </ul>
	<ul style="list-style-type: none"> <li>- Single beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Overlap beam: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3</math> dBm</li> </ul>
	<ul style="list-style-type: none"> <li>- Aggregate power on all beams: If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)/3 + 8</math> dB dBm</li> </ul>
<p><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

#### 3.3.2 Measuring Instruments

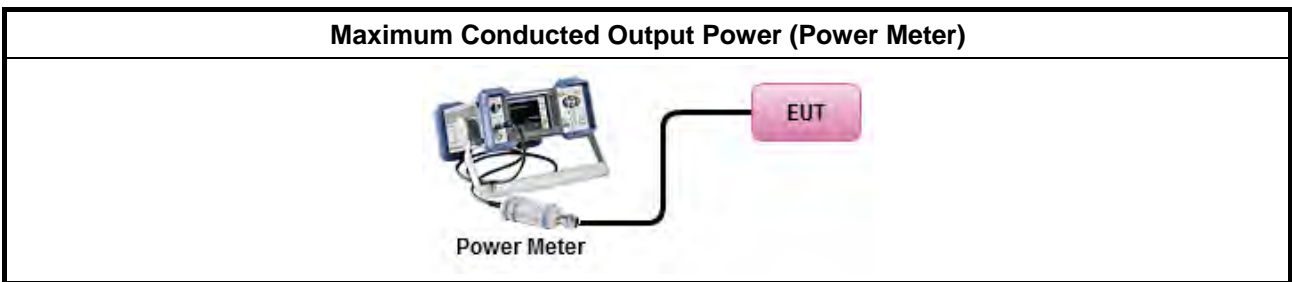
Refer a test equipment and calibration data table in this test report.

#### 3.3.3 Test Procedures

Test Method	
	<ul style="list-style-type: none"> <li>▪ Maximum Peak Conducted Output Power</li> </ul>
	<input type="checkbox"/> Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW $\geq$ 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 $\geq$ 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 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 checked="" 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>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>

**3.3.4 Test Setup**



**3.3.5 Test Result of Maximum Conducted Output Power**

Refer as Appendix C



### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
<ul style="list-style-type: none"> <li>Power Spectral Density (PSD) <math>\leq</math> 8 dBm/3kHz</li> </ul>

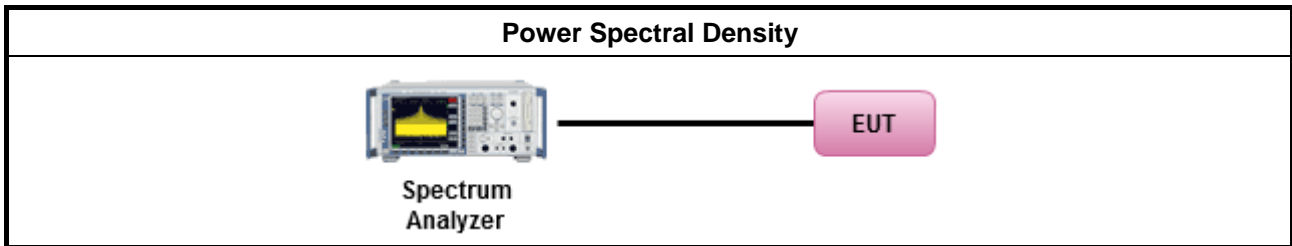
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

Test Method			
<ul style="list-style-type: none"> <li>Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).</li> </ul>			
<input checked="" type="checkbox"/> Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10 Method Max. PSD.			
<ul style="list-style-type: none"> <li>For conducted measurement.             <ul style="list-style-type: none"> <li>If The EUT supports multiple transmit chains using options given below:                 <table border="1"> <tbody> <tr> <td> <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.                 </td> </tr> <tr> <td> <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,                 </td> </tr> <tr> <td> <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.                 </td> </tr> </tbody> </table> </li> </ul> </li> </ul>	<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.
<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

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.

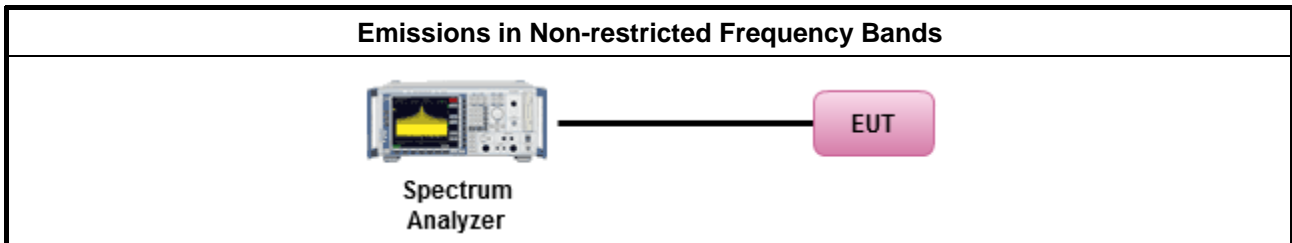
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>Refer as FCC KDB 558074, clause 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

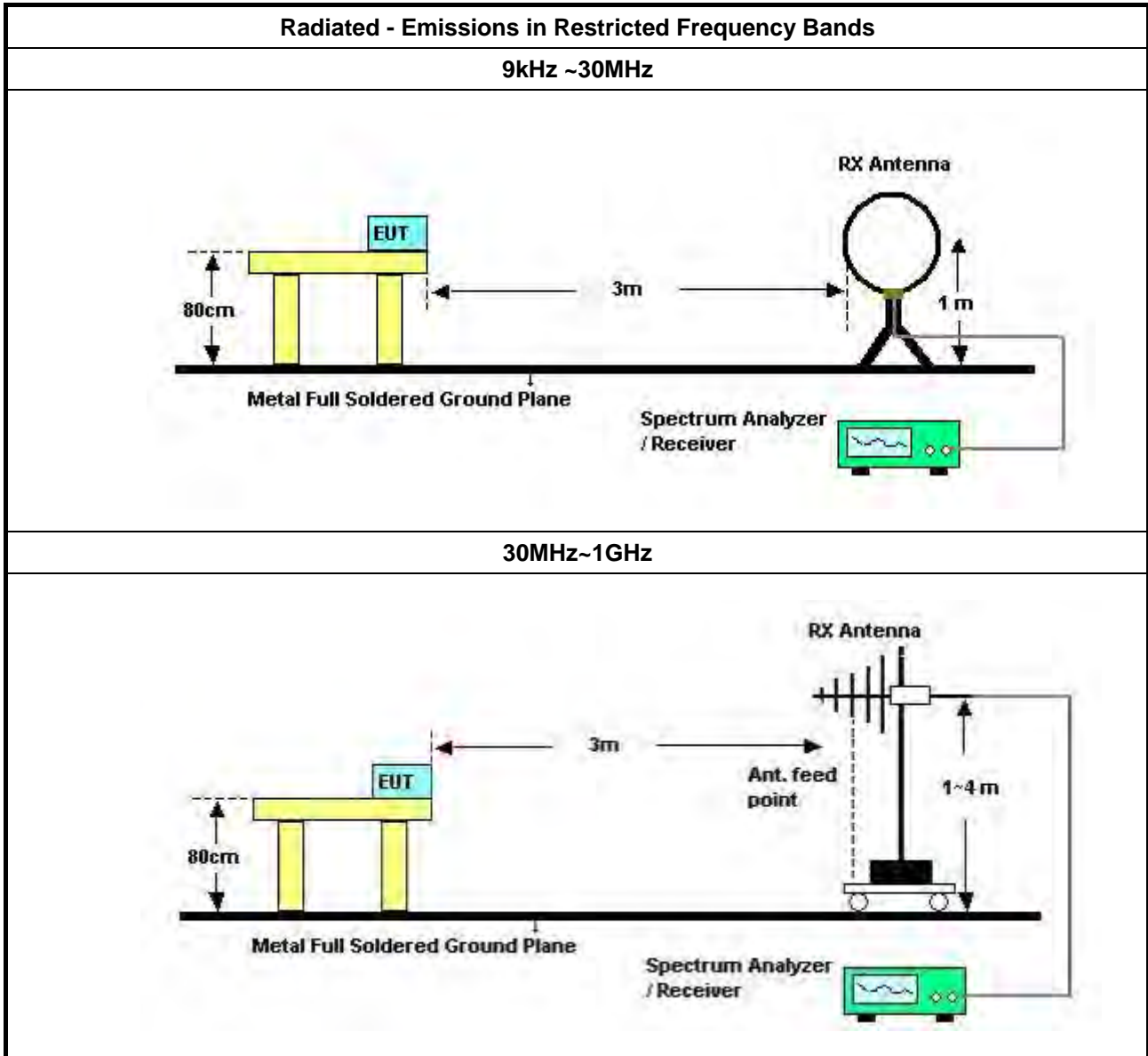
Refer a test equipment and calibration data table in this test report.



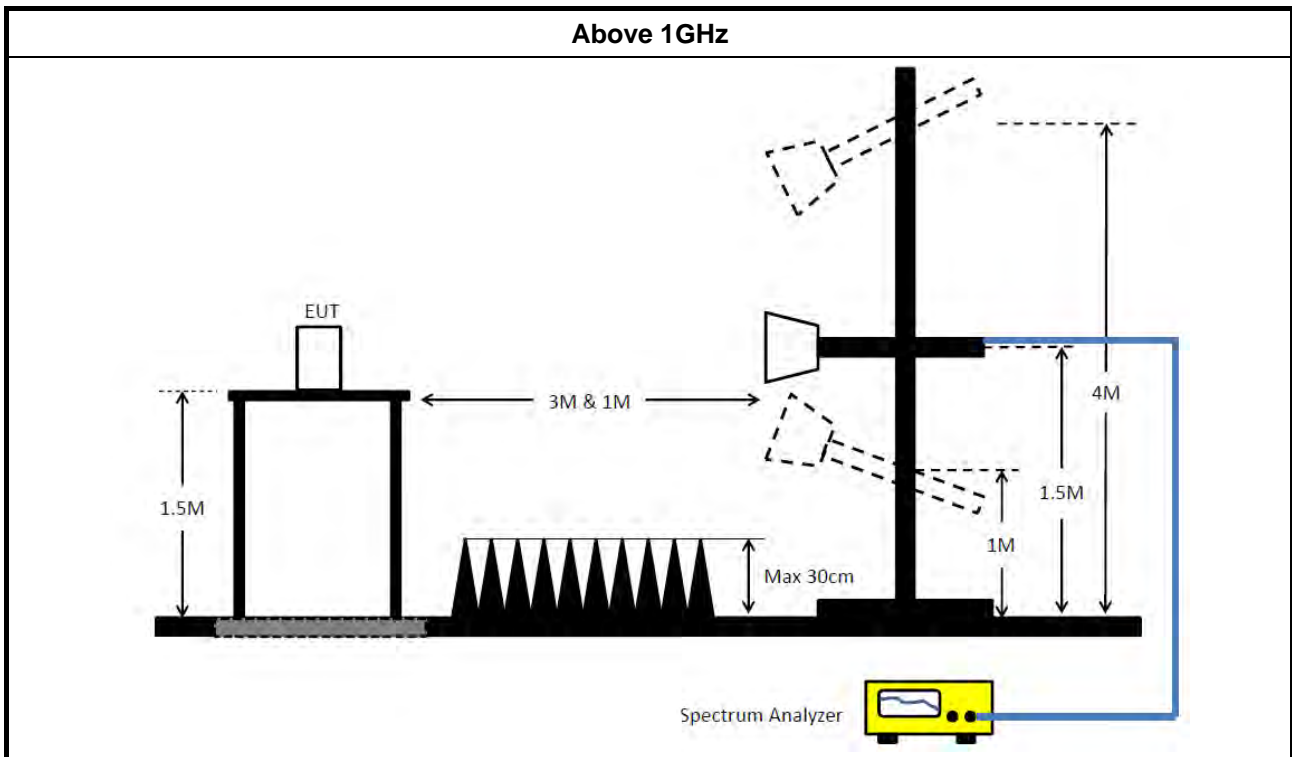
3.6.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.</li> </ul>
	<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.
<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074 clause 8.7 &amp; 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.</li> </ul>

### 3.6.4 Test Setup







### 3.6.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

### 3.6.6 Emissions in Restricted Frequency Bands (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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 10th harmonic or 40 GHz, whichever is appropriate.

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

Refer as Appendix F



## 4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 26, 2020	Feb. 25, 2021	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 25, 2019	Dec. 24, 2020	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Feb. 25, 2020	Feb. 24, 2021	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Jan. 31, 2020	Jan. 30, 2021	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 20, 2020	May 19, 2021	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 28, 2020	Jan. 27, 2021	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 13, 2020	Apr. 12, 2021	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 28, 2020	Feb. 27, 2021	Radiation (03CH01-CB)
Pre-Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	Jul. 03, 2020	Jun. 02, 2021	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	Apr. 16, 2020	Apr. 15, 2021	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 13, 2020	May 12, 2021	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 28, 2020	Mar. 27, 2021	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 21, 2020	Apr. 20, 2021	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Jul. 21, 2020	Jul. 20, 2021	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 13, 2020	Jul. 12, 2021	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-H G	1864479	18GHz ~ 40GHz	Jul. 08, 2020	Jul. 07, 2021	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	May 12, 2020	May 11, 2021	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
High Cable	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 05, 2020	Oct. 04, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 16, 2020	Jul. 15, 2021	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 05, 2020	May 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 05, 2020	Oct. 04, 2021	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 18, 2019	Nov. 17, 2020	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 07, 2020	Feb. 06, 2021	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.  
NCR means Non-Calibration required.



## AC Power Port Conducted Emission Result

Appendix A

### Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	537k	33.18	46.00	-12.82	Neutral

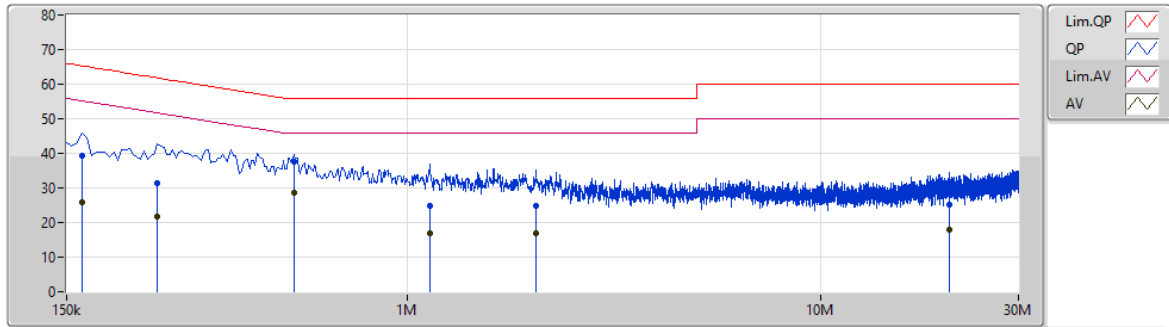


# AC Power Port Conducted Emission Result

Appendix A

## Mode 1

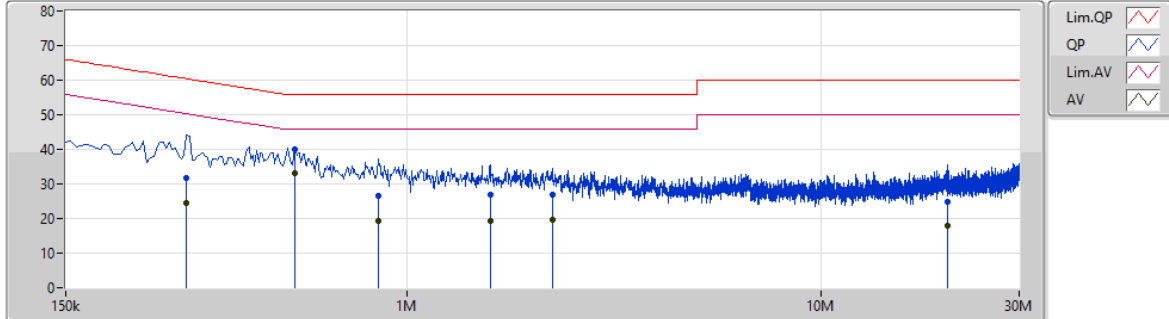
30/10/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	163.5k	39.28	65.27	-25.99	9.89	Line	-	29.39	0.05	0.03	9.81
AV	163.5k	25.79	55.27	-29.48	9.89	Line	-	15.90	0.05	0.03	9.81
QP	249k	31.25	61.79	-30.54	9.89	Line	-	21.36	0.04	0.03	9.82
AV	249k	21.86	51.79	-29.93	9.89	Line	-	11.97	0.04	0.03	9.82
QP	532.5k	37.54	56.00	-18.46	9.90	Line	-	27.64	0.04	0.03	9.83
AV	532.5k	28.78	46.00	-17.22	9.90	Line	"Worst"	18.88	0.04	0.03	9.83
QP	1.131M	24.71	56.00	-31.29	9.94	Line	-	14.77	0.05	0.05	9.84
AV	1.131M	16.77	46.00	-29.23	9.94	Line	-	6.83	0.05	0.05	9.84
QP	2.045M	24.90	56.00	-31.10	9.99	Line	-	14.91	0.06	0.07	9.86
AV	2.045M	16.96	46.00	-29.04	9.99	Line	-	6.97	0.06	0.07	9.86
QP	20.445M	25.06	60.00	-34.94	10.57	Line	-	14.49	0.24	0.33	10.00
AV	20.445M	17.95	50.00	-32.05	10.57	Line	-	7.38	0.24	0.33	10.00

## Mode 1

30/10/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	294k	31.72	60.42	-28.70	9.90	Neutral	-	21.82	0.04	0.03	9.83
AV	294k	24.63	50.42	-25.79	9.90	Neutral	-	14.73	0.04	0.03	9.83
QP	537k	39.92	56.00	-16.08	9.91	Neutral	-	30.01	0.05	0.03	9.83
AV	537k	33.18	46.00	-12.82	9.91	Neutral	"Worst"	23.27	0.05	0.03	9.83
QP	852k	26.44	56.00	-29.56	9.93	Neutral	-	16.51	0.06	0.04	9.83
AV	852k	19.24	46.00	-26.76	9.93	Neutral	-	9.31	0.06	0.04	9.83
QP	1.586M	26.92	56.00	-29.08	9.98	Neutral	-	16.94	0.07	0.06	9.85
AV	1.586M	19.14	46.00	-26.86	9.98	Neutral	-	9.16	0.07	0.06	9.85
QP	2.243M	26.99	56.00	-29.01	10.01	Neutral	-	16.98	0.07	0.08	9.86
AV	2.243M	19.63	46.00	-26.37	10.01	Neutral	-	9.62	0.07	0.08	9.86
QP	20.121M	25.00	60.00	-35.00	10.54	Neutral	-	14.46	0.21	0.33	10.00
AV	20.121M	17.96	50.00	-32.04	10.54	Neutral	-	7.42	0.21	0.33	10.00



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	8.05M	12.944M	12M9G1D	7.975M	12.794M
802.11g_Nss1,(6Mbps)_2TX	16.35M	18.416M	18M4D1D	16.3M	16.617M
VHT20_Nss1,(MCS0)_2TX	17.6M	19.265M	19M3D1D	17.55M	17.816M
VHT40_Nss1,(MCS0)_2TX	36.35M	36.782M	36M8D1D	36.1M	36.532M

**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	8.05M	12.819M	7.975M	12.794M
2437MHz	Pass	500k	8M	12.894M	8.025M	12.894M
2462MHz	Pass	500k	8.05M	12.944M	8.025M	12.919M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.792M	16.35M	16.717M
2437MHz	Pass	500k	16.3M	18.416M	16.3M	18.091M
2462MHz	Pass	500k	16.325M	16.692M	16.35M	16.617M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	17.866M	17.6M	17.841M
2437MHz	Pass	500k	17.55M	19.265M	17.575M	18.916M
2462MHz	Pass	500k	17.575M	17.841M	17.6M	17.816M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	36.732M	36.35M	36.582M
2437MHz	Pass	500k	36.3M	36.782M	36.3M	36.782M
2452MHz	Pass	500k	36.35M	36.682M	36.1M	36.532M

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



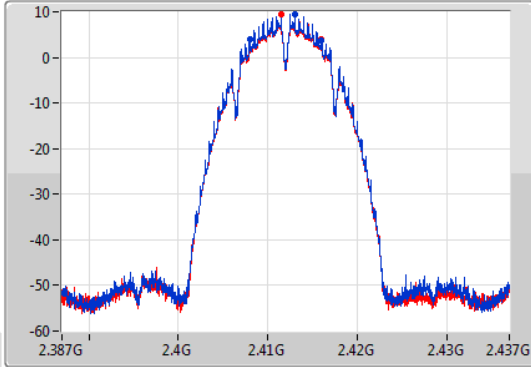
### 802.11b\_Nss1,(1Mbps)\_2TX

EBW

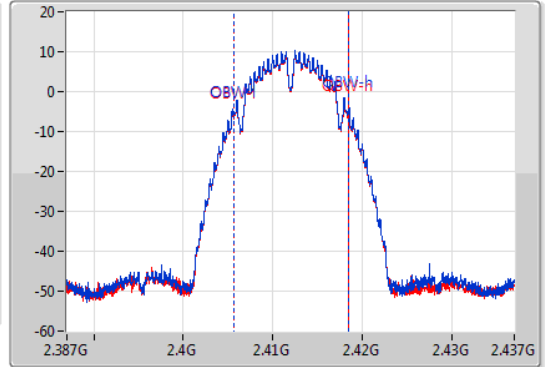
2412MHz

11/09/2020

CF  
2.412GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.412GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.407975G	2.416025G	12.819M	2.405653G	2.418472G	500k	1
7.975M	2.408G	2.415975G	12.794M	2.405653G	2.418447G	500k	2

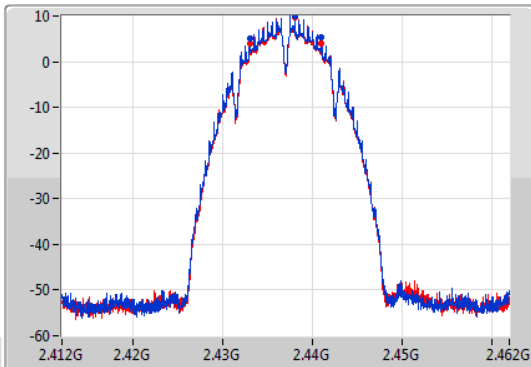
### 802.11b\_Nss1,(1Mbps)\_2TX

EBW

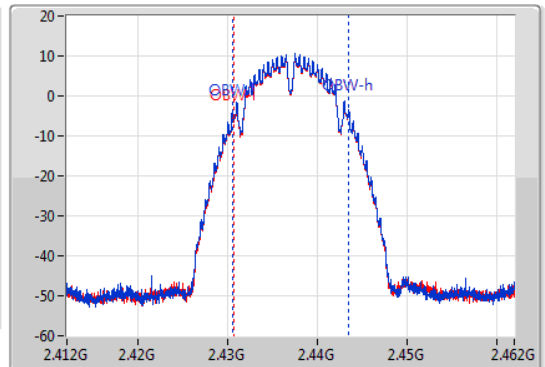
2437MHz

11/09/2020

CF  
2.437GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.437GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.433025G	2.441025G	12.894M	2.430578G	2.443472G	500k	1
8.025M	2.433G	2.441025G	12.894M	2.430603G	2.443497G	500k	2

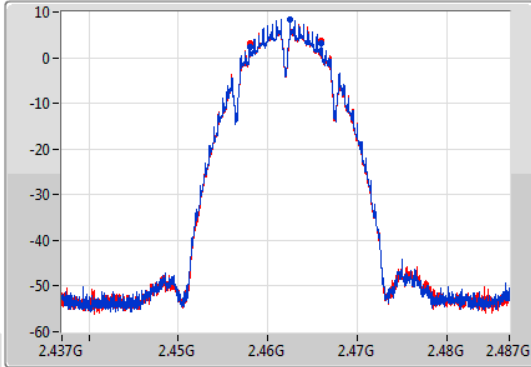
### 802.11b\_Nss1,(1Mbps)\_2TX

EBW

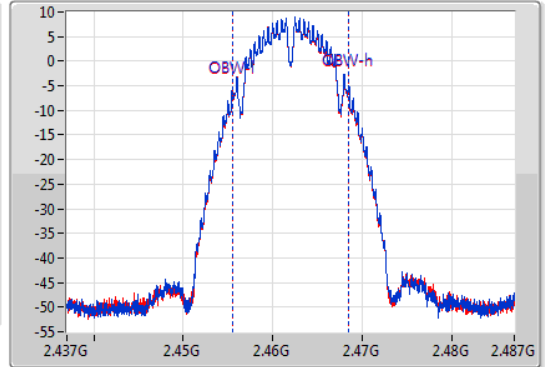
2462MHz

11/09/2020

CF  
2.462GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.462GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.457975G	2.466025G	12.944M	2.455578G	2.468522G	500k	1
8.025M	2.457975G	2.466G	12.919M	2.455578G	2.468497G	500k	2

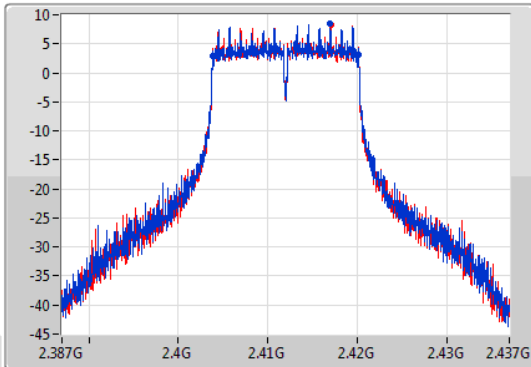
### 802.11g\_Nss1,(6Mbps)\_2TX

EBW

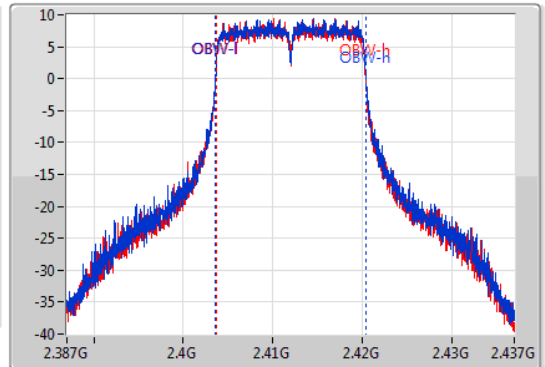
2412MHz

11/09/2020

CF  
2.412GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.412GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.40385G	2.420175G	16.792M	2.403629G	2.420421G	500k	1
16.35M	2.403825G	2.420175G	16.717M	2.403654G	2.420371G	500k	2

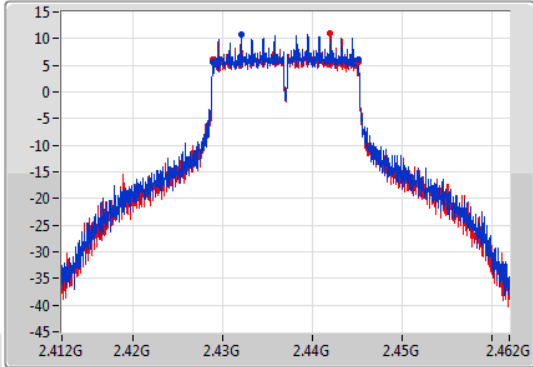
### 802.11g\_Nss1,(6Mbps)\_2TX

EBW

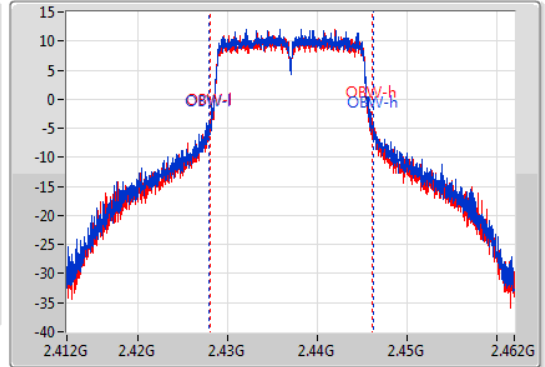
2437MHz

11/09/2020

CF  
2.437GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.437GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	18.416M	2.42783G	2.446245G	500k	1
16.3M	2.42885G	2.44515G	18.091M	2.428029G	2.44612G	500k	2

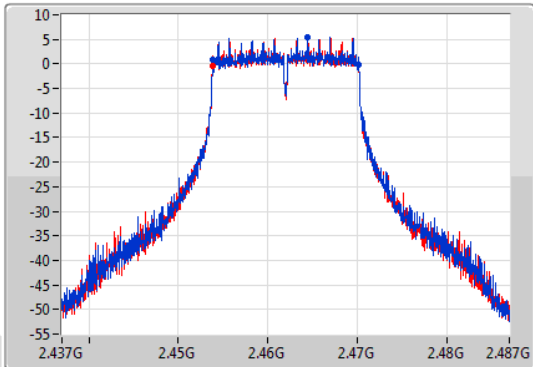
### 802.11g\_Nss1,(6Mbps)\_2TX

EBW

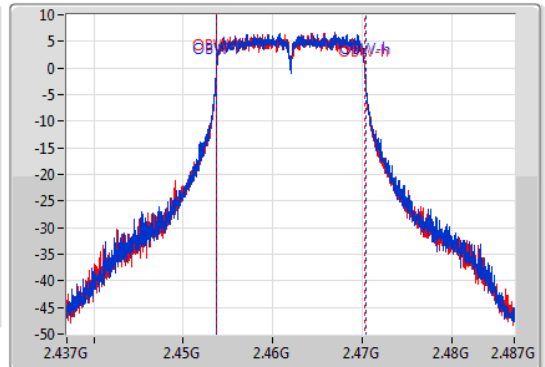
2462MHz

11/09/2020

CF  
2.462GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.462GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.45385G	2.470175G	16.692M	2.453679G	2.470371G	500k	1
16.35M	2.453825G	2.470175G	16.617M	2.453704G	2.470321G	500k	2

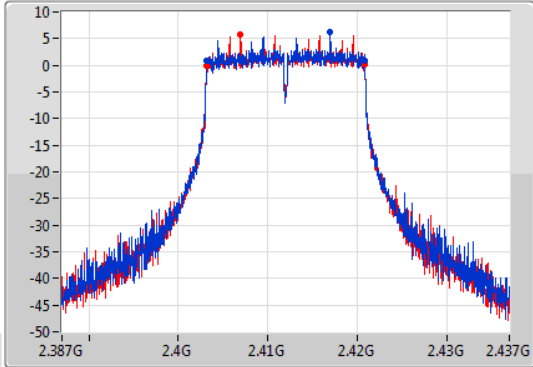
VHT20\_Nss1,(MCS0)\_2TX

EBW

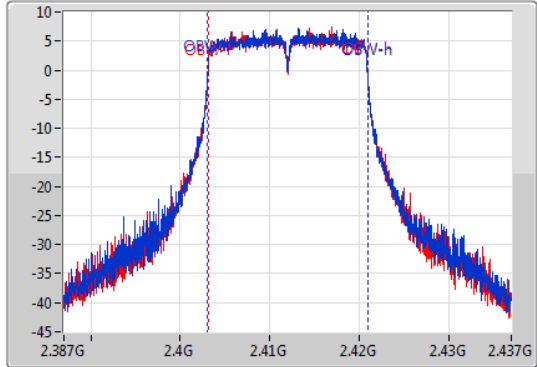
2412MHz

11/09/2020

CF  
2.412GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.412GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.403225G	2.4208G	17.866M	2.403079G	2.420946G	500k	1
17.6M	2.4032G	2.4208G	17.841M	2.403104G	2.420946G	500k	2

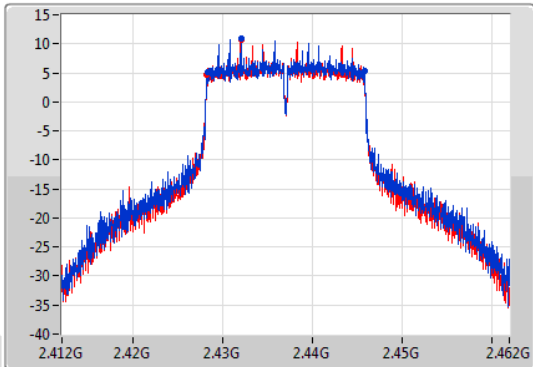
VHT20\_Nss1,(MCS0)\_2TX

EBW

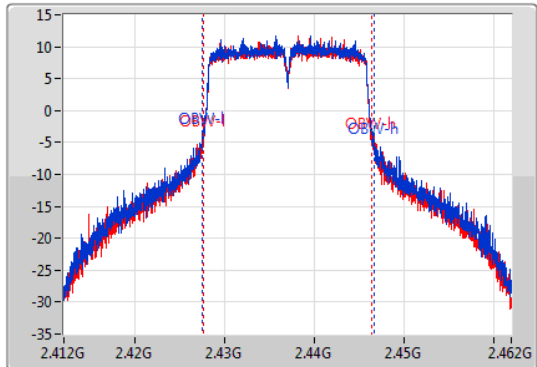
2437MHz

11/09/2020

CF  
2.437GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
2.437GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.42825G	2.4458G	19.265M	2.42743G	2.446695G	500k	1
17.575M	2.428225G	2.4458G	18.916M	2.427555G	2.44647G	500k	2

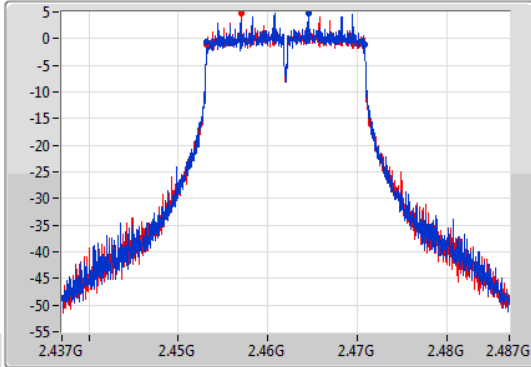
### VHT20\_Nss1,(MCS0)\_2TX

EBW

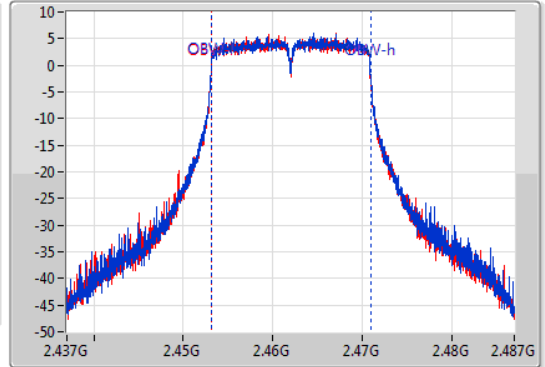
2462MHz

11/09/2020

CF  
2.462GHz  
Span  
50MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1  
Port 2



CF  
2.462GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.453225G	2.4708G	17.841M	2.453104G	2.470946G	500k	1
17.6M	2.4532G	2.4708G	17.816M	2.453104G	2.470921G	500k	2

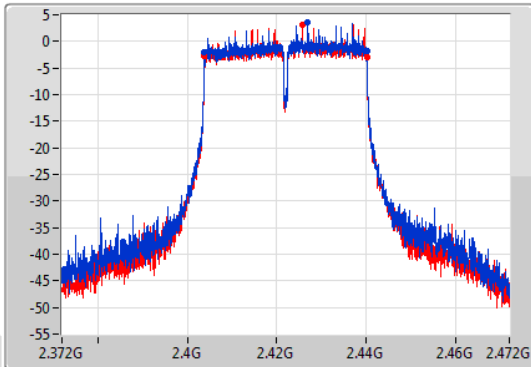
### VHT40\_Nss1,(MCS0)\_2TX

EBW

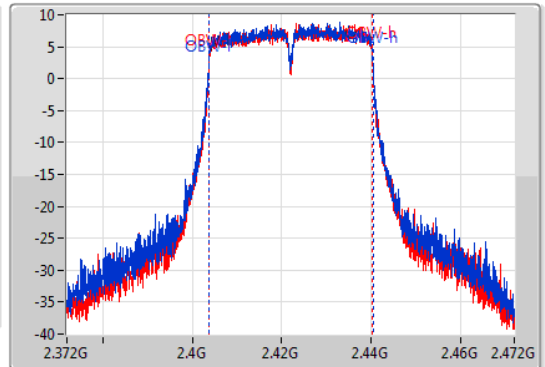
2422MHz

11/09/2020

CF  
2.422GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1  
Port 2



CF  
2.422GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.40385G	2.44015G	36.732M	2.403659G	2.440391G	500k	1
36.35M	2.40385G	2.4402G	36.582M	2.403759G	2.440341G	500k	2

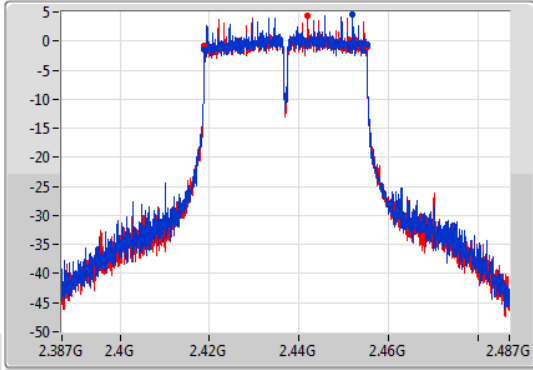
VHT40\_Nss1,(MCS0)\_2TX

EBW

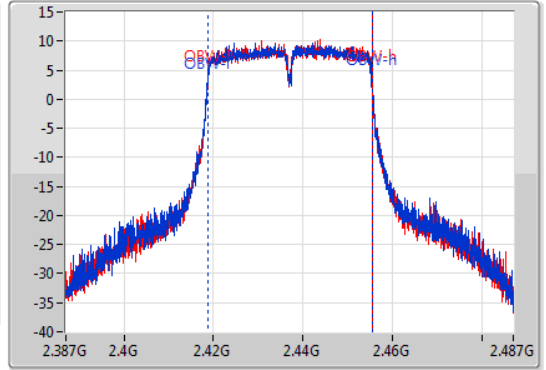
2437MHz

11/09/2020

CF  
2.437GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1  
Port 2



CF  
2.437GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.41885G	2.45515G	36.782M	2.418659G	2.455441G	500k	1
36.3M	2.41885G	2.45515G	36.782M	2.418659G	2.455441G	500k	2

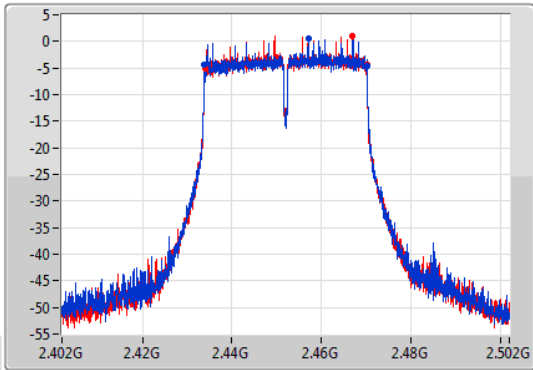
VHT40\_Nss1,(MCS0)\_2TX

EBW

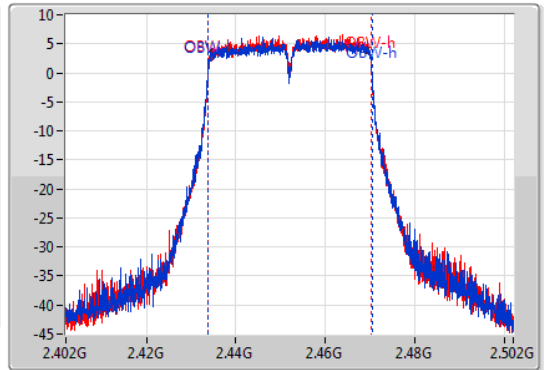
2452MHz

11/09/2020

CF  
2.452GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak  
Port 1  
Port 2



CF  
2.452GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.43385G	2.4702G	36.682M	2.433709G	2.470391G	500k	1
36.1M	2.4341G	2.4702G	36.532M	2.433809G	2.470341G	500k	2



**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.27	0.13397
802.11g_Nss1,(6Mbps)_2TX	25.01	0.31696
VHT20_Nss1,(MCS0)_2TX	24.84	0.30479
VHT40_Nss1,(MCS0)_2TX	21.83	0.15241



**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.70	18.22	17.85	21.05	30.00
2437MHz	Pass	3.70	18.43	18.09	21.27	30.00
2462MHz	Pass	3.70	16.87	16.73	19.81	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.70	19.83	19.71	22.78	30.00
2437MHz	Pass	3.70	22.05	21.94	25.01	30.00
2457MHz	Pass	3.70	20.73	20.25	23.51	30.00
2462MHz	Pass	3.70	17.22	17.05	20.15	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.70	17.74	17.65	20.71	30.00
2417MHz	Pass	3.70	21.69	21.62	24.67	30.00
2437MHz	Pass	3.70	21.86	21.79	24.84	30.00
2457MHz	Pass	3.70	21.35	20.92	24.15	30.00
2462MHz	Pass	3.70	16.47	16.36	19.43	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.70	17.79	17.46	20.64	30.00
2437MHz	Pass	3.70	18.91	18.73	21.83	30.00
2447MHz	Pass	3.70	16.26	16.63	19.46	30.00
2452MHz	Pass	3.70	15.54	15.26	18.41	30.00

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





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-2.82
802.11g_Nss1,(6Mbps)_2TX	-2.32
VHT20_Nss1,(MCS0)_2TX	-2.61
VHT40_Nss1,(MCS0)_2TX	-7.94

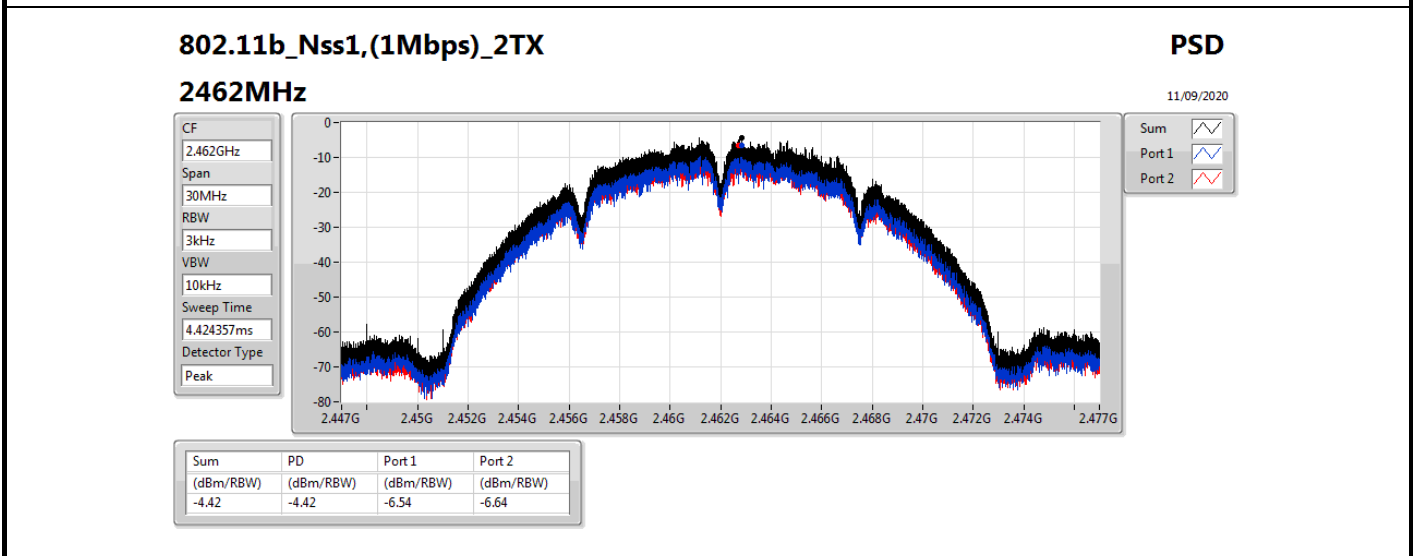
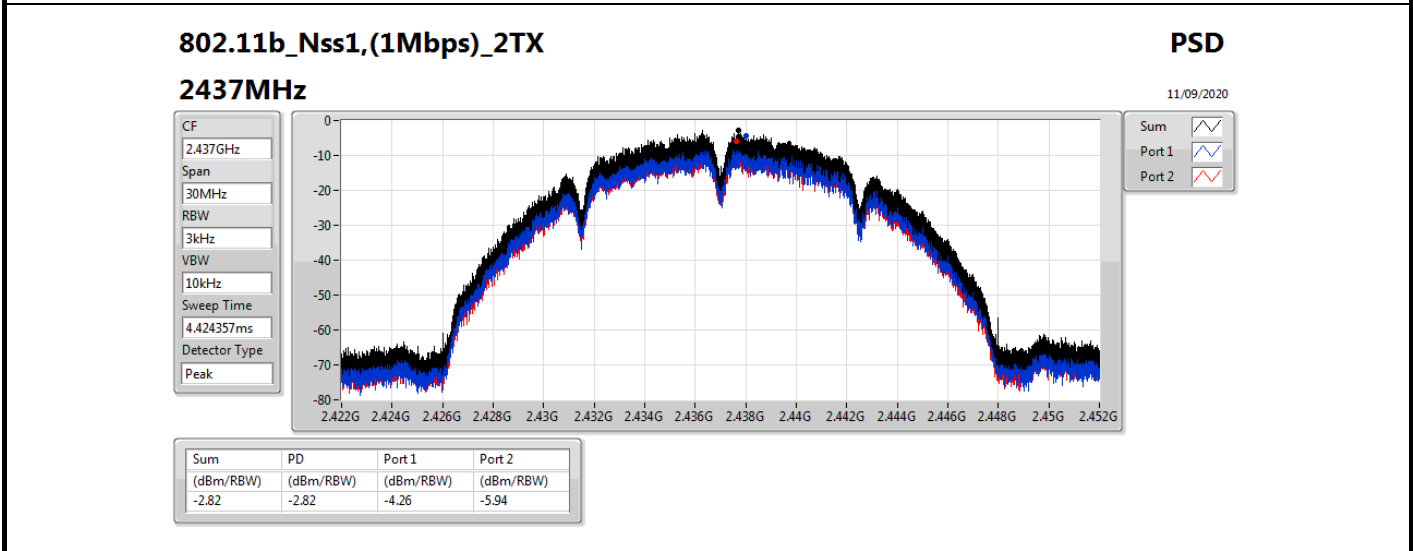
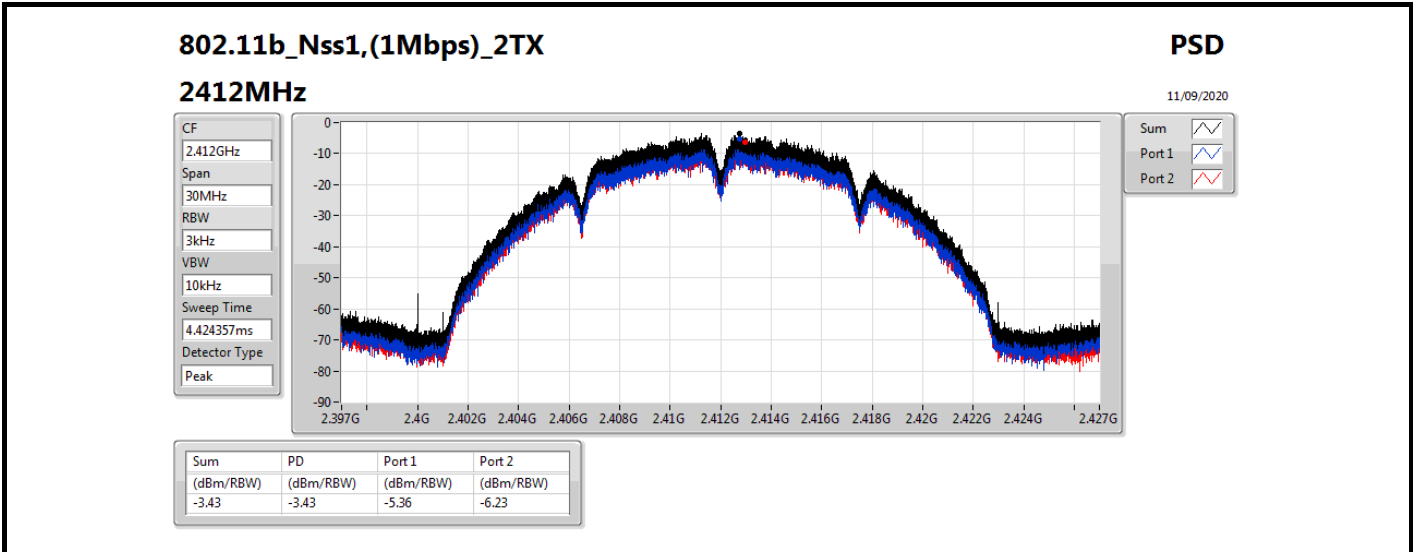
RBW = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

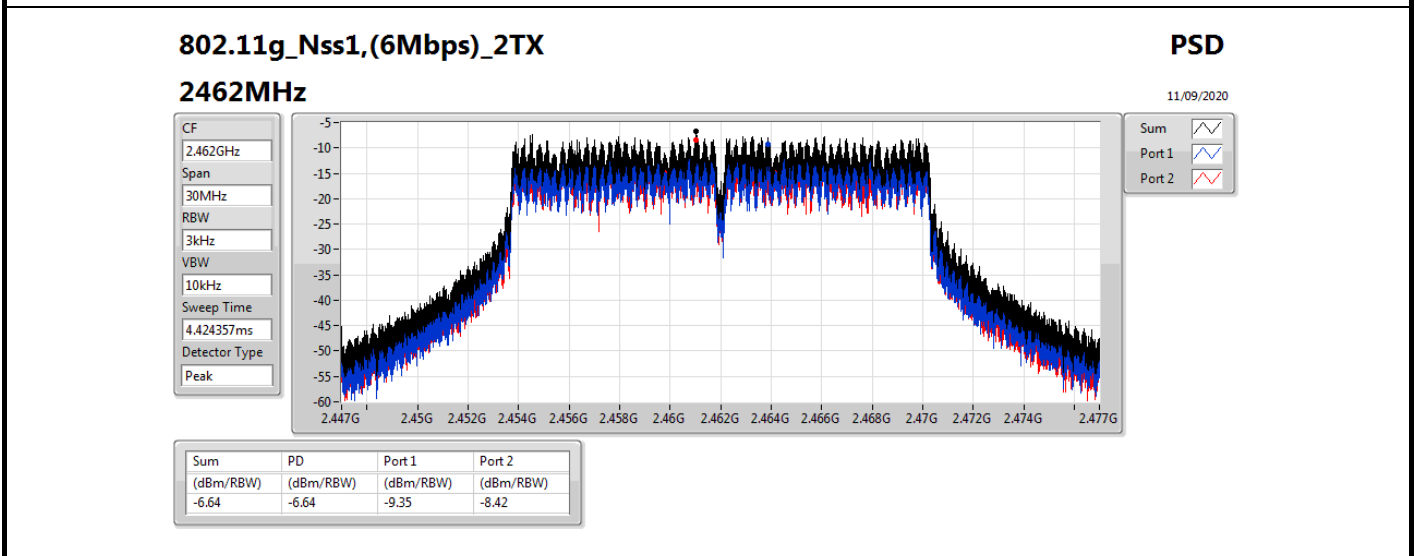
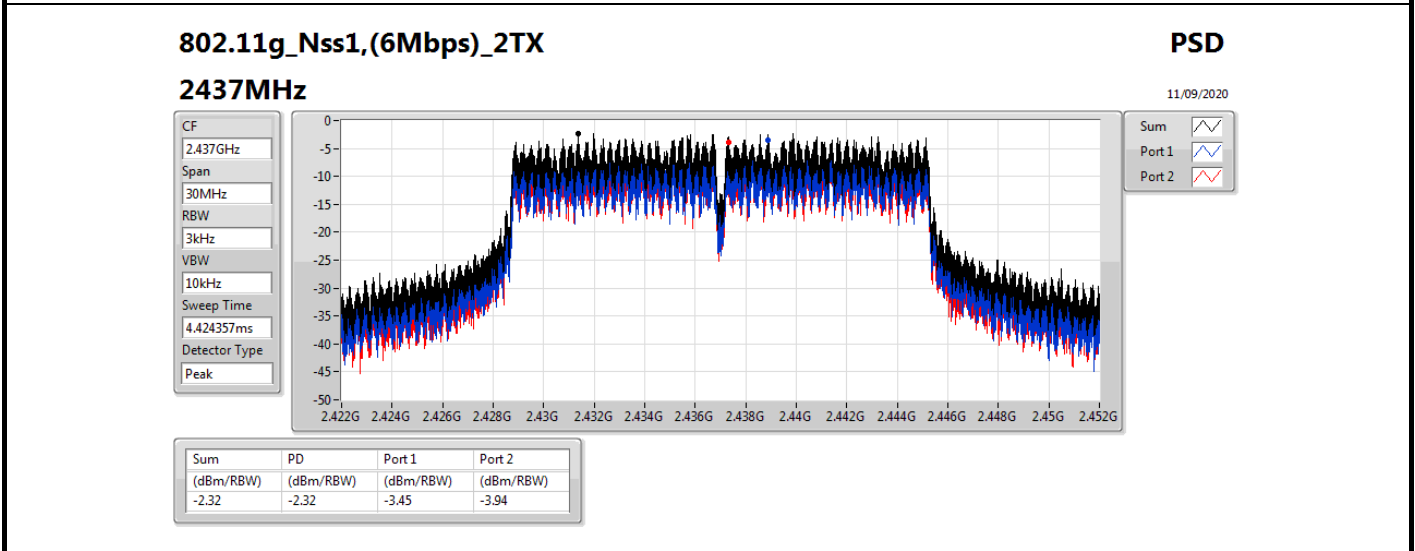
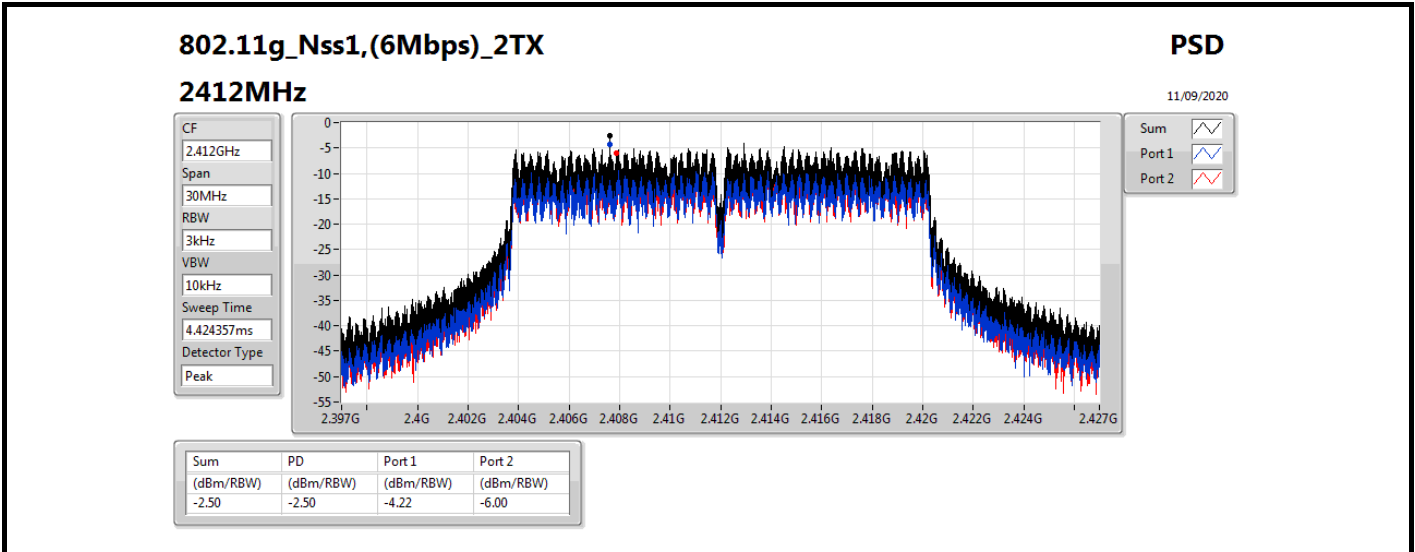
**Result**

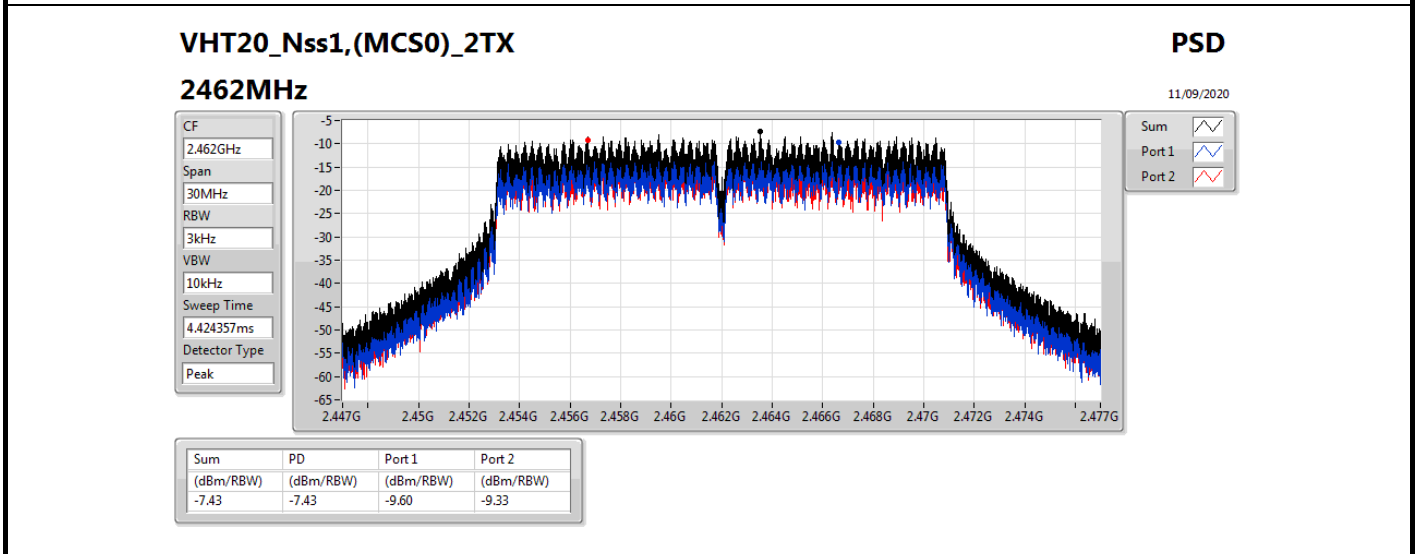
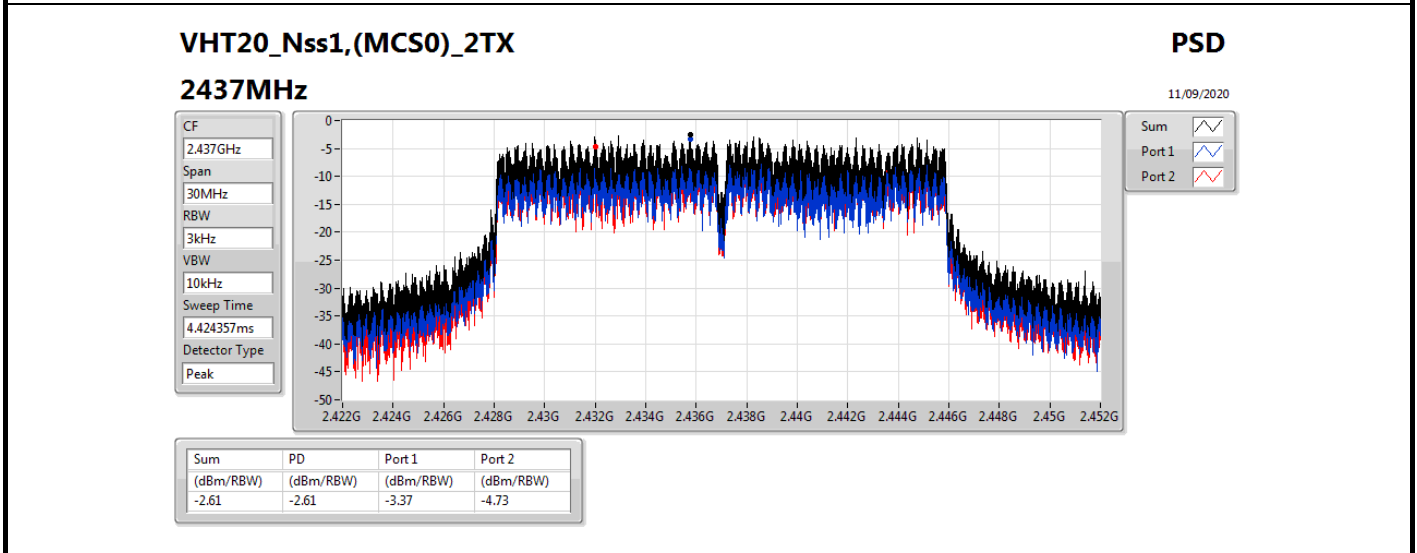
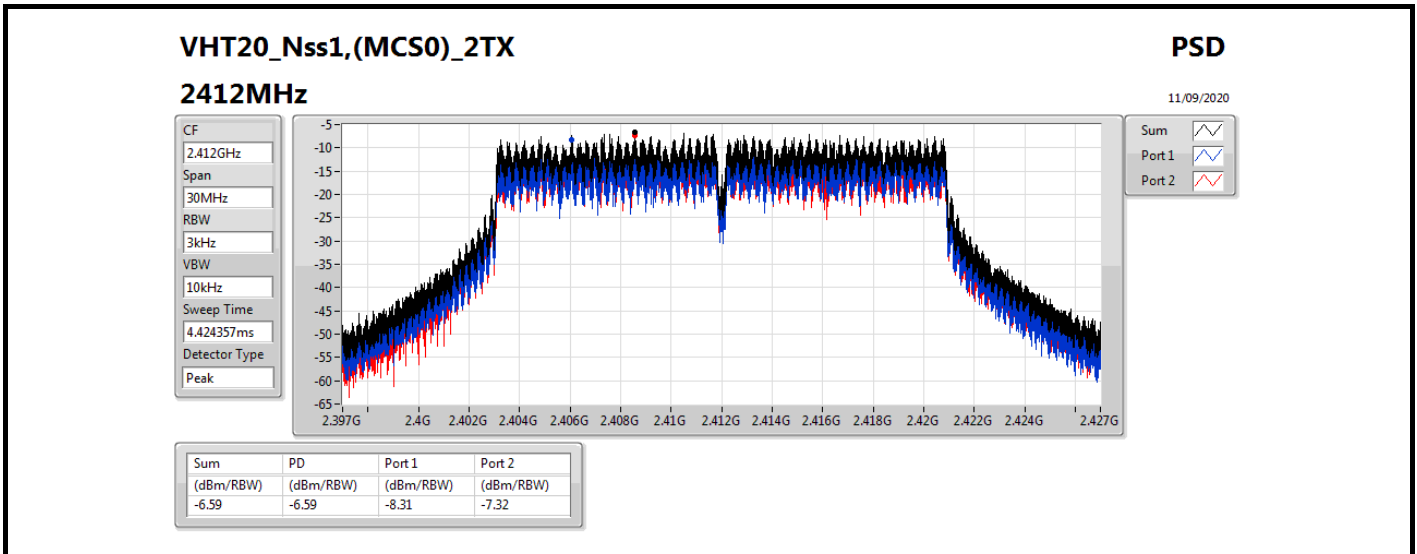
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.27	-5.36	-6.23	-3.43	7.73
2437MHz	Pass	6.27	-4.26	-5.94	-2.82	7.73
2462MHz	Pass	6.27	-6.54	-6.64	-4.42	7.73
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.27	-4.22	-6.00	-2.50	7.73
2437MHz	Pass	6.27	-3.45	-3.94	-2.32	7.73
2462MHz	Pass	6.27	-9.35	-8.42	-6.64	7.73
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.27	-8.31	-7.32	-6.59	7.73
2437MHz	Pass	6.27	-3.37	-4.73	-2.61	7.73
2462MHz	Pass	6.27	-9.60	-9.33	-7.43	7.73
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.27	-11.21	-11.41	-8.53	7.73
2437MHz	Pass	6.27	-9.32	-9.46	-7.94	7.73
2452MHz	Pass	6.27	-13.33	-12.89	-11.65	7.73

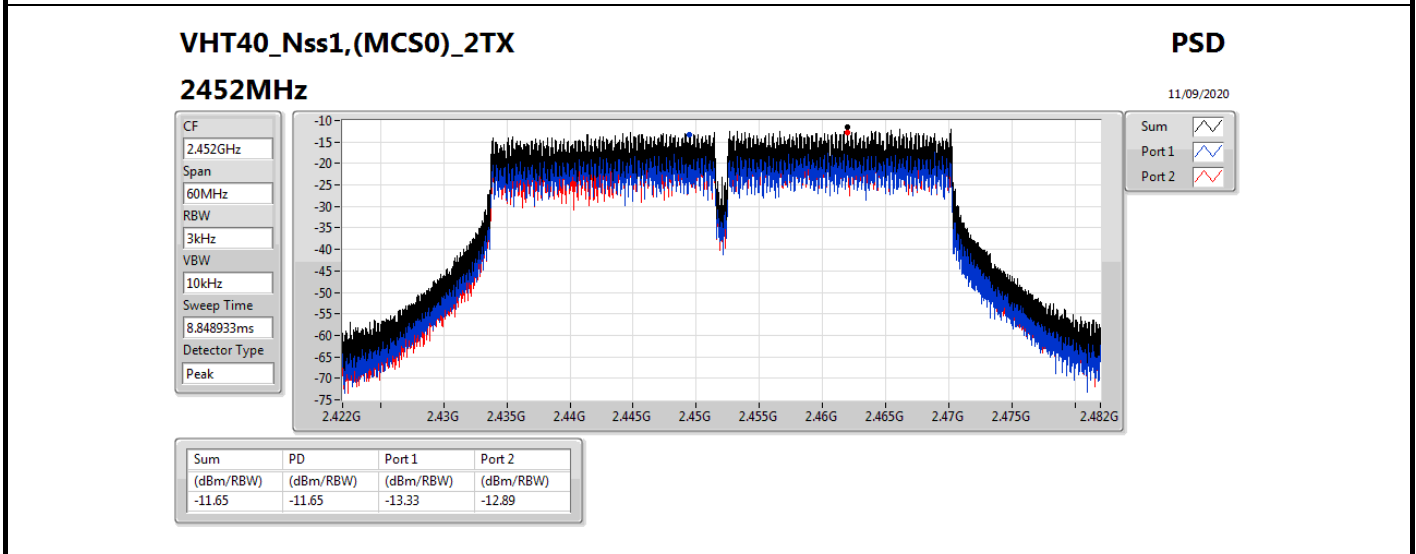
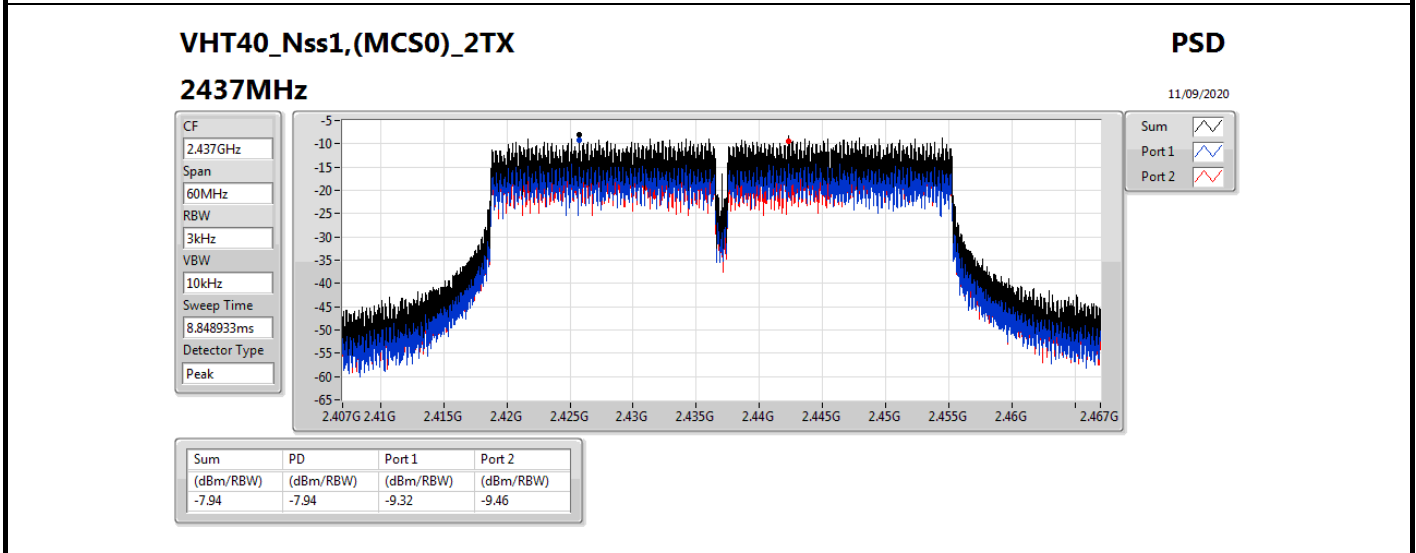
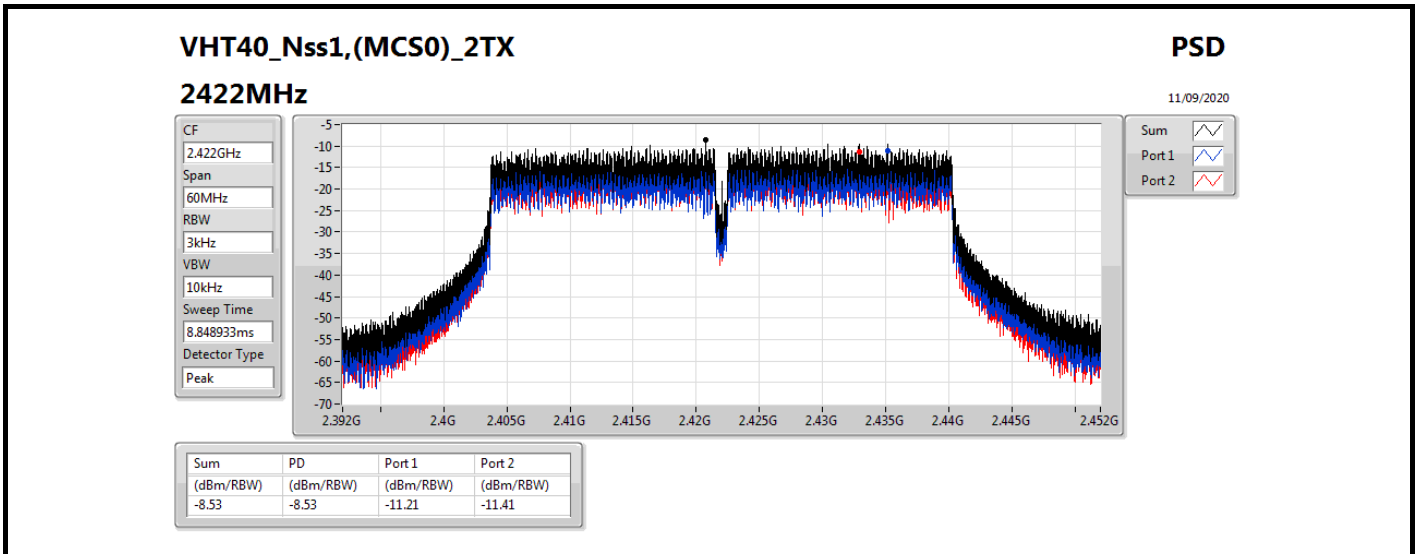
**DG** = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

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











Summary

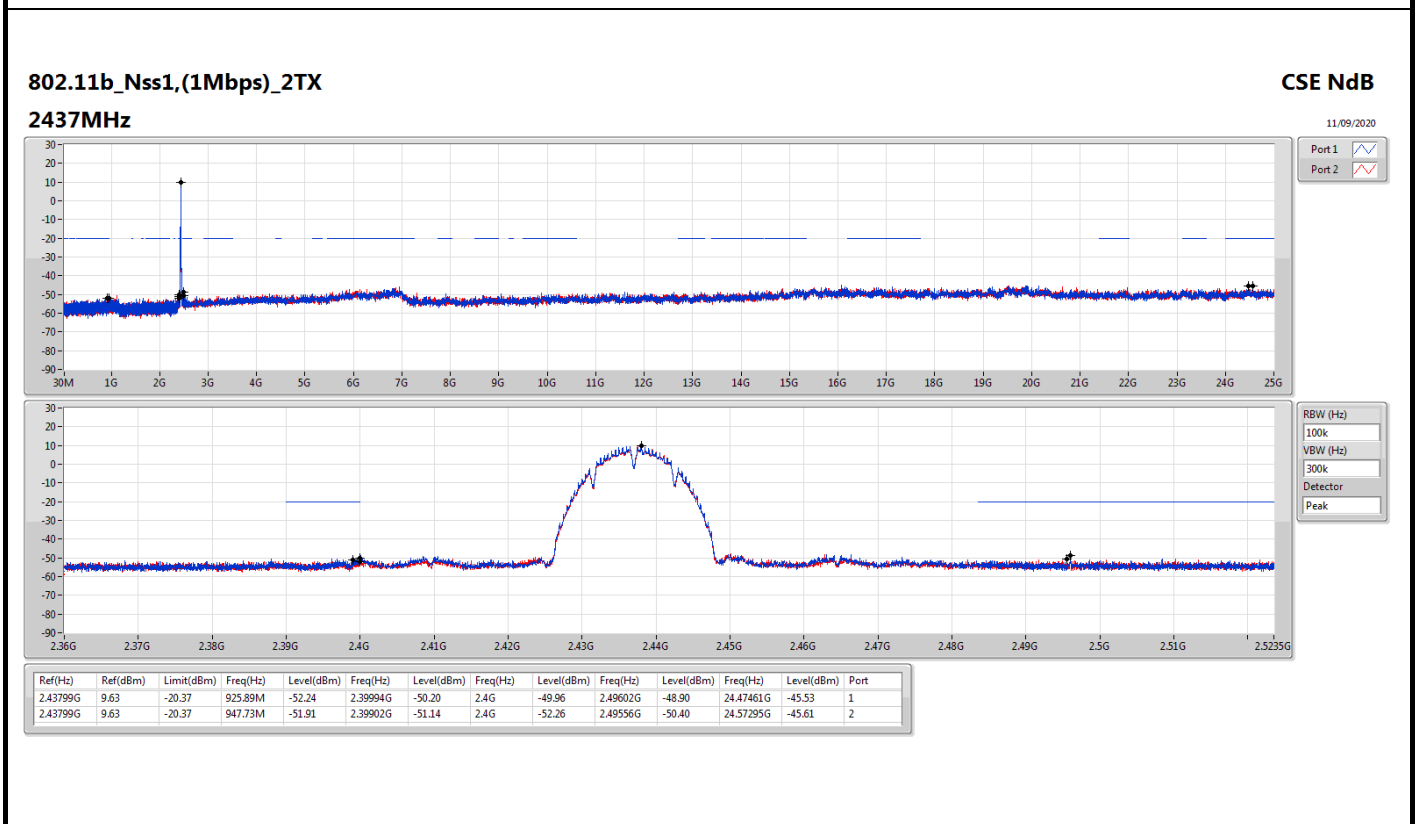
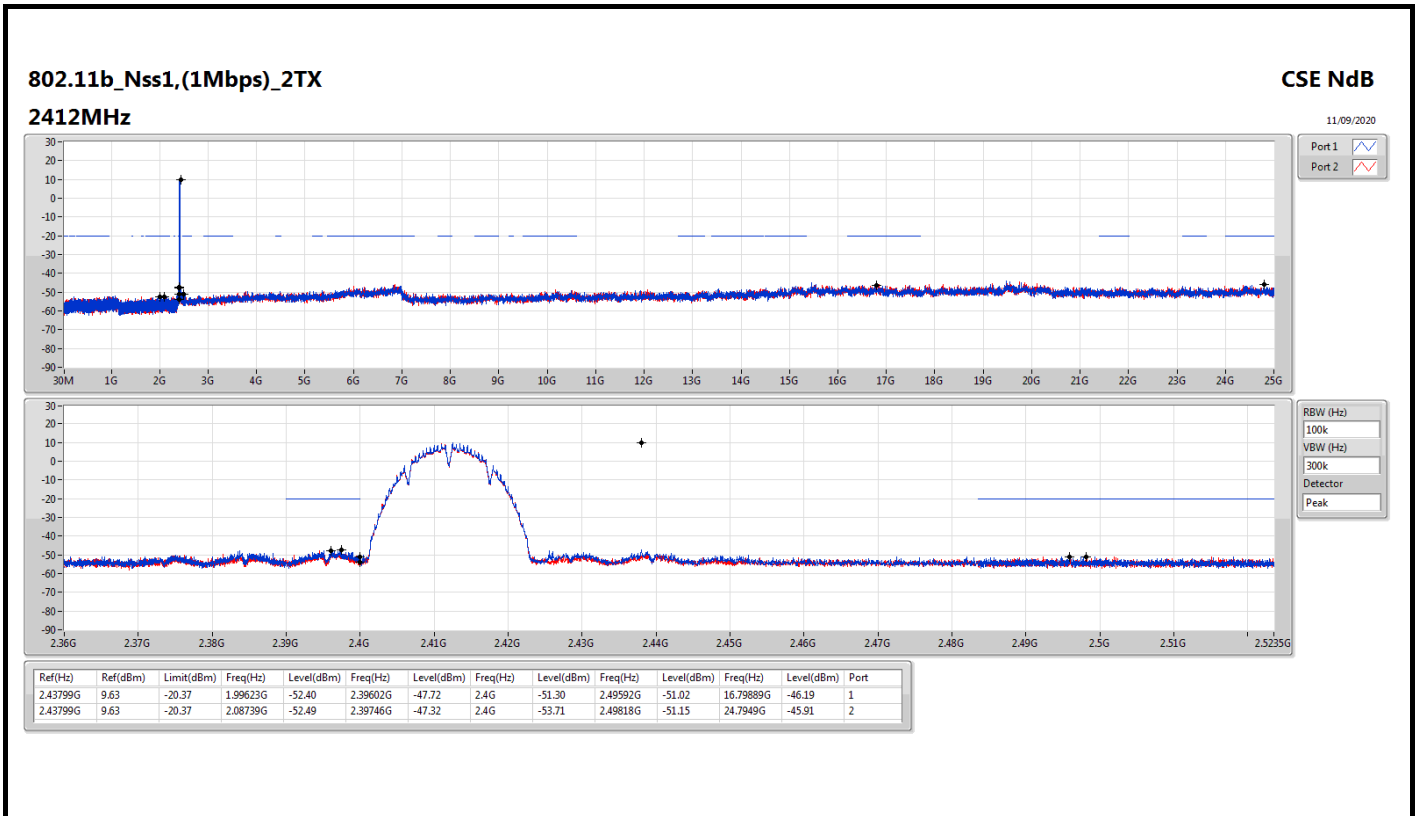
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43799G	9.63	-20.37	2.08739G	-52.49	2.39746G	-47.32	2.4G	-53.71	2.49818G	-51.15	24.7949G	-45.91	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.442G	11.09	-18.91	2.30408G	-50.82	2.39908G	-20.10	2.4G	-21.09	2.496G	-47.75	16.7427G	-46.28	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.442G	10.71	-19.29	902M	-52.21	2.39978G	-23.66	2.4G	-27.43	2.496G	-49.34	24.47742G	-46.09	2
VHT40_Nss1,(MCS0)_2TX	Pass	2.44576G	4.48	-25.52	1.62499G	-52.53	2.39952G	-27.90	2.4G	-36.28	2.4851G	-37.71	17.07431G	-45.33	1



Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43799G	9.63	-20.37	1.99623G	-52.40	2.39602G	-47.72	2.4G	-51.30	2.49592G	-51.02	16.79889G	-46.19	1
2412MHz	Pass	2.43799G	9.63	-20.37	2.08739G	-52.49	2.39746G	-47.32	2.4G	-53.71	2.49818G	-51.15	24.7949G	-45.91	2
2437MHz	Pass	2.43799G	9.63	-20.37	925.89M	-52.24	2.39994G	-50.20	2.4G	-49.96	2.49602G	-48.90	24.47461G	-45.53	1
2437MHz	Pass	2.43799G	9.63	-20.37	947.73M	-51.91	2.39902G	-51.14	2.4G	-52.26	2.49556G	-50.40	24.57295G	-45.61	2
2462MHz	Pass	2.43799G	9.63	-20.37	909.87M	-52.64	2.39448G	-51.93	2.4G	-53.30	2.489G	-48.62	16.75674G	-45.56	1
2462MHz	Pass	2.43799G	9.63	-20.37	941.03M	-51.20	2.39598G	-51.89	2.4835G	-54.42	2.4905G	-50.55	6.70132G	-45.87	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	11.09	-18.91	2.30408G	-50.82	2.39908G	-20.10	2.4G	-21.09	2.496G	-47.75	16.7427G	-46.28	1
2412MHz	Pass	2.442G	11.09	-18.91	587.74M	-52.09	2.39976G	-20.29	2.4G	-21.78	2.49602G	-49.76	6.9317G	-46.19	2
2437MHz	Pass	2.442G	11.09	-18.91	2.07603G	-51.68	2.39986G	-39.34	2.4G	-42.46	2.4842G	-44.73	16.79889G	-46.23	1
2437MHz	Pass	2.442G	11.09	-18.91	2.30583G	-52.55	2.3989G	-41.58	2.4G	-46.02	2.4839G	-46.51	24.82019G	-45.50	2
2462MHz	Pass	2.442G	11.09	-18.91	2.30991G	-51.87	2.4G	-46.92	2.4835G	-43.15	2.48352G	-40.73	6.73784G	-45.78	1
2462MHz	Pass	2.442G	11.09	-18.91	833.27M	-51.11	2.4G	-51.41	2.4835G	-44.29	2.4838G	-40.66	15.14125G	-46.01	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	10.71	-19.29	2.30408G	-51.35	2.3999G	-26.16	2.4G	-27.75	2.496G	-48.61	16.53198G	-45.41	1
2412MHz	Pass	2.442G	10.71	-19.29	902M	-52.21	2.39978G	-23.66	2.4G	-27.43	2.496G	-49.34	24.47742G	-46.09	2
2437MHz	Pass	2.442G	10.71	-19.29	735.7M	-52.28	2.39736G	-38.34	2.4G	-41.33	2.49602G	-46.96	16.75674G	-45.96	1
2437MHz	Pass	2.442G	10.71	-19.29	1.94206G	-51.76	2.39986G	-39.48	2.4G	-43.45	2.4843G	-47.21	17.49004G	-45.76	2
2462MHz	Pass	2.442G	10.71	-19.29	2.14768G	-51.12	2.4G	-47.94	2.4835G	-44.04	2.48356G	-40.21	16.41398G	-46.64	1
2462MHz	Pass	2.442G	10.71	-19.29	874.92M	-52.15	2.39998G	-50.46	2.4835G	-45.11	2.48388G	-41.58	16.8326G	-45.68	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44576G	4.48	-25.52	2.30397G	-49.41	2.39956G	-29.30	2.4G	-29.06	2.49598G	-46.83	6.87411G	-45.76	1
2422MHz	Pass	2.44576G	4.48	-25.52	2.11619G	-52.00	2.4G	-29.94	2.4G	-30.99	2.48946G	-49.01	21.90376G	-46.46	2
2437MHz	Pass	2.44576G	4.48	-25.52	1.62499G	-52.53	2.39952G	-27.90	2.4G	-36.28	2.4851G	-37.71	17.07431G	-45.33	1
2437MHz	Pass	2.44576G	4.48	-25.52	842.09M	-52.21	2.39952G	-30.28	2.4G	-37.94	2.48414G	-38.40	6.90496G	-45.27	2
2452MHz	Pass	2.44576G	4.48	-25.52	491.72M	-51.66	2.39988G	-46.45	2.4835G	-43.02	2.4851G	-38.00	16.4573G	-45.77	1
2452MHz	Pass	2.44576G	4.48	-25.52	953.73M	-52.02	2.39864G	-49.18	2.4835G	-44.42	2.4851G	-39.02	15.17001G	-45.89	2

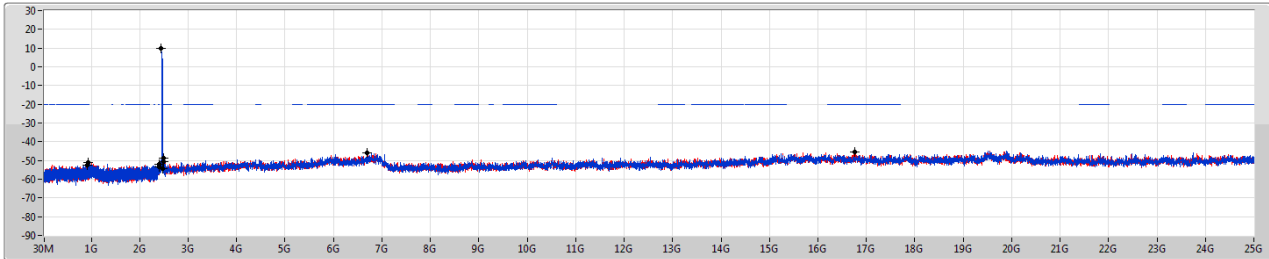




802.11b\_Nss1,(1Mbps)\_2TX  
2462MHz

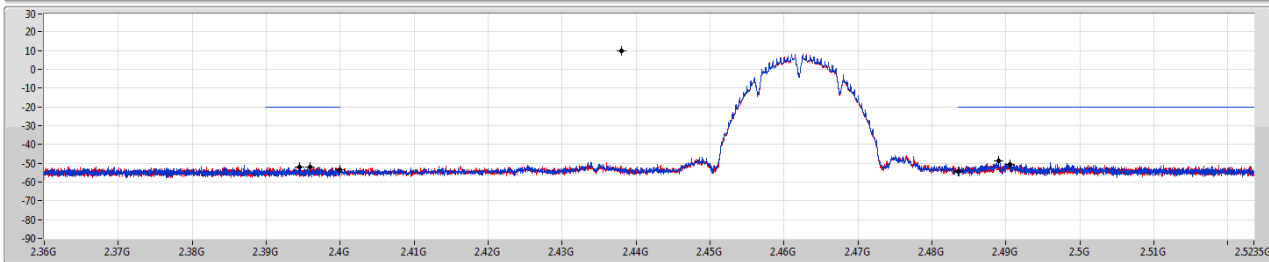
CSE NdB

11/09/2020



Port 1

Port 2



RBW (Hz)

VBW (Hz)

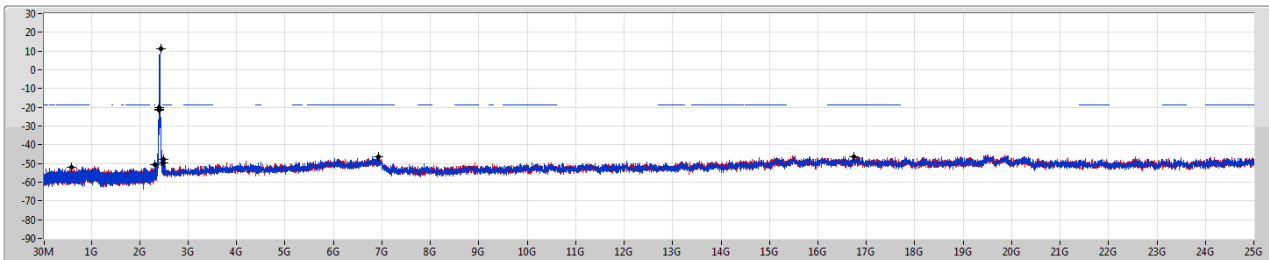
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43799G	9.63	-20.37	909.871M	-52.64	2.39448G	-51.93	2.4G	-53.30	2.489G	-48.62	16.75674G	-45.56	1
2.43799G	9.63	-20.37	941.031M	-51.20	2.39598G	-51.89	2.4835G	-54.42	2.4905G	-50.55	6.70132G	-45.87	2

802.11g\_Nss1,(6Mbps)\_2TX  
2412MHz

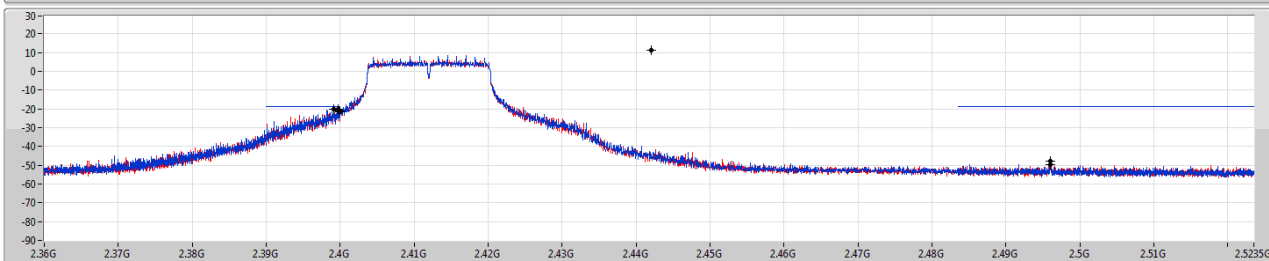
CSE NdB

11/09/2020



Port 1

Port 2

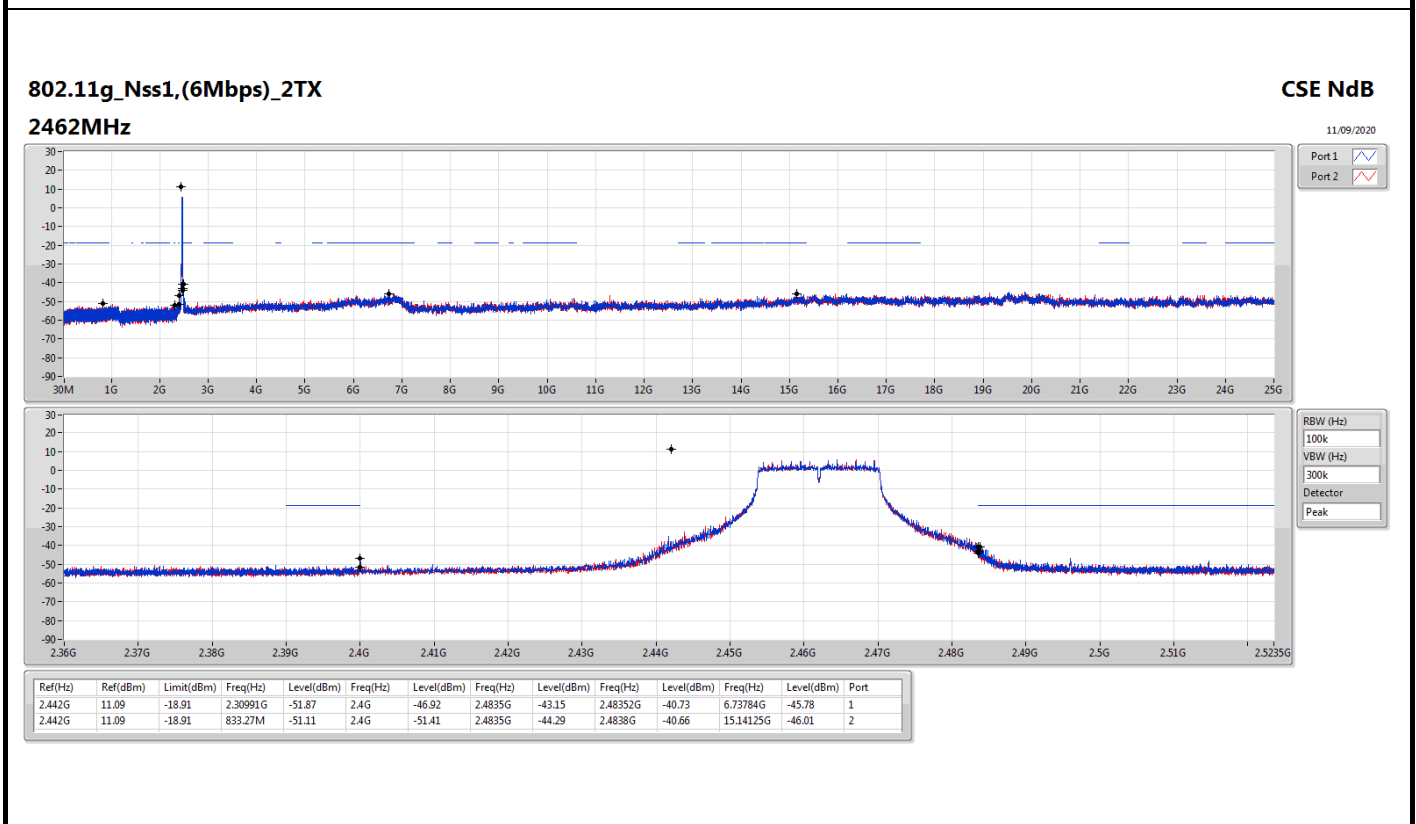
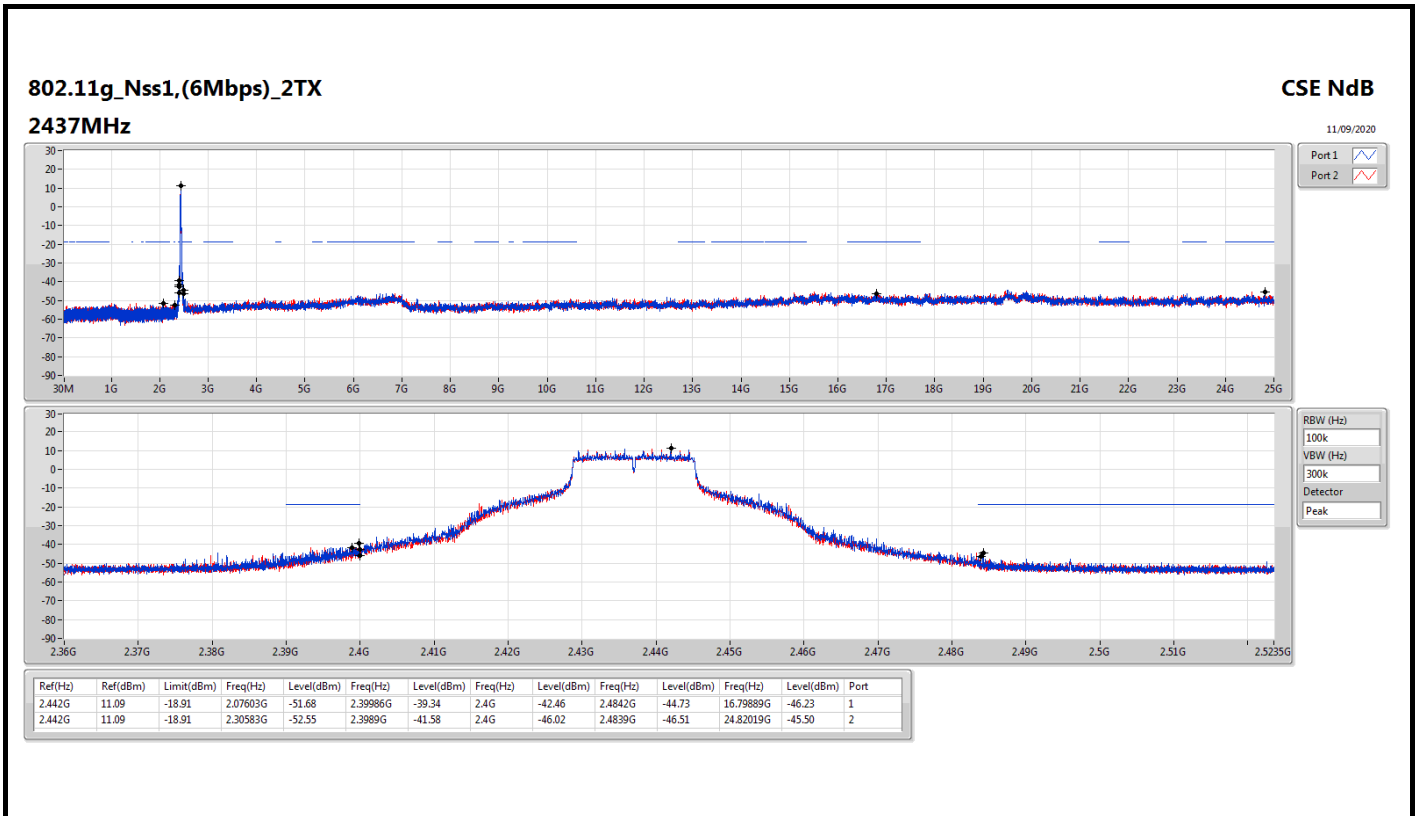


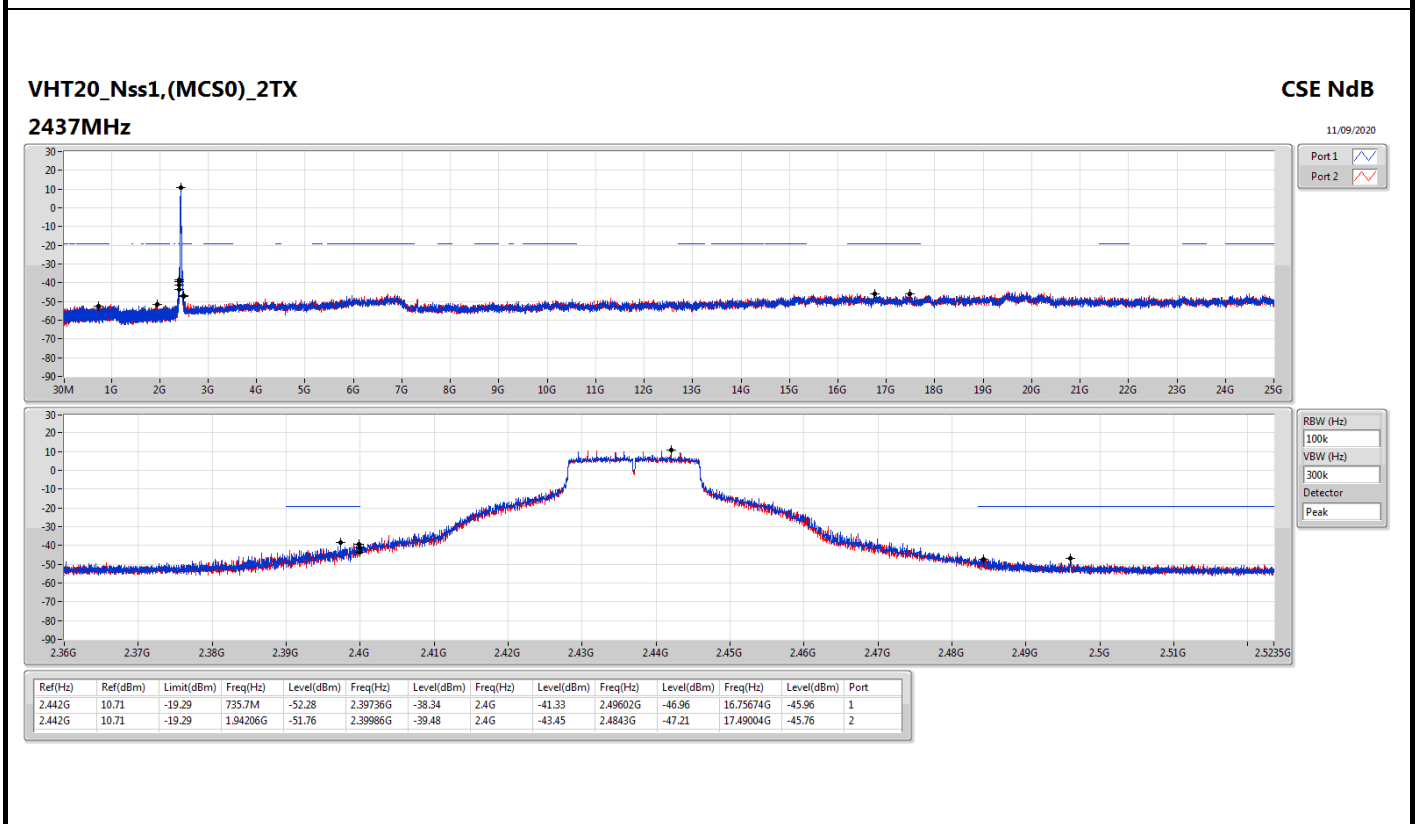
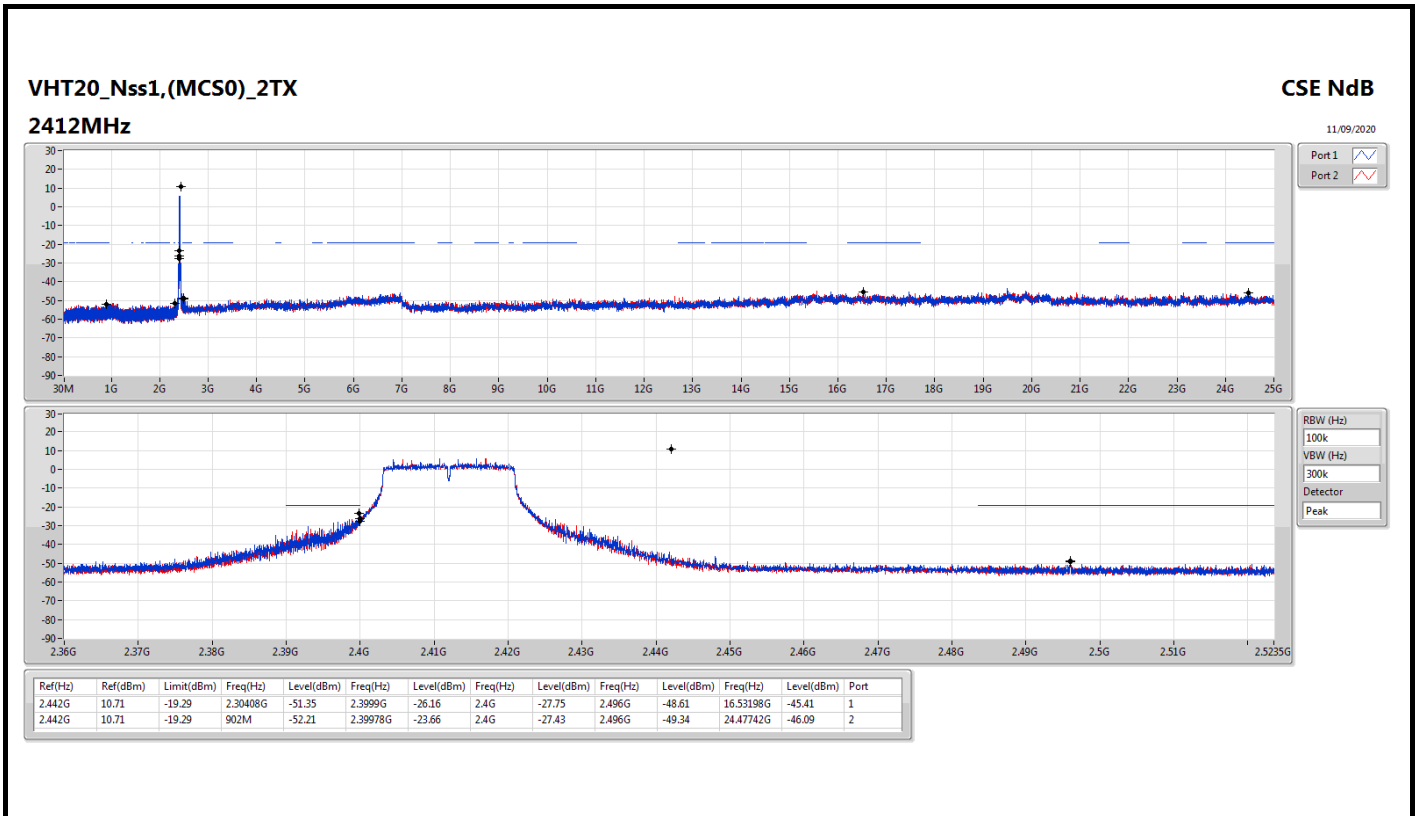
RBW (Hz)

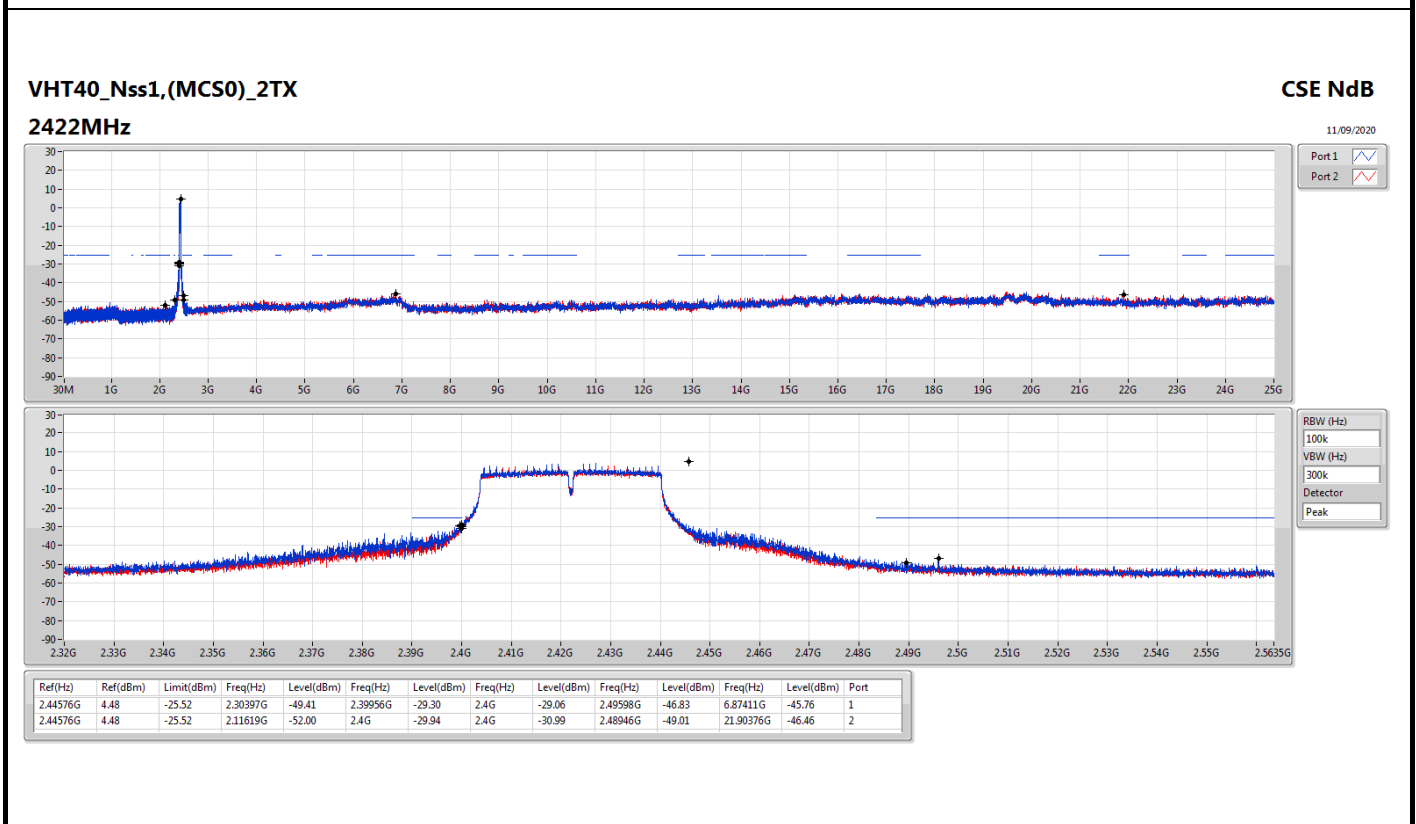
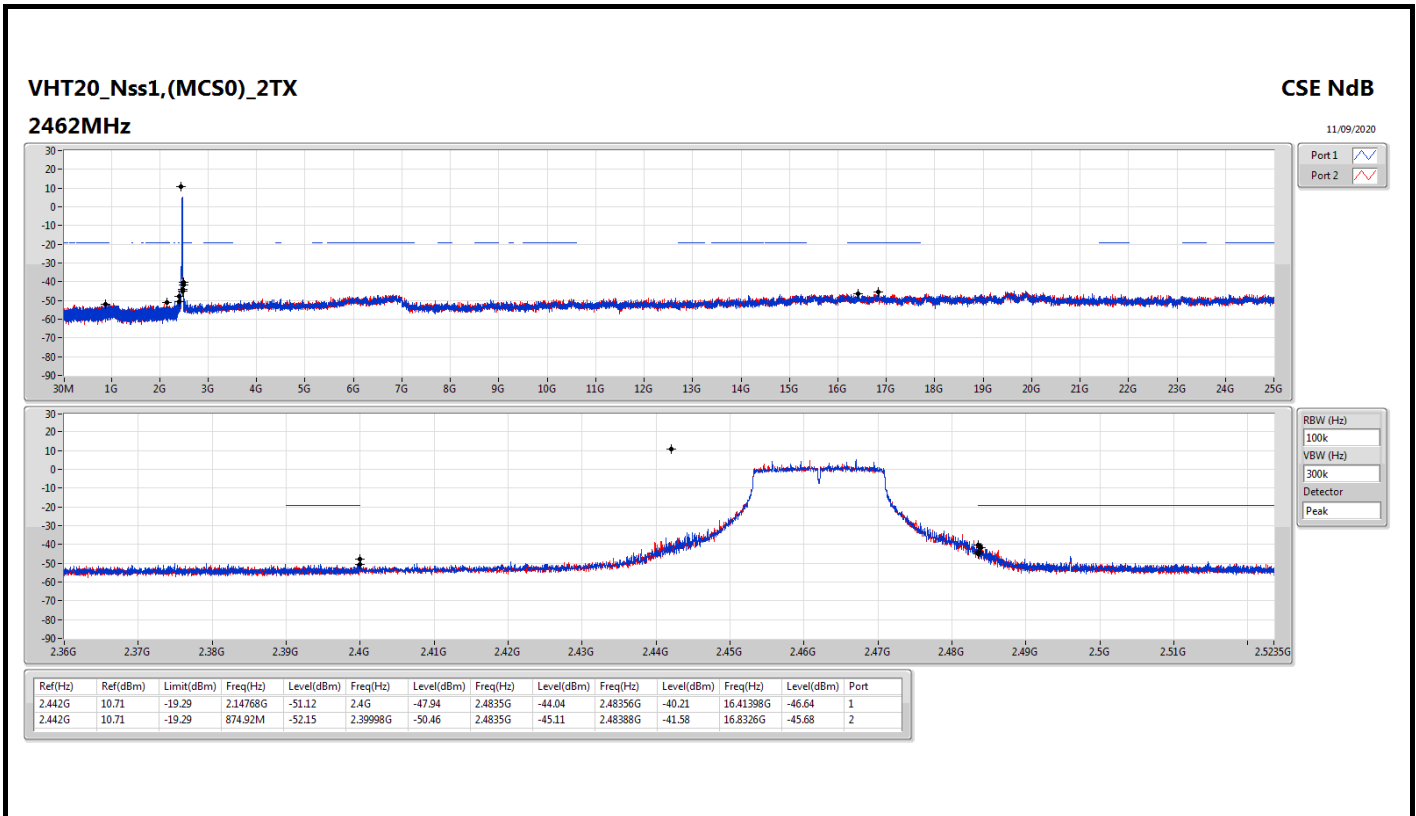
VBW (Hz)

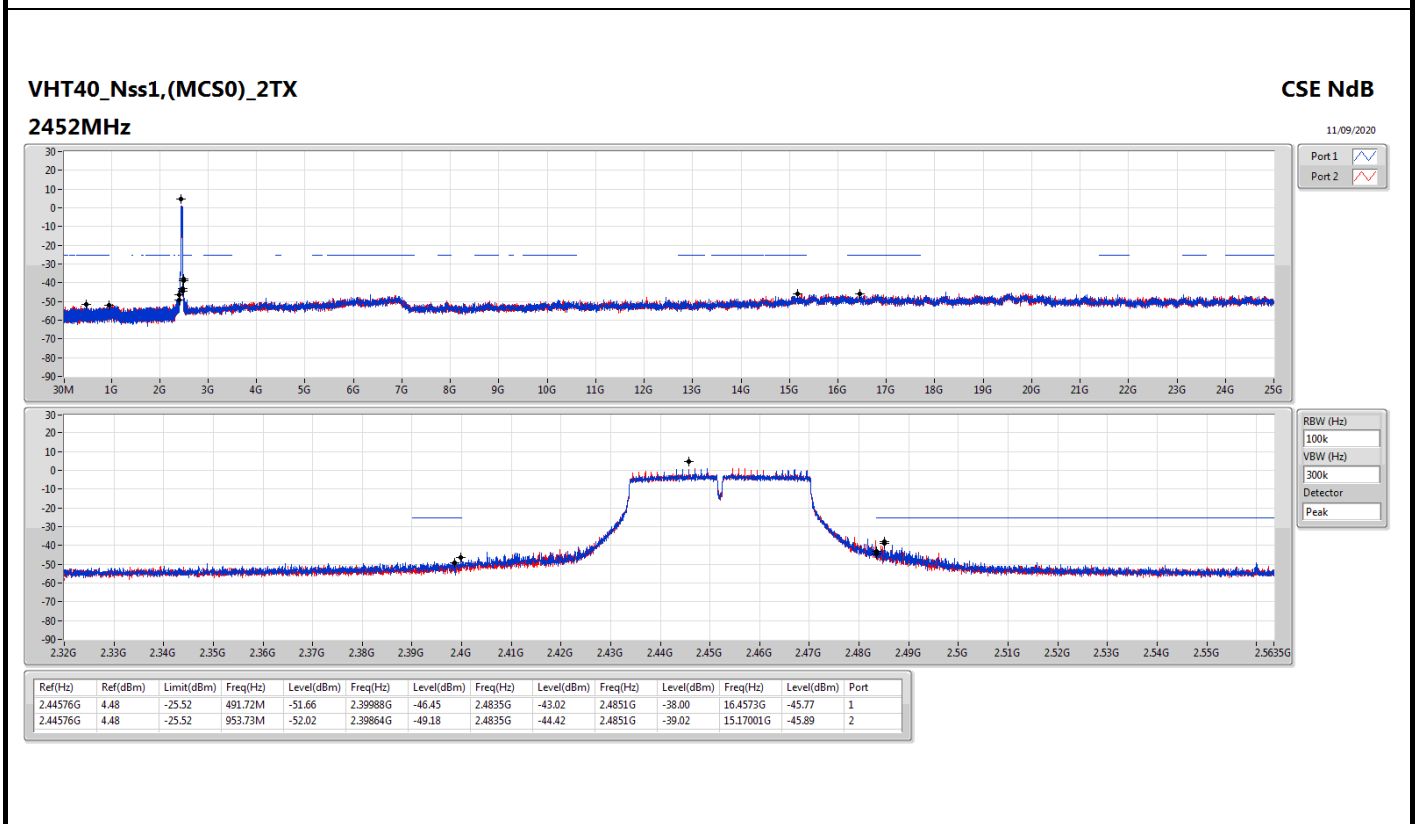
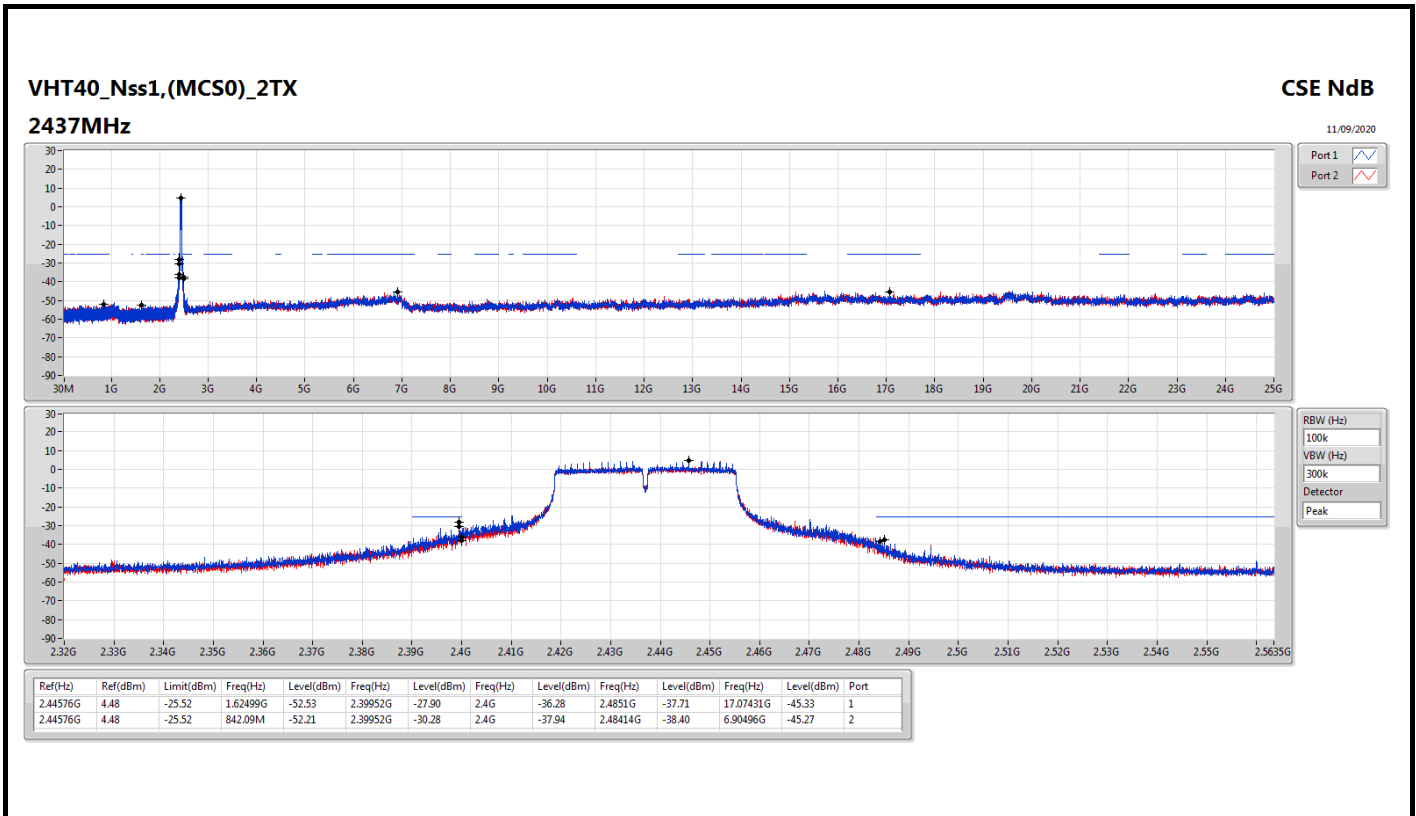
Detector

Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	11.09	-18.91	2.30408G	-50.82	2.39908G	-20.10	2.4G	-21.09	2.496G	-47.75	16.7427G	-46.28	1
2.442G	11.09	-18.91	587.741M	-52.09	2.39976G	-20.29	2.4G	-21.78	2.49602G	-49.76	6.9317G	-46.19	2











## ***Radiated Emission below 1GHz Result***

Appendix F.1

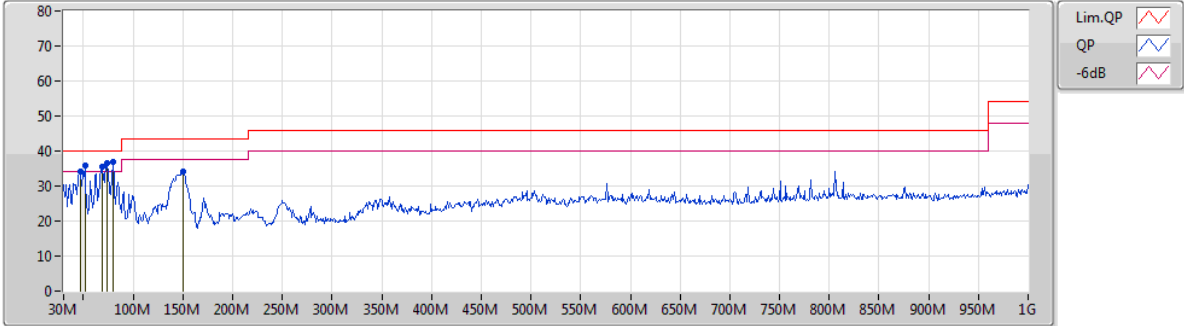
### Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	79.47M	36.91	40.00	-3.09	Vertical



Mode 1

10/11/2020

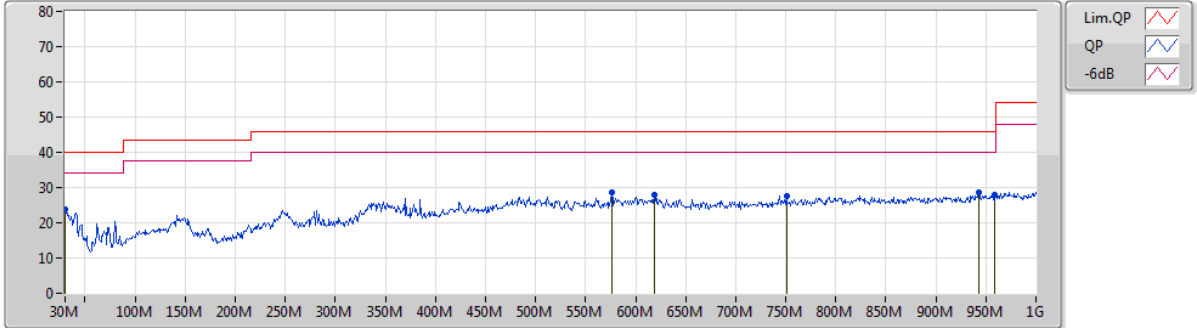


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	46.49M	34.11	40.00	-5.89	-16.36	3	Vertical	185	1.00	-	50.47	14.74	0.63	31.73
PK	51.34M	35.71	40.00	-4.29	-18.18	3	Vertical	221	1.00	-	53.89	12.89	0.70	31.77
PK	68.8M	35.39	40.00	-4.61	-19.60	3	Vertical	338	2.00	-	54.99	11.44	0.78	31.82
PK	73.65M	36.57	40.00	-3.43	-19.44	3	Vertical	125	1.00	-	56.01	11.62	0.80	31.86
PK	79.47M	36.91	40.00	-3.09	-18.88	3	Vertical	147	1.25	"Worst"	55.79	12.20	0.80	31.88
PK	150.28M	34.30	43.50	-9.20	-15.21	3	Vertical	175	1.25	-	49.51	15.59	1.10	31.90



**Mode 1**

10/11/2020



Type	Freq (Hz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBUV/m)	AF (dB/m)	CL (dB)	PA (dB)
PK	30M	23.94	40.00	-16.06	-7.66	3	Horizontal	191	1.00	"Worst"	31.60	23.22	0.50	31.38
PK	576.11M	28.47	46.00	-17.53	-6.32	3	Horizontal	169	1.00	-	34.79	23.92	2.10	32.34
PK	618.79M	27.76	46.00	-18.24	-6.10	3	Horizontal	231	1.00	-	33.86	24.13	2.20	32.43
PK	750.71M	27.60	46.00	-18.40	-5.34	3	Horizontal	129	1.00	-	32.94	24.82	2.40	32.56
PK	942.77M	28.45	46.00	-17.55	-3.97	3	Horizontal	306	1.00	-	32.42	25.79	2.69	32.45
PK	959.26M	27.91	46.00	-18.09	-3.66	3	Horizontal	28	1.00	-	31.57	26.10	2.70	32.46



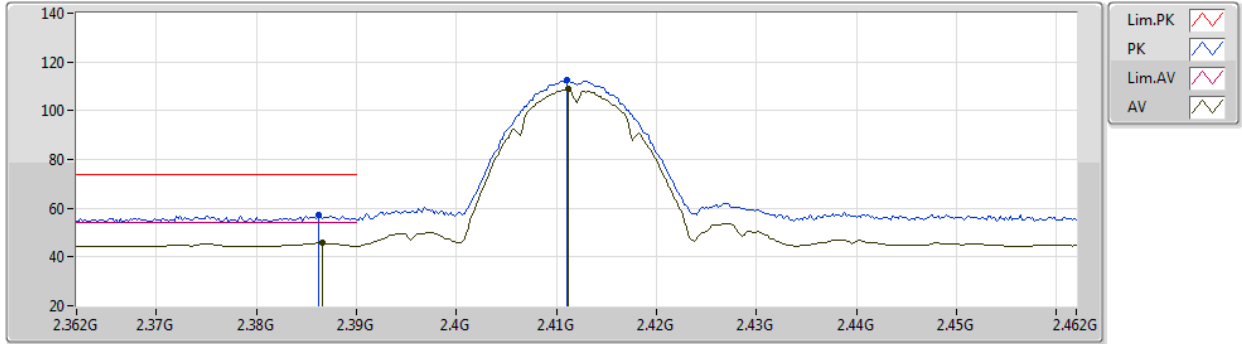
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
VHT40_Nss1,(MCS0)_2TX	Pass	AV	2.4835G	53.97	54.00	-0.03	3	Vertical	13	1.00	-

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2412MHz\_TX



EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

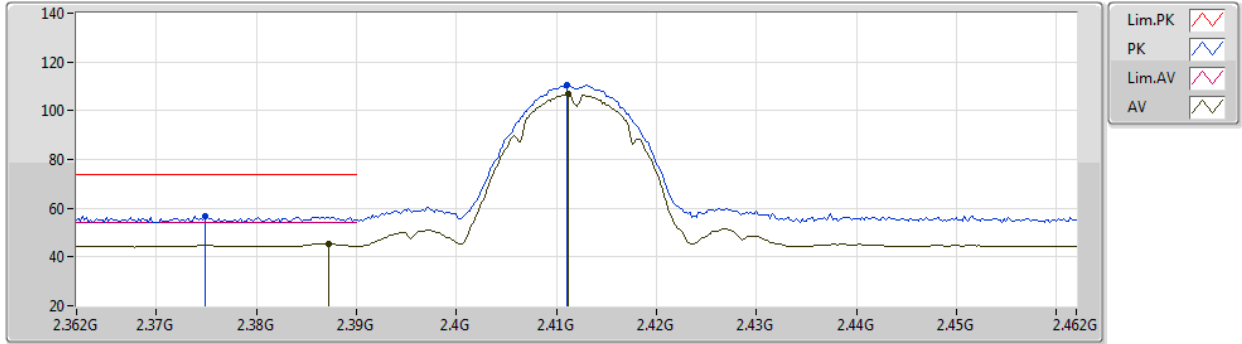
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3862G	57.08	74.00	-16.92	25.32	3	Vertical	12	2.80	-	28.26	3.50	-
AV	2.3866G	45.67	54.00	-8.33	13.91	3	Vertical	12	2.80	-	28.26	3.50	-
PK	2.411G	112.59	Inf	-Inf	80.75	3	Vertical	12	2.80	-	28.33	3.51	-
AV	2.4112G	108.79	Inf	-Inf	76.95	3	Vertical	12	2.80	-	28.33	3.51	-



802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2412MHz\_TX



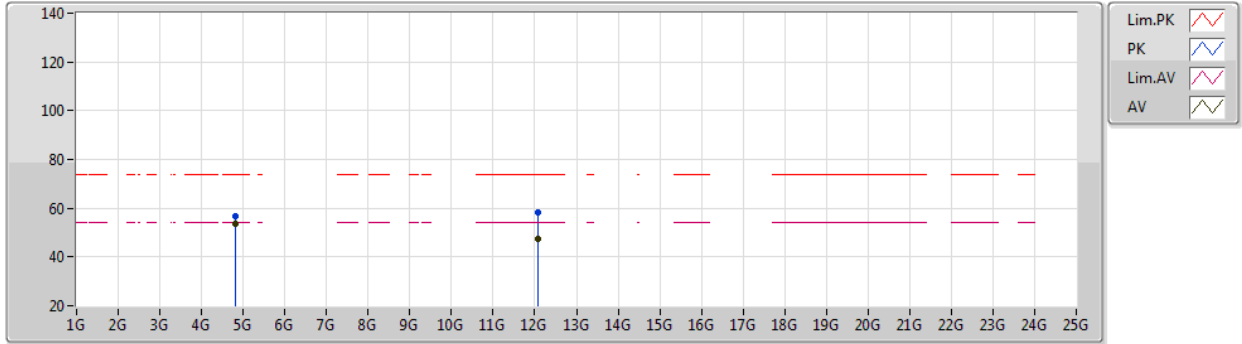
EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3748G	56.74	74.00	-17.26	25.02	3	Horizontal	47	2.49	-	28.22	3.50	-
AV	2.3872G	45.50	54.00	-8.50	13.74	3	Horizontal	47	2.49	-	28.26	3.50	-
PK	2.411G	110.60	Inf	-Inf	78.76	3	Horizontal	47	2.49	-	28.33	3.51	-
AV	2.4112G	106.90	Inf	-Inf	75.06	3	Horizontal	47	2.49	-	28.33	3.51	-

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2412MHz\_TX



EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

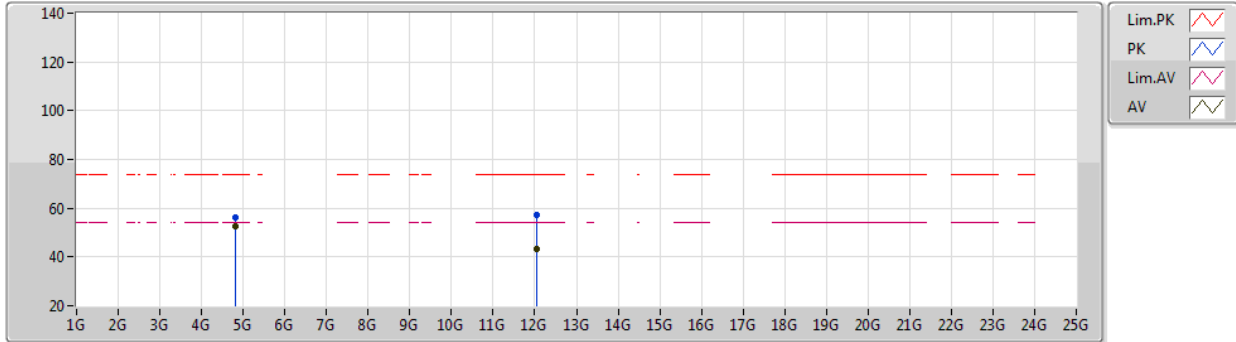
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82407G	56.89	74.00	-17.11	49.96	3	Vertical	3	1.17	-	32.90	5.81	31.78
AV	4.82399G	53.77	54.00	-0.23	46.84	3	Vertical	3	1.17	-	32.90	5.81	31.78
PK	12.06258G	58.20	74.00	-15.80	42.83	3	Vertical	257	2.08	-	39.29	8.99	32.91
AV	12.06286G	47.56	54.00	-6.44	32.19	3	Vertical	257	2.08	-	39.29	8.99	32.91



802.11b\_Nss1,(1Mbps)\_2TX

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2412MHz\_TX



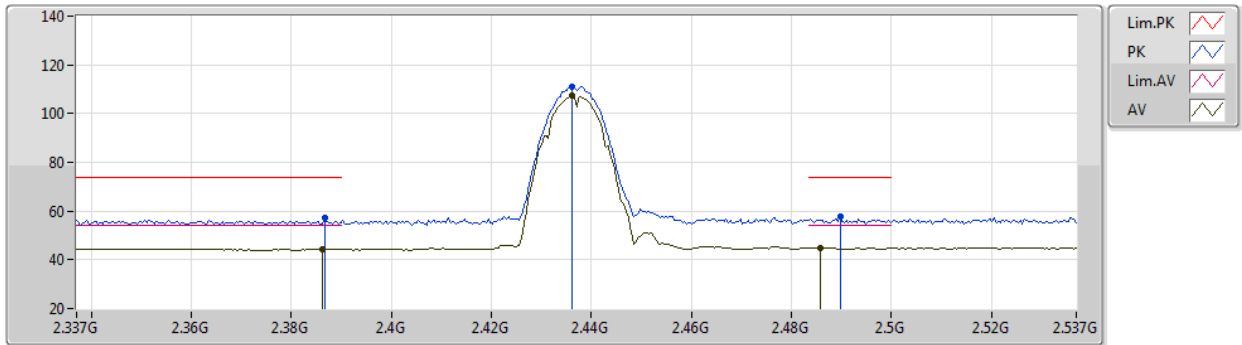
EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82392G	56.11	74.00	-17.89	49.18	3	Horizontal	253	2.80	-	32.90	5.81	31.78
AV	4.82399G	52.65	54.00	-1.35	45.72	3	Horizontal	253	2.80	-	32.90	5.81	31.78
PK	12.06148G	57.17	74.00	-16.83	41.81	3	Horizontal	244	2.29	-	39.29	8.99	32.92
AV	12.0608G	43.52	54.00	-10.48	28.16	3	Horizontal	244	2.29	-	39.29	8.99	32.92

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2437MHz\_TX



EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

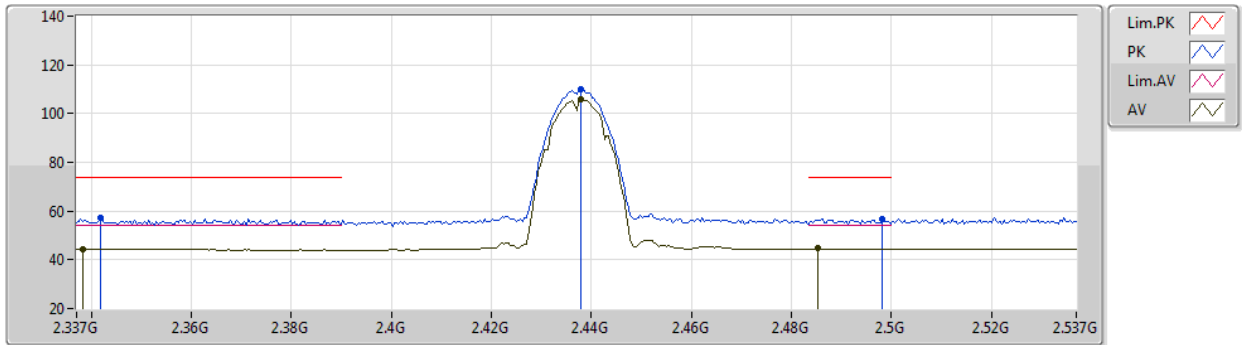
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3866G	57.19	74.00	-16.81	25.43	3	Vertical	314	2.83	-	28.26	3.50	-
AV	2.3862G	44.18	54.00	-9.82	12.42	3	Vertical	314	2.83	-	28.26	3.50	-
PK	2.4362G	111.20	Inf	-Inf	79.25	3	Vertical	314	2.83	-	28.41	3.54	-
AV	2.4362G	107.35	Inf	-Inf	75.40	3	Vertical	314	2.83	-	28.41	3.54	-
PK	2.4898G	57.59	74.00	-16.41	25.43	3	Vertical	314	2.83	-	28.57	3.59	-
AV	2.4858G	44.93	54.00	-9.07	12.78	3	Vertical	314	2.83	-	28.56	3.59	-



802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2437MHz\_TX



EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

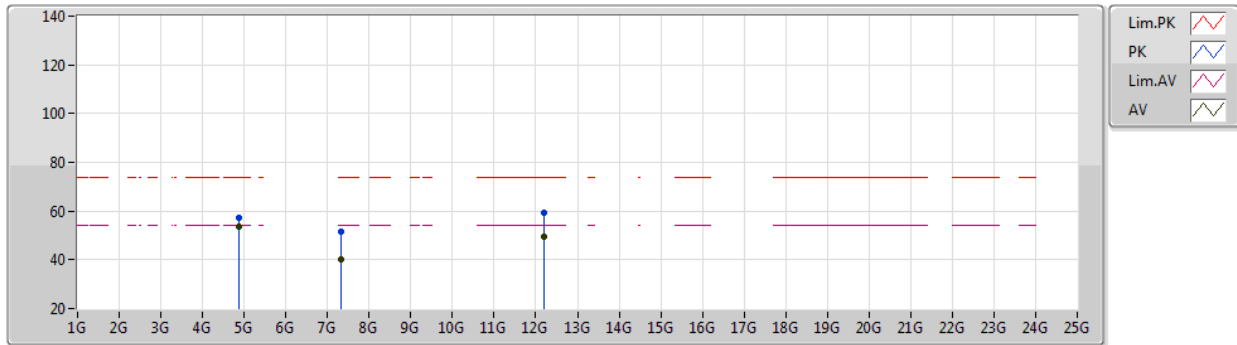
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PK	2.3418G	56.99	74.00	-17.01	25.36	3	Horizontal	356	3.00	-	28.13	3.50	-
AV	2.3382G	44.16	54.00	-9.84	12.55	3	Horizontal	356	3.00	-	28.11	3.50	-
PK	2.4378G	109.97	Inf	-Inf	78.02	3	Horizontal	356	3.00	-	28.41	3.54	-
AV	2.4378G	105.84	Inf	-Inf	73.89	3	Horizontal	356	3.00	-	28.41	3.54	-
PK	2.4982G	56.93	74.00	-17.07	24.74	3	Horizontal	356	3.00	-	28.59	3.60	-
AV	2.4854G	44.57	54.00	-9.43	12.42	3	Horizontal	356	3.00	-	28.56	3.59	-



802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2437MHz\_TX



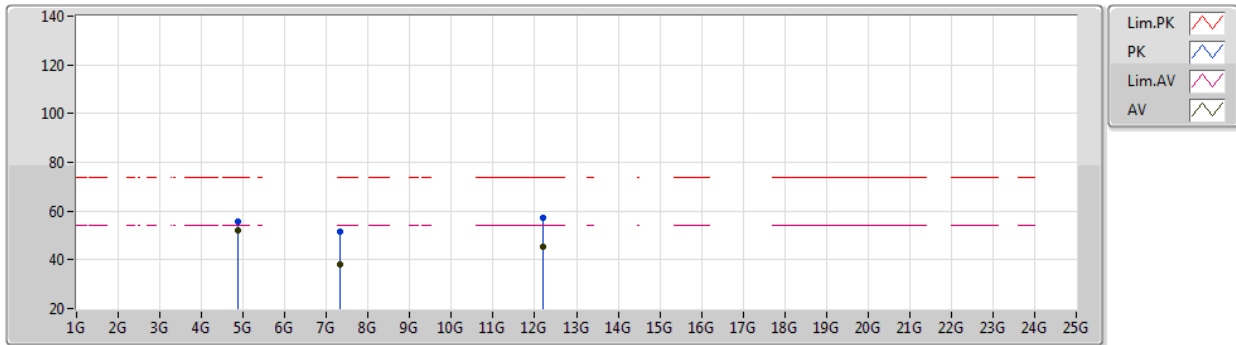
EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87396G	57.00	74.00	-17.00	49.86	3	Vertical	77	2.45	-	33.10	5.84	31.80
AV	4.87398G	53.54	54.00	-0.46	46.40	3	Vertical	77	2.45	-	33.10	5.84	31.80
PK	7.31032G	51.76	74.00	-22.24	40.83	3	Vertical	30	1.14	-	36.40	6.96	32.43
AV	7.31026G	40.09	54.00	-13.91	29.16	3	Vertical	30	1.14	-	36.40	6.96	32.43
PK	12.18406G	59.23	74.00	-14.77	43.87	3	Vertical	318	2.65	-	39.26	8.97	32.87
AV	12.18574G	49.49	54.00	-4.51	34.13	3	Vertical	318	2.65	-	39.26	8.97	32.87

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2437MHz\_TX



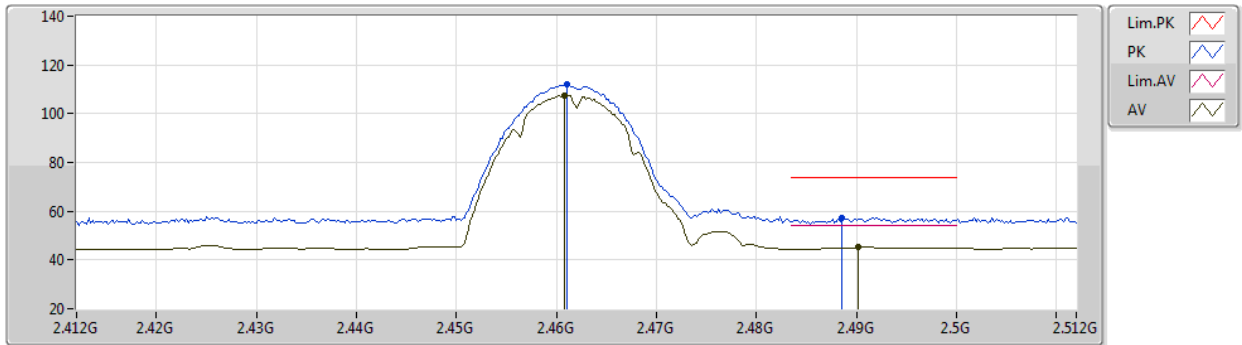
EUT\_Z\_2TX  
Setting 16.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87398G	55.73	74.00	-18.27	48.59	3	Horizontal	334	1.00	-	33.10	5.84	31.80
AV	4.874G	52.12	54.00	-1.88	44.98	3	Horizontal	334	1.00	-	33.10	5.84	31.80
PK	7.31198G	51.49	74.00	-22.51	40.56	3	Horizontal	285	1.35	-	36.40	6.96	32.43
AV	7.3128G	38.21	54.00	-15.79	27.28	3	Horizontal	285	1.35	-	36.40	6.96	32.43
PK	12.18612G	57.07	74.00	-16.93	41.71	3	Horizontal	220	1.90	-	39.26	8.97	32.87
AV	12.18578G	45.25	54.00	-8.75	29.89	3	Horizontal	220	1.90	-	39.26	8.97	32.87

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2462MHz\_TX



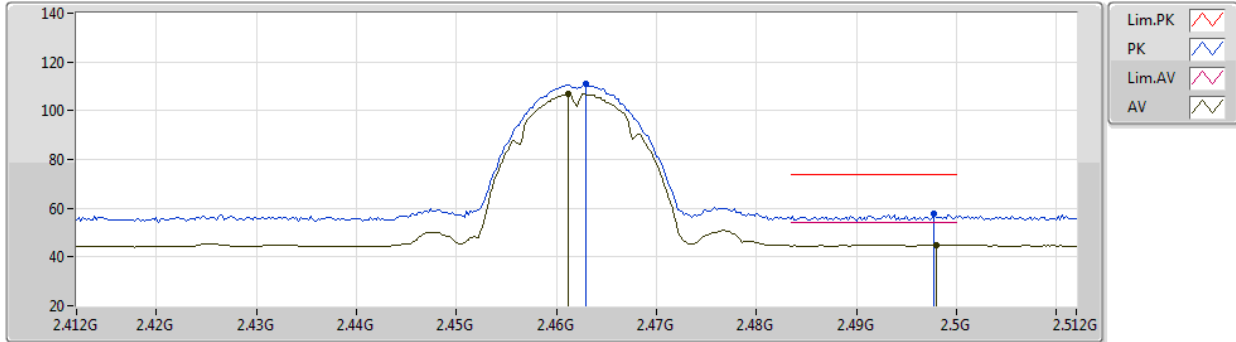
EUT\_Z\_2TX  
Setting 15  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	112.03	Inf	-Inf	79.99	3	Vertical	12	2.73	-	28.48	3.56	-
AV	2.4608G	107.62	Inf	-Inf	75.58	3	Vertical	12	2.73	-	28.48	3.56	-
PK	2.4886G	57.18	74.00	-16.82	25.02	3	Vertical	12	2.73	-	28.57	3.59	-
AV	2.4902G	45.24	54.00	-8.76	13.08	3	Vertical	12	2.73	-	28.57	3.59	-

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2462MHz\_TX



EUT\_Z\_2TX  
Setting 15  
02-C-J-7

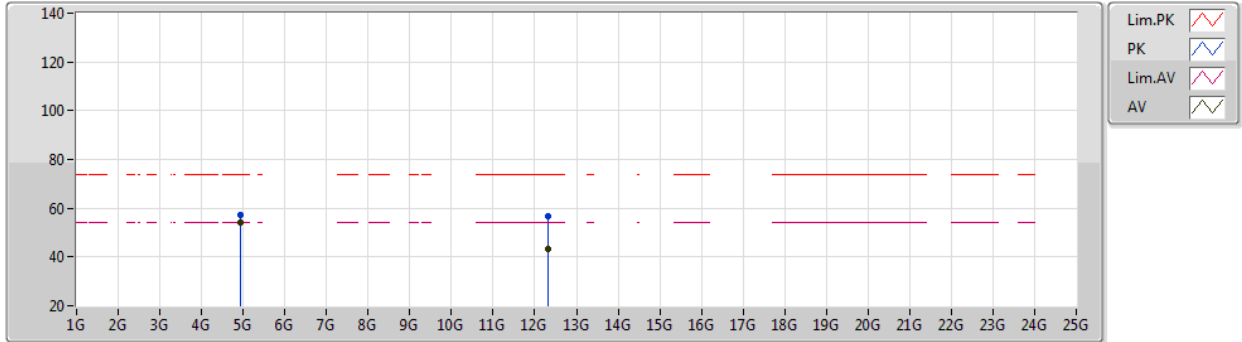
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PK	2.463G	110.85	Inf	-Inf	78.80	3	Horizontal	42	2.70	-	28.49	3.56	-
AV	2.4612G	106.88	Inf	-Inf	74.84	3	Horizontal	42	2.70	-	28.48	3.56	-
PK	2.4978G	57.51	74.00	-16.49	25.32	3	Horizontal	42	2.70	-	28.59	3.60	-
AV	2.498G	45.00	54.00	-9.00	12.81	3	Horizontal	42	2.70	-	28.59	3.60	-



802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2462MHz\_TX



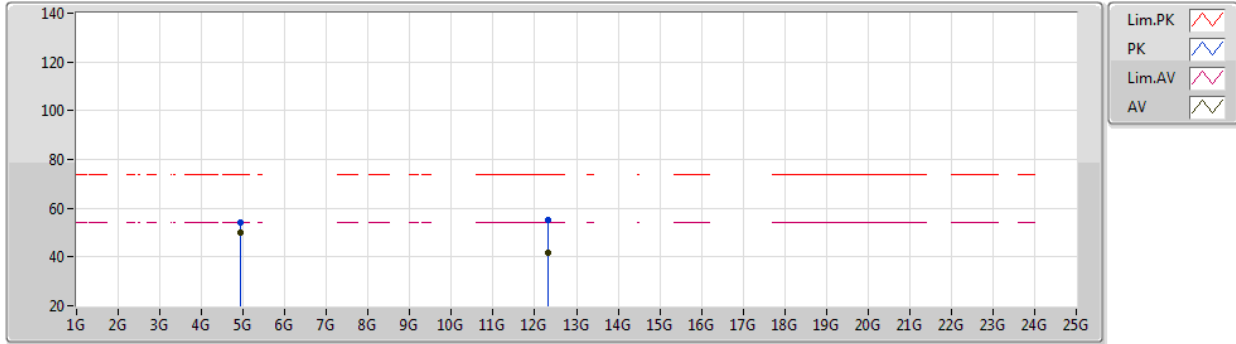
EUT\_Z\_2TX  
Setting 15  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92395G	57.01	74.00	-16.99	49.75	3	Vertical	77	1.09	-	33.22	5.86	31.82
AV	4.924G	53.92	54.00	-0.08	46.66	3	Vertical	77	1.09	-	33.22	5.86	31.82
PK	12.309G	56.87	74.00	-17.13	41.50	3	Vertical	315	2.72	-	39.24	8.95	32.82
AV	12.30916G	43.07	54.00	-10.93	27.70	3	Vertical	315	2.72	-	39.24	8.95	32.82

802.11b\_Nss1,(1Mbps)\_2TX

08/09/2020

2462MHz\_TX



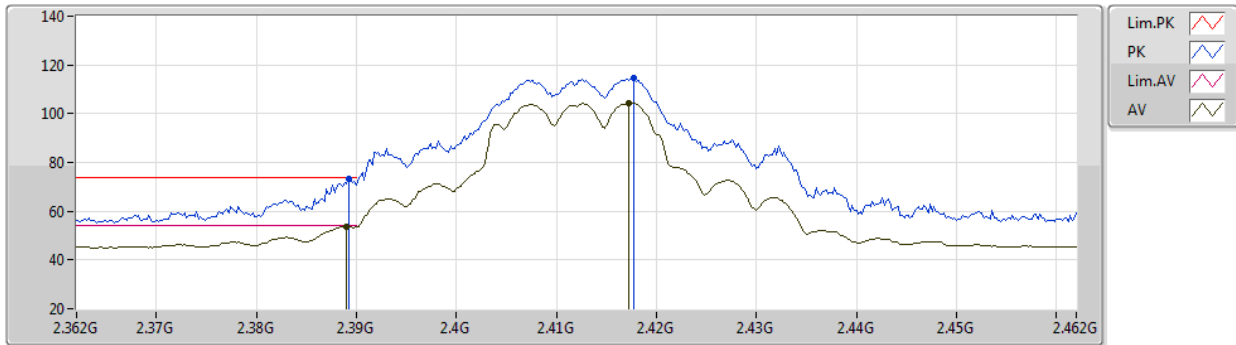
EUT\_Z\_2TX  
Setting 15  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92406G	54.34	74.00	-19.66	47.08	3	Horizontal	82	2.30	-	33.22	5.86	31.82
AV	4.92396G	50.17	54.00	-3.83	42.91	3	Horizontal	82	2.30	-	33.22	5.86	31.82
PK	12.31032G	55.24	74.00	-18.76	39.87	3	Horizontal	111	2.06	-	39.24	8.95	32.82
AV	12.30868G	41.71	54.00	-12.29	26.34	3	Horizontal	111	2.06	-	39.24	8.95	32.82

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2412MHz\_TX



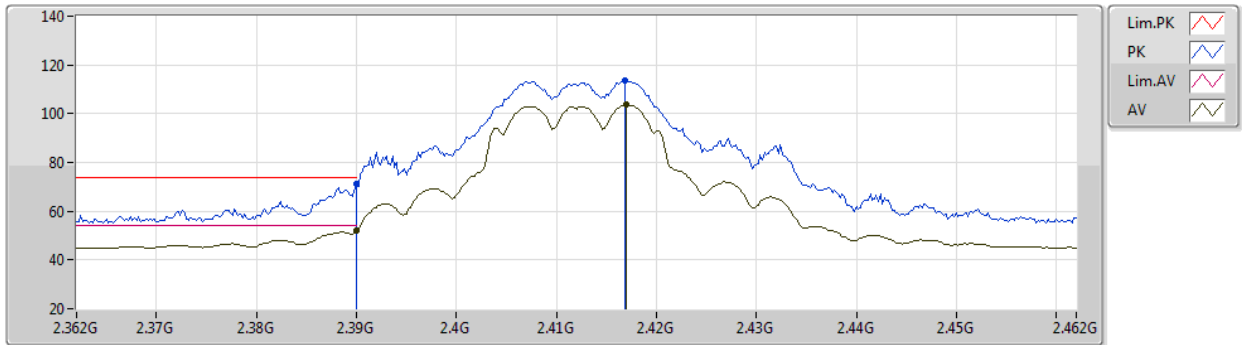
EUT\_Z\_2TX  
Setting 18  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3892G	73.43	74.00	-0.57	41.66	3	Vertical	352	2.80	-	28.27	3.50	-
AV	2.389G	53.75	54.00	-0.25	21.98	3	Vertical	352	2.80	-	28.27	3.50	-
PK	2.4178G	114.43	Inf	-Inf	82.56	3	Vertical	352	2.80	-	28.35	3.52	-
AV	2.4172G	104.48	Inf	-Inf	72.61	3	Vertical	352	2.80	-	28.35	3.52	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2412MHz\_TX



EUT\_Z\_2TX  
Setting 18  
02-C-J-7

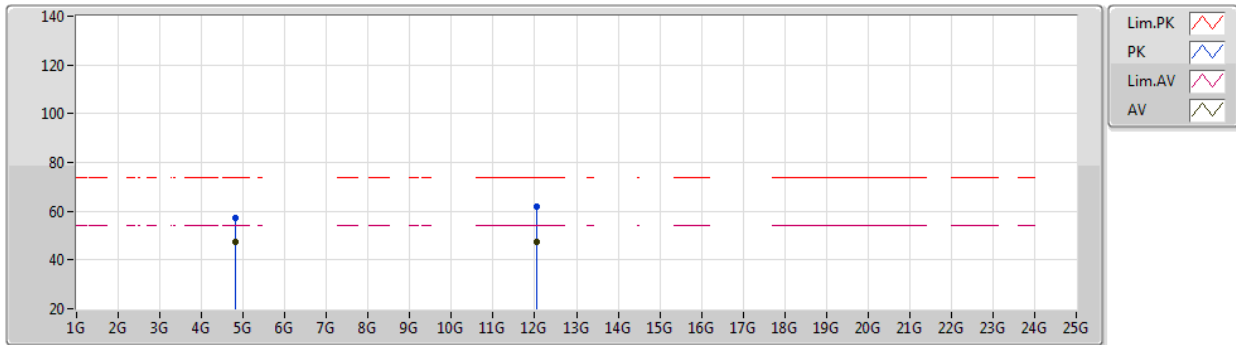
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PK	2.39G	71.09	74.00	-2.91	39.32	3	Horizontal	40	2.76	-	28.27	3.50	-
AV	2.39G	52.05	54.00	-1.95	20.28	3	Horizontal	40	2.76	-	28.27	3.50	-
PK	2.4168G	113.59	Inf	-Inf	81.72	3	Horizontal	40	2.76	-	28.35	3.52	-
AV	2.417G	103.64	Inf	-Inf	71.77	3	Horizontal	40	2.76	-	28.35	3.52	-



802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2412MHz\_TX



EUT\_Z\_2TX  
Setting 18  
02-C-J-7

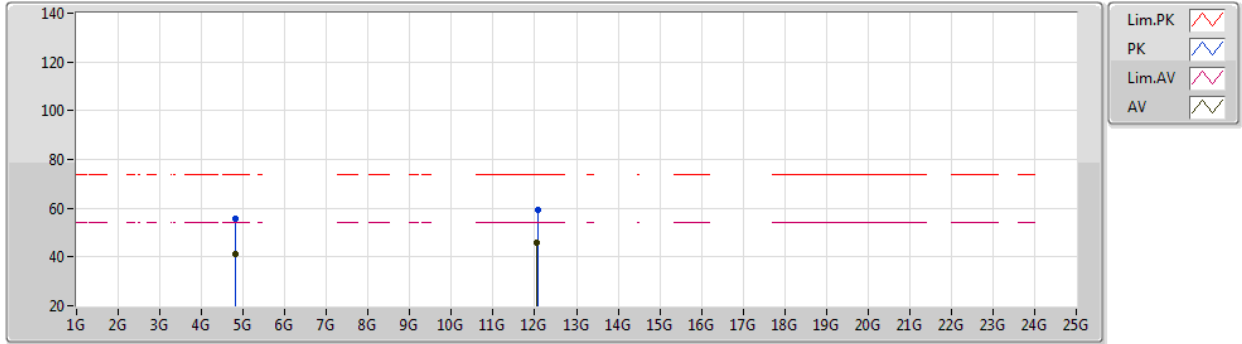
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PK	4.8242G	57.00	74.00	-17.00	50.07	3	Vertical	71	2.94	-	32.90	5.81	31.78
AV	4.824G	47.25	54.00	-6.75	40.32	3	Vertical	71	2.94	-	32.90	5.81	31.78
PK	12.0581G	61.96	74.00	-12.04	46.60	3	Vertical	316	2.68	-	39.29	8.99	32.92
AV	12.0591G	47.34	54.00	-6.66	31.98	3	Vertical	316	2.68	-	39.29	8.99	32.92



802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2412MHz\_TX



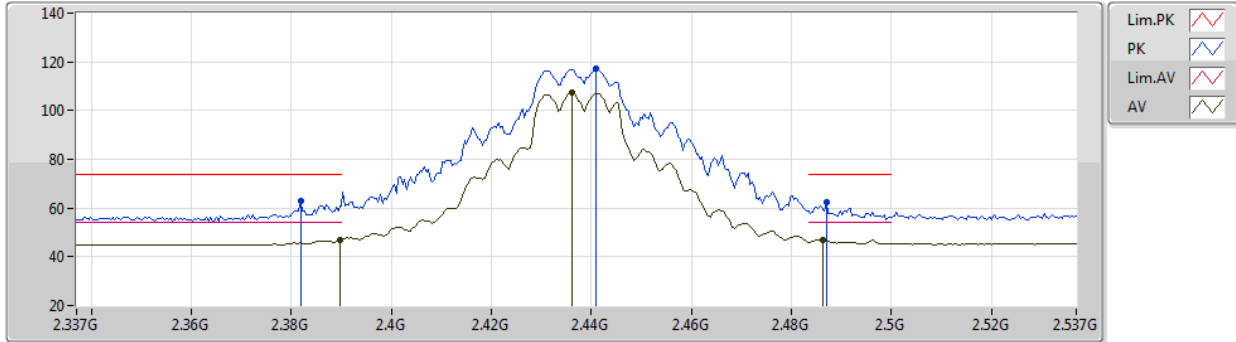
EUT\_Z\_2TX  
Setting 18  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82444G	55.51	74.00	-18.49	48.58	3	Horizontal	256	2.79	-	32.90	5.81	31.78
AV	4.8246G	41.17	54.00	-12.83	34.24	3	Horizontal	256	2.79	-	32.90	5.81	31.78
PK	12.0649G	59.21	74.00	-14.79	43.84	3	Horizontal	262	1.89	-	39.29	8.99	32.91
AV	12.0612G	45.93	54.00	-8.07	30.57	3	Horizontal	262	1.89	-	39.29	8.99	32.92

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2437MHz\_TX



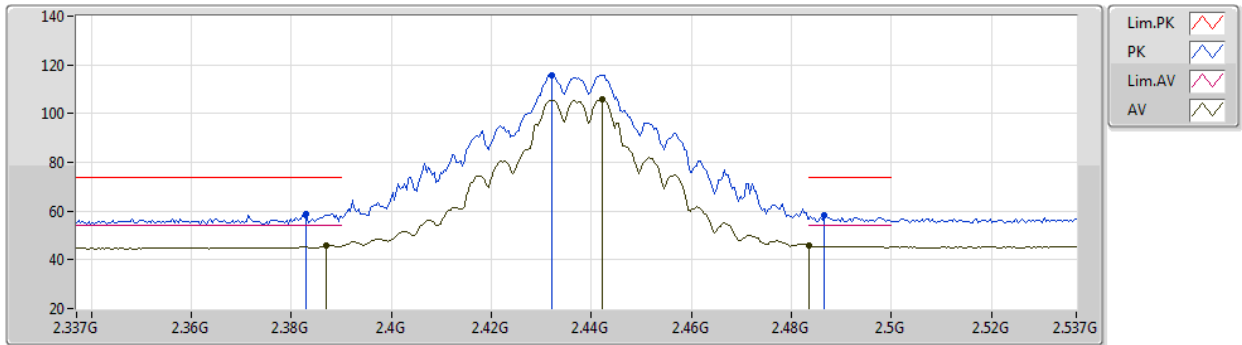
EUT\_Z\_2TX  
Setting 20.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3818G	62.98	74.00	-11.02	31.23	3	Vertical	22	2.55	-	28.25	3.50	-
AV	2.3898G	46.88	54.00	-7.12	15.11	3	Vertical	22	2.55	-	28.27	3.50	-
PK	2.441G	117.32	Inf	-Inf	85.36	3	Vertical	22	2.55	-	28.42	3.54	-
AV	2.4362G	107.36	Inf	-Inf	75.41	3	Vertical	22	2.55	-	28.41	3.54	-
PK	2.487G	62.46	74.00	-11.54	30.31	3	Vertical	22	2.55	-	28.56	3.59	-
AV	2.4862G	46.85	54.00	-7.15	14.70	3	Vertical	22	2.55	-	28.56	3.59	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2437MHz\_TX



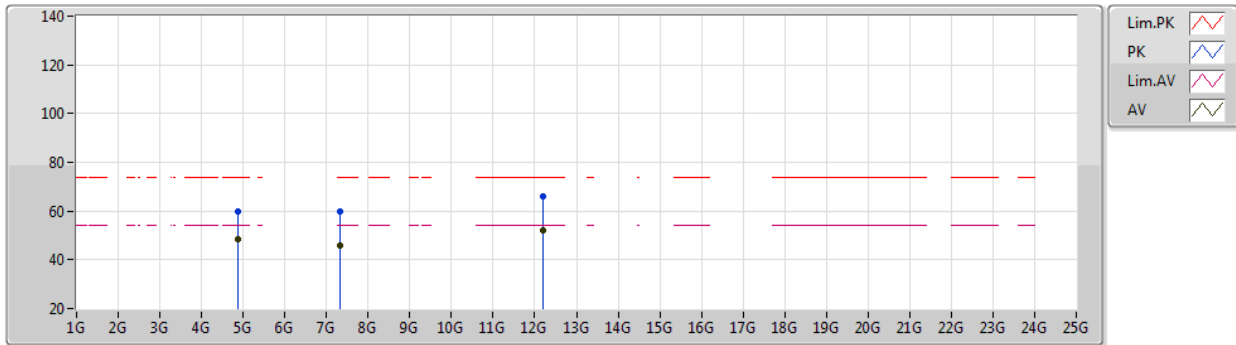
EUT\_Z\_2TX  
Setting 20.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.383G	59.02	74.00	-14.98	27.27	3	Horizontal	42	2.76	-	28.25	3.50	-
AV	2.387G	45.80	54.00	-8.20	14.04	3	Horizontal	42	2.76	-	28.26	3.50	-
PK	2.4322G	115.73	Inf	-Inf	83.80	3	Horizontal	42	2.76	-	28.40	3.53	-
AV	2.4422G	106.00	Inf	-Inf	74.03	3	Horizontal	42	2.76	-	28.43	3.54	-
PK	2.4866G	58.17	74.00	-15.83	26.02	3	Horizontal	42	2.76	-	28.56	3.59	-
AV	2.4835G	45.97	54.00	-8.03	13.84	3	Horizontal	42	2.76	-	28.55	3.58	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2437MHz\_TX



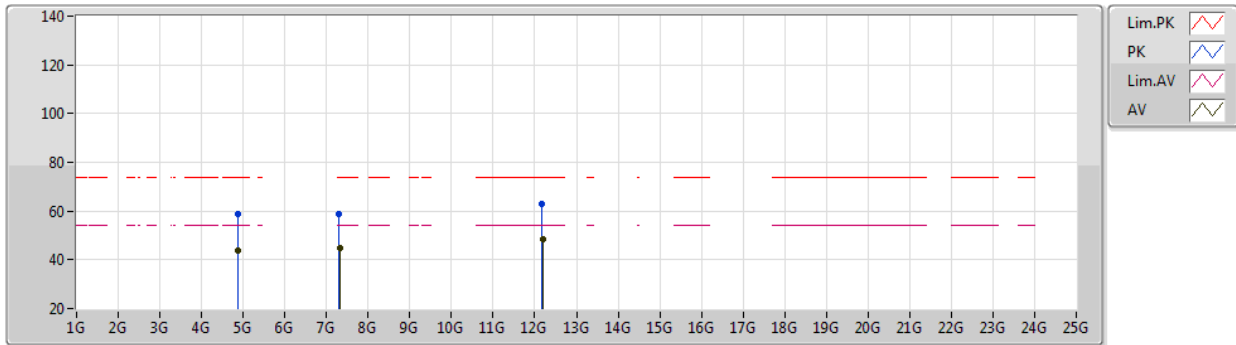
EUT\_Z\_2TX  
Setting 20.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87419G	59.69	74.00	-14.31	52.55	3	Vertical	77	2.46	-	33.10	5.84	31.80
AV	4.87399G	48.58	54.00	-5.42	41.44	3	Vertical	77	2.46	-	33.10	5.84	31.80
PK	7.3134G	59.65	74.00	-14.35	48.72	3	Vertical	31	1.00	-	36.40	6.96	32.43
AV	7.3142G	45.84	54.00	-8.16	34.92	3	Vertical	31	1.00	-	36.40	6.95	32.43
PK	12.1988G	66.09	74.00	-7.91	50.72	3	Vertical	319	2.65	-	39.26	8.97	32.86
AV	12.1841G	51.99	54.00	-2.01	36.63	3	Vertical	319	2.65	-	39.26	8.97	32.87

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2437MHz\_TX



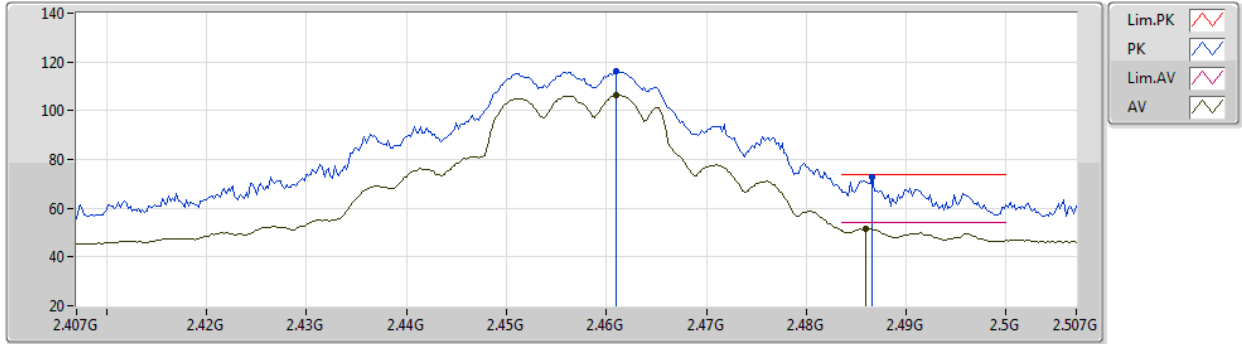
EUT\_Z\_2TX  
Setting 20.5  
02-C-J-7

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.8744G	58.65	74.00	-15.35	51.51	3	Horizontal	336	1.01	-	33.10	5.84	31.80
AV	4.87436G	43.89	54.00	-10.11	36.75	3	Horizontal	336	1.01	-	33.10	5.84	31.80
PK	7.30924G	58.88	74.00	-15.12	47.95	3	Horizontal	285	2.27	-	36.40	6.96	32.43
AV	7.31484G	44.96	54.00	-9.04	34.04	3	Horizontal	285	2.27	-	36.40	6.95	32.43
PK	12.1789G	62.75	74.00	-11.25	47.39	3	Horizontal	219	1.89	-	39.26	8.97	32.87
AV	12.1839G	48.43	54.00	-5.57	33.07	3	Horizontal	219	1.89	-	39.26	8.97	32.87

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2457MHz\_TX



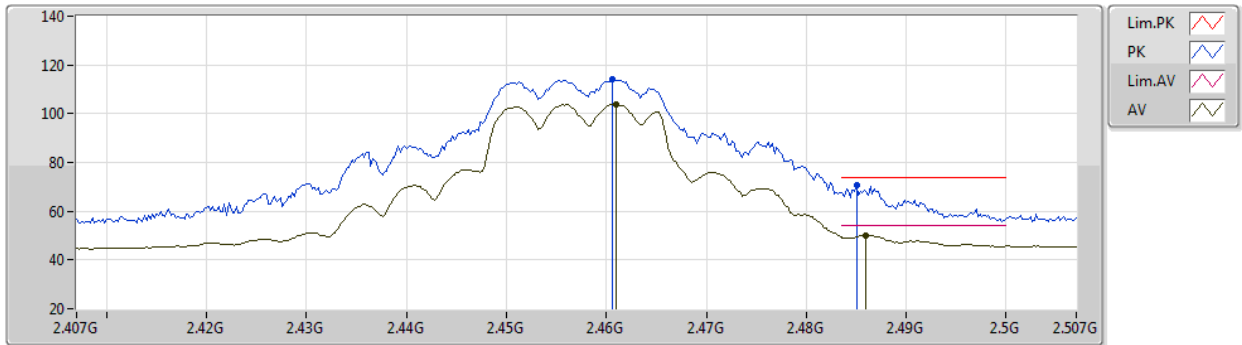
EUT\_Z\_2TX  
Setting 18.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.461G	116.09	Inf	-Inf	84.05	3	Vertical	15	2.73	-	28.48	3.56	-
AV	2.461G	106.25	Inf	-Inf	74.21	3	Vertical	15	2.73	-	28.48	3.56	-
PK	2.4866G	72.59	74.00	-1.41	40.44	3	Vertical	15	2.73	-	28.56	3.59	-
AV	2.486G	51.61	54.00	-2.39	19.46	3	Vertical	15	2.73	-	28.56	3.59	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2457MHz\_TX



EUT Z\_2TX  
Setting 18.5  
02-C-E-2

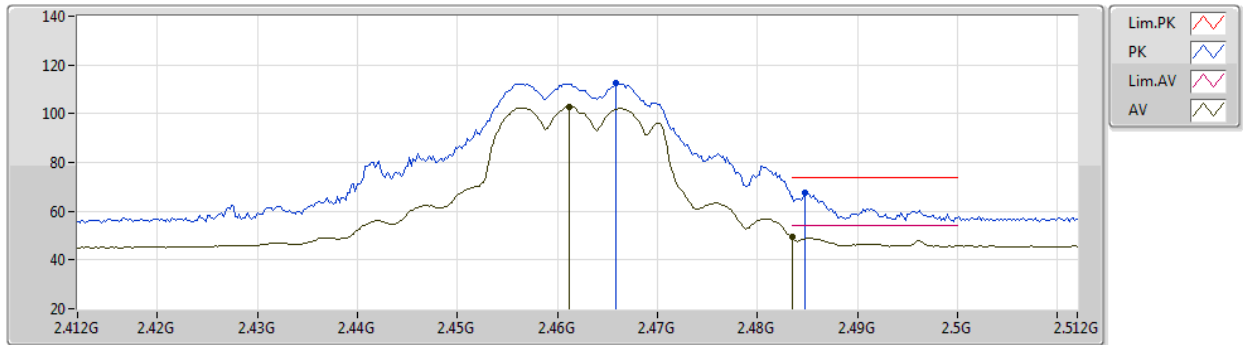
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4606G	113.94	Inf	-Inf	81.90	3	Horizontal	328	2.96	-	28.48	3.56	-
AV	2.461G	103.71	Inf	-Inf	71.67	3	Horizontal	328	2.96	-	28.48	3.56	-
PK	2.485G	70.78	74.00	-3.22	38.63	3	Horizontal	328	2.96	-	28.56	3.59	-
AV	2.486G	50.25	54.00	-3.75	18.10	3	Horizontal	328	2.96	-	28.56	3.59	-



802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2462MHz\_TX



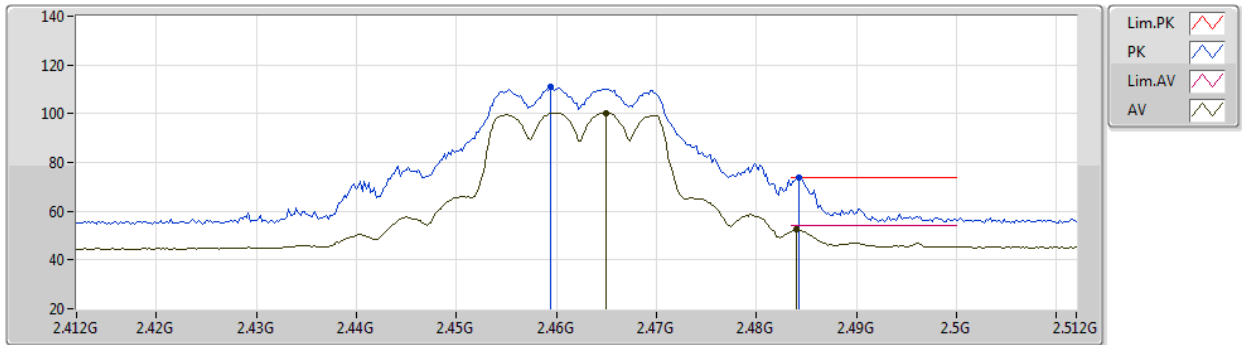
EUT\_Z\_2TX  
Setting 15  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4658G	112.40	Inf	-Inf	80.33	3	Vertical	13	2.74	-	28.50	3.57	-
AV	2.4612G	102.72	Inf	-Inf	70.68	3	Vertical	13	2.74	-	28.48	3.56	-
PK	2.4848G	67.56	74.00	-6.44	35.43	3	Vertical	13	2.74	-	28.55	3.58	-
AV	2.4835G	49.23	54.00	-4.77	17.10	3	Vertical	13	2.74	-	28.55	3.58	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2462MHz\_TX



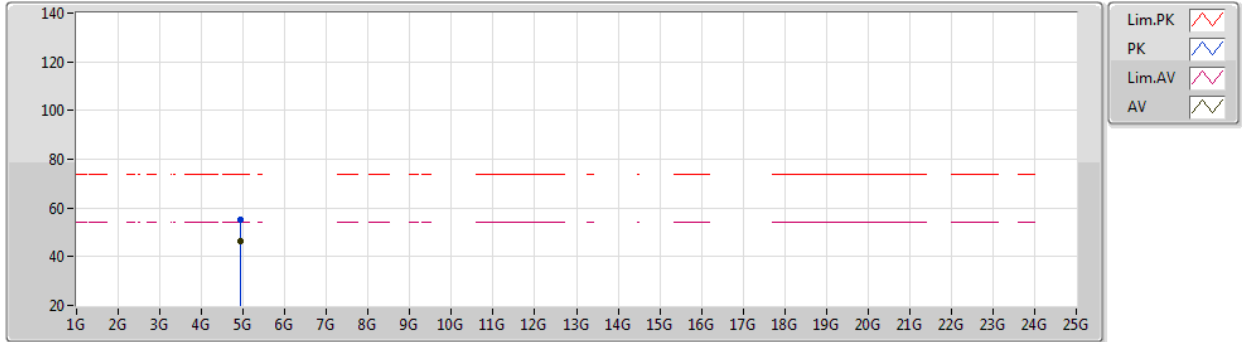
EUT Z\_2TX  
Setting 15  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.4594G	110.83	Inf	-Inf	78.79	3	Horizontal	355	2.93	-	28.48	3.56	-
AV	2.465G	100.35	Inf	-Inf	68.29	3	Horizontal	355	2.93	-	28.50	3.56	-
PK	2.4842G	73.80	74.00	-0.20	41.67	3	Horizontal	355	2.93	-	28.55	3.58	-
AV	2.484G	52.43	54.00	-1.57	20.30	3	Horizontal	355	2.93	-	28.55	3.58	-

802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2462MHz\_TX



EUT Z\_2TX  
Setting 15  
02-C-E-2

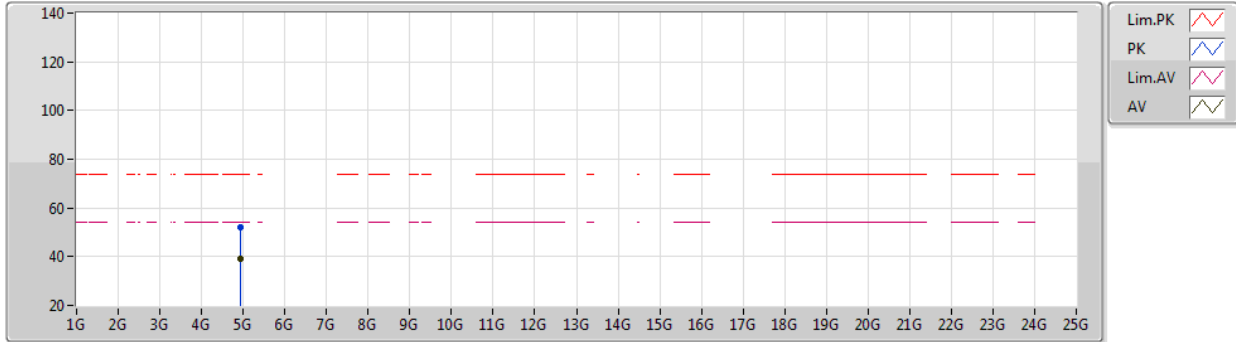
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.924G	55.42	74.00	-18.58	48.16	3	Vertical	75	1.11	-	33.22	5.86	31.82
AV	4.924G	46.45	54.00	-7.55	39.19	3	Vertical	75	1.11	-	33.22	5.86	31.82



802.11g\_Nss1,(6Mbps)\_2TX

08/09/2020

2462MHz\_TX



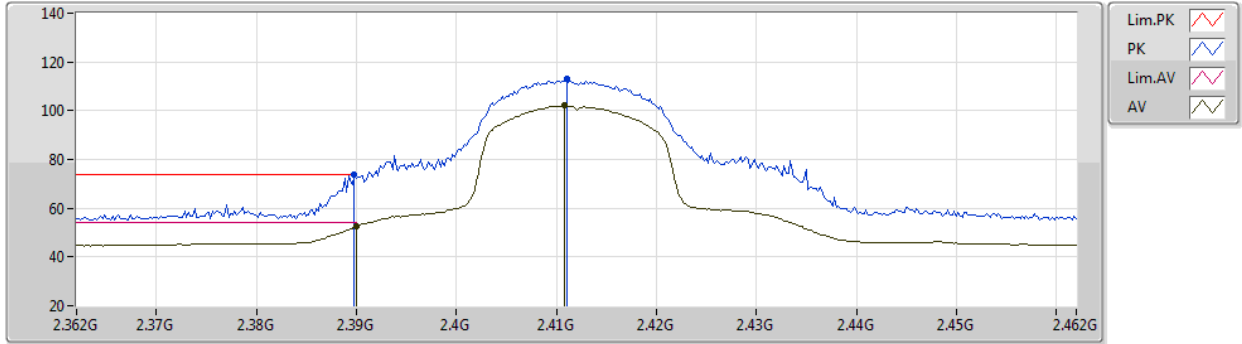
EUT Z\_2TX  
Setting 15  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92372G	52.27	74.00	-21.73	45.01	3	Horizontal	293	1.36	-	33.22	5.86	31.82
AV	4.9242G	39.35	54.00	-14.65	32.09	3	Horizontal	293	1.36	-	33.22	5.86	31.82

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2412MHz\_TX



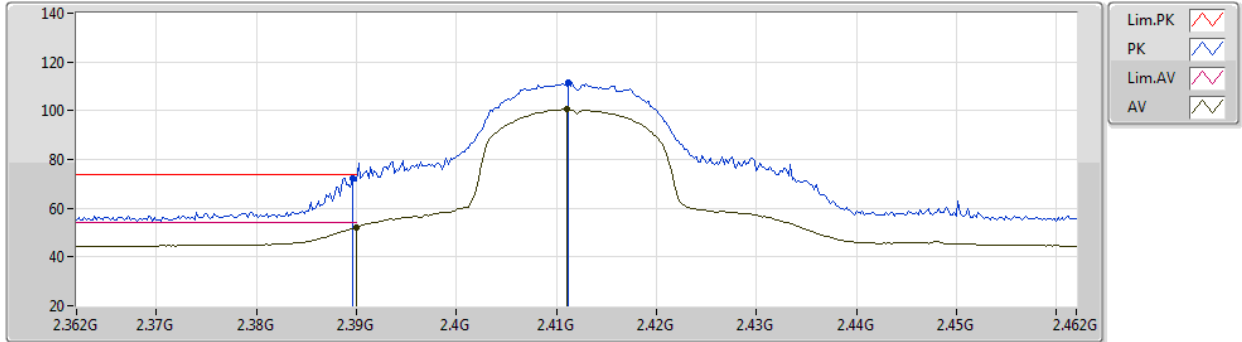
EUT\_Z\_2TX  
Setting 16  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	73.56	74.00	-0.44	41.79	3	Vertical	0	2.06	-	28.27	3.50	-
AV	2.39G	52.43	54.00	-1.57	20.66	3	Vertical	0	2.06	-	28.27	3.50	-
PK	2.411G	113.31	Inf	-Inf	81.47	3	Vertical	0	2.06	-	28.33	3.51	-
AV	2.4108G	102.06	Inf	-Inf	70.22	3	Vertical	0	2.06	-	28.33	3.51	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2412MHz\_TX



EUT Z\_2TX  
Setting 16  
02-C-E-2

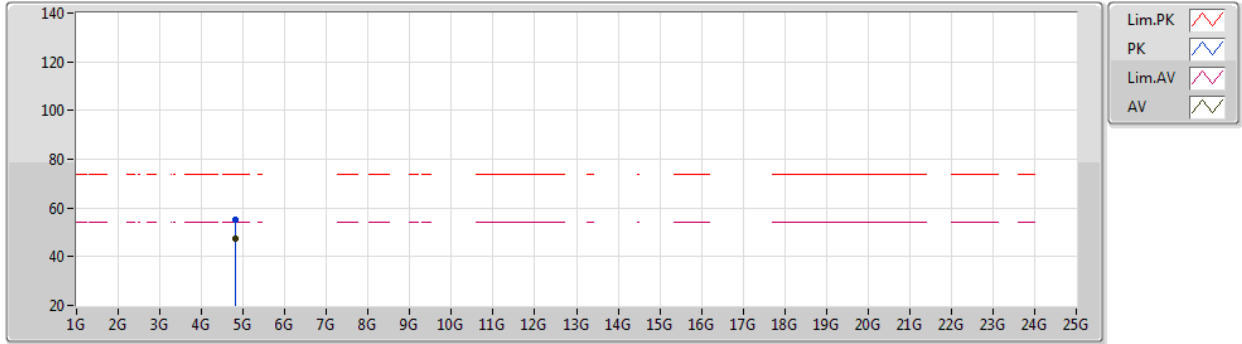
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3896G	72.35	74.00	-1.65	40.58	3	Horizontal	47	2.49	-	28.27	3.50	-
AV	2.39G	52.21	54.00	-1.79	20.44	3	Horizontal	47	2.49	-	28.27	3.50	-
PK	2.4112G	111.69	Inf	-Inf	79.85	3	Horizontal	47	2.49	-	28.33	3.51	-
AV	2.411G	100.58	Inf	-Inf	68.74	3	Horizontal	47	2.49	-	28.33	3.51	-



VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2412MHz\_TX



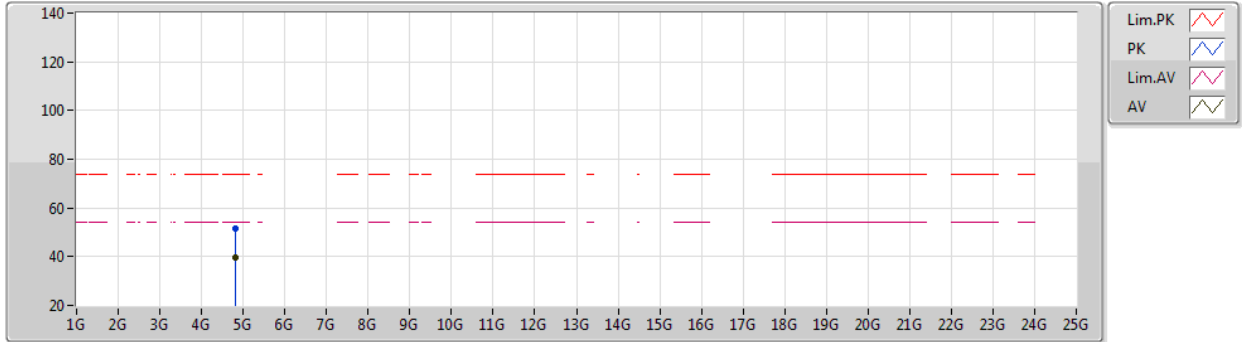
EUT Z\_2TX  
Setting 16  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.82396G	55.32	74.00	-18.68	48.39	3	Vertical	74	2.94	-	32.90	5.81	31.78
AV	4.82396G	47.19	54.00	-6.81	40.26	3	Vertical	74	2.94	-	32.90	5.81	31.78

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2412MHz\_TX



EUT Z\_2TX  
Setting 16  
02-C-E-2

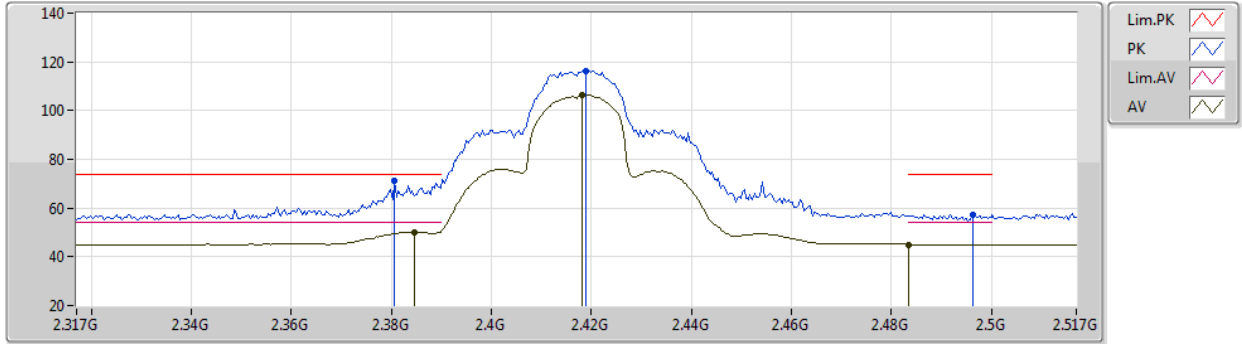
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PK	4.8256G	51.66	74.00	-22.34	44.73	3	Horizontal	238	2.97	-	32.90	5.81	31.78
AV	4.82396G	39.51	54.00	-14.49	32.58	3	Horizontal	238	2.97	-	32.90	5.81	31.78



VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2417MHz\_TX



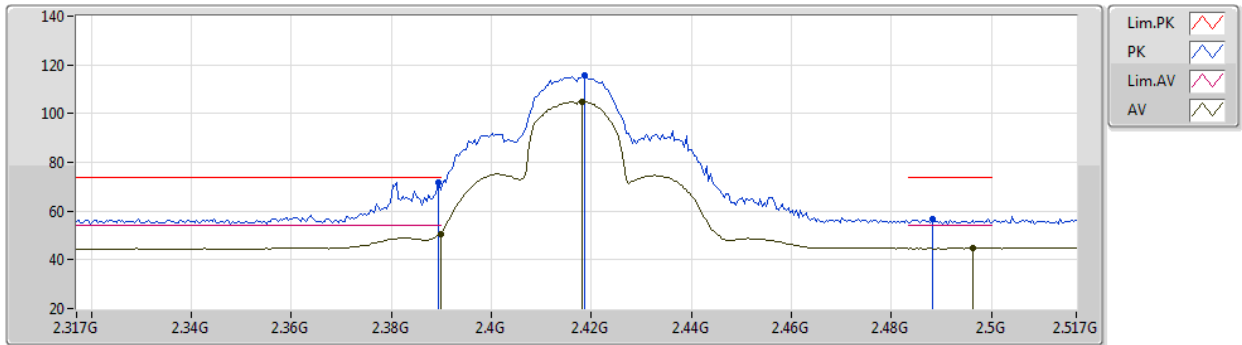
EUT\_Z\_2TX  
Setting 20.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3806G	71.18	74.00	-2.82	39.44	3	Vertical	353	2.80	-	28.24	3.50	-
AV	2.3846G	50.13	54.00	-3.87	18.38	3	Vertical	353	2.80	-	28.25	3.50	-
PK	2.419G	116.44	Inf	-Inf	84.56	3	Vertical	353	2.80	-	28.36	3.52	-
AV	2.4182G	106.38	Inf	-Inf	74.51	3	Vertical	353	2.80	-	28.35	3.52	-
PK	2.4962G	57.37	74.00	-16.63	25.18	3	Vertical	353	2.80	-	28.59	3.60	-
AV	2.4835G	45.06	54.00	-8.94	12.93	3	Vertical	353	2.80	-	28.55	3.58	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2417MHz\_TX



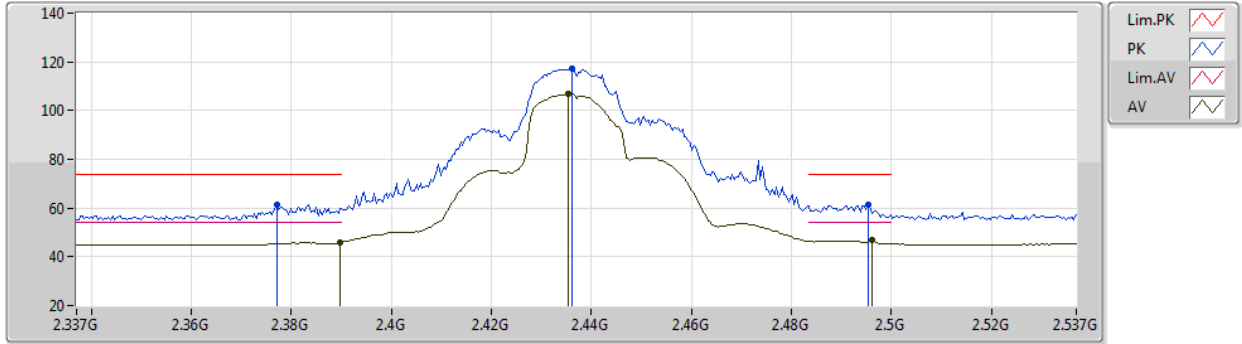
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Setting 20.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3894G	71.53	74.00	-2.47	39.76	3	Horizontal	47	2.49	-	28.27	3.50	-
AV	2.3898G	50.50	54.00	-3.50	18.73	3	Horizontal	47	2.49	-	28.27	3.50	-
PK	2.4186G	115.67	Inf	-Inf	83.79	3	Horizontal	47	2.49	-	28.36	3.52	-
AV	2.4182G	104.81	Inf	-Inf	72.94	3	Horizontal	47	2.49	-	28.35	3.52	-
PK	2.4882G	56.61	74.00	-17.39	24.46	3	Horizontal	47	2.49	-	28.56	3.59	-
AV	2.4962G	44.82	54.00	-9.18	12.63	3	Horizontal	47	2.49	-	28.59	3.60	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



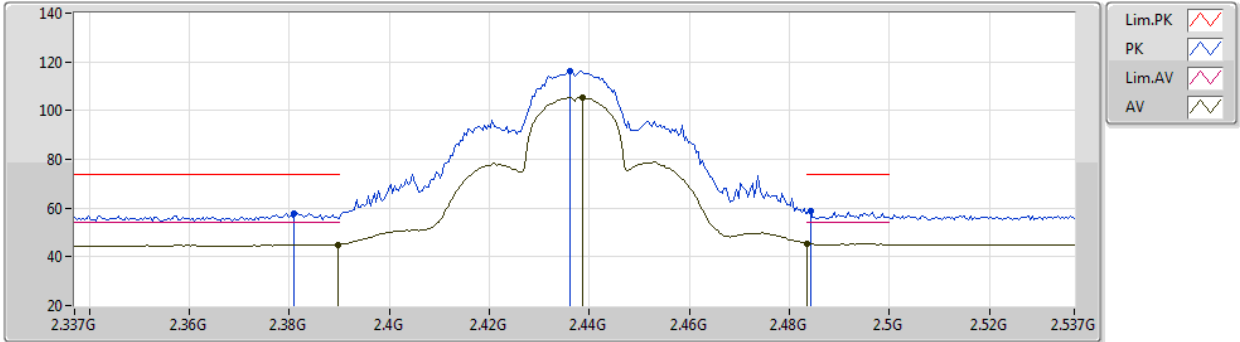
EUT\_Z\_2TX  
Setting 20.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.377G	61.63	74.00	-12.37	29.90	3	Vertical	13	3.00	-	28.23	3.50	-
AV	2.3898G	45.73	54.00	-8.27	13.96	3	Vertical	13	3.00	-	28.27	3.50	-
PK	2.4362G	117.41	Inf	-Inf	85.46	3	Vertical	13	3.00	-	28.41	3.54	-
AV	2.4354G	106.76	Inf	-Inf	74.81	3	Vertical	13	3.00	-	28.41	3.54	-
PK	2.4954G	61.42	74.00	-12.58	29.23	3	Vertical	13	3.00	-	28.59	3.60	-
AV	2.4962G	47.14	54.00	-6.86	14.95	3	Vertical	13	3.00	-	28.59	3.60	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



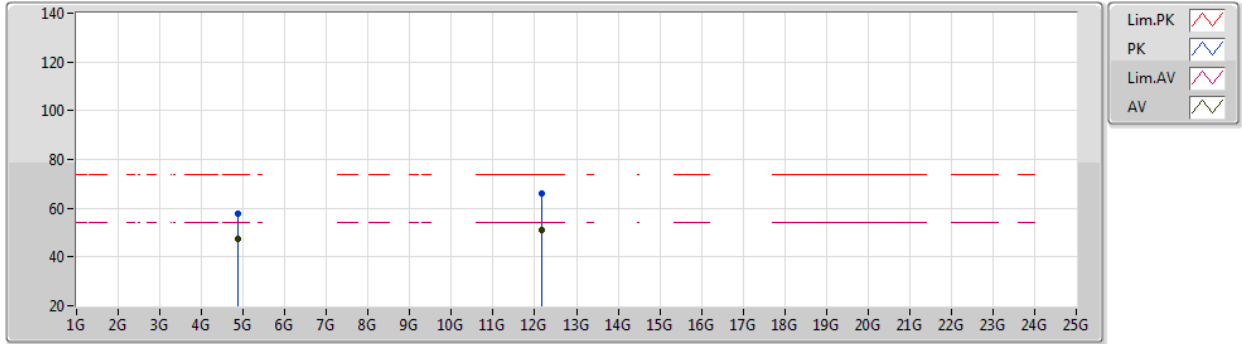
EUT Z\_2TX  
Setting 20.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.381G	57.67	74.00	-16.33	25.93	3	Horizontal	41	2.74	-	28.24	3.50	-
AV	2.3898G	44.93	54.00	-9.07	13.16	3	Horizontal	41	2.74	-	28.27	3.50	-
PK	2.4362G	116.16	Inf	-Inf	84.21	3	Horizontal	41	2.74	-	28.41	3.54	-
AV	2.4386G	105.36	Inf	-Inf	73.40	3	Horizontal	41	2.74	-	28.42	3.54	-
PK	2.4842G	59.03	74.00	-14.97	26.90	3	Horizontal	41	2.74	-	28.55	3.58	-
AV	2.4835G	45.53	54.00	-8.47	13.40	3	Horizontal	41	2.74	-	28.55	3.58	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



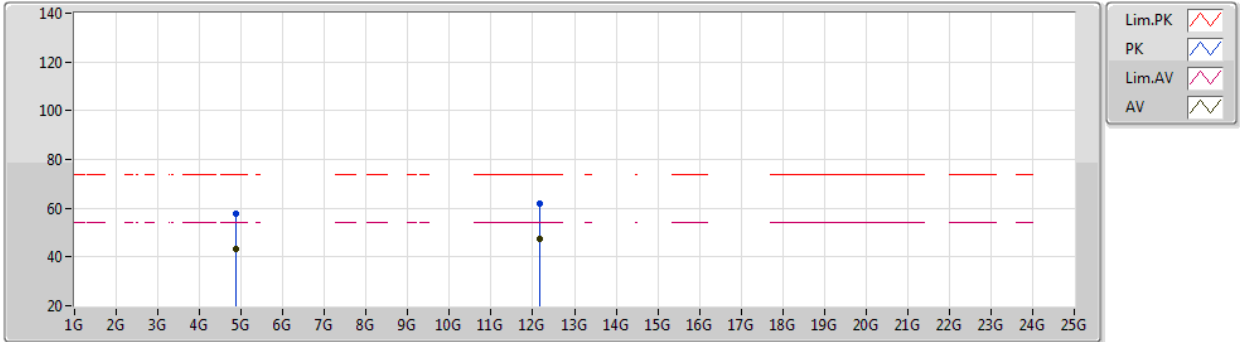
EUT\_Z\_2TX  
Setting 20.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87384G	57.78	74.00	-16.22	50.64	3	Vertical	70	2.46	-	33.10	5.84	31.80
AV	4.874G	47.18	54.00	-6.82	40.04	3	Vertical	70	2.46	-	33.10	5.84	31.80
PK	12.1812G	65.84	74.00	-8.16	50.48	3	Vertical	319	2.70	-	39.26	8.97	32.87
AV	12.1803G	50.95	54.00	-3.05	35.59	3	Vertical	319	2.70	-	39.26	8.97	32.87

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



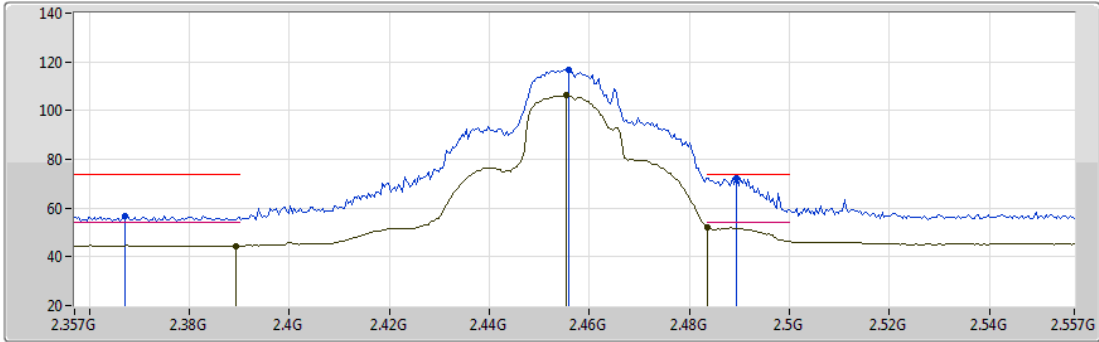
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Setting 20.5  
02-C-E-2




Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87444G	57.80	74.00	-16.20	50.66	3	Horizontal	334	1.00	-	33.10	5.84	31.80
AV	4.87396G	43.40	54.00	-10.60	36.26	3	Horizontal	334	1.00	-	33.10	5.84	31.80
PK	12.1812G	61.69	74.00	-12.31	46.33	3	Horizontal	218	1.97	-	39.26	8.97	32.87
AV	12.1803G	47.66	54.00	-6.34	32.30	3	Horizontal	218	1.97	-	39.26	8.97	32.87

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2457MHz\_TX



Lim.PK   
 PK   
 Lim.AV   
 AV 

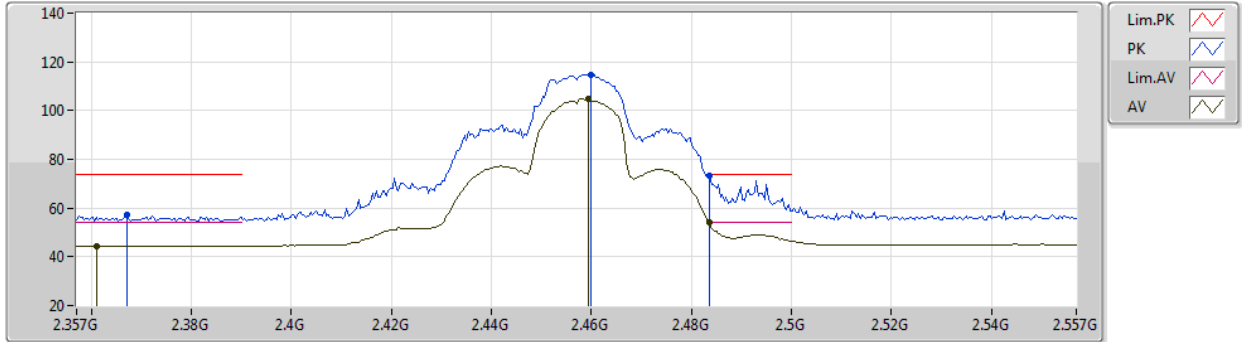
EUT Z\_2TX  
Setting 19.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.367G	56.69	74.00	-17.31	24.99	3	Vertical	14	2.75	-	28.20	3.50	-
AV	2.3894G	44.56	54.00	-9.44	12.79	3	Vertical	14	2.75	-	28.27	3.50	-
PK	2.4558G	116.89	Inf	-Inf	84.86	3	Vertical	14	2.75	-	28.47	3.56	-
AV	2.4554G	106.28	Inf	-Inf	74.25	3	Vertical	14	2.75	-	28.47	3.56	-
AV	2.4835G	52.24	54.00	-1.76	20.11	3	Vertical	14	2.75	-	28.55	3.58	-
PK	2.4894G	72.49	74.00	-1.51	40.33	3	Vertical	14	2.75	-	28.57	3.59	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2457MHz\_TX



EUT Z\_2TX  
Setting 19.5  
02-C-E-2

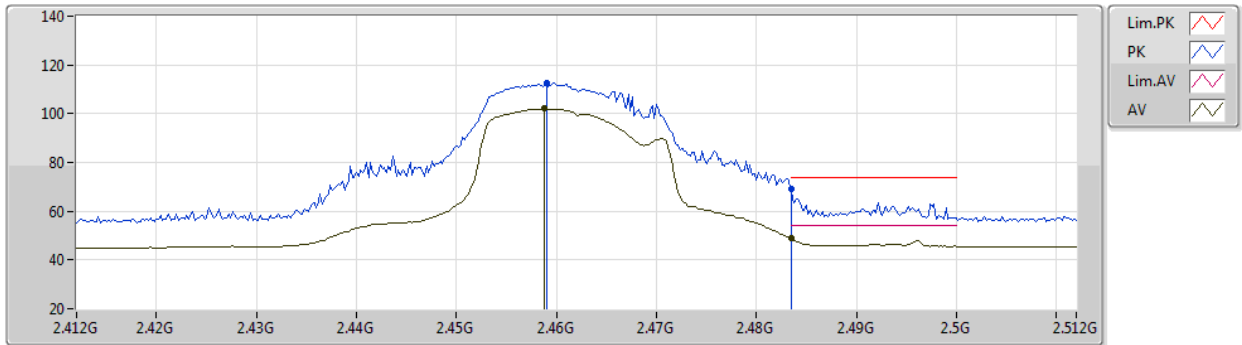
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.367G	57.00	74.00	-17.00	25.30	3	Horizontal	39	2.70	-	28.20	3.50	-
AV	2.361G	44.43	54.00	-9.57	12.75	3	Horizontal	39	2.70	-	28.18	3.50	-
PK	2.4598G	114.75	Inf	-Inf	82.71	3	Horizontal	39	2.70	-	28.48	3.56	-
AV	2.4594G	104.76	Inf	-Inf	72.72	3	Horizontal	39	2.70	-	28.48	3.56	-
PK	2.4835G	73.36	74.00	-0.64	41.23	3	Horizontal	39	2.70	-	28.55	3.58	-
AV	2.4835G	53.89	54.00	-0.11	21.76	3	Horizontal	39	2.70	-	28.55	3.58	-



VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2462MHz\_TX



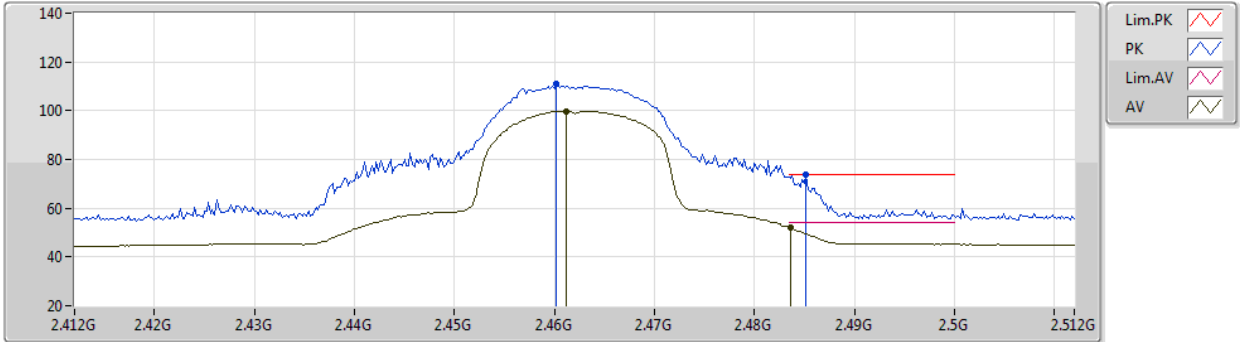
EUT Z\_2TX  
Setting 14.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.459G	112.68	Inf	-Inf	80.64	3	Vertical	17	2.74	-	28.48	3.56	-
AV	2.4588G	102.02	Inf	-Inf	69.98	3	Vertical	17	2.74	-	28.48	3.56	-
PK	2.4835G	69.30	74.00	-4.70	37.17	3	Vertical	17	2.74	-	28.55	3.58	-
AV	2.4835G	48.71	54.00	-5.29	16.58	3	Vertical	17	2.74	-	28.55	3.58	-

VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2462MHz\_TX



EUT Z\_2TX  
Setting 14.5  
02-C-E-2

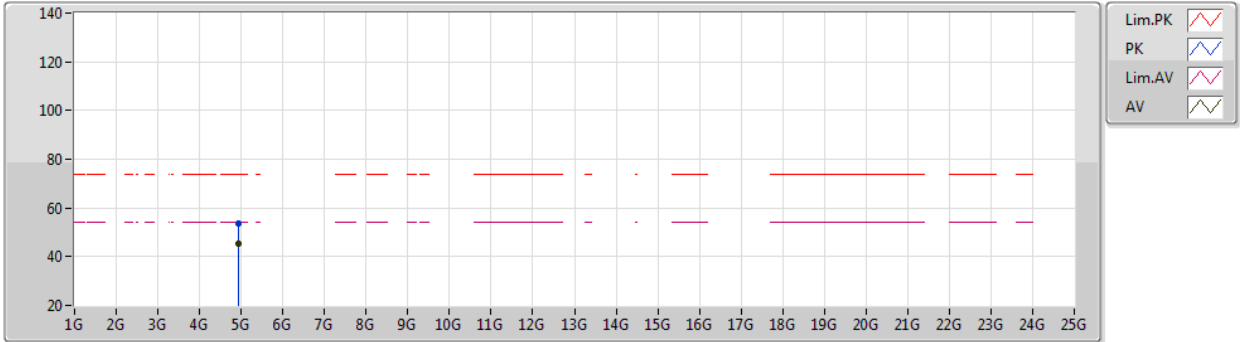
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PK	2.4602G	110.98	Inf	-Inf	78.94	3	Horizontal	41	2.69	-	28.48	3.56	-
AV	2.4612G	99.86	Inf	-Inf	67.82	3	Horizontal	41	2.69	-	28.48	3.56	-
PK	2.4852G	73.80	74.00	-0.20	41.65	3	Horizontal	41	2.69	-	28.56	3.59	-
AV	2.4836G	52.13	54.00	-1.87	20.00	3	Horizontal	41	2.69	-	28.55	3.58	-



VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2462MHz\_TX



EUT Z\_2TX  
Setting 14.5  
02-C-E-2

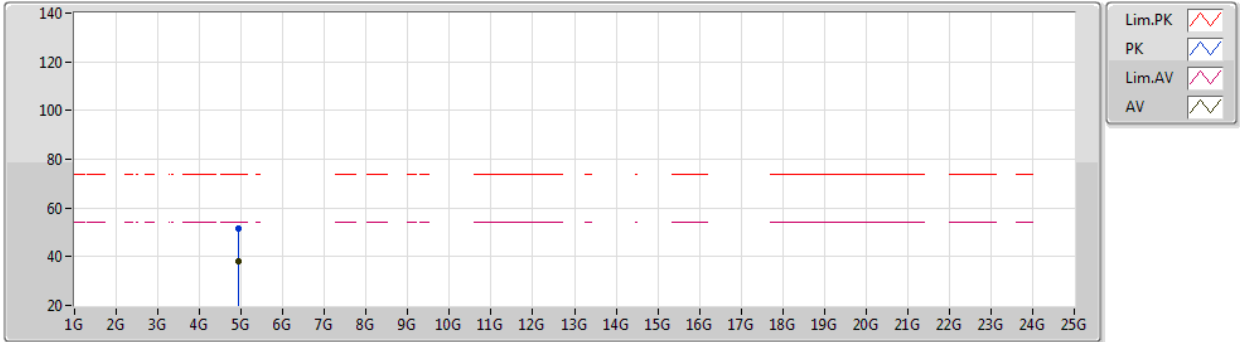
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92428G	53.81	74.00	-20.19	46.55	3	Vertical	65	1.12	-	33.22	5.86	31.82
AV	4.924G	45.48	54.00	-8.52	38.22	3	Vertical	65	1.12	-	33.22	5.86	31.82



VHT20\_Nss1,(MCS0)\_2TX

08/09/2020

2462MHz\_TX



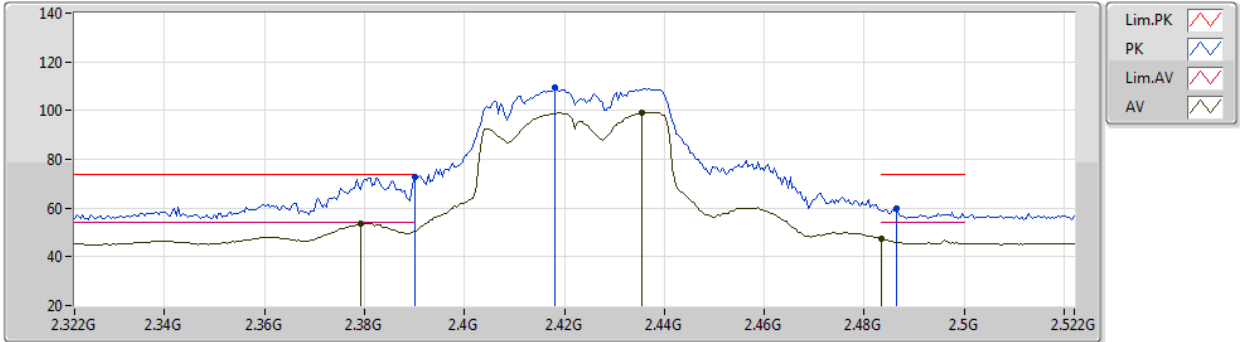
EUT Z\_2TX  
Setting 14.5  
02-C-E-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.92404G	51.70	74.00	-22.30	44.44	3	Horizontal	83	2.32	-	33.22	5.86	31.82
AV	4.92392G	37.99	54.00	-16.01	30.73	3	Horizontal	83	2.32	-	33.22	5.86	31.82

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2422MHz\_TX



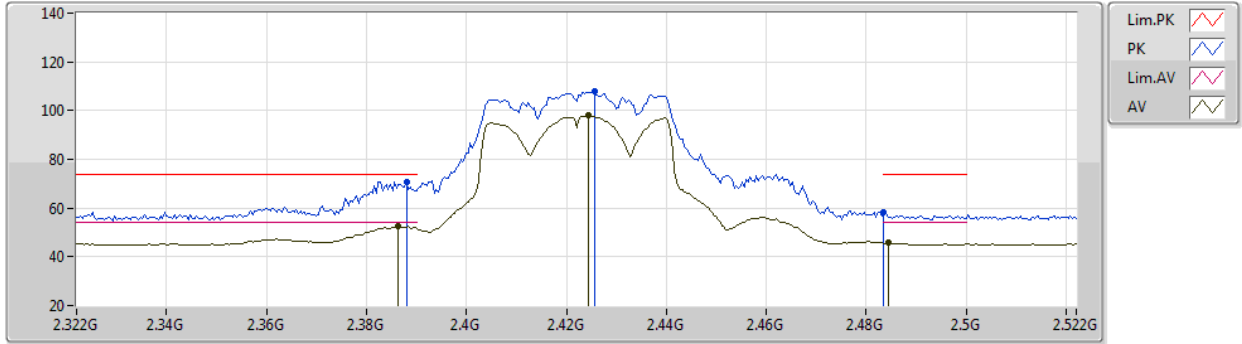
EUT Z\_2TX  
Setting 16  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.39G	72.52	74.00	-1.48	40.75	3	Vertical	152	2.82	-	28.27	3.50	-
AV	2.3792G	53.76	54.00	-0.24	22.02	3	Vertical	152	2.82	-	28.24	3.50	-
PK	2.418G	109.24	Inf	-Inf	77.37	3	Vertical	152	2.82	-	28.35	3.52	-
AV	2.4356G	99.36	Inf	-Inf	67.41	3	Vertical	152	2.82	-	28.41	3.54	-
PK	2.4864G	59.62	74.00	-14.38	27.47	3	Vertical	152	2.82	-	28.56	3.59	-
AV	2.4835G	47.17	54.00	-6.83	15.04	3	Vertical	152	2.82	-	28.55	3.58	-

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2422MHz\_TX



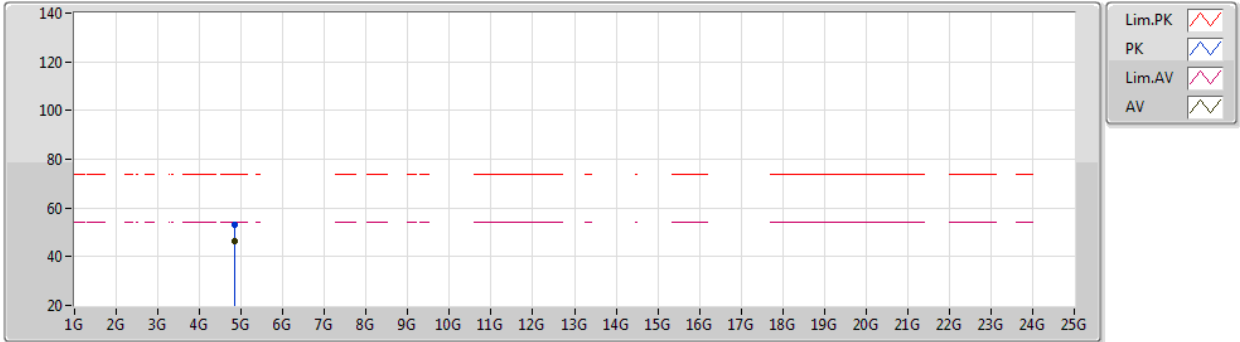
EUT\_Z\_2TX  
Setting 16  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.388G	70.84	74.00	-3.16	39.08	3	Horizontal	38	2.74	-	28.26	3.50	-
AV	2.3864G	52.42	54.00	-1.58	20.66	3	Horizontal	38	2.74	-	28.26	3.50	-
PK	2.4256G	107.84	Inf	-Inf	75.93	3	Horizontal	38	2.74	-	28.38	3.53	-
AV	2.4244G	97.85	Inf	-Inf	65.96	3	Horizontal	38	2.74	-	28.37	3.52	-
PK	2.4835G	58.36	74.00	-15.64	26.23	3	Horizontal	38	2.74	-	28.55	3.58	-
AV	2.4844G	45.66	54.00	-8.34	13.53	3	Horizontal	38	2.74	-	28.55	3.58	-

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2422MHz\_TX



EUT Z\_2TX  
Setting 16  
02-C-L-2

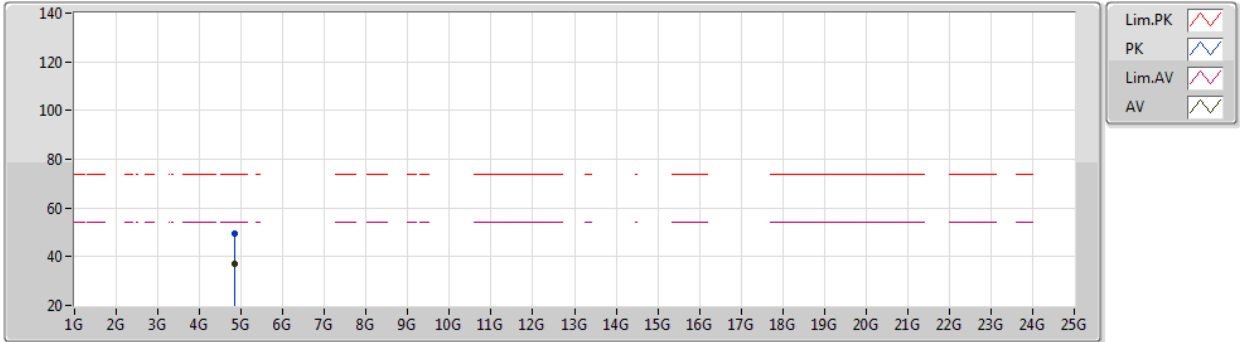
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84418G	53.33	74.00	-20.67	46.32	3	Vertical	73	2.93	-	32.98	5.82	31.79
AV	4.844G	46.34	54.00	-7.66	39.33	3	Vertical	73	2.93	-	32.98	5.82	31.79



VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2422MHz\_TX



EUT Z\_2TX  
Setting 16  
02-C-L-2

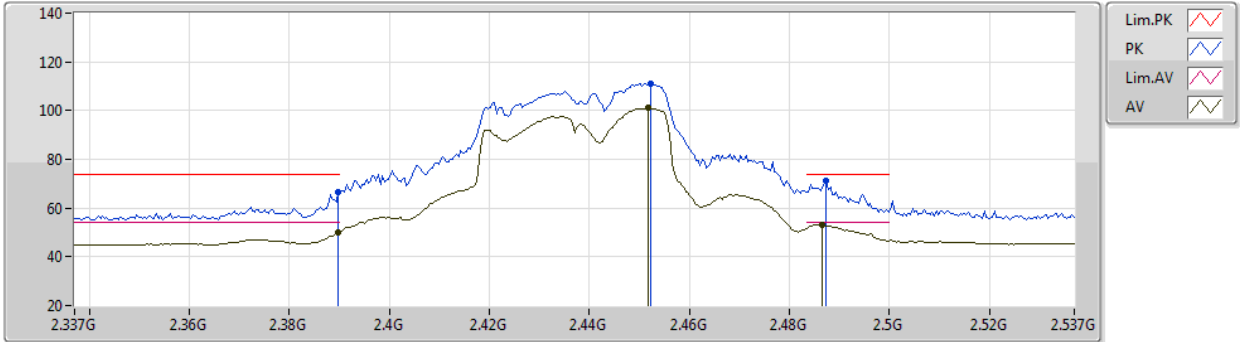
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.84394G	49.60	74.00	-24.40	42.59	3	Horizontal	92	2.03	-	32.98	5.82	31.79
AV	4.84394G	37.07	54.00	-16.93	30.06	3	Horizontal	92	2.03	-	32.98	5.82	31.79



VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



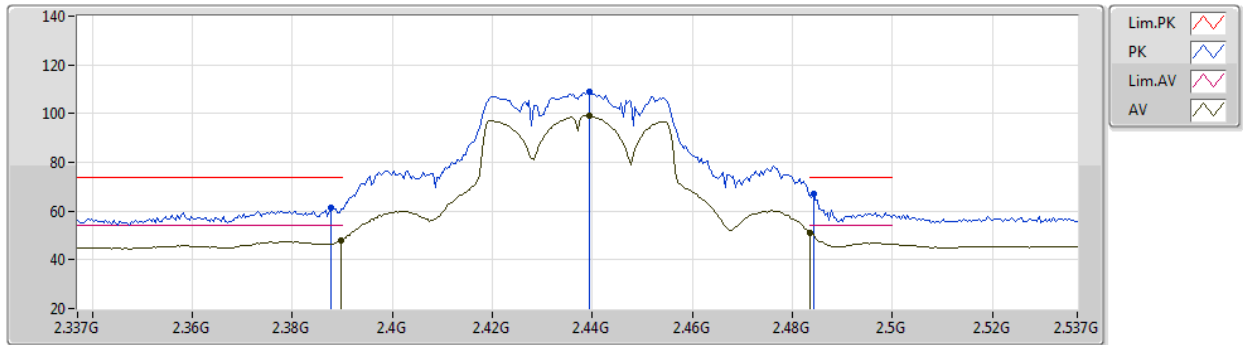
EUT\_Z\_2TX  
Setting 17  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3898G	66.34	74.00	-7.66	34.57	3	Vertical	21	1.40	-	28.27	3.50	-
AV	2.3898G	49.89	54.00	-4.11	18.12	3	Vertical	21	1.40	-	28.27	3.50	-
PK	2.4522G	111.03	Inf	-Inf	79.02	3	Vertical	21	1.40	-	28.46	3.55	-
AV	2.4518G	100.96	Inf	-Inf	68.95	3	Vertical	21	1.40	-	28.46	3.55	-
PK	2.4874G	71.36	74.00	-2.64	39.21	3	Vertical	21	1.40	-	28.56	3.59	-
AV	2.4866G	53.30	54.00	-0.70	21.15	3	Vertical	21	1.40	-	28.56	3.59	-

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



EUT Z\_2TX  
Setting 17  
02-C-L-2

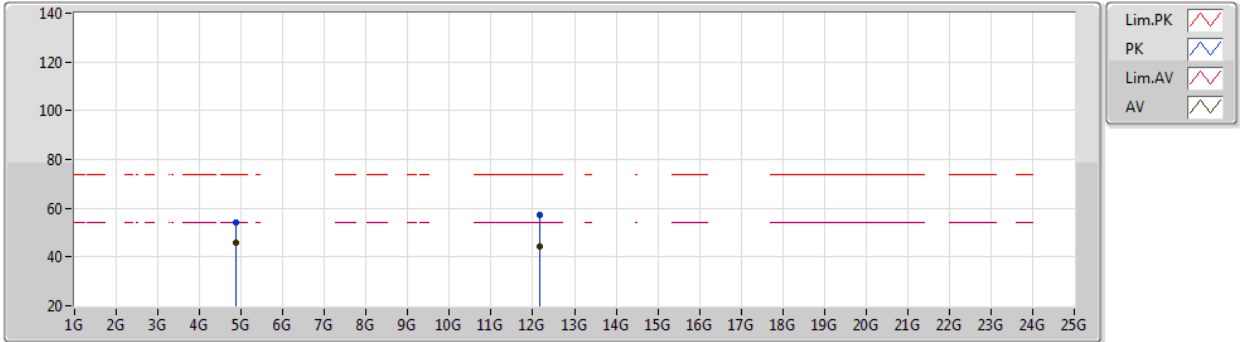
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3878G	61.44	74.00	-12.56	29.68	3	Horizontal	38	2.74	-	28.26	3.50	-
AV	2.3898G	47.91	54.00	-6.09	16.14	3	Horizontal	38	2.74	-	28.27	3.50	-
PK	2.4394G	108.82	Inf	-Inf	76.86	3	Horizontal	38	2.74	-	28.42	3.54	-
AV	2.4394G	99.08	Inf	-Inf	67.12	3	Horizontal	38	2.74	-	28.42	3.54	-
PK	2.4842G	66.96	74.00	-7.04	34.83	3	Horizontal	38	2.74	-	28.55	3.58	-
AV	2.4835G	51.23	54.00	-2.77	19.10	3	Horizontal	38	2.74	-	28.55	3.58	-



VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



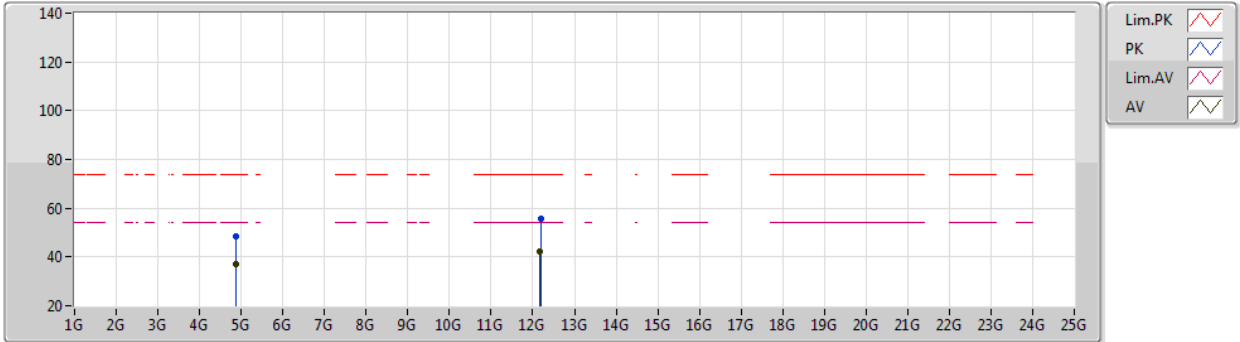
EUT\_Z\_2TX  
Setting 17  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.874G	54.39	74.00	-19.61	47.25	3	Vertical	78	1.77	-	33.10	5.84	31.80
AV	4.874G	45.75	54.00	-8.25	38.61	3	Vertical	78	1.77	-	33.10	5.84	31.80
PK	12.1811G	57.25	74.00	-16.75	41.89	3	Vertical	319	2.21	-	39.26	8.97	32.87
AV	12.18092G	44.08	54.00	-9.92	28.72	3	Vertical	319	2.21	-	39.26	8.97	32.87

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2437MHz\_TX



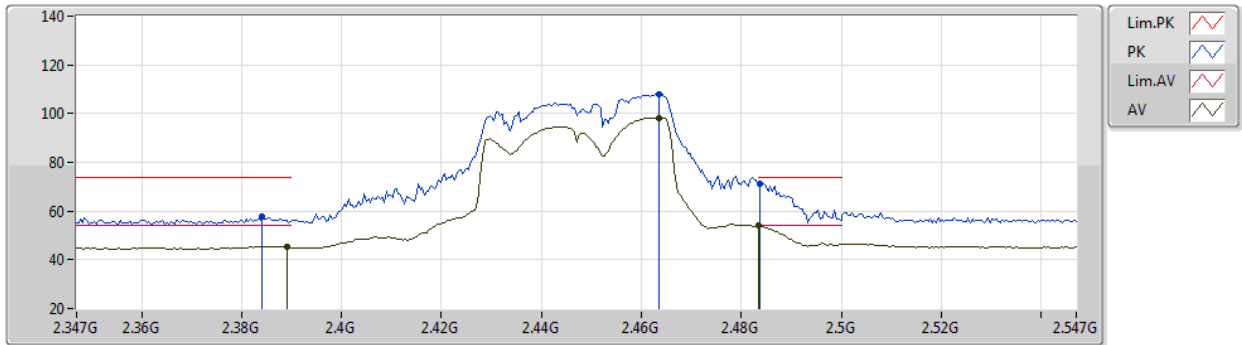
EUT\_Z\_2TX  
Setting 17  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.87376G	48.33	74.00	-25.67	41.19	3	Horizontal	243	2.90	-	33.10	5.84	31.80
AV	4.874G	37.27	54.00	-16.73	30.13	3	Horizontal	243	2.90	-	33.10	5.84	31.80
PK	12.19388G	55.55	74.00	-18.45	40.18	3	Horizontal	137	1.82	-	39.26	8.97	32.86
AV	12.17978G	42.49	54.00	-11.51	27.13	3	Horizontal	137	1.82	-	39.26	8.97	32.87

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2447MHz\_TX



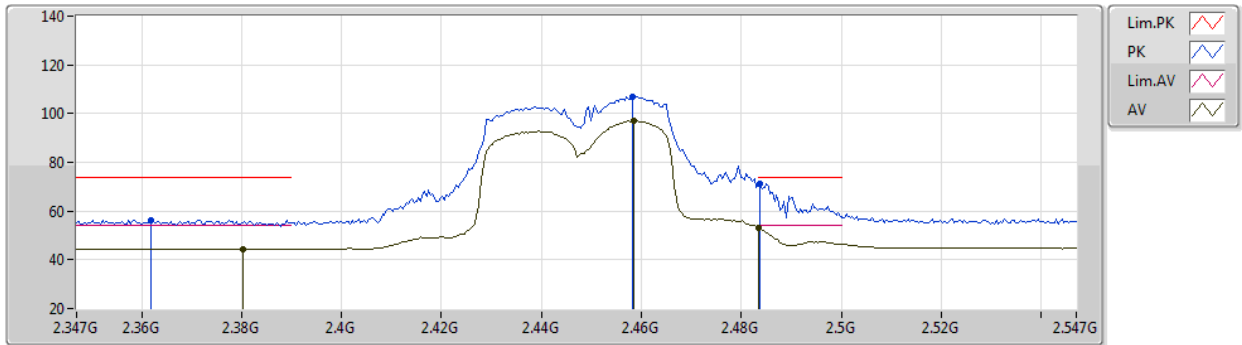
EUT Z\_2TX  
Setting 14.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3842G	57.59	74.00	-16.41	25.84	3	Vertical	13	1.00	-	28.25	3.50	-
AV	2.389G	45.42	54.00	-8.58	13.65	3	Vertical	13	1.00	-	28.27	3.50	-
PK	2.4634G	108.12	Inf	-Inf	76.07	3	Vertical	13	1.00	-	28.49	3.56	-
AV	2.4634G	98.27	Inf	-Inf	66.22	3	Vertical	13	1.00	-	28.49	3.56	-
PK	2.4838G	71.16	74.00	-2.84	39.03	3	Vertical	13	1.00	-	28.55	3.58	-
AV	2.4835G	53.97	54.00	-0.03	21.84	3	Vertical	13	1.00	-	28.55	3.58	-

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2447MHz\_TX



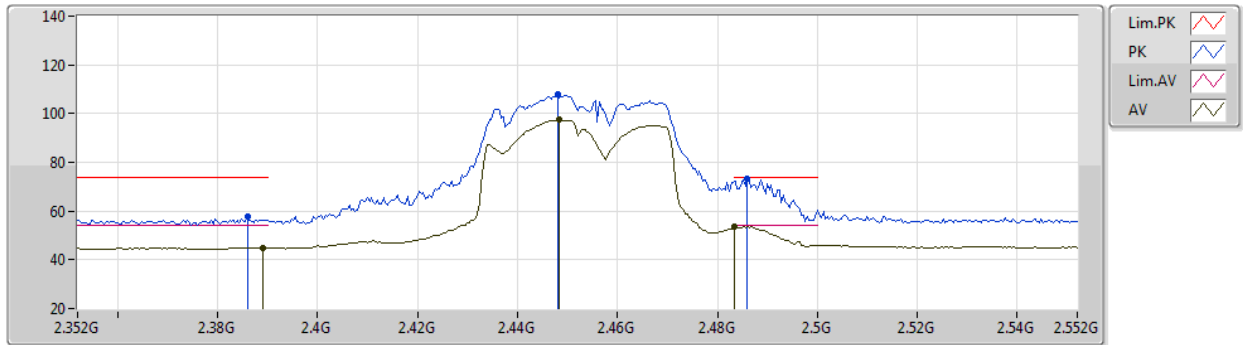
EUT Z\_2TX  
Setting 14.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3618G	56.25	74.00	-17.75	24.56	3	Horizontal	357	2.94	-	28.19	3.50	-
AV	2.3802G	44.55	54.00	-9.45	12.81	3	Horizontal	357	2.94	-	28.24	3.50	-
PK	2.4582G	107.02	Inf	-Inf	74.99	3	Horizontal	357	2.94	-	28.47	3.56	-
AV	2.4586G	97.13	Inf	-Inf	65.09	3	Horizontal	357	2.94	-	28.48	3.56	-
PK	2.4838G	71.35	74.00	-2.65	39.22	3	Horizontal	357	2.94	-	28.55	3.58	-
AV	2.4835G	53.26	54.00	-0.74	21.13	3	Horizontal	357	2.94	-	28.55	3.58	-

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2452MHz\_TX



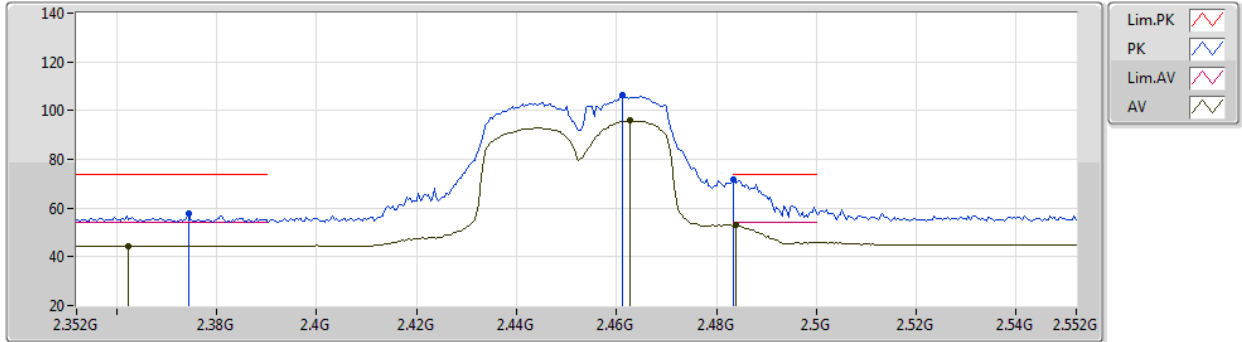
EUT Z\_2TX  
Setting 13.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.386G	57.67	74.00	-16.33	25.91	3	Vertical	18	1.40	-	28.26	3.50	-
AV	2.3892G	45.04	54.00	-8.96	13.27	3	Vertical	18	1.40	-	28.27	3.50	-
PK	2.448G	107.76	Inf	-Inf	75.77	3	Vertical	18	1.40	-	28.44	3.55	-
AV	2.4484G	97.44	Inf	-Inf	65.44	3	Vertical	18	1.40	-	28.45	3.55	-
PK	2.486G	73.21	74.00	-0.79	41.06	3	Vertical	18	1.40	-	28.56	3.59	-
AV	2.4835G	53.73	54.00	-0.27	21.60	3	Vertical	18	1.40	-	28.55	3.58	-

VHT40\_Nss1,(MCS0)\_2TX

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2452MHz\_TX



EUT Z\_2TX  
Setting 13.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	2.3744G	57.62	74.00	-16.38	25.90	3	Horizontal	356	2.95	-	28.22	3.50	-
AV	2.3624G	44.40	54.00	-9.60	12.71	3	Horizontal	356	2.95	-	28.19	3.50	-
PK	2.4612G	106.26	Inf	-Inf	74.22	3	Horizontal	356	2.95	-	28.48	3.56	-
AV	2.4628G	95.88	Inf	-Inf	63.83	3	Horizontal	356	2.95	-	28.49	3.56	-
PK	2.4835G	71.93	74.00	-2.07	39.80	3	Horizontal	356	2.95	-	28.55	3.58	-
AV	2.484G	52.90	54.00	-1.10	20.77	3	Horizontal	356	2.95	-	28.55	3.58	-

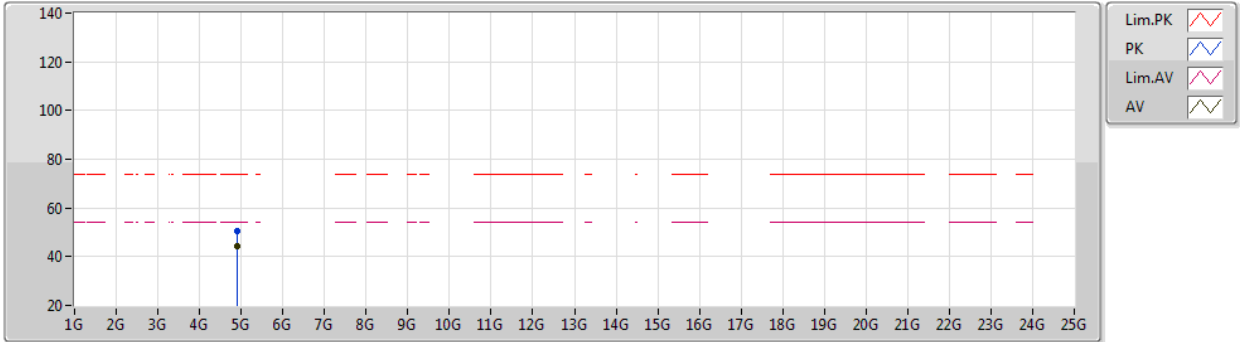




VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2452MHz\_TX



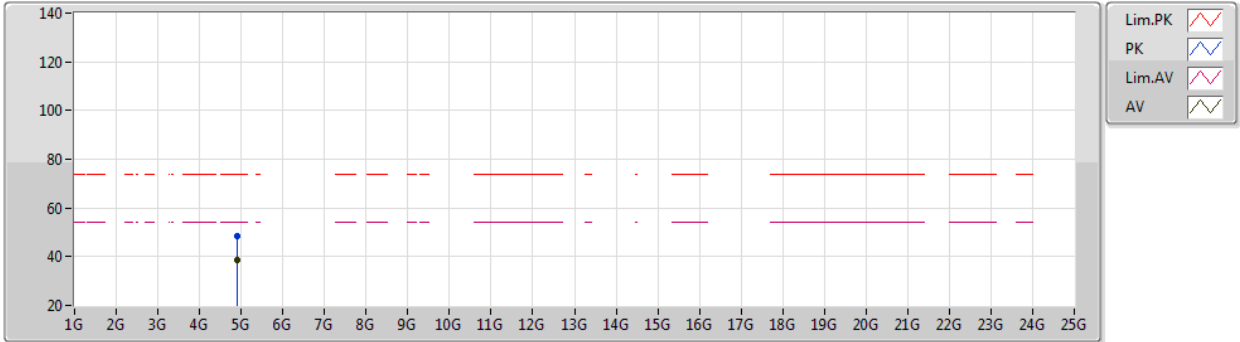
EUT Z\_2TX  
Setting 13.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90412G	50.28	74.00	-23.72	43.04	3	Vertical	59	2.73	-	33.20	5.85	31.81
AV	4.90406G	44.15	54.00	-9.85	36.91	3	Vertical	59	2.73	-	33.20	5.85	31.81

VHT40\_Nss1,(MCS0)\_2TX

08/09/2020

2452MHz\_TX



EUT Z\_2TX  
Setting 13.5  
02-C-L-2

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	4.90442G	48.36	74.00	-25.64	41.12	3	Horizontal	318	2.89	-	33.20	5.85	31.81
AV	4.904G	38.55	54.00	-15.45	31.31	3	Horizontal	318	2.89	-	33.20	5.85	31.81