



# FCC Radio Test Report

**FCC ID** : U4GSX5XLRWB  
**Equipment** : Rugged mobile computer with barcode reader XLR version  
**Brand Name** : Datalogic  
**Model Name** : Skorpion X5  
**Applicant/  
Manufacturer** : Datalogic S.r.l.  
Via S. Vitalino 13, 40012 Lippo di Calderara di Reno (BO) - Italy  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Jun. 08, 2020, and testing was started from Jun. 15, 2020 and completed on Mar. 18, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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### 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	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Conducted Output Power	PASS	-
3.4	15.407(a)	Peak Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and explanations:</b>
None

Reviewed by: Sam Tsai

Report Producer: Amber Chiu



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [8]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [3]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530	106 [1]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Antenna Type	Connector
1	Datalogic-USI	Skorpio X5 antenna	PIFA antenna	mini I-pex
2	Datalogic-USI	Skorpio X5 antenna	PIFA antenna	mini I-pex

Ant.	Port	Gain (dBi)					
		2.4G	5G				BT
			U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
1	1	1.7	2.6	3.5	3.5	3.8	1.7
2	2	1.5	3.6	3.6	4.2	4.2	-

Note 1: The EUT has two antennas.

**For 2.4GHz function:**

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

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

**For 5GHz function:**

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

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

**For BT function:**

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Ant. 1 (port 1) could transmit/receive.



1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / Host system / Battery			
EUT Function	<input type="checkbox"/>	Outdoor AP	<input type="checkbox"/>	Indoor AP
	<input type="checkbox"/>	Fixed P2P AP	<input checked="" type="checkbox"/>	Indoor Client
Beamforming Function	<input type="checkbox"/>	With beamforming	<input checked="" type="checkbox"/>	Without beamforming
TPC Function	<input checked="" type="checkbox"/>	With TPC Function	<input type="checkbox"/>	Without TPC Function
Weather Band	<input type="checkbox"/>	With 5600~5650MHz	<input checked="" type="checkbox"/>	Without 5600~5650MHz
Type of EUT				
<input checked="" type="checkbox"/>	Stand-alone			
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.: ...			
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:			
<input type="checkbox"/>	Other:			

1.1.4 Mode Test Duty Cycle

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.983	0.07	2.066m	10
802.11ac VHT20_Nss1,(MCS0)_2TX	0.982	0.08	1.934m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.964	0.16	953.75u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.93	0.32	465u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.



1.1.5 Table for Multiple Listing

Form factor	Dock connection	2.4G	5G	Bluetooth	NFC	WPC	Camera	Keypad	Scan engine	Description
Pistol	Wired (Pogo pin)	V	V	V				Functional	Extra Long Range	Pistol type with wired charging
Pistol	WLC (wireless)	V	V	V		V		Functional	Extra Long Range	Pistol type with wireless charging
Pistol	Wired (Pogo pin)	V	V	V				Numeric	Extra Long Range	Pistol type with wired charging
Pistol	WLC (wireless)	V	V	V		V		Numeric	Extra Long Range	Pistol type with wireless charging
Pistol	Wired (Pogo pin)	V	V	V				Alphanumeric	Extra Long Range	Pistol type with wired charging
Pistol	WLC (wireless)	V	V	V		V		Alphanumeric	Extra Long Range	Pistol type with wireless charging

Note: The information from manufacturer.



## 1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013
- ◆ KDB 789033 D02 v02r01

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

- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01

## 1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW1190 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	20.8~22.7°C / 54~58%	18/Mar/2021
RF Conducted	TH01-HY	Barry	22.6~24.1°C / 53~60%	15/Jun/2020~18/Jun/2020
Radiated (below 1GHz)	03CH03-HY	Edward	21.2~22.5°C / 53~58%	23/Feb/2021~02/Mar/2021
Radiated (above 1GHz)	03CH02-HY	Streak	21.2~23.8°C / 56~58%	16/Jun/2020~08/Sep/2020
Radiated (Co-location)	03CH03-HY	Streak	23.4~23.6°C / 53~58%	01/Aug/2020~26/Aug/2020
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

Laboratory number TAF 3785 is a spin-off from the original Laboratory number TAF 1190.

## 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)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Condition

Condition Item	Abbreviation/Remark	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

### 2.2 Test Channel Mode

Test Software Version	QRCT4
-----------------------	-------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17.5
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	17.5
5580MHz	17.5
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
5745MHz	17.5
5785MHz	17.5
5825MHz	17.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	18
5200MHz	19
5240MHz	19
5260MHz	19
5300MHz	19
5320MHz	18.5
5500MHz	12
5580MHz	19






Mode	Power Setting
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
5745MHz	19
5785MHz	19
5825MHz	19
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	15
5230MHz	17.5
5270MHz	17.5
5310MHz	13.5
5510MHz	15
5550MHz	17.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
5755MHz	17.5
5795MHz	17.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	14.5
5290MHz	12
5530MHz	14.5
5690MHz Straddle 5.47-5.725GHz	14.5
5690MHz Straddle 5.725-5.85GHz	14.5
5775MHz	14.5

### 2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral
<b>Operating Mode</b>	CTX
1	Adapter mode (Wired Pistol)
2	Adapter mode (WLC Pistol)
3	USB mode (WLC Pistol)

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
<b>Test Condition</b>	Conducted measurement at transmit chains
According to the manufacturer's declaration of product application, the brand and model name are same as FCC ID : U4GSX5WB.After evaluation and verify, the test data meet our expectation. Therefore the test data could be leveraged as FCC ID : U4GSX5XLRWB.	

The Worst Case Mode for Following Conformance Tests			
<b>Tests Item</b>	Unwanted Emissions		
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
<b>Operating Mode &lt; 1GHz</b>	CTX		
1	Adapter mode (Wired Pistol)		
2	Adapter mode (WLC Pistol)		
3	USB mode (WLC Pistol)		
<b>Operating Mode &gt; 1GHz</b>	CTX		
<b>Orthogonal Planes of EUT</b>	<b>X Plane</b>	<b>Y Plane</b>	<b>Z Plane</b>
			
<b>Worst Planes of EUT</b>			V
According to the manufacturer's declaration of product application, the brand and model name are same as FCC ID : U4GSX5WB.After evaluation and verify, the test data meet our expectation. Therefore the test data could be leveraged as FCC ID : U4GSX5XLRWB. (only Radiated measurement above 1G)			



The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Simultaneous Transmission Analysis
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode</b>	CTX
1	Bluetooth+WLAN 2.4GHz
2	Bluetooth+WLAN 5GHz
Refer to Sporton Test Report No.: FA9N0606-07 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	
According to the manufacturer's declaration of product application, the brand and model name are same as FCC ID : U4GSX5WB.After evaluation and verify, the test data meet our expectation. Therefore the test data could be leveraged as FCC ID : U4GSX5XLRWB.	

## 2.4 Accessories

Accessories				
AC Adapter	<b>Brand Name</b>	BI	<b>Model Name</b>	BI24-050300-I
	<b>Power Rating</b>	I/P: 100-240Vac, 0.8A, O/P: 5Vdc, 3A		
	<b>Power Cord</b>	1.5 meter, Shielded cable, with ferrite core		
Battery 1	<b>Brand Name</b>	Zhuhai Gushine Electronic Technology Co. Ltd.	<b>Model Name</b>	BY-07
	<b>Power Rating</b>	3.7Vdc, 3460mAh	<b>Type</b>	Li-Ion
Battery 2	<b>Brand Name</b>	Zhuhai Gushine Electronic Technology Co. Ltd.	<b>Model Name</b>	BY-08
	<b>Power Rating</b>	3.635Vdc, 6080mAh	<b>Type</b>	Li-Ion
USB Cable	<b>Power Cord</b>	1.5 meter, Shielded cable, w/o ferrite core		

Reminder: Regarding to more detail and other information, please refer to user manual.

## 2.5 Support Equipment

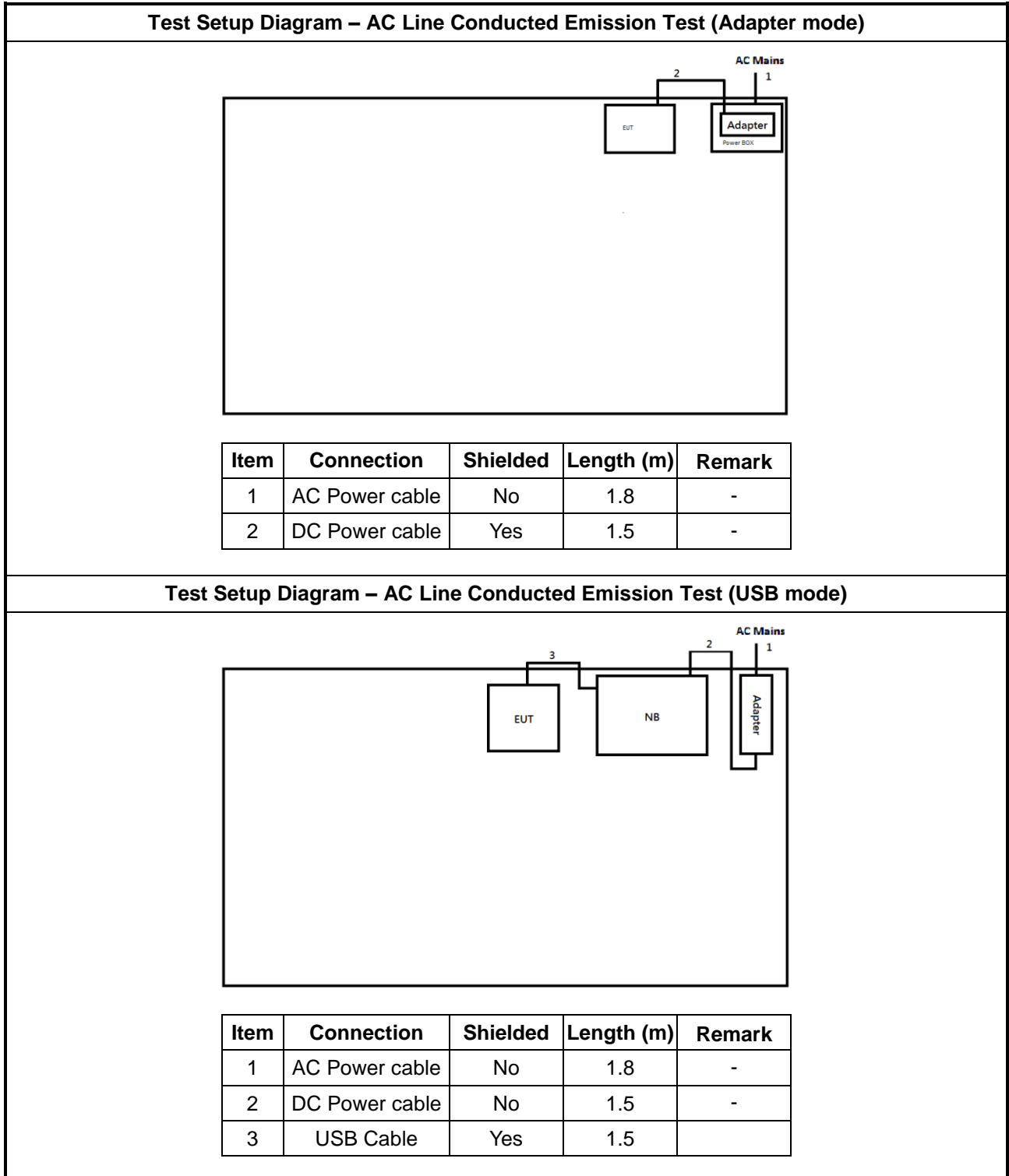
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	P06G	-	-
2	AC adapter for NB	DELL	AA90PM111	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

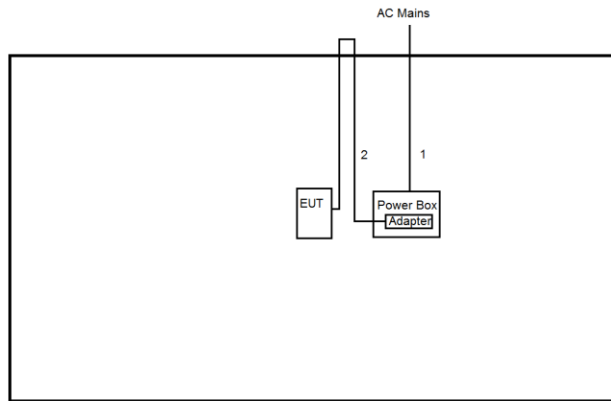
Support Equipment – Radiated below 1GHz					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	P06G	-	-
2	AC adapter for NB	DELL	AA90PM111	-	-

Support Equipment – Radiated above 1GHz					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	PP13S	-	-
2	AC adapter for NB	DELL	AA90PM111	-	-

## 2.6 Test Setup Diagram

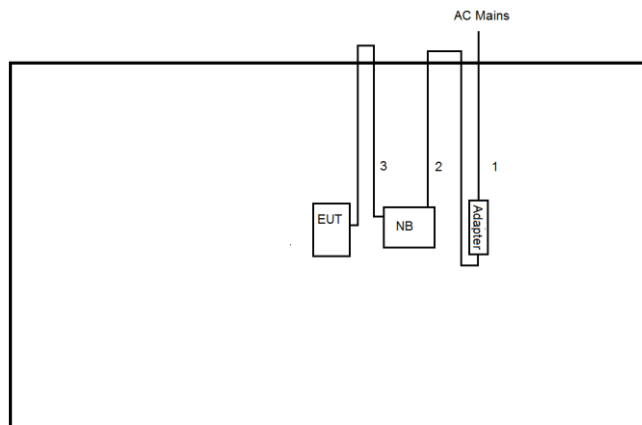


**Test Setup Diagram - Radiated Test (Adapter mode)**



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	Yes	1.5	-

**Test Setup Diagram - Radiated Test (USB mode)**



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.5	-
3	USB Cable	Yes	1.5	-





### 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

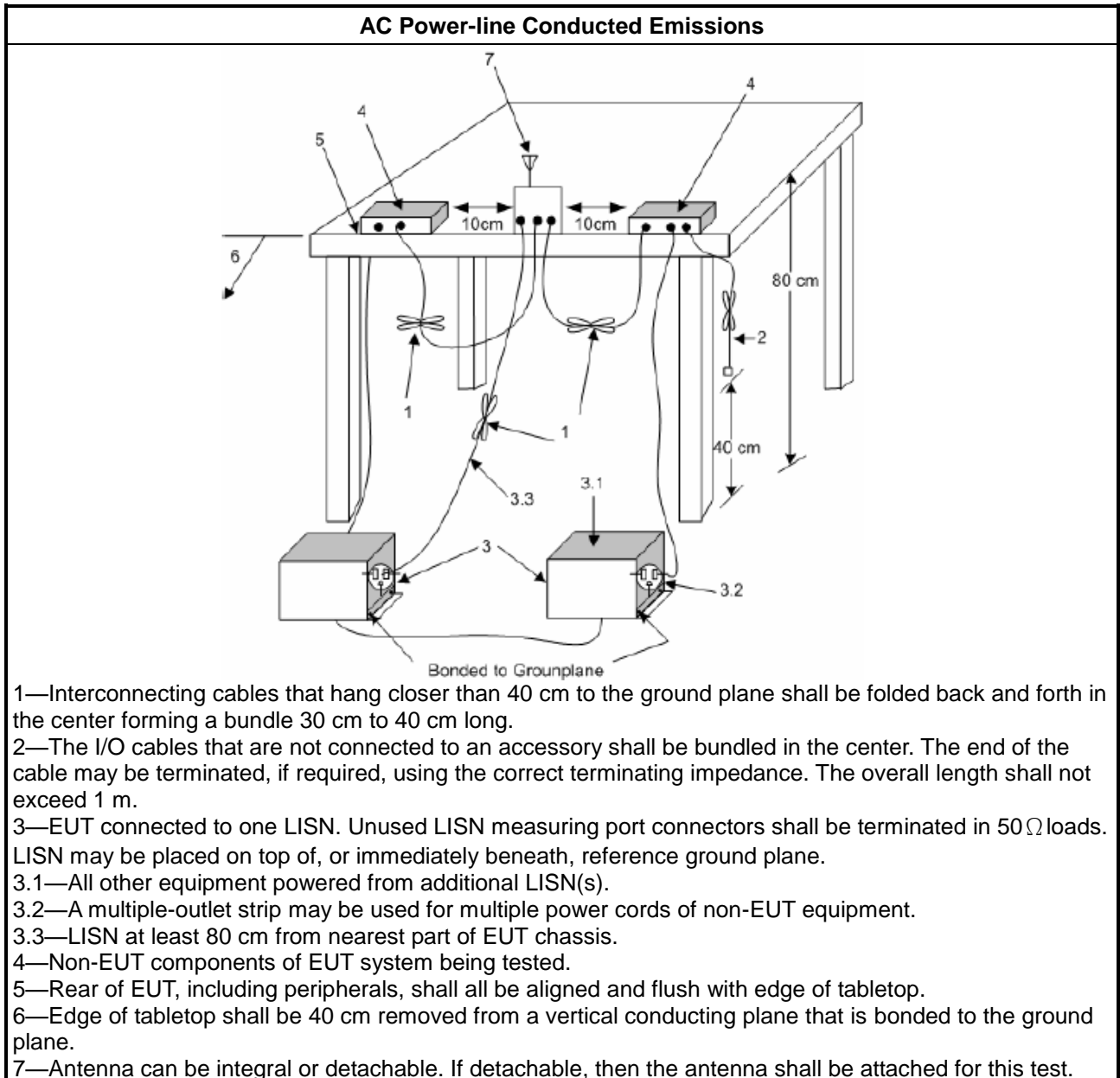
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

### 3.1.5 Test Setup



### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

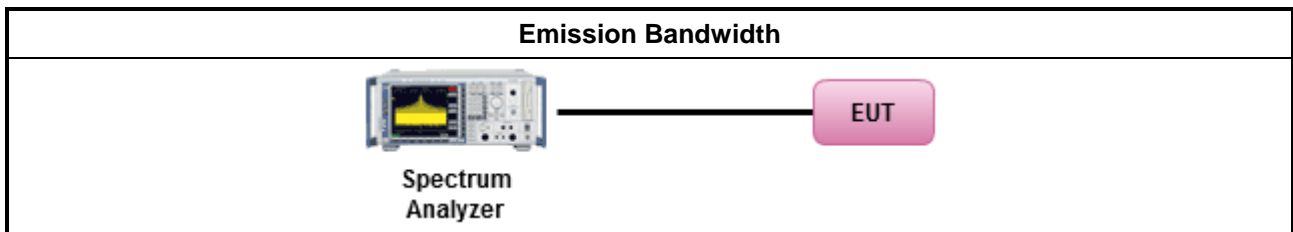
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for 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	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>. e.i.r.p. at any elevation angle above 30 degrees <math>\leq 125mW</math> [21dBm]</li> <li>▪ Indoor AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math></li> <li>▪ Point-to-point AP: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 250 mW. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 24 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power ( $P_{Out}$ ) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$ , where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the maximum conducted output power (<math>P_{Out}</math>) shall not exceed the lesser of 1 W.</li> </ul>
$P_{Out}$ = maximum conducted output power in dBm, $G_{TX}$ = the maximum transmitting antenna directional gain in dBi.	

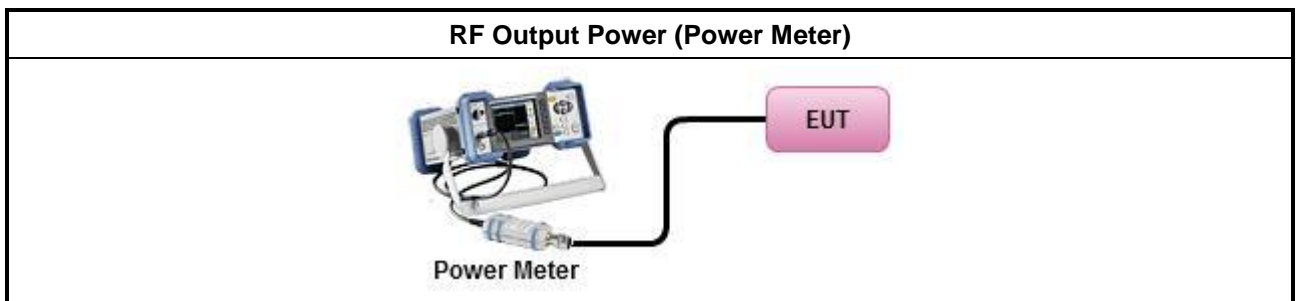
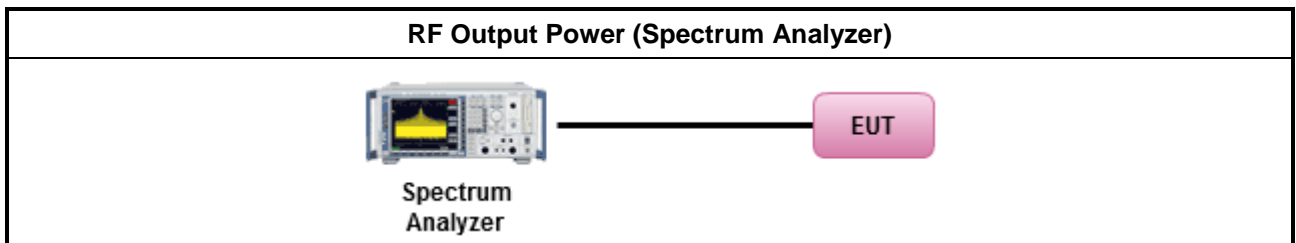
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>Maximum Conducted Output Power</li> </ul>	
	Duty cycle $\geq 98\%$
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul>
	<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP calculation could be following as methods:  <math>P_{total} = P_1 + P_2 + \dots + P_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = P_{total} + DG</math> </li> </ul>

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



### 3.4 Peak Power Spectral Density

#### 3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If <math>G_{TX} &gt; 23</math> dBi, then <math>P_{Out} = 17 - (G_{TX} - 23)</math>.</li> <li>▪ Mobile or Portable Client: the peak power spectral density (PPSD) <math>\leq 11</math> dBm/MHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 11 - (G_{TX} - 6)</math>.</li> </ul>
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) $\leq 11$ dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$ .	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz. If <math>G_{TX} &gt; 6</math> dBi, then <math>PPSD = 30 - (G_{TX} - 6)</math>.</li> <li>▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) <math>\leq 30</math> dBm/500kHz.</li> </ul>
<p><b>PPSD</b> = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz</p> <p><b>G<sub>TX</sub></b> = the maximum transmitting antenna directional gain in dBi.</p>	

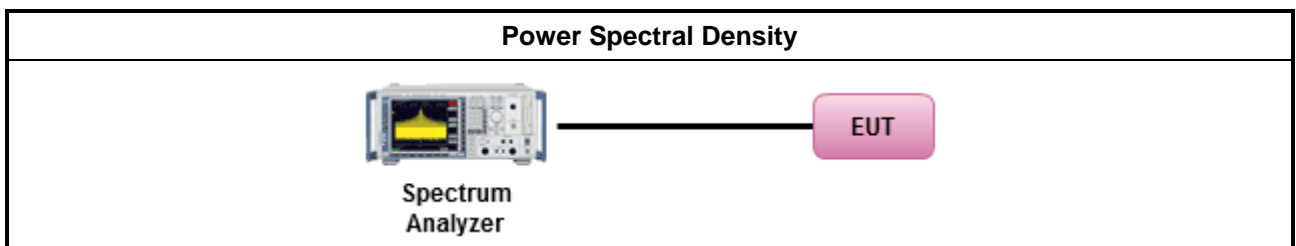
### 3.4.2 Measuring Instruments

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 shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul>	
<input type="checkbox"/>	Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth Duty cycle ≥ 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). Duty cycle < 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> <li>For conducted measurement.</li> </ul>	
<ul style="list-style-type: none"> <li>If the EUT supports multiple transmit chains using options given below:               <ul style="list-style-type: none"> <li>Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.</li> </ul> </li> </ul>	
<ul style="list-style-type: none"> <li>If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>            (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = PPSD_{total} + DG</math> </li> </ul>	

### 3.4.4 Test Setup



### 3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Radiated Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz 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.

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: 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).



### 3.5.2 Measuring Instruments

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

### 3.5.3 Test Procedures

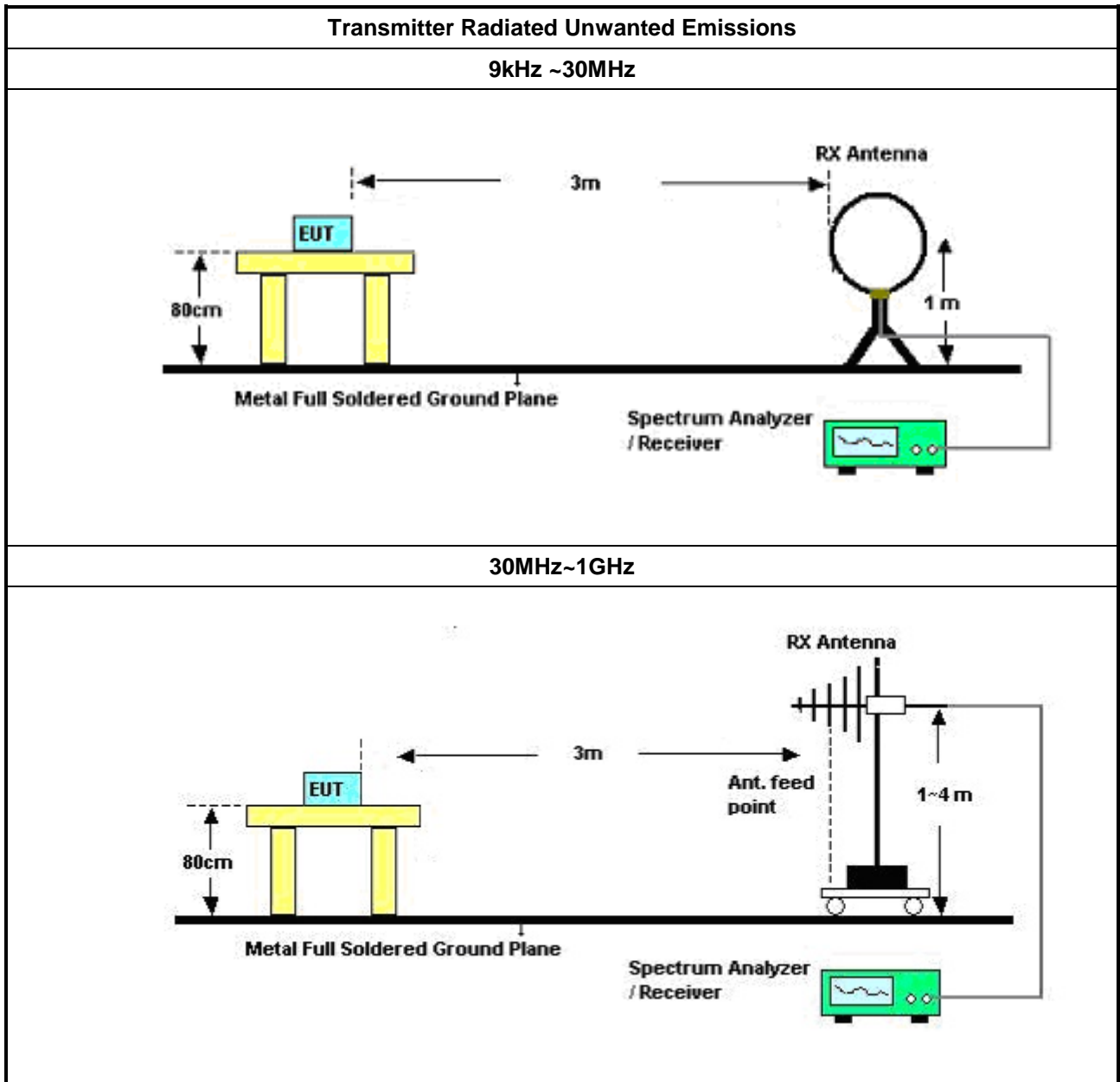
Test Method	
<ul style="list-style-type: none"> <li>▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. 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).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
	<input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	<input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>

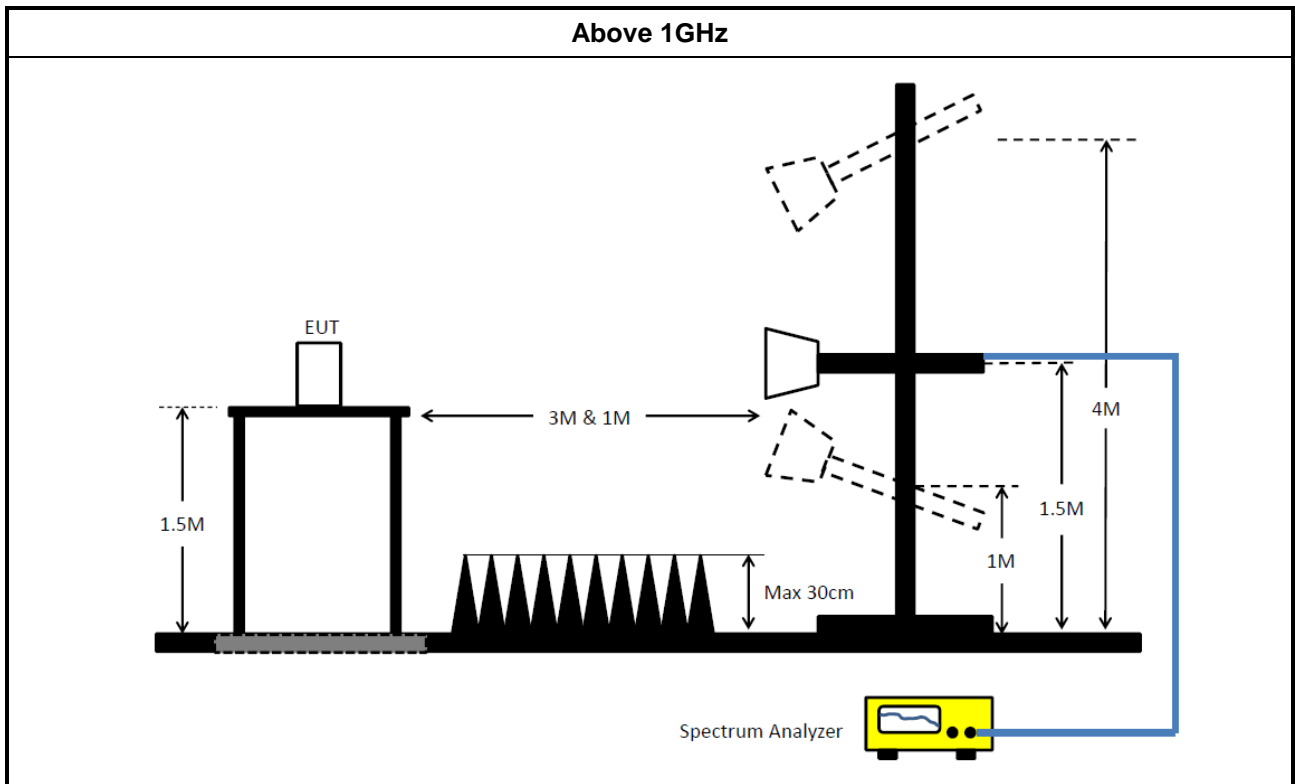
### 3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

### 3.5.5 Test Setup





### 3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9kHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

### Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Spectrum Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
Power Sensor	Anritsu	MA2411B	0917017	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021
Power Meter	Anritsu	ML2495A	0949003	300MHz ~ 40GHz	17/Feb/2020	16/Feb/2021

### Instrument for Radiated Test below 1GHz

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	06/Aug/2020	05/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	14/Apr/2020	13/Apr/2021
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	25/Oct/2020	24/Oct/2021
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	19/Jun/2020	18/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB021	30MHz~1GHz	18/Mar/2020	17/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021

**Instrument for Radiated Test above 1GHz**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	29/Aug/2019	28/Aug/2020
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	27/Feb/2020	26/Feb/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	16/Oct/2019	15/Oct/2020
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+80 5192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021

**Instrument for Radiated Test (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	04/Aug/2020	03/Aug/2021
Signal Analyzer	R&S	FSP 30	100793	10Hz~30GHz	15/Feb/2020	14/Feb/2021
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	09/Sep/2019	08/Sep/2020
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	26/Mar/2020	25/Mar/2021
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN 805801/4+SN 804300/4	1GHz~40GHz	18/Mar/2020	17/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	438.995k	26.65	47.09	-20.44	Line
Mode 2	Pass	QP	173.876k	50.21	64.78	-14.57	Neutral
Mode 3	Pass	AV	456.875k	26.41	46.75	-20.34	Neutral

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	150.6k	42.82	65.96	-23.14	Line	-
Mode 1	Pass	AV	150.6k	31.55	55.96	-24.41	Line	-
Mode 1	Pass	QP	231.775k	35.67	62.39	-26.72	Line	-
Mode 1	Pass	AV	231.775k	26.46	52.39	-25.93	Line	-
Mode 1	Pass	QP	438.995k	31.57	57.09	-25.52	Line	-
Mode 1	Pass	AV	438.995k	26.65	47.09	-20.44	Line	-
Mode 1	Pass	QP	3.389M	22.35	56.00	-33.65	Line	-
Mode 1	Pass	AV	3.389M	17.99	46.00	-28.01	Line	-
Mode 1	Pass	QP	6.898M	29.63	60.00	-30.37	Line	-
Mode 1	Pass	AV	6.898M	24.97	50.00	-25.03	Line	-
Mode 1	Pass	QP	10.917M	31.34	60.00	-28.66	Line	-
Mode 1	Pass	AV	10.917M	26.26	50.00	-23.74	Line	-
Mode 1	Pass	QP	187.577k	43.46	64.15	-20.69	Neutral	-
Mode 1	Pass	AV	187.577k	29.89	54.15	-24.26	Neutral	-
Mode 1	Pass	QP	243.148k	36.13	61.98	-25.85	Neutral	-
Mode 1	Pass	AV	243.148k	25.10	51.98	-26.88	Neutral	-
Mode 1	Pass	QP	359.562k	27.84	58.73	-30.89	Neutral	-
Mode 1	Pass	AV	359.562k	18.71	48.73	-30.02	Neutral	-
Mode 1	Pass	QP	3.403M	22.91	56.00	-33.09	Neutral	-
Mode 1	Pass	AV	3.403M	17.57	46.00	-28.43	Neutral	-
Mode 1	Pass	QP	6.926M	30.31	60.00	-29.69	Neutral	-
Mode 1	Pass	AV	6.926M	25.73	50.00	-24.27	Neutral	-
Mode 1	Pass	QP	10.744M	28.90	60.00	-31.10	Neutral	-
Mode 1	Pass	AV	10.744M	24.20	50.00	-25.80	Neutral	-
Mode 2	Pass	QP	176.674k	48.70	64.64	-15.94	Line	-
Mode 2	Pass	AV	176.674k	30.16	54.64	-24.48	Line	-
Mode 2	Pass	QP	222.704k	43.37	62.71	-19.34	Line	-
Mode 2	Pass	AV	222.704k	31.19	52.71	-21.52	Line	-
Mode 2	Pass	QP	589.868k	22.92	56.00	-33.08	Line	-
Mode 2	Pass	AV	589.868k	17.32	46.00	-28.68	Line	-
Mode 2	Pass	QP	4.536M	28.00	56.00	-28.00	Line	-
Mode 2	Pass	AV	4.536M	20.98	46.00	-25.02	Line	-
Mode 2	Pass	QP	6.926M	25.63	60.00	-34.37	Line	-
Mode 2	Pass	AV	6.926M	20.80	50.00	-29.20	Line	-
Mode 2	Pass	QP	14.786M	29.17	60.00	-30.83	Line	-
Mode 2	Pass	AV	14.786M	19.93	50.00	-30.07	Line	-
Mode 2	Pass	QP	173.876k	50.21	64.78	-14.57	Neutral	-
Mode 2	Pass	AV	173.876k	32.19	54.78	-22.59	Neutral	-
Mode 2	Pass	QP	218.303k	46.60	62.88	-16.28	Neutral	-
Mode 2	Pass	AV	218.303k	35.73	52.88	-17.15	Neutral	-
Mode 2	Pass	QP	435.504k	23.51	57.15	-33.64	Neutral	-
Mode 2	Pass	AV	435.504k	15.20	47.15	-31.95	Neutral	-

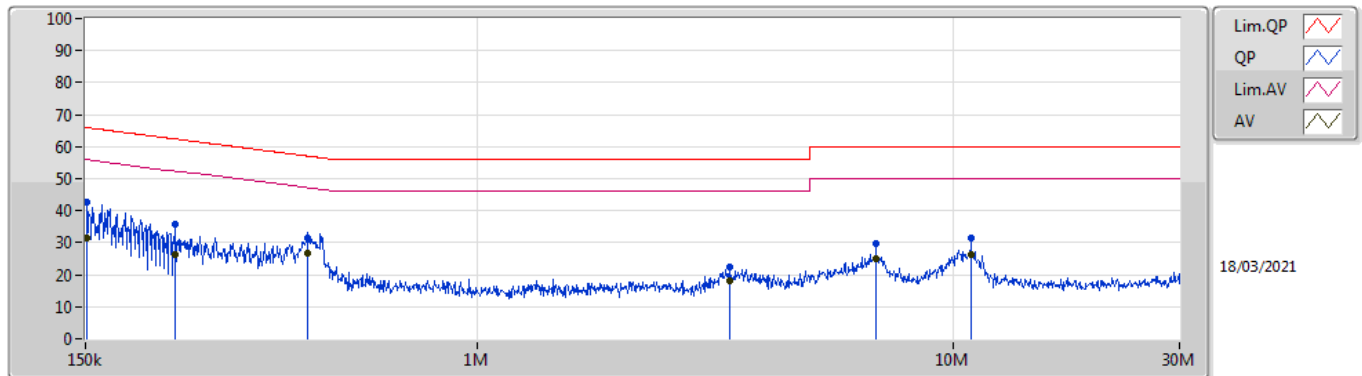


**Conducted Emissions at Powerline**

**Appendix A**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 2	Pass	QP	1.885M	26.85	56.00	-29.15	Neutral	-
Mode 2	Pass	AV	1.885M	21.66	46.00	-24.34	Neutral	-
Mode 2	Pass	QP	7.15M	24.81	60.00	-35.19	Neutral	-
Mode 2	Pass	AV	7.15M	19.48	50.00	-30.52	Neutral	-
Mode 2	Pass	QP	14.905M	34.80	60.00	-25.20	Neutral	-
Mode 2	Pass	AV	14.905M	27.01	50.00	-22.99	Neutral	-
Mode 3	Pass	QP	162.467k	29.78	65.33	-35.55	Line	-
Mode 3	Pass	AV	162.467k	20.91	55.33	-34.42	Line	-
Mode 3	Pass	QP	464.229k	30.12	56.61	-26.49	Line	-
Mode 3	Pass	AV	464.229k	21.84	46.61	-24.77	Line	-
Mode 3	Pass	QP	628.773k	17.76	56.00	-38.24	Line	-
Mode 3	Pass	AV	628.773k	14.14	46.00	-31.86	Line	-
Mode 3	Pass	QP	2.292M	19.51	56.00	-36.49	Line	-
Mode 3	Pass	AV	2.292M	15.31	46.00	-30.69	Line	-
Mode 3	Pass	QP	3.701M	26.00	56.00	-30.00	Line	-
Mode 3	Pass	AV	3.701M	20.48	46.00	-25.52	Line	-
Mode 3	Pass	QP	12.961M	21.65	60.00	-38.35	Line	-
Mode 3	Pass	AV	12.961M	16.42	50.00	-33.58	Line	-
Mode 3	Pass	QP	152.414k	33.75	65.87	-32.12	Neutral	-
Mode 3	Pass	AV	152.414k	23.72	55.87	-32.15	Neutral	-
Mode 3	Pass	QP	224.49k	32.13	62.65	-30.52	Neutral	-
Mode 3	Pass	AV	224.49k	25.17	52.65	-27.48	Neutral	-
Mode 3	Pass	QP	456.875k	35.99	56.75	-20.76	Neutral	-
Mode 3	Pass	AV	456.875k	26.41	46.75	-20.34	Neutral	-
Mode 3	Pass	QP	2.194M	21.24	56.00	-34.76	Neutral	-
Mode 3	Pass	AV	2.194M	16.49	46.00	-29.51	Neutral	-
Mode 3	Pass	QP	3.701M	24.81	56.00	-31.19	Neutral	-
Mode 3	Pass	AV	3.701M	19.71	46.00	-26.29	Neutral	-
Mode 3	Pass	QP	12.015M	25.01	60.00	-34.99	Neutral	-
Mode 3	Pass	AV	12.015M	18.11	50.00	-31.89	Neutral	-

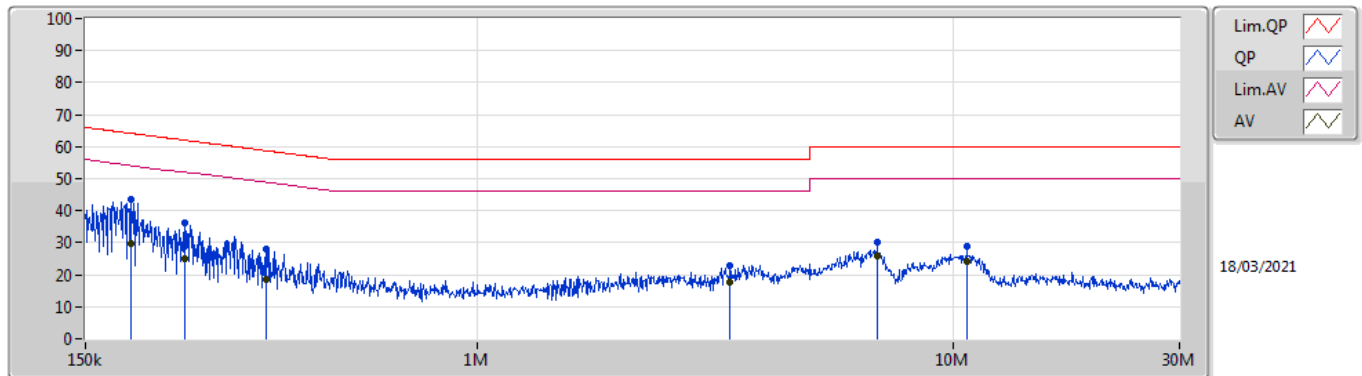
### Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150.6k	42.82	65.96	-23.14	19.63	Line	-	23.19	9.69	0.04	9.90			
AV	150.6k	31.55	55.96	-24.41	19.63	Line	-	11.92	9.69	0.04	9.90			
QP	231.775k	35.67	62.39	-26.72	19.62	Line	-	16.05	9.68	0.04	9.90			
AV	231.775k	26.46	52.39	-25.93	19.62	Line	-	6.84	9.68	0.04	9.90			
QP	438.995k	31.57	57.09	-25.52	19.62	Line	-	11.95	9.67	0.06	9.89			
AV	438.995k	26.65	47.09	-20.44	19.62	Line	-	7.03	9.67	0.06	9.89			
QP	3.389M	22.35	56.00	-33.65	19.70	Line	-	2.65	9.69	0.13	9.88			
AV	3.389M	17.99	46.00	-28.01	19.70	Line	-	-1.71	9.69	0.13	9.88			
QP	6.898M	29.63	60.00	-30.37	19.79	Line	-	9.84	9.71	0.18	9.90			
AV	6.898M	24.97	50.00	-25.03	19.79	Line	-	5.18	9.71	0.18	9.90			
QP	10.917M	31.34	60.00	-28.66	19.82	Line	-	11.52	9.71	0.21	9.90			
AV	10.917M	26.26	50.00	-23.74	19.82	Line	-	6.44	9.71	0.21	9.90			

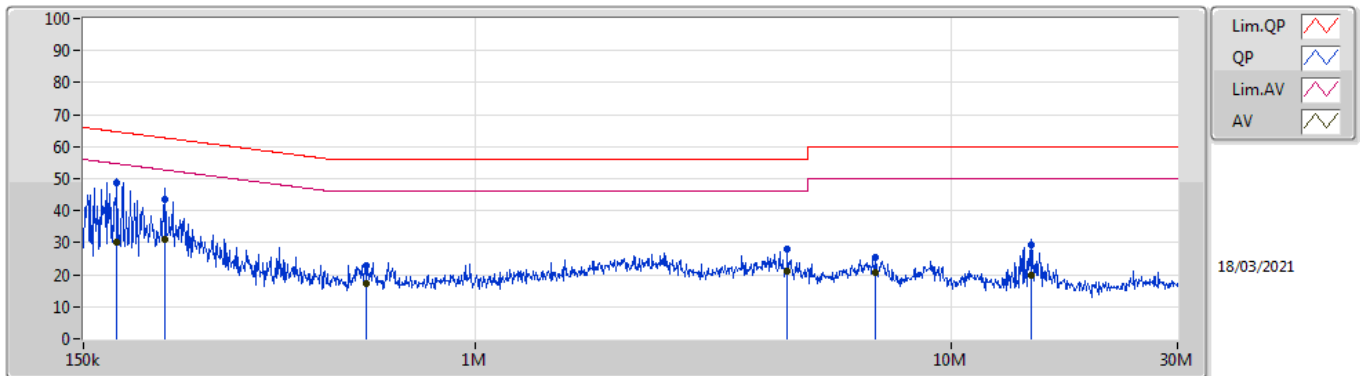


### Conducted Emissions at Powerline\_Mode 1



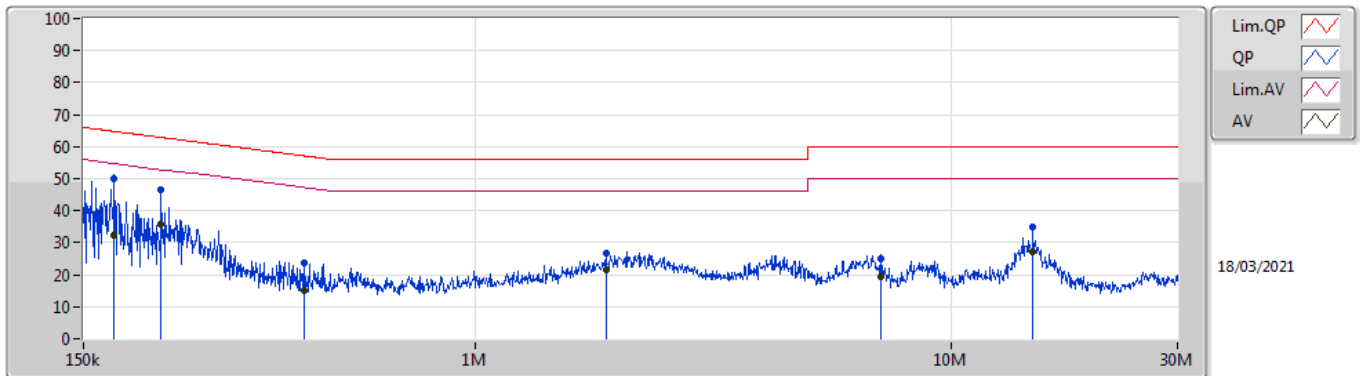
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	187.577k	43.46	64.15	-20.69	19.62	Neutral	-	23.84	9.68	0.04	9.90			
AV	187.577k	29.89	54.15	-24.26	19.62	Neutral	-	10.27	9.68	0.04	9.90			
QP	243.148k	36.13	61.98	-25.85	19.63	Neutral	-	16.50	9.68	0.05	9.90			
AV	243.148k	25.10	51.98	-26.88	19.63	Neutral	-	5.47	9.68	0.05	9.90			
QP	359.562k	27.84	58.73	-30.89	19.63	Neutral	-	8.21	9.67	0.06	9.90			
AV	359.562k	18.71	48.73	-30.02	19.63	Neutral	-	-0.92	9.67	0.06	9.90			
QP	3.403M	22.91	56.00	-33.09	19.70	Neutral	-	3.21	9.69	0.13	9.88			
AV	3.403M	17.57	46.00	-28.43	19.70	Neutral	-	-2.13	9.69	0.13	9.88			
QP	6.926M	30.31	60.00	-29.69	19.79	Neutral	-	10.52	9.71	0.18	9.90			
AV	6.926M	25.73	50.00	-24.27	19.79	Neutral	-	5.94	9.71	0.18	9.90			
QP	10.744M	28.90	60.00	-31.10	19.82	Neutral	-	9.08	9.71	0.21	9.90			
AV	10.744M	24.20	50.00	-25.80	19.82	Neutral	-	4.38	9.71	0.21	9.90			

### Conducted Emissions at Powerline\_Mode 2



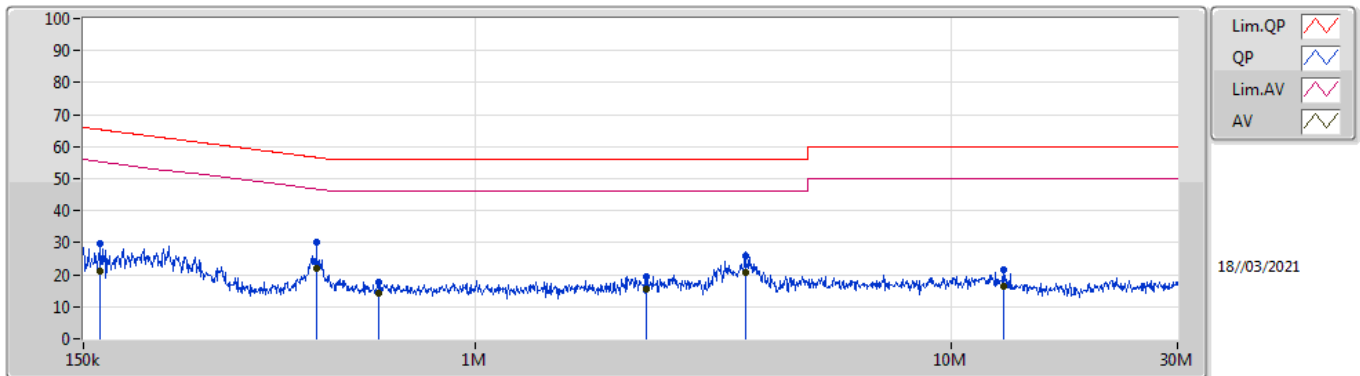
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	176.674k	48.70	64.64	-15.94	19.62	Line	-	29.08	9.68	0.04	9.90
AV	176.674k	30.16	54.64	-24.48	19.62	Line	-	10.54	9.68	0.04	9.90
QP	222.704k	43.37	62.71	-19.34	19.62	Line	-	23.75	9.68	0.04	9.90
AV	222.704k	31.19	52.71	-21.52	19.62	Line	-	11.57	9.68	0.04	9.90
QP	589.868k	22.92	56.00	-33.08	19.60	Line	-	3.32	9.67	0.07	9.86
AV	589.868k	17.32	46.00	-28.68	19.60	Line	-	-2.28	9.67	0.07	9.86
QP	4.536M	28.00	56.00	-28.00	19.74	Line	-	8.26	9.69	0.15	9.90
AV	4.536M	20.98	46.00	-25.02	19.74	Line	-	1.24	9.69	0.15	9.90
QP	6.926M	25.63	60.00	-34.37	19.79	Line	-	5.84	9.71	0.18	9.90
AV	6.926M	20.80	50.00	-29.20	19.79	Line	-	1.01	9.71	0.18	9.90
QP	14.786M	29.17	60.00	-30.83	19.84	Line	-	9.33	9.69	0.25	9.90
AV	14.786M	19.93	50.00	-30.07	19.84	Line	-	0.09	9.69	0.25	9.90

### Conducted Emissions at Powerline\_Mode 2



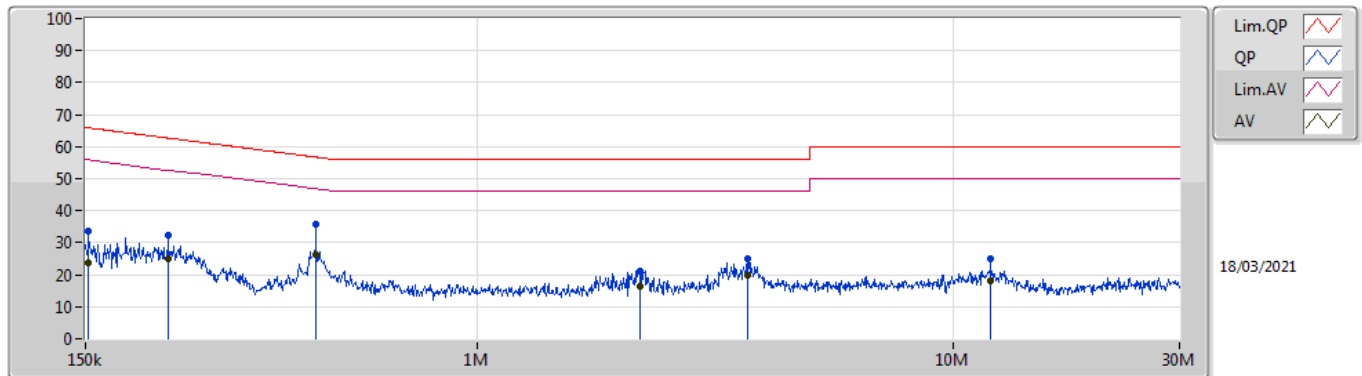
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	173.876k	50.21	64.78	-14.57	19.62	Neutral	-	30.59	9.68	0.04	9.90			
AV	173.876k	32.19	54.78	-22.59	19.62	Neutral	-	12.57	9.68	0.04	9.90			
QP	218.303k	46.60	62.88	-16.28	19.62	Neutral	-	26.98	9.68	0.04	9.90			
AV	218.303k	35.73	52.88	-17.15	19.62	Neutral	-	16.11	9.68	0.04	9.90			
QP	435.504k	23.51	57.15	-33.64	19.62	Neutral	-	3.89	9.67	0.06	9.89			
AV	435.504k	15.20	47.15	-31.95	19.62	Neutral	-	-4.42	9.67	0.06	9.89			
QP	1.885M	26.85	56.00	-29.15	19.58	Neutral	-	7.27	9.68	0.10	9.80			
AV	1.885M	21.66	46.00	-24.34	19.58	Neutral	-	2.08	9.68	0.10	9.80			
QP	7.15M	24.81	60.00	-35.19	19.80	Neutral	-	5.01	9.72	0.18	9.90			
AV	7.15M	19.48	50.00	-30.52	19.80	Neutral	-	-0.32	9.72	0.18	9.90			
QP	14.905M	34.80	60.00	-25.20	19.89	Neutral	-	14.91	9.74	0.25	9.90			
AV	14.905M	27.01	50.00	-22.99	19.89	Neutral	-	7.12	9.74	0.25	9.90			

### Conducted Emissions at Powerline\_Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	162.467k	29.78	65.33	-35.55	19.63	Line	-	10.15	9.69	0.04	9.90			
AV	162.467k	20.91	55.33	-34.42	19.63	Line	-	1.28	9.69	0.04	9.90			
QP	464.229k	30.12	56.61	-26.49	19.61	Line	-	10.51	9.67	0.06	9.88			
AV	464.229k	21.84	46.61	-24.77	19.61	Line	-	2.23	9.67	0.06	9.88			
QP	628.773k	17.76	56.00	-38.24	19.59	Line	-	-1.83	9.67	0.07	9.85			
AV	628.773k	14.14	46.00	-31.86	19.59	Line	-	-5.45	9.67	0.07	9.85			
QP	2.292M	19.51	56.00	-36.49	19.61	Line	-	-0.10	9.68	0.11	9.82			
AV	2.292M	15.31	46.00	-30.69	19.61	Line	-	-4.30	9.68	0.11	9.82			
QP	3.701M	26.00	56.00	-30.00	19.72	Line	-	6.28	9.69	0.14	9.89			
AV	3.701M	20.48	46.00	-25.52	19.72	Line	-	0.76	9.69	0.14	9.89			
QP	12.961M	21.65	60.00	-38.35	19.83	Line	-	1.82	9.70	0.23	9.90			
AV	12.961M	16.42	50.00	-33.58	19.83	Line	-	-3.41	9.70	0.23	9.90			

### Conducted Emissions at Powerline\_Mode 3



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	152.414k	33.75	65.87	-32.12	19.63	Neutral	-	14.12	9.69	0.04	9.90
AV	152.414k	23.72	55.87	-32.15	19.63	Neutral	-	4.09	9.69	0.04	9.90
QP	224.49k	32.13	62.65	-30.52	19.62	Neutral	-	12.51	9.68	0.04	9.90
AV	224.49k	25.17	52.65	-27.48	19.62	Neutral	-	5.55	9.68	0.04	9.90
QP	456.875k	35.99	56.75	-20.76	19.62	Neutral	-	16.37	9.67	0.06	9.89
AV	456.875k	26.41	46.75	-20.34	19.62	Neutral	-	6.79	9.67	0.06	9.89
QP	2.194M	21.24	56.00	-34.76	19.60	Neutral	-	1.64	9.68	0.11	9.81
AV	2.194M	16.49	46.00	-29.51	19.60	Neutral	-	-3.11	9.68	0.11	9.81
QP	3.701M	24.81	56.00	-31.19	19.72	Neutral	-	5.09	9.69	0.14	9.89
AV	3.701M	19.71	46.00	-26.29	19.72	Neutral	-	-0.01	9.69	0.14	9.89
QP	12.015M	25.01	60.00	-34.99	19.86	Neutral	-	5.15	9.74	0.22	9.90
AV	12.015M	18.11	50.00	-31.89	19.86	Neutral	-	-1.75	9.74	0.22	9.90

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.12M	16.552M	16M6D1D	23.46M	16.504M
802.11ac VHT20_Nss1,(MCS0)_2TX	28.8M	17.895M	17M9D1D	24.18M	17.703M
802.11ac VHT40_Nss1,(MCS0)_2TX	42.36M	36.222M	36M2D1D	41.4M	36.174M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.76M	75.802M	75M8D1D	82.56M	75.802M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.51M	16.624M	16M6D1D	23.46M	16.48M
802.11ac VHT20_Nss1,(MCS0)_2TX	30.21M	18.063M	18M1D1D	24.09M	17.679M
802.11ac VHT40_Nss1,(MCS0)_2TX	42.42M	36.174M	36M2D1D	41.52M	36.126M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.28M	75.706M	75M7D1D	83.16M	75.61M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.39M	16.648M	16M6D1D	16.019M	13.221M
802.11ac VHT20_Nss1,(MCS0)_2TX	29.16M	18.039M	18M0D1D	16.899M	13.908M
802.11ac VHT40_Nss1,(MCS0)_2TX	42.54M	36.222M	36M2D1D	35.978M	32.924M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.76M	75.898M	75M9D1D	75.963M	72.46M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	15.99M	16.6M	16M6D1D	3.12M	4.738M
802.11ac VHT20_Nss1,(MCS0)_2TX	16.77M	18.135M	18M1D1D	3.75M	5.082M
802.11ac VHT40_Nss1,(MCS0)_2TX	35.28M	36.27M	36M3D1D	3.12M	4.048M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.12M	75.706M	75M7D1D	3.12M	4.963M

**Max-N dB** = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**Max-OBW** = Maximum 99% occupied bandwidth;

**Min-N dB** = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;

**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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.97M	16.504M	24.06M	16.552M
5200MHz	Pass	Inf	23.46M	16.552M	24.12M	16.528M
5240MHz	Pass	Inf	23.46M	16.504M	23.94M	16.552M
5260MHz	Pass	Inf	23.91M	16.528M	24.36M	16.576M
5300MHz	Pass	Inf	23.46M	16.48M	24.39M	16.624M
5320MHz	Pass	Inf	23.7M	16.504M	24.51M	16.624M
5500MHz	Pass	Inf	24.21M	16.504M	24.39M	16.648M
5580MHz	Pass	Inf	22.35M	16.48M	24.06M	16.576M
5700MHz	Pass	Inf	22.35M	16.504M	23.34M	16.504M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.019M	13.221M	16.679M	13.276M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	4.738M	3.135M	5.337M
5745MHz	Pass	500k	15.06M	16.528M	15.06M	16.6M
5785MHz	Pass	500k	15.63M	16.528M	15.12M	16.6M
5825MHz	Pass	500k	15.51M	16.48M	15.99M	16.6M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.18M	17.727M	25.2M	17.775M
5200MHz	Pass	Inf	25.41M	17.703M	28.38M	17.799M
5240MHz	Pass	Inf	25.56M	17.775M	28.8M	17.895M
5260MHz	Pass	Inf	25.53M	17.703M	29.13M	17.919M
5300MHz	Pass	Inf	24.75M	17.751M	30.21M	18.063M
5320MHz	Pass	Inf	24.09M	17.679M	28.71M	17.871M
5500MHz	Pass	Inf	24.06M	17.751M	23.7M	17.727M
5580MHz	Pass	Inf	25.56M	17.751M	29.16M	18.039M
5700MHz	Pass	Inf	23.46M	17.679M	24.87M	17.727M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.899M	13.908M	19.126M	14.032M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.75M	5.082M	3.75M	7.676M
5745MHz	Pass	500k	15.96M	17.703M	16.5M	18.063M
5785MHz	Pass	500k	16.5M	17.823M	16.26M	17.991M
5825MHz	Pass	500k	16.77M	17.799M	15.45M	18.135M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	41.82M	36.174M	41.4M	36.174M
5230MHz	Pass	Inf	41.46M	36.174M	42.36M	36.222M
5270MHz	Pass	Inf	41.58M	36.174M	42.42M	36.174M
5310MHz	Pass	Inf	41.52M	36.126M	41.64M	36.126M
5510MHz	Pass	Inf	41.4M	36.174M	41.58M	36.174M
5550MHz	Pass	Inf	41.58M	36.174M	42.54M	36.222M
5670MHz	Pass	Inf	41.94M	36.222M	41.1M	36.126M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.978M	32.924M	36.079M	32.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	4.048M	3.12M	9.94M
5755MHz	Pass	500k	35.04M	36.27M	35.04M	36.222M
5795MHz	Pass	500k	35.28M	36.126M	35.1M	36.27M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	83.76M	75.802M	82.56M	75.802M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5290MHz	Pass	Inf	83.28M	75.61M	83.16M	75.706M
5530MHz	Pass	Inf	83.76M	75.898M	82.8M	75.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.405M	72.534M	75.963M	72.46M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	4.963M	3.12M	4.993M
5775MHz	Pass	500k	75.12M	75.514M	75.12M	75.706M

**Port X-N dB** = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band

**Port X-OBW** = Port X 99% occupied bandwidth;



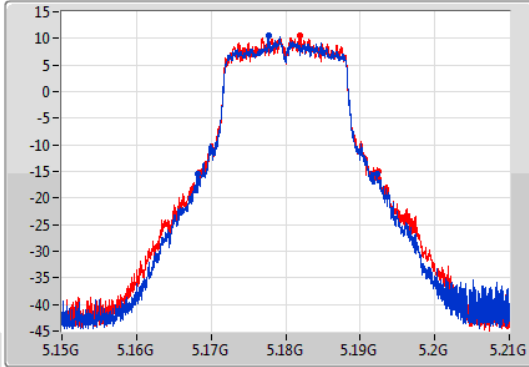
802.11a\_Nss1,(6Mbps)\_2TX

EBW

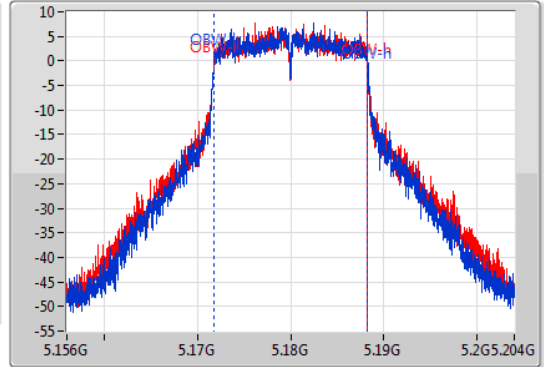
5180MHz

15/06/2020

CF  
5.18GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.18GHz  
Span  
48MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.97M	5.1683G	5.19227G	16.504M	5.171772G	5.188276G	Inf	1
24.06M	5.16836G	5.19242G	16.552M	5.171724G	5.188276G	Inf	2

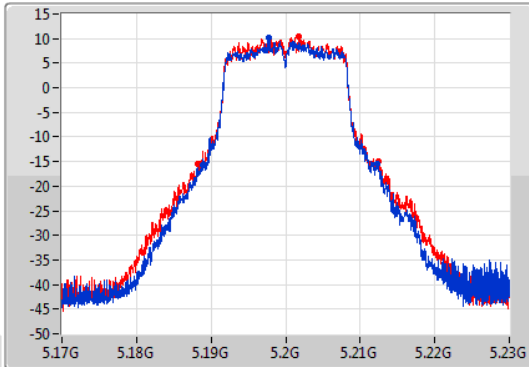
802.11a\_Nss1,(6Mbps)\_2TX

EBW

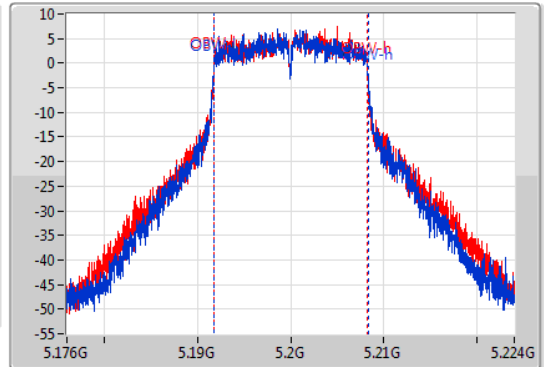
5200MHz

15/06/2020

CF  
5.2GHz  
Span  
60MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.2GHz  
Span  
48MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



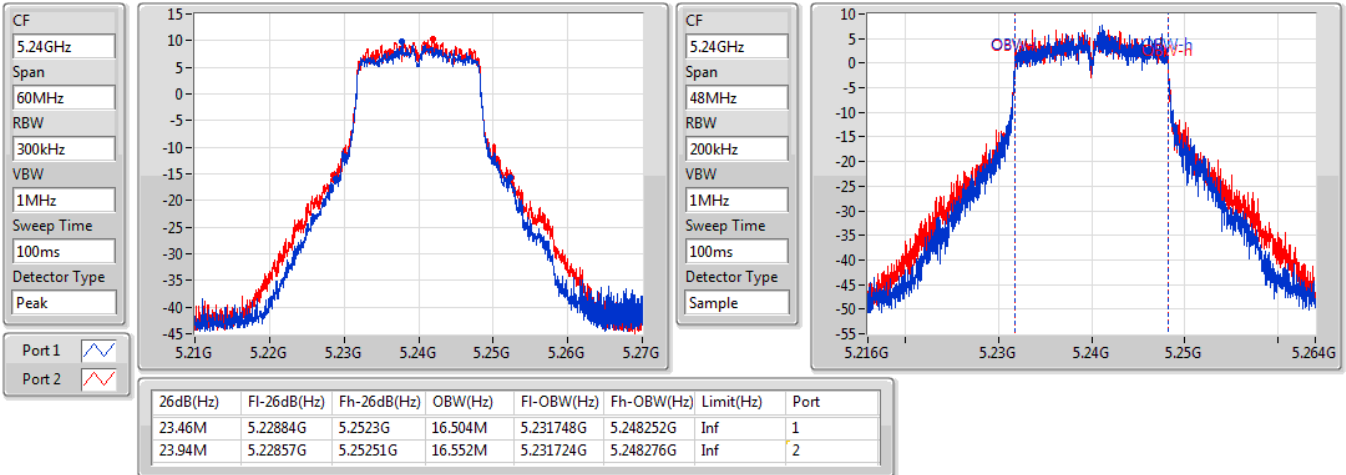
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.46M	5.18881G	5.21227G	16.552M	5.191748G	5.2083G	Inf	1
24.12M	5.1883G	5.21242G	16.528M	5.191748G	5.208276G	Inf	2

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

EBW

5240MHz

15/06/2020

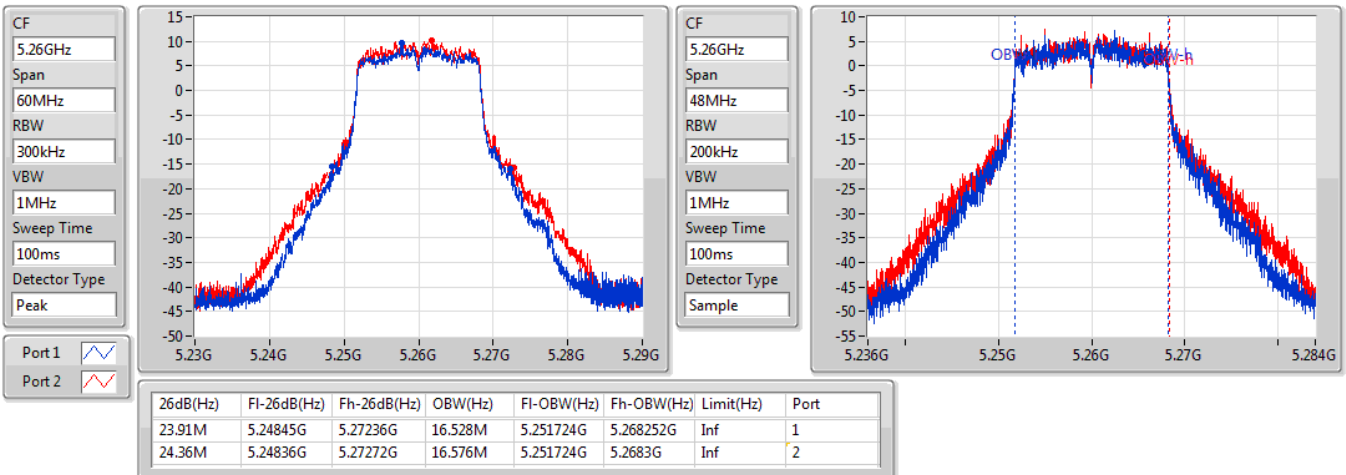


### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5260MHz

15/06/2020

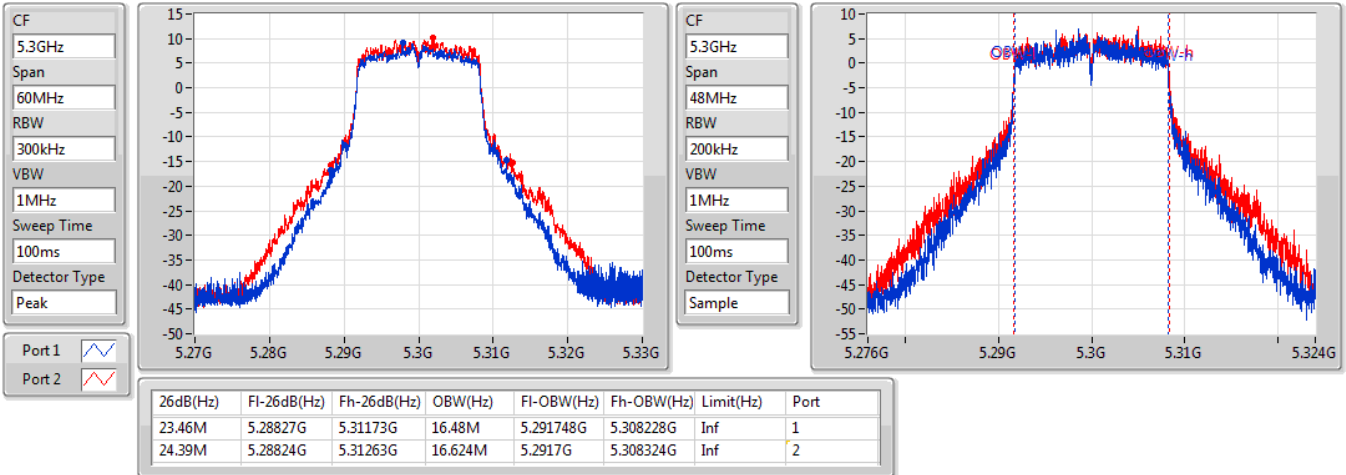


802.11a\_Nss1,(6Mbps)\_2TX

EBW

5300MHz

15/06/2020

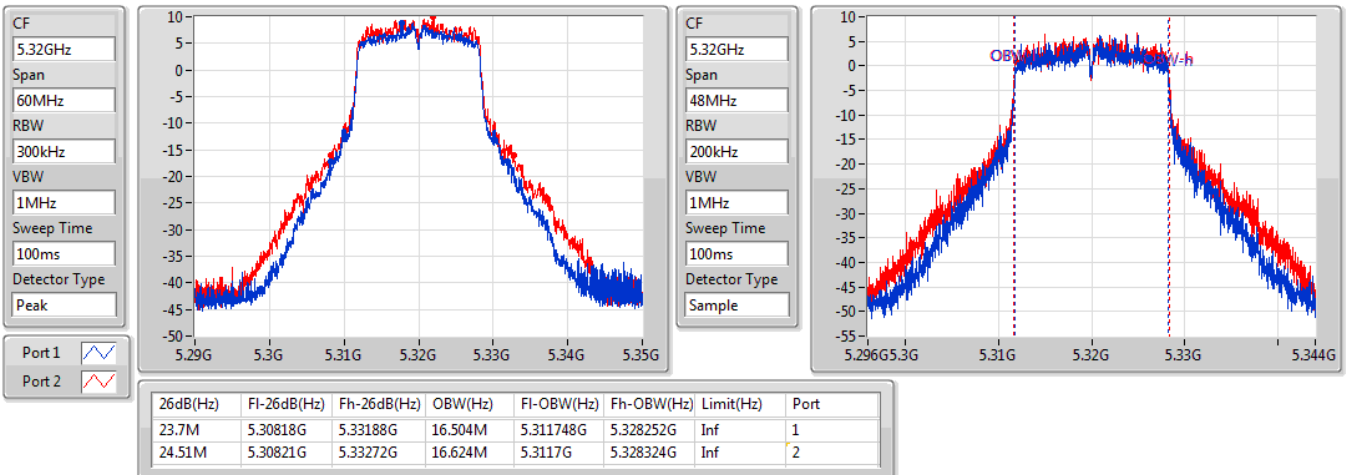


802.11a\_Nss1,(6Mbps)\_2TX

EBW

5320MHz

15/06/2020



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

EBW

5500MHz

15/06/2020

CF  
5.5GHz

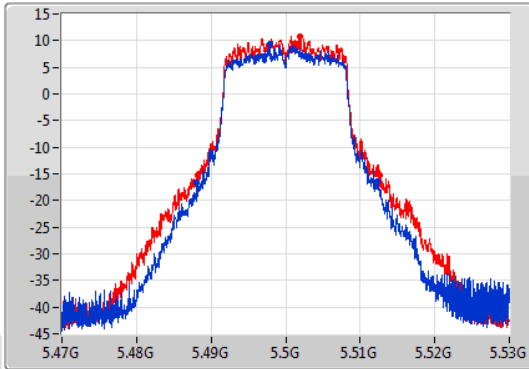
Span  
60MHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Peak



CF  
5.5GHz

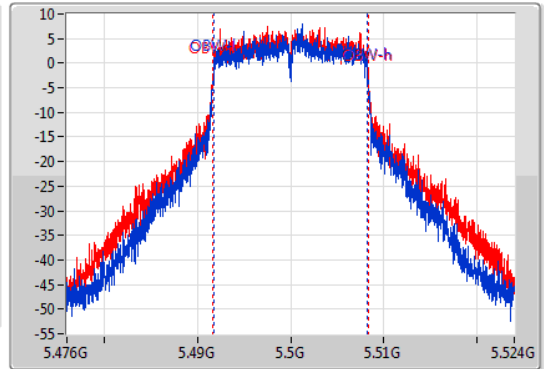
Span  
48MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.21M	5.48812G	5.51233G	16.504M	5.491748G	5.508252G	Inf	1
24.39M	5.48827G	5.51266G	16.648M	5.491676G	5.508324G	Inf	2

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

EBW

5580MHz

15/06/2020

CF  
5.58GHz

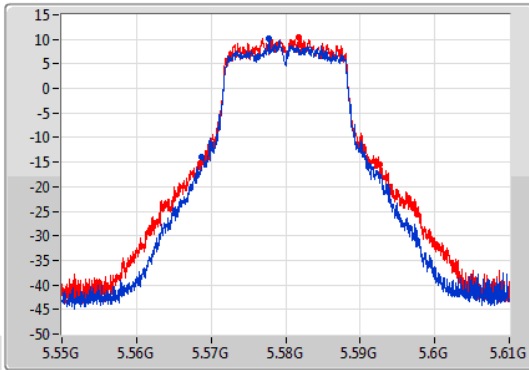
Span  
60MHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Peak



CF  
5.58GHz

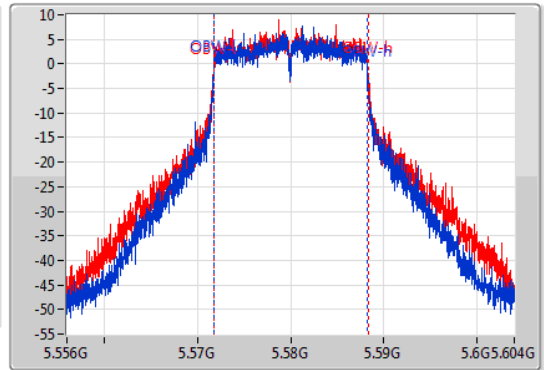
Span  
48MHz

RBW  
200kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



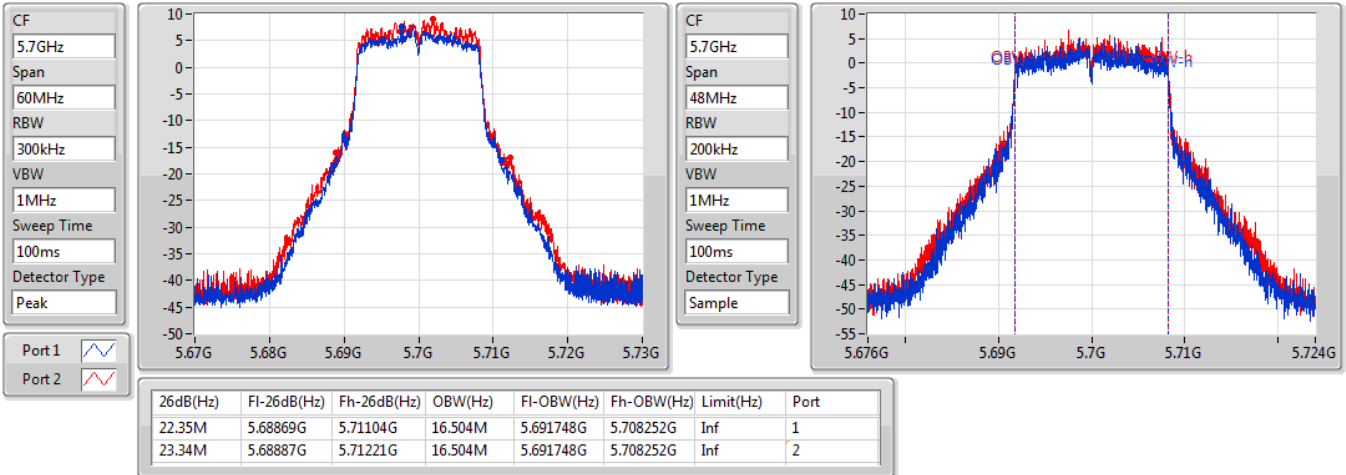
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.35M	5.56875G	5.5911G	16.48M	5.571772G	5.588252G	Inf	1
24.06M	5.56854G	5.5926G	16.576M	5.571724G	5.5883G	Inf	2

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

EBW

5700MHz

18/06/2020

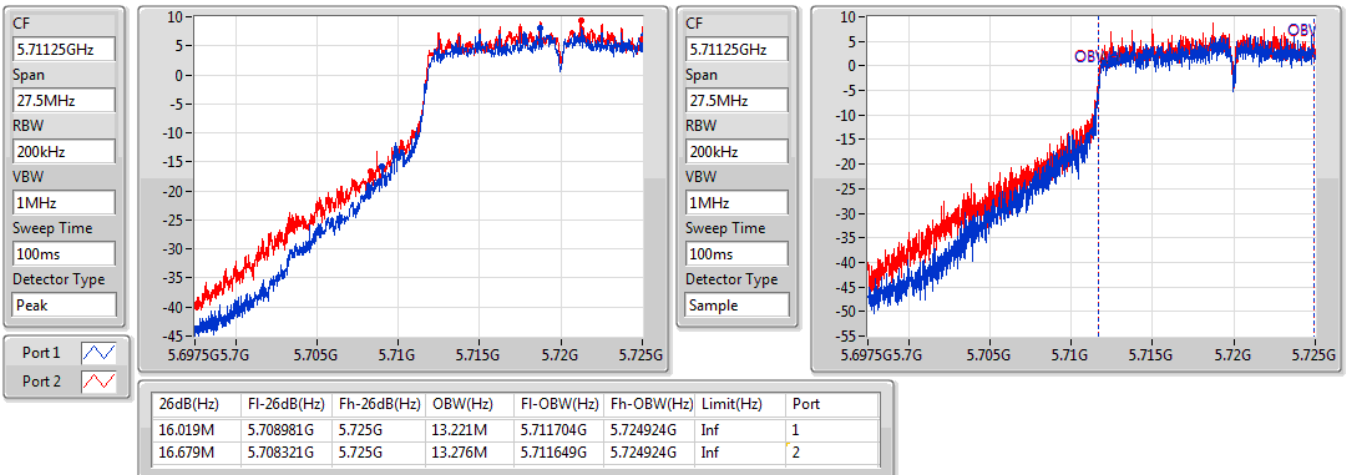


### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/06/2020

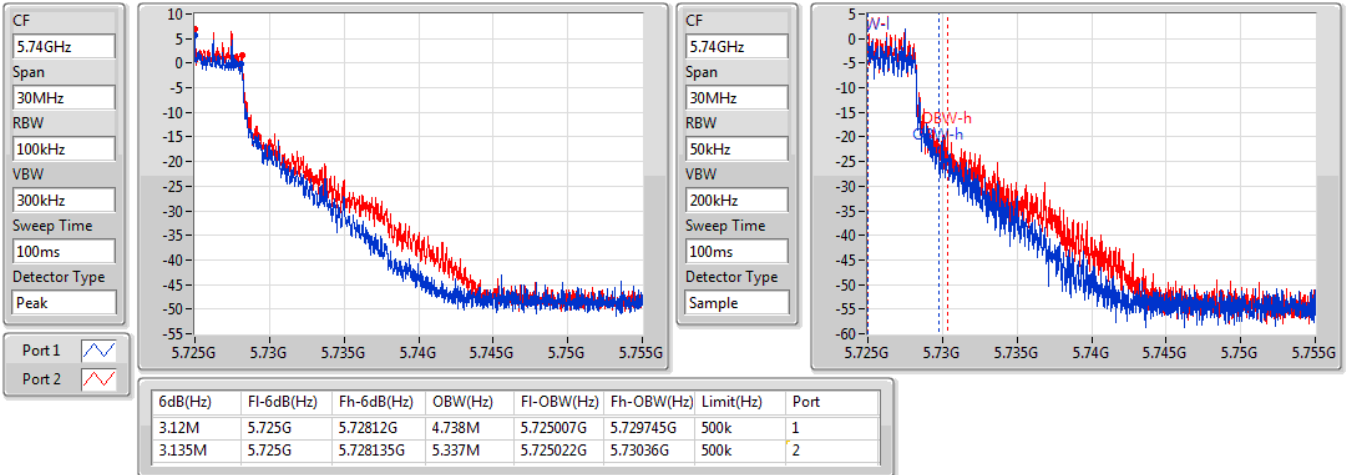


### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

#### 5720MHz Straddle 5.725-5.85GHz

15/06/2020

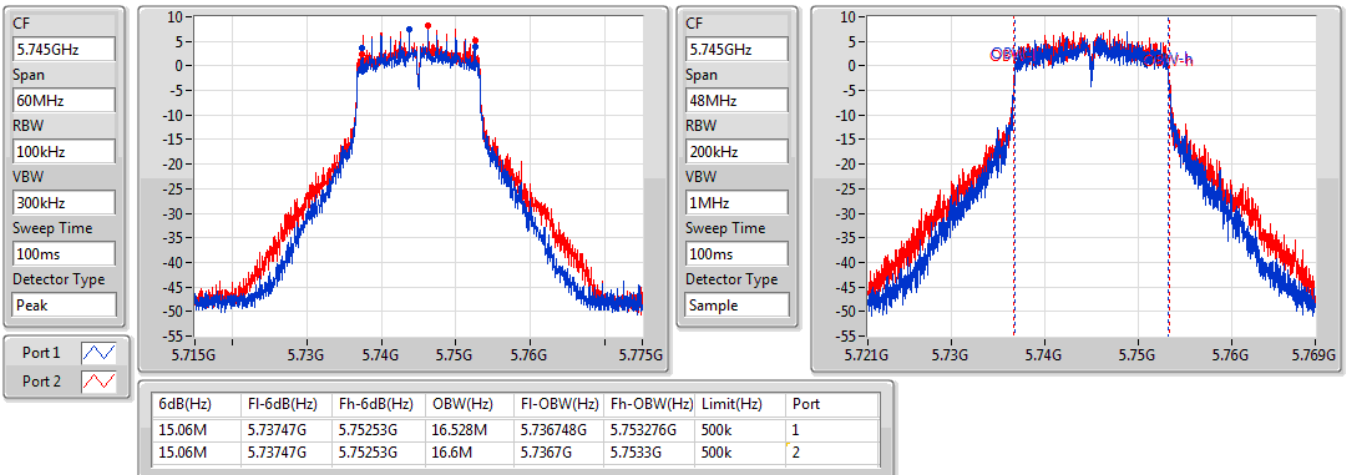


### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

#### 5745MHz

15/06/2020



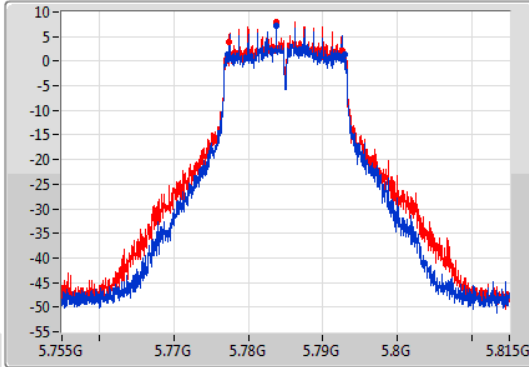
### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

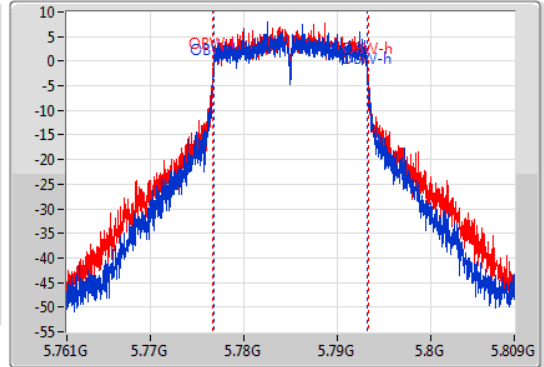
5785MHz

15/06/2020

CF  
5.785GHz  
Span  
60MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.785GHz  
Span  
48MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.63M	5.77723G	5.79286G	16.528M	5.776724G	5.793252G	500k	1
15.12M	5.77744G	5.79256G	16.6M	5.7767G	5.7933G	500k	2

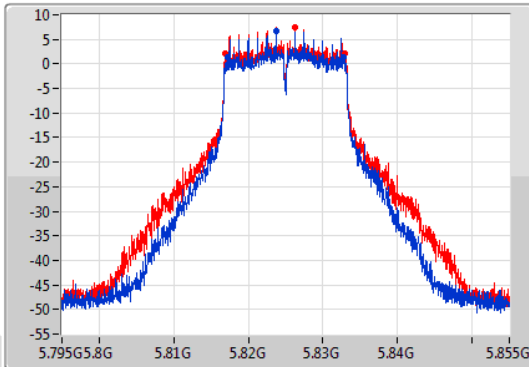
### 802.11a\_Nss1,(6Mbps)\_2TX

EBW

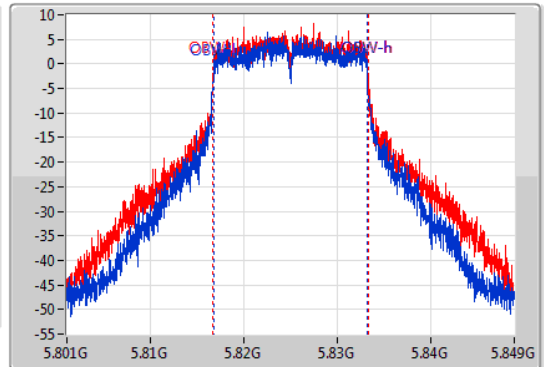
5825MHz

15/06/2020

CF  
5.825GHz  
Span  
60MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.825GHz  
Span  
48MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



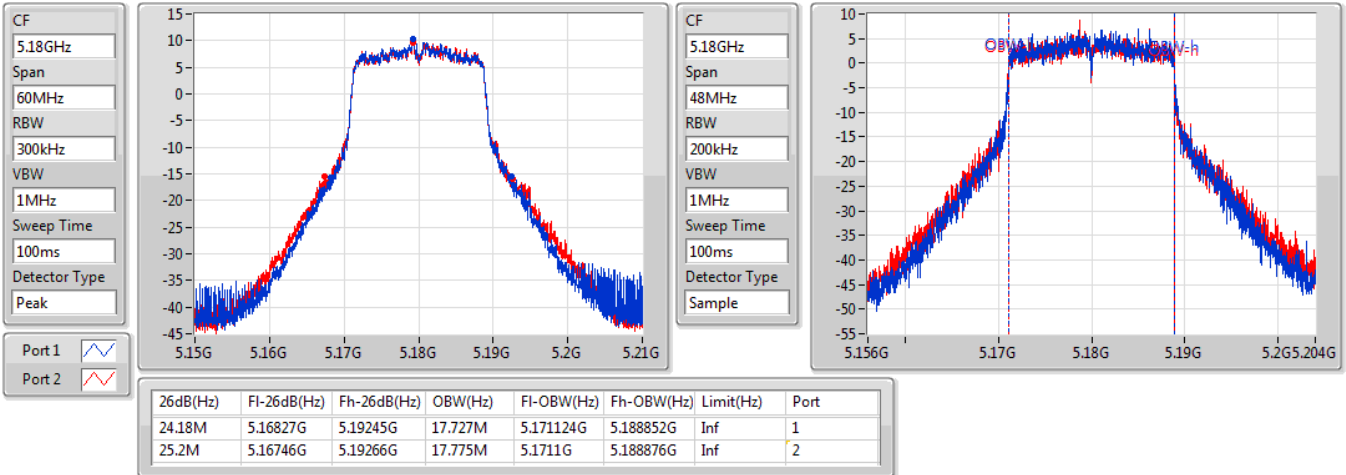
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.51M	5.81723G	5.83274G	16.48M	5.816748G	5.833228G	500k	1
15.99M	5.81687G	5.83286G	16.6M	5.8167G	5.8333G	500k	2

802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5180MHz

18/06/2020

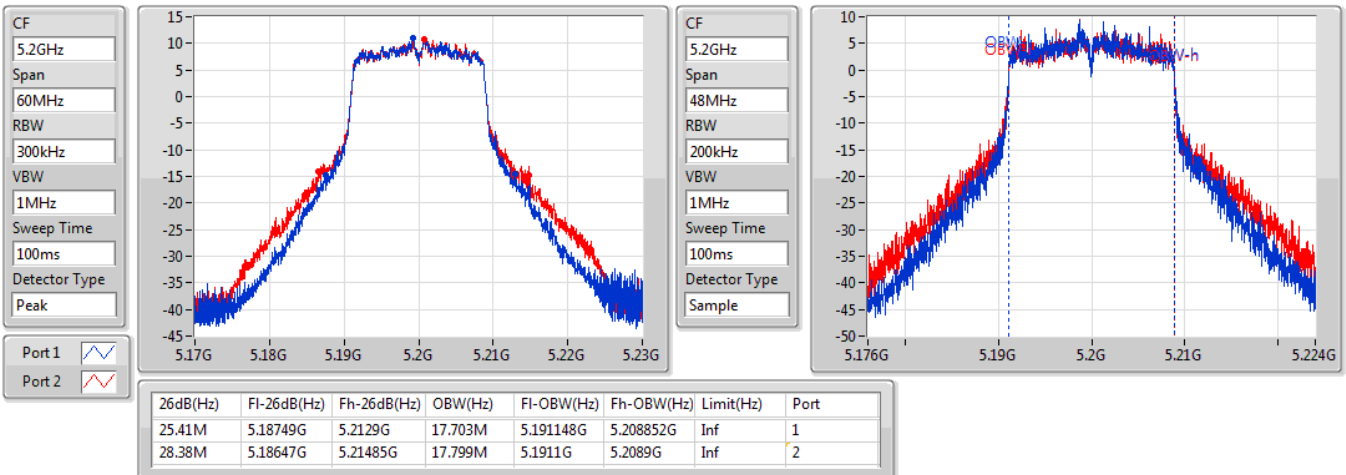


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5200MHz

15/06/2020



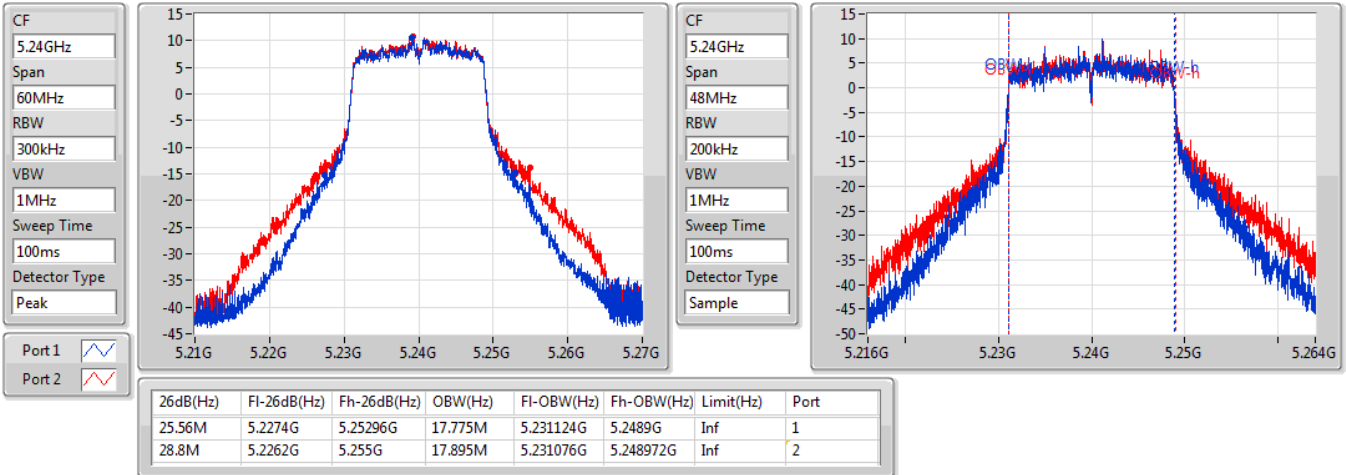


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5240MHz

15/06/2020

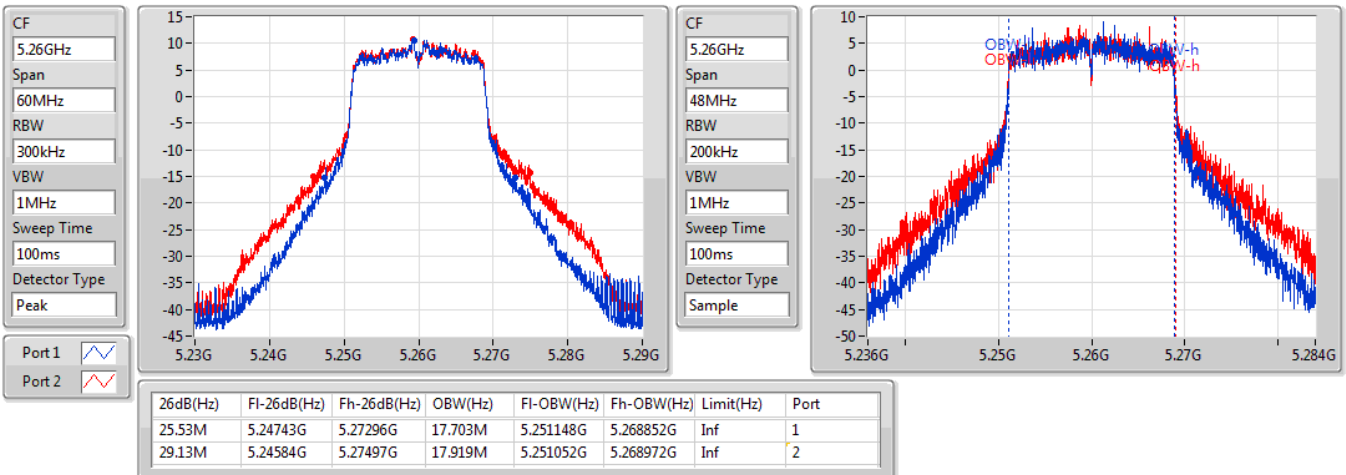


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5260MHz

15/06/2020

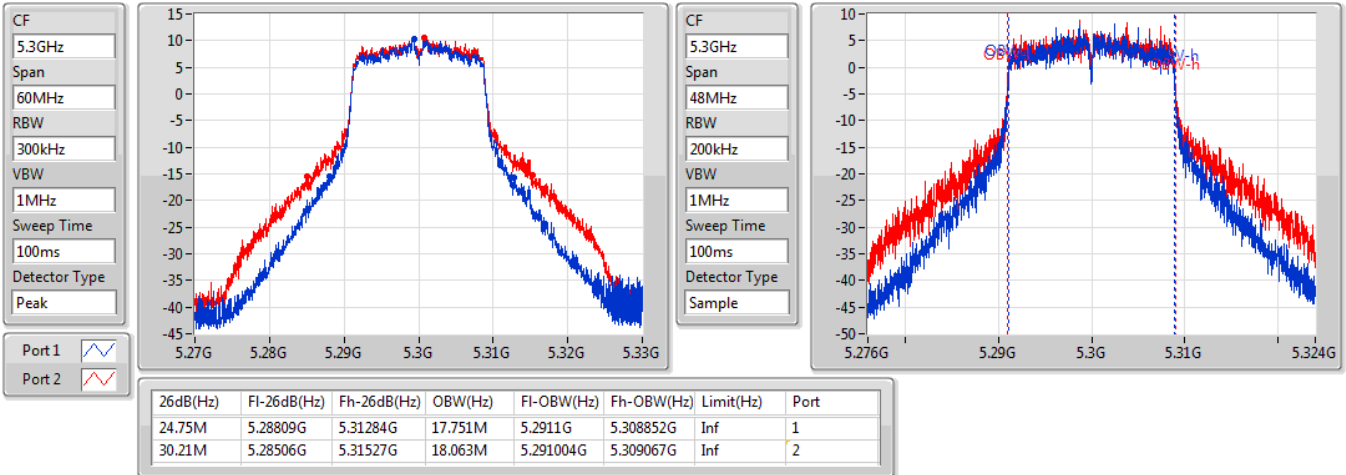


### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5300MHz

15/06/2020

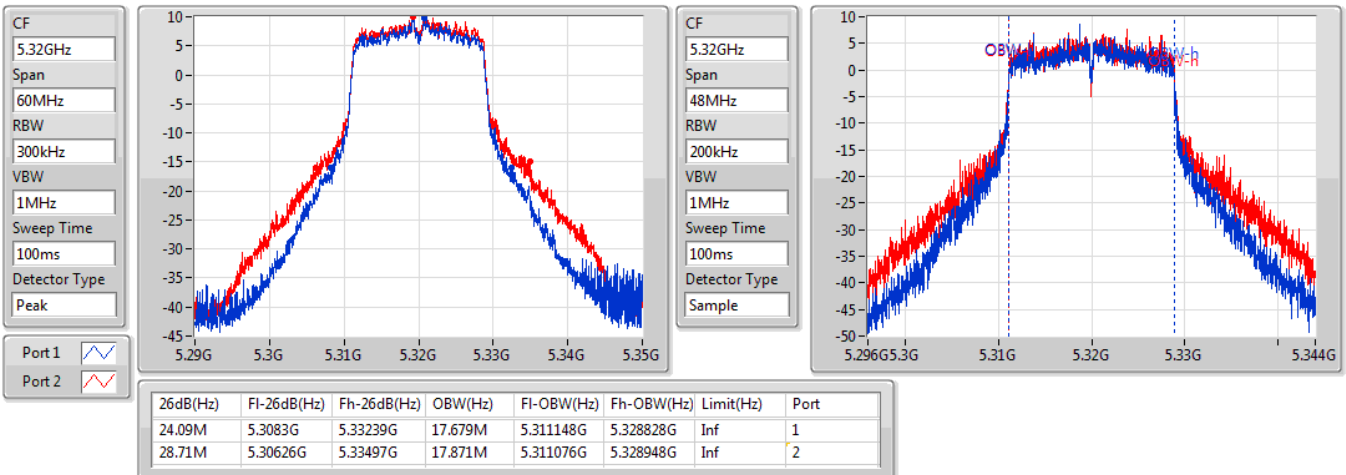


### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5320MHz

15/06/2020

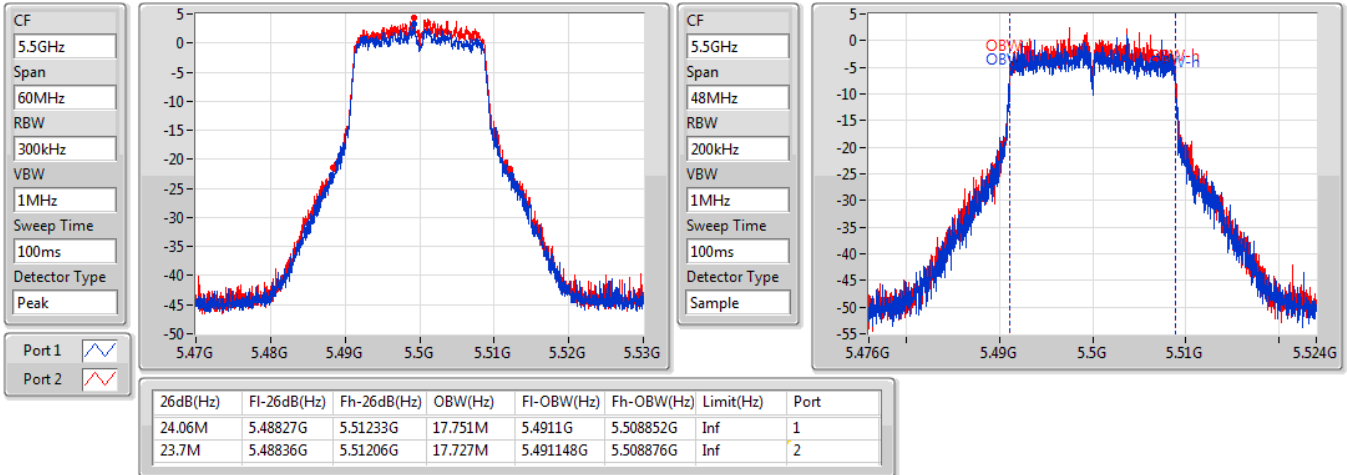


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5500MHz

18/06/2020

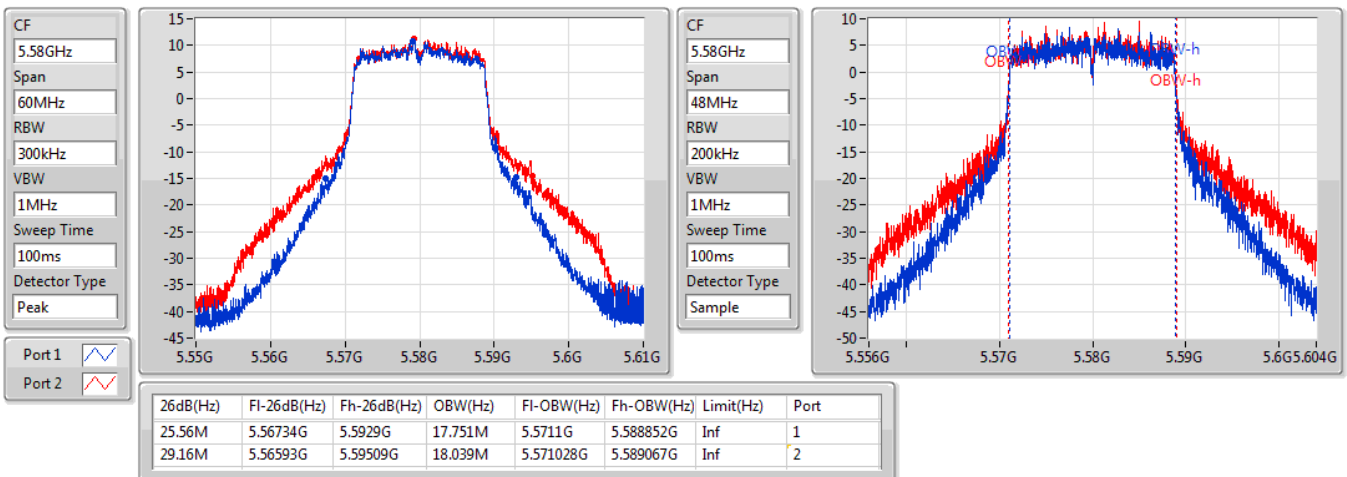


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5580MHz

15/06/2020

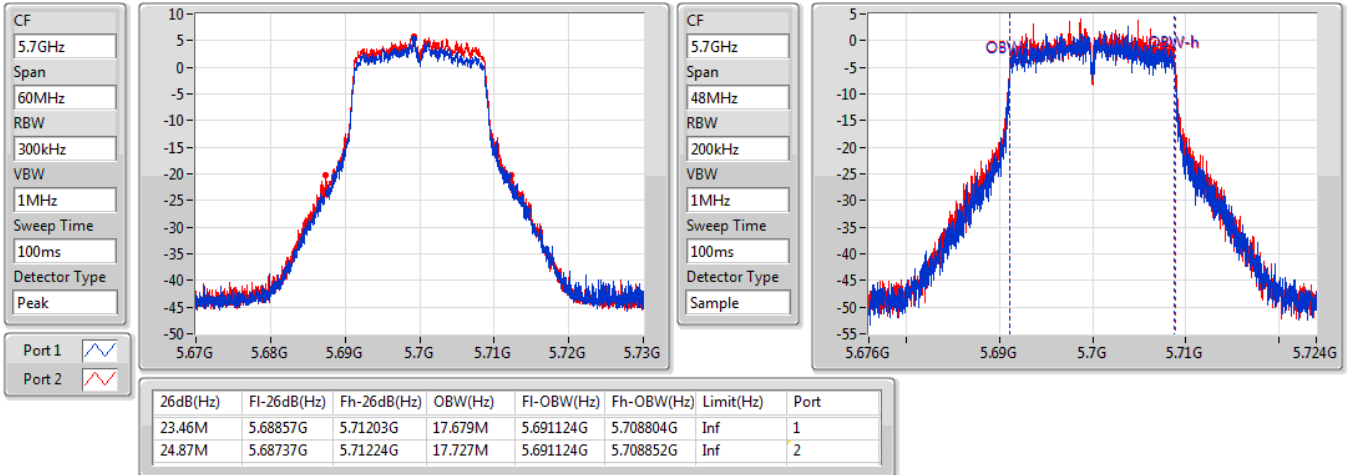


### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5700MHz

18/06/2020

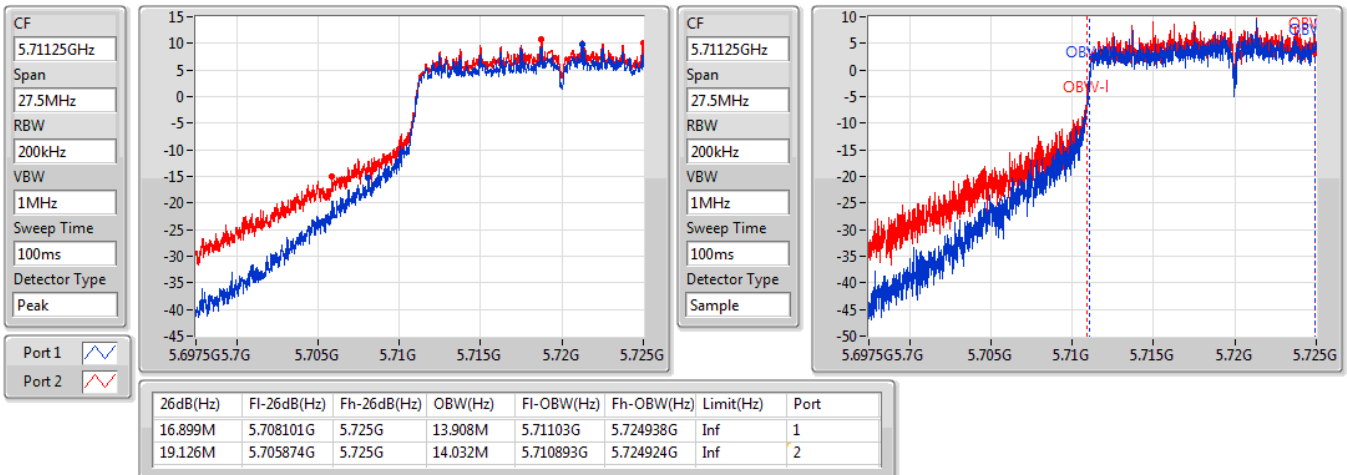


### 802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/06/2020

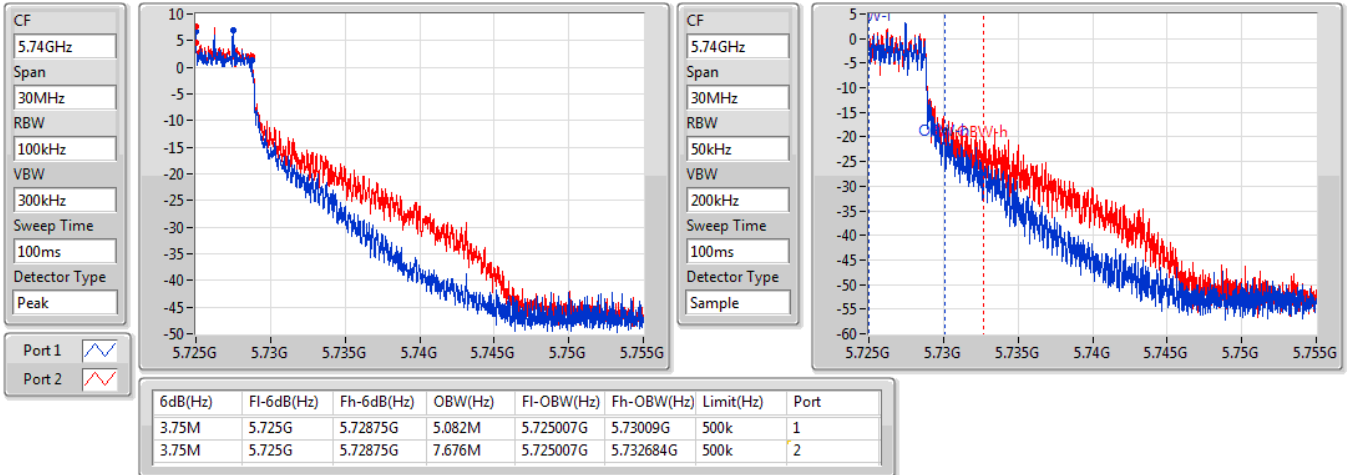


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/06/2020

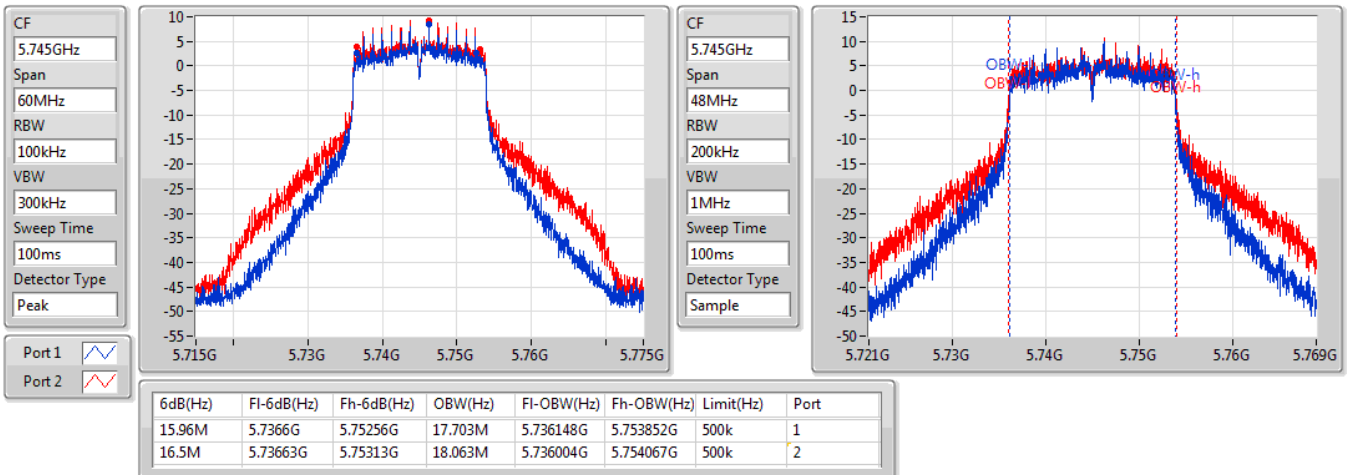


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5745MHz

15/06/2020

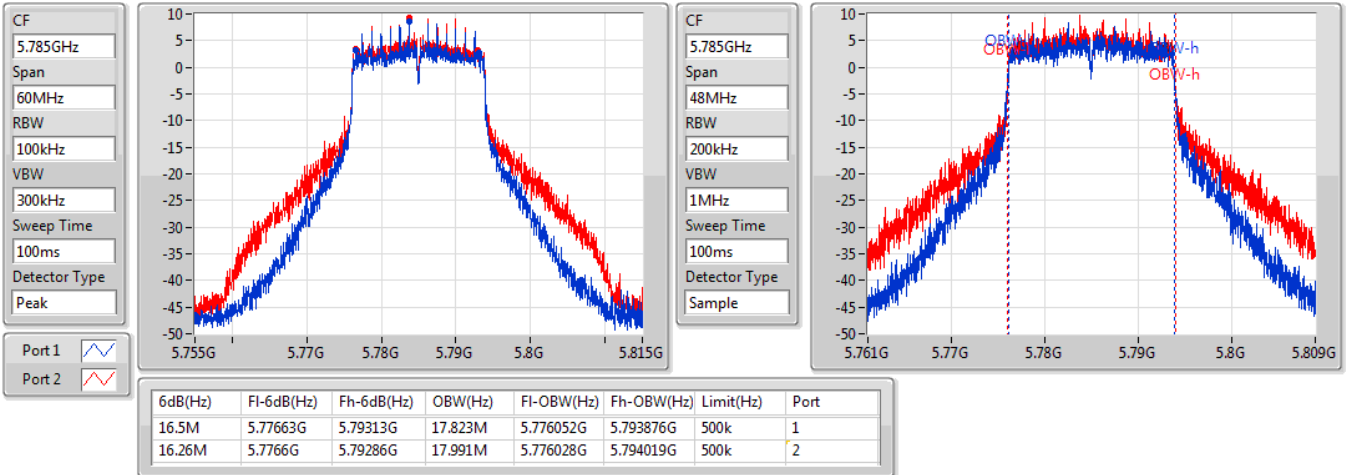


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5785MHz

15/06/2020

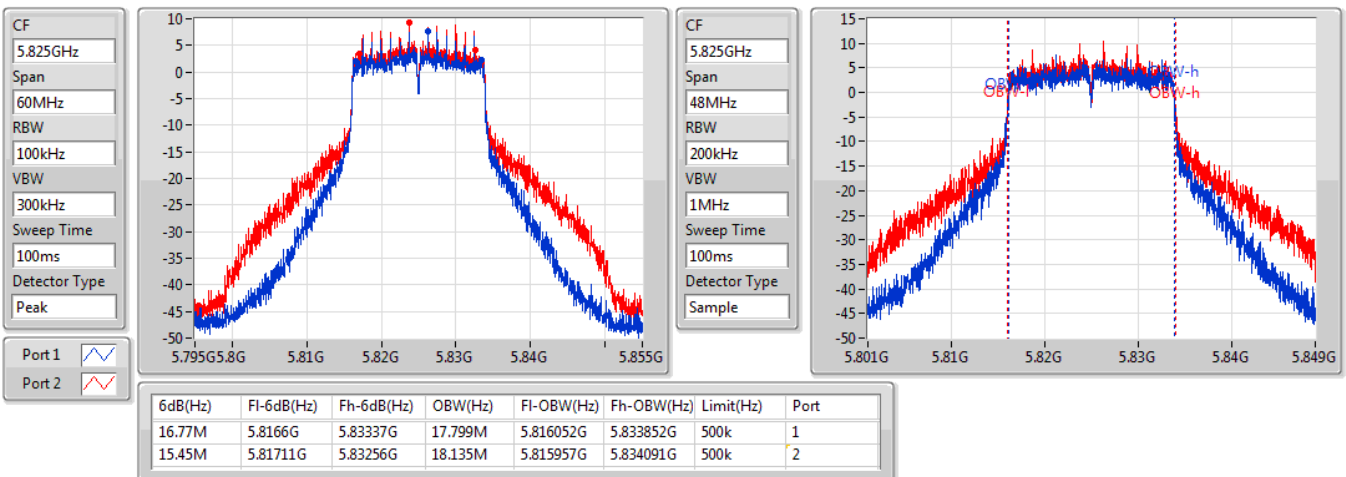


802.11ac VHT20\_Nss1,(MCS0)\_2TX

EBW

5825MHz

15/06/2020

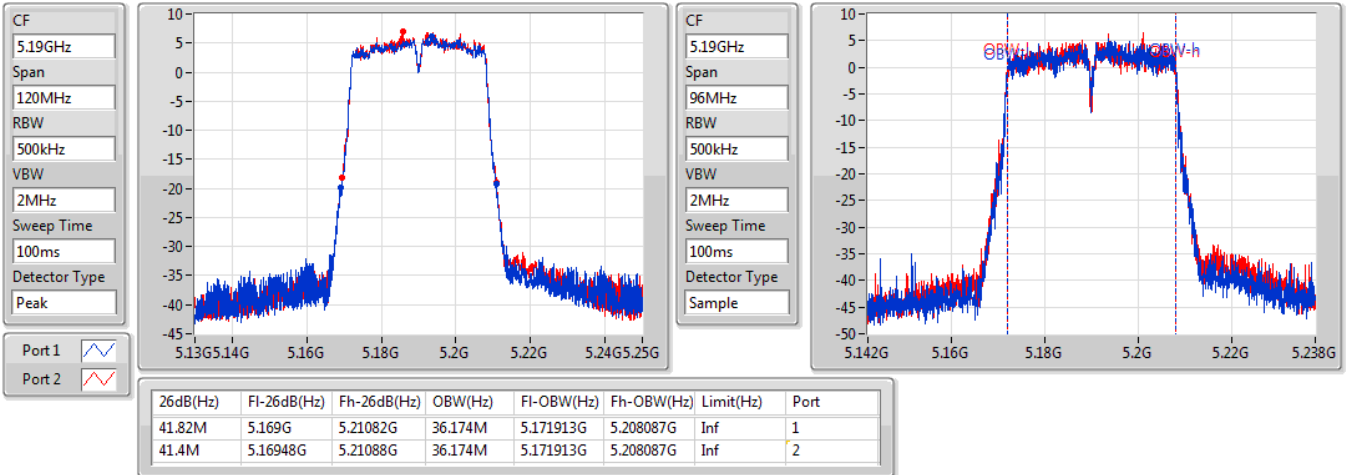


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5190MHz

15/06/2020

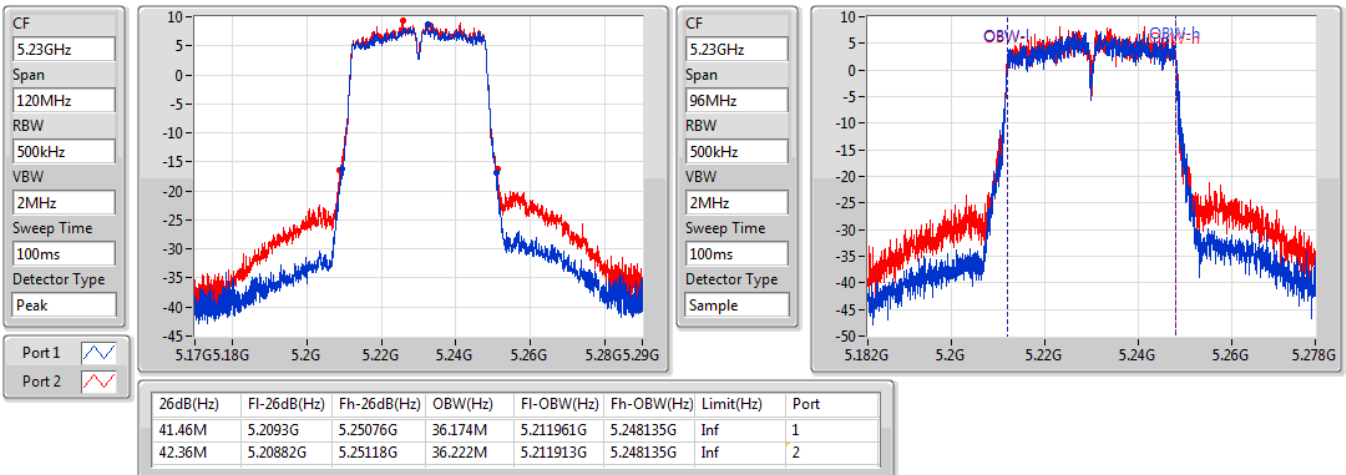


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5230MHz

15/06/2020

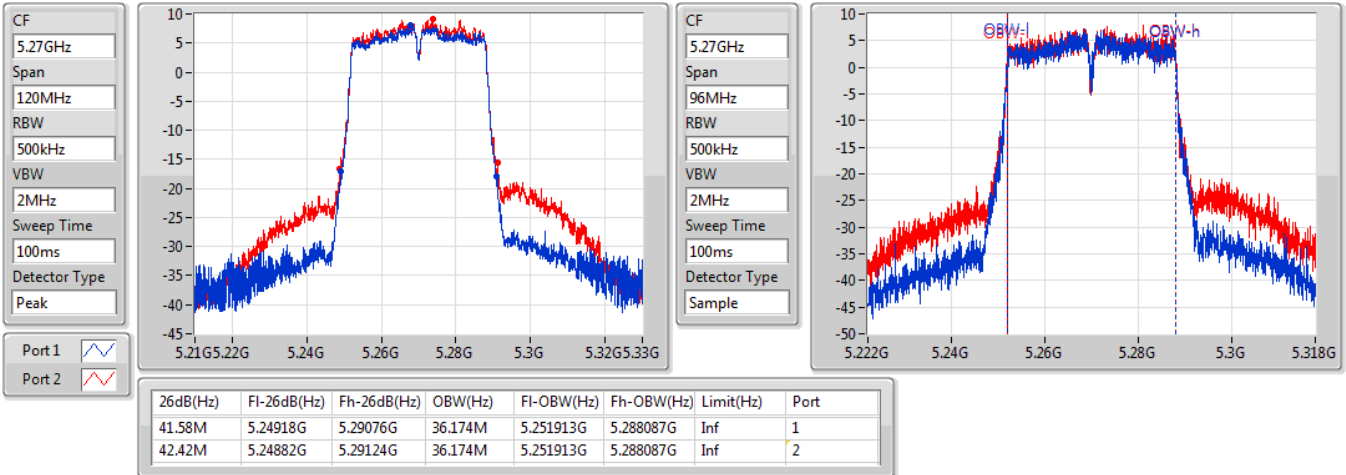


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5270MHz

15/06/2020

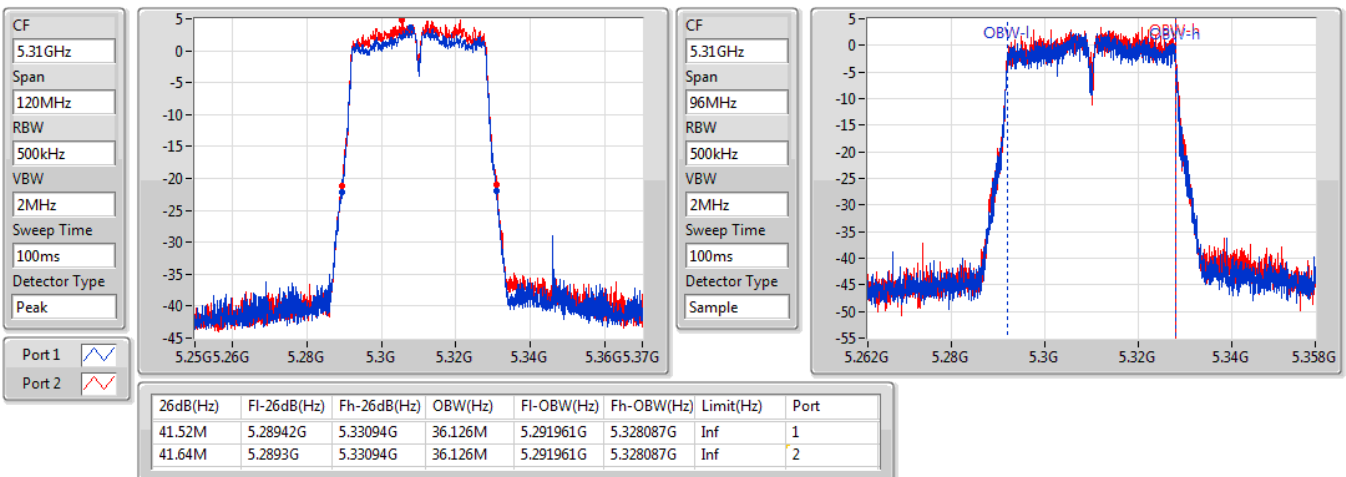


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5310MHz

18/06/2020



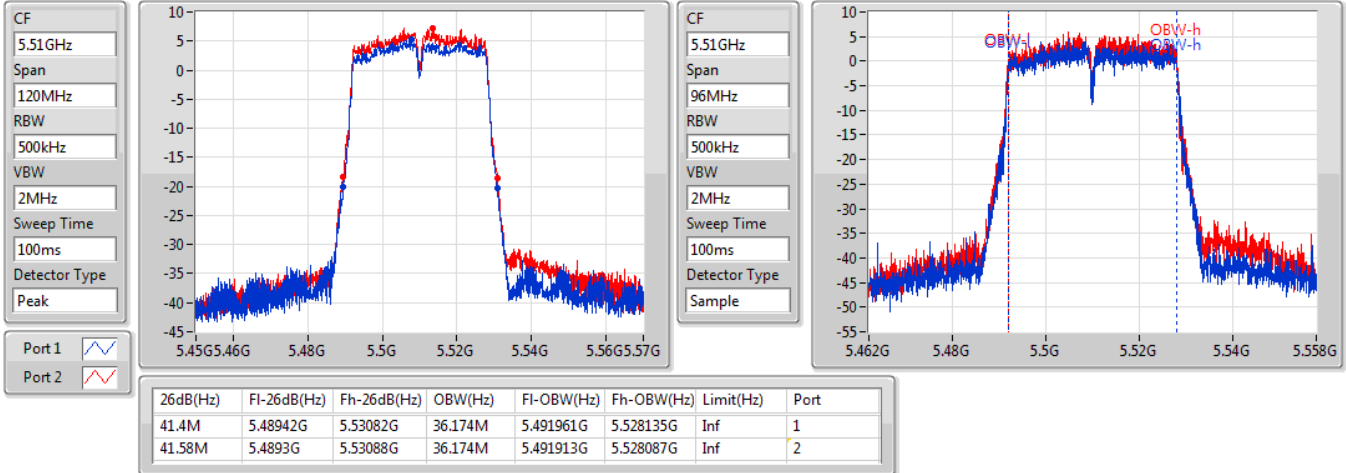


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5510MHz

18/06/2020

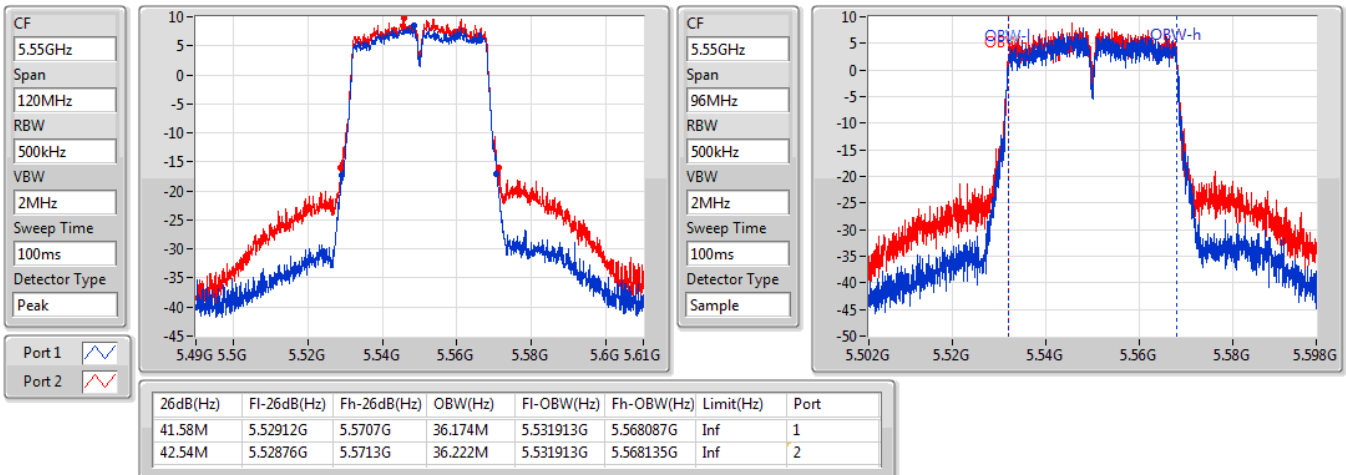


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5550MHz

15/06/2020



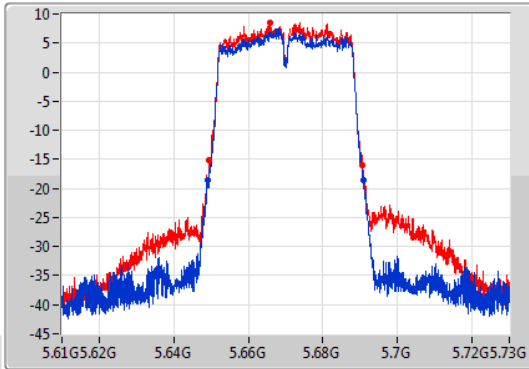
802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

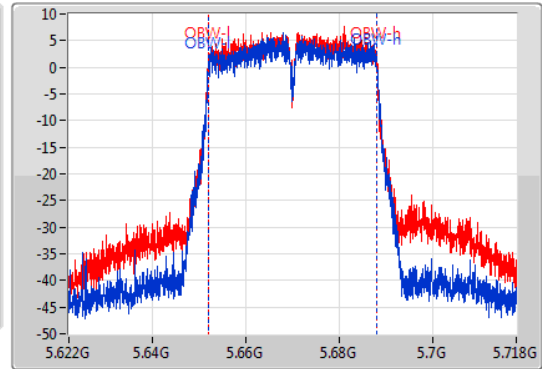
5670MHz

18/06/2020

CF  
5.67GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.67GHz  
Span  
96MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.94M	5.649G	5.69094G	36.222M	5.651913G	5.688135G	Inf	1
41.1M	5.6496G	5.6907G	36.126M	5.651961G	5.688087G	Inf	2

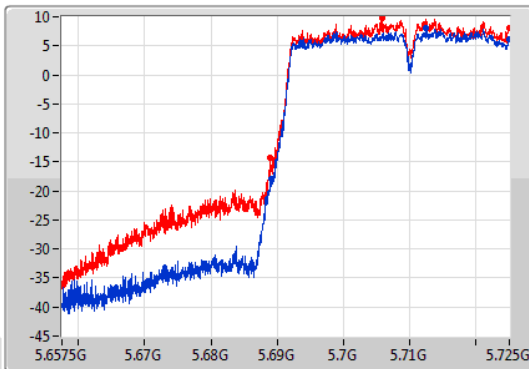
802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

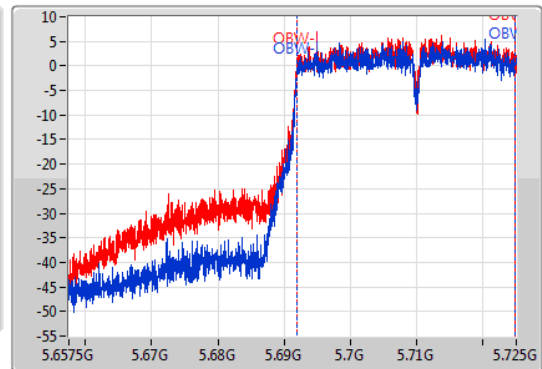
5710MHz Straddle 5.47-5.725GHz

15/06/2020

CF  
5.69125GHz  
Span  
67.5MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.69125GHz  
Span  
67.5MHz  
RBW  
300kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



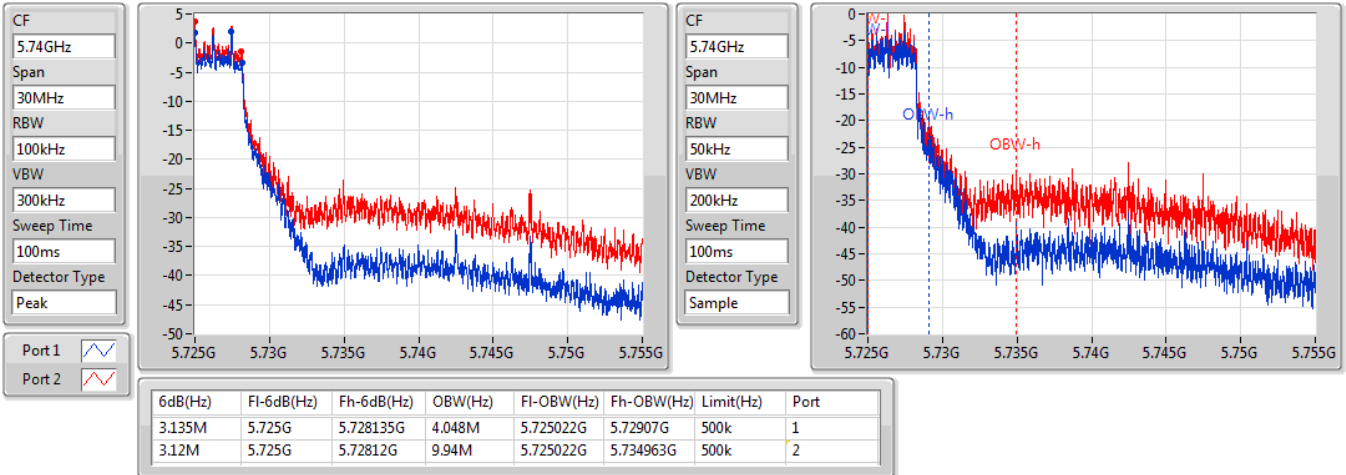
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.978M	5.689023G	5.725G	32.924M	5.691925G	5.724848G	Inf	1
36.079M	5.688921G	5.725G	32.957M	5.691891G	5.724848G	Inf	2

802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

15/06/2020

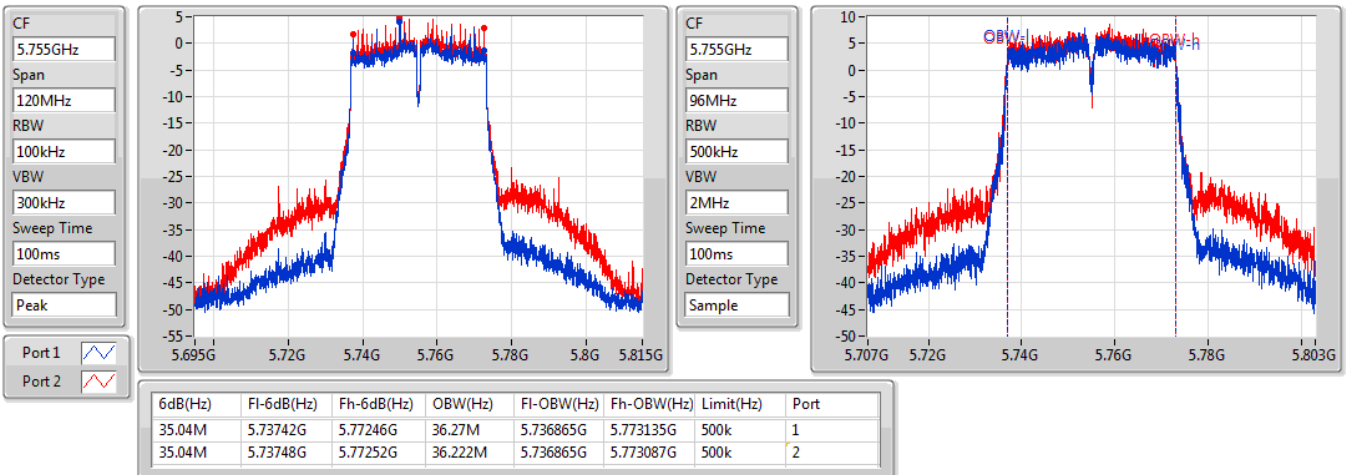


802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

5755MHz

15/06/2020



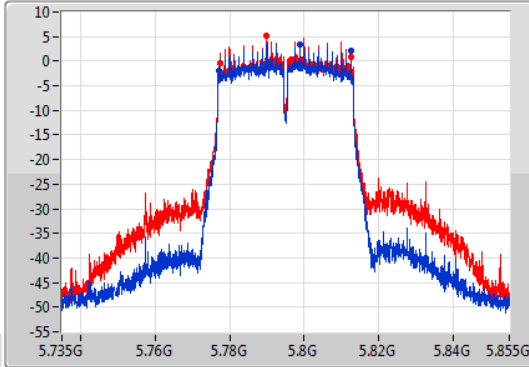
### 802.11ac VHT40\_Nss1,(MCS0)\_2TX

EBW

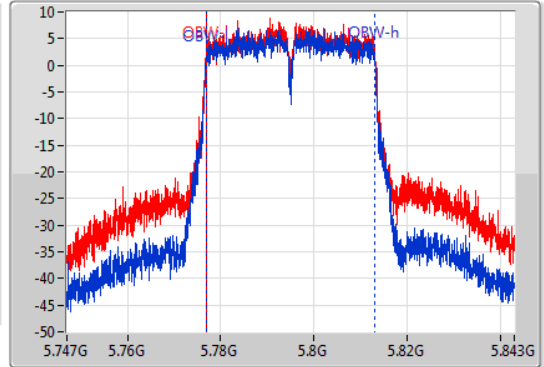
5795MHz

15/06/2020

CF  
5.795GHz  
Span  
120MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.795GHz  
Span  
96MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.28M	5.77724G	5.81252G	36.126M	5.776913G	5.813039G	500k	1
35.1M	5.77742G	5.81252G	36.27M	5.776865G	5.813135G	500k	2

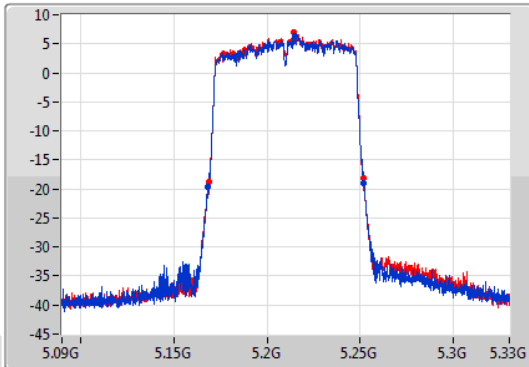
### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

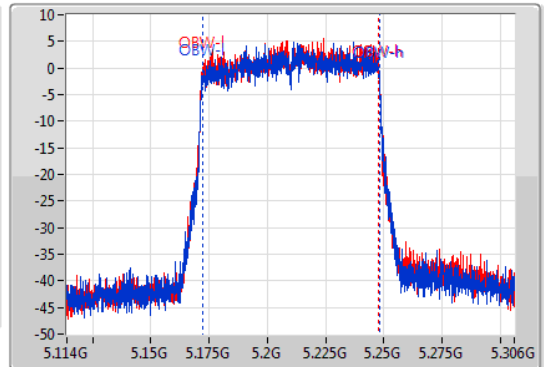
5210MHz

15/06/2020

CF  
5.21GHz  
Span  
240MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.21GHz  
Span  
192MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Sample



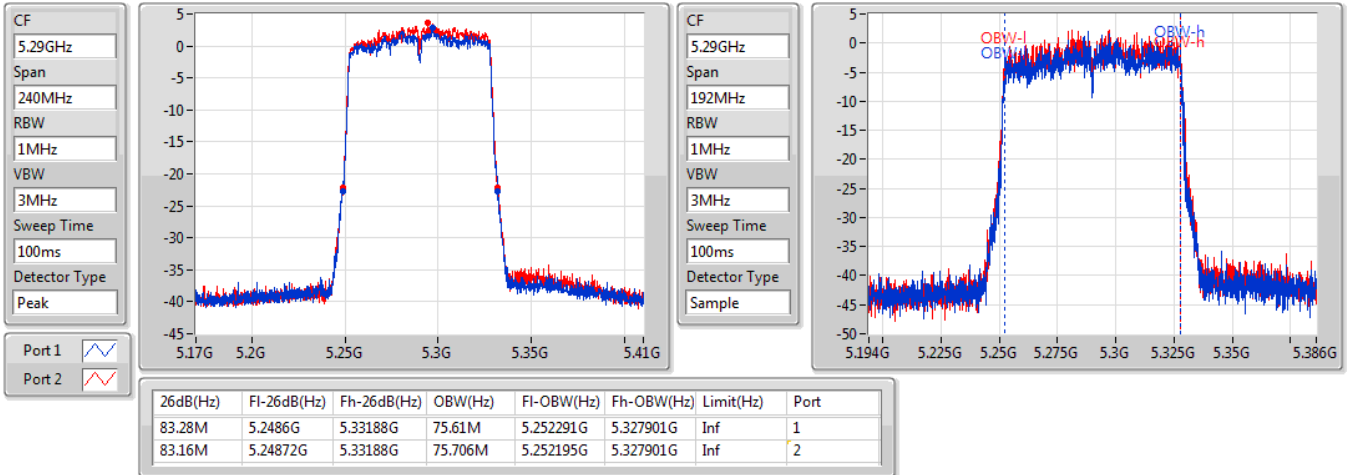
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.76M	5.16824G	5.252G	75.802M	5.172195G	5.247997G	Inf	1
82.56M	5.1692G	5.25176G	75.802M	5.172099G	5.247901G	Inf	2

802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

5290MHz

18/06/2020

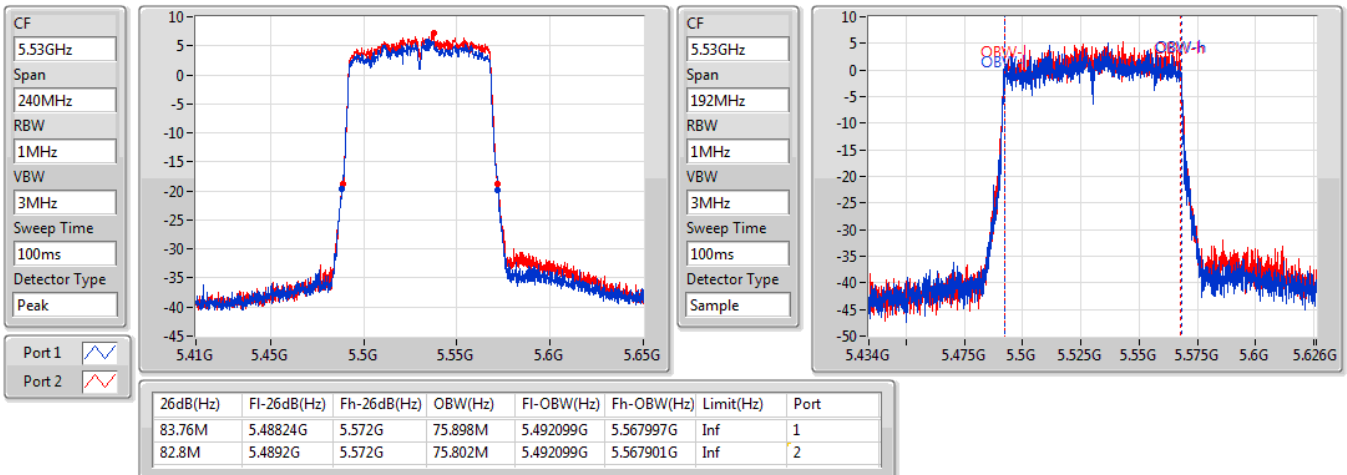


802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

5530MHz

15/06/2020

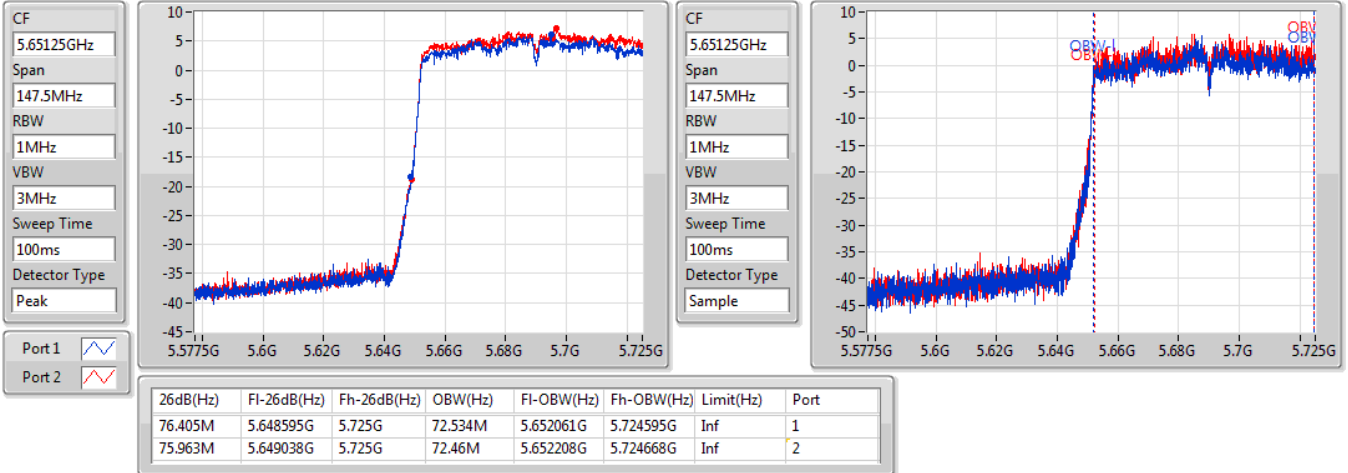


### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

#### 5690MHz Straddle 5.47-5.725GHz

15/06/2020

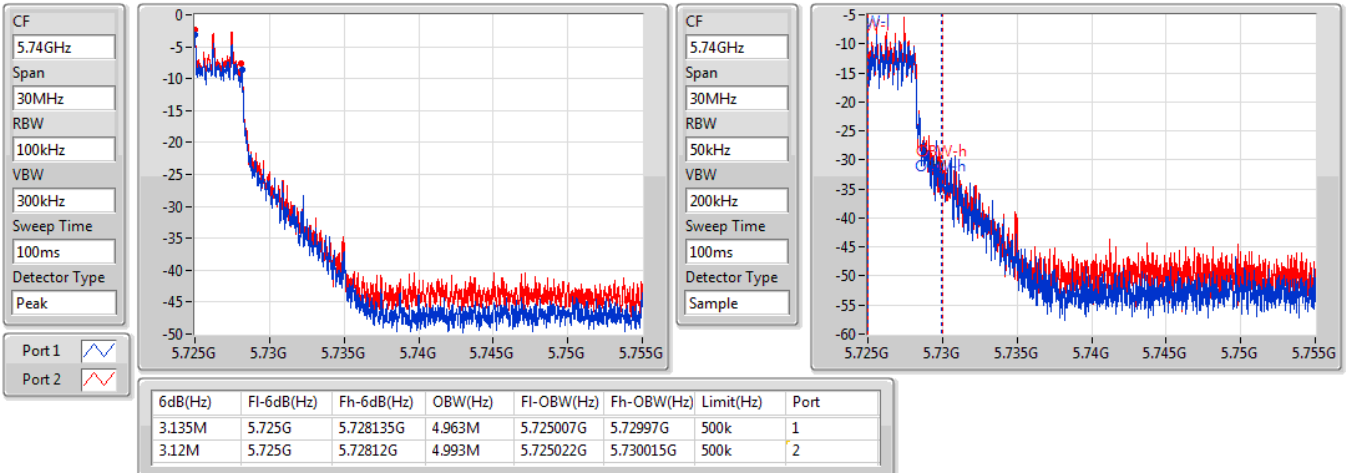


### 802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

#### 5690MHz Straddle 5.725-5.85GHz

15/06/2020



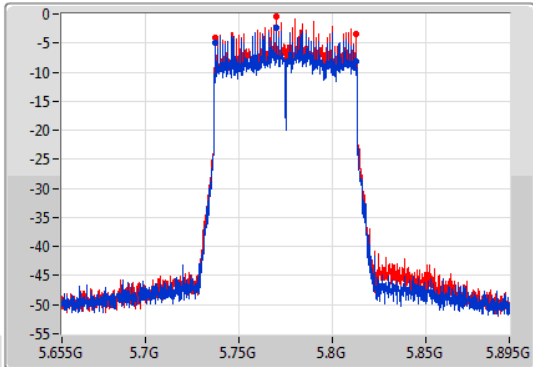
802.11ac VHT80\_Nss1,(MCS0)\_2TX

EBW

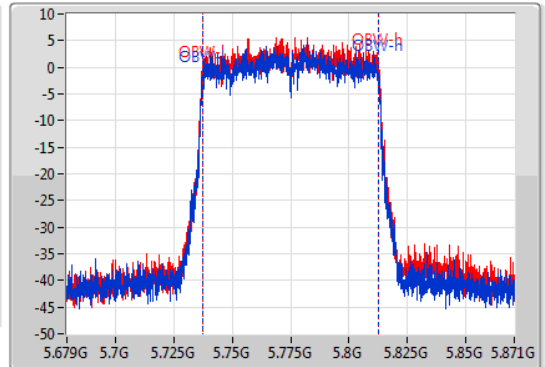
5775MHz



15/06/2020

CF  
5.775GHz  
Span  
240MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.775GHz  
Span  
192MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1   
Port 2 

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.12M	5.73744G	5.81256G	75.514M	5.737291G	5.812805G	500k	1
75.12M	5.73744G	5.81256G	75.706M	5.737099G	5.812805G	500k	2



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.88	0.12246	24.48	0.28054
802.11ac VHT20_Nss1,(MCS0)_2TX	21.93	0.15596	25.53	0.35727
802.11ac VHT40_Nss1,(MCS0)_2TX	20.87	0.12218	24.47	0.27990
802.11ac VHT80_Nss1,(MCS0)_2TX	17.42	0.05521	21.02	0.12647
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.46	0.11117	24.06	0.25468
802.11ac VHT20_Nss1,(MCS0)_2TX	21.61	0.14488	25.21	0.33189
802.11ac VHT40_Nss1,(MCS0)_2TX	20.56	0.11376	24.16	0.26062
802.11ac VHT80_Nss1,(MCS0)_2TX	14.59	0.02877	18.19	0.06592
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.58	0.11429	24.78	0.30061
802.11ac VHT20_Nss1,(MCS0)_2TX	22.01	0.15885	26.21	0.41783
802.11ac VHT40_Nss1,(MCS0)_2TX	20.74	0.11858	24.94	0.31189
802.11ac VHT80_Nss1,(MCS0)_2TX	17.40	0.05495	21.60	0.14454
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.69	0.11722	24.89	0.30832
802.11ac VHT20_Nss1,(MCS0)_2TX	21.98	0.15776	26.18	0.41495
802.11ac VHT40_Nss1,(MCS0)_2TX	20.89	0.12274	25.09	0.32285
802.11ac VHT80_Nss1,(MCS0)_2TX	17.47	0.05585	21.67	0.14689





Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.60	17.89	17.85	20.88	23.98	24.48	30.00
5200MHz	Pass	3.60	17.70	17.95	20.84	23.98	24.44	30.00
5240MHz	Pass	3.60	17.24	17.79	20.53	23.98	24.13	30.00
5260MHz	Pass	3.60	17.14	17.74	20.46	23.98	24.06	30.00
5300MHz	Pass	3.60	16.97	17.57	20.29	23.98	23.89	30.00
5320MHz	Pass	3.60	16.65	17.25	19.97	23.98	23.57	30.00
5500MHz	Pass	4.20	17.07	17.67	20.39	23.98	24.59	30.00
5580MHz	Pass	4.20	17.31	17.81	20.58	23.98	24.78	30.00
5700MHz	Pass	4.20	15.73	16.22	18.99	23.98	23.19	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.20	16.26	17.16	19.74	23.05	23.94	29.05
5720MHz Straddle 5.725-5.85GHz	Pass	4.20	9.41	10.44	12.97	30.00	17.17	36.00
5745MHz	Pass	4.20	17.25	18.07	20.69	30.00	24.89	36.00
5785MHz	Pass	4.20	17.17	18.12	20.68	30.00	24.88	36.00
5825MHz	Pass	4.20	16.83	17.92	20.42	30.00	24.62	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	3.60	18.38	18.22	21.31	23.98	24.91	30.00
5200MHz	Pass	3.60	18.97	18.86	21.93	23.98	25.53	30.00
5240MHz	Pass	3.60	18.56	18.81	21.70	23.98	25.30	30.00
5260MHz	Pass	3.60	18.49	18.71	21.61	23.98	25.21	30.00
5300MHz	Pass	3.60	18.16	18.74	21.47	23.98	25.07	30.00
5320MHz	Pass	3.60	17.48	18.12	20.82	23.98	24.42	30.00
5500MHz	Pass	4.20	11.52	12.80	15.22	23.98	19.42	30.00
5580MHz	Pass	4.20	18.77	19.22	22.01	23.98	26.21	30.00
5700MHz	Pass	4.20	13.13	13.61	16.39	23.98	20.59	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.20	17.21	18.35	20.83	23.28	25.03	29.28
5720MHz Straddle 5.725-5.85GHz	Pass	4.20	11.38	12.02	14.72	30.00	18.92	36.00
5745MHz	Pass	4.20	18.40	19.36	21.92	30.00	26.12	36.00
5785MHz	Pass	4.20	18.50	19.40	21.98	30.00	26.18	36.00
5825MHz	Pass	4.20	18.05	19.24	21.70	30.00	25.90	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	3.60	15.67	15.60	18.65	23.98	22.25	30.00
5230MHz	Pass	3.60	17.76	17.96	20.87	23.98	24.47	30.00
5270MHz	Pass	3.60	17.29	17.80	20.56	23.98	24.16	30.00
5310MHz	Pass	3.60	13.09	14.10	16.63	23.98	20.23	30.00
5510MHz	Pass	4.20	14.94	15.28	18.12	23.98	22.32	30.00
5550MHz	Pass	4.20	17.57	17.88	20.74	23.98	24.94	30.00
5670MHz	Pass	4.20	16.70	16.87	19.80	23.98	24.00	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.20	17.04	17.91	20.51	23.98	24.71	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.20	6.04	7.40	9.78	30.00	13.98	36.00
5755MHz	Pass	4.20	17.41	18.30	20.89	30.00	25.09	36.00
5795MHz	Pass	4.20	17.39	18.13	20.79	30.00	24.99	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	3.60	14.33	14.48	17.42	23.98	21.02	30.00

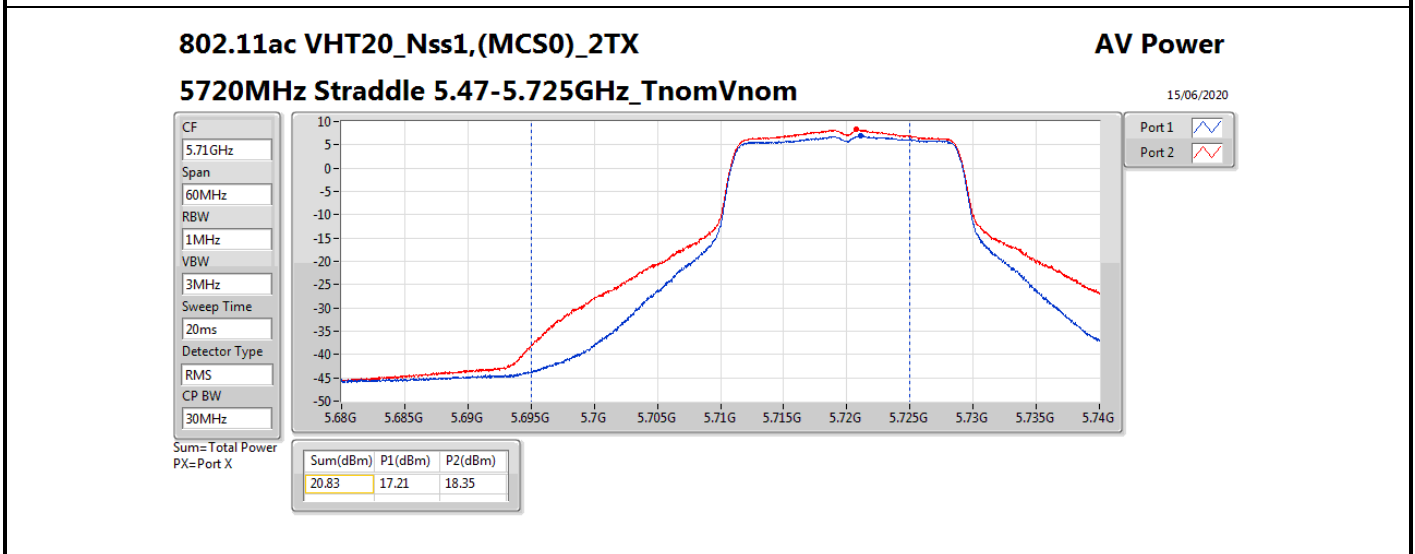
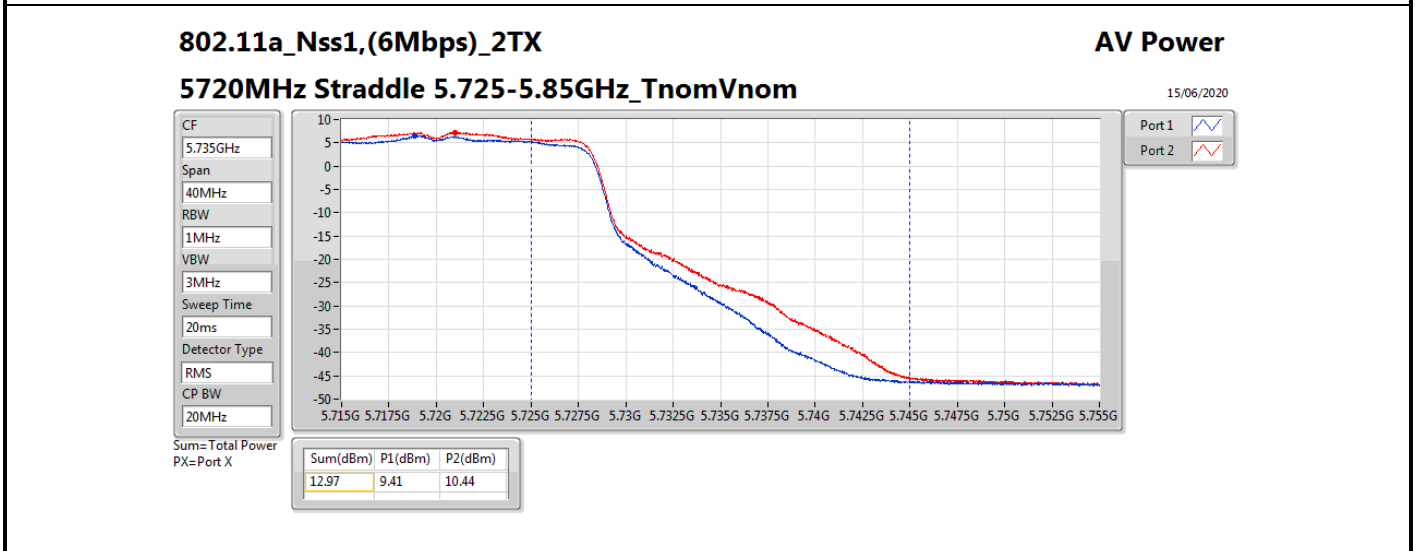
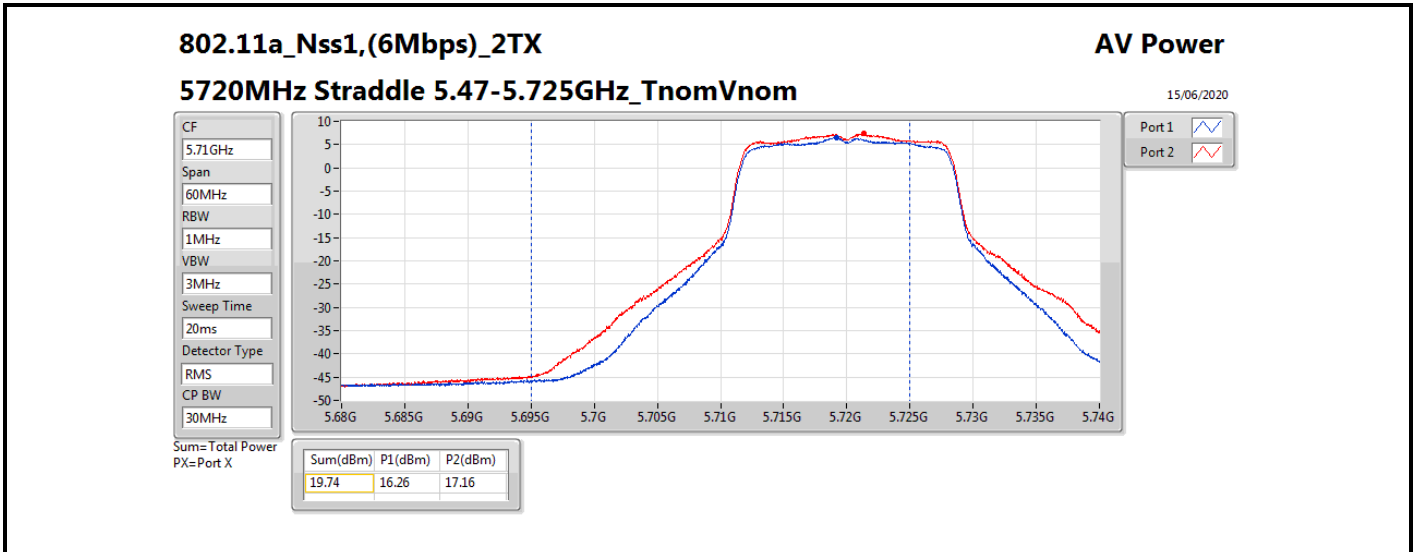


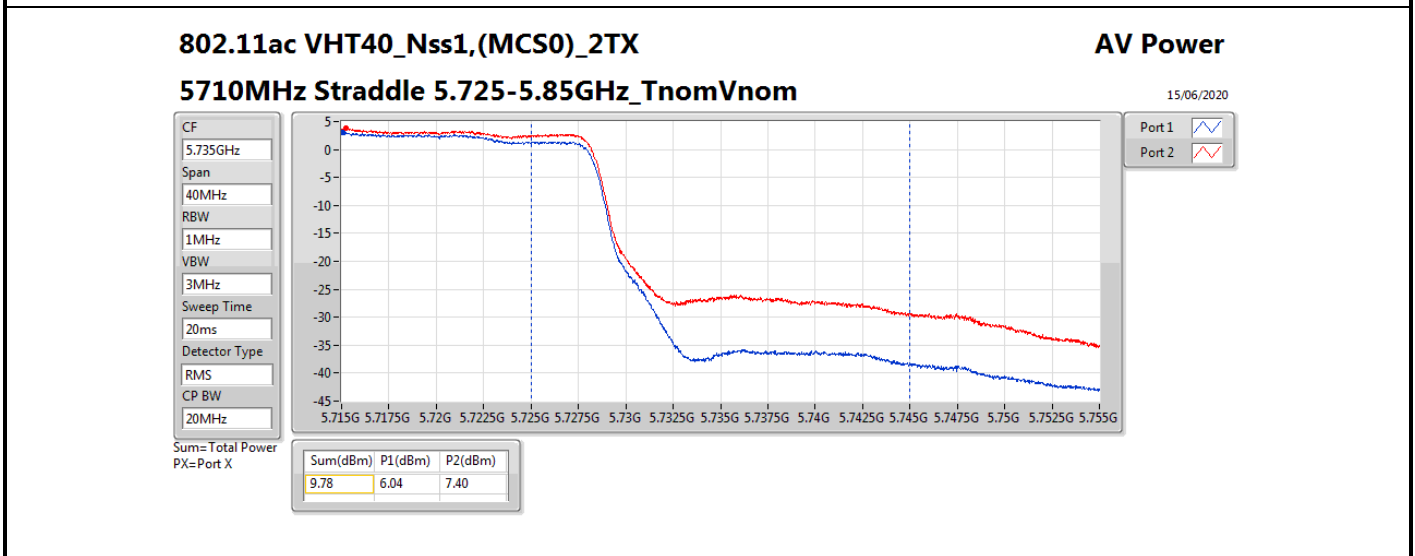
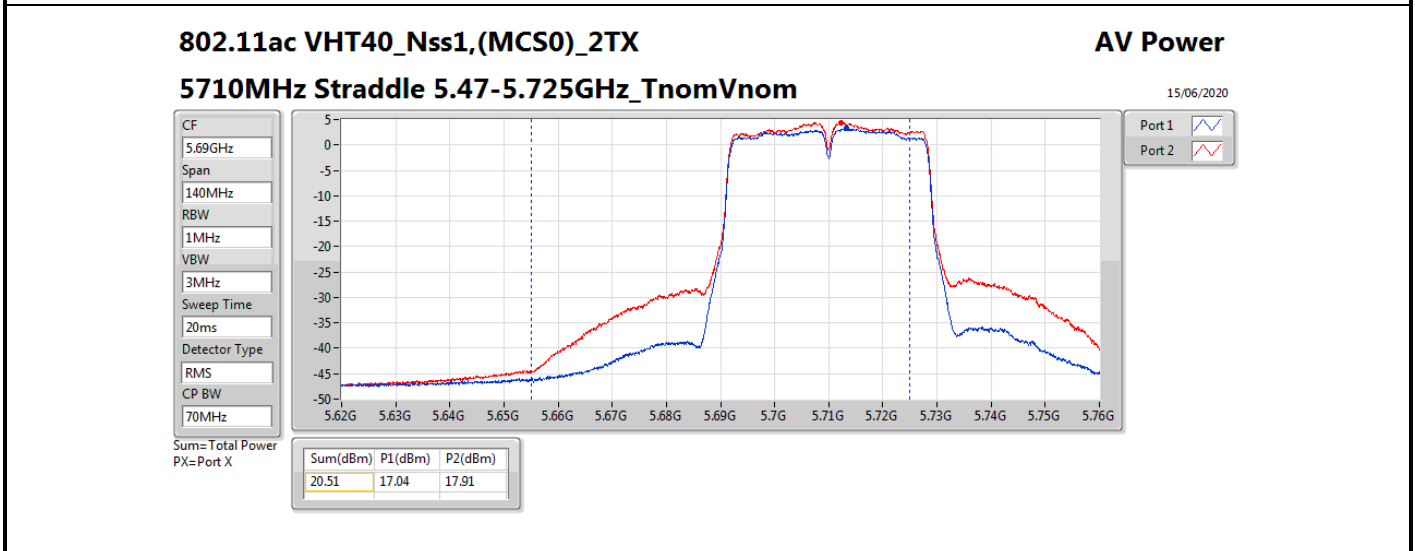
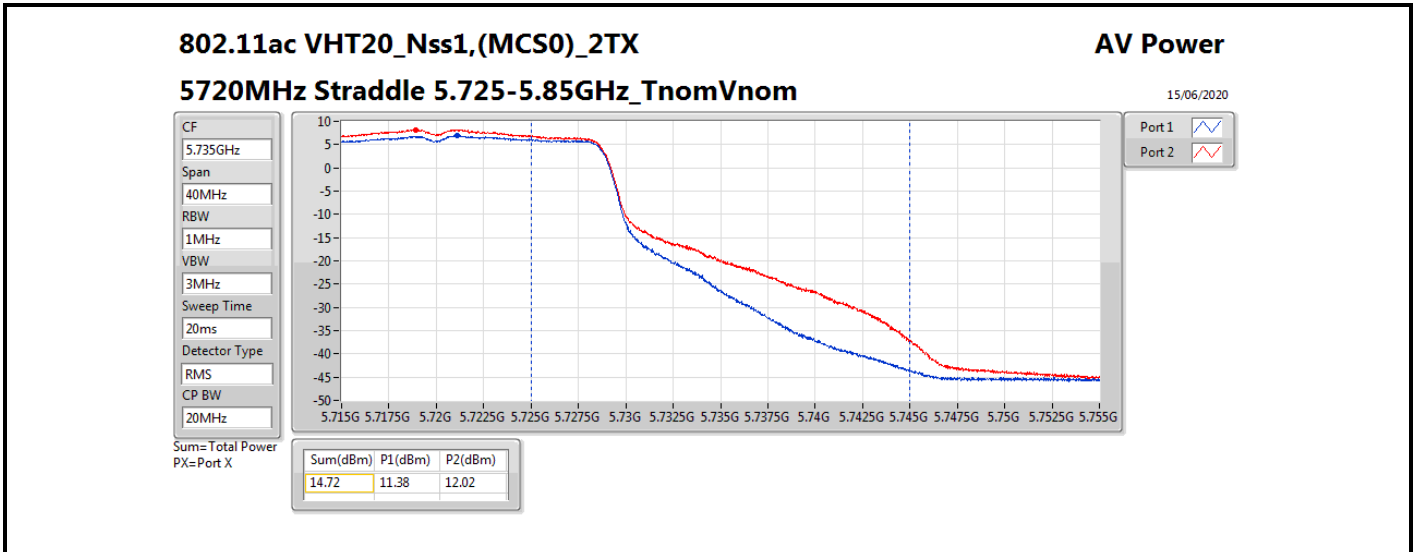
## Average Power

## Appendix C

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5290MHz	Pass	3.60	11.22	11.92	14.59	23.98	18.19	30.00
5530MHz	Pass	4.20	14.00	14.74	17.40	23.98	21.60	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.20	13.87	14.80	17.37	23.98	21.57	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.20	0.39	1.22	3.84	30.00	8.04	36.00
5775MHz	Pass	4.20	13.91	14.94	17.47	30.00	21.67	36.00

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





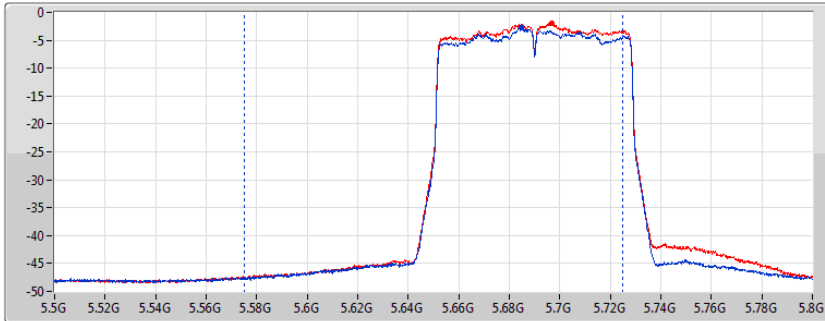
802.11ac VHT80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz\_TnomVnom

15/06/2020

CF  
5.65GHz  
Span  
300MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS  
CP BW  
150MHz



Port 1  
Port 2

Sum=Total Power  
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
17.37	13.87	14.80

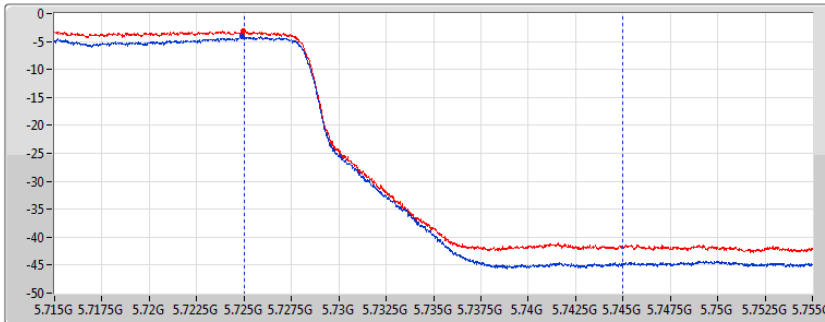
802.11ac VHT80\_Nss1,(MCS0)\_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz\_TnomVnom

15/06/2020

CF  
5.735GHz  
Span  
40MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS  
CP BW  
20MHz



Port 1  
Port 2

Sum=Total Power  
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
3.84	0.39	1.22



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.91	15.52
802.11ac VHT20_Nss1,(MCS0)_2TX	9.43	16.04
802.11ac VHT40_Nss1,(MCS0)_2TX	5.26	11.87
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.92	5.69
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.24	14.85
802.11ac VHT20_Nss1,(MCS0)_2TX	9.05	15.66
802.11ac VHT40_Nss1,(MCS0)_2TX	4.96	11.57
802.11ac VHT80_Nss1,(MCS0)_2TX	-4.14	2.47
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.75	15.96
802.11ac VHT20_Nss1,(MCS0)_2TX	9.49	16.70
802.11ac VHT40_Nss1,(MCS0)_2TX	5.57	12.78
802.11ac VHT80_Nss1,(MCS0)_2TX	-0.93	6.28
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.08	14.29
802.11ac VHT20_Nss1,(MCS0)_2TX	8.04	15.25
802.11ac VHT40_Nss1,(MCS0)_2TX	3.88	11.09
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.54	4.67

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.61	6.04	5.87	8.91	10.39	15.52	17.00
5200MHz	Pass	6.61	5.61	5.71	8.64	10.39	15.25	17.00
5240MHz	Pass	6.61	5.18	5.69	8.37	10.39	14.98	17.00
5260MHz	Pass	6.61	4.94	5.61	8.24	10.39	14.85	17.00
5300MHz	Pass	6.61	4.90	5.50	8.21	10.39	14.82	17.00
5320MHz	Pass	6.61	4.54	5.14	7.83	10.39	14.44	17.00
5500MHz	Pass	7.21	5.27	6.14	8.70	9.79	15.91	17.00
5580MHz	Pass	7.21	5.54	5.97	8.75	9.79	15.96	17.00
5700MHz	Pass	7.21	3.51	4.16	6.81	9.79	14.02	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.21	5.20	5.80	8.45	9.79	15.66	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.21	2.24	2.81	5.54	28.79	12.75	36.00
5745MHz	Pass	7.21	3.91	4.46	7.08	28.79	14.29	36.00
5785MHz	Pass	7.21	3.47	4.66	7.03	28.79	14.24	36.00
5825MHz	Pass	7.21	3.19	4.46	6.85	28.79	14.06	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.61	5.54	5.29	8.39	10.39	15.00	17.00
5200MHz	Pass	6.61	6.60	6.35	9.43	10.39	16.04	17.00
5240MHz	Pass	6.61	6.00	6.31	9.09	10.39	15.70	17.00
5260MHz	Pass	6.61	6.08	6.05	9.05	10.39	15.66	17.00
5300MHz	Pass	6.61	5.89	6.08	8.96	10.39	15.57	17.00
5320MHz	Pass	6.61	5.20	5.49	8.31	10.39	14.92	17.00
5500MHz	Pass	7.21	-1.55	-0.09	2.19	9.79	9.40	17.00
5580MHz	Pass	7.21	6.40	6.70	9.49	9.79	16.70	17.00
5700MHz	Pass	7.21	0.54	1.23	3.83	9.79	11.04	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.21	5.67	6.88	9.25	9.79	16.46	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.21	3.13	3.98	6.52	28.79	13.73	36.00
5745MHz	Pass	7.21	4.75	5.30	8.04	28.79	15.25	36.00
5785MHz	Pass	7.21	4.22	5.36	7.83	28.79	15.04	36.00
5825MHz	Pass	7.21	3.83	5.14	7.47	28.79	14.68	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.61	0.06	0.10	3.06	10.39	9.67	17.00
5230MHz	Pass	6.61	2.22	2.35	5.26	10.39	11.87	17.00
5270MHz	Pass	6.61	1.86	2.15	4.96	10.39	11.57	17.00
5310MHz	Pass	6.61	-2.54	-1.94	0.73	10.39	7.34	17.00
5510MHz	Pass	7.21	-0.93	0.32	2.74	9.79	9.95	17.00
5550MHz	Pass	7.21	2.23	2.92	5.57	9.79	12.78	17.00
5670MHz	Pass	7.21	1.13	1.63	4.25	9.79	11.46	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.21	1.66	2.77	5.21	9.79	12.42	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.21	-1.70	-0.30	2.03	28.79	9.24	36.00
5755MHz	Pass	7.21	0.52	1.22	3.88	28.79	11.09	36.00
5795MHz	Pass	7.21	0.09	1.25	3.67	28.79	10.88	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.61	-3.91	-3.91	-0.92	10.39	5.69	17.00

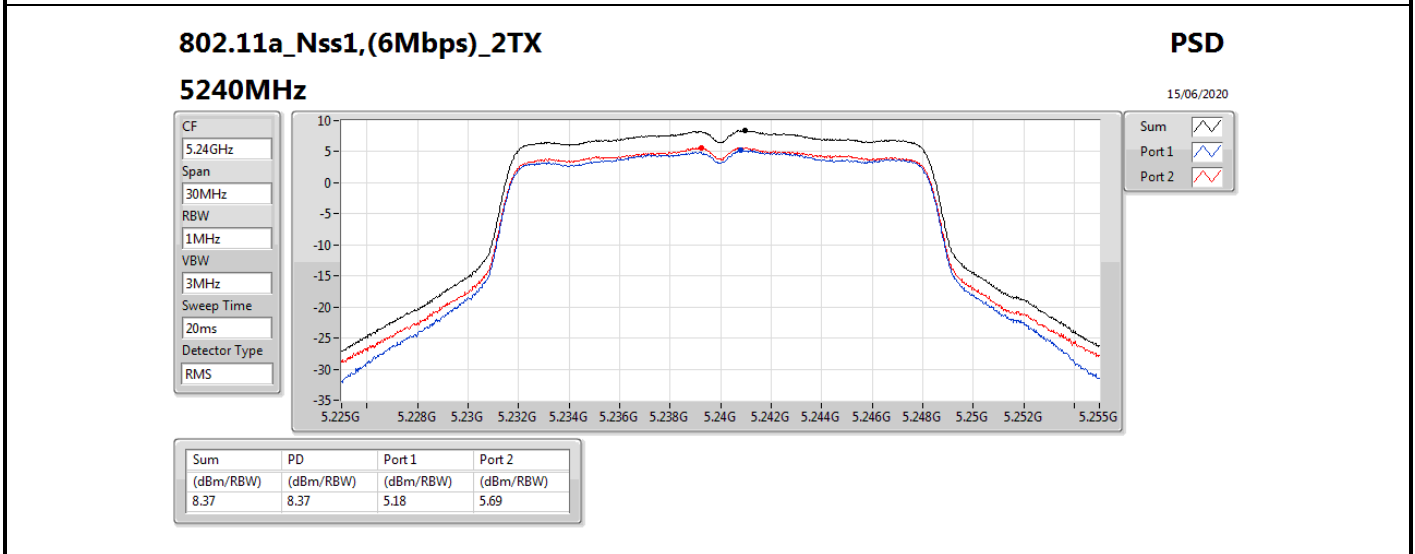
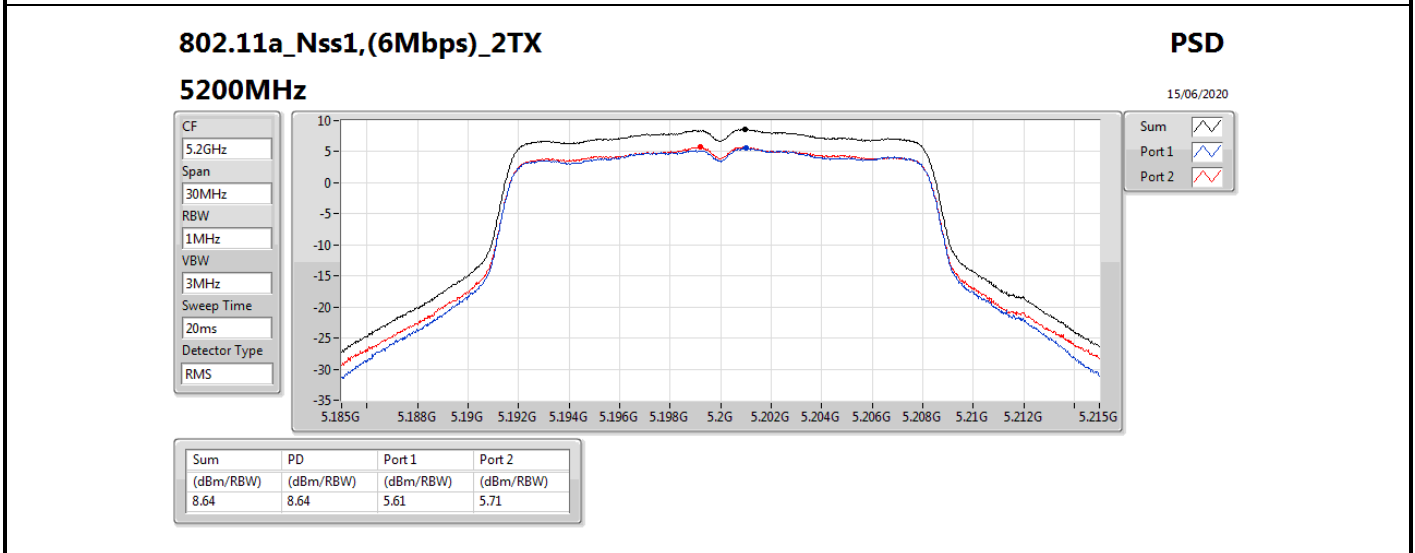
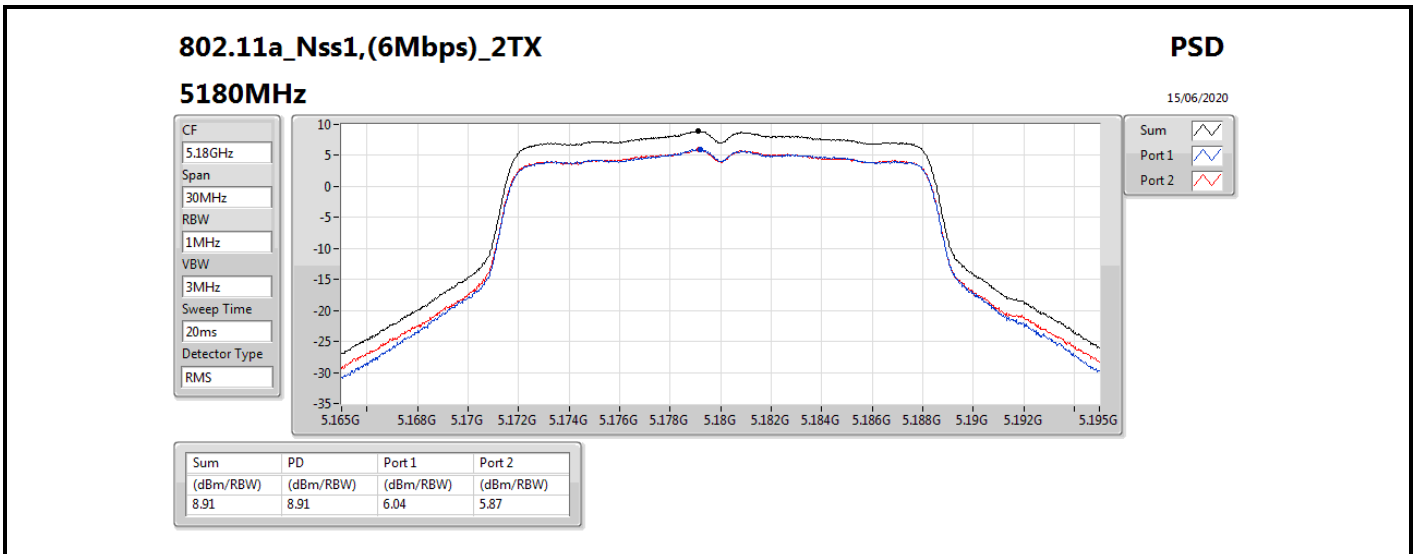


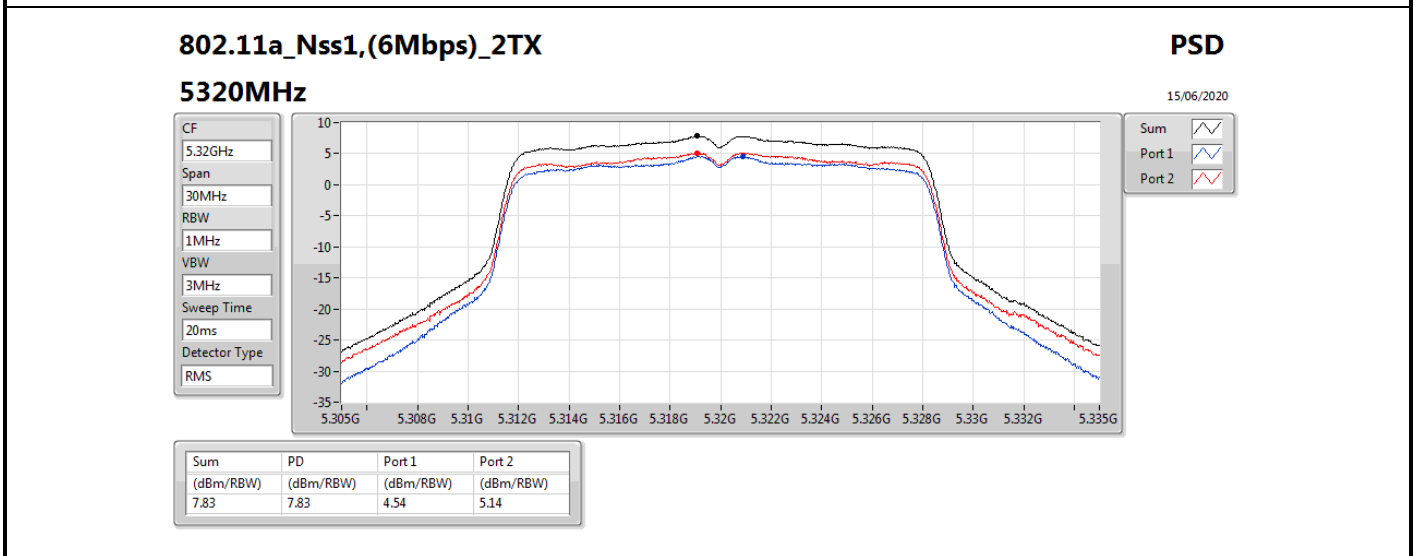
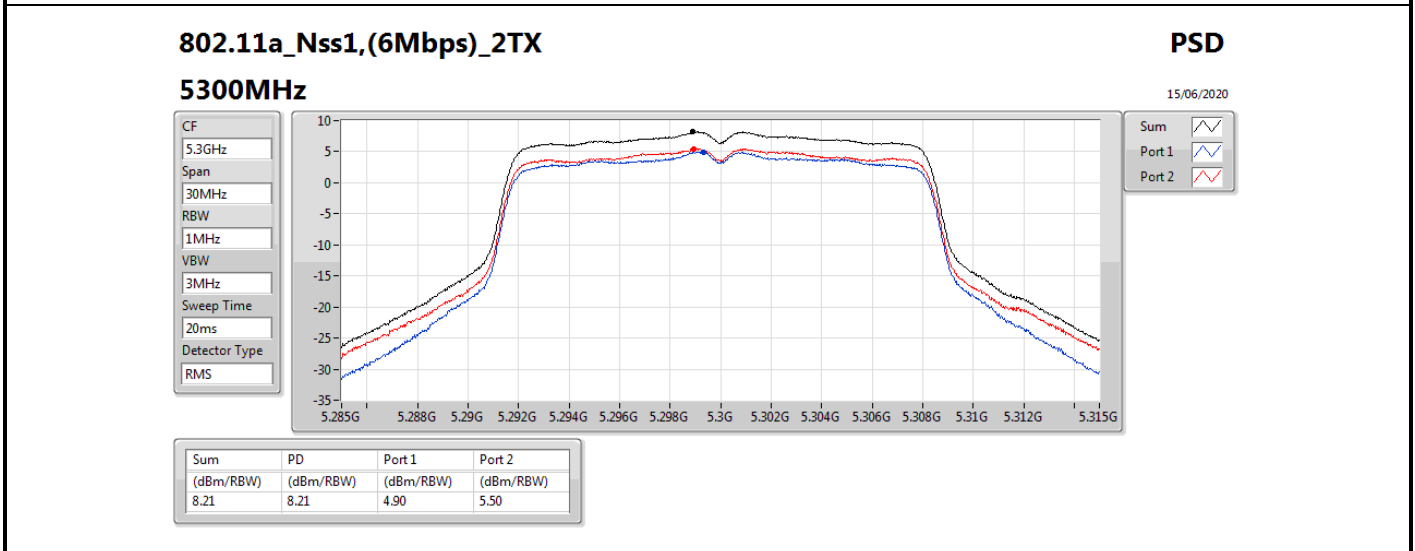
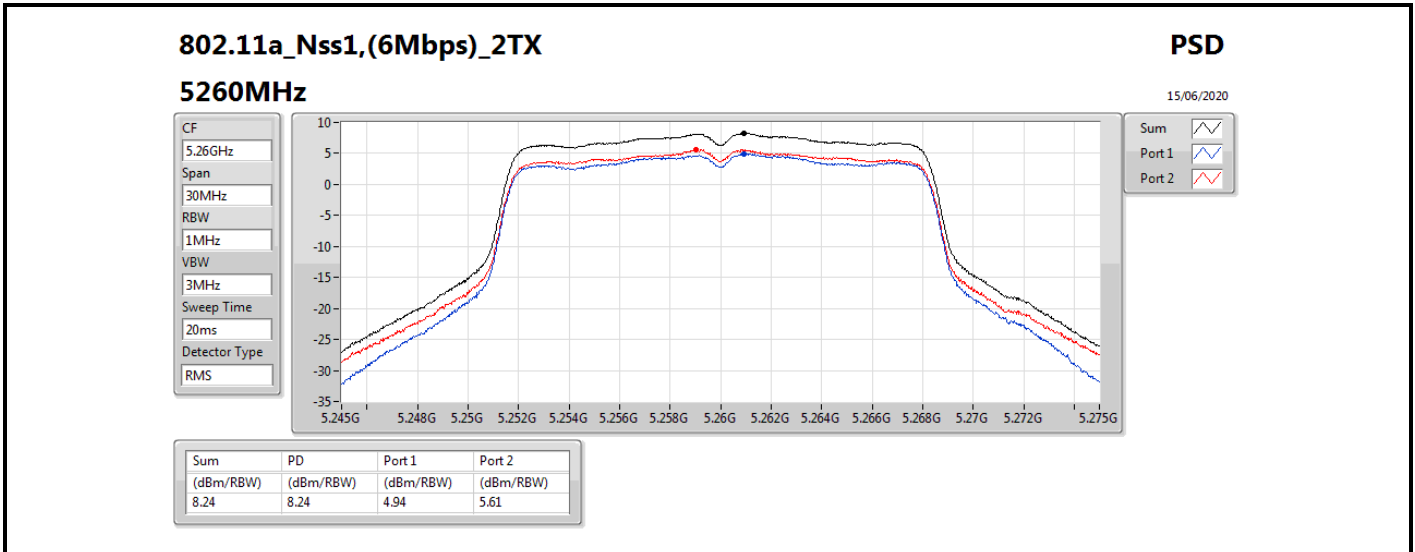
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5290MHz	Pass	6.61	-7.32	-6.91	-4.14	10.39	2.47	17.00
5530MHz	Pass	7.21	-4.29	-3.42	-0.93	9.79	6.28	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.21	-4.22	-3.40	-1.06	9.79	6.15	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.21	-7.10	-6.21	-3.62	28.79	3.59	36.00
5775MHz	Pass	7.21	-5.93	-4.98	-2.54	28.79	4.67	36.00

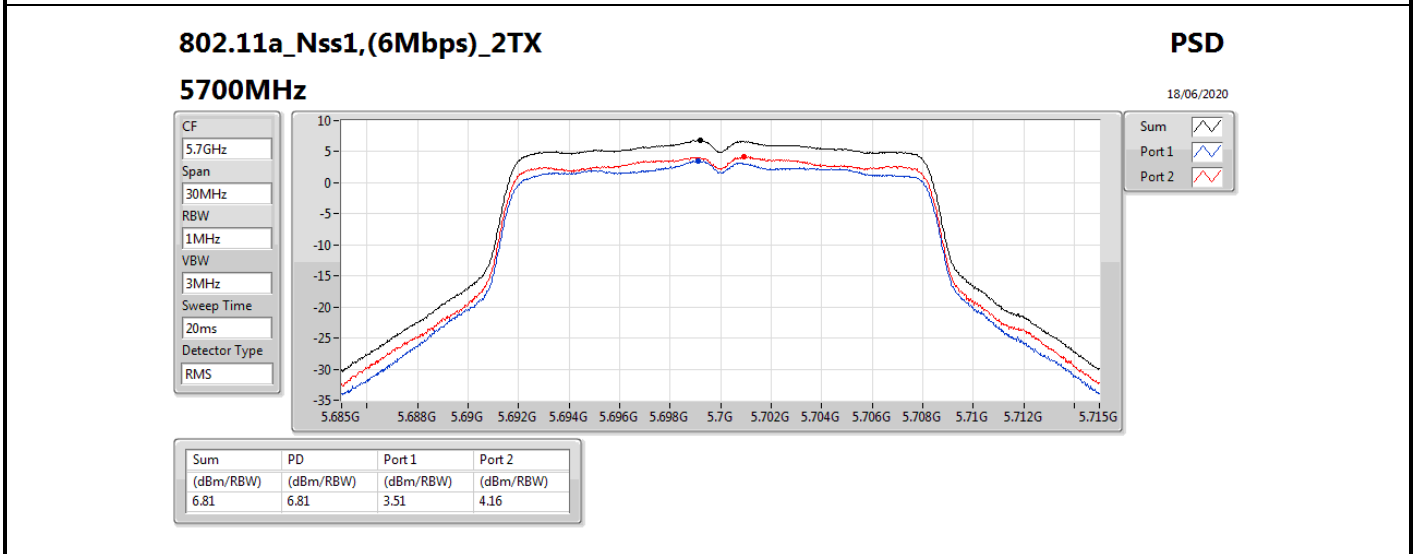
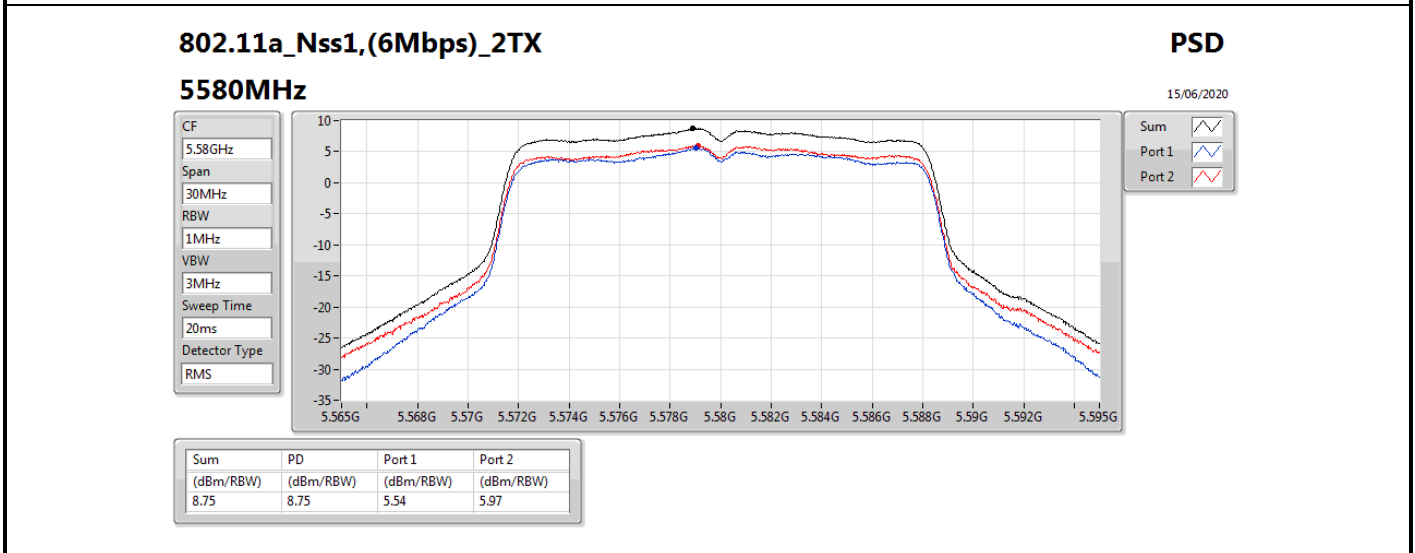
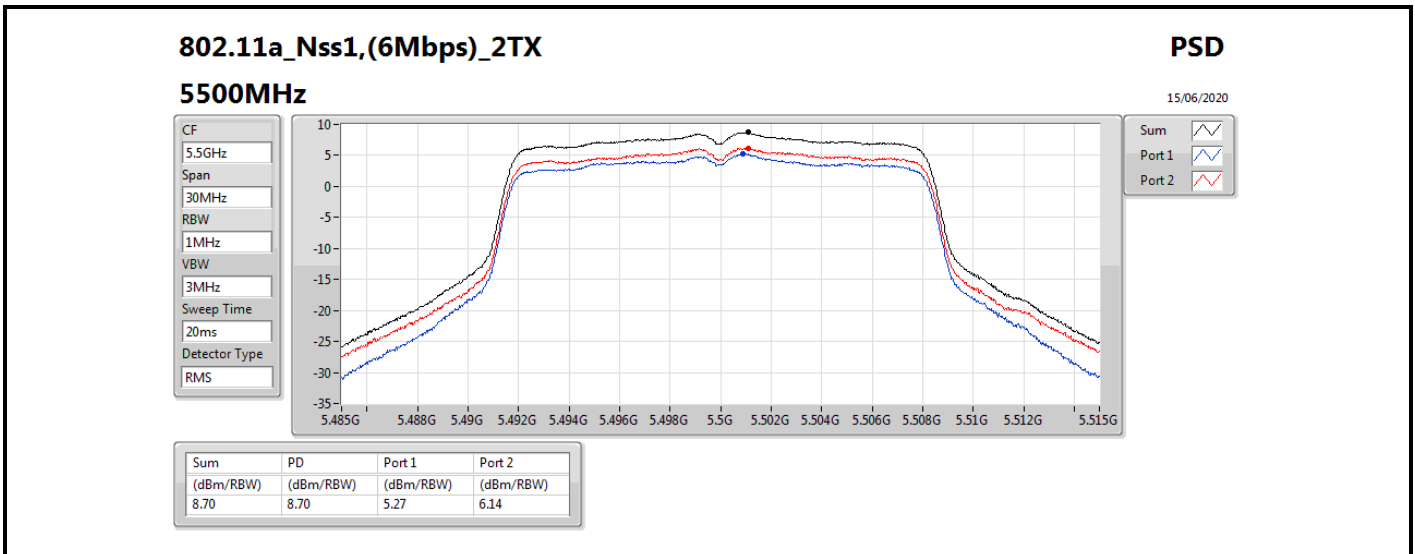
**DG** = Directional Gain; **RBW** = 500 kHz for 5.725-5.85GHz band / 1MHz for other band;

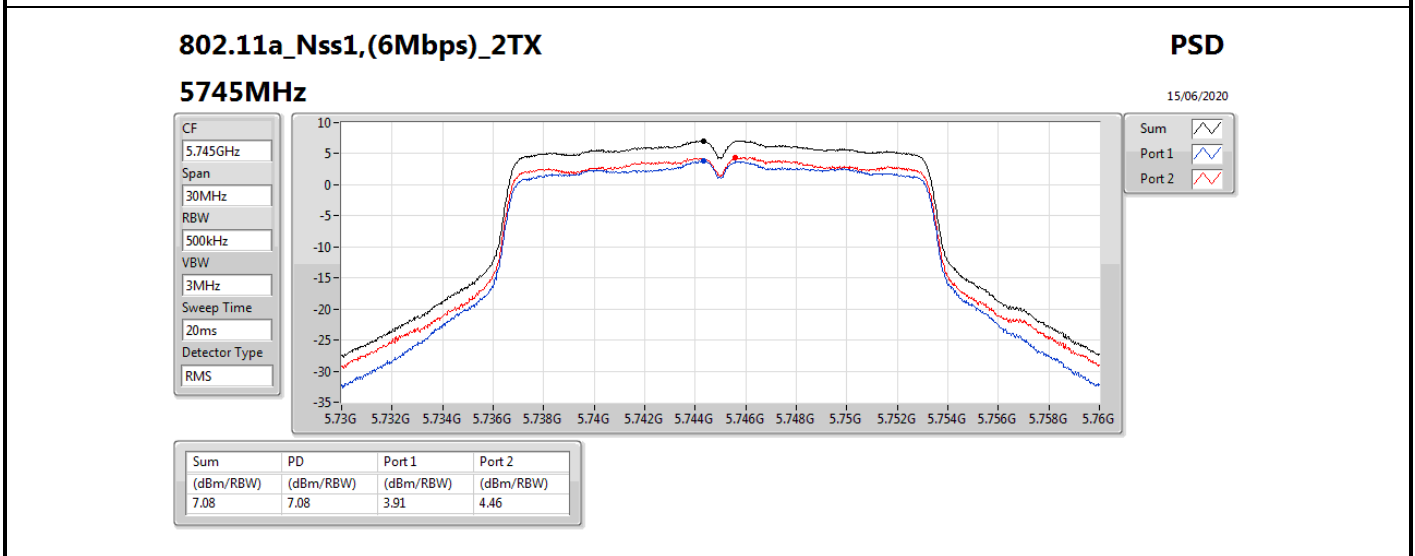
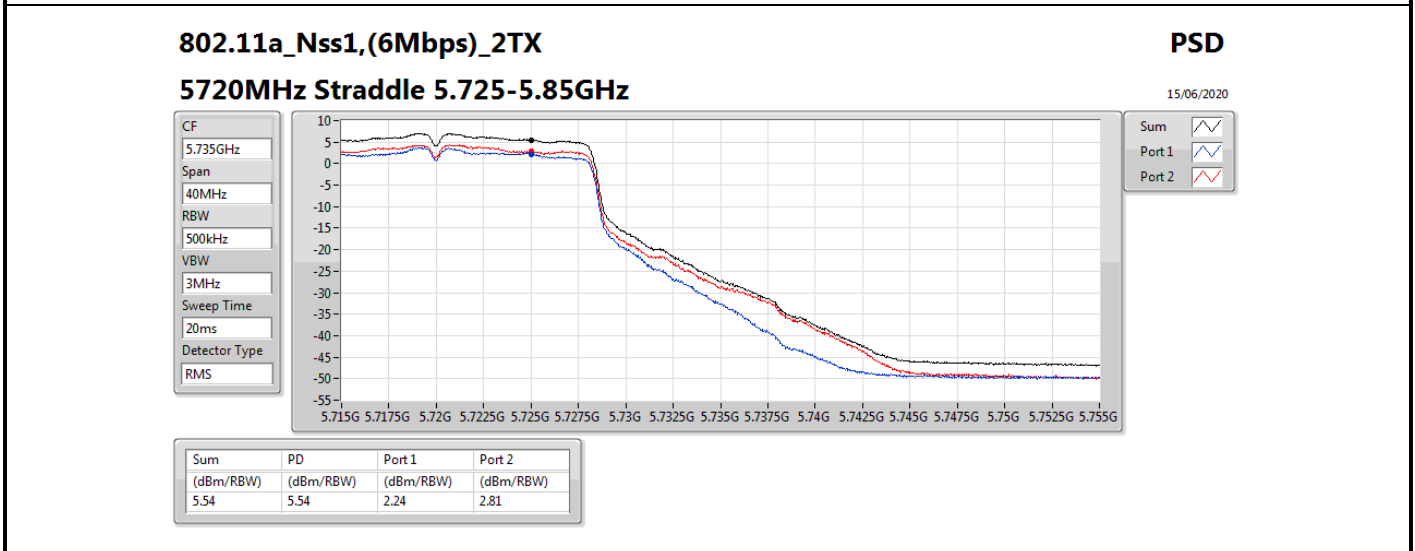
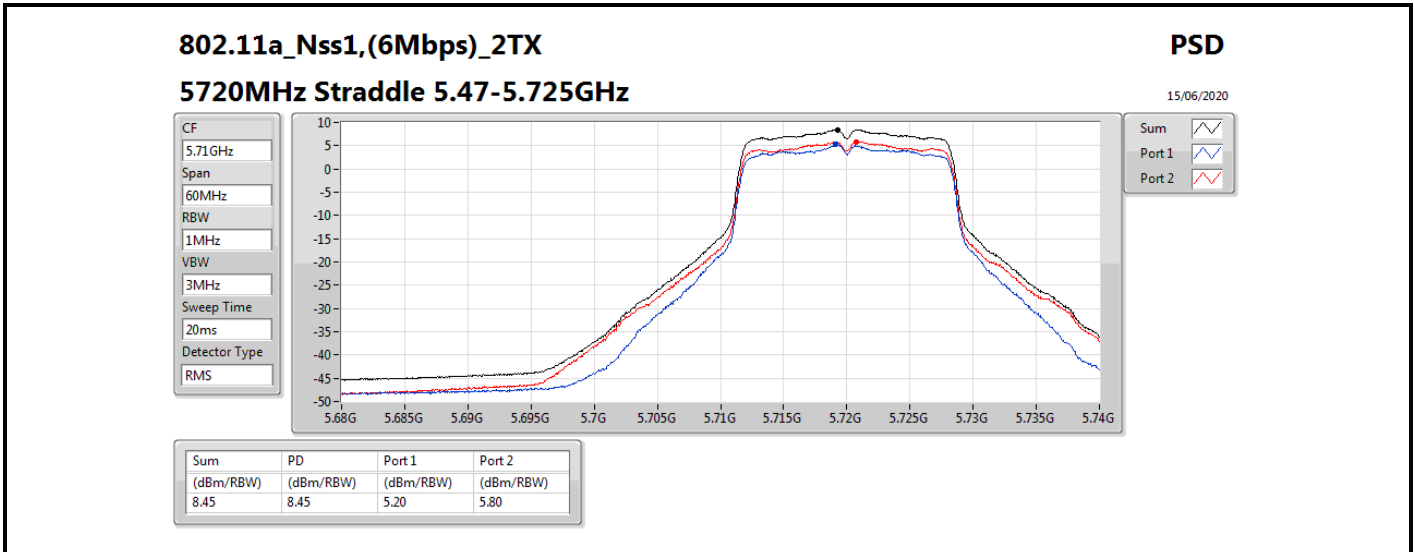
**PD** = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

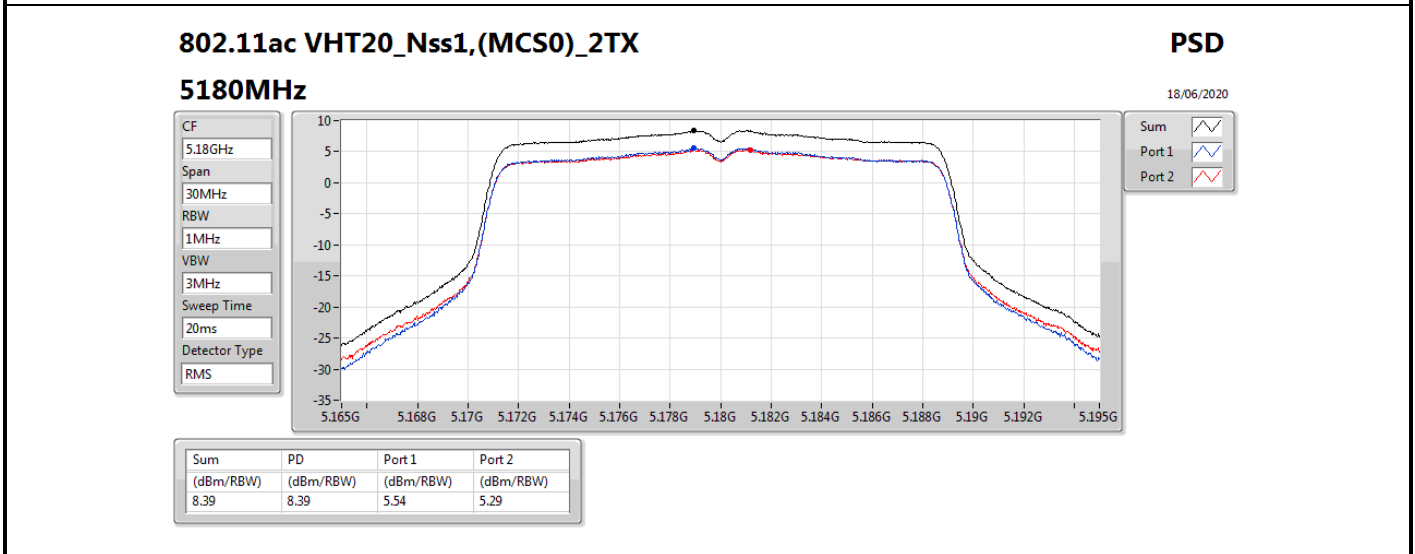
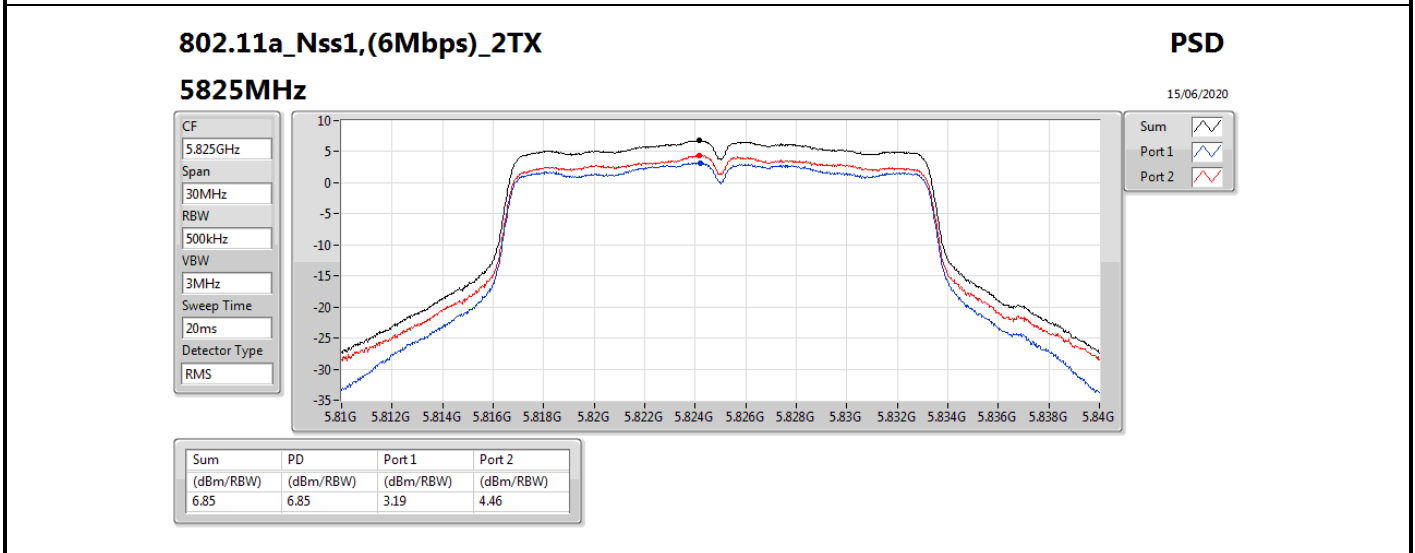
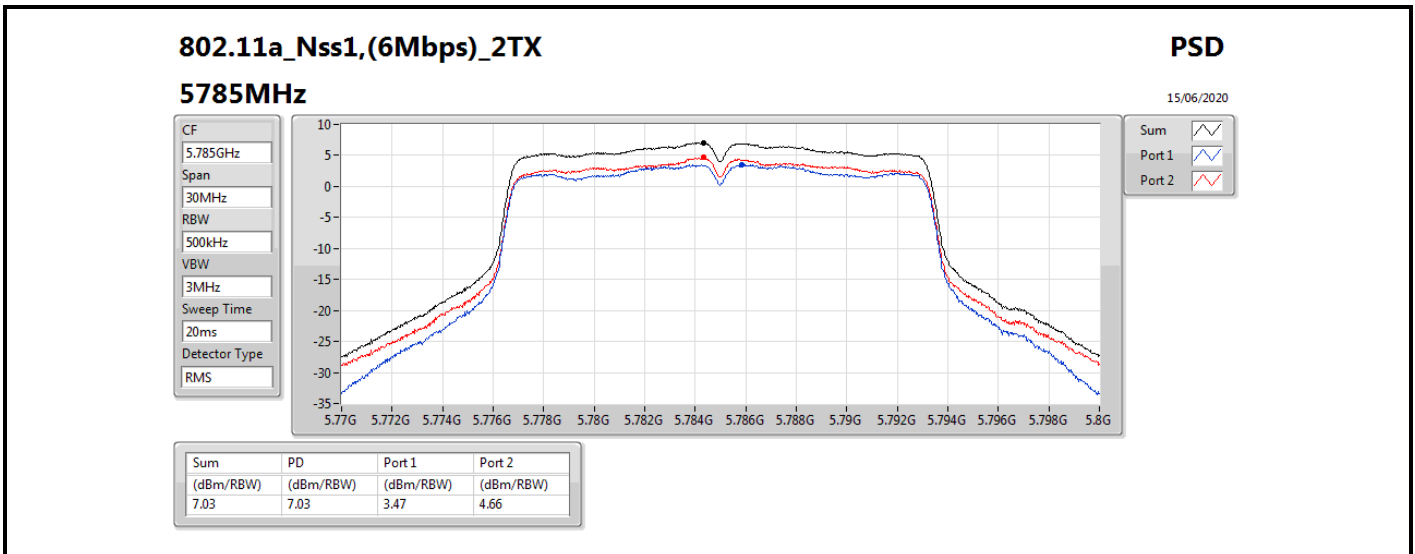


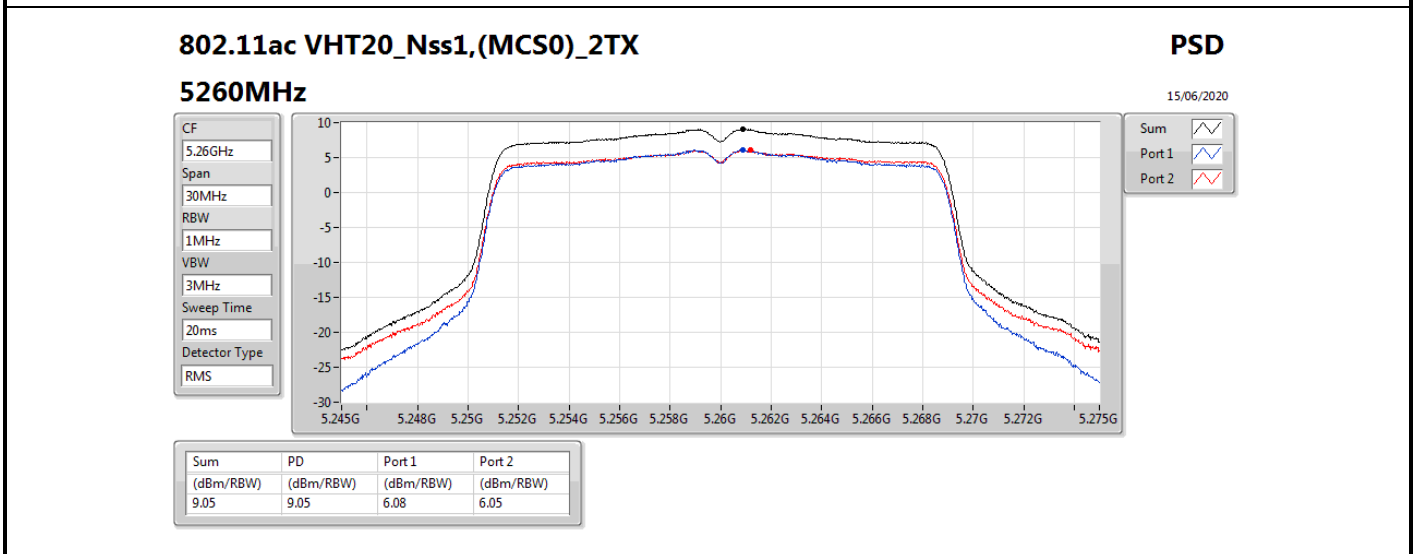
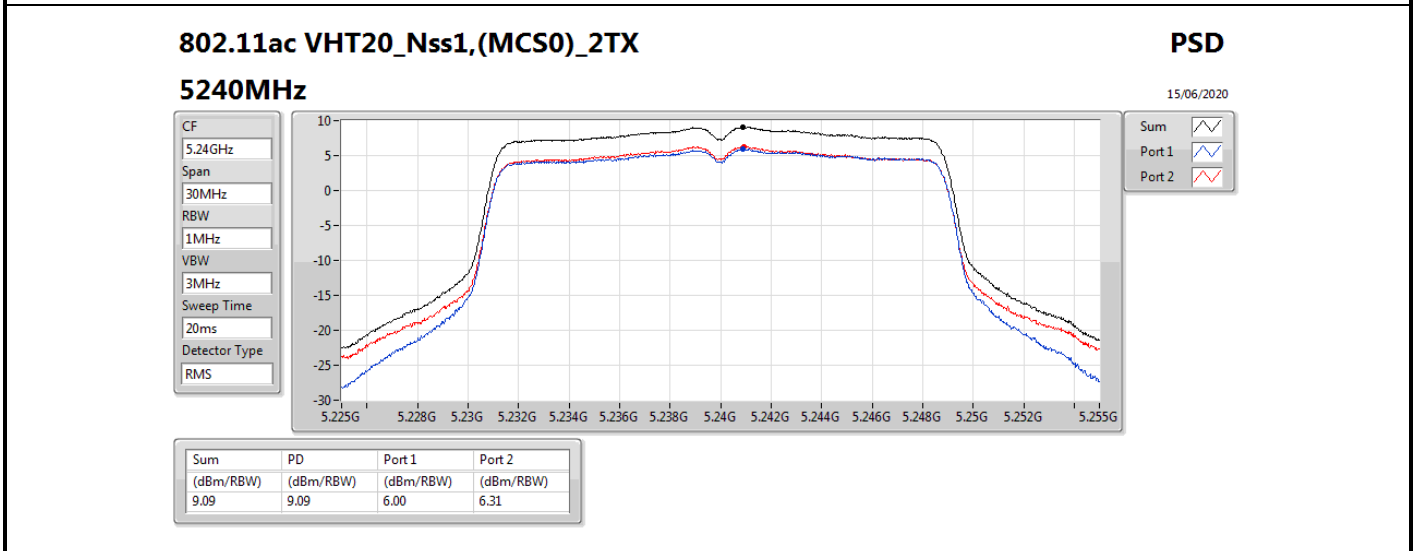
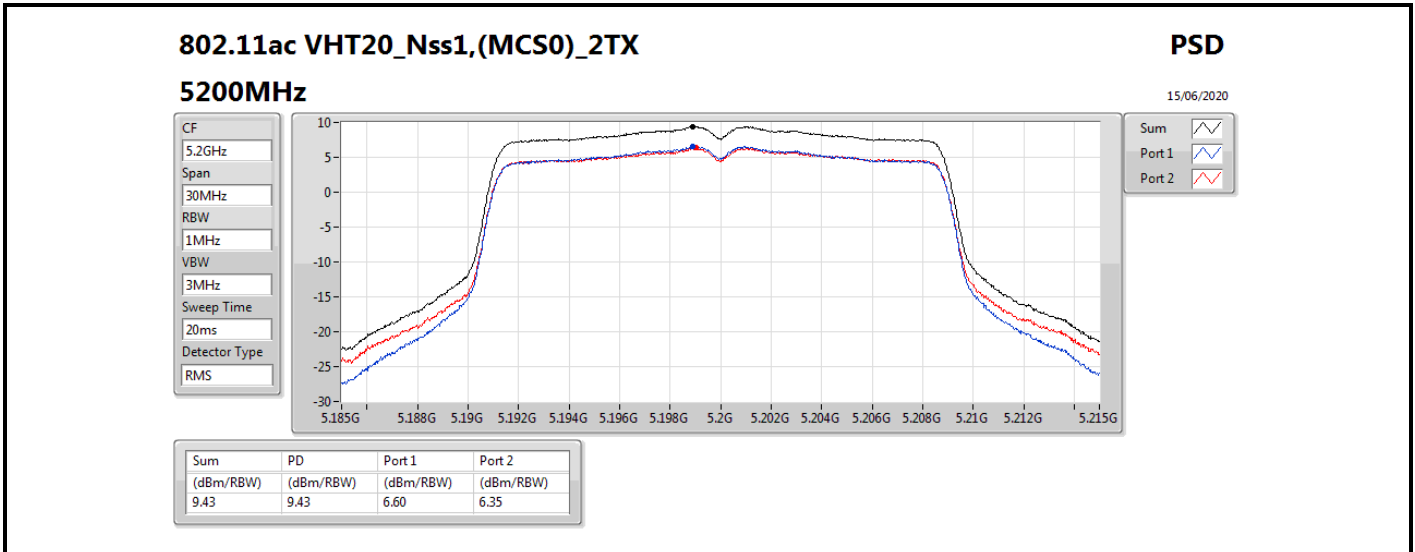


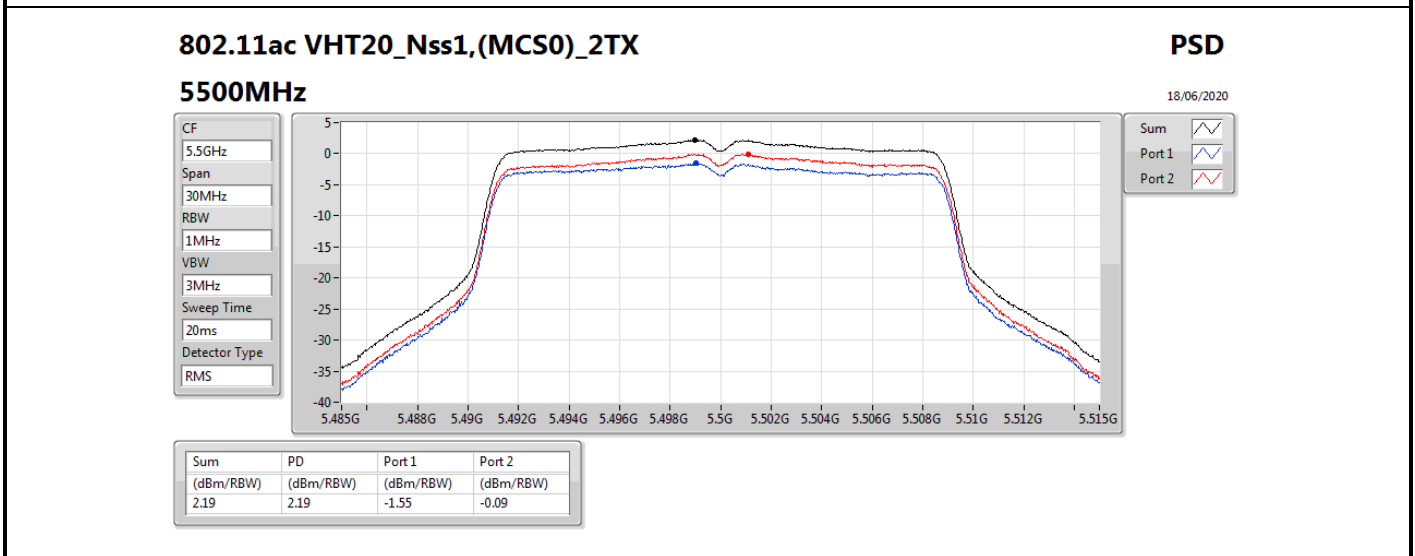
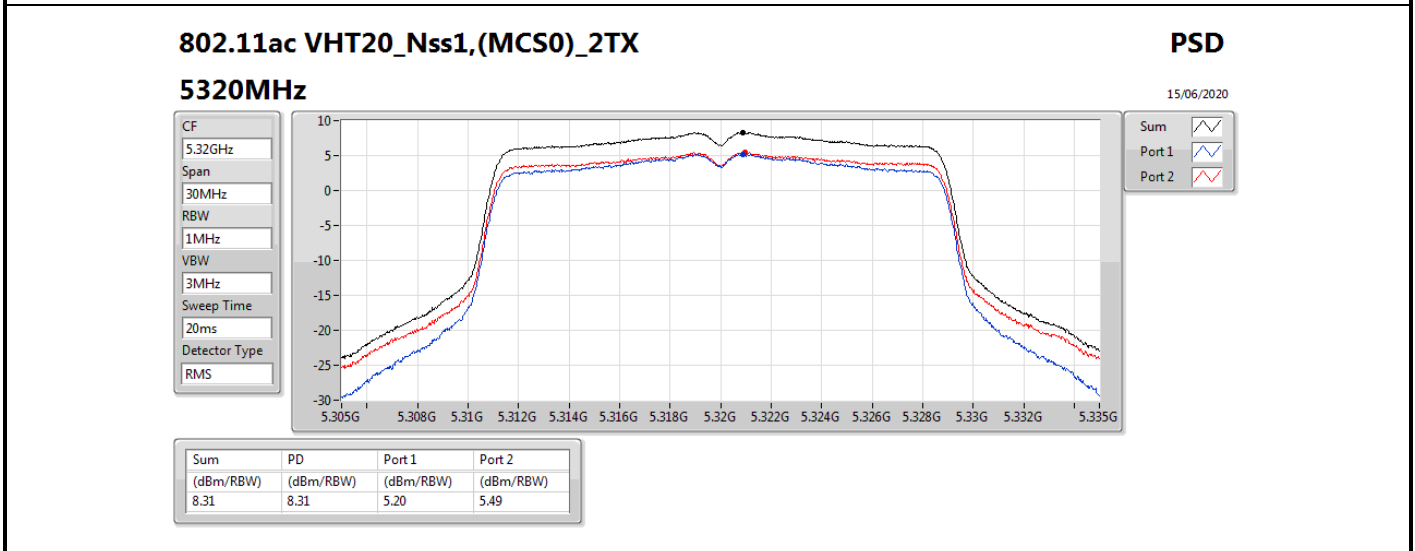
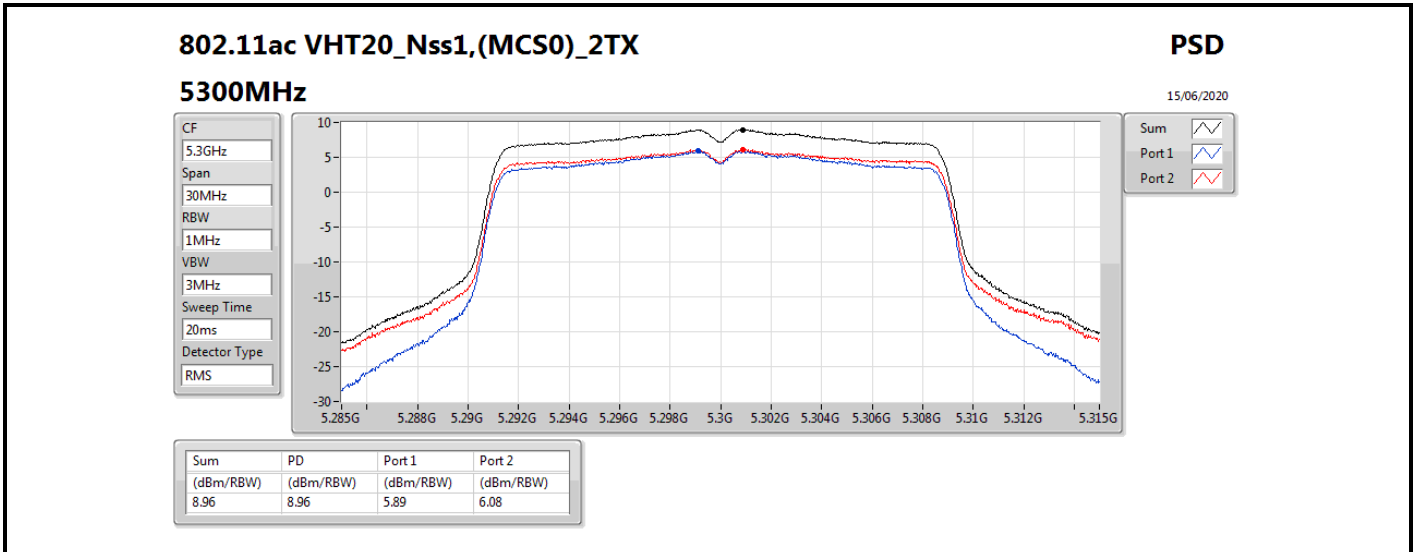


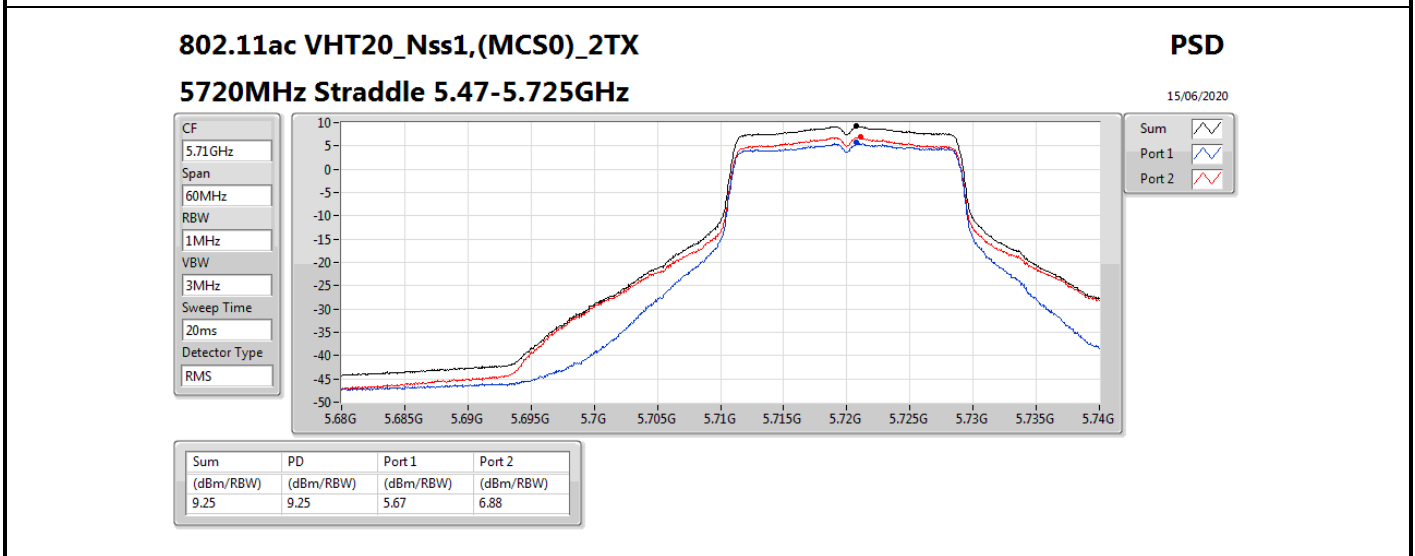
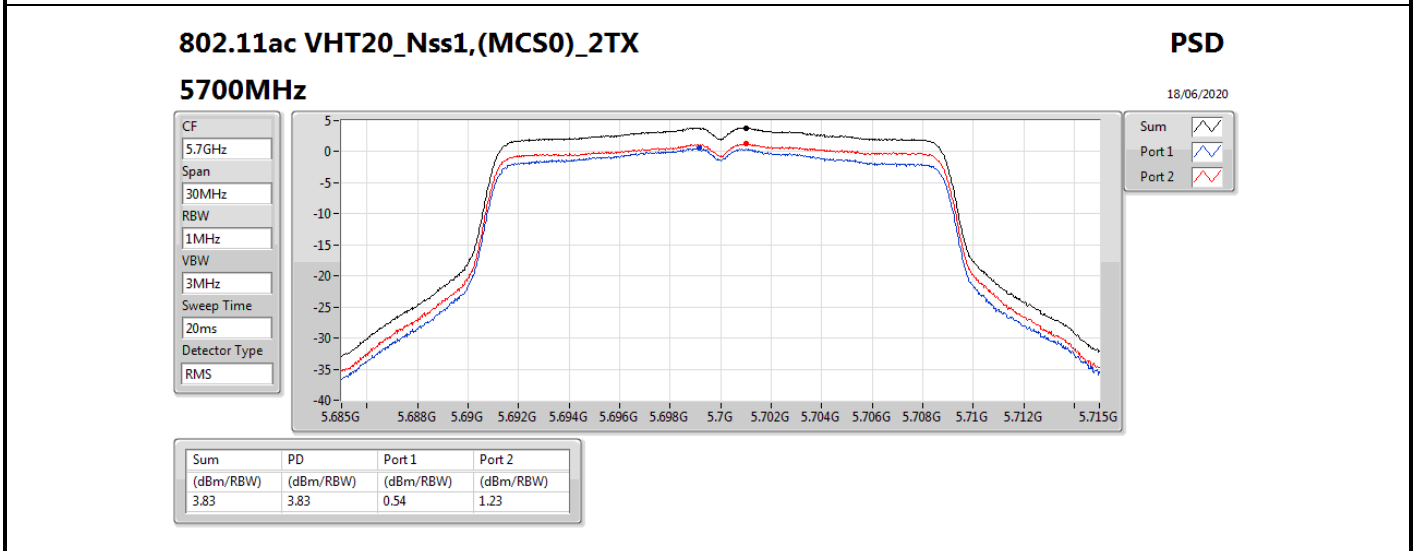
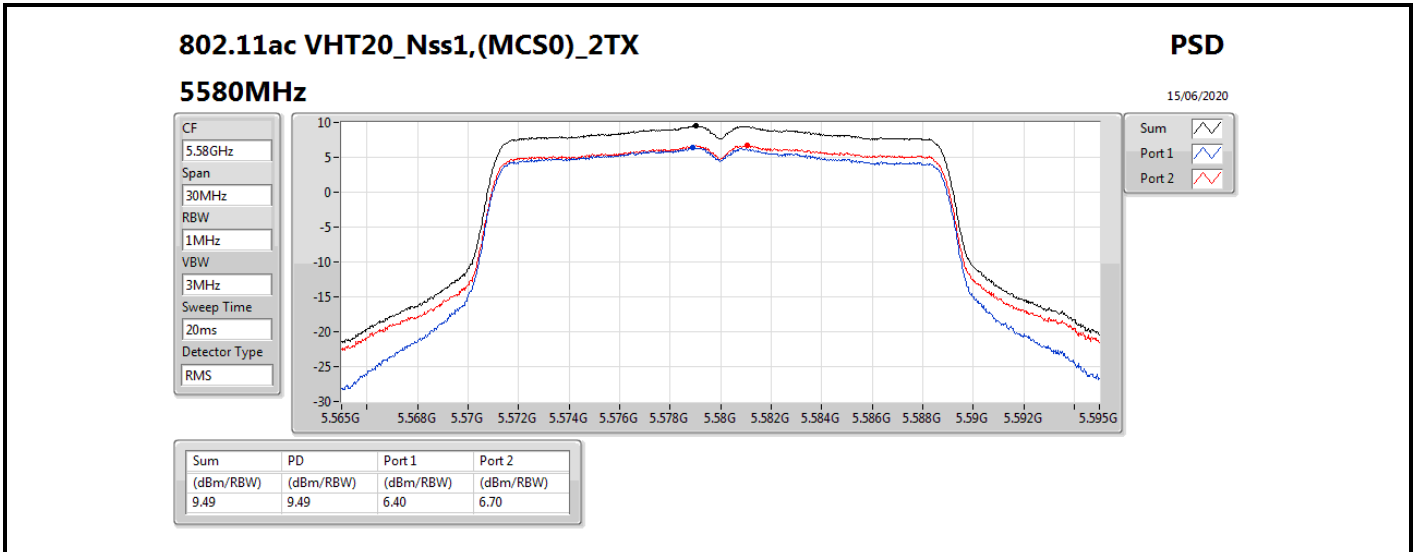




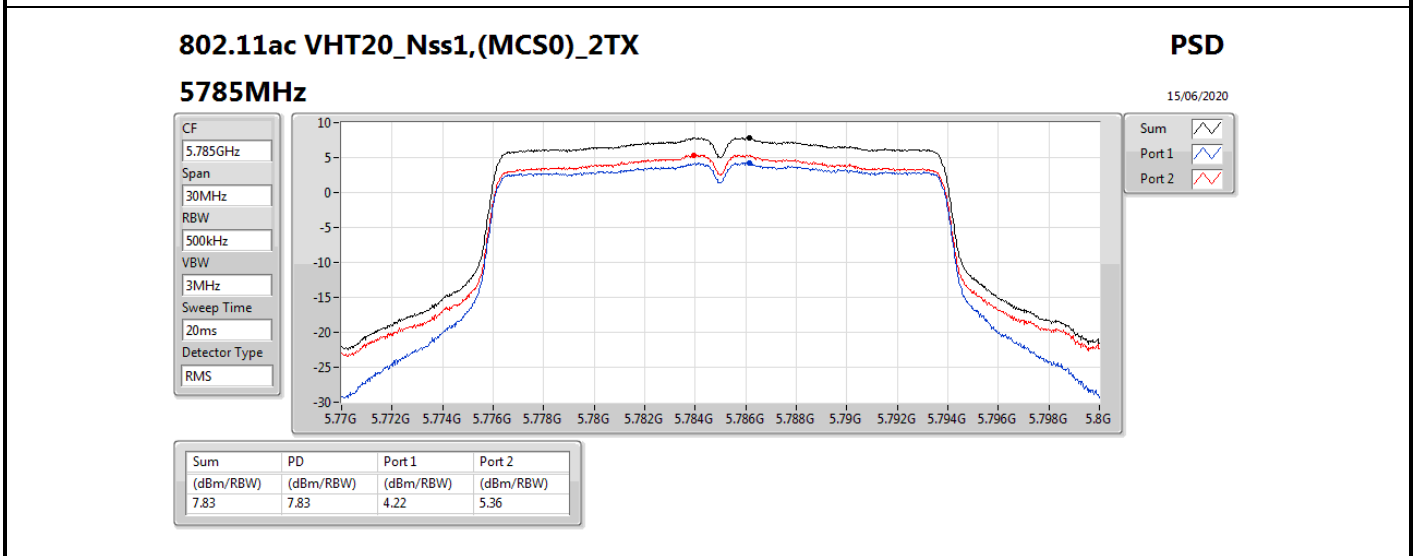
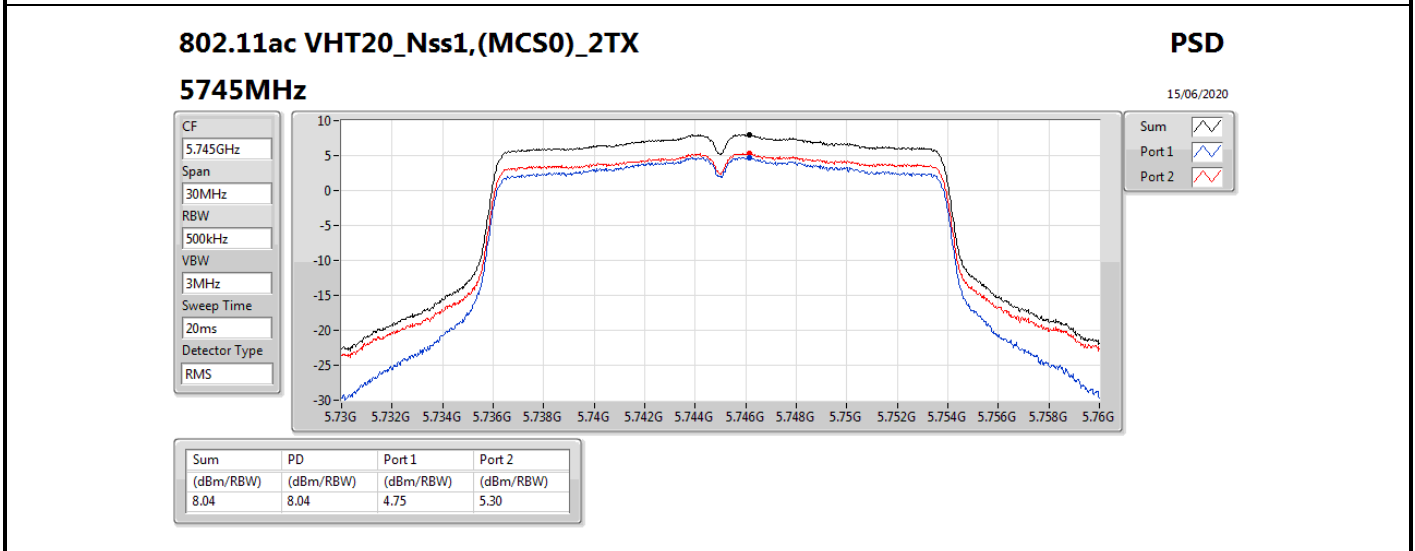
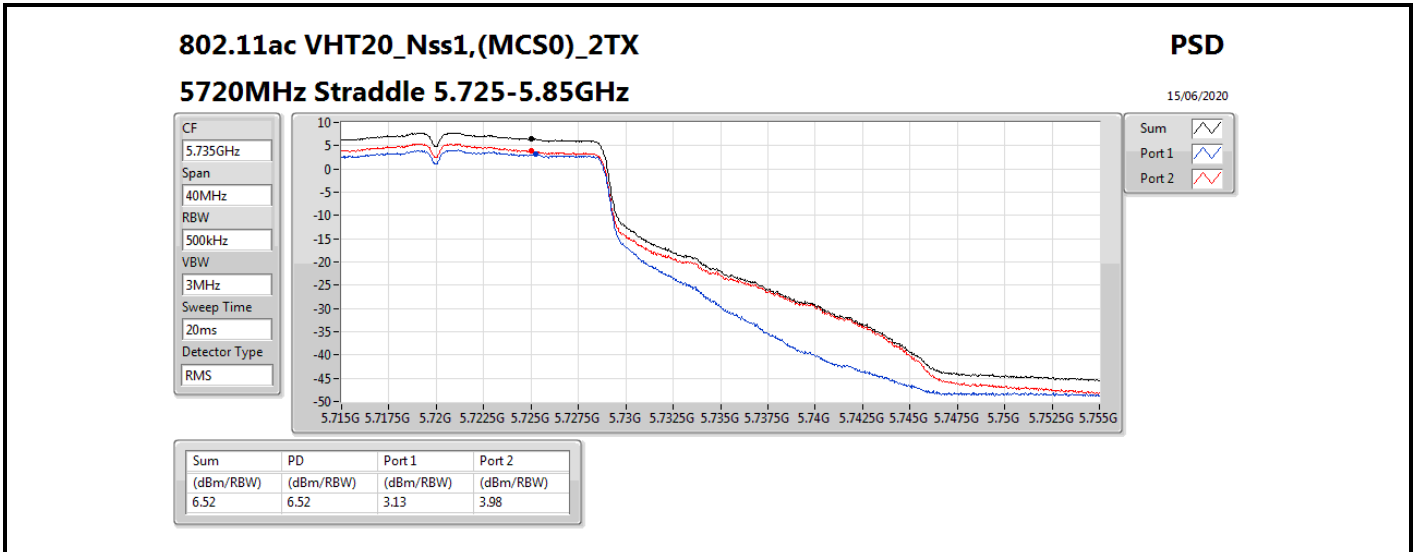


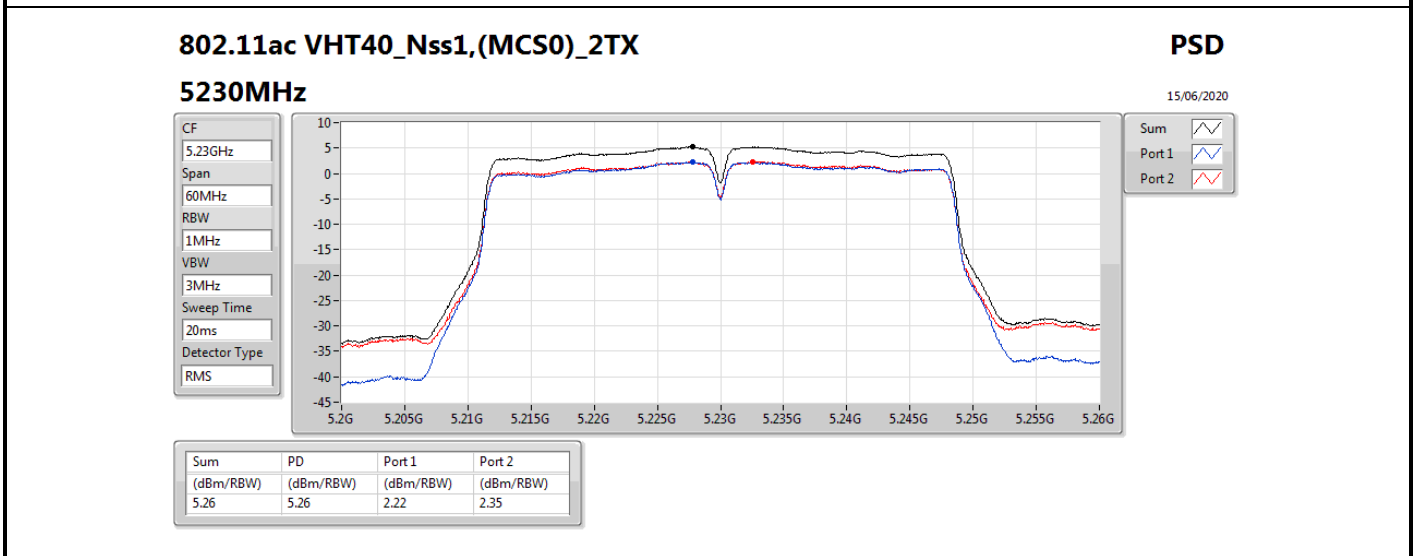
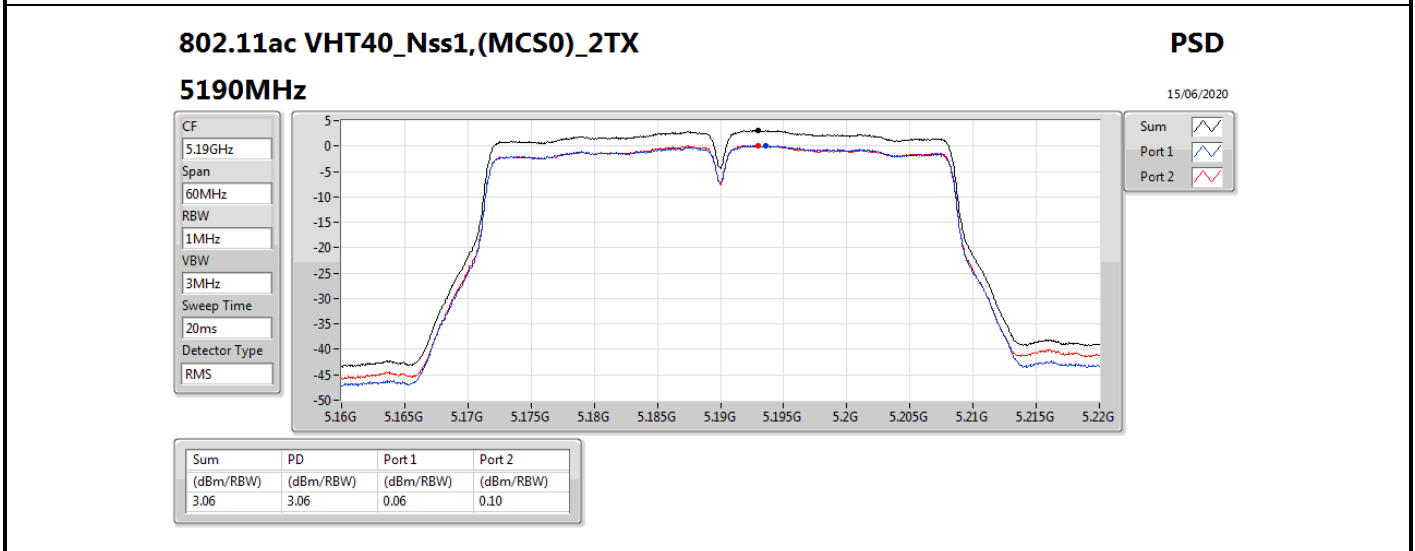
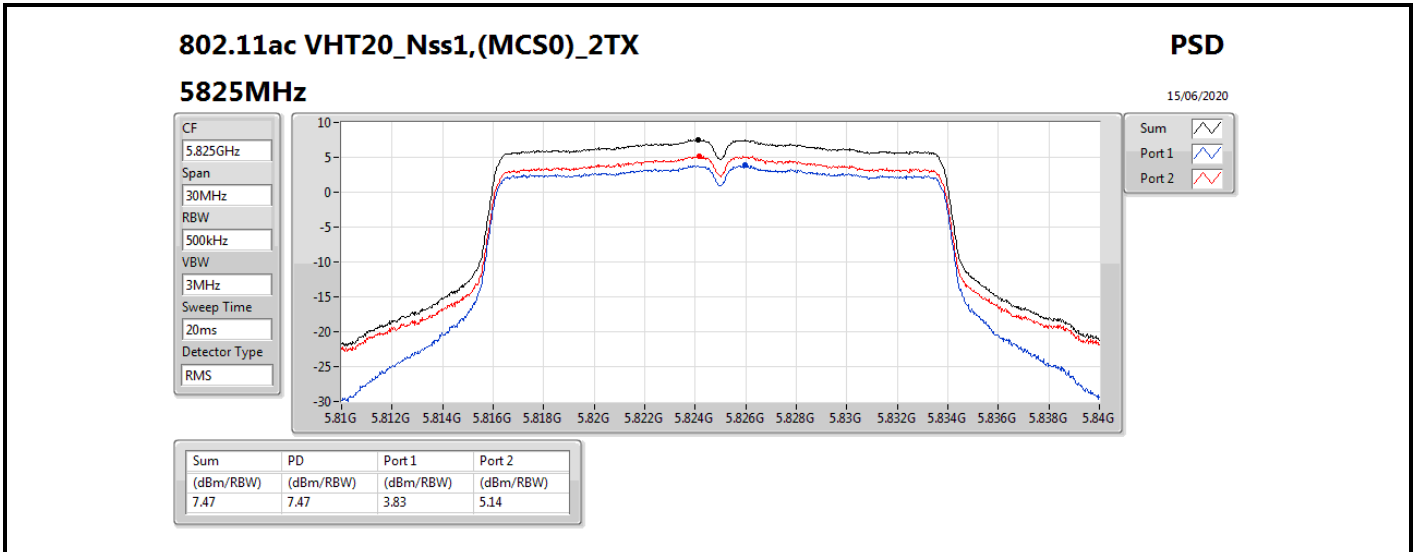












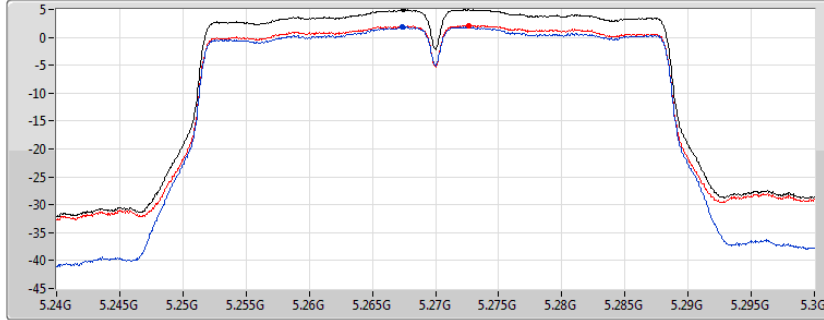
802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

5270MHz

15/06/2020

CF  
5.27GHz  
Span  
60MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.96	4.96	1.86	2.15

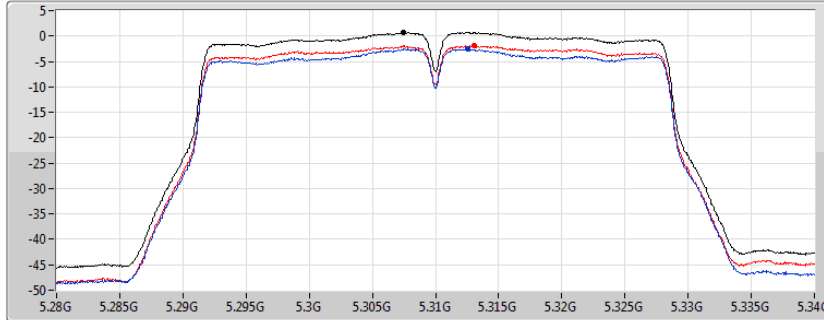
802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

5310MHz

18/06/2020

CF  
5.31GHz  
Span  
60MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.73	0.73	-2.54	-1.94

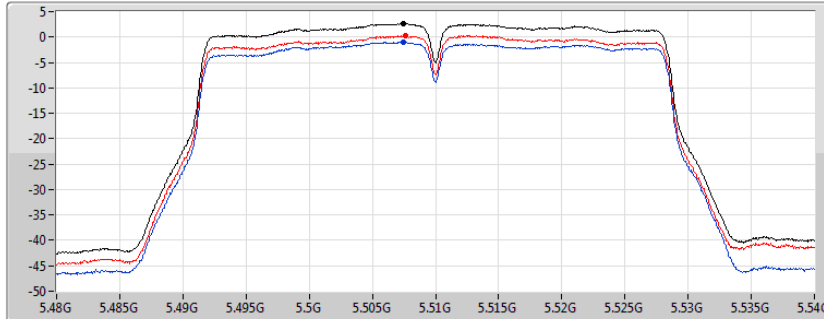
802.11ac VHT40\_Nss1,(MCS0)\_2TX

PSD

5510MHz

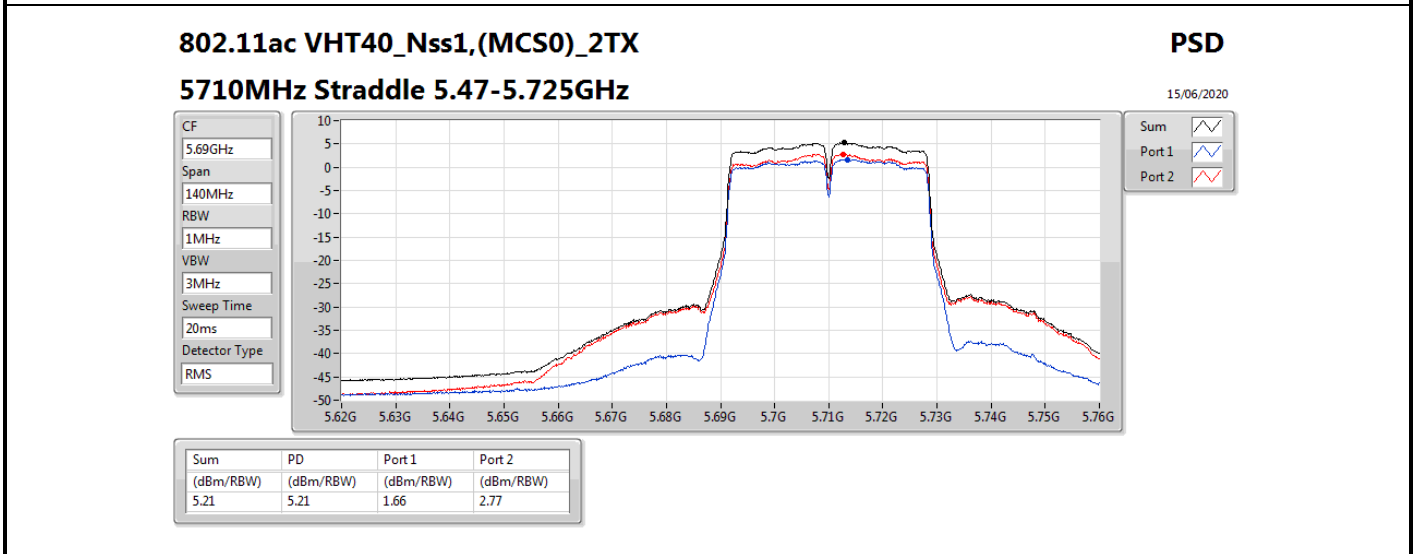
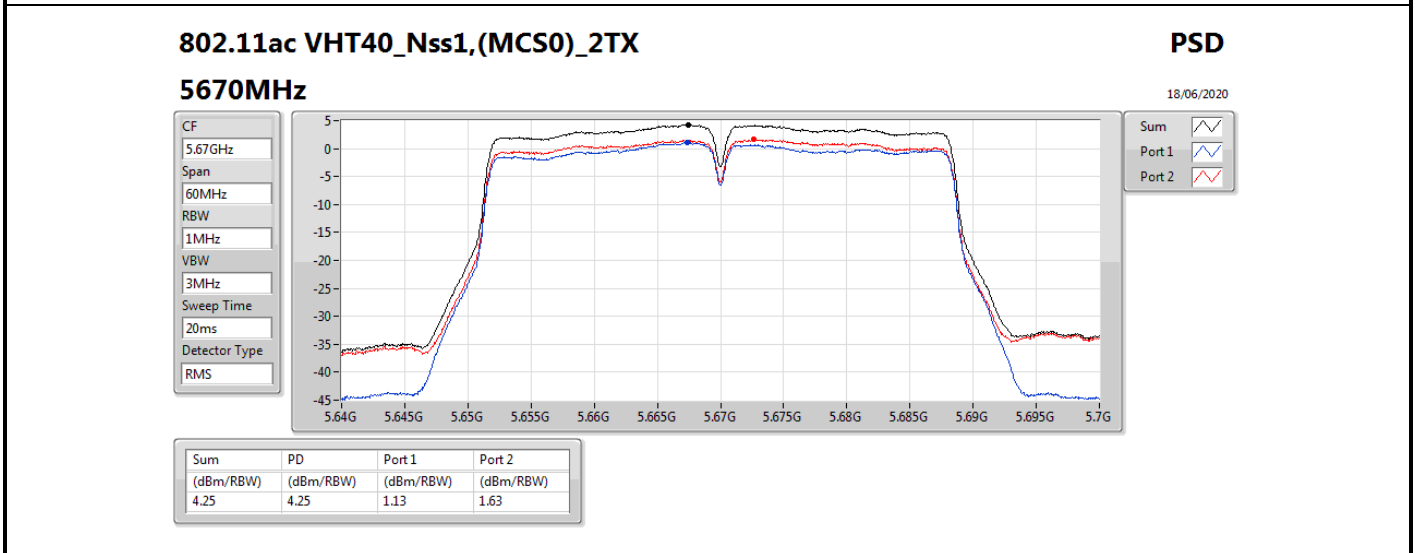
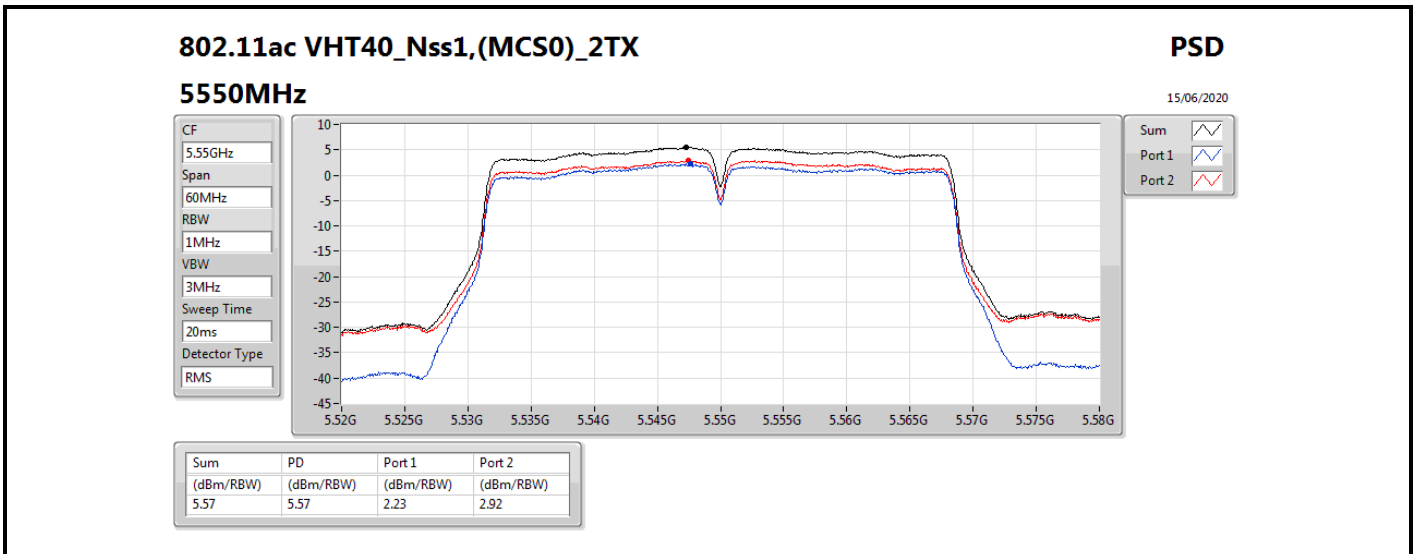
18/06/2020

CF  
5.51GHz  
Span  
60MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

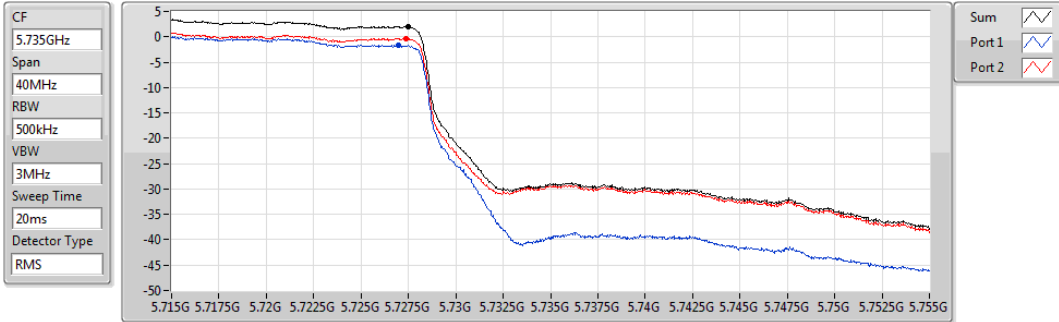
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.74	2.74	-0.93	0.32



**802.11ac VHT40\_Nss1,(MCS0)\_2TX**  
**5710MHz Straddle 5.725-5.85GHz**

PSD

15/06/2020

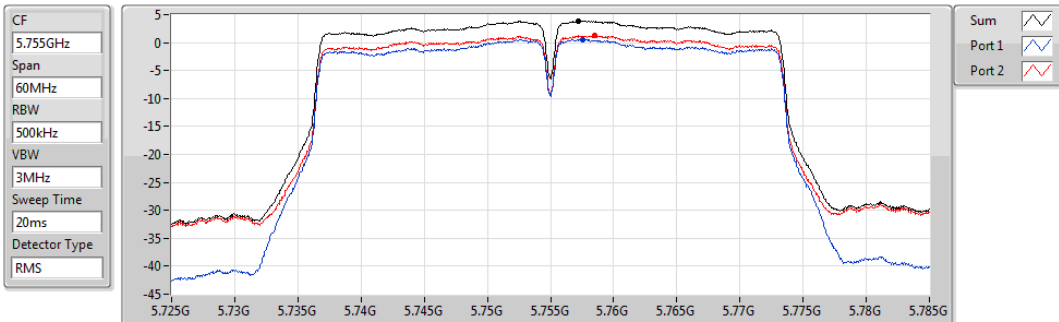


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.03	2.03	-1.70	-0.30

**802.11ac VHT40\_Nss1,(MCS0)\_2TX**  
**5755MHz**

PSD

15/06/2020

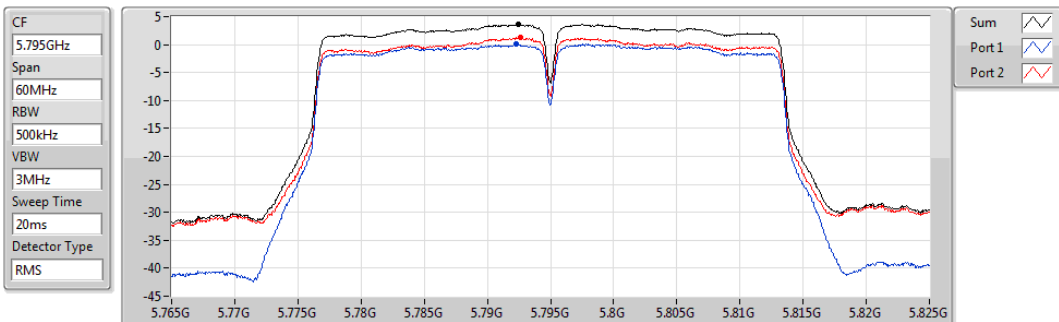


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.88	3.88	0.52	1.22

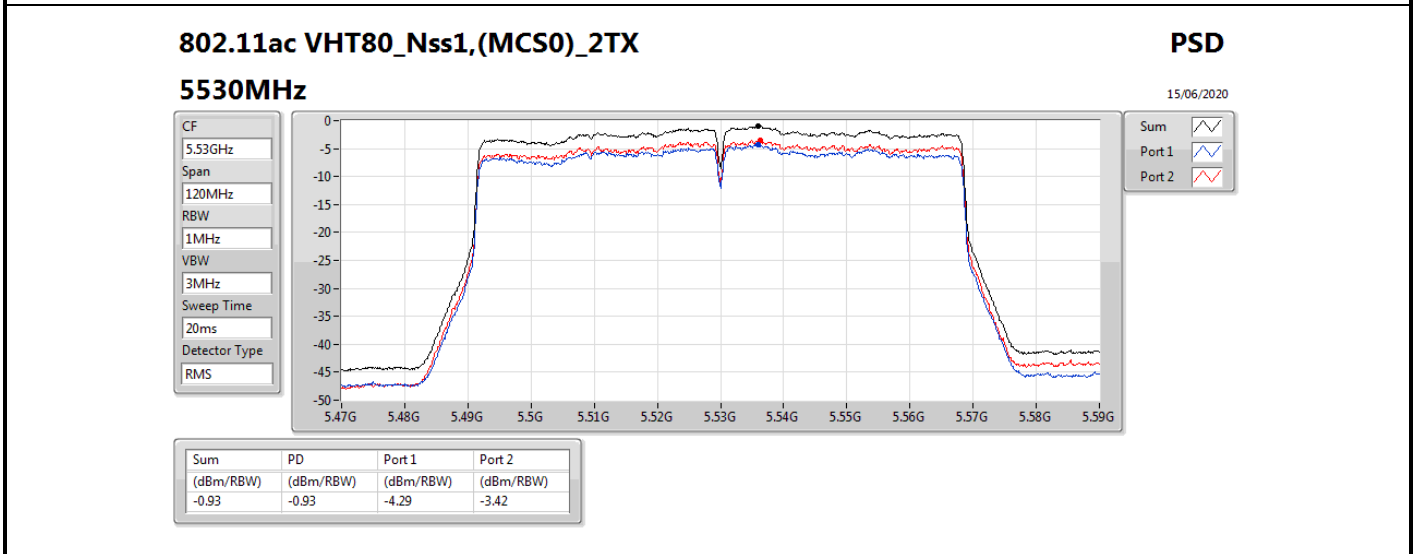
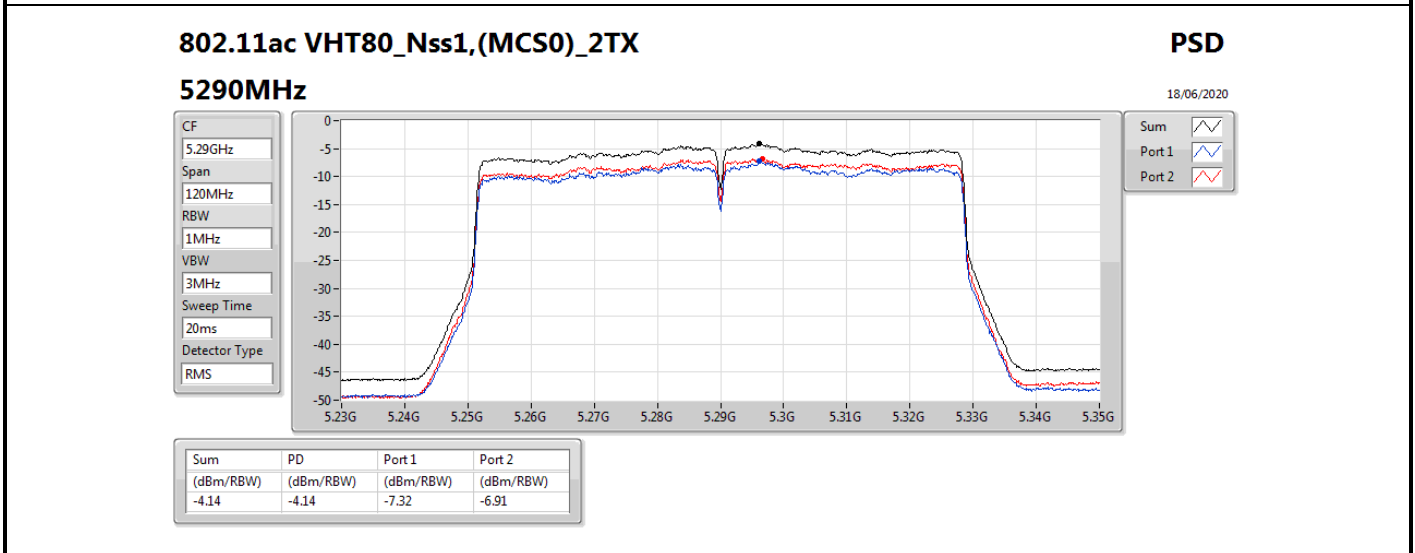
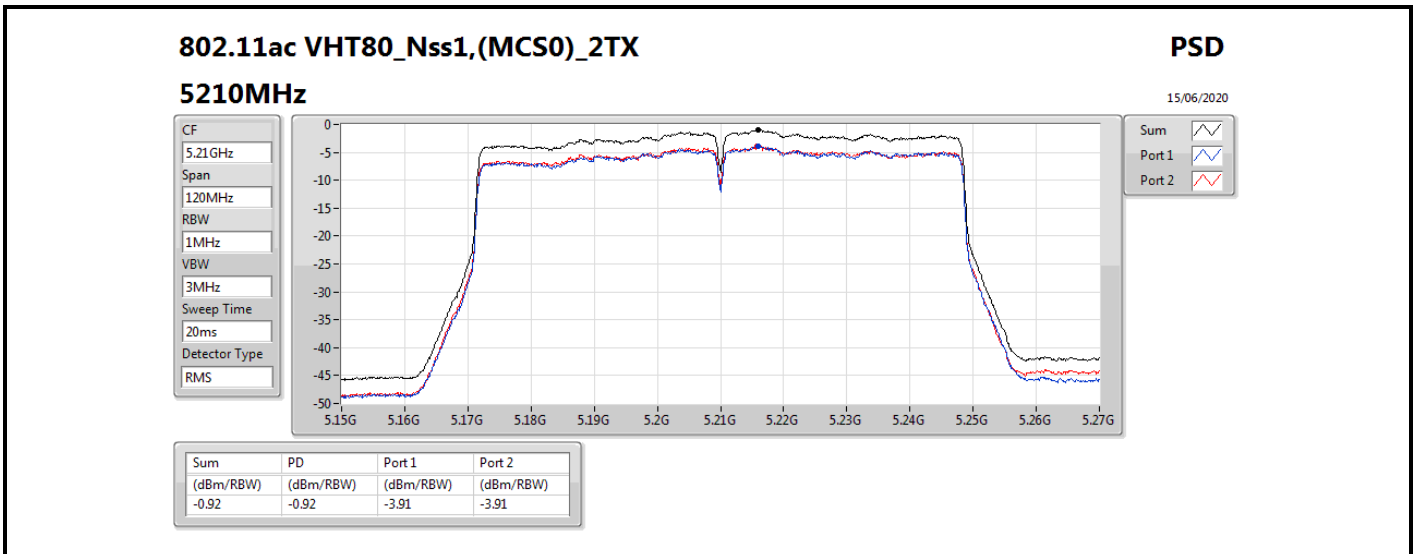
**802.11ac VHT40\_Nss1,(MCS0)\_2TX**  
**5795MHz**

PSD

15/06/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.67	3.67	0.09	1.25



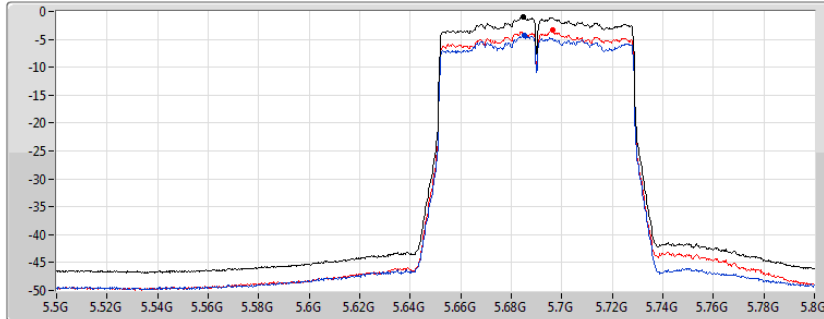
802.11ac VHT80\_Nss1,(MCS0)\_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

15/06/2020

CF  
5.65GHz  
Span  
300MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.06	-1.06	-4.22	-3.40

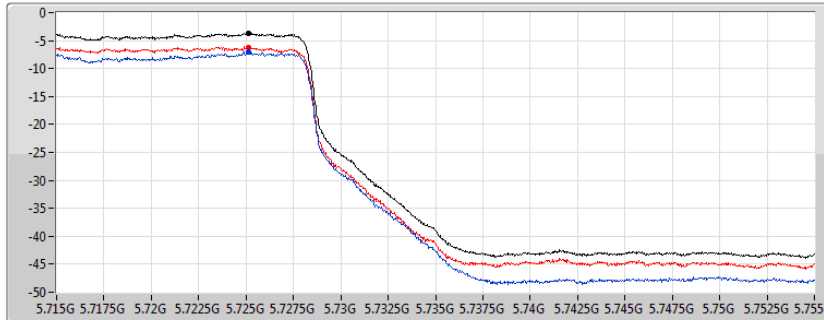
802.11ac VHT80\_Nss1,(MCS0)\_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

15/06/2020

CF  
5.735GHz  
Span  
40MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.62	-3.62	-7.10	-6.21

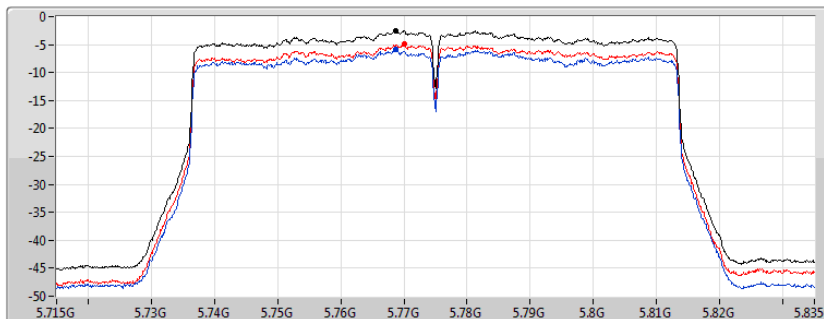
802.11ac VHT80\_Nss1,(MCS0)\_2TX

PSD

5775MHz

15/06/2020

CF  
5.775GHz  
Span  
120MHz  
RBW  
500kHz  
VBW  
3MHz  
Sweep Time  
20ms  
Detector Type  
RMS



Sum  
Port 1  
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.54	-2.54	-5.93	-4.98



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	QP	45.52M	36.62	40.00	-3.38	3	Vertical	321	1.00	-

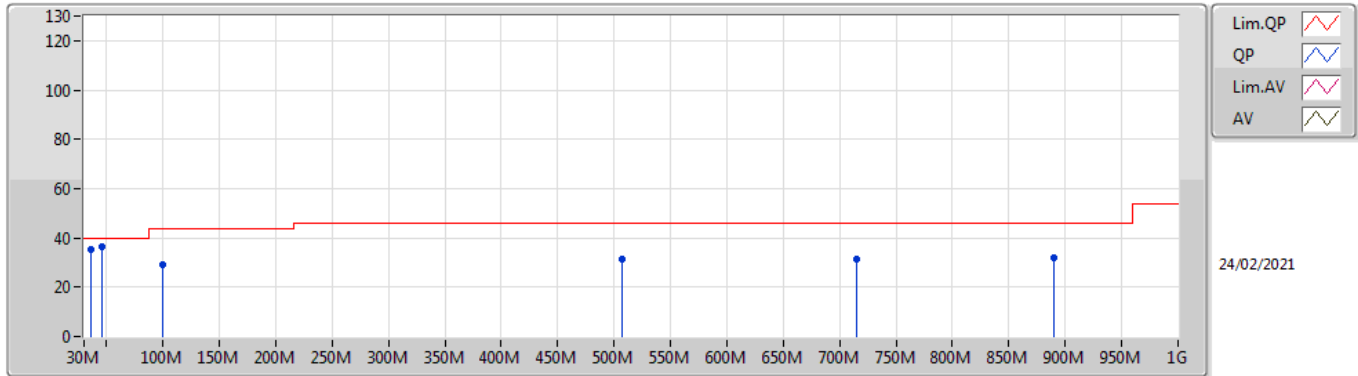




Result

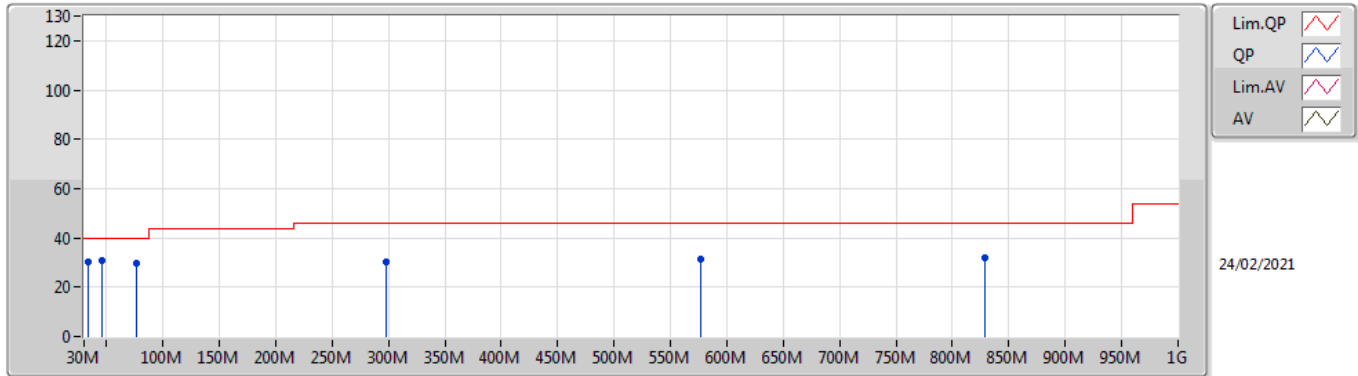
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	35.82M	35.42	40.00	-4.58	3	Vertical	360	1.00	-
5775MHz	Pass	PK	99.84M	29.08	43.50	-14.42	3	Vertical	360	1.00	-
5775MHz	Pass	PK	507.24M	31.23	46.00	-14.77	3	Vertical	360	1.00	-
5775MHz	Pass	PK	714.82M	31.55	46.00	-14.45	3	Vertical	360	1.00	-
5775MHz	Pass	PK	889.42M	31.80	46.00	-14.20	3	Vertical	360	1.00	-
5775MHz	Pass	QP	45.52M	36.62	40.00	-3.38	3	Vertical	321	1.00	-
5775MHz	Pass	PK	33.88M	30.47	40.00	-9.53	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	45.52M	31.04	40.00	-8.96	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	76.56M	29.46	40.00	-10.54	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	297.72M	30.03	46.00	-15.97	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	577.08M	31.54	46.00	-14.46	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	829.28M	31.77	46.00	-14.23	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	37.76M	35.39	40.00	-4.61	3	Vertical	360	1.00	-
5775MHz	Pass	PK	97.9M	31.91	43.50	-11.59	3	Vertical	360	1.00	-
5775MHz	Pass	PK	383.08M	28.98	46.00	-17.02	3	Vertical	360	1.00	-
5775MHz	Pass	PK	456.8M	30.47	46.00	-15.53	3	Vertical	360	1.00	-
5775MHz	Pass	PK	577.08M	36.39	46.00	-9.61	3	Vertical	360	1.00	-
5775MHz	Pass	QP	45.52M	36.11	40.00	-3.89	3	Vertical	339	1.00	-
5775MHz	Pass	PK	47.46M	31.15	40.00	-8.85	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	99.84M	29.16	43.50	-14.34	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	192.96M	28.97	43.50	-14.53	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	336.52M	34.57	46.00	-11.43	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	575.14M	33.49	46.00	-12.51	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	714.82M	37.87	46.00	-8.13	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	53.28M	34.82	40.00	-5.18	3	Vertical	360	1.00	-
5775MHz	Pass	PK	99.84M	24.40	43.50	-19.10	3	Vertical	360	1.00	-
5775MHz	Pass	PK	165.8M	22.32	43.50	-21.18	3	Vertical	360	1.00	-
5775MHz	Pass	PK	371.44M	25.29	46.00	-20.71	3	Vertical	360	1.00	-
5775MHz	Pass	PK	650.8M	29.04	46.00	-16.96	3	Vertical	360	1.00	-
5775MHz	Pass	PK	825.4M	30.96	46.00	-15.04	3	Vertical	360	1.00	-
5775MHz	Pass	PK	53.28M	32.13	40.00	-7.87	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	191.02M	25.33	43.50	-18.17	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	262.8M	25.56	46.00	-20.44	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	575.14M	32.60	46.00	-13.40	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	623.64M	34.61	46.00	-11.39	3	Horizontal	0	1.00	-
5775MHz	Pass	PK	800.18M	30.68	46.00	-15.32	3	Horizontal	0	1.00	-

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_Wired Gun+EXT Battery+Adapter**



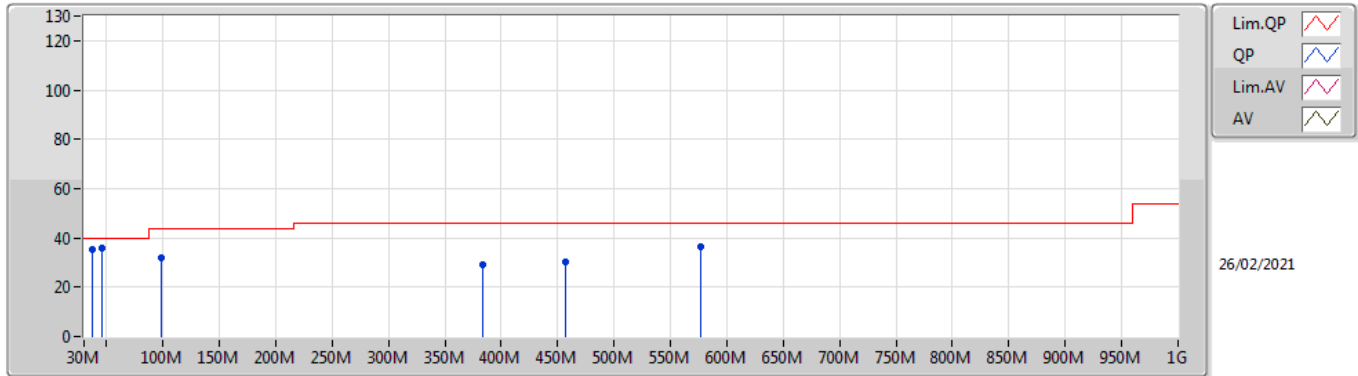
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	35.82M	35.42	40.00	-4.58	-6.51	3	Vertical	360	1.00	-	41.93	20.12	0.92	27.55
PK	99.84M	29.08	43.50	-14.42	-9.59	3	Vertical	360	1.00	-	38.67	16.20	1.60	27.39
PK	507.24M	31.23	46.00	-14.77	-1.19	3	Vertical	360	1.00	-	32.42	22.90	3.73	27.82
PK	714.82M	31.55	46.00	-14.45	1.15	3	Vertical	360	1.00	-	30.40	24.68	4.46	27.99
PK	889.42M	31.80	46.00	-14.20	3.36	3	Vertical	360	1.00	-	28.44	25.81	4.98	27.43
QP	45.52M	36.62	40.00	-3.38	-11.56	3	Vertical	321	1.00	-	48.18	14.96	1.01	27.53

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_Wired Gun+EXT Battery+Adapter**



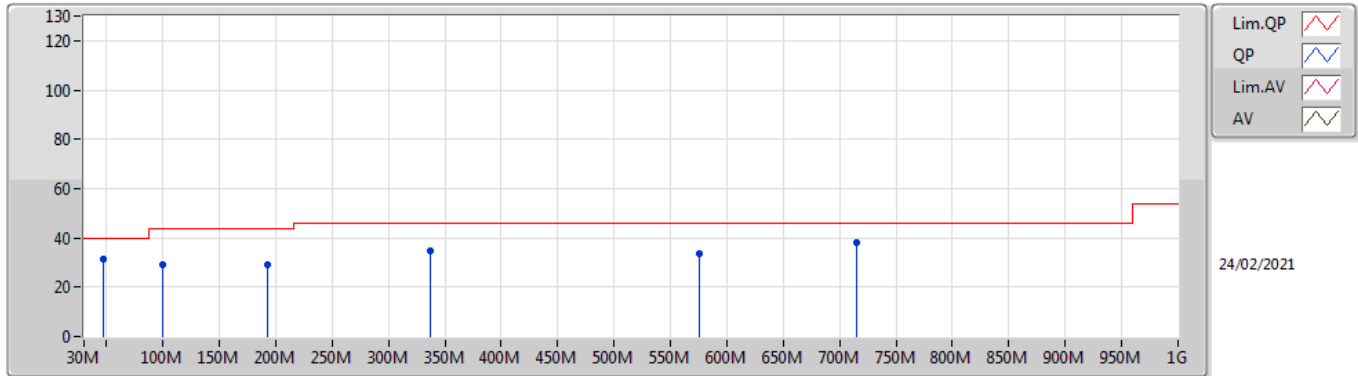
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	33.88M	30.47	40.00	-9.53	-5.33	3	Horizontal	0	1.00	-	35.80	21.33	0.90	27.56
PK	45.52M	31.04	40.00	-8.96	-11.56	3	Horizontal	0	1.00	-	42.60	14.96	1.01	27.53
PK	76.56M	29.46	40.00	-10.54	-14.42	3	Horizontal	0	1.00	-	43.88	11.62	1.40	27.44
PK	297.72M	30.03	46.00	-15.97	-5.43	3	Horizontal	0	1.00	-	35.46	18.33	2.89	26.65
PK	577.08M	31.54	46.00	-14.46	0.02	3	Horizontal	0	1.00	-	31.52	24.02	4.01	28.01
PK	829.28M	31.77	46.00	-14.23	2.70	3	Horizontal	0	1.00	-	29.07	25.61	4.86	27.77

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_WLC Gun+EXT Battery+Adapter**



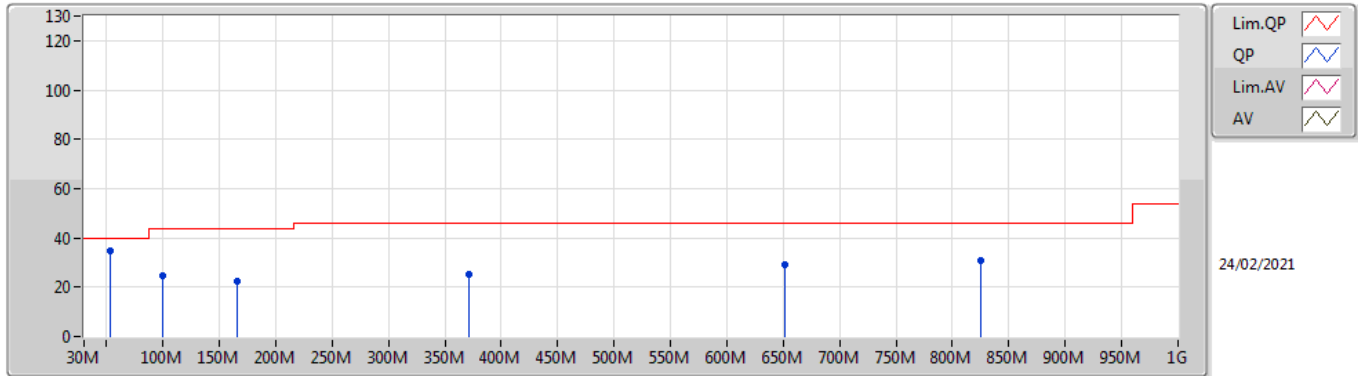
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	37.76M	35.39	40.00	-4.61	-7.40	3	Vertical	360	1.00	-	42.79	19.19	0.96	27.55
PK	97.9M	31.91	43.50	-11.59	-9.85	3	Vertical	360	1.00	-	41.76	15.94	1.60	27.39
PK	383.08M	28.98	46.00	-17.02	-3.62	3	Vertical	360	1.00	-	32.60	20.30	3.23	27.15
PK	456.8M	30.47	46.00	-15.53	-1.96	3	Vertical	360	1.00	-	32.43	22.30	3.44	27.70
PK	577.08M	36.39	46.00	-9.61	0.02	3	Vertical	360	1.00	-	36.37	24.02	4.01	28.01
QP	45.52M	36.11	40.00	-3.89	-11.56	3	Vertical	339	1.00	-	47.67	14.96	1.01	27.53

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_WLC Gun+EXT Battery+Adapter**



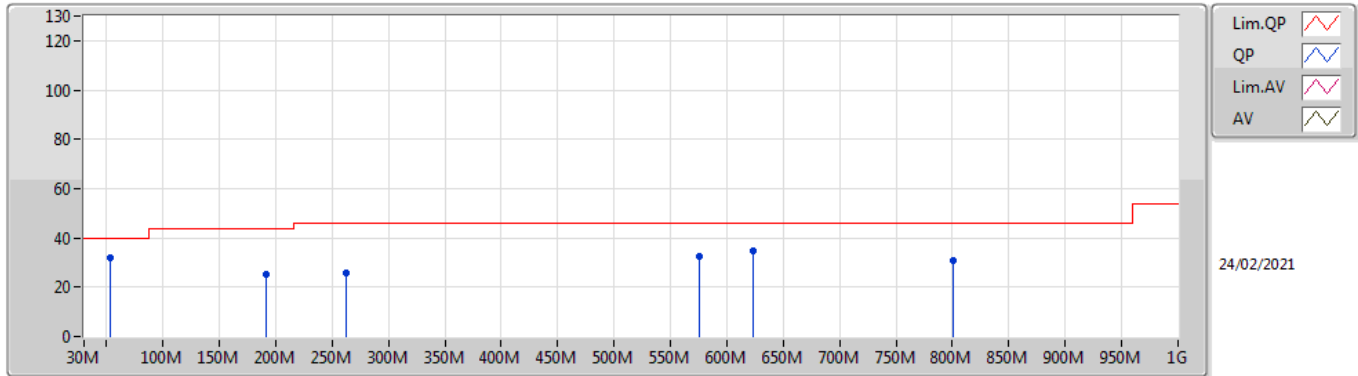
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	47.46M	31.15	40.00	-8.85	-12.38	3	Horizontal	0	1.00	-	43.53	14.09	1.05	27.52
PK	99.84M	29.16	43.50	-14.34	-9.59	3	Horizontal	0	1.00	-	38.75	16.20	1.60	27.39
PK	192.96M	28.97	43.50	-14.53	-10.36	3	Horizontal	0	1.00	-	39.33	14.34	2.26	26.96
PK	336.52M	34.57	46.00	-11.43	-4.69	3	Horizontal	0	1.00	-	39.26	19.12	3.05	26.86
PK	575.14M	33.49	46.00	-12.51	0.09	3	Horizontal	0	1.00	-	33.40	24.10	4.00	28.01
PK	714.82M	37.87	46.00	-8.13	1.15	3	Horizontal	0	1.00	-	36.72	24.68	4.46	27.99

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_WLC Gun+EXT Battery+USB**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	53.28M	34.82	40.00	-5.18	-14.32	3	Vertical	360	1.00	-	49.14	12.01	1.17	27.50
PK	99.84M	24.40	43.50	-19.10	-9.59	3	Vertical	360	1.00	-	33.99	16.20	1.60	27.39
PK	165.8M	22.32	43.50	-21.18	-10.18	3	Vertical	360	1.00	-	32.50	14.86	2.06	27.10
PK	371.44M	25.29	46.00	-20.71	-3.76	3	Vertical	360	1.00	-	29.05	20.12	3.19	27.07
PK	650.8M	29.04	46.00	-16.96	0.47	3	Vertical	360	1.00	-	28.57	24.27	4.30	28.10
PK	825.4M	30.96	46.00	-15.04	2.68	3	Vertical	360	1.00	-	28.28	25.60	4.85	27.77

**802.11ac VHT80\_Nss1,(MCS0)\_2TX**  
**5775MHz\_WLC Gun+EXT Battery+USB**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	53.28M	32.13	40.00	-7.87	-14.32	3	Horizontal	0	1.00	-	46.45	12.01	1.17	27.50
PK	191.02M	25.33	43.50	-18.17	-10.29	3	Horizontal	0	1.00	-	35.62	14.41	2.26	26.96
PK	262.8M	25.56	46.00	-20.44	-5.28	3	Horizontal	0	1.00	-	30.84	18.73	2.68	26.69
PK	575.14M	32.60	46.00	-13.40	0.09	3	Horizontal	0	1.00	-	32.51	24.10	4.00	28.01
PK	623.64M	34.61	46.00	-11.39	0.23	3	Horizontal	0	1.00	-	34.38	24.09	4.19	28.05
PK	800.18M	30.68	46.00	-15.32	2.59	3	Horizontal	0	1.00	-	28.09	25.58	4.80	27.79



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.1496G	49.72	54.00	-4.28	3	Vertical	37	1.03	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.15G	51.69	54.00	-2.31	3	Vertical	39	1.06	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.15G	52.22	54.00	-1.78	3	Vertical	24	1.49	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.143G	50.14	54.00	-3.86	3	Horizontal	163	1.28	-
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	5.3516G	50.69	54.00	-3.31	3	Vertical	280	1.25	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	5.3522G	51.38	54.00	-2.62	3	Vertical	282	1.23	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.3516G	52.47	54.00	-1.53	3	Vertical	181	1.13	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.35G	52.48	54.00	-1.52	3	Vertical	188	1.08	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	5.4604G	65.84	68.20	-2.36	3	Vertical	176	1.06	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.47G	66.66	68.20	-1.54	3	Vertical	184	1.00	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	5.462G	66.63	68.20	-1.57	3	Vertical	186	1.00	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	5.463G	65.23	68.20	-2.97	3	Vertical	185	1.07	-
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	6.043G	60.98	68.20	-7.22	3	Horizontal	95	1.01	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	6.1226G	64.02	68.20	-4.18	3	Vertical	176	1.01	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	6.0338G	61.57	68.20	-6.63	3	Vertical	199	1.15	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	PK	6.0678G	61.24	68.20	-6.96	3	Vertical	190	1.06	-





Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1496G	49.72	54.00	-4.28	3	Vertical	37	1.03	-
5180MHz	Pass	AV	5.179G	103.00	Inf	-Inf	3	Vertical	37	1.03	-
5180MHz	Pass	PK	5.1378G	65.97	74.00	-8.03	3	Vertical	37	1.03	-
5180MHz	Pass	PK	5.1792G	113.33	Inf	-Inf	3	Vertical	37	1.03	-
5180MHz	Pass	AV	5.15G	48.44	54.00	-5.56	3	Horizontal	174	1.00	-
5180MHz	Pass	AV	5.179G	99.60	Inf	-Inf	3	Horizontal	174	1.00	-
5180MHz	Pass	PK	5.1376G	62.36	74.00	-11.64	3	Horizontal	174	1.00	-
5180MHz	Pass	PK	5.1792G	109.94	Inf	-Inf	3	Horizontal	174	1.00	-
5180MHz	Pass	PK	10.36558G	54.12	68.20	-14.08	3	Vertical	0	1.65	-
5180MHz	Pass	PK	10.37068G	55.14	68.20	-13.06	3	Horizontal	267	1.48	-
5200MHz	Pass	AV	5.15G	47.67	54.00	-6.33	3	Vertical	37	1.00	-
5200MHz	Pass	AV	5.2016G	103.00	Inf	-Inf	3	Vertical	37	1.00	-
5200MHz	Pass	PK	5.1488G	61.05	74.00	-12.95	3	Vertical	37	1.00	-
5200MHz	Pass	PK	5.2024G	113.58	Inf	-Inf	3	Vertical	37	1.00	-
5200MHz	Pass	AV	5.1484G	47.67	54.00	-6.33	3	Horizontal	62	1.00	-
5200MHz	Pass	AV	5.2004G	102.29	Inf	-Inf	3	Horizontal	62	1.00	-
5200MHz	Pass	PK	5.146G	63.35	74.00	-10.65	3	Horizontal	62	1.00	-
5200MHz	Pass	PK	5.2004G	112.33	Inf	-Inf	3	Horizontal	62	1.00	-
5200MHz	Pass	PK	10.39502G	55.43	68.20	-12.77	3	Vertical	358	2.18	-
5200MHz	Pass	PK	10.39676G	54.43	68.20	-13.77	3	Horizontal	188	1.60	-
5240MHz	Pass	AV	5.1476G	46.81	54.00	-7.19	3	Vertical	36	1.00	-
5240MHz	Pass	AV	5.2424G	101.78	Inf	-Inf	3	Vertical	36	1.00	-
5240MHz	Pass	AV	5.35G	46.94	54.00	-7.06	3	Vertical	36	1.00	-
5240MHz	Pass	PK	5.1254G	59.48	74.00	-14.52	3	Vertical	36	1.00	-
5240MHz	Pass	PK	5.237G	112.13	Inf	-Inf	3	Vertical	36	1.00	-
5240MHz	Pass	PK	5.3672G	59.32	74.00	-14.68	3	Vertical	36	1.00	-
5240MHz	Pass	AV	5.1494G	46.83	54.00	-7.17	3	Horizontal	60	1.00	-
5240MHz	Pass	AV	5.2406G	101.03	Inf	-Inf	3	Horizontal	60	1.00	-
5240MHz	Pass	AV	5.3546G	46.98	54.00	-7.02	3	Horizontal	60	1.00	-
5240MHz	Pass	PK	5.1176G	59.29	74.00	-14.71	3	Horizontal	60	1.00	-
5240MHz	Pass	PK	5.2406G	110.92	Inf	-Inf	3	Horizontal	60	1.00	-
5240MHz	Pass	PK	5.3702G	59.40	74.00	-14.60	3	Horizontal	60	1.00	-
5240MHz	Pass	PK	10.4812G	54.75	68.20	-13.45	3	Vertical	16	2.10	-
5240MHz	Pass	PK	10.47484G	54.76	68.20	-13.44	3	Horizontal	308	1.77	-
5260MHz	Pass	AV	5.14G	46.75	54.00	-7.25	3	Vertical	280	1.21	-
5260MHz	Pass	AV	5.2624G	102.17	Inf	-Inf	3	Vertical	280	1.21	-
5260MHz	Pass	AV	5.35G	47.26	54.00	-6.74	3	Vertical	280	1.21	-
5260MHz	Pass	PK	5.1286G	59.17	74.00	-14.83	3	Vertical	280	1.21	-
5260MHz	Pass	PK	5.2576G	112.92	Inf	-Inf	3	Vertical	280	1.21	-
5260MHz	Pass	PK	5.3908G	59.64	74.00	-14.36	3	Vertical	280	1.21	-
5260MHz	Pass	AV	5.1496G	46.71	54.00	-7.29	3	Horizontal	64	1.00	-
5260MHz	Pass	AV	5.2606G	101.27	Inf	-Inf	3	Horizontal	64	1.00	-
5260MHz	Pass	AV	5.3596G	47.05	54.00	-6.95	3	Horizontal	64	1.00	-
5260MHz	Pass	PK	5.1112G	59.17	74.00	-14.83	3	Horizontal	64	1.00	-
5260MHz	Pass	PK	5.2612G	111.43	Inf	-Inf	3	Horizontal	64	1.00	-
5260MHz	Pass	PK	5.3602G	59.22	74.00	-14.78	3	Horizontal	64	1.00	-
5260MHz	Pass	PK	10.5239G	54.62	68.20	-13.58	3	Vertical	203	2.24	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	10.53116G	55.27	68.20	-12.93	3	Horizontal	239	2.32	-
5300MHz	Pass	AV	5.3008G	101.70	Inf	-Inf	3	Vertical	241	1.09	-
5300MHz	Pass	AV	5.35G	48.01	54.00	-5.99	3	Vertical	241	1.09	-
5300MHz	Pass	PK	5.3008G	112.39	Inf	-Inf	3	Vertical	241	1.09	-
5300MHz	Pass	PK	5.35G	62.89	74.00	-11.11	3	Vertical	241	1.09	-
5300MHz	Pass	AV	5.3008G	100.92	Inf	-Inf	3	Horizontal	117	1.00	-
5300MHz	Pass	AV	5.3512G	47.97	54.00	-6.03	3	Horizontal	117	1.00	-
5300MHz	Pass	PK	5.3008G	110.81	Inf	-Inf	3	Horizontal	117	1.00	-
5300MHz	Pass	PK	5.352G	64.06	74.00	-9.94	3	Horizontal	117	1.00	-
5300MHz	Pass	AV	10.61374G	41.08	54.00	-12.92	3	Vertical	137	1.18	-
5300MHz	Pass	PK	10.58728G	54.83	68.20	-13.37	3	Vertical	137	1.18	-
5300MHz	Pass	AV	10.61314G	41.12	54.00	-12.88	3	Horizontal	11	2.00	-
5300MHz	Pass	PK	10.60858G	54.63	74.00	-19.37	3	Horizontal	11	2.00	-
5320MHz	Pass	AV	5.3176G	101.37	Inf	-Inf	3	Vertical	280	1.25	-
5320MHz	Pass	AV	5.3516G	50.69	54.00	-3.31	3	Vertical	280	1.25	-
5320MHz	Pass	PK	5.3182G	112.49	Inf	-Inf	3	Vertical	280	1.25	-
5320MHz	Pass	PK	5.3504G	64.93	74.00	-9.07	3	Vertical	280	1.25	-
5320MHz	Pass	AV	5.3186G	98.28	Inf	-Inf	3	Horizontal	112	2.21	-
5320MHz	Pass	AV	5.35G	48.32	54.00	-5.68	3	Horizontal	112	2.21	-
5320MHz	Pass	PK	5.3182G	108.95	Inf	-Inf	3	Horizontal	112	2.21	-
5320MHz	Pass	PK	5.3504G	65.10	74.00	-8.90	3	Horizontal	112	2.21	-
5320MHz	Pass	AV	10.65392G	41.36	54.00	-12.64	3	Vertical	255	2.45	-
5320MHz	Pass	PK	10.62758G	57.30	74.00	-16.70	3	Vertical	255	2.45	-
5320MHz	Pass	AV	10.64876G	41.31	54.00	-12.69	3	Horizontal	302	1.47	-
5320MHz	Pass	PK	10.64684G	55.21	74.00	-18.79	3	Horizontal	302	1.47	-
5500MHz	Pass	AV	5.459G	48.13	54.00	-5.87	3	Vertical	176	1.06	-
5500MHz	Pass	AV	5.4988G	104.45	Inf	-Inf	3	Vertical	176	1.06	-
5500MHz	Pass	PK	5.4604G	65.84	68.20	-2.36	3	Vertical	176	1.06	-
5500MHz	Pass	PK	5.4984G	115.03	Inf	-Inf	3	Vertical	176	1.06	-
5500MHz	Pass	AV	5.4568G	46.70	54.00	-7.30	3	Horizontal	127	2.34	-
5500MHz	Pass	AV	5.501G	97.13	Inf	-Inf	3	Horizontal	127	2.34	-
5500MHz	Pass	PK	5.4614G	63.83	68.20	-4.37	3	Horizontal	127	2.34	-
5500MHz	Pass	PK	5.5014G	107.31	Inf	-Inf	3	Horizontal	127	2.34	-
5500MHz	Pass	AV	10.997G	41.87	54.00	-12.13	3	Vertical	149	2.44	-
5500MHz	Pass	PK	11.0009G	55.33	74.00	-18.67	3	Vertical	149	2.44	-
5500MHz	Pass	AV	11.0024G	41.83	54.00	-12.17	3	Horizontal	19	1.93	-
5500MHz	Pass	PK	10.99118G	55.28	74.00	-18.72	3	Horizontal	19	1.93	-
5580MHz	Pass	AV	5.4318G	46.58	54.00	-7.42	3	Vertical	192	1.00	-
5580MHz	Pass	AV	5.5794G	102.34	Inf	-Inf	3	Vertical	192	1.00	-
5580MHz	Pass	PK	5.469G	58.40	68.20	-9.80	3	Vertical	192	1.00	-
5580MHz	Pass	PK	5.5794G	112.59	Inf	-Inf	3	Vertical	192	1.00	-
5580MHz	Pass	PK	5.7282G	58.89	68.20	-9.31	3	Vertical	192	1.00	-
5580MHz	Pass	AV	5.4444G	46.43	54.00	-7.57	3	Horizontal	93	1.00	-
5580MHz	Pass	AV	5.5812G	101.19	Inf	-Inf	3	Horizontal	93	1.00	-
5580MHz	Pass	PK	5.469G	58.60	68.20	-9.60	3	Horizontal	93	1.00	-
5580MHz	Pass	PK	5.577G	111.47	Inf	-Inf	3	Horizontal	93	1.00	-
5580MHz	Pass	PK	5.727G	58.22	68.20	-9.98	3	Horizontal	93	1.00	-
5580MHz	Pass	AV	11.1744G	42.05	54.00	-11.95	3	Vertical	125	2.31	-
5580MHz	Pass	PK	11.17488G	55.71	74.00	-18.29	3	Vertical	125	2.31	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	AV	11.17152G	41.98	54.00	-12.02	3	Horizontal	227	1.35	-
5580MHz	Pass	PK	11.16456G	55.74	74.00	-18.26	3	Horizontal	227	1.35	-
5700MHz	Pass	AV	5.7008G	102.46	Inf	-Inf	3	Vertical	179	1.10	-
5700MHz	Pass	PK	5.7012G	112.78	Inf	-Inf	3	Vertical	179	1.10	-
5700MHz	Pass	PK	5.7296G	65.46	68.20	-2.74	3	Vertical	179	1.10	-
5700MHz	Pass	AV	5.7016G	100.76	Inf	-Inf	3	Horizontal	94	1.00	-
5700MHz	Pass	PK	5.6968G	111.32	Inf	-Inf	3	Horizontal	94	1.00	-
5700MHz	Pass	PK	5.7292G	63.19	68.20	-5.01	3	Horizontal	94	1.00	-
5700MHz	Pass	AV	11.40234G	42.53	54.00	-11.47	3	Vertical	171	2.01	-
5700MHz	Pass	PK	11.39658G	56.47	74.00	-17.53	3	Vertical	171	2.01	-
5700MHz	Pass	AV	11.39964G	42.49	54.00	-11.51	3	Horizontal	297	1.09	-
5700MHz	Pass	PK	11.4003G	56.49	74.00	-17.51	3	Horizontal	297	1.09	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.719G	103.65	Inf	-Inf	3	Vertical	178	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.718G	113.63	Inf	-Inf	3	Vertical	178	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.874G	61.16	68.20	-7.04	3	Vertical	178	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.719G	101.70	Inf	-Inf	3	Horizontal	95	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.719G	111.77	Inf	-Inf	3	Horizontal	95	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.866G	59.99	68.20	-8.21	3	Horizontal	95	1.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42728G	42.60	54.00	-11.40	3	Vertical	144	1.05	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43322G	56.15	74.00	-17.85	3	Vertical	144	1.05	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42728G	42.64	54.00	-11.36	3	Horizontal	205	2.43	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4316G	57.26	74.00	-16.74	3	Horizontal	205	2.43	-
5745MHz	Pass	AV	5.4546G	46.36	54.00	-7.64	3	Vertical	192	1.13	-
5745MHz	Pass	AV	5.7474G	101.48	Inf	-Inf	3	Vertical	192	1.13	-
5745MHz	Pass	PK	5.5578G	59.89	68.20	-8.31	3	Vertical	192	1.13	-
5745MHz	Pass	PK	5.7414G	111.56	Inf	-Inf	3	Vertical	192	1.13	-
5745MHz	Pass	PK	6.033G	60.53	68.20	-7.67	3	Vertical	192	1.13	-
5745MHz	Pass	AV	5.4498G	46.47	54.00	-7.53	3	Horizontal	94	1.00	-
5745MHz	Pass	AV	5.7438G	102.00	Inf	-Inf	3	Horizontal	94	1.00	-
5745MHz	Pass	PK	5.4606G	59.55	68.20	-8.65	3	Horizontal	94	1.00	-
5745MHz	Pass	PK	5.7438G	112.24	Inf	-Inf	3	Horizontal	94	1.00	-
5745MHz	Pass	PK	5.943G	59.85	68.20	-8.35	3	Horizontal	94	1.00	-
5745MHz	Pass	AV	11.48982G	42.83	54.00	-11.17	3	Vertical	91	1.50	-
5745MHz	Pass	PK	11.4813G	57.04	74.00	-16.96	3	Vertical	91	1.50	-
5745MHz	Pass	AV	11.50458G	42.82	54.00	-11.18	3	Horizontal	198	1.59	-
5745MHz	Pass	PK	11.49786G	56.75	74.00	-17.25	3	Horizontal	198	1.59	-
5785MHz	Pass	AV	5.7838G	102.87	Inf	-Inf	3	Vertical	177	1.05	-
5785MHz	Pass	PK	5.5282G	59.60	68.20	-8.60	3	Vertical	177	1.05	-
5785MHz	Pass	PK	5.785G	112.66	Inf	-Inf	3	Vertical	177	1.05	-
5785MHz	Pass	PK	6.0706G	60.72	68.20	-7.48	3	Vertical	177	1.05	-
5785MHz	Pass	AV	5.7838G	102.16	Inf	-Inf	3	Horizontal	95	1.01	-
5785MHz	Pass	PK	5.515G	60.35	68.20	-7.85	3	Horizontal	95	1.01	-
5785MHz	Pass	PK	5.7838G	111.82	Inf	-Inf	3	Horizontal	95	1.01	-
5785MHz	Pass	PK	6.043G	60.98	68.20	-7.22	3	Horizontal	95	1.01	-
5785MHz	Pass	AV	11.56064G	42.74	54.00	-11.26	3	Vertical	153	2.35	-
5785MHz	Pass	PK	11.56868G	56.57	74.00	-17.43	3	Vertical	153	2.35	-
5785MHz	Pass	AV	11.55848G	42.80	54.00	-11.20	3	Horizontal	30	1.71	-
5785MHz	Pass	PK	11.57948G	56.90	74.00	-17.10	3	Horizontal	30	1.71	-
5825MHz	Pass	AV	5.8238G	103.17	Inf	-Inf	3	Vertical	179	1.02	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5825MHz	Pass	PK	5.5502G	59.66	68.20	-8.54	3	Vertical	179	1.02	-
5825MHz	Pass	PK	5.8238G	113.21	Inf	-Inf	3	Vertical	179	1.02	-
5825MHz	Pass	PK	6.0578G	60.60	68.20	-7.60	3	Vertical	179	1.02	-
5825MHz	Pass	AV	5.8238G	102.75	Inf	-Inf	3	Horizontal	96	1.00	-
5825MHz	Pass	PK	5.6402G	59.15	68.20	-9.05	3	Horizontal	96	1.00	-
5825MHz	Pass	PK	5.8238G	113.14	Inf	-Inf	3	Horizontal	96	1.00	-
5825MHz	Pass	PK	5.9426G	60.53	68.20	-7.67	3	Horizontal	96	1.00	-
5825MHz	Pass	AV	11.6626G	42.83	54.00	-11.17	3	Vertical	248	1.21	-
5825MHz	Pass	PK	11.64376G	56.46	74.00	-17.54	3	Vertical	248	1.21	-
5825MHz	Pass	AV	11.66008G	42.74	54.00	-11.26	3	Horizontal	248	1.91	-
5825MHz	Pass	PK	11.63644G	56.26	74.00	-17.74	3	Horizontal	248	1.91	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.15G	51.69	54.00	-2.31	3	Vertical	39	1.06	-
5180MHz	Pass	AV	5.179G	103.23	Inf	-Inf	3	Vertical	39	1.06	-
5180MHz	Pass	PK	5.1412G	69.94	74.00	-4.06	3	Vertical	39	1.06	-
5180MHz	Pass	PK	5.1792G	113.79	Inf	-Inf	3	Vertical	39	1.06	-
5180MHz	Pass	AV	5.1496G	49.94	54.00	-4.06	3	Horizontal	112	1.00	-
5180MHz	Pass	AV	5.1808G	100.34	Inf	-Inf	3	Horizontal	112	1.00	-
5180MHz	Pass	PK	5.1366G	66.59	74.00	-7.41	3	Horizontal	112	1.00	-
5180MHz	Pass	PK	5.1812G	111.34	Inf	-Inf	3	Horizontal	112	1.00	-
5180MHz	Pass	PK	10.36618G	55.24	68.20	-12.96	3	Vertical	242	1.50	-
5180MHz	Pass	PK	10.34872G	54.39	68.20	-13.81	3	Horizontal	231	1.53	-
5200MHz	Pass	AV	5.15G	50.26	54.00	-3.74	3	Vertical	36	1.00	-
5200MHz	Pass	AV	5.1992G	104.40	Inf	-Inf	3	Vertical	36	1.00	-
5200MHz	Pass	PK	5.1472G	64.07	74.00	-9.93	3	Vertical	36	1.00	-
5200MHz	Pass	PK	5.1992G	115.27	Inf	-Inf	3	Vertical	36	1.00	-
5200MHz	Pass	AV	5.15G	49.61	54.00	-4.39	3	Horizontal	173	1.00	-
5200MHz	Pass	AV	5.1988G	99.91	Inf	-Inf	3	Horizontal	173	1.00	-
5200MHz	Pass	PK	5.1496G	62.32	74.00	-11.68	3	Horizontal	173	1.00	-
5200MHz	Pass	PK	5.1984G	111.23	Inf	-Inf	3	Horizontal	173	1.00	-
5200MHz	Pass	PK	10.40852G	54.50	68.20	-13.70	3	Vertical	91	2.46	-
5200MHz	Pass	PK	10.3862G	54.19	68.20	-14.01	3	Horizontal	274	1.77	-
5240MHz	Pass	AV	5.1476G	46.86	54.00	-7.14	3	Vertical	42	1.15	-
5240MHz	Pass	AV	5.2406G	103.10	Inf	-Inf	3	Vertical	42	1.15	-
5240MHz	Pass	AV	5.3516G	47.07	54.00	-6.93	3	Vertical	42	1.15	-
5240MHz	Pass	PK	5.1038G	60.04	74.00	-13.96	3	Vertical	42	1.15	-
5240MHz	Pass	PK	5.2406G	113.73	Inf	-Inf	3	Vertical	42	1.15	-
5240MHz	Pass	PK	5.3618G	59.97	74.00	-14.03	3	Vertical	42	1.15	-
5240MHz	Pass	AV	5.15G	46.78	54.00	-7.22	3	Horizontal	115	1.08	-
5240MHz	Pass	AV	5.2406G	101.35	Inf	-Inf	3	Horizontal	115	1.08	-
5240MHz	Pass	AV	5.3516G	47.08	54.00	-6.92	3	Horizontal	115	1.08	-
5240MHz	Pass	PK	5.1494G	59.40	74.00	-14.60	3	Horizontal	115	1.08	-
5240MHz	Pass	PK	5.2412G	112.25	Inf	-Inf	3	Horizontal	115	1.08	-
5240MHz	Pass	PK	5.36G	59.89	74.00	-14.11	3	Horizontal	115	1.08	-
5240MHz	Pass	PK	10.46878G	54.62	68.20	-13.58	3	Vertical	89	2.42	-
5240MHz	Pass	PK	10.49008G	54.71	68.20	-13.49	3	Horizontal	63	1.65	-
5260MHz	Pass	AV	5.14G	46.75	54.00	-7.25	3	Vertical	282	1.27	-
5260MHz	Pass	AV	5.2606G	103.46	Inf	-Inf	3	Vertical	282	1.27	-
5260MHz	Pass	AV	5.35G	47.31	54.00	-6.69	3	Vertical	282	1.27	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	PK	5.1412G	59.20	74.00	-14.80	3	Vertical	282	1.27	-
5260MHz	Pass	PK	5.2612G	114.13	Inf	-Inf	3	Vertical	282	1.27	-
5260MHz	Pass	PK	5.3746G	59.33	74.00	-14.67	3	Vertical	282	1.27	-
5260MHz	Pass	AV	5.149G	46.75	54.00	-7.25	3	Horizontal	108	1.01	-
5260MHz	Pass	AV	5.2606G	100.69	Inf	-Inf	3	Horizontal	108	1.01	-
5260MHz	Pass	AV	5.3518G	47.15	54.00	-6.85	3	Horizontal	108	1.01	-
5260MHz	Pass	PK	5.15G	59.18	74.00	-14.82	3	Horizontal	108	1.01	-
5260MHz	Pass	PK	5.2588G	111.75	Inf	-Inf	3	Horizontal	108	1.01	-
5260MHz	Pass	PK	5.3668G	60.01	74.00	-13.99	3	Horizontal	108	1.01	-
5260MHz	Pass	PK	10.52252G	55.10	68.20	-13.10	3	Vertical	92	1.66	-
5260MHz	Pass	PK	10.5173G	55.26	68.20	-12.94	3	Horizontal	280	1.46	-
5300MHz	Pass	AV	5.3004G	103.33	Inf	-Inf	3	Vertical	281	1.27	-
5300MHz	Pass	AV	5.35G	48.72	54.00	-5.28	3	Vertical	281	1.27	-
5300MHz	Pass	PK	5.3016G	114.31	Inf	-Inf	3	Vertical	281	1.27	-
5300MHz	Pass	PK	5.35G	65.04	74.00	-8.96	3	Vertical	281	1.27	-
5300MHz	Pass	AV	5.3004G	100.75	Inf	-Inf	3	Horizontal	108	1.05	-
5300MHz	Pass	AV	5.35G	47.96	54.00	-6.04	3	Horizontal	108	1.05	-
5300MHz	Pass	PK	5.2988G	111.68	Inf	-Inf	3	Horizontal	108	1.05	-
5300MHz	Pass	PK	5.3504G	63.50	74.00	-10.50	3	Horizontal	108	1.05	-
5300MHz	Pass	AV	10.61356G	41.13	54.00	-12.87	3	Vertical	209	1.12	-
5300MHz	Pass	PK	10.58566G	54.76	68.20	-13.44	3	Vertical	209	1.12	-
5300MHz	Pass	AV	10.60156G	41.07	54.00	-12.93	3	Horizontal	167	2.02	-
5300MHz	Pass	PK	10.60978G	54.87	74.00	-19.13	3	Horizontal	167	2.02	-
5320MHz	Pass	AV	5.3194G	102.35	Inf	-Inf	3	Vertical	282	1.23	-
5320MHz	Pass	AV	5.3522G	51.38	54.00	-2.62	3	Vertical	282	1.23	-
5320MHz	Pass	PK	5.321G	114.27	Inf	-Inf	3	Vertical	282	1.23	-
5320MHz	Pass	PK	5.3522G	68.15	74.00	-5.85	3	Vertical	282	1.23	-
5320MHz	Pass	AV	5.3194G	99.76	Inf	-Inf	3	Horizontal	109	1.00	-
5320MHz	Pass	AV	5.35G	49.65	54.00	-4.35	3	Horizontal	109	1.00	-
5320MHz	Pass	PK	5.321G	111.30	Inf	-Inf	3	Horizontal	109	1.00	-
5320MHz	Pass	PK	5.351G	67.49	74.00	-6.51	3	Horizontal	109	1.00	-
5320MHz	Pass	AV	10.64354G	41.31	54.00	-12.69	3	Vertical	226	2.30	-
5320MHz	Pass	PK	10.64924G	55.17	74.00	-18.83	3	Vertical	226	2.30	-
5320MHz	Pass	AV	10.65146G	41.17	54.00	-12.83	3	Horizontal	3	1.67	-
5320MHz	Pass	PK	10.6337G	54.94	74.00	-19.06	3	Horizontal	3	1.67	-
5500MHz	Pass	AV	5.4518G	49.97	54.00	-4.03	3	Vertical	184	1.00	-
5500MHz	Pass	AV	5.5008G	102.34	Inf	-Inf	3	Vertical	184	1.00	-
5500MHz	Pass	PK	5.47G	66.66	68.20	-1.54	3	Vertical	184	1.00	-
5500MHz	Pass	PK	5.5012G	111.61	Inf	-Inf	3	Vertical	184	1.00	-
5500MHz	Pass	AV	5.4596G	49.74	54.00	-4.26	3	Horizontal	50	1.06	-
5500MHz	Pass	AV	5.4984G	97.28	Inf	-Inf	3	Horizontal	50	1.06	-
5500MHz	Pass	PK	5.4686G	63.49	68.20	-4.71	3	Horizontal	50	1.06	-
5500MHz	Pass	PK	5.496G	106.55	Inf	-Inf	3	Horizontal	50	1.06	-
5500MHz	Pass	AV	11.01212G	44.01	54.00	-9.99	3	Vertical	147	1.64	-
5500MHz	Pass	PK	10.99496G	56.77	74.00	-17.23	3	Vertical	147	1.64	-
5500MHz	Pass	AV	11.0126G	44.03	54.00	-9.97	3	Horizontal	334	2.08	-
5500MHz	Pass	PK	10.99472G	57.22	74.00	-16.78	3	Horizontal	334	2.08	-
5580MHz	Pass	AV	5.4528G	49.73	54.00	-4.27	3	Vertical	190	1.00	-
5580MHz	Pass	AV	5.5788G	108.70	Inf	-Inf	3	Vertical	190	1.00	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	5.466G	60.72	68.20	-7.48	3	Vertical	190	1.00	-
5580MHz	Pass	PK	5.5788G	117.56	Inf	-Inf	3	Vertical	190	1.00	-
5580MHz	Pass	PK	5.7276G	60.80	68.20	-7.40	3	Vertical	190	1.00	-
5580MHz	Pass	AV	5.46G	49.51	54.00	-4.49	3	Horizontal	119	1.05	-
5580MHz	Pass	AV	5.5812G	104.78	Inf	-Inf	3	Horizontal	119	1.05	-
5580MHz	Pass	PK	5.466G	61.05	68.20	-7.15	3	Horizontal	119	1.05	-
5580MHz	Pass	PK	5.58G	114.24	Inf	-Inf	3	Horizontal	119	1.05	-
5580MHz	Pass	PK	5.7288G	60.87	68.20	-7.33	3	Horizontal	119	1.05	-
5580MHz	Pass	AV	11.16198G	44.56	54.00	-9.44	3	Vertical	14	1.34	-
5580MHz	Pass	PK	11.16522G	57.28	74.00	-16.72	3	Vertical	14	1.34	-
5580MHz	Pass	AV	11.1621G	44.56	54.00	-9.44	3	Horizontal	189	1.64	-
5580MHz	Pass	PK	11.1501G	57.33	74.00	-16.67	3	Horizontal	189	1.64	-
5700MHz	Pass	AV	5.6988G	103.77	Inf	-Inf	3	Vertical	191	1.04	-
5700MHz	Pass	PK	5.6992G	112.51	Inf	-Inf	3	Vertical	191	1.04	-
5700MHz	Pass	PK	5.7276G	66.47	68.20	-1.73	3	Vertical	191	1.04	-
5700MHz	Pass	AV	5.7024G	100.32	Inf	-Inf	3	Horizontal	66	1.01	-
5700MHz	Pass	PK	5.7032G	109.89	Inf	-Inf	3	Horizontal	66	1.01	-
5700MHz	Pass	PK	5.7316G	63.55	68.20	-4.65	3	Horizontal	66	1.01	-
5700MHz	Pass	AV	11.39832G	44.83	54.00	-9.17	3	Vertical	304	1.09	-
5700MHz	Pass	PK	11.39748G	57.41	74.00	-16.59	3	Vertical	304	1.09	-
5700MHz	Pass	AV	11.39844G	44.83	54.00	-9.17	3	Horizontal	211	2.33	-
5700MHz	Pass	PK	11.40234G	57.75	74.00	-16.25	3	Horizontal	211	2.33	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.42G	49.56	54.00	-4.44	3	Vertical	190	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	108.27	Inf	-Inf	3	Vertical	190	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	60.66	68.20	-7.54	3	Vertical	190	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	116.84	Inf	-Inf	3	Vertical	190	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8748G	63.81	68.20	-4.39	3	Vertical	190	1.01	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4212G	49.55	54.00	-4.45	3	Horizontal	123	1.03	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7212G	103.78	Inf	-Inf	3	Horizontal	123	1.03	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	60.76	68.20	-7.44	3	Horizontal	123	1.03	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7212G	112.13	Inf	-Inf	3	Horizontal	123	1.03	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8796G	63.01	68.20	-5.19	3	Horizontal	123	1.03	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43154G	44.81	54.00	-9.19	3	Vertical	250	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44882G	57.87	74.00	-16.13	3	Vertical	250	1.49	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.42512G	44.70	54.00	-9.30	3	Horizontal	5	2.14	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.45332G	58.03	74.00	-15.97	3	Horizontal	5	2.14	-
5745MHz	Pass	AV	5.4594G	49.51	54.00	-4.49	3	Vertical	176	1.15	-
5745MHz	Pass	AV	5.7438G	108.00	Inf	-Inf	3	Vertical	176	1.15	-
5745MHz	Pass	PK	5.5614G	62.25	68.20	-5.95	3	Vertical	176	1.15	-
5745MHz	Pass	PK	5.7438G	116.30	Inf	-Inf	3	Vertical	176	1.15	-
5745MHz	Pass	PK	5.973G	63.33	68.20	-4.87	3	Vertical	176	1.15	-
5745MHz	Pass	AV	5.4594G	49.51	54.00	-4.49	3	Horizontal	97	1.04	-
5745MHz	Pass	AV	5.7438G	106.36	Inf	-Inf	3	Horizontal	97	1.04	-
5745MHz	Pass	PK	5.619G	62.17	68.20	-6.03	3	Horizontal	97	1.04	-
5745MHz	Pass	PK	5.7426G	114.79	Inf	-Inf	3	Horizontal	97	1.04	-
5745MHz	Pass	PK	5.9862G	63.16	68.20	-5.04	3	Horizontal	97	1.04	-
5745MHz	Pass	AV	11.48898G	44.99	54.00	-9.01	3	Vertical	60	1.15	-
5745MHz	Pass	PK	11.49348G	58.14	74.00	-15.86	3	Vertical	60	1.15	-
5745MHz	Pass	AV	11.48994G	44.86	54.00	-9.14	3	Horizontal	90	1.71	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5745MHz	Pass	PK	11.50248G	57.33	74.00	-16.67	3	Horizontal	90	1.71	-
5785MHz	Pass	AV	5.7838G	107.70	Inf	-Inf	3	Vertical	177	1.08	-
5785MHz	Pass	PK	5.6098G	62.58	68.20	-5.62	3	Vertical	177	1.08	-
5785MHz	Pass	PK	5.7814G	116.35	Inf	-Inf	3	Vertical	177	1.08	-
5785MHz	Pass	PK	6.0514G	63.17	68.20	-5.03	3	Vertical	177	1.08	-
5785MHz	Pass	AV	5.7838G	98.88	Inf	-Inf	3	Horizontal	40	1.05	-
5785MHz	Pass	PK	5.5438G	62.38	68.20	-5.82	3	Horizontal	40	1.05	-
5785MHz	Pass	PK	5.7838G	107.73	Inf	-Inf	3	Horizontal	40	1.05	-
5785MHz	Pass	PK	6.0706G	63.38	68.20	-4.82	3	Horizontal	40	1.05	-
5785MHz	Pass	AV	11.58488G	45.08	54.00	-8.92	3	Vertical	111	2.19	-
5785MHz	Pass	PK	11.5799G	58.06	74.00	-15.94	3	Vertical	111	2.19	-
5785MHz	Pass	AV	11.58494G	45.08	54.00	-8.92	3	Horizontal	16	1.28	-
5785MHz	Pass	PK	11.58356G	57.65	74.00	-16.35	3	Horizontal	16	1.28	-
5825MHz	Pass	AV	5.8238G	108.32	Inf	-Inf	3	Vertical	176	1.01	-
5825MHz	Pass	PK	5.6318G	62.13	68.20	-6.07	3	Vertical	176	1.01	-
5825MHz	Pass	PK	5.8226G	116.82	Inf	-Inf	3	Vertical	176	1.01	-
5825MHz	Pass	PK	6.1226G	64.02	68.20	-4.18	3	Vertical	176	1.01	-
5825MHz	Pass	AV	5.8238G	96.75	Inf	-Inf	3	Horizontal	35	1.50	-
5825MHz	Pass	PK	5.5574G	62.52	68.20	-5.68	3	Horizontal	35	1.50	-
5825MHz	Pass	PK	5.8238G	105.62	Inf	-Inf	3	Horizontal	35	1.50	-
5825MHz	Pass	PK	6.1094G	63.59	68.20	-4.61	3	Horizontal	35	1.50	-
5825MHz	Pass	AV	11.65282G	45.53	54.00	-8.47	3	Vertical	354	2.45	-
5825MHz	Pass	PK	11.64544G	58.18	74.00	-15.82	3	Vertical	354	2.45	-
5825MHz	Pass	AV	11.64334G	45.52	54.00	-8.48	3	Horizontal	112	1.19	-
5825MHz	Pass	PK	11.65792G	58.48	74.00	-15.52	3	Horizontal	112	1.19	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	AV	5.15G	52.22	54.00	-1.78	3	Vertical	24	1.49	-
5190MHz	Pass	AV	5.192G	98.67	Inf	-Inf	3	Vertical	24	1.49	-
5190MHz	Pass	PK	5.1404G	64.09	74.00	-9.91	3	Vertical	24	1.49	-
5190MHz	Pass	PK	5.192G	107.55	Inf	-Inf	3	Vertical	24	1.49	-
5190MHz	Pass	AV	5.1492G	50.43	54.00	-3.57	3	Horizontal	178	1.17	-
5190MHz	Pass	AV	5.1952G	97.08	Inf	-Inf	3	Horizontal	178	1.17	-
5190MHz	Pass	PK	5.15G	63.02	74.00	-10.98	3	Horizontal	178	1.17	-
5190MHz	Pass	PK	5.1952G	106.70	Inf	-Inf	3	Horizontal	178	1.17	-
5190MHz	Pass	PK	10.37826G	55.81	68.20	-12.39	3	Vertical	322	2.06	-
5190MHz	Pass	PK	10.38882G	55.73	68.20	-12.47	3	Horizontal	282	1.72	-
5230MHz	Pass	AV	5.1496G	49.38	54.00	-4.62	3	Vertical	39	1.42	-
5230MHz	Pass	AV	5.228G	100.95	Inf	-Inf	3	Vertical	39	1.42	-
5230MHz	Pass	PK	5.1468G	60.86	74.00	-13.14	3	Vertical	39	1.42	-
5230MHz	Pass	PK	5.2276G	110.09	Inf	-Inf	3	Vertical	39	1.42	-
5230MHz	Pass	AV	5.1496G	48.96	54.00	-5.04	3	Horizontal	175	1.08	-
5230MHz	Pass	AV	5.228G	99.54	Inf	-Inf	3	Horizontal	175	1.08	-
5230MHz	Pass	PK	5.1468G	60.30	74.00	-13.70	3	Horizontal	175	1.08	-
5230MHz	Pass	PK	5.2284G	109.11	Inf	-Inf	3	Horizontal	175	1.08	-
5230MHz	Pass	PK	10.46102G	55.67	68.20	-12.53	3	Vertical	24	1.71	-
5230MHz	Pass	PK	10.4603G	55.00	68.20	-13.20	3	Horizontal	39	2.47	-
5270MHz	Pass	AV	5.1476G	48.54	54.00	-5.46	3	Vertical	189	1.15	-
5270MHz	Pass	AV	5.2682G	102.21	Inf	-Inf	3	Vertical	189	1.15	-
5270MHz	Pass	AV	5.3504G	50.84	54.00	-3.16	3	Vertical	189	1.15	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5270MHz	Pass	PK	5.1422G	59.48	74.00	-14.52	3	Vertical	189	1.15	-
5270MHz	Pass	PK	5.2676G	111.61	Inf	-Inf	3	Vertical	189	1.15	-
5270MHz	Pass	PK	5.3516G	64.94	74.00	-9.06	3	Vertical	189	1.15	-
5270MHz	Pass	AV	5.1368G	48.35	54.00	-5.65	3	Horizontal	176	1.04	-
5270MHz	Pass	AV	5.2682G	99.20	Inf	-Inf	3	Horizontal	176	1.04	-
5270MHz	Pass	AV	5.3654G	49.08	54.00	-4.92	3	Horizontal	176	1.04	-
5270MHz	Pass	PK	5.1398G	59.40	74.00	-14.60	3	Horizontal	176	1.04	-
5270MHz	Pass	PK	5.2676G	108.38	Inf	-Inf	3	Horizontal	176	1.04	-
5270MHz	Pass	PK	5.3504G	60.53	74.00	-13.47	3	Horizontal	176	1.04	-
5270MHz	Pass	PK	10.53916G	55.13	68.20	-13.07	3	Vertical	283	1.70	-
5270MHz	Pass	PK	10.5535G	55.05	68.20	-13.15	3	Horizontal	353	1.45	-
5310MHz	Pass	AV	5.3132G	98.21	Inf	-Inf	3	Vertical	181	1.13	-
5310MHz	Pass	AV	5.3516G	52.47	54.00	-1.53	3	Vertical	181	1.13	-
5310MHz	Pass	PK	5.3136G	107.29	Inf	-Inf	3	Vertical	181	1.13	-
5310MHz	Pass	PK	5.3616G	68.08	74.00	-5.92	3	Vertical	181	1.13	-
5310MHz	Pass	AV	5.3148G	95.02	Inf	-Inf	3	Horizontal	199	1.31	-
5310MHz	Pass	AV	5.3516G	50.08	54.00	-3.92	3	Horizontal	199	1.31	-
5310MHz	Pass	PK	5.314G	104.46	Inf	-Inf	3	Horizontal	199	1.31	-
5310MHz	Pass	PK	5.3616G	62.10	74.00	-11.90	3	Horizontal	199	1.31	-
5310MHz	Pass	AV	10.62744G	43.16	54.00	-10.84	3	Vertical	62	1.20	-
5310MHz	Pass	PK	10.60506G	54.94	74.00	-19.06	3	Vertical	62	1.20	-
5310MHz	Pass	AV	10.63068G	43.20	54.00	-10.80	3	Horizontal	115	1.55	-
5310MHz	Pass	PK	10.60998G	55.12	74.00	-18.88	3	Horizontal	115	1.55	-
5510MHz	Pass	AV	5.4592G	50.09	54.00	-3.91	3	Vertical	186	1.00	-
5510MHz	Pass	AV	5.5048G	101.28	Inf	-Inf	3	Vertical	186	1.00	-
5510MHz	Pass	PK	5.462G	66.63	68.20	-1.57	3	Vertical	186	1.00	-
5510MHz	Pass	PK	5.5024G	111.91	Inf	-Inf	3	Vertical	186	1.00	-
5510MHz	Pass	AV	5.4596G	48.63	54.00	-5.37	3	Horizontal	164	1.52	-
5510MHz	Pass	AV	5.506G	97.12	Inf	-Inf	3	Horizontal	164	1.52	-
5510MHz	Pass	PK	5.4692G	61.70	68.20	-6.50	3	Horizontal	164	1.52	-
5510MHz	Pass	PK	5.5052G	106.68	Inf	-Inf	3	Horizontal	164	1.52	-
5510MHz	Pass	AV	11.01076G	43.36	54.00	-10.64	3	Vertical	181	1.01	-
5510MHz	Pass	PK	11.0239G	56.01	74.00	-17.99	3	Vertical	181	1.01	-
5510MHz	Pass	AV	11.0164G	43.48	54.00	-10.52	3	Horizontal	277	1.94	-
5510MHz	Pass	PK	11.02624G	55.49	74.00	-18.51	3	Horizontal	277	1.94	-
5550MHz	Pass	AV	5.4564G	49.35	54.00	-4.65	3	Vertical	184	1.00	-
5550MHz	Pass	AV	5.5524G	104.37	Inf	-Inf	3	Vertical	184	1.00	-
5550MHz	Pass	PK	5.4668G	64.60	68.20	-3.60	3	Vertical	184	1.00	-
5550MHz	Pass	PK	5.5524G	113.58	Inf	-Inf	3	Vertical	184	1.00	-
5550MHz	Pass	AV	5.458G	48.44	54.00	-5.56	3	Horizontal	201	1.00	-
5550MHz	Pass	AV	5.5528G	101.24	Inf	-Inf	3	Horizontal	201	1.00	-
5550MHz	Pass	PK	5.4664G	59.87	68.20	-8.33	3	Horizontal	201	1.00	-
5550MHz	Pass	PK	5.5536G	110.31	Inf	-Inf	3	Horizontal	201	1.00	-
5550MHz	Pass	AV	11.10462G	43.64	54.00	-10.36	3	Vertical	231	1.82	-
5550MHz	Pass	PK	11.11284G	55.63	74.00	-18.37	3	Vertical	231	1.82	-
5550MHz	Pass	AV	11.0886G	43.22	54.00	-10.78	3	Horizontal	145	1.72	-
5550MHz	Pass	PK	11.09988G	55.90	74.00	-18.10	3	Horizontal	145	1.72	-
5670MHz	Pass	AV	5.673G	102.93	Inf	-Inf	3	Vertical	186	1.01	-
5670MHz	Pass	PK	5.6718G	112.80	Inf	-Inf	3	Vertical	186	1.01	-





Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5670MHz	Pass	PK	5.7282G	66.54	68.20	-1.66	3	Vertical	186	1.01	-
5670MHz	Pass	PK	5.6754G	110.27	Inf	-Inf	3	Horizontal	98	1.00	-
5670MHz	Pass	AV	5.6766G	101.04	Inf	-Inf	3	Horizontal	98	1.00	-
5670MHz	Pass	PK	5.7276G	63.62	68.20	-4.58	3	Horizontal	98	1.00	-
5670MHz	Pass	AV	11.34036G	44.46	54.00	-9.54	3	Vertical	138	2.20	-
5670MHz	Pass	PK	11.34774G	56.95	74.00	-17.05	3	Vertical	138	2.20	-
5670MHz	Pass	AV	11.32584G	44.39	54.00	-9.61	3	Horizontal	60	1.96	-
5670MHz	Pass	PK	11.34276G	56.78	74.00	-17.22	3	Horizontal	60	1.96	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4232G	48.37	54.00	-5.63	3	Vertical	185	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7124G	102.97	Inf	-Inf	3	Vertical	185	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.464G	58.95	68.20	-9.25	3	Vertical	185	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7124G	112.21	Inf	-Inf	3	Vertical	185	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9596G	61.36	68.20	-6.84	3	Vertical	185	1.01	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4292G	48.11	54.00	-5.89	3	Horizontal	124	2.26	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7124G	100.43	Inf	-Inf	3	Horizontal	124	2.26	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	58.35	68.20	-9.85	3	Horizontal	124	2.26	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7124G	109.19	Inf	-Inf	3	Horizontal	124	2.26	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.9356G	61.07	68.20	-7.13	3	Horizontal	124	2.26	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.41004G	44.41	54.00	-9.59	3	Vertical	241	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.41916G	56.47	74.00	-17.53	3	Vertical	241	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.40794G	44.35	54.00	-9.65	3	Horizontal	243	1.35	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42114G	56.50	74.00	-17.50	3	Horizontal	243	1.35	-
5755MHz	Pass	AV	5.7562G	101.63	Inf	-Inf	3	Vertical	328	1.23	-
5755MHz	Pass	PK	5.5546G	60.14	68.20	-8.06	3	Vertical	328	1.23	-
5755MHz	Pass	PK	5.7538G	110.34	Inf	-Inf	3	Vertical	328	1.23	-
5755MHz	Pass	PK	5.965G	60.87	68.20	-7.33	3	Vertical	328	1.23	-
5755MHz	Pass	AV	5.7574G	98.57	Inf	-Inf	3	Horizontal	122	1.01	-
5755MHz	Pass	PK	5.4658G	59.79	68.20	-8.41	3	Horizontal	122	1.01	-
5755MHz	Pass	PK	5.7574G	107.36	Inf	-Inf	3	Horizontal	122	1.01	-
5755MHz	Pass	PK	6.0454G	61.05	68.20	-7.15	3	Horizontal	122	1.01	-
5755MHz	Pass	AV	11.50938G	44.51	54.00	-9.49	3	Vertical	5	2.99	-
5755MHz	Pass	PK	11.50816G	56.68	74.00	-17.32	3	Vertical	5	2.99	-
5755MHz	Pass	AV	11.51202G	44.65	54.00	-9.35	3	Horizontal	351	1.49	-
5755MHz	Pass	PK	11.51316G	57.03	74.00	-16.97	3	Horizontal	351	1.49	-
5795MHz	Pass	AV	5.7998G	102.01	Inf	-Inf	3	Vertical	199	1.15	-
5795MHz	Pass	PK	5.567G	59.89	68.20	-8.31	3	Vertical	199	1.15	-
5795MHz	Pass	PK	5.7998G	112.40	Inf	-Inf	3	Vertical	199	1.15	-
5795MHz	Pass	PK	6.0338G	61.57	68.20	-6.63	3	Vertical	199	1.15	-
5795MHz	Pass	AV	5.7926G	101.12	Inf	-Inf	3	Horizontal	97	1.01	-
5795MHz	Pass	PK	5.5586G	60.15	68.20	-8.05	3	Horizontal	97	1.01	-
5795MHz	Pass	PK	5.7926G	109.97	Inf	-Inf	3	Horizontal	97	1.01	-
5795MHz	Pass	PK	6.0578G	61.08	68.20	-7.12	3	Horizontal	97	1.01	-
5795MHz	Pass	AV	11.58526G	44.76	54.00	-9.24	3	Vertical	360	1.14	-
5795MHz	Pass	PK	11.5903G	56.96	74.00	-17.04	3	Vertical	360	1.14	-
5795MHz	Pass	AV	11.58514G	44.56	54.00	-9.44	3	Horizontal	91	2.80	-
5795MHz	Pass	PK	11.58898G	56.38	74.00	-17.62	3	Horizontal	91	2.80	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	AV	5.141G	49.75	54.00	-4.25	3	Vertical	360	2.59	-
5210MHz	Pass	AV	5.218G	94.20	Inf	-Inf	3	Vertical	360	2.59	-



Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5210MHz	Pass	AV	5.355G	48.44	54.00	-5.56	3	Vertical	360	2.59	-
5210MHz	Pass	PK	5.141G	60.90	74.00	-13.10	3	Vertical	360	2.59	-
5210MHz	Pass	PK	5.217G	103.61	Inf	-Inf	3	Vertical	360	2.59	-
5210MHz	Pass	PK	5.379G	59.73	74.00	-14.27	3	Vertical	360	2.59	-
5210MHz	Pass	AV	5.143G	50.14	54.00	-3.86	3	Horizontal	163	1.28	-
5210MHz	Pass	AV	5.204G	92.87	Inf	-Inf	3	Horizontal	163	1.28	-
5210MHz	Pass	AV	5.359G	48.36	54.00	-5.64	3	Horizontal	163	1.28	-
5210MHz	Pass	PK	5.141G	61.06	74.00	-12.94	3	Horizontal	163	1.28	-
5210MHz	Pass	PK	5.204G	101.97	Inf	-Inf	3	Horizontal	163	1.28	-
5210MHz	Pass	PK	5.377G	60.89	74.00	-13.11	3	Horizontal	163	1.28	-
5210MHz	Pass	PK	10.42114G	55.85	68.20	-12.35	3	Vertical	259	2.38	-
5210MHz	Pass	PK	10.42126G	55.32	68.20	-12.88	3	Horizontal	291	1.11	-
5290MHz	Pass	AV	5.139G	48.27	54.00	-5.73	3	Vertical	188	1.08	-
5290MHz	Pass	AV	5.288G	92.85	Inf	-Inf	3	Vertical	188	1.08	-
5290MHz	Pass	AV	5.35G	52.48	54.00	-1.52	3	Vertical	188	1.08	-
5290MHz	Pass	PK	5.117G	59.28	74.00	-14.72	3	Vertical	188	1.08	-
5290MHz	Pass	PK	5.288G	101.73	Inf	-Inf	3	Vertical	188	1.08	-
5290MHz	Pass	PK	5.512G	59.46	68.20	-8.74	3	Vertical	188	1.08	-
5290MHz	Pass	AV	5.132G	48.47	54.00	-5.53	3	Horizontal	163	1.20	-
5290MHz	Pass	AV	5.295G	89.70	Inf	-Inf	3	Horizontal	163	1.20	-
5290MHz	Pass	AV	5.353G	50.18	54.00	-3.82	3	Horizontal	163	1.20	-
5290MHz	Pass	PK	5.15G	59.27	74.00	-14.73	3	Horizontal	163	1.20	-
5290MHz	Pass	PK	5.295G	99.42	Inf	-Inf	3	Horizontal	163	1.20	-
5290MHz	Pass	PK	5.505G	59.14	68.20	-9.06	3	Horizontal	163	1.20	-
5290MHz	Pass	PK	10.57004G	55.67	68.20	-12.53	3	Vertical	69	2.04	-
5290MHz	Pass	PK	10.57934G	55.17	68.20	-13.03	3	Horizontal	120	2.26	-
5530MHz	Pass	AV	5.452G	49.96	54.00	-4.04	3	Vertical	185	1.07	-
5530MHz	Pass	AV	5.532G	96.65	Inf	-Inf	3	Vertical	185	1.07	-
5530MHz	Pass	PK	5.463G	65.23	68.20	-2.97	3	Vertical	185	1.07	-
5530MHz	Pass	PK	5.534G	106.52	Inf	-Inf	3	Vertical	185	1.07	-
5530MHz	Pass	PK	5.744G	59.84	68.20	-8.36	3	Vertical	185	1.07	-
5530MHz	Pass	AV	5.456G	49.35	54.00	-4.65	3	Horizontal	203	1.05	-
5530MHz	Pass	AV	5.531G	94.36	Inf	-Inf	3	Horizontal	203	1.05	-
5530MHz	Pass	PK	5.461G	61.17	68.20	-7.03	3	Horizontal	203	1.05	-
5530MHz	Pass	PK	5.533G	104.20	Inf	-Inf	3	Horizontal	203	1.05	-
5530MHz	Pass	PK	5.75G	59.42	68.20	-8.78	3	Horizontal	203	1.05	-
5530MHz	Pass	AV	11.04572G	43.63	54.00	-10.37	3	Vertical	319	2.20	-
5530MHz	Pass	PK	11.05592G	56.07	74.00	-17.93	3	Vertical	319	2.20	-
5530MHz	Pass	AV	11.0645G	43.58	54.00	-10.42	3	Horizontal	263	1.37	-
5530MHz	Pass	PK	11.05358G	56.02	74.00	-17.98	3	Horizontal	263	1.37	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.3948G	48.12	54.00	-5.88	3	Vertical	268	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.7008G	96.39	Inf	-Inf	3	Vertical	268	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	58.71	68.20	-9.49	3	Vertical	268	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.7008G	105.80	Inf	-Inf	3	Vertical	268	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8844G	60.21	68.20	-7.99	3	Vertical	268	1.30	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.3948G	48.14	54.00	-5.86	3	Horizontal	96	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6888G	94.82	Inf	-Inf	3	Horizontal	96	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	58.73	68.20	-9.47	3	Horizontal	96	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6876G	104.48	Inf	-Inf	3	Horizontal	96	1.00	-

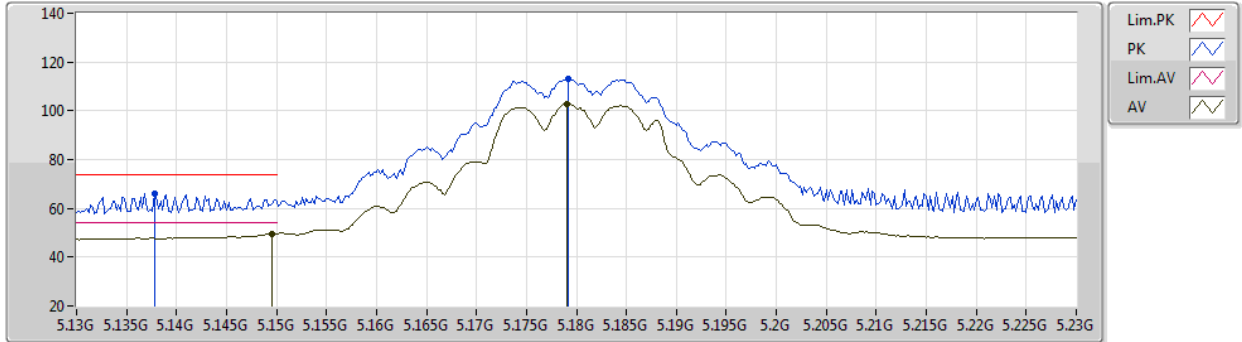


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.9636G	60.18	68.20	-8.02	3	Horizontal	96	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.37202G	44.87	54.00	-9.13	3	Vertical	136	1.16	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37658G	56.66	74.00	-17.34	3	Vertical	136	1.16	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.39284G	44.66	54.00	-9.34	3	Horizontal	88	1.00	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.37514G	56.50	74.00	-17.50	3	Horizontal	88	1.00	-
5775MHz	Pass	AV	5.7834G	95.56	Inf	-Inf	3	Vertical	190	1.06	-
5775MHz	Pass	PK	5.6346G	59.86	68.20	-8.34	3	Vertical	190	1.06	-
5775MHz	Pass	PK	5.7666G	104.32	Inf	-Inf	3	Vertical	190	1.06	-
5775MHz	Pass	PK	6.0678G	61.24	68.20	-6.96	3	Vertical	190	1.06	-
5775MHz	Pass	AV	5.7738G	93.58	Inf	-Inf	3	Horizontal	98	1.11	-
5775MHz	Pass	PK	5.541G	61.15	68.20	-7.05	3	Horizontal	98	1.11	-
5775MHz	Pass	PK	5.7726G	102.77	Inf	-Inf	3	Horizontal	98	1.11	-
5775MHz	Pass	PK	6.0318G	60.88	68.20	-7.32	3	Horizontal	98	1.11	-
5775MHz	Pass	AV	11.5398G	44.56	54.00	-9.44	3	Vertical	176	1.00	-
5775MHz	Pass	PK	11.53662G	57.17	74.00	-16.83	3	Vertical	176	1.00	-
5775MHz	Pass	AV	11.5395G	44.86	54.00	-9.14	3	Horizontal	250	1.23	-
5775MHz	Pass	PK	11.56422G	57.09	74.00	-16.91	3	Horizontal	250	1.23	-

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5180MHz\_TX

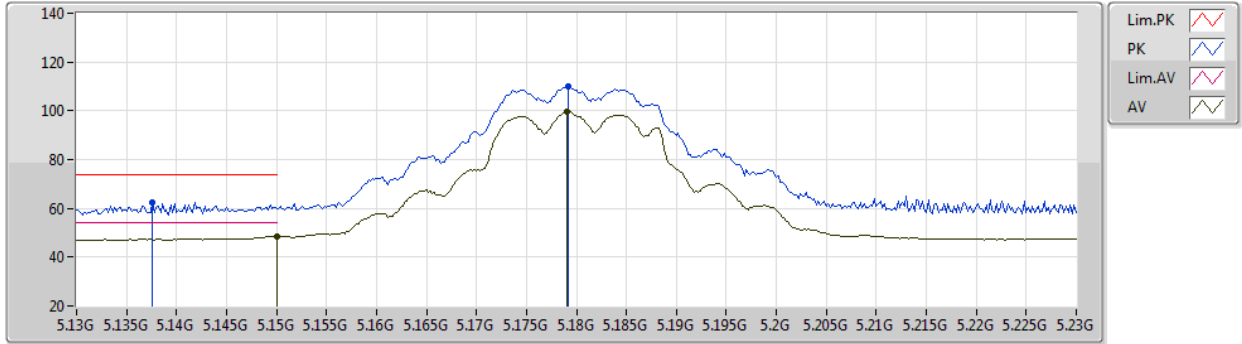


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1496G	49.72	54.00	-4.28	8.89	3	Vertical	37	1.03	-	40.83	34.20	8.52	33.83
AV	5.179G	103.00	Inf	-Inf	8.91	3	Vertical	37	1.03	-	94.09	34.20	8.55	33.84
PK	5.1378G	65.97	74.00	-8.03	8.88	3	Vertical	37	1.03	-	57.09	34.20	8.51	33.83
PK	5.1792G	113.33	Inf	-Inf	8.91	3	Vertical	37	1.03	-	104.42	34.20	8.55	33.84

802.11a\_Nss1,(6Mbps)\_2TX

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5180MHz\_TX



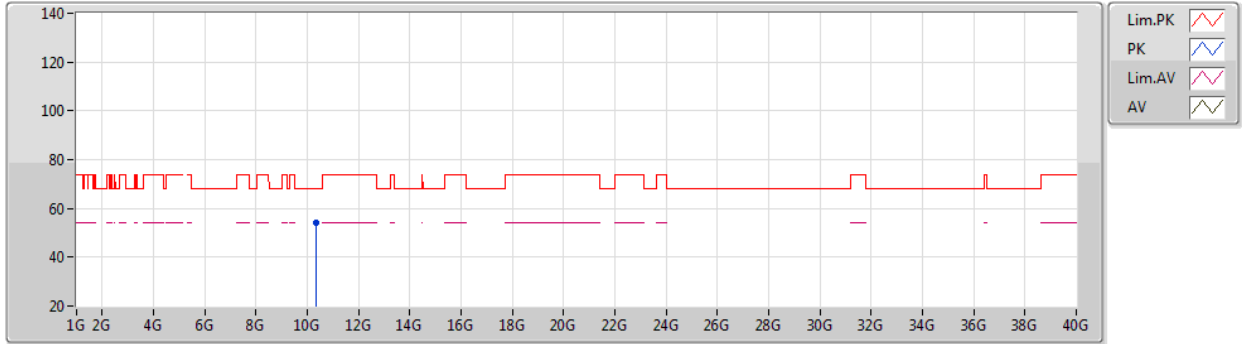
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	48.44	54.00	-5.56	8.89	3	Horizontal	174	1.00	-	39.55	34.20	8.52	33.83
AV	5.179G	99.60	Inf	-Inf	8.91	3	Horizontal	174	1.00	-	90.69	34.20	8.55	33.84
PK	5.1376G	62.36	74.00	-11.64	8.88	3	Horizontal	174	1.00	-	53.48	34.20	8.51	33.83
PK	5.1792G	109.94	Inf	-Inf	8.91	3	Horizontal	174	1.00	-	101.03	34.20	8.55	33.84



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5180MHz\_TX



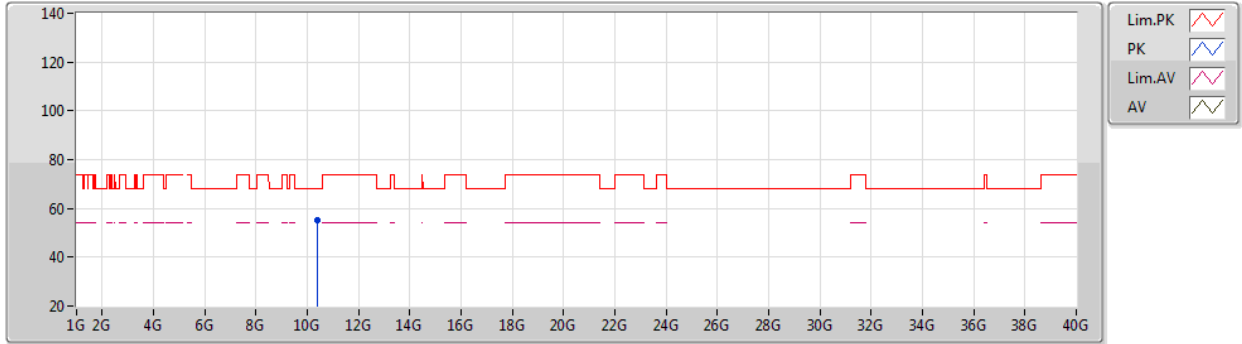
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PK	10.36558G	54.12	68.20	-14.08	17.05	3	Vertical	0	1.65	-	37.07	39.16	12.18	34.29



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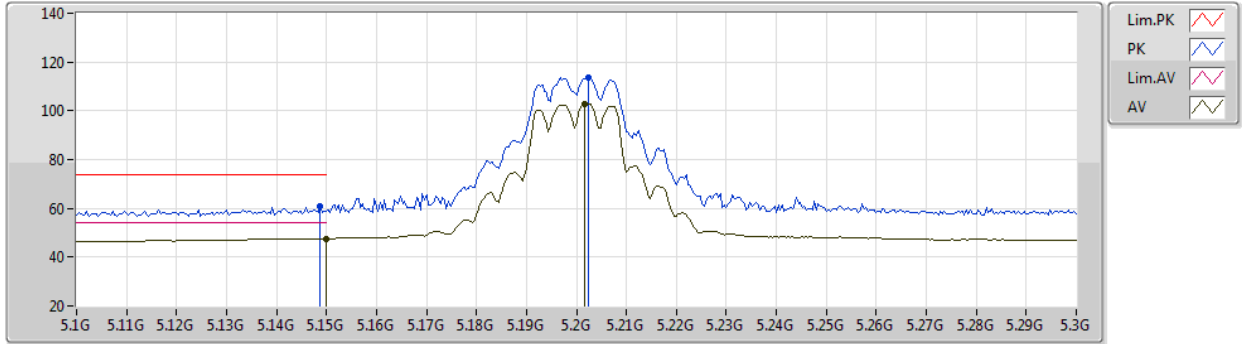


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.37068G	55.14	68.20	-13.06	17.06	3	Horizontal	267	1.48	-	38.08	39.16	12.19	34.29

802.11a\_Nss1,(6Mbps)\_2TX

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5200MHz\_TX



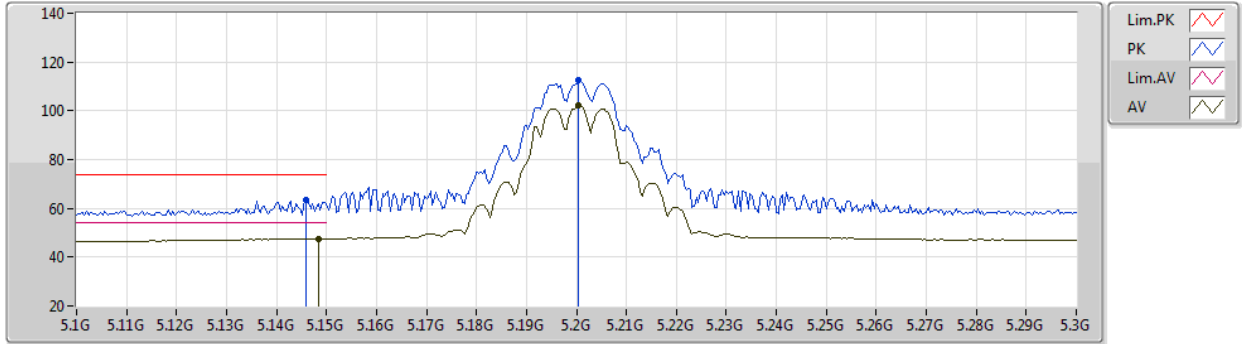
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.15G	47.67	54.00	-6.33	8.89	3	Vertical	37	1.00	-	38.78	34.20	8.52	33.83
AV	5.2016G	103.00	Inf	-Inf	8.92	3	Vertical	37	1.00	-	94.08	34.20	8.57	33.85
PK	5.1488G	61.05	74.00	-12.95	8.89	3	Vertical	37	1.00	-	52.16	34.20	8.52	33.83
PK	5.2024G	113.58	Inf	-Inf	8.92	3	Vertical	37	1.00	-	104.66	34.20	8.57	33.85



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5200MHz\_TX



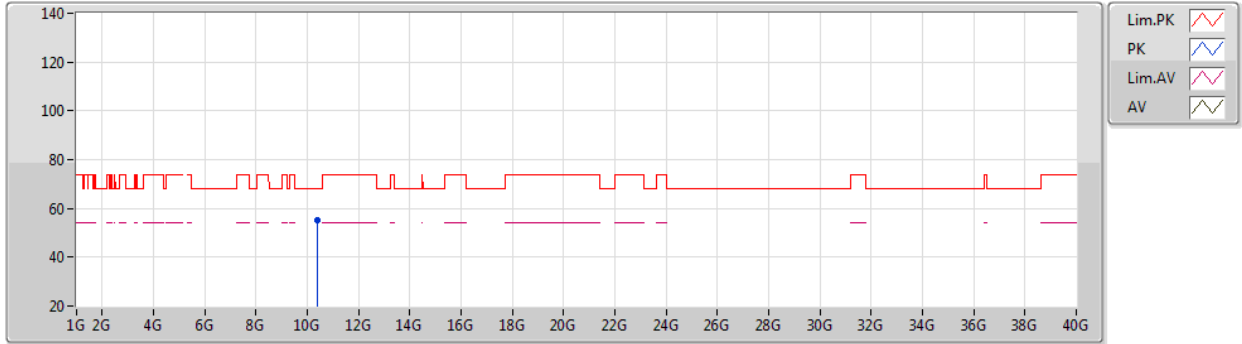
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.1484G	47.67	54.00	-6.33	8.89	3	Horizontal	62	1.00	-	38.78	34.20	8.52	33.83
AV	5.2004G	102.29	Inf	-Inf	8.92	3	Horizontal	62	1.00	-	93.37	34.20	8.57	33.85
PK	5.146G	63.35	74.00	-10.65	8.89	3	Horizontal	62	1.00	-	54.46	34.20	8.52	33.83
PK	5.2004G	112.33	Inf	-Inf	8.92	3	Horizontal	62	1.00	-	103.41	34.20	8.57	33.85



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5200MHz\_TX



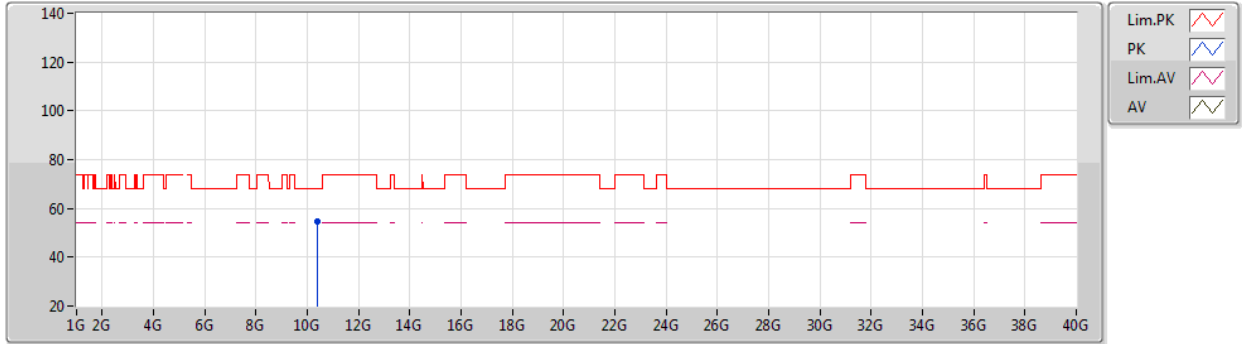
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.39502G	55.43	68.20	-12.77	17.11	3	Vertical	358	2.18	-	38.32	39.18	12.20	34.27



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5200MHz\_TX

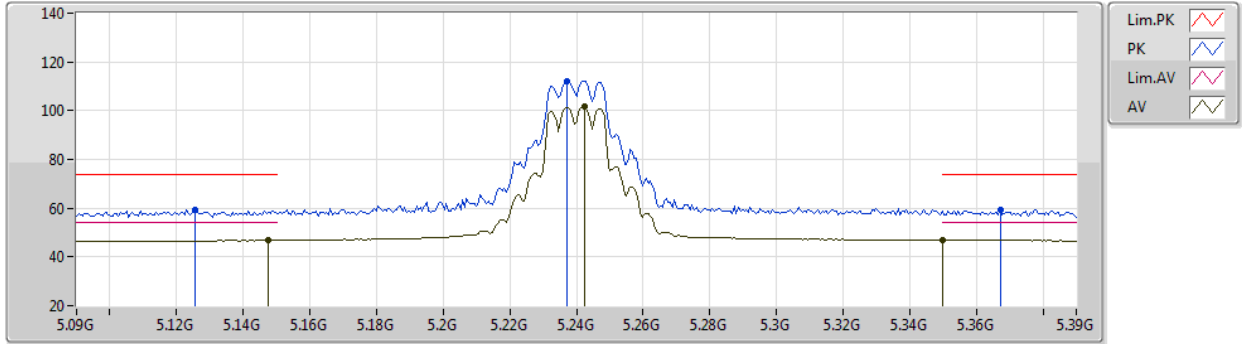


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.39676G	54.43	68.20	-13.77	17.11	3	Horizontal	188	1.60	-	37.32	39.18	12.20	34.27

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5240MHz\_TX

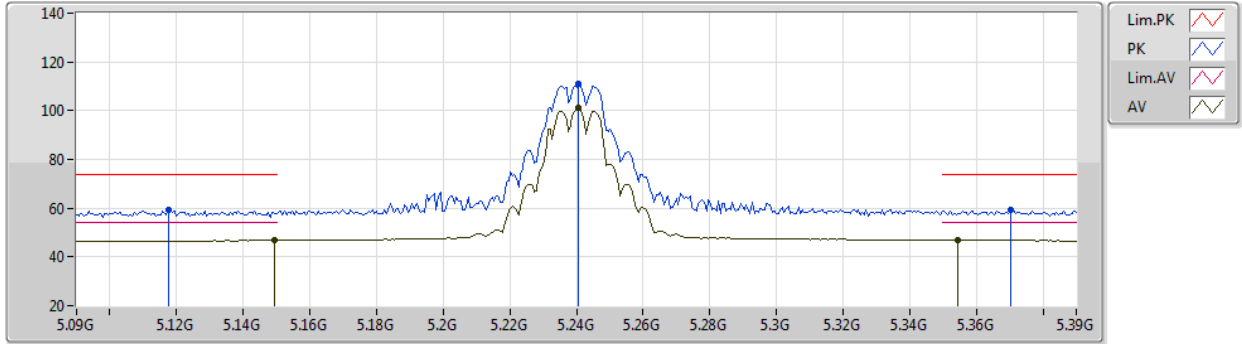


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AV	5.1476G	46.81	54.00	-7.19	8.89	3	Vertical	36	1.00	-	37.92	34.20	8.52	33.83
AV	5.2424G	101.78	Inf	-Inf	9.00	3	Vertical	36	1.00	-	92.78	34.28	8.58	33.86
AV	5.35G	46.94	54.00	-7.06	9.01	3	Vertical	36	1.00	-	37.93	34.30	8.60	33.89
PK	5.1254G	59.48	74.00	-14.52	8.87	3	Vertical	36	1.00	-	50.61	34.20	8.50	33.83
PK	5.237G	112.13	Inf	-Inf	8.99	3	Vertical	36	1.00	-	103.14	34.27	8.58	33.86
PK	5.3672G	59.32	74.00	-14.68	8.98	3	Vertical	36	1.00	-	50.34	34.27	8.60	33.89

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5240MHz\_TX



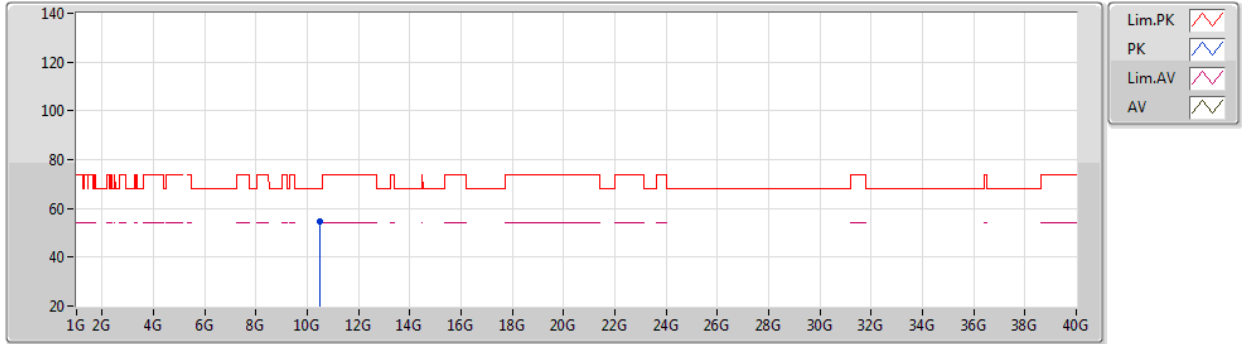
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AV	5.1494G	46.83	54.00	-7.17	8.89	3	Horizontal	60	1.00	-	37.94	34.20	8.52	33.83
AV	5.2406G	101.03	Inf	-Inf	9.00	3	Horizontal	60	1.00	-	92.03	34.28	8.58	33.86
AV	5.3546G	46.98	54.00	-7.02	9.00	3	Horizontal	60	1.00	-	37.98	34.29	8.60	33.89
PK	5.1176G	59.29	74.00	-14.71	8.86	3	Horizontal	60	1.00	-	50.43	34.20	8.49	33.83
PK	5.2406G	110.92	Inf	-Inf	9.00	3	Horizontal	60	1.00	-	101.92	34.28	8.58	33.86
PK	5.3702G	59.40	74.00	-14.60	8.97	3	Horizontal	60	1.00	-	50.43	34.26	8.60	33.89



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5240MHz\_TX



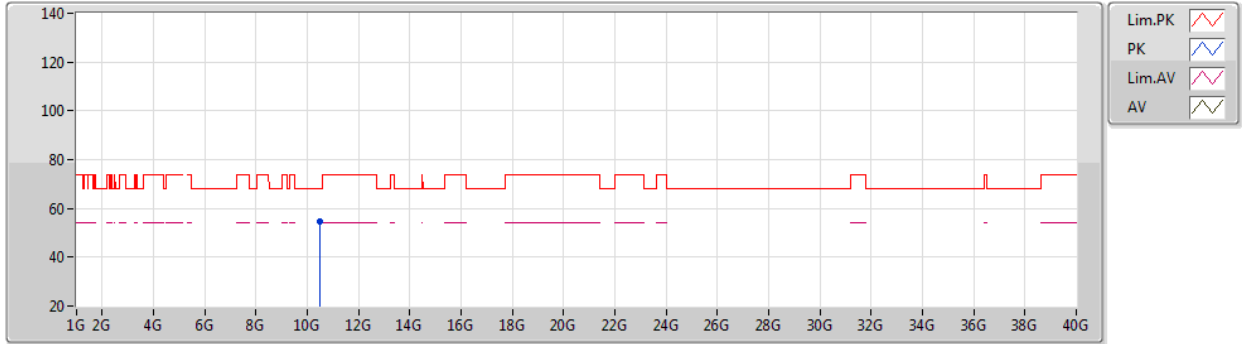
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PK	10.4812G	54.75	68.20	-13.45	17.27	3	Vertical	16	2.10	-	37.48	39.24	12.24	34.21



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5240MHz\_TX

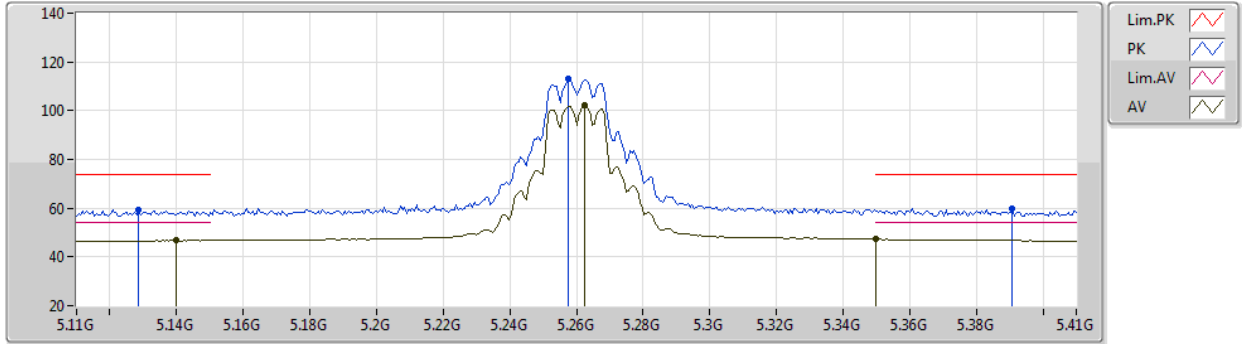


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.47484G	54.76	68.20	-13.44	17.25	3	Horizontal	308	1.77	-	37.51	39.23	12.24	34.22

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5260MHz\_TX



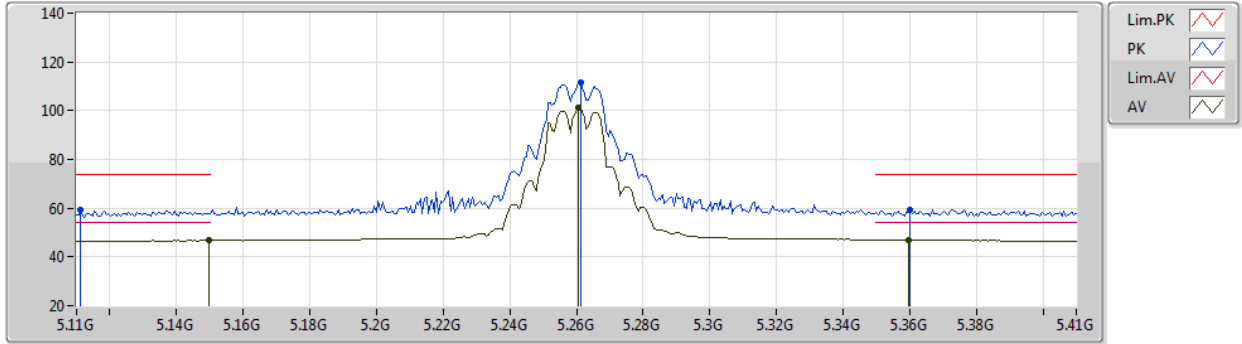
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AV	5.14G	46.75	54.00	-7.25	8.88	3	Vertical	280	1.21	-	37.87	34.20	8.51	33.83
AV	5.2624G	102.17	Inf	-Inf	9.04	3	Vertical	280	1.21	-	93.13	34.32	8.58	33.86
AV	5.35G	47.26	54.00	-6.74	9.02	3	Vertical	280	1.21	-	38.24	34.30	8.60	33.88
PK	5.1286G	59.17	74.00	-14.83	8.87	3	Vertical	280	1.21	-	50.30	34.20	8.50	33.83
PK	5.2576G	112.92	Inf	-Inf	9.04	3	Vertical	280	1.21	-	103.88	34.32	8.58	33.86
PK	5.3908G	59.64	74.00	-14.36	8.93	3	Vertical	280	1.21	-	50.71	34.22	8.61	33.90



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5260MHz\_TX



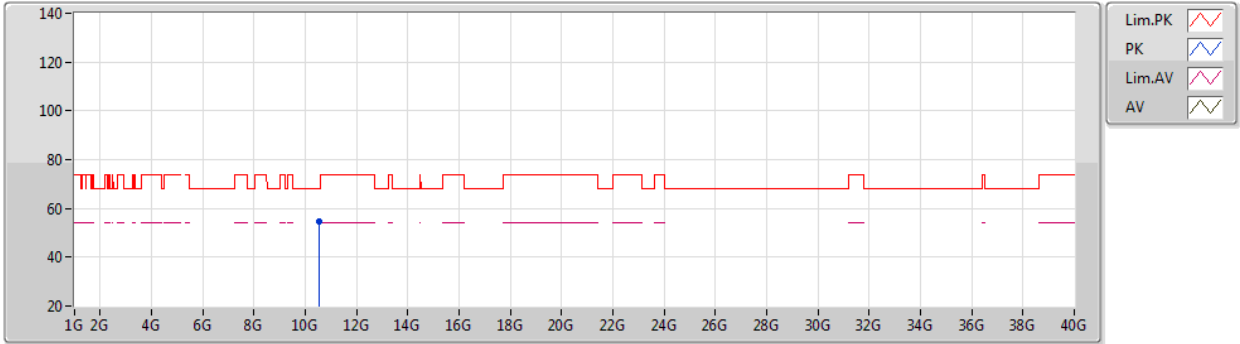
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AV	5.1496G	46.71	54.00	-7.29	8.89	3	Horizontal	64	1.00	-	37.82	34.20	8.52	33.83
AV	5.2606G	101.27	Inf	-Inf	9.04	3	Horizontal	64	1.00	-	92.23	34.32	8.58	33.86
AV	5.3596G	47.05	54.00	-6.95	8.99	3	Horizontal	64	1.00	-	38.06	34.28	8.60	33.89
PK	5.1112G	59.17	74.00	-14.83	8.87	3	Horizontal	64	1.00	-	50.30	34.20	8.49	33.82
PK	5.2612G	111.43	Inf	-Inf	9.04	3	Horizontal	64	1.00	-	102.39	34.32	8.58	33.86
PK	5.3602G	59.22	74.00	-14.78	8.99	3	Horizontal	64	1.00	-	50.23	34.28	8.60	33.89



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5260MHz\_TX



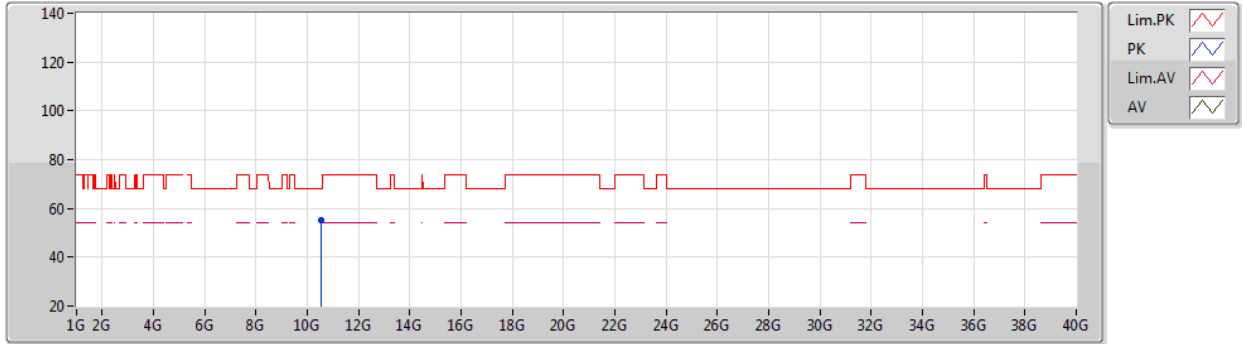
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PK	10.5239G	54.62	68.20	-13.58	17.35	3	Vertical	203	2.24	-	37.27	39.27	12.26	34.18



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5260MHz\_TX

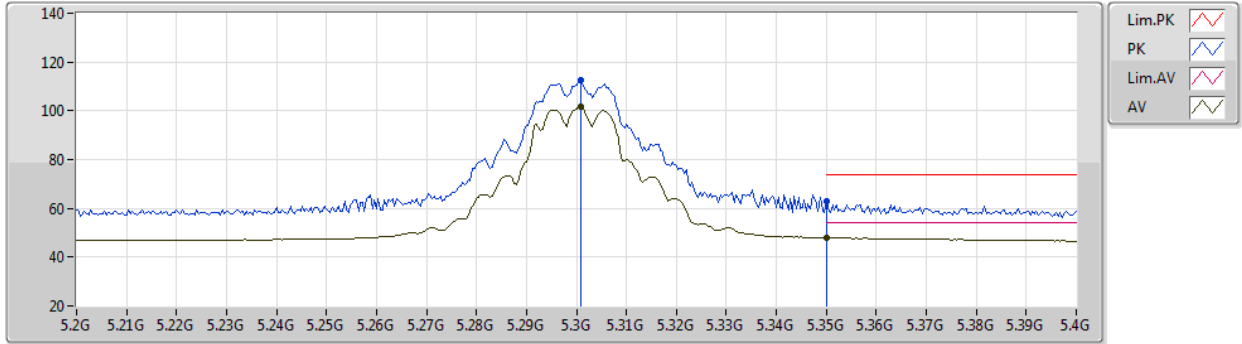


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	10.53116G	55.27	68.20	-12.93	17.36	3	Horizontal	239	2.32	-	37.91	39.27	12.27	34.18

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5300MHz\_TX

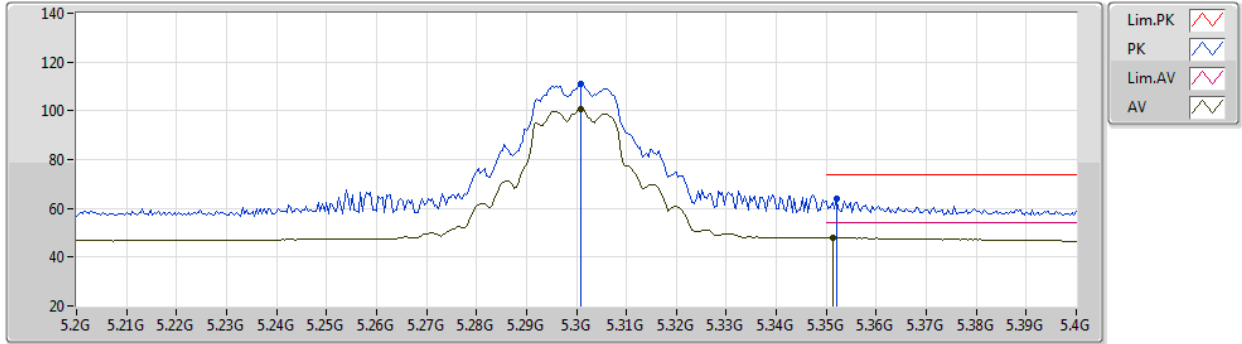


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.3008G	101.70	Inf	-Inf	9.12	3	Vertical	241	1.09	-	92.58	34.40	8.59	33.87
AV	5.35G	48.01	54.00	-5.99	9.02	3	Vertical	241	1.09	-	38.99	34.30	8.60	33.88
PK	5.3008G	112.39	Inf	-Inf	9.12	3	Vertical	241	1.09	-	103.27	34.40	8.59	33.87
PK	5.35G	62.89	74.00	-11.11	9.02	3	Vertical	241	1.09	-	53.87	34.30	8.60	33.88

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5300MHz\_TX



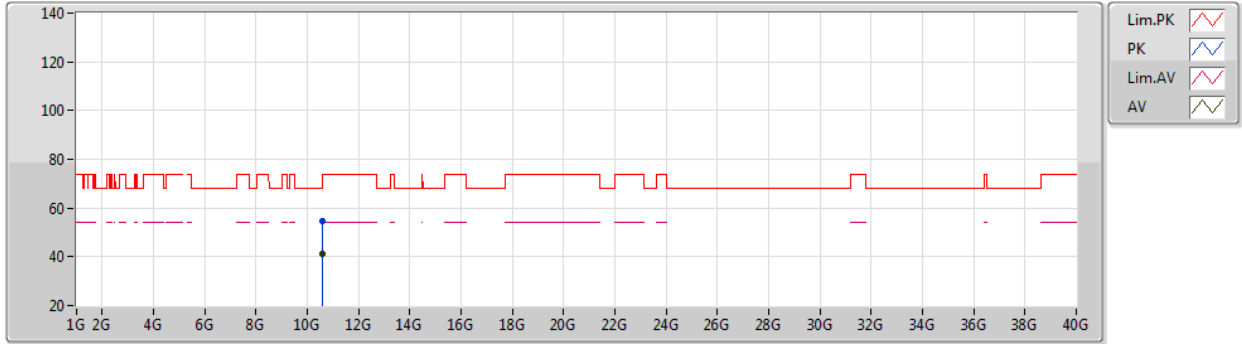
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AV	5.3008G	100.92	Inf	-Inf	9.12	3	Horizontal	117	1.00	-	91.80	34.40	8.59	33.87
AV	5.3512G	47.97	54.00	-6.03	9.01	3	Horizontal	117	1.00	-	38.96	34.30	8.60	33.89
PK	5.3008G	110.81	Inf	-Inf	9.12	3	Horizontal	117	1.00	-	101.69	34.40	8.59	33.87
PK	5.352G	64.06	74.00	-9.94	9.01	3	Horizontal	117	1.00	-	55.05	34.30	8.60	33.89



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5300MHz\_TX



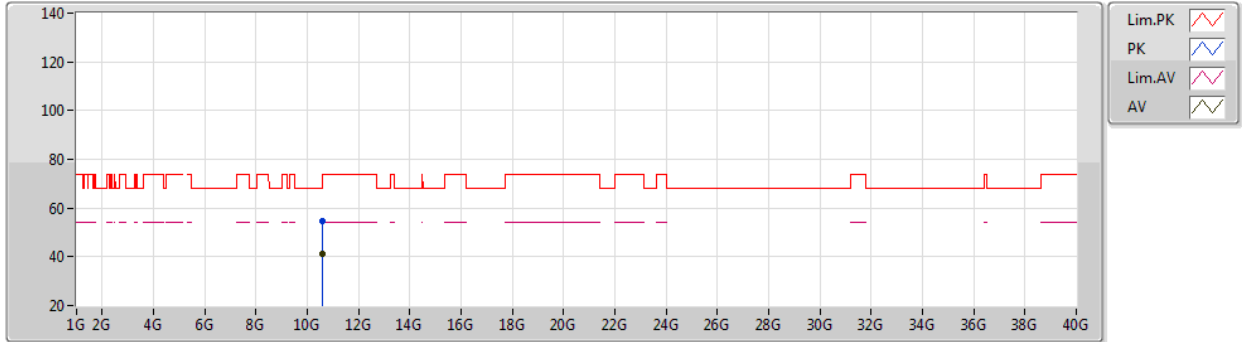
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AV	10.61374G	41.08	54.00	-12.92	17.52	3	Vertical	137	1.18	-	23.56	39.33	12.31	34.12
PK	10.58728G	54.83	68.20	-13.37	17.47	3	Vertical	137	1.18	-	37.36	39.31	12.30	34.14



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5300MHz\_TX

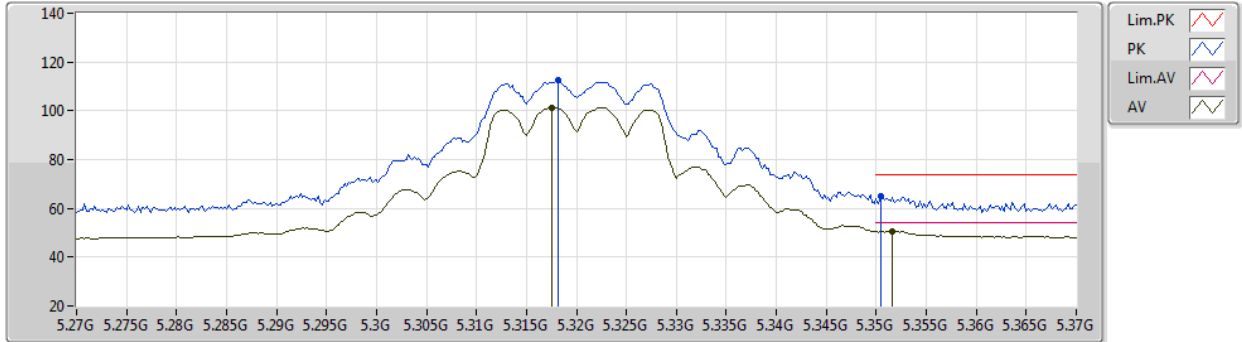


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.61314G	41.12	54.00	-12.88	17.52	3	Horizontal	11	2.00	-	23.60	39.33	12.31	34.12
PK	10.60858G	54.63	74.00	-19.37	17.52	3	Horizontal	11	2.00	-	37.11	39.33	12.31	34.12

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5320MHz\_TX



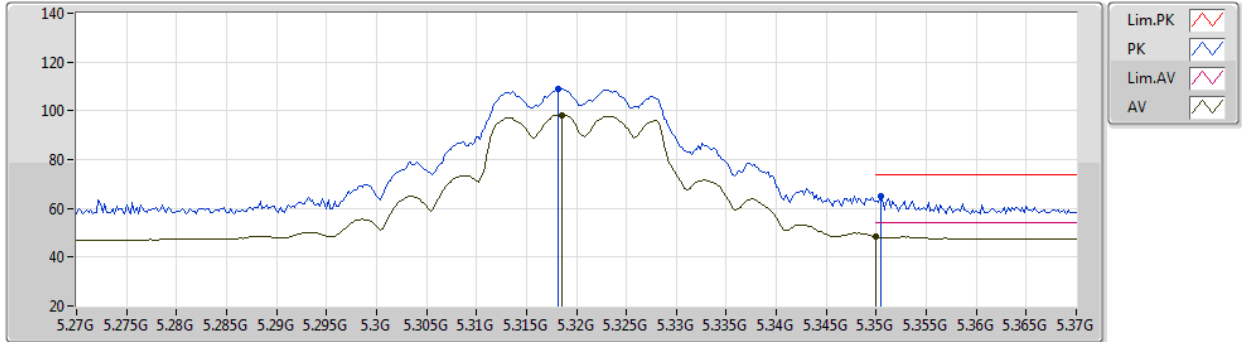
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AV	5.3176G	101.37	Inf	-Inf	9.07	3	Vertical	280	1.25	-	92.30	34.36	8.59	33.88
AV	5.3516G	50.69	54.00	-3.31	9.01	3	Vertical	280	1.25	-	41.68	34.30	8.60	33.89
PK	5.3182G	112.49	Inf	-Inf	9.07	3	Vertical	280	1.25	-	103.42	34.36	8.59	33.88
PK	5.3504G	64.93	74.00	-9.07	9.01	3	Vertical	280	1.25	-	55.92	34.30	8.60	33.89



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5320MHz\_TX



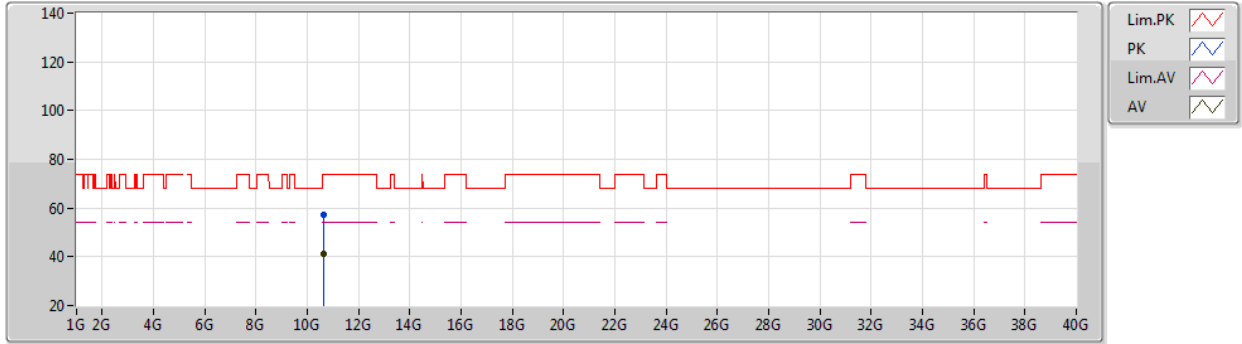
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AV	5.3186G	98.28	Inf	-Inf	9.07	3	Horizontal	112	2.21	-	89.21	34.36	8.59	33.88
AV	5.35G	48.32	54.00	-5.68	9.02	3	Horizontal	112	2.21	-	39.30	34.30	8.60	33.88
PK	5.3182G	108.95	Inf	-Inf	9.07	3	Horizontal	112	2.21	-	99.88	34.36	8.59	33.88
PK	5.3504G	65.10	74.00	-8.90	9.01	3	Horizontal	112	2.21	-	56.09	34.30	8.60	33.89



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5320MHz\_TX



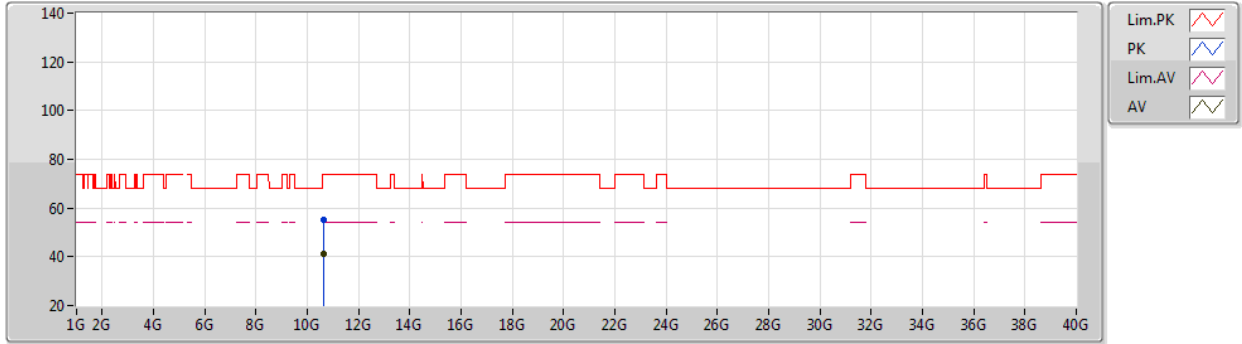
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AV	10.65392G	41.36	54.00	-12.64	17.60	3	Vertical	255	2.45	-	23.76	39.36	12.33	34.09
PK	10.62758G	57.30	74.00	-16.70	17.55	3	Vertical	255	2.45	-	39.75	39.34	12.32	34.11



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5320MHz\_TX

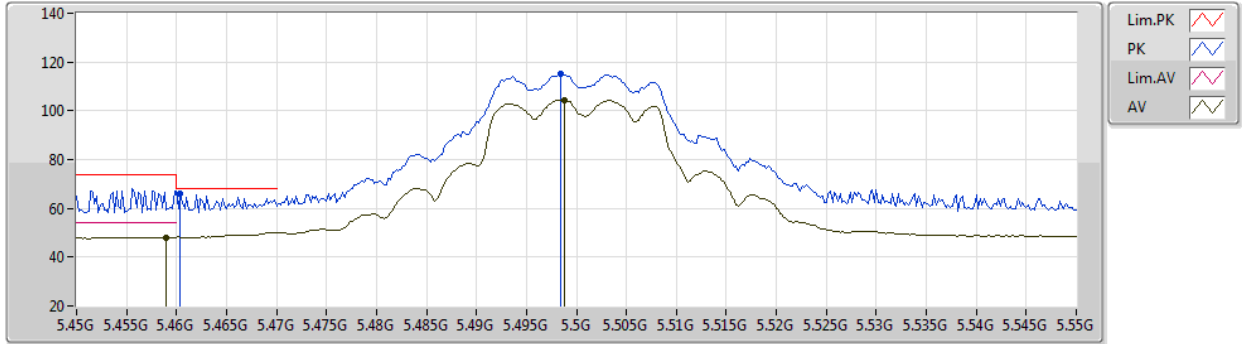


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	10.64876G	41.31	54.00	-12.69	17.58	3	Horizontal	302	1.47	-	23.73	39.35	12.33	34.10
PK	10.64684G	55.21	74.00	-18.79	17.58	3	Horizontal	302	1.47	-	37.63	39.35	12.33	34.10

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5500MHz\_TX

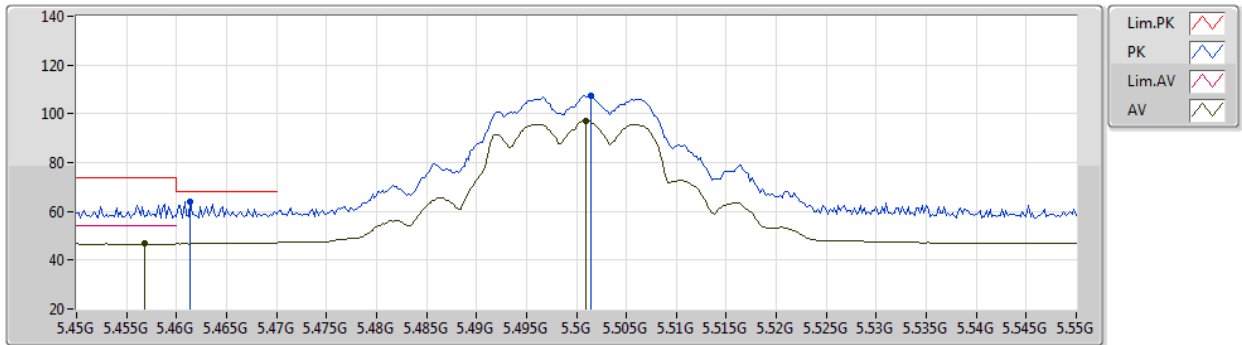


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.459G	48.13	54.00	-5.87	8.99	3	Vertical	176	1.06	-	39.14	34.20	8.70	33.91
AV	5.4988G	104.45	Inf	-Inf	9.03	3	Vertical	176	1.06	-	95.42	34.20	8.75	33.92
PK	5.4604G	65.84	68.20	-2.36	8.99	3	Vertical	176	1.06	-	56.85	34.20	8.70	33.91
PK	5.4984G	115.03	Inf	-Inf	9.03	3	Vertical	176	1.06	-	106.00	34.20	8.75	33.92

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5500MHz\_TX



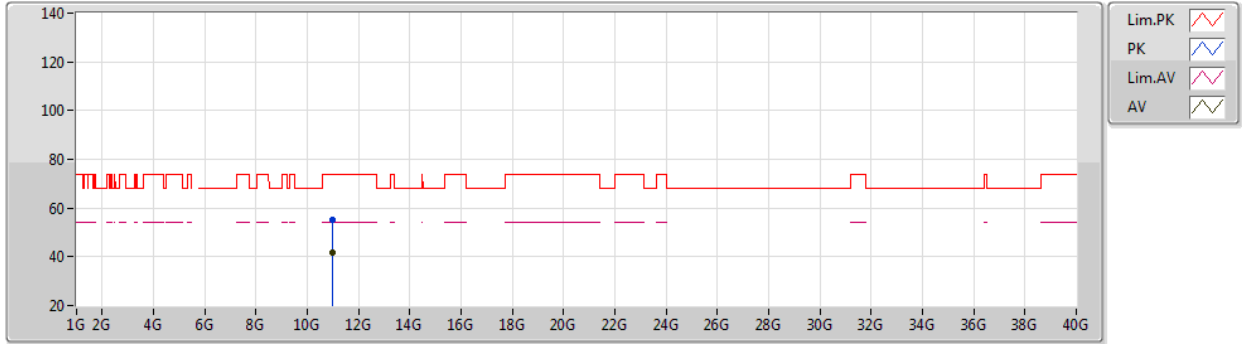
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AV	5.4568G	46.70	54.00	-7.30	8.98	3	Horizontal	127	2.34	-	37.72	34.20	8.69	33.91
AV	5.501G	97.13	Inf	-Inf	9.04	3	Horizontal	127	2.34	-	88.09	34.20	8.76	33.92
PK	5.4614G	63.83	68.20	-4.37	8.99	3	Horizontal	127	2.34	-	54.84	34.20	8.70	33.91
PK	5.5014G	107.31	Inf	-Inf	9.04	3	Horizontal	127	2.34	-	98.27	34.20	8.76	33.92



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5500MHz\_TX



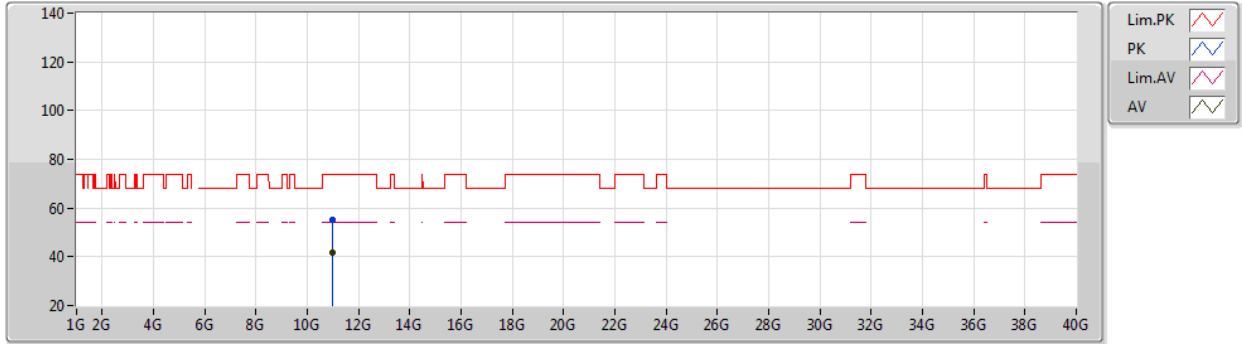
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AV	10.997G	41.87	54.00	-12.13	18.25	3	Vertical	149	2.44	-	23.62	39.60	12.50	33.85
PK	11.0009G	55.33	74.00	-18.67	18.26	3	Vertical	149	2.44	-	37.07	39.60	12.51	33.85



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5500MHz\_TX

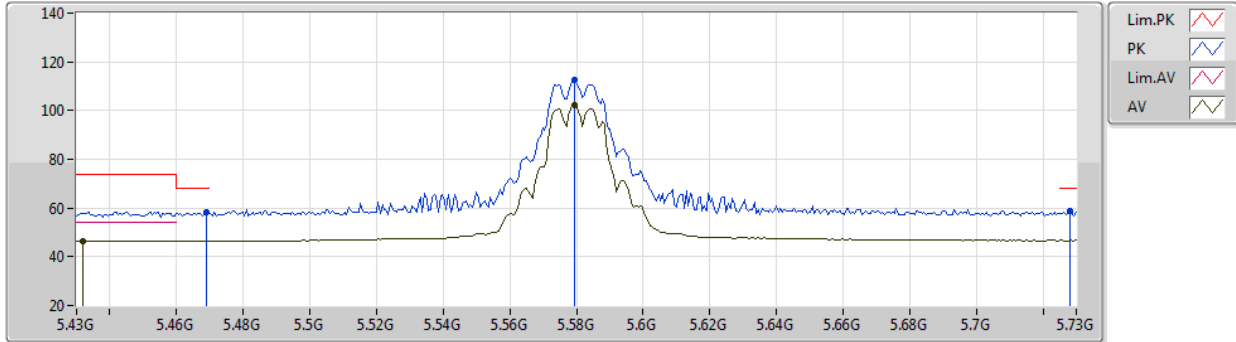


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.0024G	41.83	54.00	-12.17	18.26	3	Horizontal	19	1.93	-	23.57	39.60	12.51	33.85
PK	10.99118G	55.28	74.00	-18.72	18.23	3	Horizontal	19	1.93	-	37.05	39.59	12.50	33.86

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5580MHz\_TX



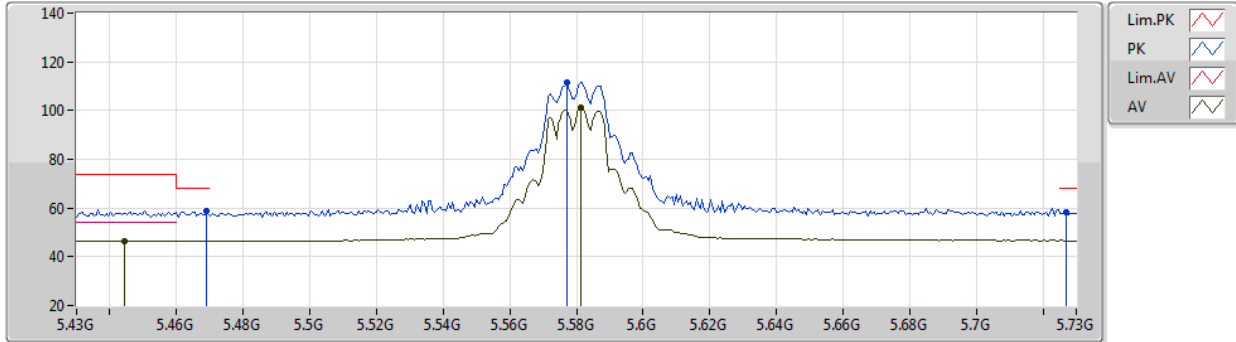
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AV	5.4318G	46.58	54.00	-7.42	8.95	3	Vertical	192	1.00	-	37.63	34.20	8.66	33.91
AV	5.5794G	102.34	Inf	-Inf	9.05	3	Vertical	192	1.00	-	93.29	34.12	8.87	33.94
PK	5.469G	58.40	68.20	-9.80	9.00	3	Vertical	192	1.00	-	49.40	34.20	8.71	33.91
PK	5.5794G	112.59	Inf	-Inf	9.05	3	Vertical	192	1.00	-	103.54	34.12	8.87	33.94
PK	5.7282G	58.89	68.20	-9.31	9.02	3	Vertical	192	1.00	-	49.87	33.96	9.02	33.96



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5580MHz\_TX



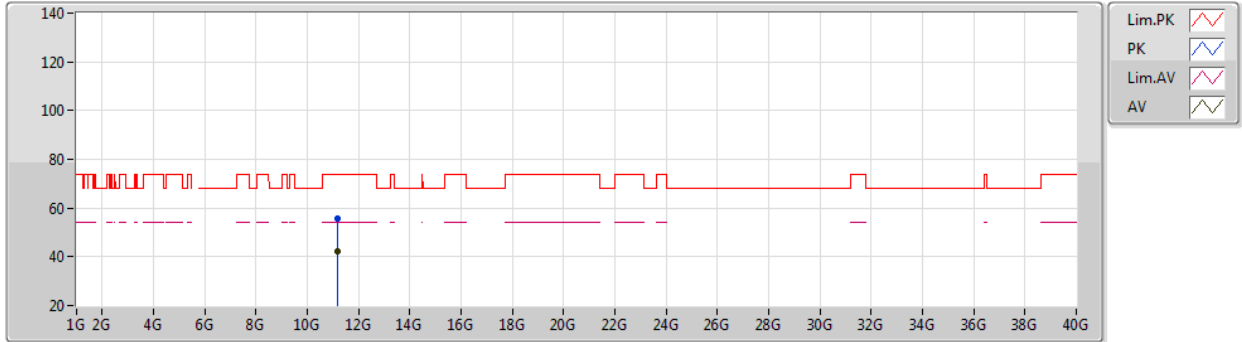
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4444G	46.43	54.00	-7.57	8.96	3	Horizontal	93	1.00	-	37.47	34.20	8.67	33.91
AV	5.5812G	101.19	Inf	-Inf	9.05	3	Horizontal	93	1.00	-	92.14	34.12	8.87	33.94
PK	5.469G	58.60	68.20	-9.60	9.00	3	Horizontal	93	1.00	-	49.60	34.20	8.71	33.91
PK	5.577G	111.47	Inf	-Inf	9.05	3	Horizontal	93	1.00	-	102.42	34.12	8.87	33.94
PK	5.727G	58.22	68.20	-9.98	9.00	3	Horizontal	93	1.00	-	49.22	33.95	9.01	33.96



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5580MHz\_TX



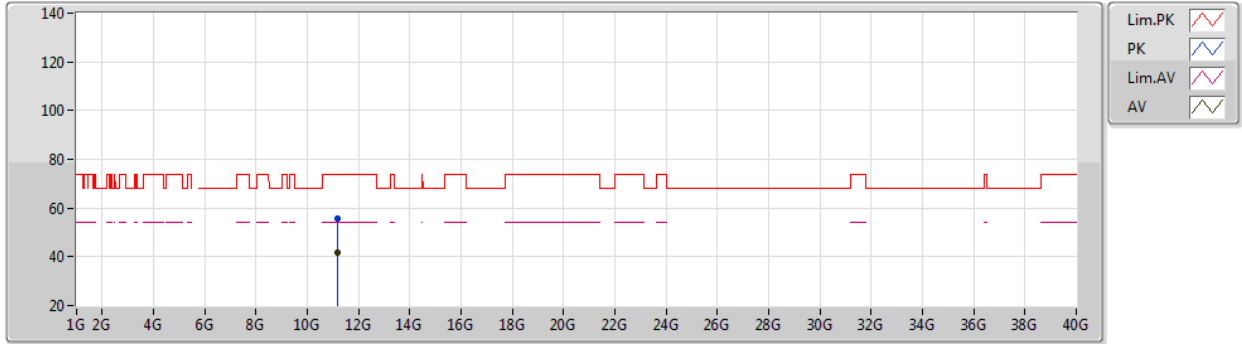
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AV	11.1744G	42.05	54.00	-11.95	18.66	3	Vertical	125	2.31	-	23.39	39.95	12.59	33.88
PK	11.17488G	55.71	74.00	-18.29	18.66	3	Vertical	125	2.31	-	37.05	39.95	12.59	33.88



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5580MHz\_TX

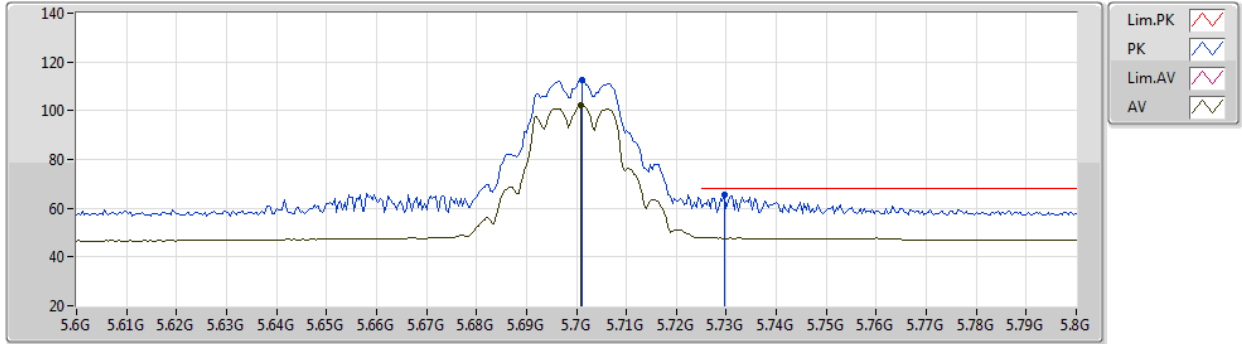


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.17152G	41.98	54.00	-12.02	18.65	3	Horizontal	227	1.35	-	23.33	39.94	12.59	33.88
PK	11.16456G	55.74	74.00	-18.26	18.64	3	Horizontal	227	1.35	-	37.10	39.93	12.59	33.88

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5700MHz\_TX



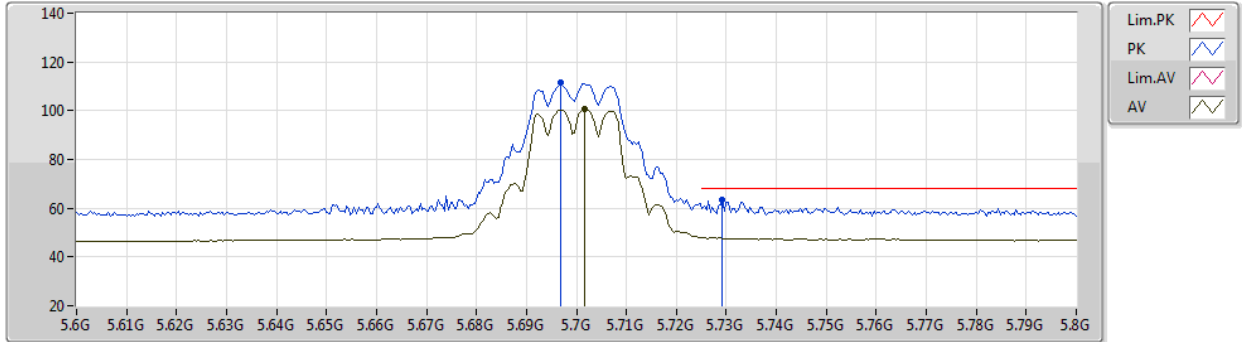
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AV	5.7008G	102.46	Inf	-Inf	8.94	3	Vertical	179	1.10	-	93.52	33.90	8.99	33.95
PK	5.7012G	112.78	Inf	-Inf	8.94	3	Vertical	179	1.10	-	103.84	33.90	8.99	33.95
PK	5.7296G	65.46	68.20	-2.74	9.02	3	Vertical	179	1.10	-	56.44	33.96	9.02	33.96



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5700MHz\_TX



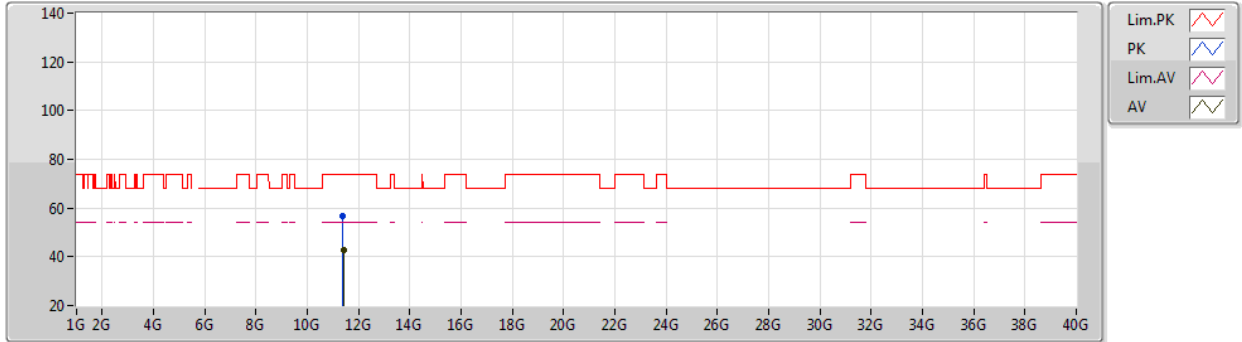
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.7016G	100.76	Inf	-Inf	8.94	3	Horizontal	94	1.00	-	91.82	33.90	8.99	33.95
PK	5.6968G	111.32	Inf	-Inf	8.95	3	Horizontal	94	1.00	-	102.37	33.91	8.99	33.95
PK	5.7292G	63.19	68.20	-5.01	9.02	3	Horizontal	94	1.00	-	54.17	33.96	9.02	33.96



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5700MHz\_TX



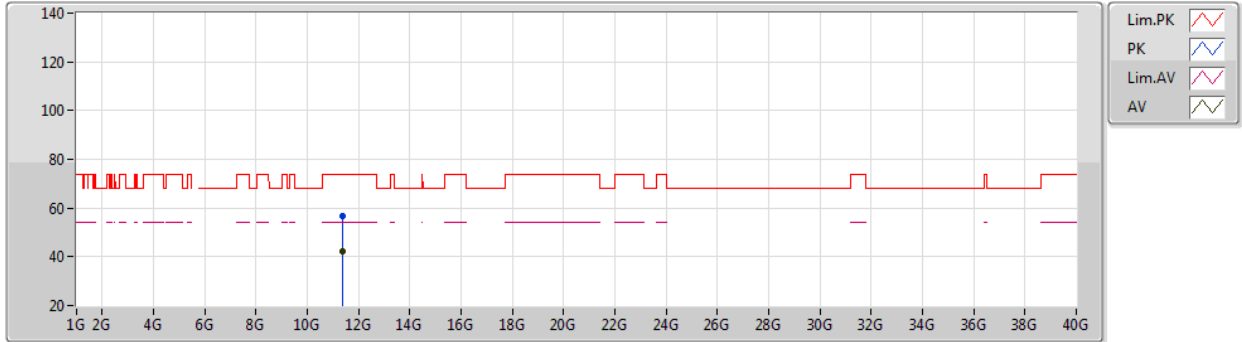
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AV	11.40234G	42.53	54.00	-11.47	19.20	3	Vertical	171	2.01	-	23.33	40.40	12.71	33.91
PK	11.39658G	56.47	74.00	-17.53	19.19	3	Vertical	171	2.01	-	37.28	40.39	12.71	33.91



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5700MHz\_TX



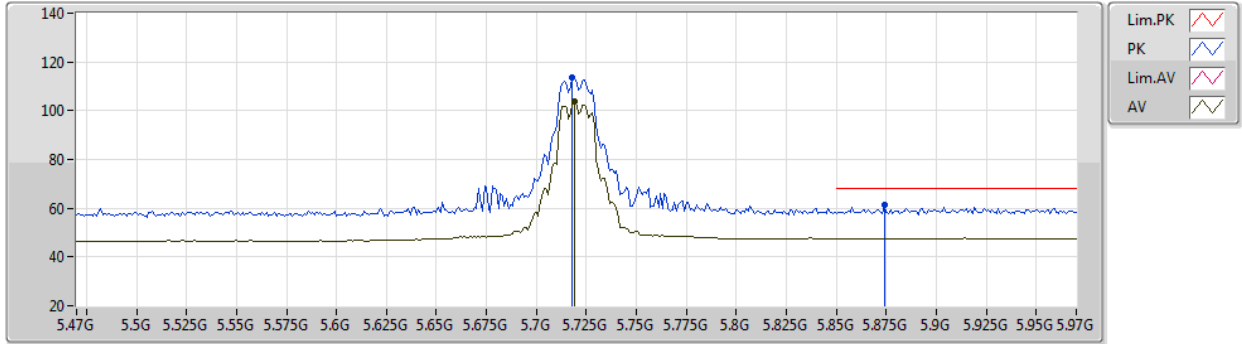
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AV	11.39964G	42.49	54.00	-11.51	19.20	3	Horizontal	297	1.09	-	23.29	40.40	12.71	33.91
PK	11.4003G	56.49	74.00	-17.51	19.20	3	Horizontal	297	1.09	-	37.29	40.40	12.71	33.91



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5720MHz Straddle 5.47-5.725GHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.719G	103.65	Inf	-Inf	9.00	3	Vertical	178	1.00	-	94.65	33.94	9.01	33.95
PK	5.718G	113.63	Inf	-Inf	9.00	3	Vertical	178	1.00	-	104.63	33.94	9.01	33.95
PK	5.874G	61.16	68.20	-7.04	9.60	3	Vertical	178	1.00	-	51.56	34.47	9.11	33.98

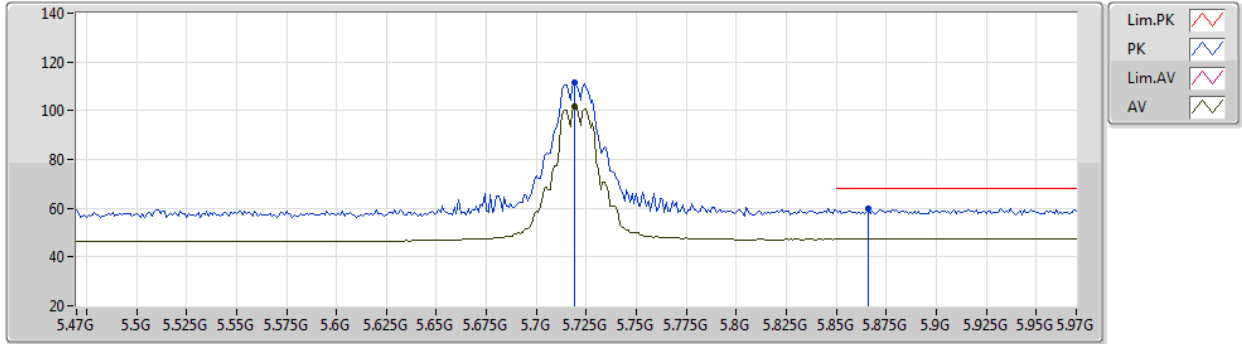




802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5720MHz Straddle 5.47-5.725GHz\_TX



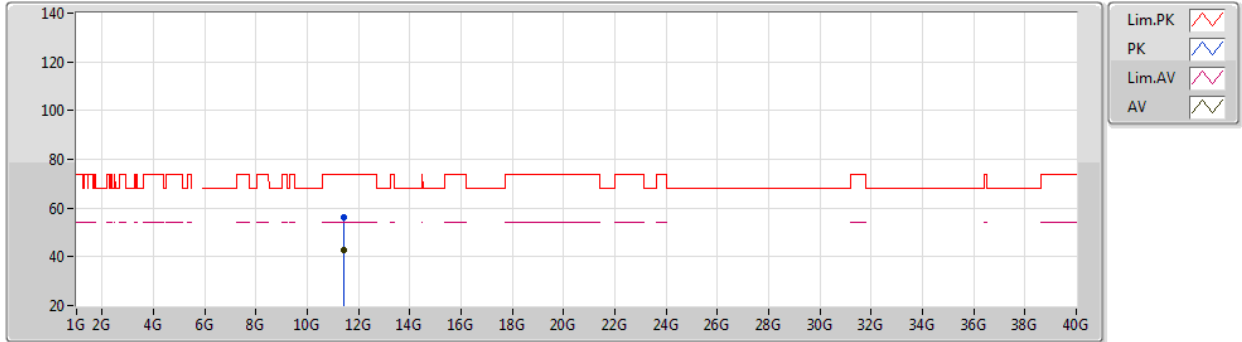
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.719G	101.70	Inf	-Inf	9.00	3	Horizontal	95	1.00	-	92.70	33.94	9.01	33.95
PK	5.719G	111.77	Inf	-Inf	9.00	3	Horizontal	95	1.00	-	102.77	33.94	9.01	33.95
PK	5.866G	59.99	68.20	-8.21	9.56	3	Horizontal	95	1.00	-	50.43	34.43	9.11	33.98



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5720MHz Straddle 5.47-5.725GHz\_TX



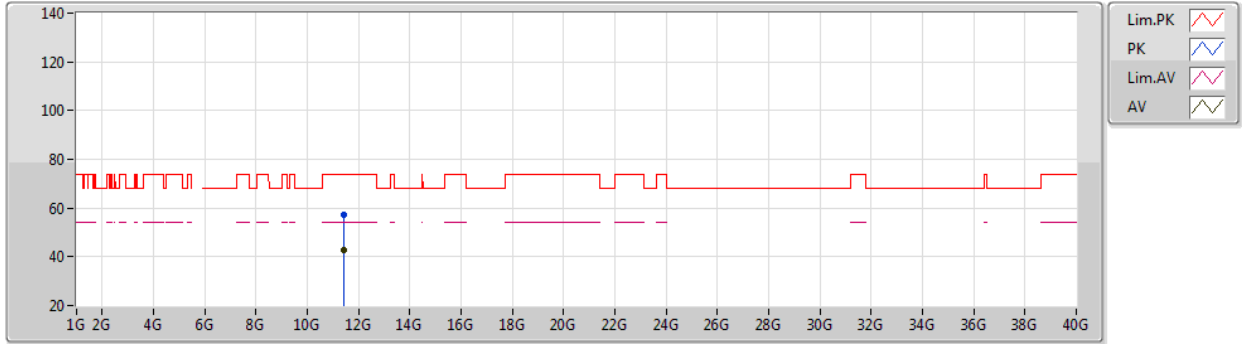
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.42728G	42.60	54.00	-11.40	19.25	3	Vertical	144	1.05	-	23.35	40.45	12.72	33.92
PK	11.43322G	56.15	74.00	-17.85	19.27	3	Vertical	144	1.05	-	36.88	40.47	12.72	33.92



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5720MHz Straddle 5.47-5.725GHz\_TX

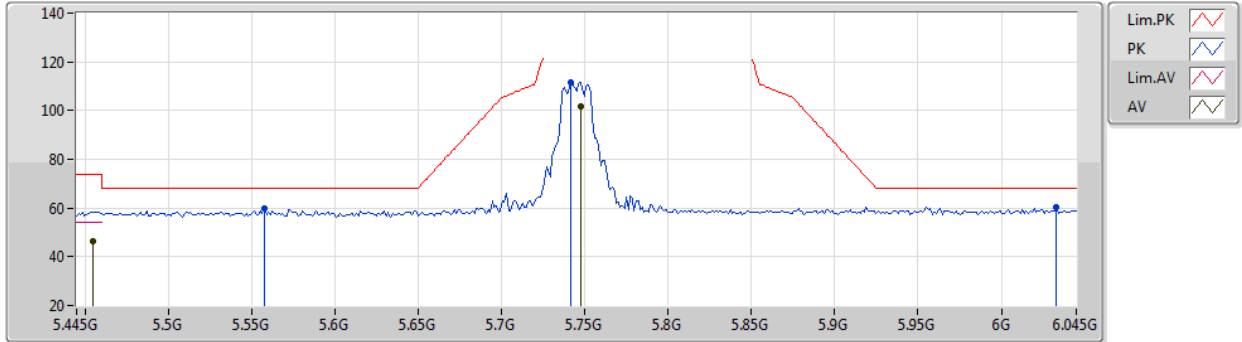


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.42728G	42.64	54.00	-11.36	19.25	3	Horizontal	205	2.43	-	23.39	40.45	12.72	33.92
PK	11.4316G	57.26	74.00	-16.74	19.26	3	Horizontal	205	2.43	-	38.00	40.46	12.72	33.92

802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5745MHz\_TX



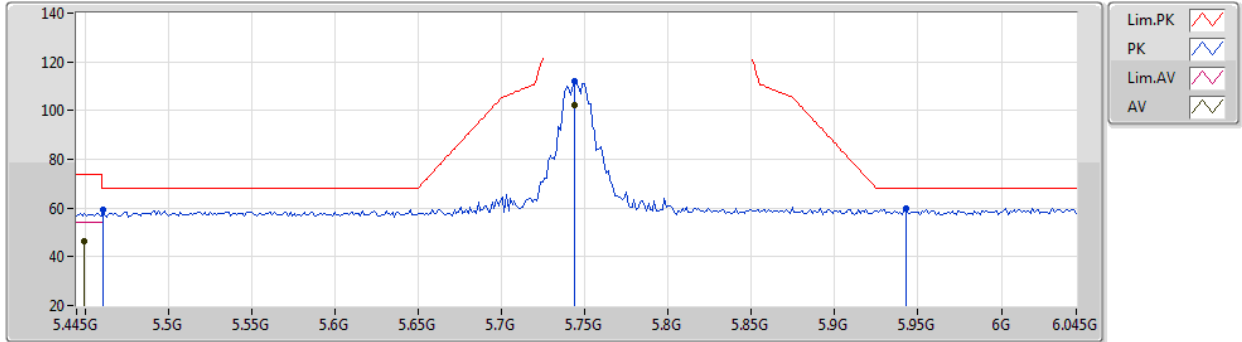
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4546G	46.36	54.00	-7.64	8.98	3	Vertical	192	1.13	-	37.38	34.20	8.69	33.91
AV	5.7474G	101.48	Inf	-Inf	9.06	3	Vertical	192	1.13	-	92.42	33.99	9.03	33.96
PK	5.5578G	59.89	68.20	-8.31	9.05	3	Vertical	192	1.13	-	50.84	34.14	8.84	33.93
PK	5.7414G	111.56	Inf	-Inf	9.05	3	Vertical	192	1.13	-	102.51	33.98	9.03	33.96
PK	6.033G	60.53	68.20	-7.67	10.07	3	Vertical	192	1.13	-	50.46	34.87	9.20	34.00



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5745MHz\_TX



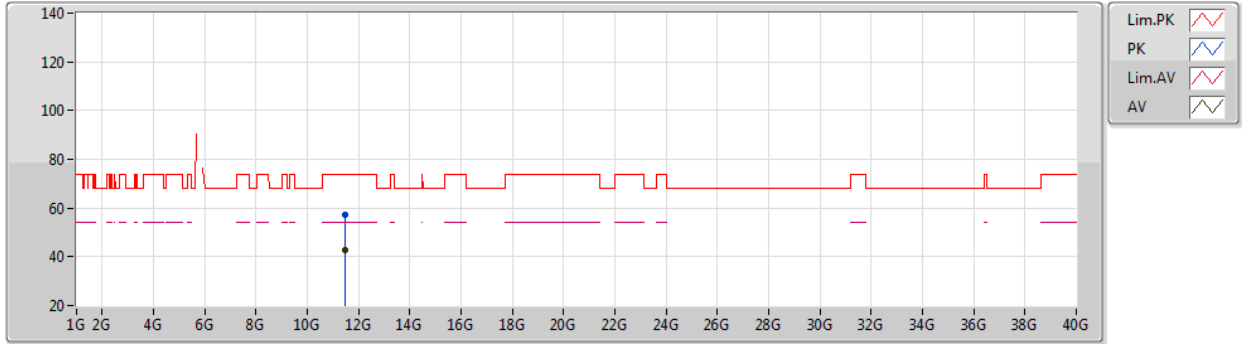
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	5.4498G	46.47	54.00	-7.53	8.97	3	Horizontal	94	1.00	-	37.50	34.20	8.68	33.91
AV	5.7438G	102.00	Inf	-Inf	9.06	3	Horizontal	94	1.00	-	92.94	33.99	9.03	33.96
PK	5.4606G	59.55	68.20	-8.65	8.99	3	Horizontal	94	1.00	-	50.56	34.20	8.70	33.91
PK	5.7438G	112.24	Inf	-Inf	9.06	3	Horizontal	94	1.00	-	103.18	33.99	9.03	33.96
PK	5.943G	59.85	68.20	-8.35	9.84	3	Horizontal	94	1.00	-	50.01	34.69	9.14	33.99



802.11a\_Nss1,(6Mbps)\_2TX

16/06/2020

5745MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	11.48982G	42.83	54.00	-11.17	19.40	3	Vertical	91	1.50	-	23.43	40.58	12.75	33.93
PK	11.4813G	57.04	74.00	-16.96	19.38	3	Vertical	91	1.50	-	37.66	40.56	12.75	33.93