FCC Radio Test Report

FCC ID	:	**TVE-2417T212**
Equipment	:	**Secured Wireless Access Point**
Brand Name	:	**FORTINET**
Model Name	:	**FortiAP 221Exxxxxx, FORTIAP-221Exxxxxx, FAP-221E++xxxxxx, FortiAP 223Exxxxxx, FORTIAP-223Exxxxxx, FAP-223E++xxxxxx, (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)**
Applicant	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Manufacturer	:	**Fortinet, Inc. 899 Kifer Road, Sunnyvale, CA 94086, USA**
Standard	:	**47 CFR FCC Part 15.407**

The product was received on Apr. 30, 2021, and testing was started from May 11, 2021 and completed on Jun. 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 variant 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.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR142904-01AN	01	Initial issue of report	Sep. 29, 2021

Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
-	15.207	AC Power-line Conducted Emissions	Not Required	Refer to 1.1.5
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Conducted Output Power	PASS	-
3.3	15.407(a)	Peak Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
The EUT supports beamforming and CDD modes, and the CDD mode is the worse case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluateds the output power.

Reviewed by: Sam Tsai

Report Producer: Michelle Tsai

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]

Non Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	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
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
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

Beamforming

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT20-BF	20	2TX
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX
5.725-5.85GHz	802.11ac VHT20-BF	20	2TX
5.25-5.35GHz	802.11ac VHT40-BF	40	2TX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX
5.725-5.85GHz	802.11ac VHT40-BF	40	2TX
5.25-5.35GHz	802.11ac VHT80-BF	80	2TX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX
5.725-5.85GHz	802.11ac VHT80-BF	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

Internal Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Antenna Gain (dBi)		
					2.4GHz	5GHz	BLE
1	Senao	5718A0268300	PIFA	I-Pex	4.24	-	-
2	Senao	5718A0268300	PIFA	I-Pex	4.11	-	-
3	Senao	5718A0268300	PIFA	I-Pex	-	5.05	-
4	Senao	5718A0268300	PIFA	I-Pex	-	5.06	-
5	Senao	5718A0642300	Dipole	I-Pex	-	-	4.33

External Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Antenna Gain (dBi)			Cable Loss
					2.4GHz	5GHz	BLE	
1	YONG-SHUN	7102A0485000	Dipole	Reverse SMA	5	-	-	0.5
2	YONG-SHUN	7102A0485000	Dipole	Reverse SMA	5	-	-	0.5
3	YONG-SHUN	7102A0485000	Dipole	Reverse SMA	-	5	-	0.8
4	YONG-SHUN	7102A0485000	Dipole	Reverse SMA	-	5	-	0.7
5	Senao	5718A0642300	Dipole	I-Pex	-	-	4.33	-

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 BT function:

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

Ant. 5 (port 1) could transmit/receive.

For 5GHz function:

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

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From AC Adapter / PoE			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Outdoor/Indoor Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	
☐	Other:	

1.1.4 Table for Multiple Listing

Sample No.	Model Name	Description
1	FortiAP 221Exxxxxx FORTIAP-221Exxxxxx FAP-221E++xxxxxx	FAP-221E++ indicates that it comes with internal antennas and FAP-223E++ indicates that the access point comes with external antenna connectors. Series models serve different marketing.
2	FortiAP 223Exxxxxx FORTIAP-223Exxxxxx FAP-223E++xxxxxx	
where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software changes or marketing purposes only.		

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR142904AN
Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
U-NII-2A and U-NII-2C was added	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density and Unwanted Emissions above 1GHz

1.1.6 Mode Test Duty Cycle

Non Beamforming_Sample 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.962	0.17	2.029m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.984	0.07	4.961m	10
802.11n HT40_Nss1,(MCS0)_2TX	0.967	0.15	2.408m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.984	0.07	4.973m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.968	0.14	2.416m	1k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.926	0.33	1.136m	1k

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

Non Beamforming_Sample 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.961	0.17	2.029m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.984	0.07	4.961m	10
802.11n HT40_Nss1,(MCS0)_2TX	0.968	0.14	2.408m	1k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.985	0.07	4.973m	10
802.11ac VHT40_Nss1,(MCS0)_2TX	0.968	0.14	2.417m	1k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.935	0.29	1.137m	1k

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

Beamforming_Sample 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	0.984	0.07	4.973m	10
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	0.968	0.14	2.416m	1k
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	0.926	0.33	1.136m	1k

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

Beamforming_Sample 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	0.985	0.07	4.973m	10
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	0.968	0.14	2.417m	1k
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	0.935	0.29	1.137m	1k

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				
☒ 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. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
RF Conducted	TH06-HY	Johnny Yu	20.1~26.9°C / 50~60%	17/May/2021~18/Jun/2021
Radiated	03CH02-HY	Tony Chang	20.6~25.9°C / 51~63%	11/May/2021~18/Jun/2021
☐ 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.				

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**
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 Channel Mode

Test Software	QRCT V5.0.00188

Non Beamforming_Sample 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	17.5
5580MHz	18
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	18
5300MHz	17.5
5320MHz	18
5500MHz	18
5580MHz	18.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	20
5310MHz	14.5
5510MHz	16
5550MHz	21
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	18
5300MHz	17.5

Mode	Power Setting
5320MHz	18
5500MHz	18
5580MHz	18.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	20
5310MHz	14.5
5510MHz	16
5550MHz	21
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	13
5530MHz	15.5
5610MHz	20
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20

Non Beamforming_Sample 2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	19
5300MHz	19
5320MHz	18
5500MHz	16.5
5580MHz	19
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	19.5
5300MHz	19
5320MHz	18.5
5500MHz	16.5
5580MHz	19
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	14
5510MHz	14.5
5550MHz	18.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	19.5
5300MHz	19
5320MHz	18.5
5500MHz	16.5
5580MHz	19
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	20

Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	20
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	14
5510MHz	14.5
5550MHz	18.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	21
5710MHz Straddle 5.725-5.85GHz	21
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	14
5530MHz	14.5
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21

Beamforming_Sample 1

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5260MHz	18
5300MHz	17.5
5320MHz	18
5500MHz	18
5580MHz	18.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5270MHz	17
5310MHz	14.5
5510MHz	16
5550MHz	18
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5290MHz	13
5530MHz	15.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17

Beamforming_Sample 2

Mode	Power Setting
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-
5260MHz	19.5
5300MHz	19
5320MHz	18.5
5500MHz	16.5
5580MHz	19
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-
5270MHz	17.5
5310MHz	14
5510MHz	14.5
5550MHz	18.5
5670MHz	16.5
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-
5290MHz	14
5530MHz	14.5
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode > 1GHz	CTX		
1	PoE Mode_Sample 1		
2	PoE Mode_Sample 2		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT			V

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4G+ WLAN 5G+ Bluetooth
Refer to Sporton Test Report No.: FA142904-01 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
BRACKET CEILING MOUNT LOCK	Brand Name	MOST Technique Co., LTD.	Model Name	ABS PA757

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

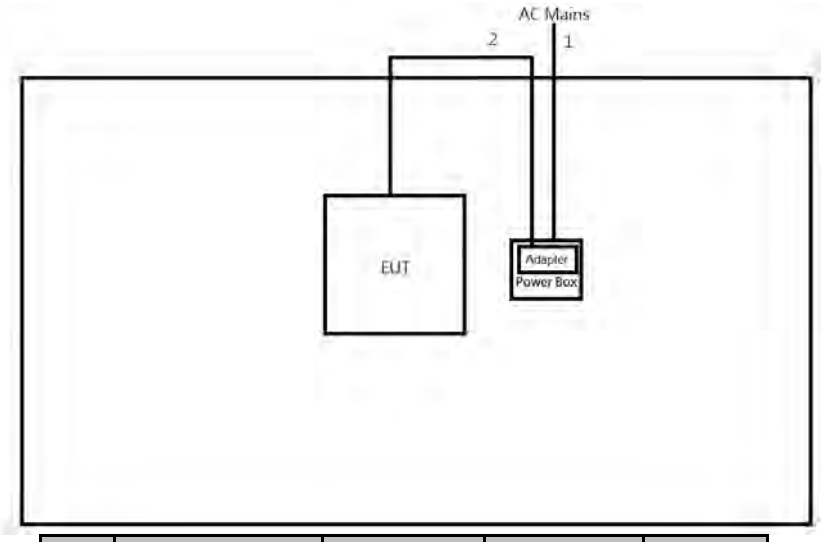
2.4 Support Equipment

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Adapter	APD	WA-30J12R	-	-
2	RJ45 Cable	Power Sync	CAT-6E-10	-	-
3	PoE	EnGenius	EPA5006GAT	-	Provided by Customer/ Remote
4	Notebook	HP	5220m	-	Remote

Support Equipment – Conducted					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	APD	WA-30J12R	-	-

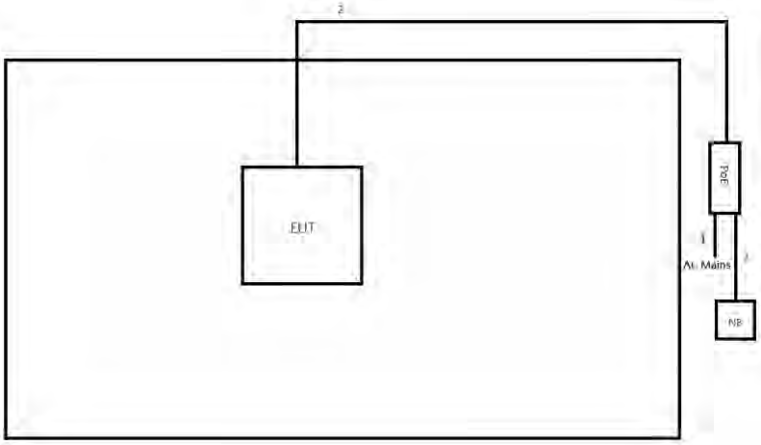
2.5 Test Setup Diagram

Test Setup Diagram – Radiated Test (Adapter Mode)



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

Test Setup Diagram – Radiated Test (PoE Mode)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	0.5	-
2	RJ45 cable	No	10.0	-
3	RJ45 cable	No	1.0	-

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit
UNII Devices
☐ For the 5.15-5.25 GHz band, N/A
☒ For the 5.25-5.35 GHz band, N/A
☒ For the 5.47-5.725 GHz band, N/A
☒ For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

3.1.2 Measuring Instruments

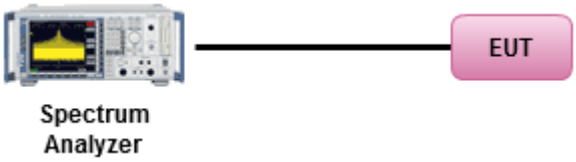
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
	☐ Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
	☐ Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.1.4 Test Setup

Emission Bandwidth



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Conducted Output Power

3.2.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒ 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 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).	
☒ 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 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).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.2.2 Measuring Instruments

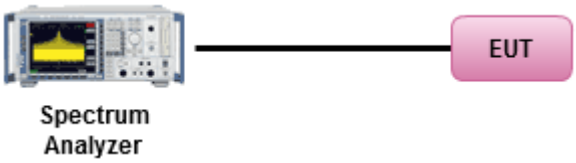
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☒ 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
	☒ Refer as KDB 789033, clause E Method PM (using an RF average power meter).
▪ For conducted measurement.	
	▪ 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.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup

RF Output Power (Spectrum Analyzer)



RF Output Power (Power Meter)

3.2.5 Test Result of Maximum Conducted Output Power

Refer as Appendix B

3.3 Peak Power Spectral Density

3.3.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = 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 **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

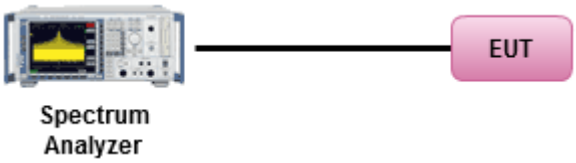
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method		
▪ 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:		
	☒ 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%	
	☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
	Duty cycle < 98%	
	☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
▪ For conducted measurement.		
	▪ If the EUT supports multiple transmit chains using options given below:	
		▪ 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.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup

Power Spectral Density


3.3.5 Test Result of Peak Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 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).	

3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

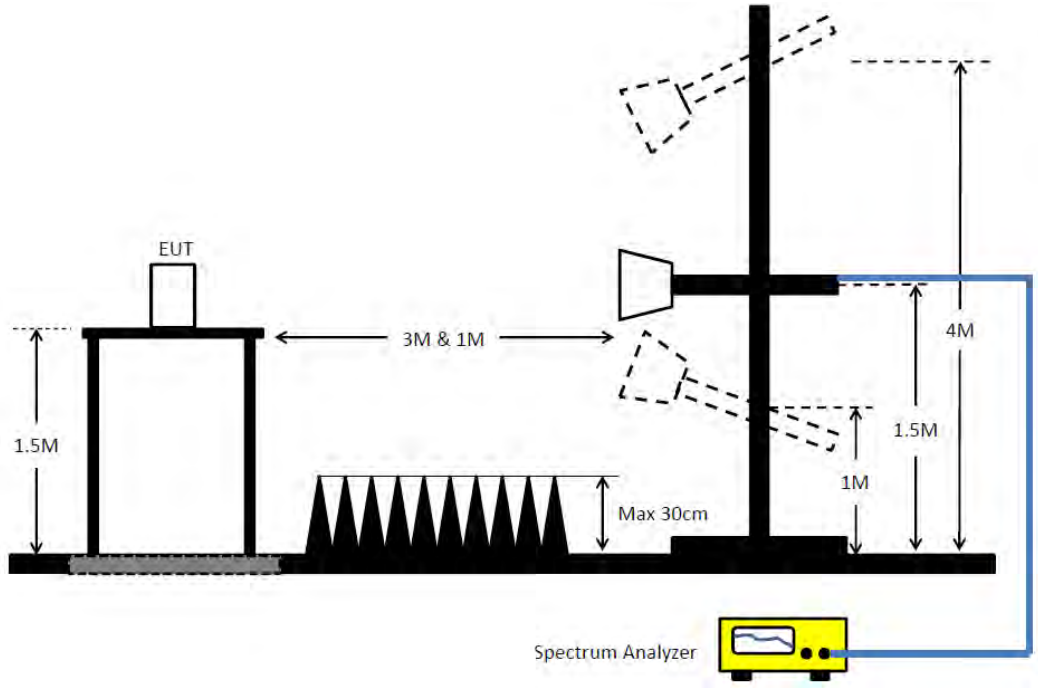
Test Method
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies 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).
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ For the transmitter unwanted emissions shall be measured using following options below:
▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
▪ For radiated measurement.
▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
▪ The any unwanted emissions level shall not exceed the fundamental emission level.
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
▪ Use the following spectrum analyzer settings:
▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪ 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.
▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

3.4.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.4.5 Test Setup

Above 1GHz



3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument for Radiated Test

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	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	12/Mar/2021	11/Mar/2022
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Microwave Preamplifier with 10 dB Pad	EMC	EMC051845 & WK0602-10	980240 & 01	1GHz ~ 18GHz	05/Jan/2021	04/Jan/2022
Double ridged Guide Horn Antenna	COM-POWER	POWER AH-118	10094	1GHz~18GHz	08/Jul/2020	07/Jul/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192 /4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2021	24/Mar/2022
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2021	24/Mar/2022

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.47M	16.462M	16M5D1D	18.45M	16.252M
802.11n HT20_Nss1,(MCS0)_2TX	20.37M	17.691M	17M7D1D	19.14M	17.181M
802.11n HT40_Nss1,(MCS0)_2TX	39.6M	36.522M	36M5D1D	39.48M	36.102M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.4M	17.691M	17M7D1D	19.23M	17.241M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.78M	36.582M	36M6D1D	39.48M	36.102M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.88M	76.642M	76M6D1D	83.16M	76.282M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.56M	16.552M	16M6D1D	14.505M	13.208M
802.11n HT20_Nss1,(MCS0)_2TX	20.4M	17.751M	17M8D1D	15M	13.868M
802.11n HT40_Nss1,(MCS0)_2TX	64.44M	36.282M	36M3D1D	35.14M	32.919M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.49M	17.751M	17M8D1D	15.135M	13.838M
802.11ac VHT40_Nss1,(MCS0)_2TX	74.28M	36.282M	36M3D1D	38.94M	32.954M
802.11ac VHT80_Nss1,(MCS0)_2TX	122.04M	76.282M	76M3D1D	76.725M	72.489M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.16M	3.618M	3M62D1D	3.16M	3.438M
802.11n HT20_Nss1,(MCS0)_2TX	3.78M	4.058M	4M06D1D	3.76M	3.998M
802.11n HT40_Nss1,(MCS0)_2TX	3.1M	20.25M	20M2D1D	2.88M	11.794M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.8M	4.118M	4M12D1D	3.78M	3.958M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.14M	21.529M	21M5D1D	3.12M	15.112M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.14M	32.484M	32M5D1D	3.14M	17.471M

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

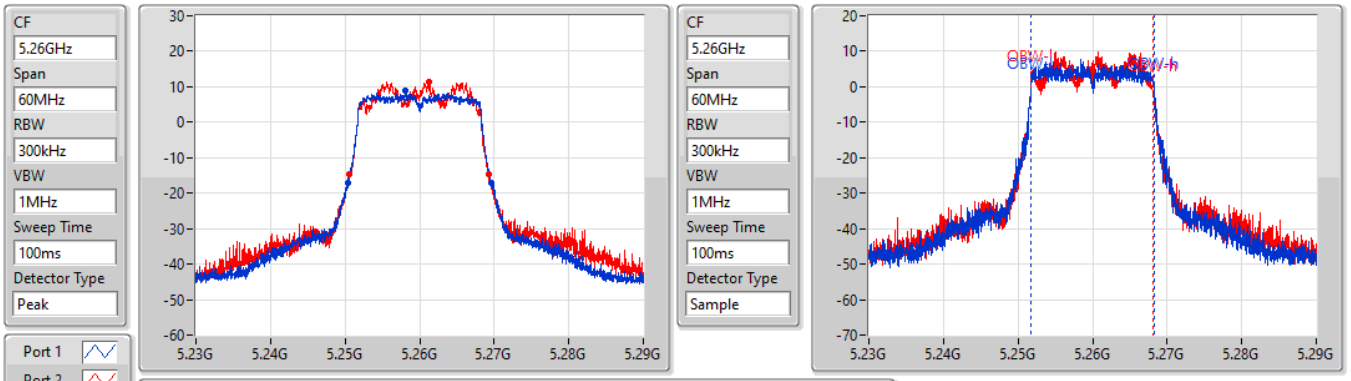
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.23M	16.462M	18.63M	16.252M
5300MHz	Pass	Inf	19.44M	16.462M	18.48M	16.312M
5320MHz	Pass	Inf	19.47M	16.462M	18.45M	16.312M
5500MHz	Pass	Inf	19.26M	16.432M	19.14M	16.462M
5580MHz	Pass	Inf	19.56M	16.402M	19.11M	16.492M
5700MHz	Pass	Inf	19.38M	16.462M	18.99M	16.552M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.625M	13.223M	14.505M	13.208M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.438M	3.16M	3.618M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.28M	17.691M	19.47M	17.331M
5300MHz	Pass	Inf	20.37M	17.661M	19.14M	17.181M
5320MHz	Pass	Inf	20.31M	17.661M	19.38M	17.211M
5500MHz	Pass	Inf	20.19M	17.631M	20.22M	17.721M
5580MHz	Pass	Inf	20.28M	17.691M	20.16M	17.721M
5700MHz	Pass	Inf	20.4M	17.691M	20.25M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15M	13.868M	15.195M	13.898M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	3.998M	3.76M	4.058M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.6M	36.222M	39.6M	36.522M
5310MHz	Pass	Inf	39.54M	36.102M	39.48M	36.522M
5510MHz	Pass	Inf	39.48M	36.222M	38.94M	35.862M
5550MHz	Pass	Inf	40.62M	36.282M	64.44M	36.162M
5670MHz	Pass	Inf	39.42M	36.042M	39M	35.862M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.14M	32.954M	48.755M	32.919M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	11.794M	2.88M	20.25M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.28M	17.661M	19.44M	17.361M
5300MHz	Pass	Inf	20.37M	17.661M	19.32M	17.301M
5320MHz	Pass	Inf	20.4M	17.691M	19.23M	17.241M
5500MHz	Pass	Inf	20.19M	17.631M	20.16M	17.751M
5580MHz	Pass	Inf	20.49M	17.691M	20.4M	17.751M
5700MHz	Pass	Inf	20.46M	17.691M	20.34M	17.751M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.135M	13.838M	15.225M	13.913M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.78M	3.958M	3.8M	4.118M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.54M	36.102M	39.48M	36.522M
5310MHz	Pass	Inf	39.66M	36.162M	39.78M	36.582M
5510MHz	Pass	Inf	39.66M	36.222M	38.94M	35.802M
5550MHz	Pass	Inf	48.84M	36.282M	74.28M	36.282M
5670MHz	Pass	Inf	39.36M	36.102M	39.06M	35.802M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	41.825M	32.954M	50.68M	33.023M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	15.112M	3.12M	21.529M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	83.88M	76.282M	83.16M	76.642M
5530MHz	Pass	Inf	84M	76.162M	82.44M	75.562M
5610MHz	Pass	Inf	83.52M	76.282M	122.04M	76.042M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	72.789M	86.7M	72.489M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	17.471M	3.14M	32.484M

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

5260MHz

16/06/2021

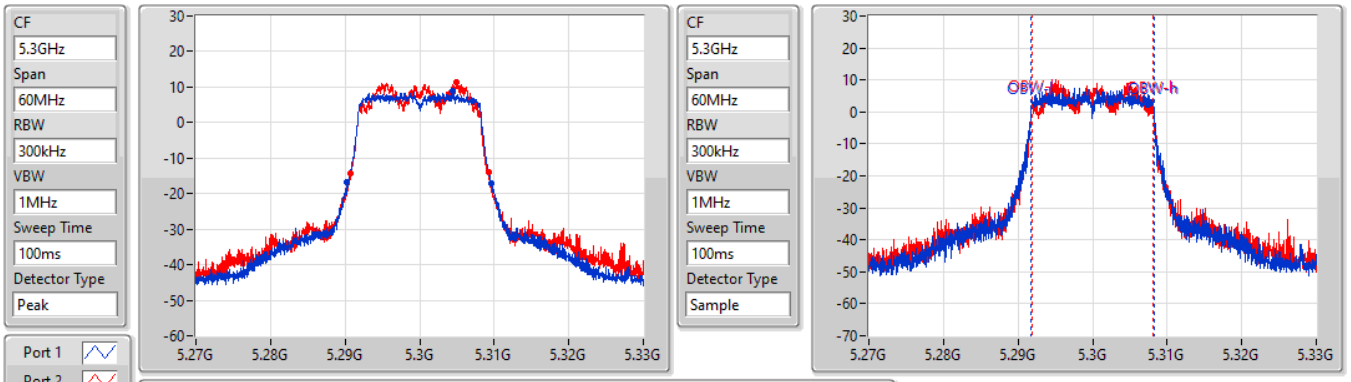


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.23M	5.25037G	5.2696G	16.462M	5.251754G	5.268216G	Inf	1
18.63M	5.25061G	5.26924G	16.252M	5.251784G	5.268036G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

16/06/2021

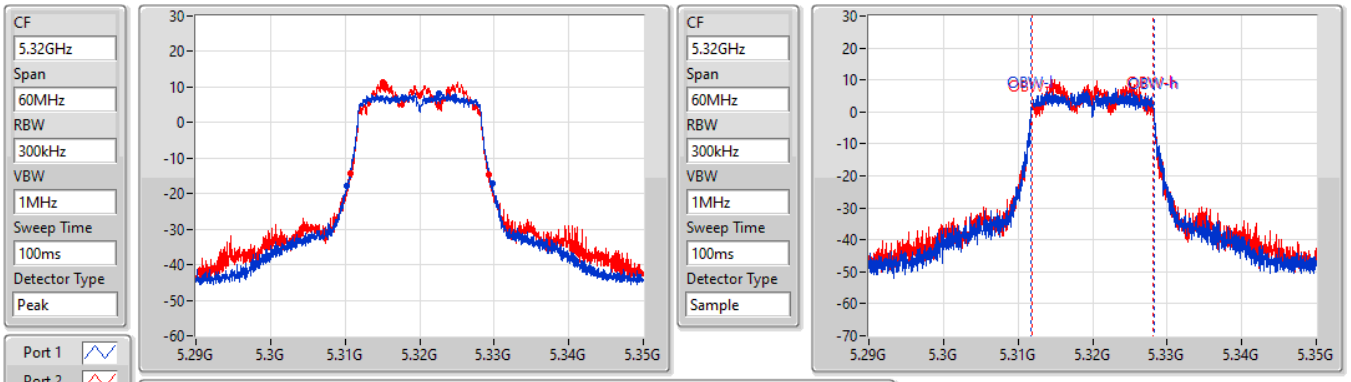


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.44M	5.29025G	5.30969G	16.462M	5.291754G	5.308216G	Inf	1
18.48M	5.29076G	5.30924G	16.312M	5.291814G	5.308126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

16/06/2021

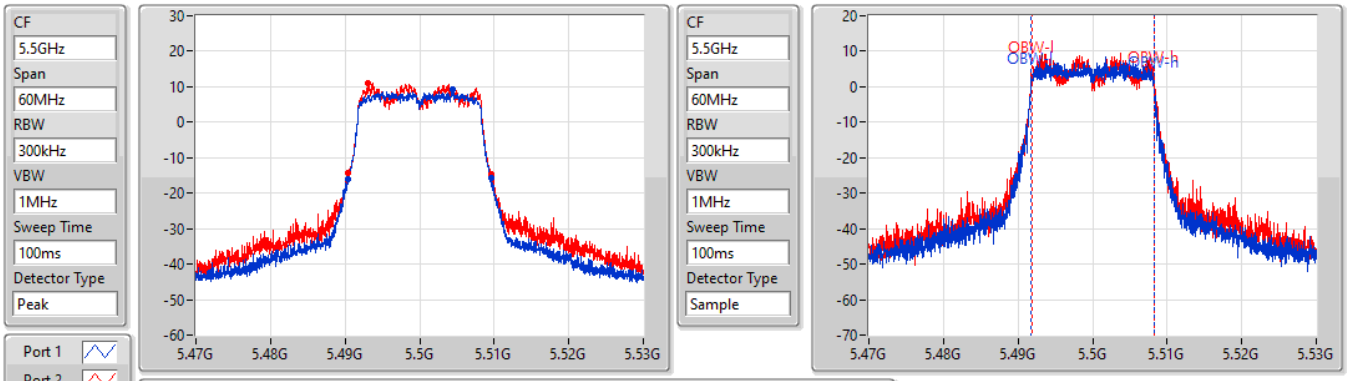


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.47M	5.31028G	5.32975G	16.462M	5.311754G	5.328216G	Inf	1
18.45M	5.31079G	5.32924G	16.312M	5.311814G	5.328126G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

16/06/2021

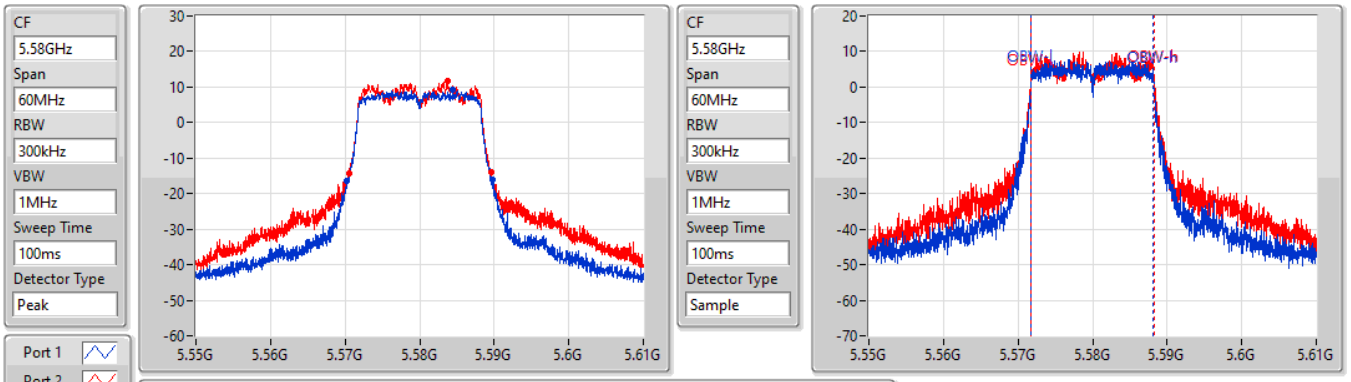


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.26M	5.49043G	5.50969G	16.432M	5.491784G	5.508216G	Inf	1
19.14M	5.49043G	5.50957G	16.462M	5.491814G	5.508276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

16/06/2021

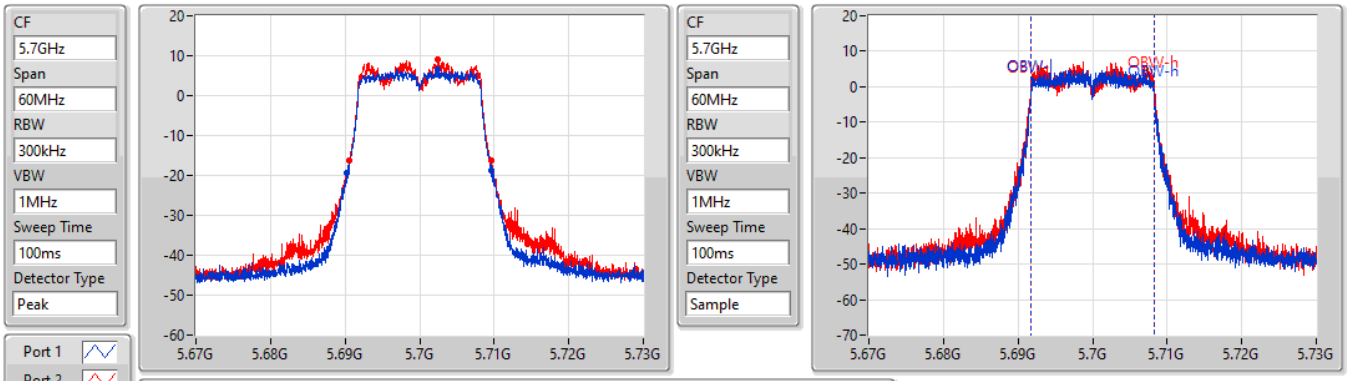


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.56M	5.57028G	5.58984G	16.402M	5.571784G	5.588186G	Inf	1
19.11M	5.57052G	5.58963G	16.492M	5.571784G	5.588276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

16/06/2021

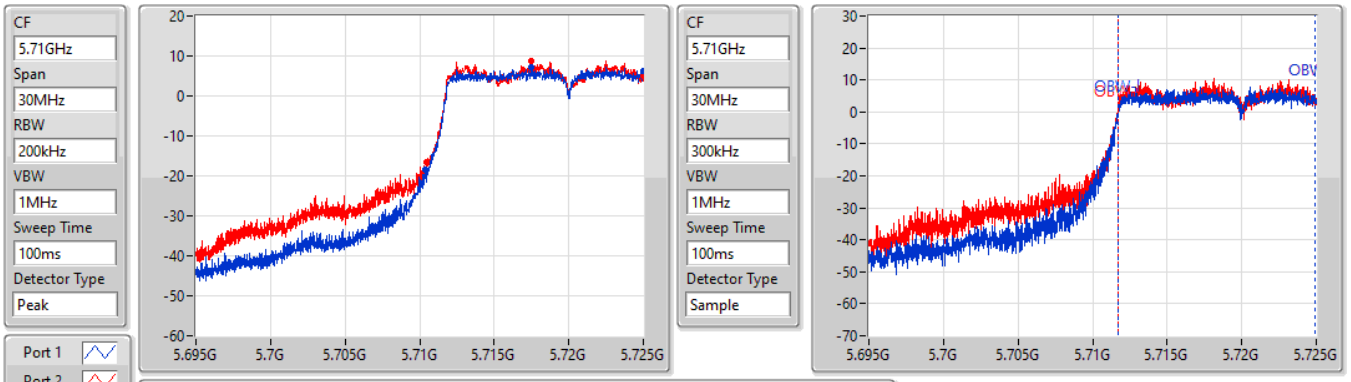


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.38M	5.69025G	5.70963G	16.462M	5.691754G	5.708216G	Inf	1
18.99M	5.69058G	5.70957G	16.552M	5.691724G	5.708276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

16/06/2021

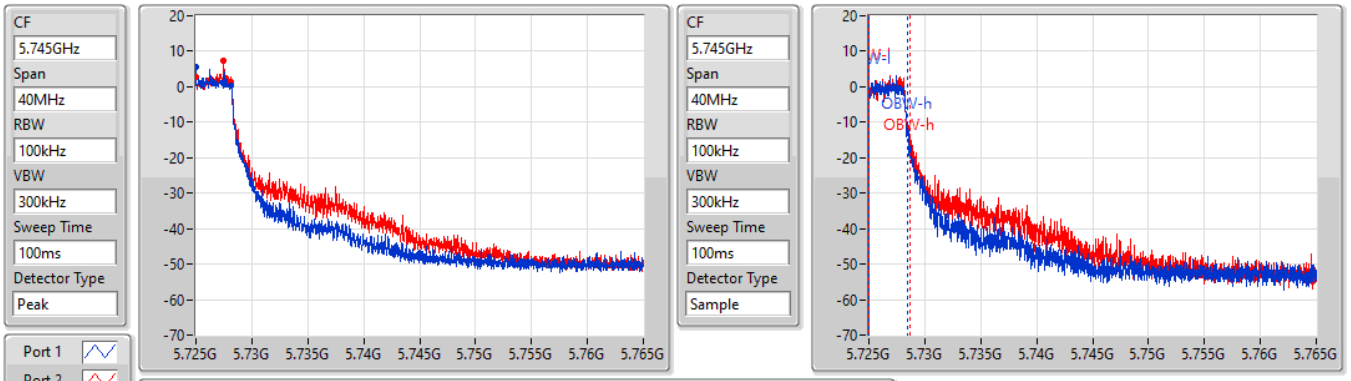


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.625M	5.710375G	5.725G	13.223M	5.711694G	5.724918G	Inf	1
14.505M	5.710495G	5.725G	13.208M	5.711694G	5.724903G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

16/06/2021

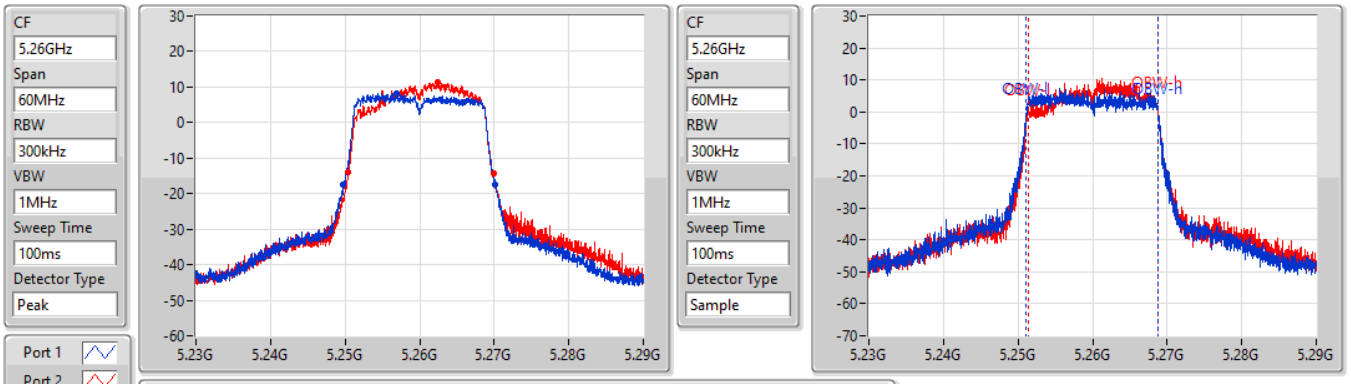


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.16M	5.725G	5.72816G	3.438M	5.72501G	5.728448G	500k	1
3.16M	5.725G	5.72816G	3.618M	5.72501G	5.728628G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5260MHz

16/06/2021

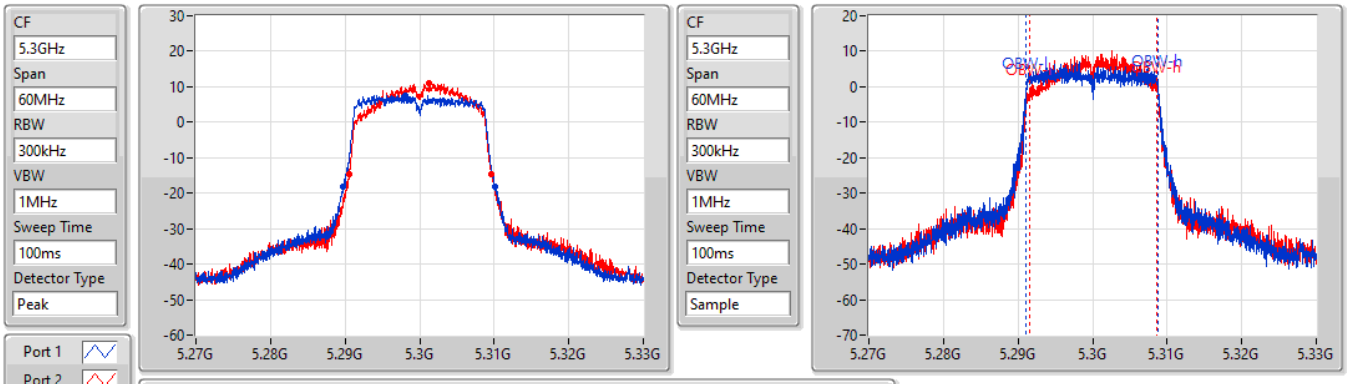


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.2498G	5.27008G	17.691M	5.251124G	5.268816G	Inf	1
19.47M	5.25043G	5.2699G	17.331M	5.251394G	5.268726G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5300MHz

16/06/2021

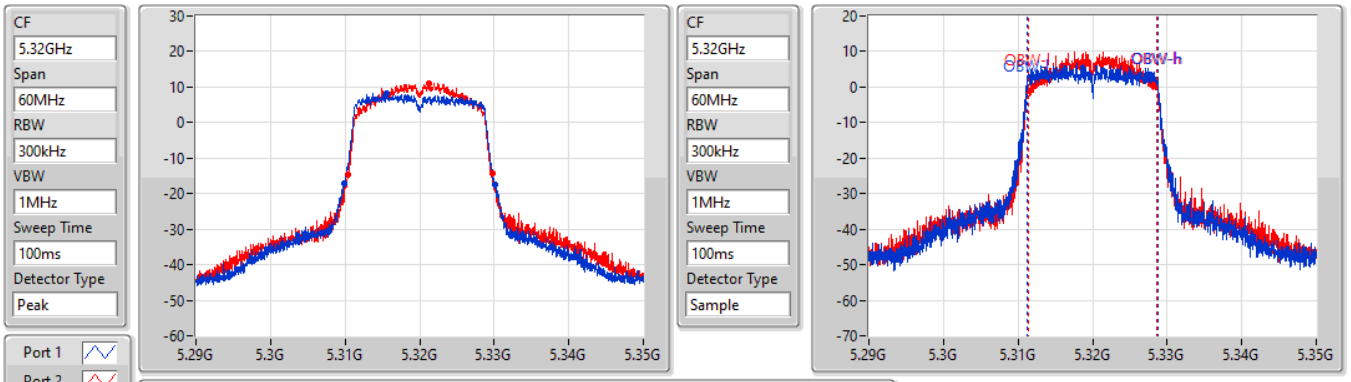


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.37M	5.28977G	5.31014G	17.661M	5.291124G	5.308786G	Inf	1
19.14M	5.29052G	5.30966G	17.181M	5.291484G	5.308666G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5320MHz

16/06/2021

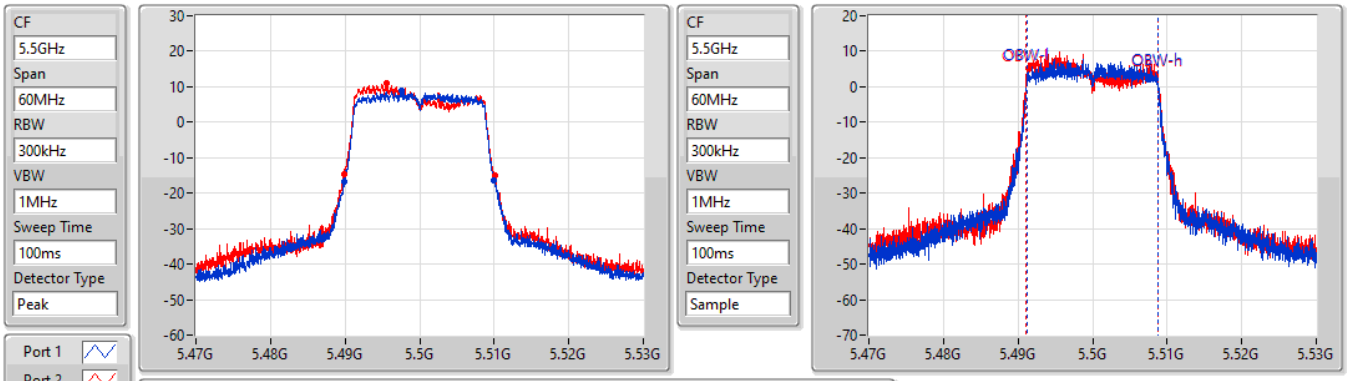


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.31M	5.30986G	5.33017G	17.661M	5.311154G	5.328816G	Inf	1
19.38M	5.31037G	5.32975G	17.211M	5.311394G	5.328606G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5500MHz

16/06/2021

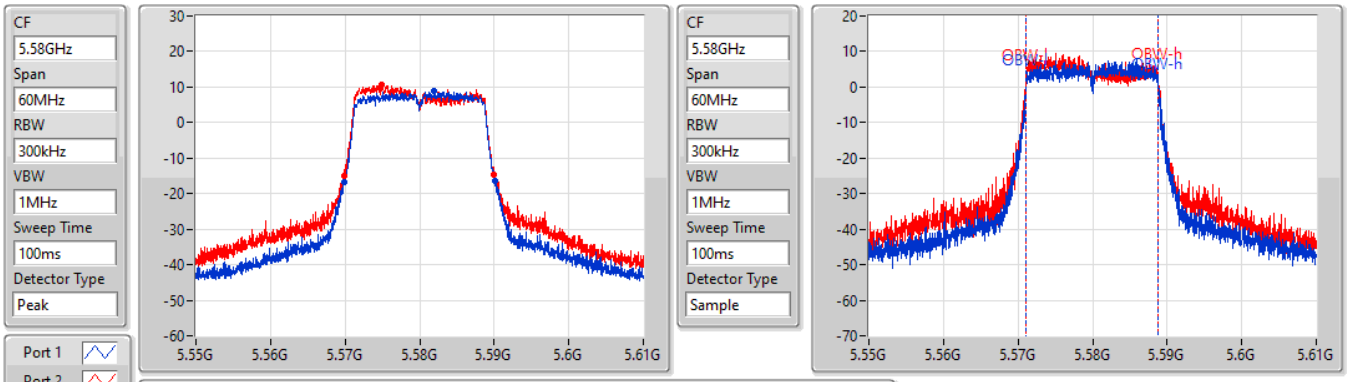


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.19M	5.48983G	5.51002G	17.631M	5.491154G	5.508786G	Inf	1
20.22M	5.48983G	5.51005G	17.721M	5.491094G	5.508816G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5580MHz

16/06/2021

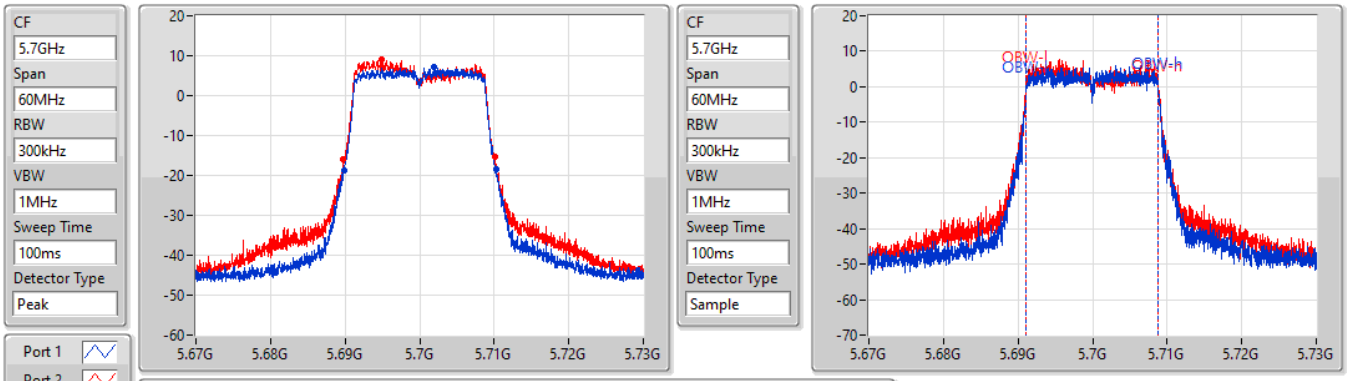


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.56986G	5.59014G	17.691M	5.571124G	5.588816G	Inf	1
20.16M	5.56986G	5.59002G	17.721M	5.571094G	5.588816G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5700MHz

16/06/2021

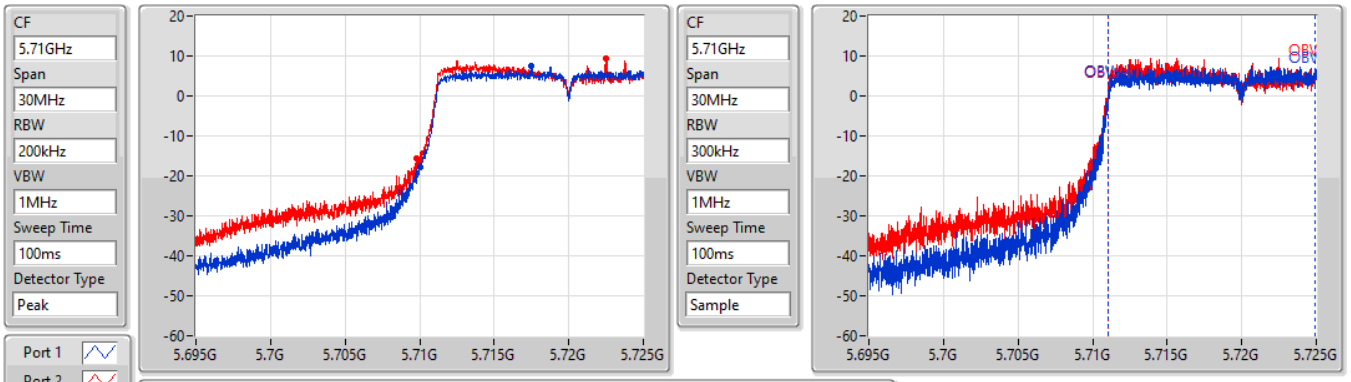


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.68983G	5.71023G	17.691M	5.691124G	5.708816G	Inf	1
20.25M	5.6898G	5.71005G	17.751M	5.691094G	5.708846G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

16/06/2021

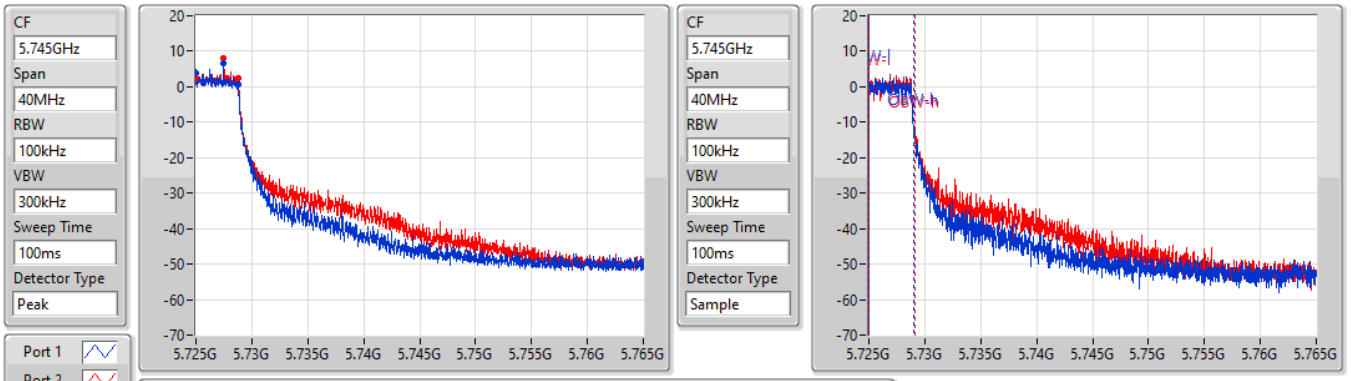


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.71G	5.725G	13.868M	5.711079G	5.724948G	Inf	1
15.195M	5.709805G	5.725G	13.898M	5.711019G	5.724918G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

16/06/2021

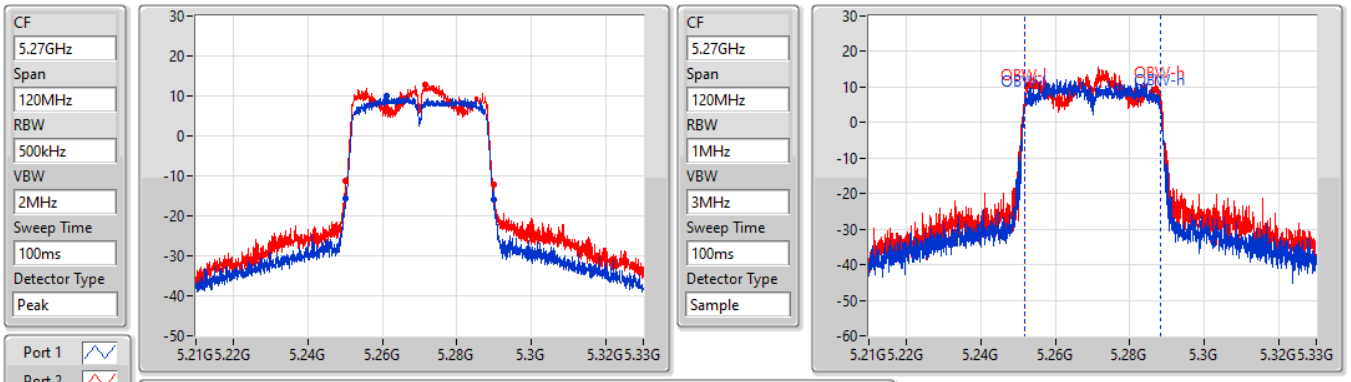


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	3.998M	5.72501G	5.729008G	500k	1
3.76M	5.725G	5.72876G	4.058M	5.72501G	5.729068G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5270MHz

16/06/2021

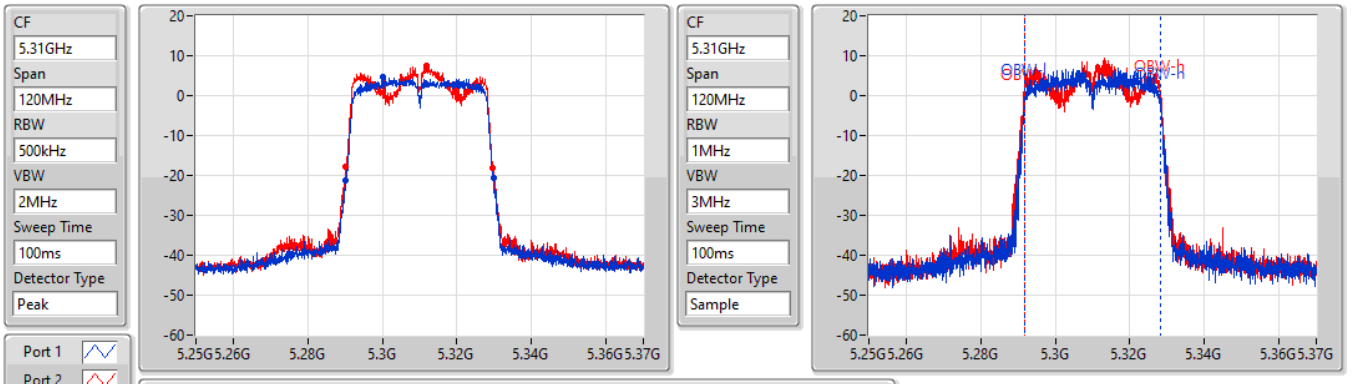


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2502G	5.2898G	36.222M	5.251889G	5.288111G	Inf	1
39.6M	5.25026G	5.28986G	36.522M	5.251709G	5.288231G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5310MHz

16/06/2021

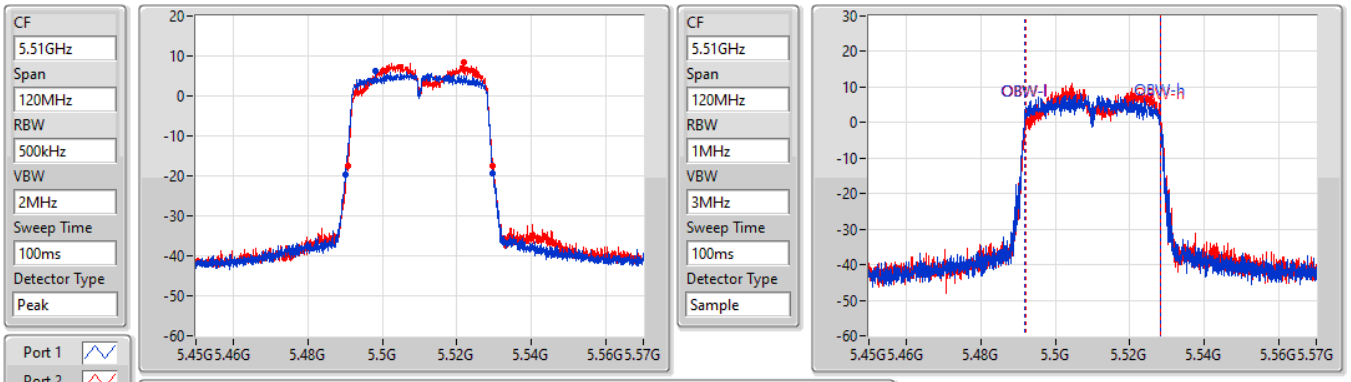


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.54M	5.2902G	5.32974G	36.102M	5.291949G	5.328051G	Inf	1
39.48M	5.29014G	5.32962G	36.522M	5.291649G	5.328171G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5510MHz

16/06/2021

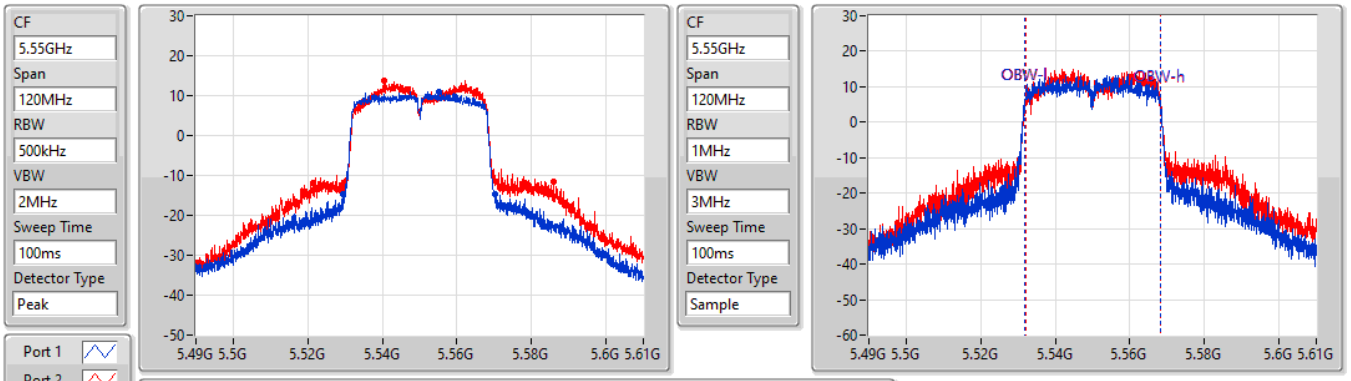


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.48M	5.4902G	5.52968G	36.222M	5.491829G	5.528051G	Inf	1
38.94M	5.49068G	5.52962G	35.862M	5.492189G	5.528051G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5550MHz

16/06/2021

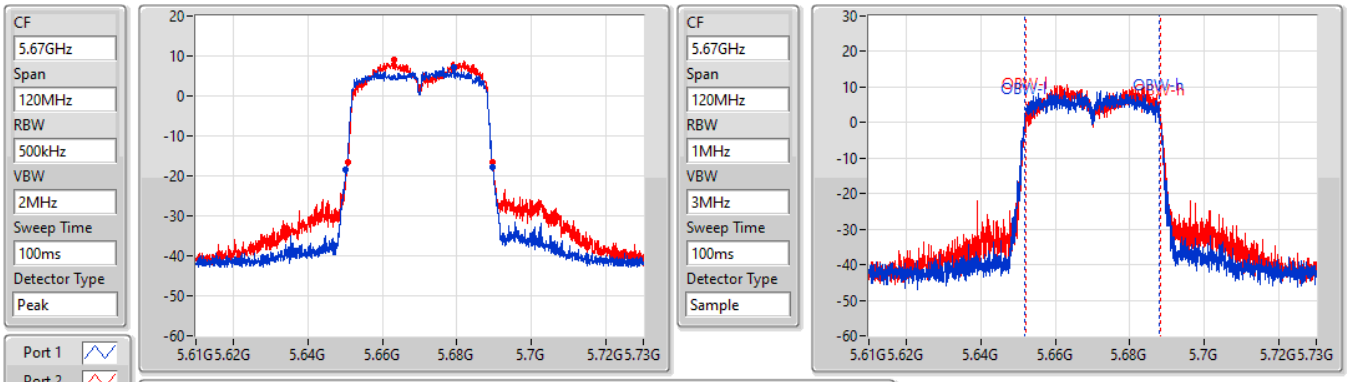


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.52954G	5.57016G	36.282M	5.531769G	5.568051G	Inf	1
64.44M	5.52144G	5.58588G	36.162M	5.532009G	5.568171G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5670MHz

16/06/2021

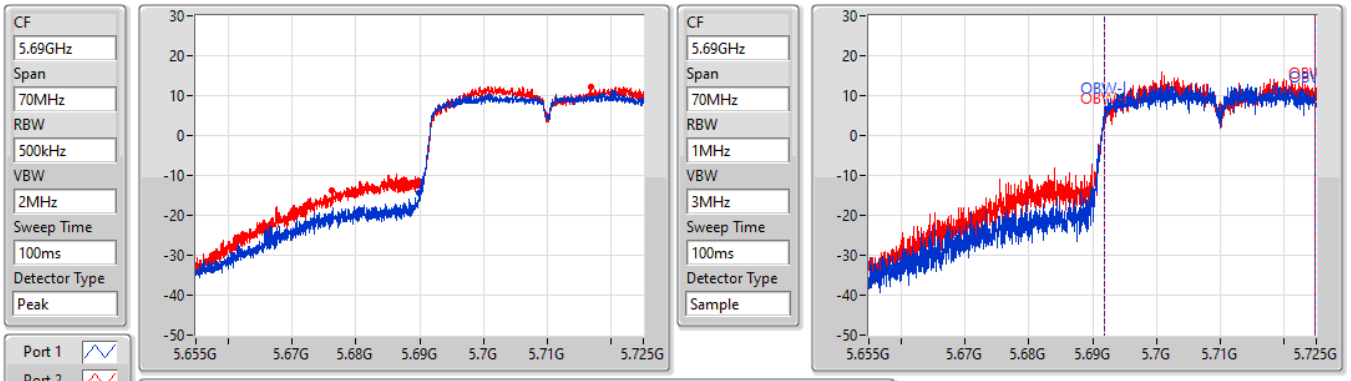


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.42M	5.65026G	5.68968G	36.042M	5.651949G	5.687991G	Inf	1
39M	5.65062G	5.68962G	35.862M	5.652189G	5.688051G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

16/06/2021

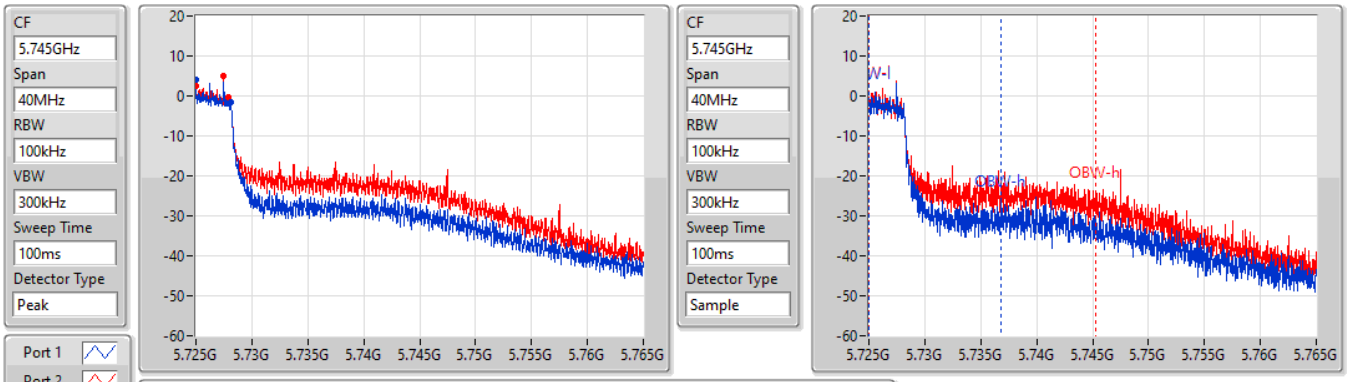


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.14M	5.68986G	5.725G	32.954M	5.691854G	5.724808G	Inf	1
48.755M	5.676245G	5.725G	32.919M	5.691889G	5.724808G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

16/06/2021

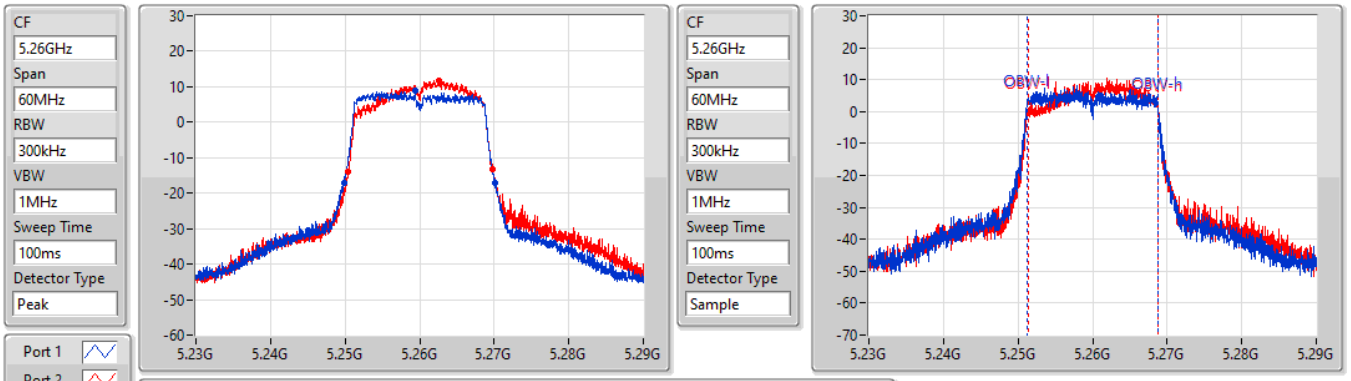


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	11.794M	5.72501G	5.736804G	500k	1
2.88M	5.725G	5.72788G	20.25M	5.72501G	5.74526G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5260MHz

16/06/2021

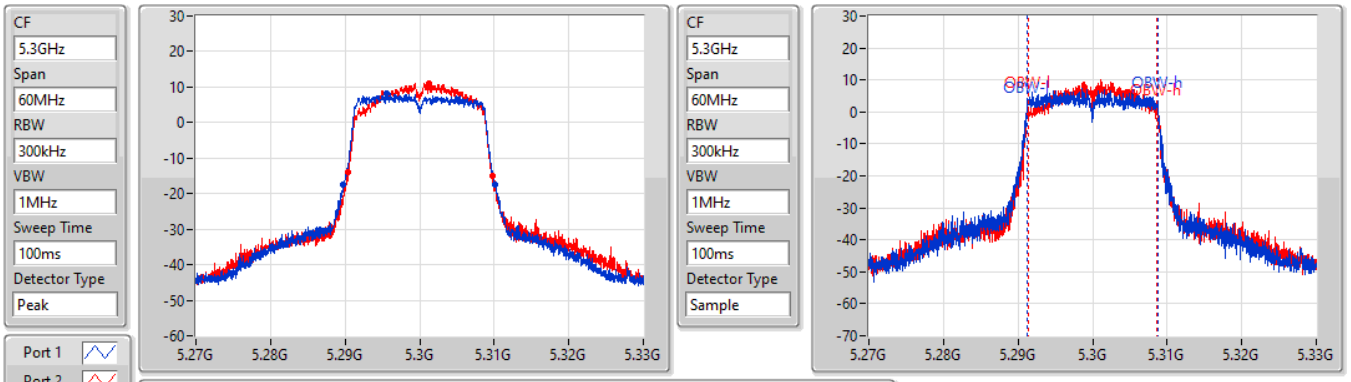


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.24983G	5.27011G	17.661M	5.251154G	5.268816G	Inf	1
19.44M	5.2504G	5.26984G	17.361M	5.251364G	5.268726G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5300MHz

16/06/2021

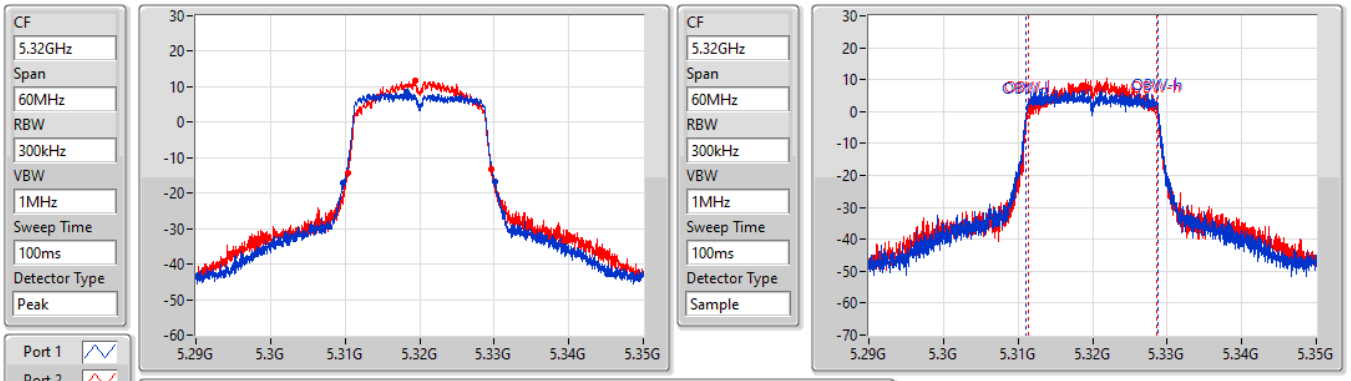


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.37M	5.2898G	5.31017G	17.661M	5.291154G	5.308816G	Inf	1
19.32M	5.2904G	5.30972G	17.301M	5.291364G	5.308666G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5320MHz

16/06/2021

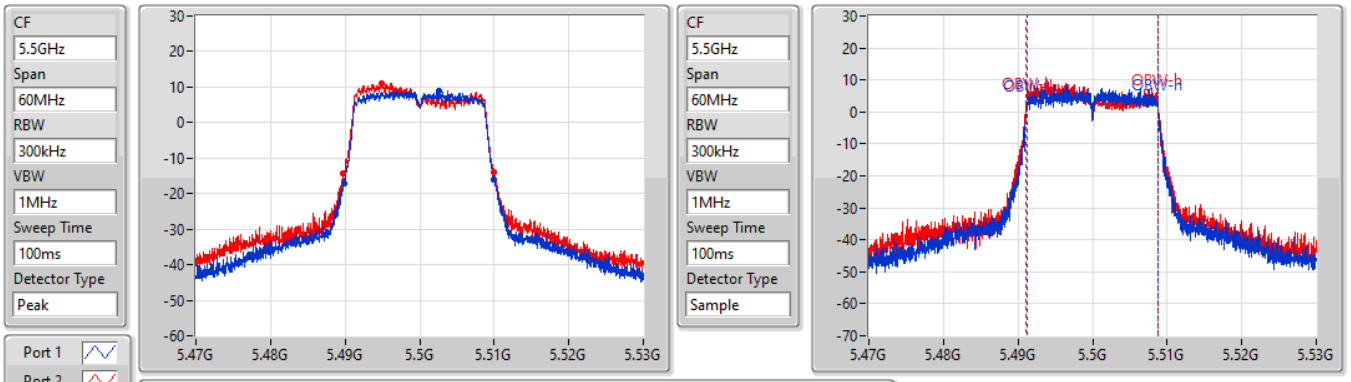


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.4M	5.30971G	5.33011G	17.691M	5.311124G	5.328816G	Inf	1
19.23M	5.3104G	5.32963G	17.241M	5.311364G	5.328606G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5500MHz

16/06/2021

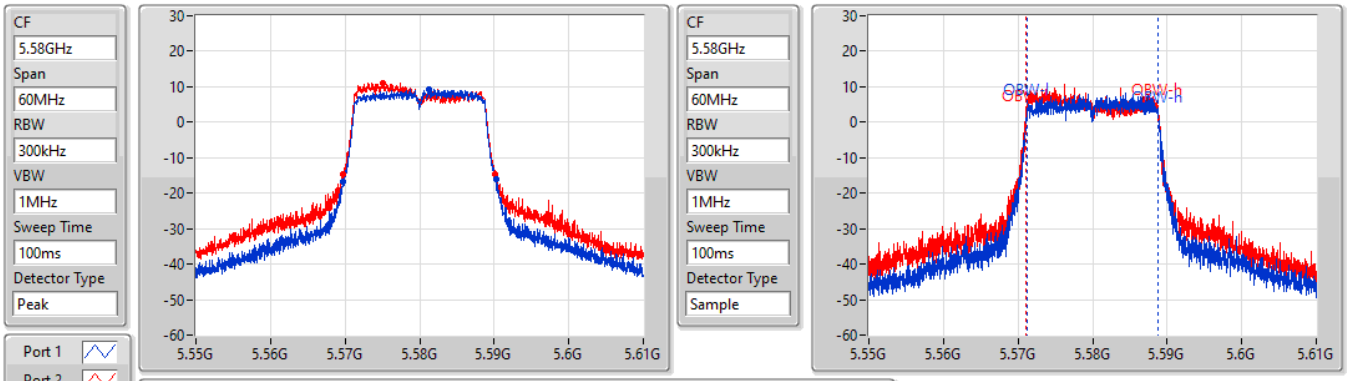


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.19M	5.48983G	5.51002G	17.631M	5.491154G	5.508786G	Inf	1
20.16M	5.4898G	5.50996G	17.751M	5.491064G	5.508816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5580MHz

16/06/2021

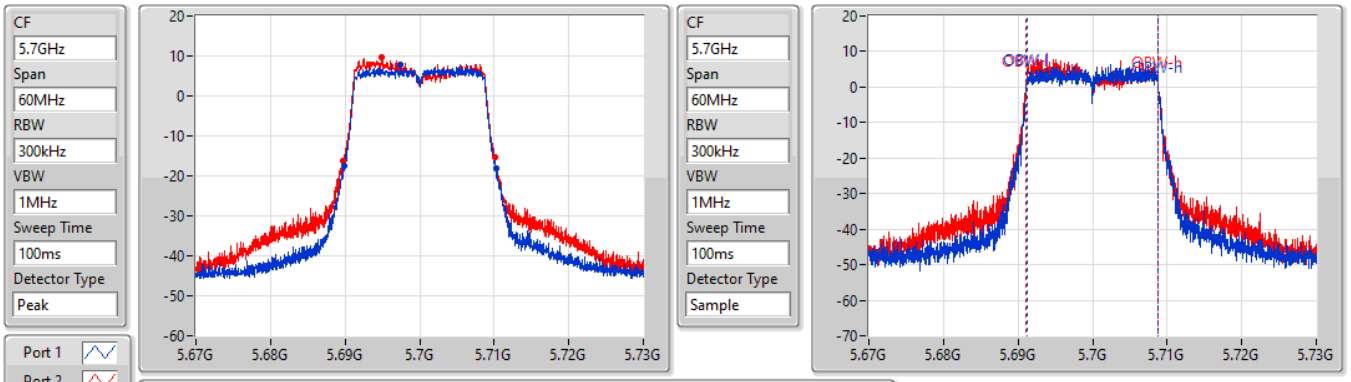


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.49M	5.56974G	5.59023G	17.691M	5.571154G	5.588846G	Inf	1
20.4M	5.56977G	5.59017G	17.751M	5.571064G	5.588816G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5700MHz

16/06/2021

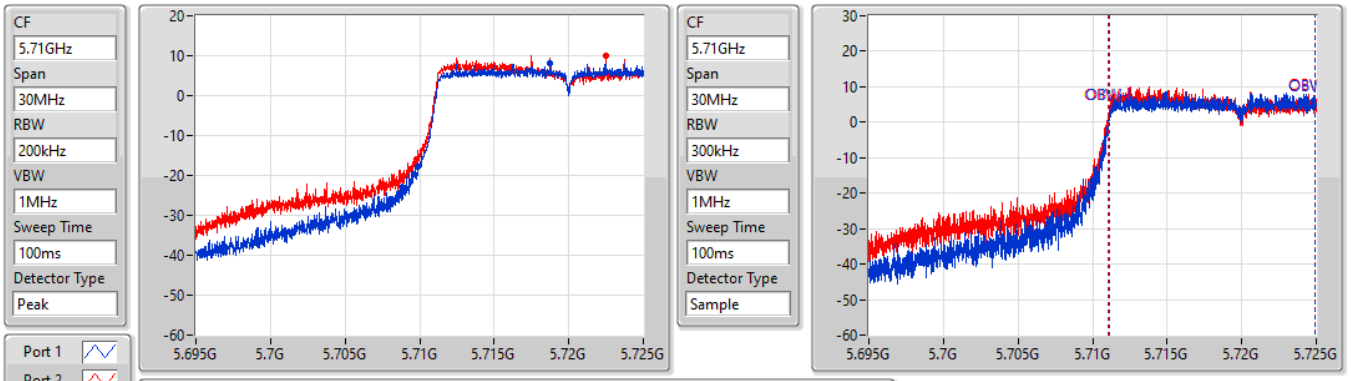


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.68986G	5.71032G	17.691M	5.691154G	5.708846G	Inf	1
20.34M	5.6898G	5.71014G	17.751M	5.691094G	5.708846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

16/06/2021

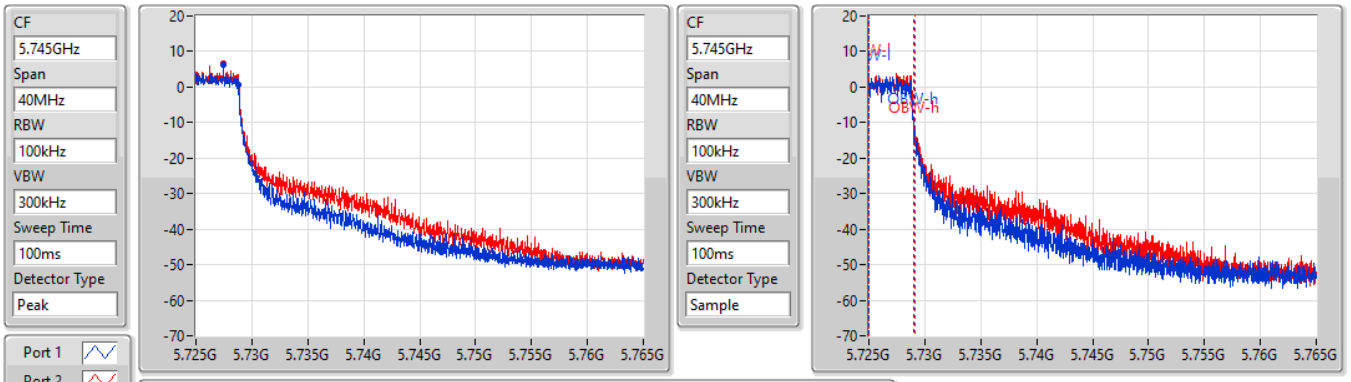


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.135M	5.709865G	5.725G	13.838M	5.711094G	5.724933G	Inf	1
15.225M	5.709775G	5.725G	13.913M	5.711004G	5.724918G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

16/06/2021

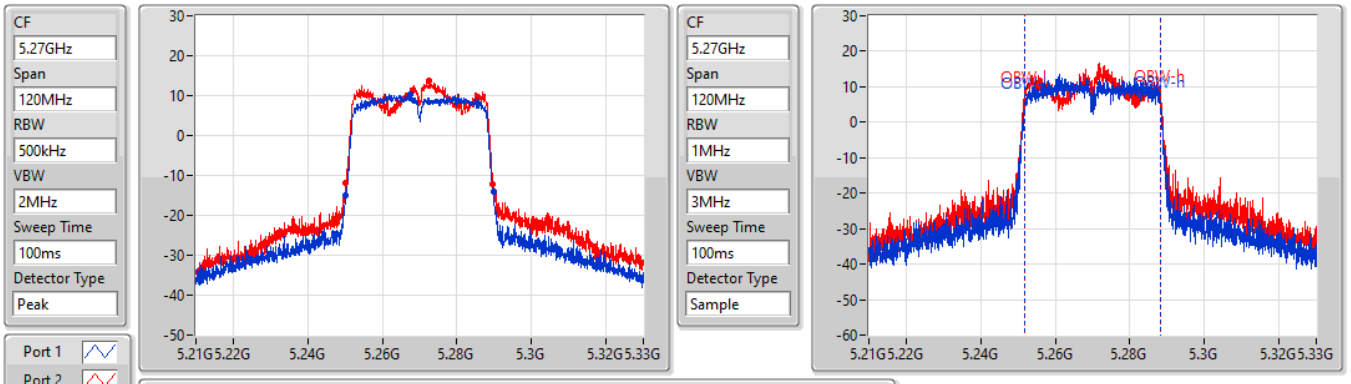


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	3.958M	5.72501G	5.728968G	500k	1
3.8M	5.725G	5.7288G	4.118M	5.72501G	5.729128G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5270MHz

16/06/2021

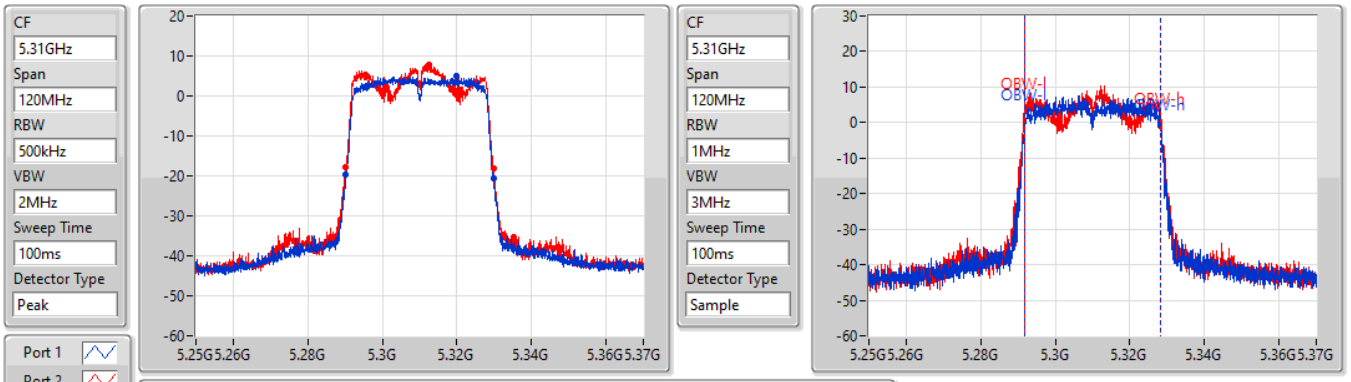


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.54M	5.2502G	5.28974G	36.102M	5.251949G	5.288051G	Inf	1
39.48M	5.2502G	5.28968G	36.522M	5.251709G	5.288231G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5310MHz

16/06/2021

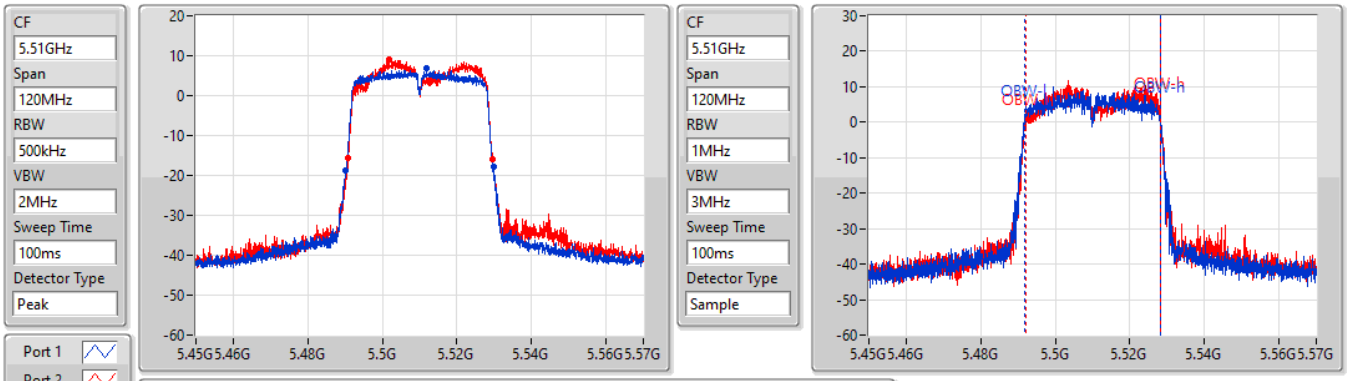


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.66M	5.29026G	5.32992G	36.162M	5.291889G	5.328051G	Inf	1
39.78M	5.29014G	5.32992G	36.582M	5.291649G	5.328231G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5510MHz

16/06/2021

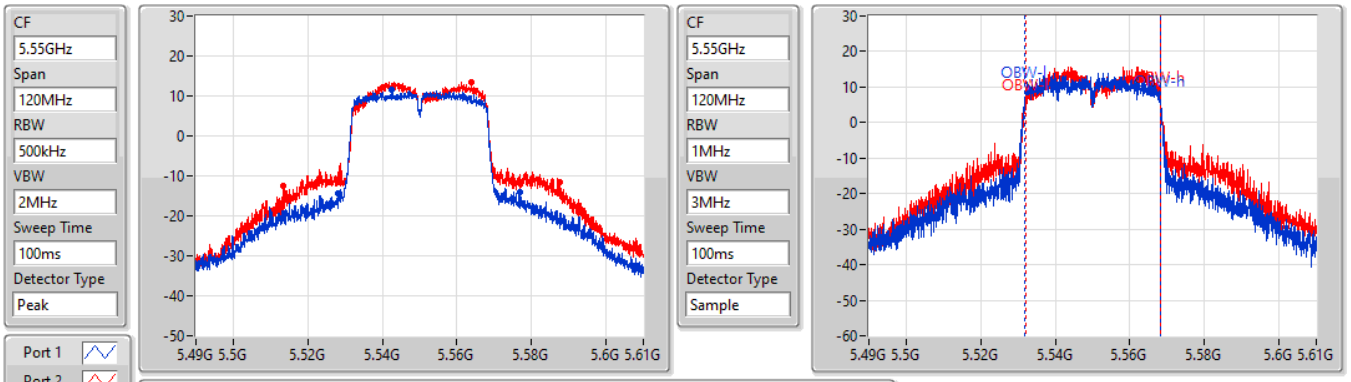


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.66M	5.4902G	5.52986G	36.222M	5.491829G	5.528051G	Inf	1
38.94M	5.49074G	5.52968G	35.802M	5.492249G	5.528051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5550MHz

16/06/2021

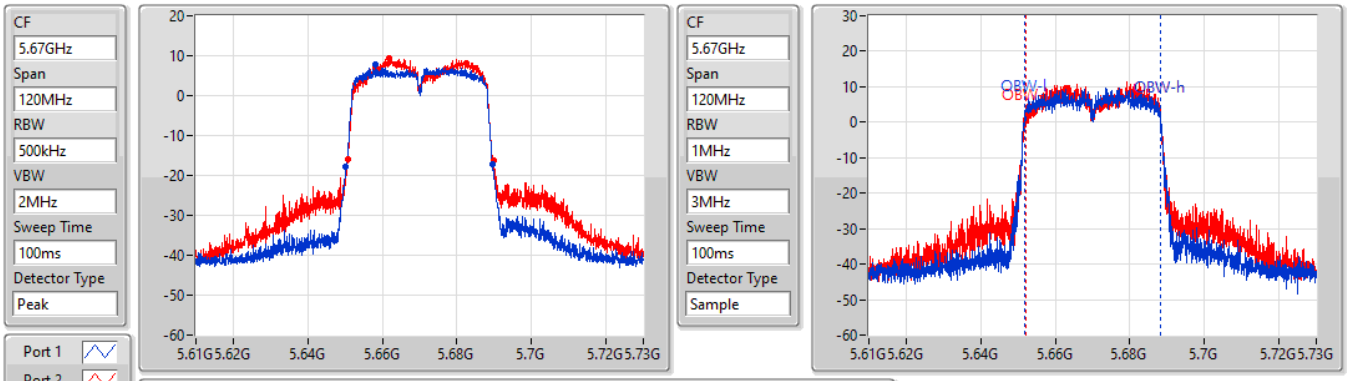


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.84M	5.52804G	5.57688G	36.282M	5.531829G	5.568111G	Inf	1
74.28M	5.51334G	5.58762G	36.282M	5.532009G	5.568291G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5670MHz

16/06/2021

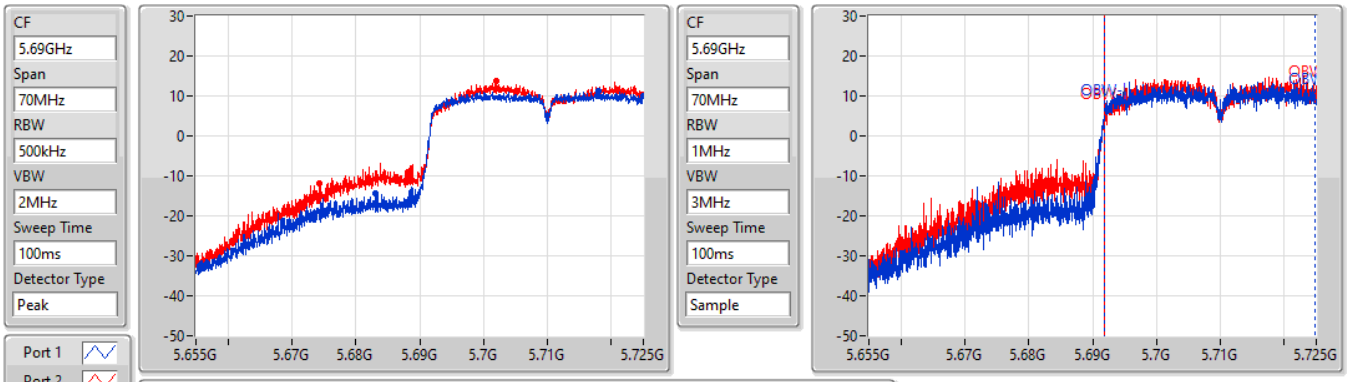


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.36M	5.65026G	5.68962G	36.102M	5.651949G	5.688051G	Inf	1
39.06M	5.65068G	5.68974G	35.802M	5.652249G	5.688051G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

16/06/2021

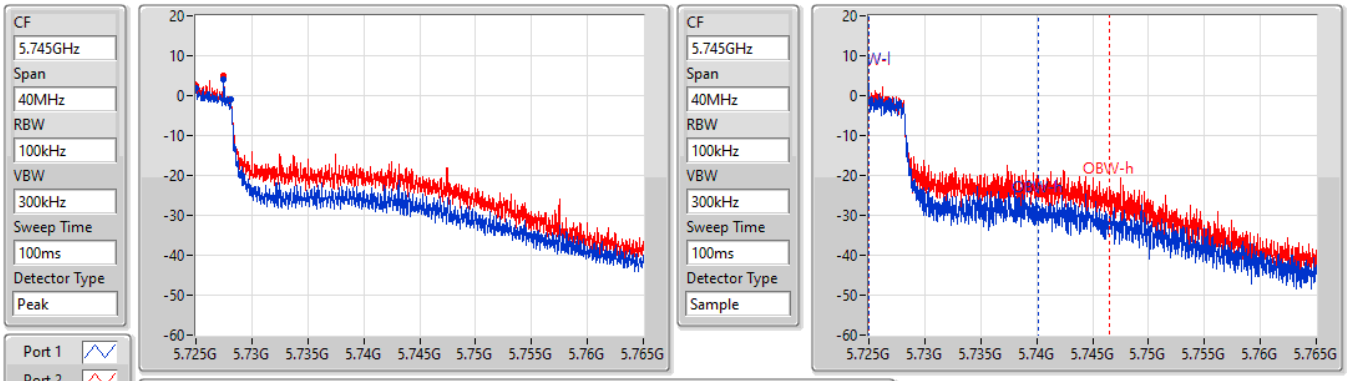


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.825M	5.683175G	5.725G	32.954M	5.691854G	5.724808G	Inf	1
50.68M	5.67432G	5.725G	33.023M	5.691819G	5.724843G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

16/06/2021

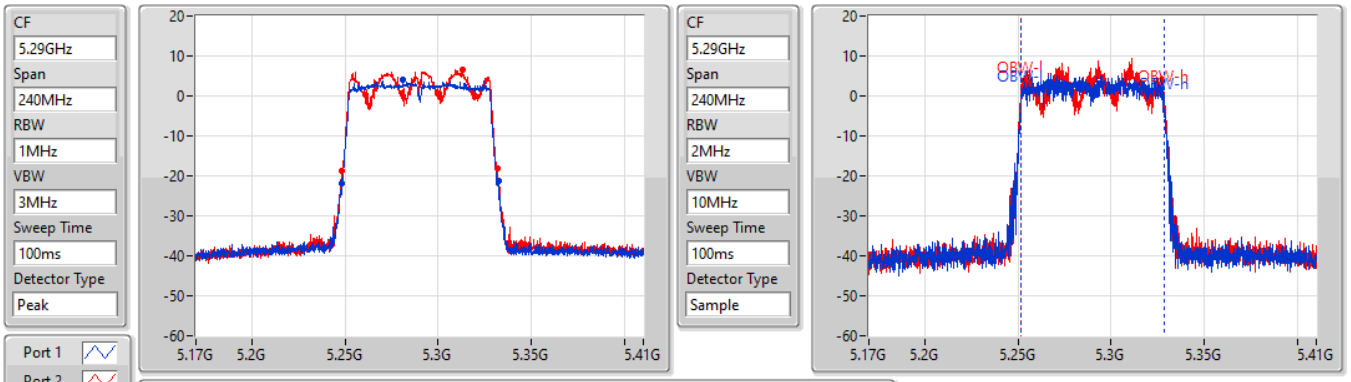


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	15.112M	5.72501G	5.740122G	500k	1
3.12M	5.725G	5.72812G	21.529M	5.72501G	5.746539G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5290MHz

16/06/2021

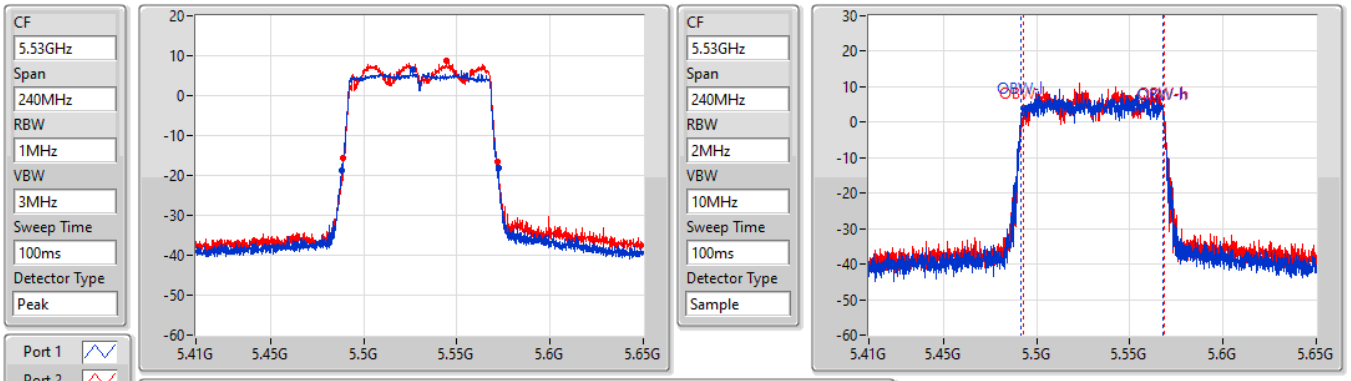


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.88M	5.24836G	5.33224G	76.282M	5.251859G	5.328141G	Inf	1
83.16M	5.24848G	5.33164G	76.642M	5.251619G	5.328261G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5530MHz

16/06/2021

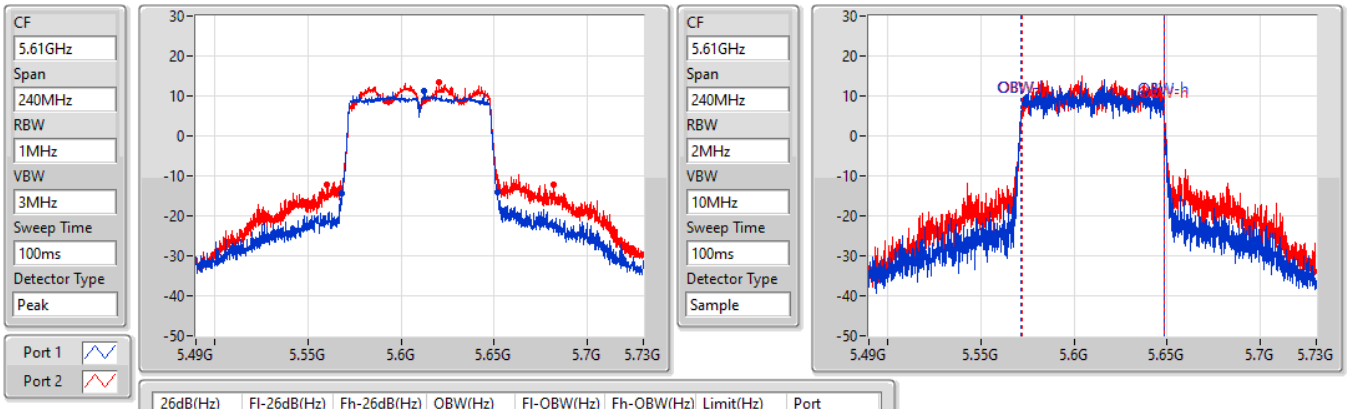


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84M	5.48812G	5.57212G	76.162M	5.491859G	5.568021G	Inf	1
82.44M	5.4892G	5.57164G	75.562M	5.492579G	5.568141G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5610MHz

16/06/2021

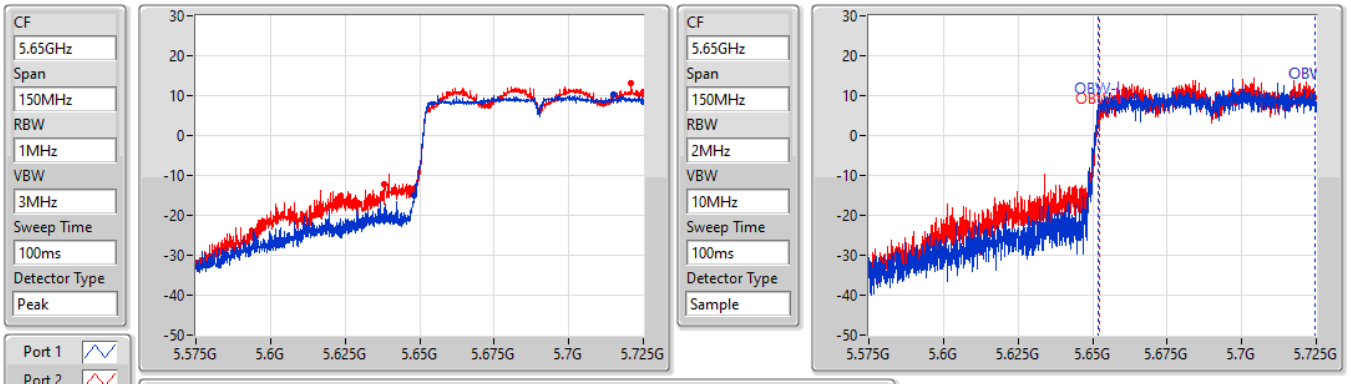


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.52M	5.56812G	5.65164G	76.282M	5.571859G	5.648141G	Inf	1
122.04M	5.56008G	5.68212G	76.042M	5.572219G	5.648261G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5690MHz Straddle 5.47-5.725GHz

16/06/2021

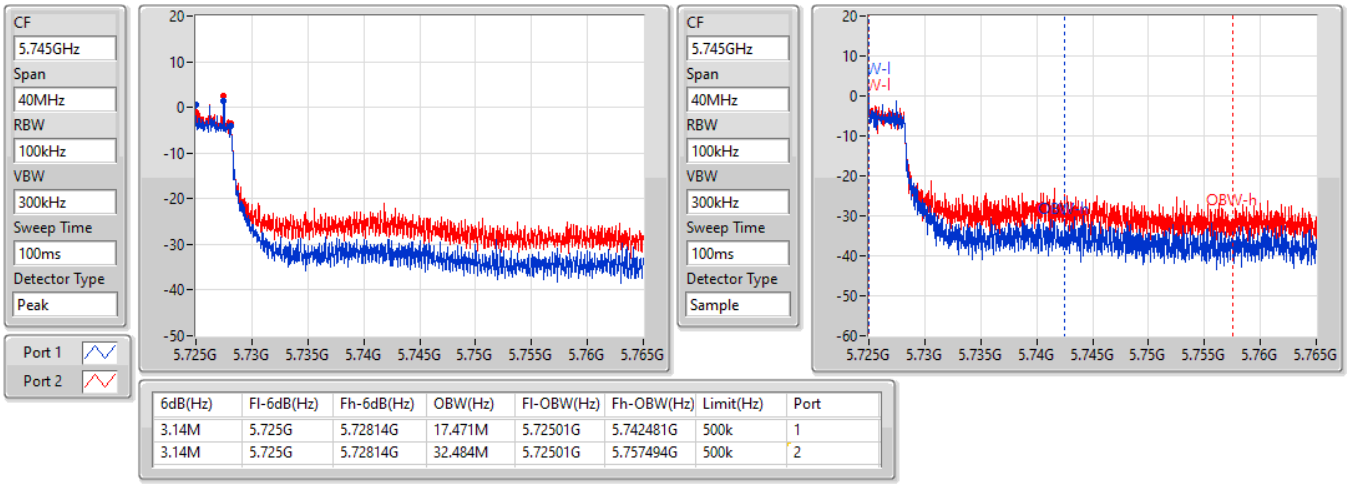


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.725M	5.648275G	5.725G	72.789M	5.651724G	5.724513G	Inf	1
86.7M	5.6383G	5.725G	72.489M	5.652174G	5.724663G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz

16/06/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	17.471M	5.72501G	5.742481G	500k	1
3.14M	5.725G	5.72814G	32.484M	5.72501G	5.757494G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.71M	16.485M	16M5D1D	18.48M	16.258M
802.11n HT20_Nss1,(MCS0)_2TX	20.49M	17.708M	17M7D1D	19.17M	17.314M
802.11n HT40_Nss1,(MCS0)_2TX	39.6M	36.479M	36M5D1D	39.3M	36.091M
802.11ac VHT20_Nss1,(MCS0)_2TX	20.46M	17.674M	17M7D1D	19.2M	17.258M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.9M	36.453M	36M5D1D	39.3M	36.111M
802.11ac VHT80_Nss1,(MCS0)_2TX	83.28M	76.542M	76M5D1D	82.56M	76.231M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.15M	16.575M	16M6D1D	14.46M	13.249M
802.11n HT20_Nss1,(MCS0)_2TX	20.64M	17.856M	17M9D1D	15.39M	13.9M
802.11n HT40_Nss1,(MCS0)_2TX	48.65M	36.207M	36M2D1D	38.76M	33.009M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.09M	17.805M	17M8D1D	15.36M	13.915M
802.11ac VHT40_Nss1,(MCS0)_2TX	49.805M	36.139M	36M1D1D	38.64M	33.061M
802.11ac VHT80_Nss1,(MCS0)_2TX	110.175M	76.304M	76M3D1D	81.6M	72.629M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.14M	3.629M	3M63D1D	3.12M	3.456M
802.11n HT20_Nss1,(MCS0)_2TX	3.74M	4.046M	4M05D1D	3.66M	4.012M
802.11n HT40_Nss1,(MCS0)_2TX	3.1M	19.513M	19M5D1D	3.06M	17.401M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.76M	4.15M	4M15D1D	3.74M	4.07M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.12M	21.034M	21M0D1D	3.1M	18.534M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.12M	35.419M	35M4D1D	3.1M	33.995M

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

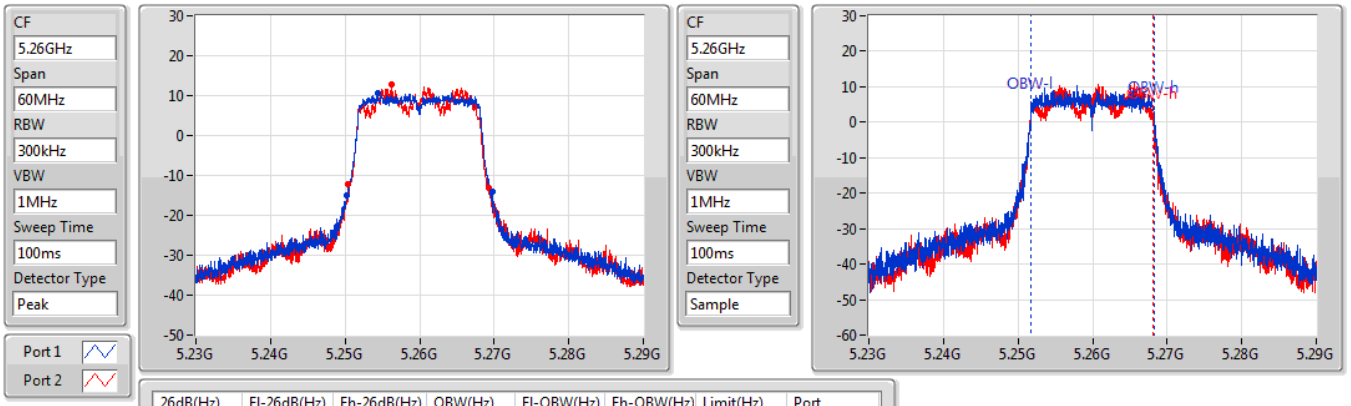
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	19.53M	16.471M	18.78M	16.353M
5300MHz	Pass	Inf	19.41M	16.485M	18.87M	16.258M
5320MHz	Pass	Inf	19.71M	16.476M	18.48M	16.31M
5500MHz	Pass	Inf	19.41M	16.434M	18.81M	16.435M
5580MHz	Pass	Inf	21.12M	16.463M	24.15M	16.567M
5700MHz	Pass	Inf	19.44M	16.497M	19.08M	16.575M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.685M	13.288M	14.46M	13.249M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.456M	3.14M	3.629M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.43M	17.665M	19.68M	17.514M
5300MHz	Pass	Inf	20.49M	17.708M	19.35M	17.335M
5320MHz	Pass	Inf	20.46M	17.668M	19.17M	17.314M
5500MHz	Pass	Inf	20.37M	17.639M	19.8M	17.697M
5580MHz	Pass	Inf	20.58M	17.649M	20.64M	17.741M
5700MHz	Pass	Inf	20.31M	17.691M	20.28M	17.856M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.66M	13.9M	15.39M	13.978M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.012M	3.66M	4.046M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.6M	36.091M	39.48M	36.479M
5310MHz	Pass	Inf	39.36M	36.144M	39.3M	36.437M
5510MHz	Pass	Inf	39.48M	36.169M	38.94M	35.826M
5550MHz	Pass	Inf	39.6M	36.207M	38.94M	35.951M
5670MHz	Pass	Inf	39.42M	36.177M	38.76M	35.686M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	45.29M	33.025M	48.65M	33.009M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	17.401M	3.06M	19.513M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	20.46M	17.674M	19.65M	17.55M
5300MHz	Pass	Inf	20.25M	17.649M	19.2M	17.258M
5320MHz	Pass	Inf	20.28M	17.673M	19.26M	17.283M
5500MHz	Pass	Inf	20.16M	17.648M	19.89M	17.705M
5580MHz	Pass	Inf	21.09M	17.663M	21M	17.772M
5700MHz	Pass	Inf	20.25M	17.7M	20.52M	17.805M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.36M	13.915M	15.78M	13.991M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.07M	3.74M	4.15M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	39.9M	36.149M	39.72M	36.453M
5310MHz	Pass	Inf	39.36M	36.111M	39.3M	36.428M
5510MHz	Pass	Inf	39.66M	36.139M	38.7M	35.884M
5550MHz	Pass	Inf	39.72M	36.138M	39.12M	35.899M
5670MHz	Pass	Inf	39.24M	36.116M	38.64M	35.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	49.665M	33.061M	49.805M	33.073M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	18.534M	3.12M	21.034M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	83.28M	76.231M	82.56M	76.542M
5530MHz	Pass	Inf	82.92M	76.148M	81.6M	75.533M
5610MHz	Pass	Inf	82.68M	76.304M	93.6M	75.731M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	110.175M	73.095M	105.75M	72.629M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	33.995M	3.1M	35.419M

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

5260MHz

15/06/2021

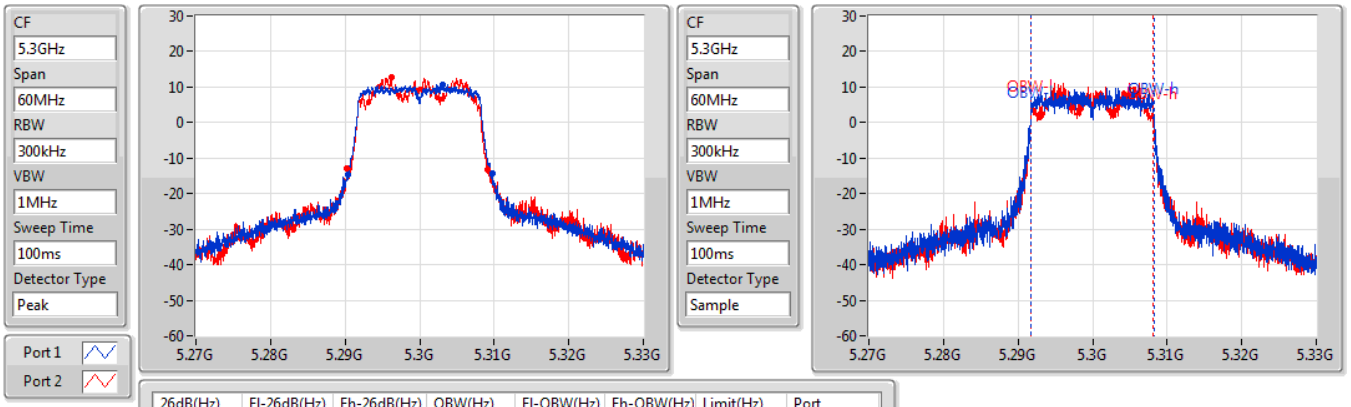


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.53M	5.25019G	5.26972G	16.471M	5.25174G	5.268211G	Inf	1
18.78M	5.25043G	5.26921G	16.353M	5.251709G	5.268062G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5300MHz

15/06/2021

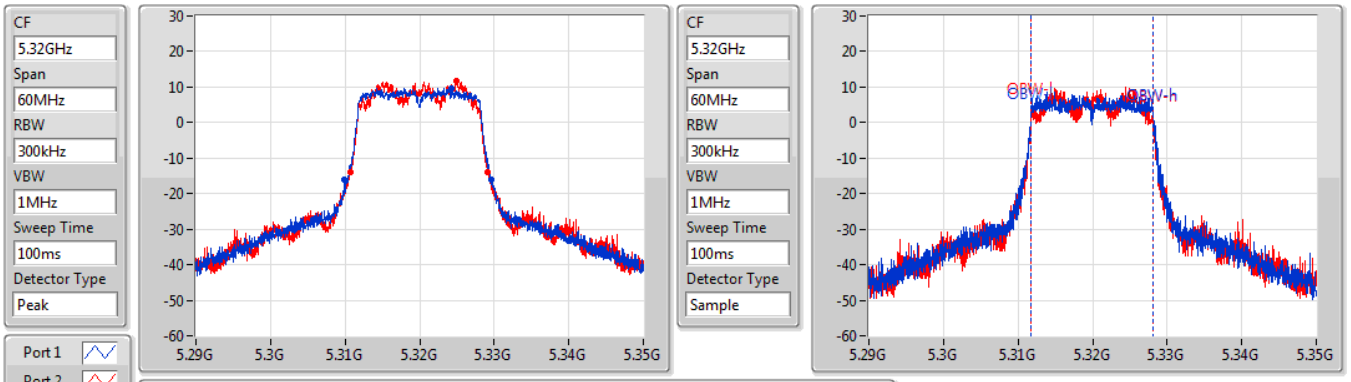


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.41M	5.29031G	5.30972G	16.485M	5.29172G	5.308205G	Inf	1
18.87M	5.29025G	5.30912G	16.258M	5.291771G	5.308029G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5320MHz

15/06/2021

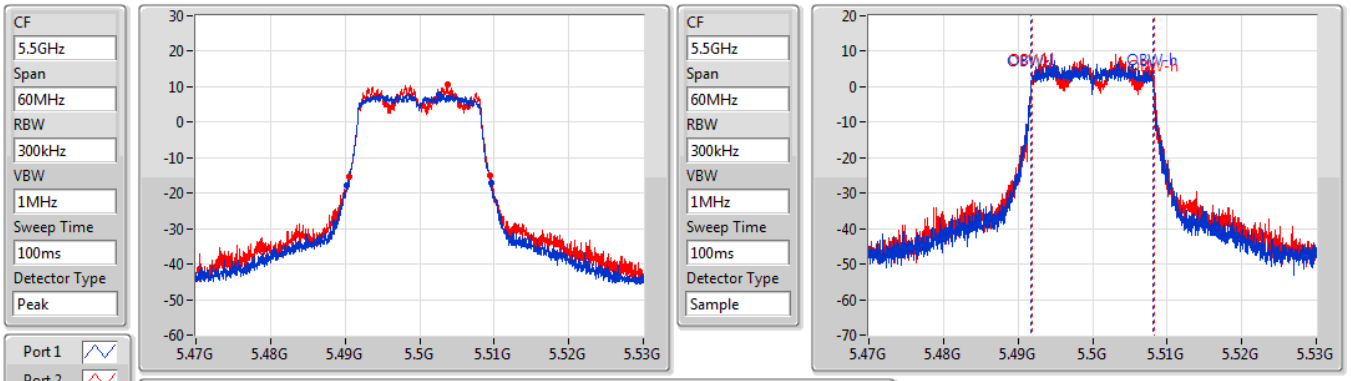


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.71M	5.30995G	5.32966G	16.476M	5.311707G	5.328184G	Inf	1
18.48M	5.3107G	5.32918G	16.31M	5.311775G	5.328085G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5500MHz

15/06/2021

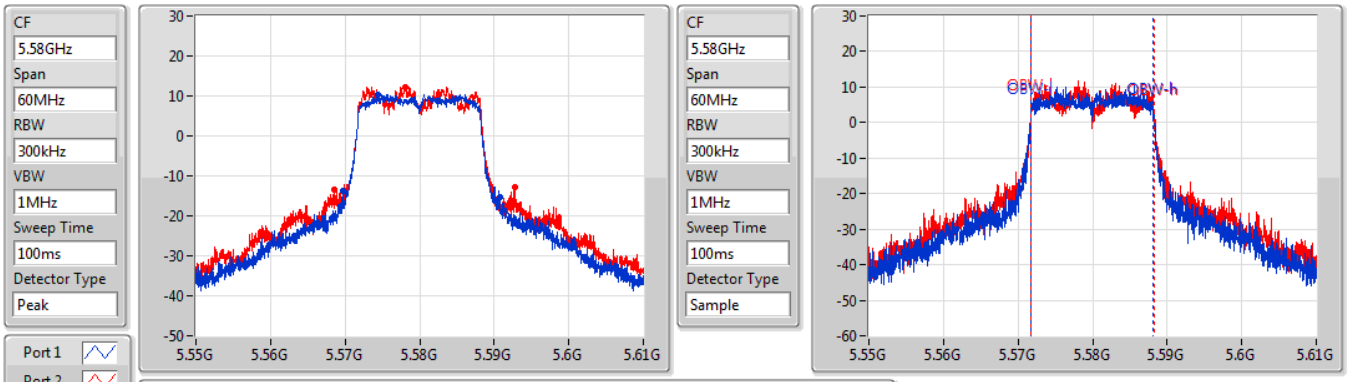


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.41M	5.49025G	5.50966G	16.434M	5.491737G	5.508172G	Inf	1
18.81M	5.49055G	5.50936G	16.435M	5.491811G	5.508247G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5580MHz

15/06/2021

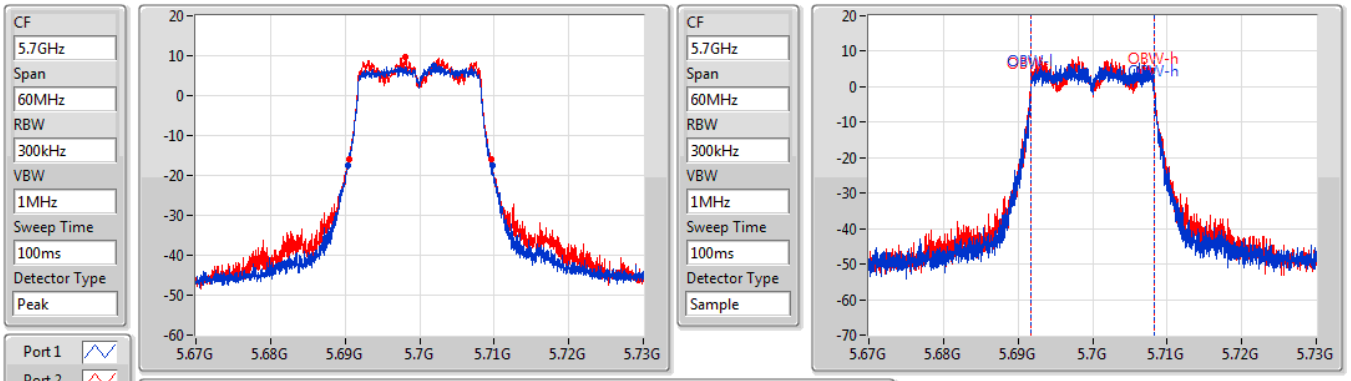


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.56965G	5.59077G	16.463M	5.57172G	5.588183G	Inf	1
24.15M	5.56863G	5.59278G	16.567M	5.571726G	5.588293G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

5700MHz

15/06/2021



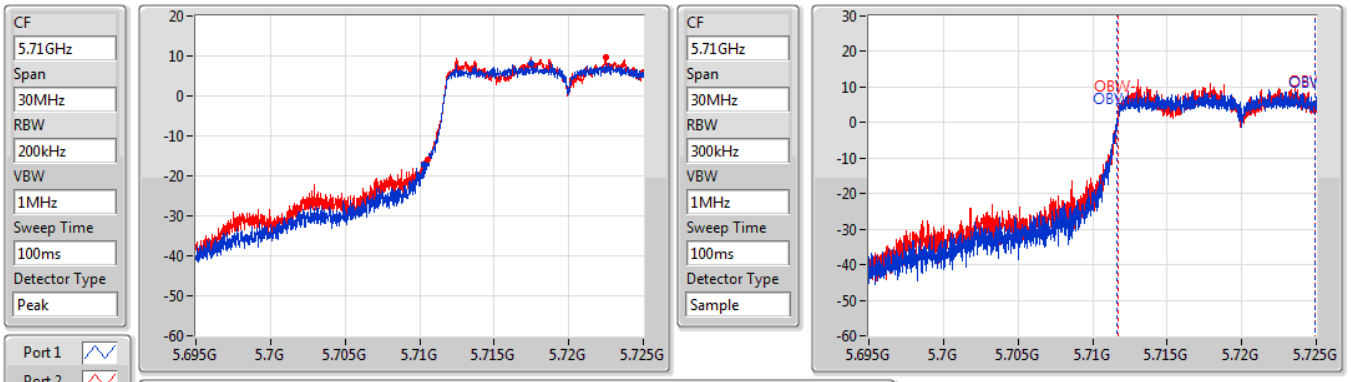
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.44M	5.69037G	5.70981G	16.497M	5.691731G	5.708228G	Inf	1
19.08M	5.69049G	5.70957G	16.575M	5.691712G	5.708286G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

15/06/2021



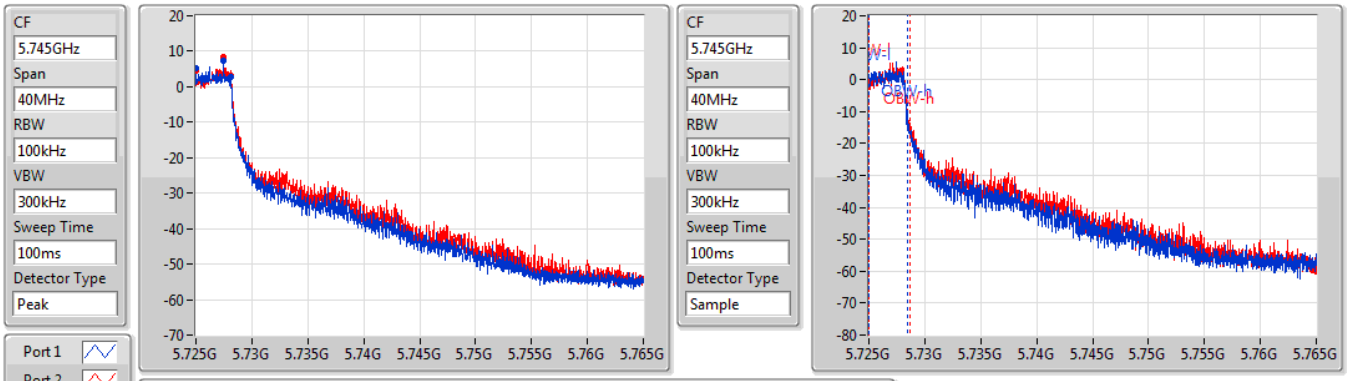
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.685M	5.710315G	5.725G	13.288M	5.711647G	5.724935G	Inf	1
14.46M	5.71054G	5.725G	13.249M	5.711673G	5.724921G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

15/06/2021



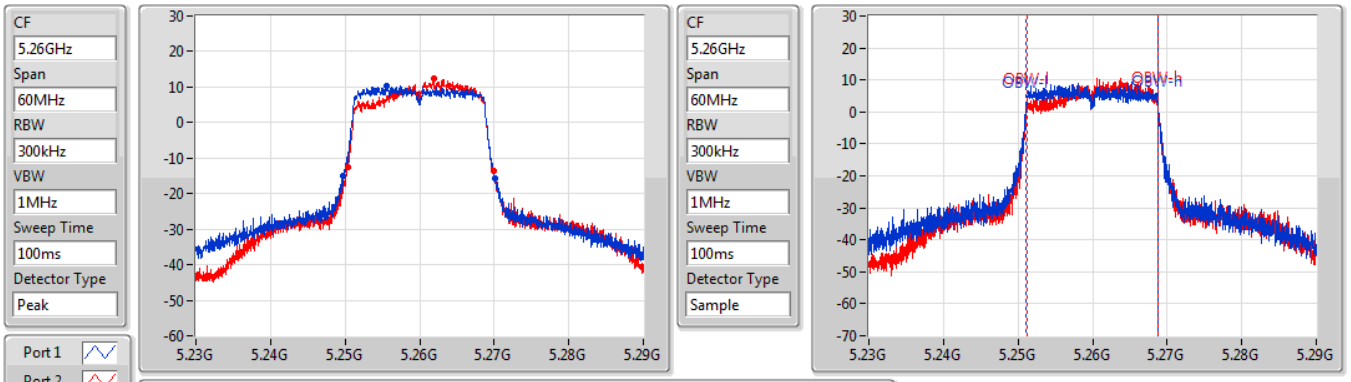
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.456M	5.725014G	5.728471G	500k	1
3.14M	5.725G	5.72814G	3.629M	5.725013G	5.728642G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5260MHz

16/06/2021



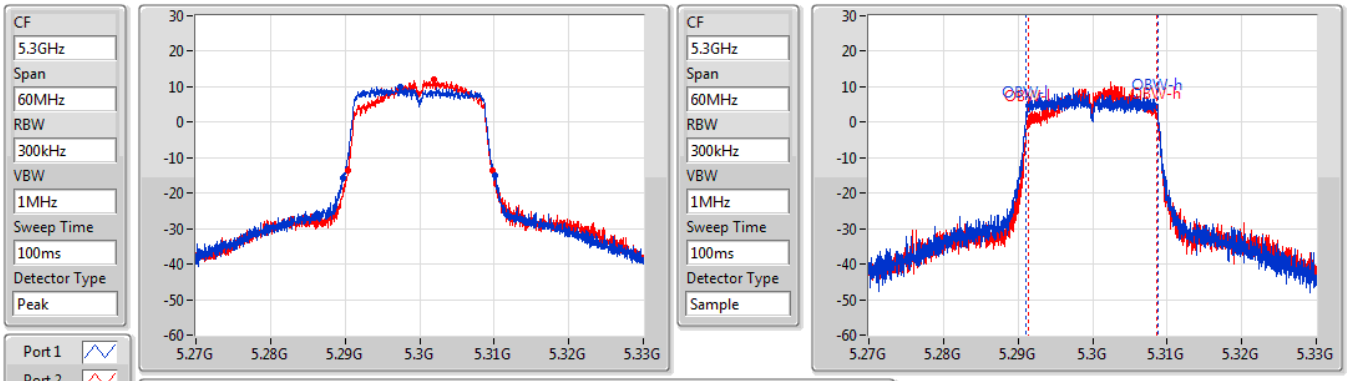
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.43M	5.24974G	5.27017G	17.665M	5.251108G	5.268773G	Inf	1
19.68M	5.25031G	5.26999G	17.514M	5.251255G	5.268769G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5300MHz

16/06/2021



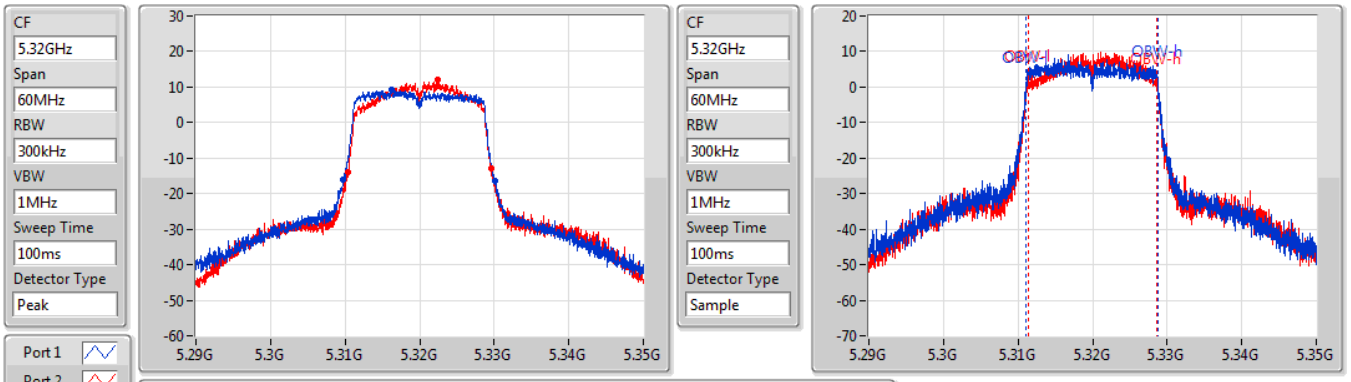
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.49M	5.28965G	5.31014G	17.708M	5.291089G	5.308796G	Inf	1
19.35M	5.29043G	5.30978G	17.335M	5.291349G	5.308684G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

16/06/2021



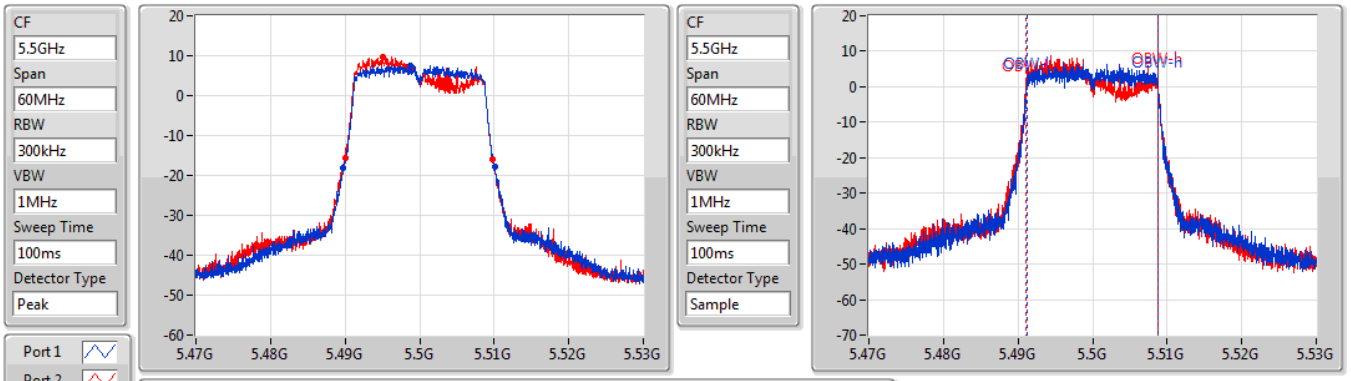
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.30968G	5.33014G	17.668M	5.311102G	5.32877G	Inf	1
19.17M	5.31043G	5.3296G	17.314M	5.311311G	5.328625G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5500MHz

16/06/2021



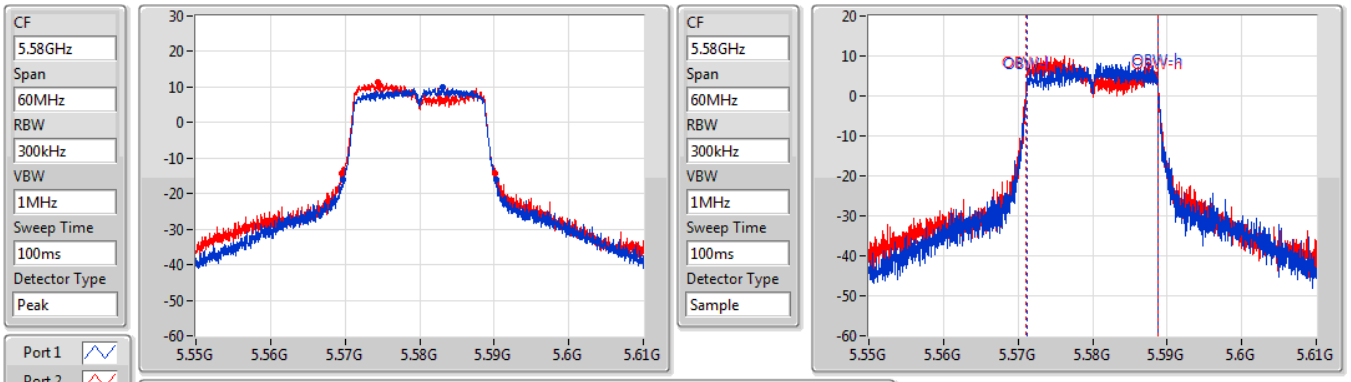
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.37M	5.48977G	5.51014G	17.639M	5.491154G	5.508792G	Inf	1
19.8M	5.48998G	5.50978G	17.697M	5.491101G	5.508798G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5580MHz

16/06/2021



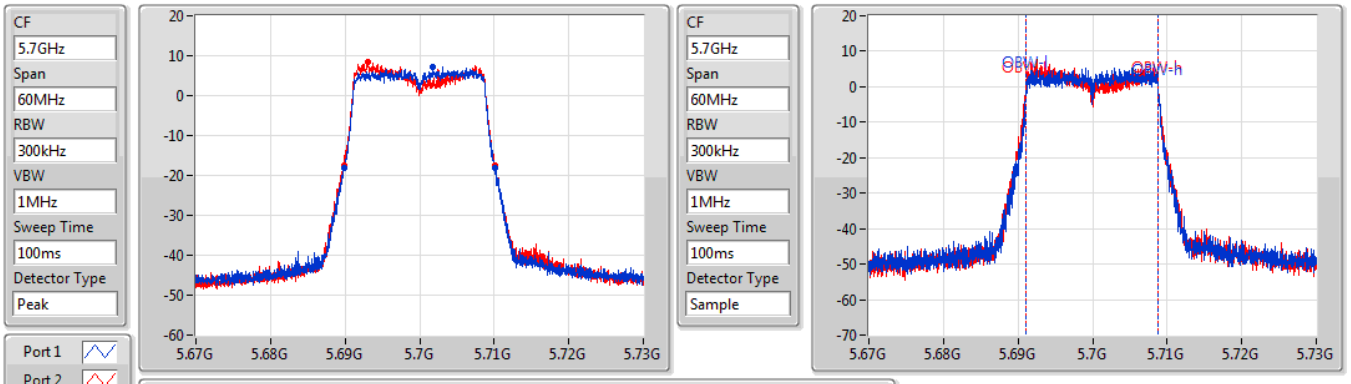
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.58M	5.56968G	5.59026G	17.649M	5.571144G	5.588794G	Inf	1
20.64M	5.56953G	5.59017G	17.741M	5.57108G	5.588821G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5700MHz

16/06/2021



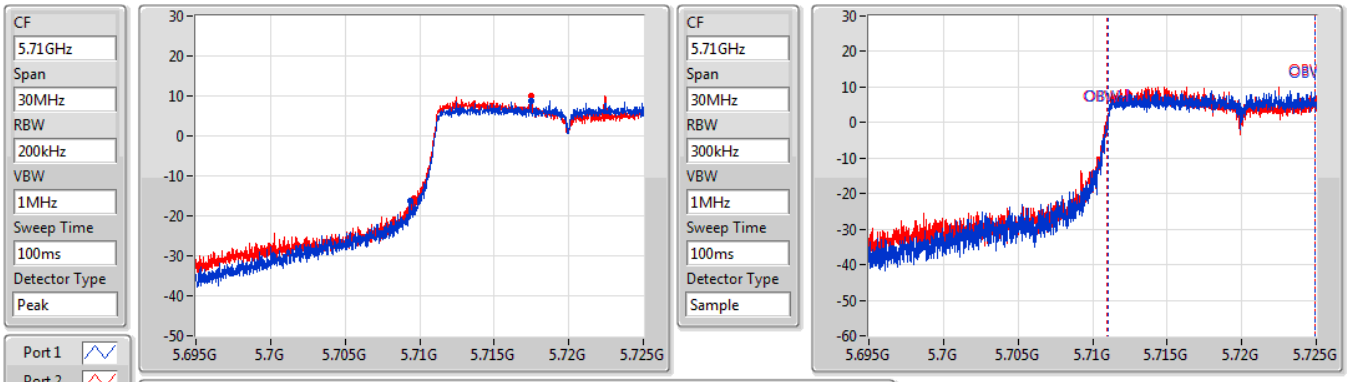
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.31M	5.68983G	5.71014G	17.691M	5.691127G	5.708819G	Inf	1
20.28M	5.68983G	5.71011G	17.856M	5.690998G	5.708854G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

16/06/2021



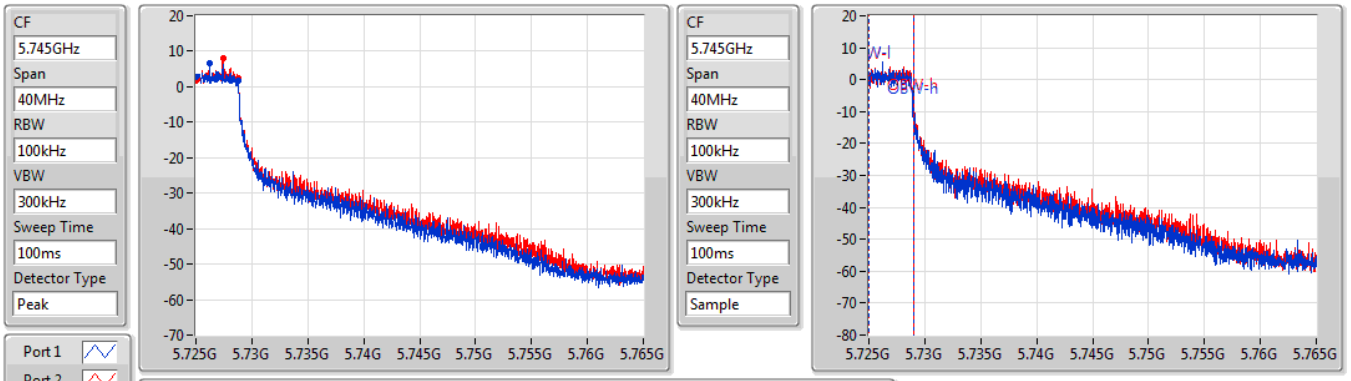
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.66M	5.70934G	5.725G	13.9M	5.711034G	5.724934G	Inf	1
15.39M	5.70961G	5.725G	13.978M	5.710972G	5.72495G	Inf	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

16/06/2021

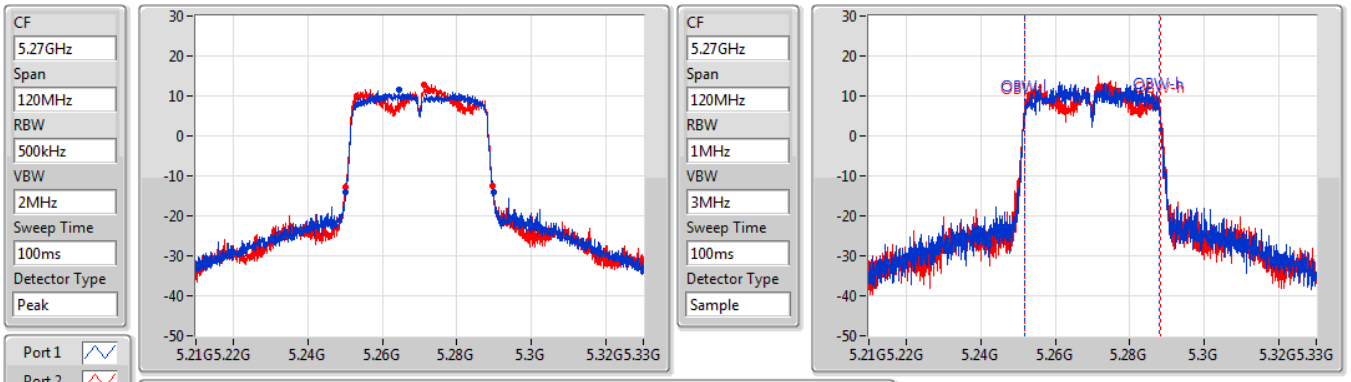


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.74M	5.725G	5.72874G	4.012M	5.725018G	5.72903G	500k	1
3.66M	5.72508G	5.72874G	4.046M	5.725017G	5.729063G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5270MHz

16/06/2021

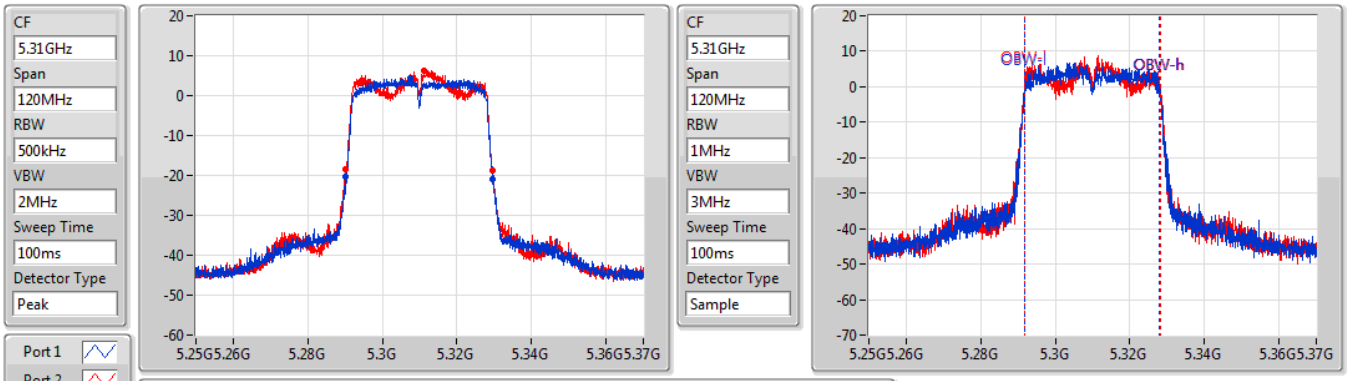


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.25014G	5.28974G	36.091M	5.25191G	5.288001G	Inf	1
39.48M	5.2502G	5.28968G	36.479M	5.251674G	5.288153G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5310MHz

16/06/2021

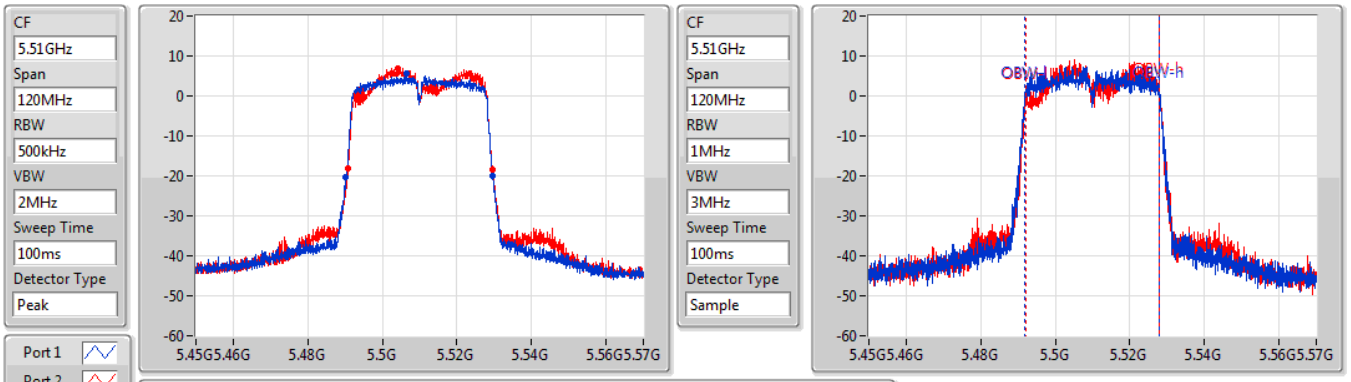


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.36M	5.29026G	5.32962G	36.144M	5.291862G	5.328006G	Inf	1
39.3M	5.29026G	5.32956G	36.437M	5.29171G	5.328146G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5510MHz

16/06/2021

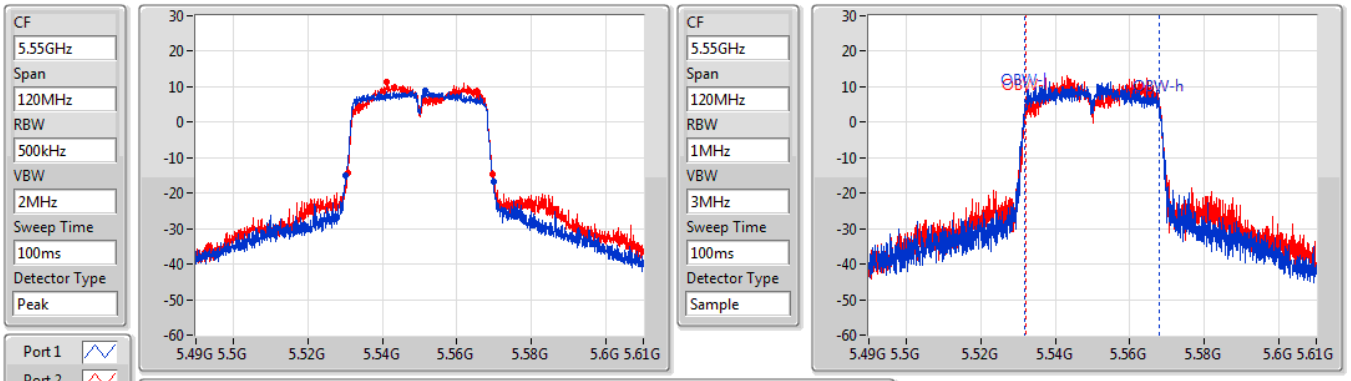


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.48M	5.4902G	5.52968G	36.169M	5.491853G	5.528022G	Inf	1
38.94M	5.49068G	5.52962G	35.826M	5.492199G	5.528025G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5550MHz

16/06/2021

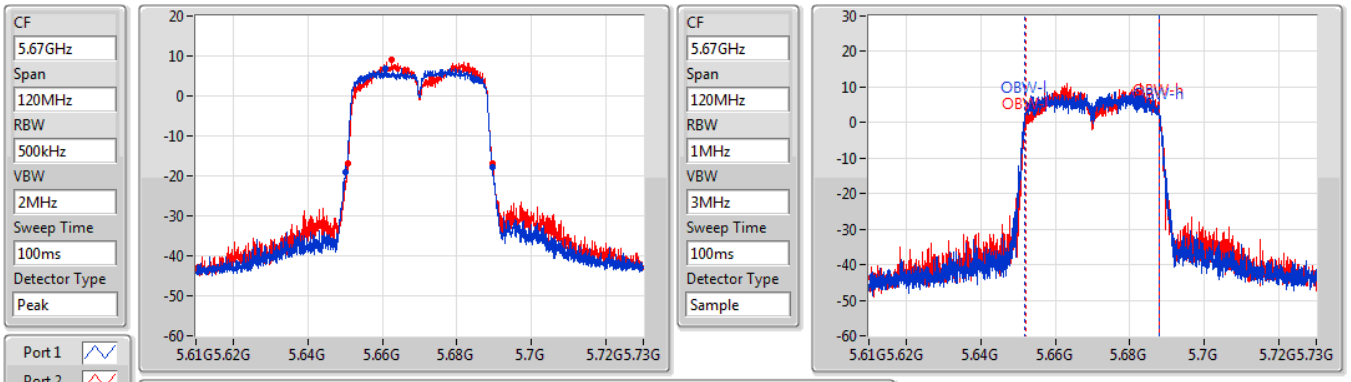


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.53014G	5.56974G	36.207M	5.531792G	5.567999G	Inf	1
38.94M	5.53062G	5.56956G	35.951M	5.532079G	5.56803G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5670MHz

16/06/2021

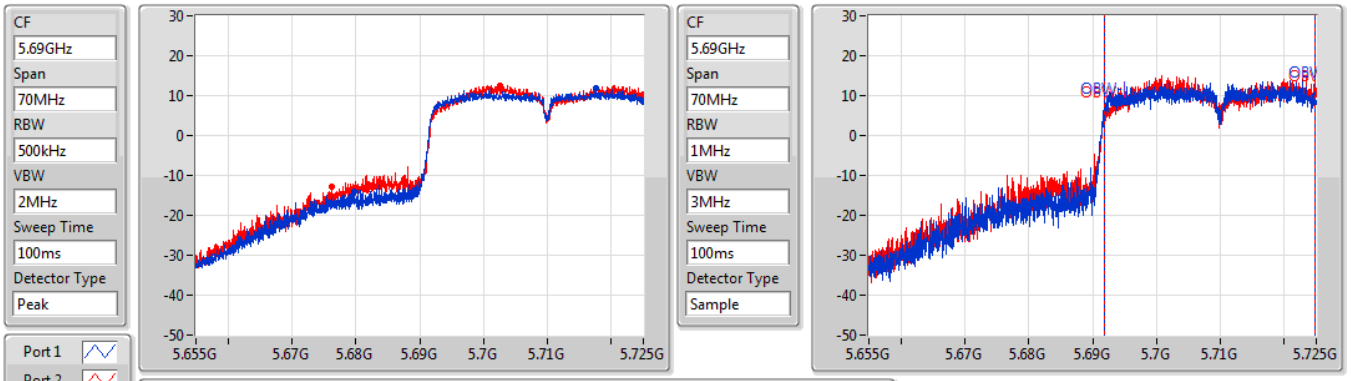


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.42M	5.6502G	5.68962G	36.177M	5.651836G	5.688013G	Inf	1
38.76M	5.65074G	5.6895G	35.686M	5.652263G	5.687949G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.47-5.725GHz

16/06/2021

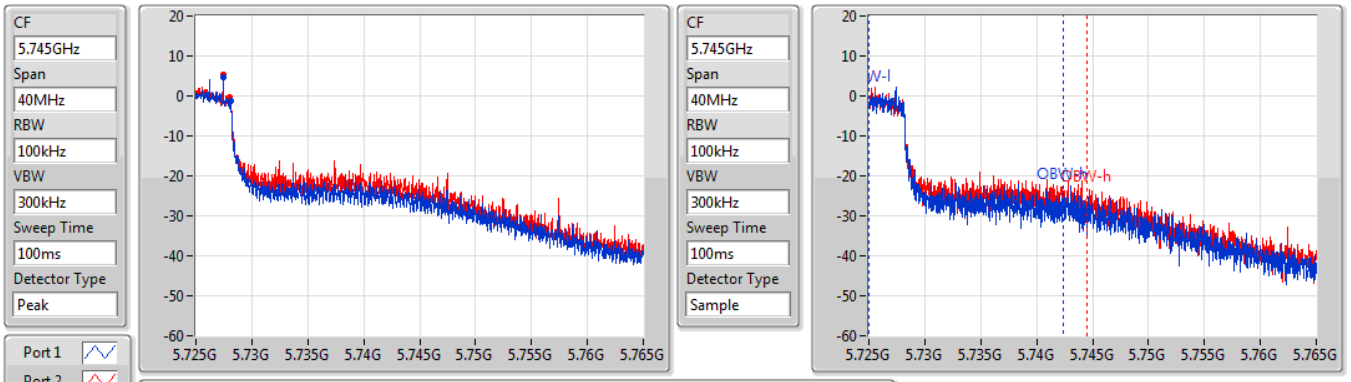


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.29M	5.67971G	5.725G	33.025M	5.691782G	5.724808G	Inf	1
48.65M	5.67635G	5.725G	33.009M	5.691855G	5.724863G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX EBW

5710MHz Straddle 5.725-5.85GHz

16/06/2021

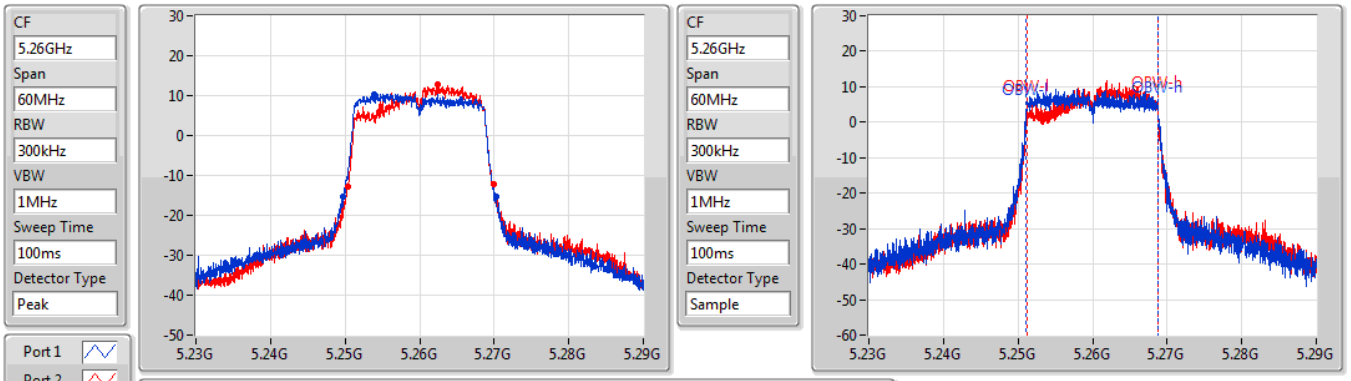


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	17.401M	5.725018G	5.742419G	500k	1
3.06M	5.725G	5.72806G	19.513M	5.725016G	5.744529G	500k	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5260MHz

15/06/2021

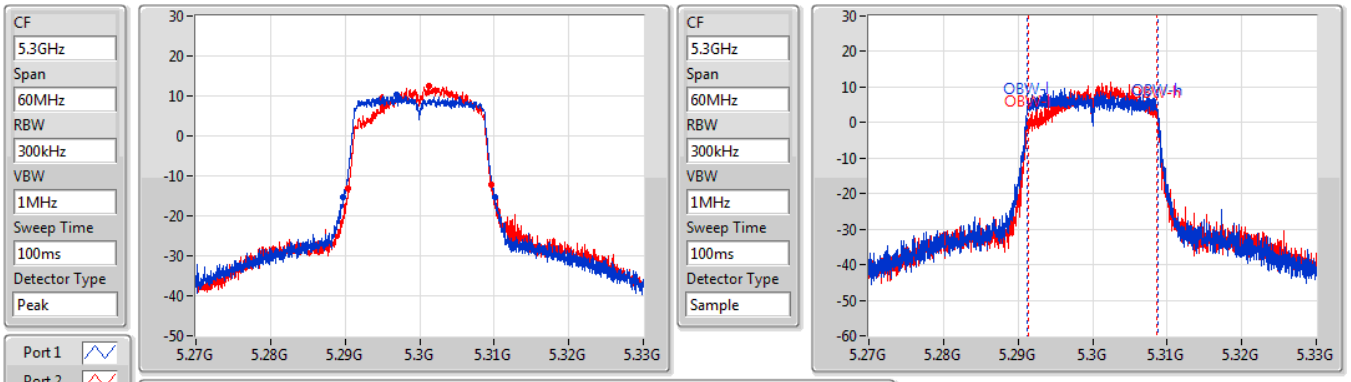


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.24974G	5.2702G	17.674M	5.251119G	5.268793G	Inf	1
19.65M	5.25031G	5.26996G	17.55M	5.25124G	5.26879G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5300MHz

15/06/2021

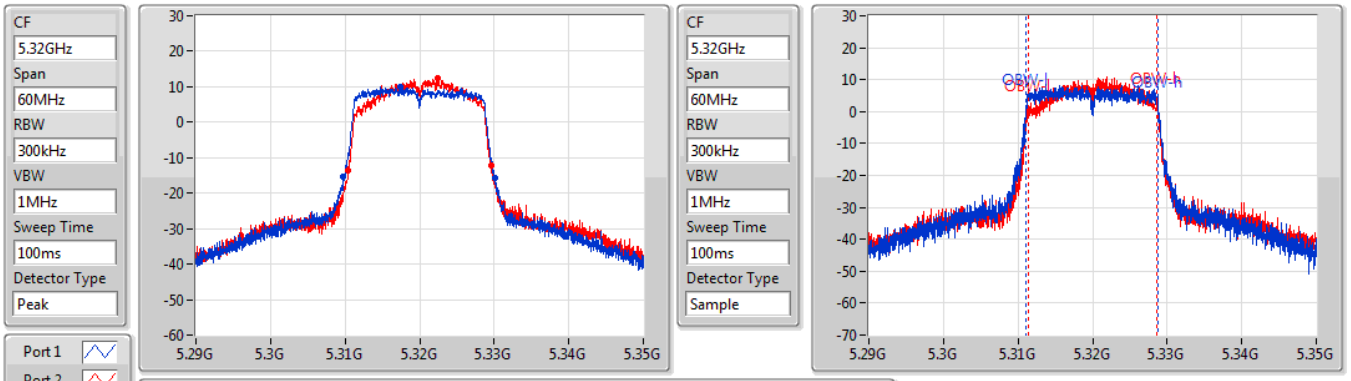


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.2898G	5.31005G	17.649M	5.291149G	5.308797G	Inf	1
19.2M	5.29046G	5.30966G	17.258M	5.291424G	5.308682G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5320MHz

15/06/2021

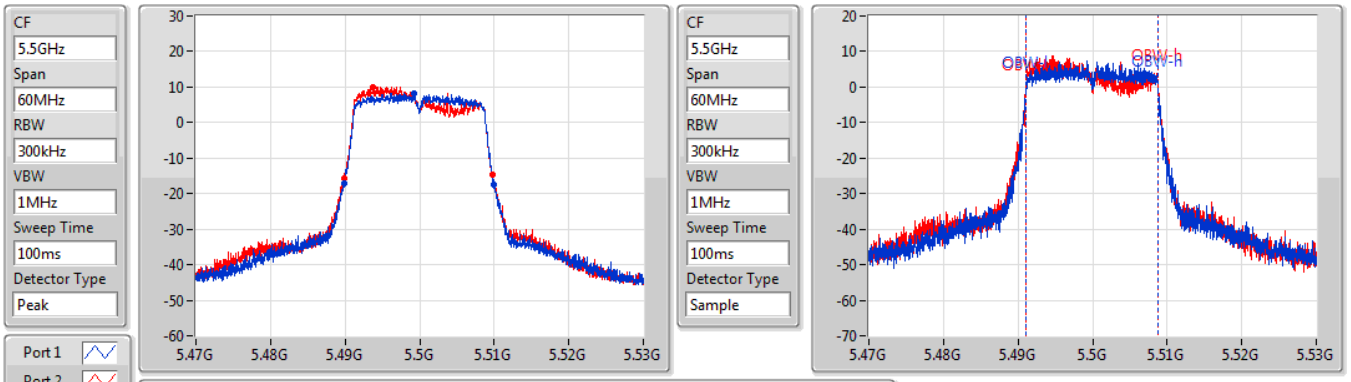


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.3098G	5.33008G	17.673M	5.311122G	5.328795G	Inf	1
19.26M	5.3104G	5.32966G	17.283M	5.311384G	5.328667G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5500MHz

15/06/2021

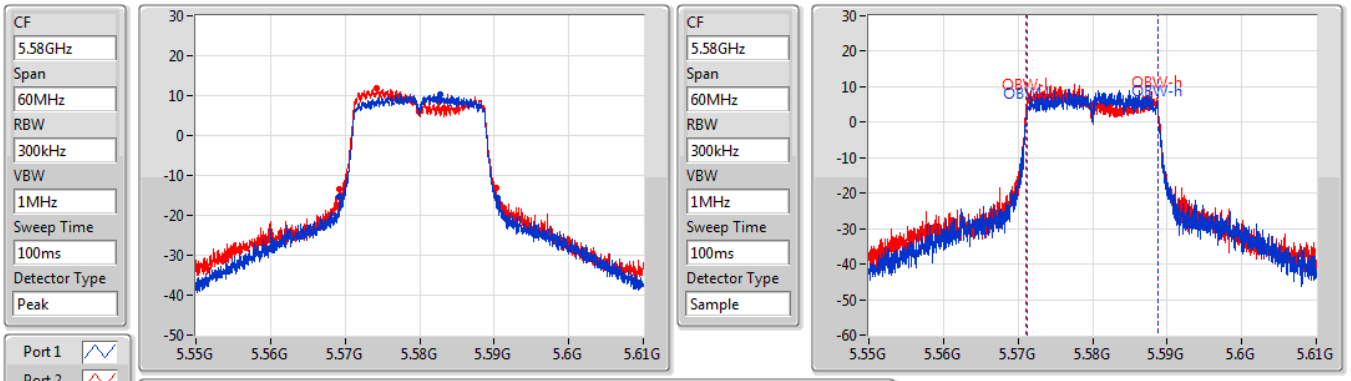


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.16M	5.48986G	5.51002G	17.648M	5.491117G	5.508766G	Inf	1
19.89M	5.48989G	5.50978G	17.705M	5.491085G	5.508791G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5580MHz

15/06/2021

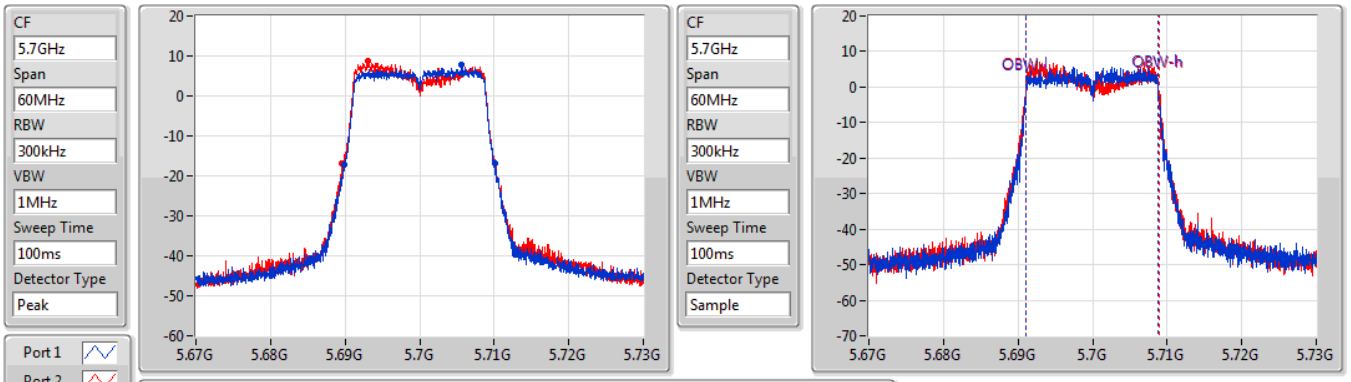


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.09M	5.56929G	5.59038G	17.663M	5.571143G	5.588806G	Inf	1
21M	5.56929G	5.59029G	17.772M	5.571061G	5.588833G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5700MHz

15/06/2021

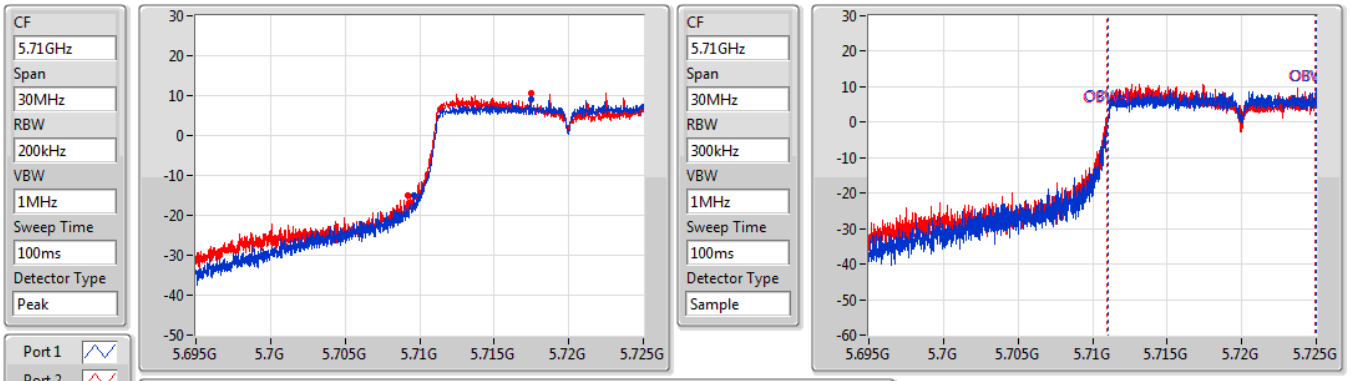


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	5.68989G	5.71014G	17.7M	5.691116G	5.708815G	Inf	1
20.52M	5.68956G	5.71008G	17.805M	5.691056G	5.708861G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.47-5.725GHz

15/06/2021

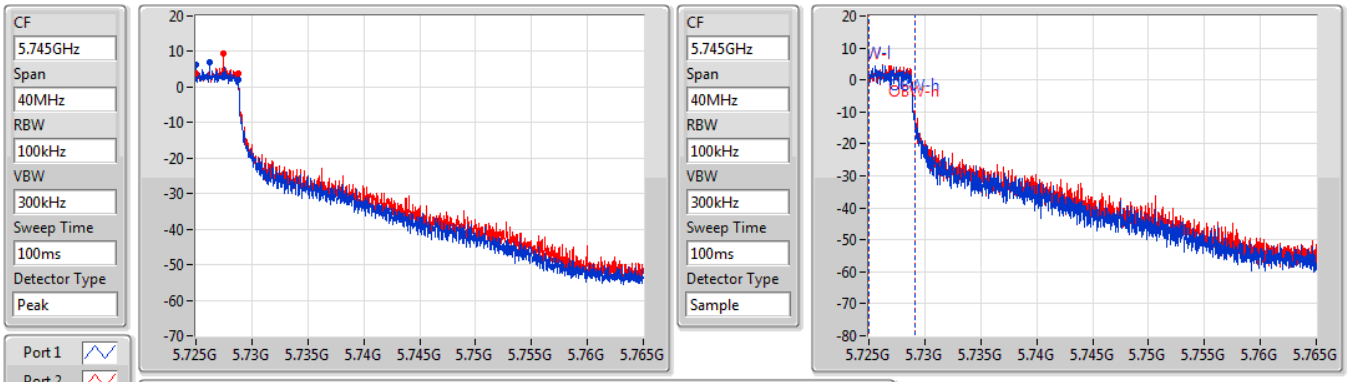


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.36M	5.70964G	5.725G	13.915M	5.711044G	5.72496G	Inf	1
15.78M	5.70922G	5.725G	13.991M	5.710956G	5.724947G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX EBW

5720MHz Straddle 5.725-5.85GHz

15/06/2021

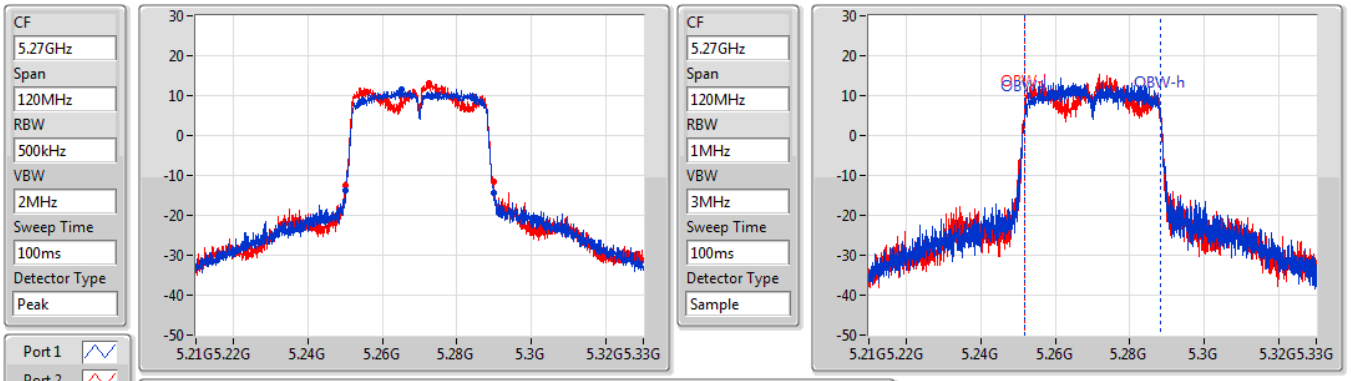


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.76M	5.725G	5.72876G	4.07M	5.725017G	5.729087G	500k	1
3.74M	5.725G	5.72874G	4.15M	5.725015G	5.729165G	500k	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5270MHz

15/06/2021



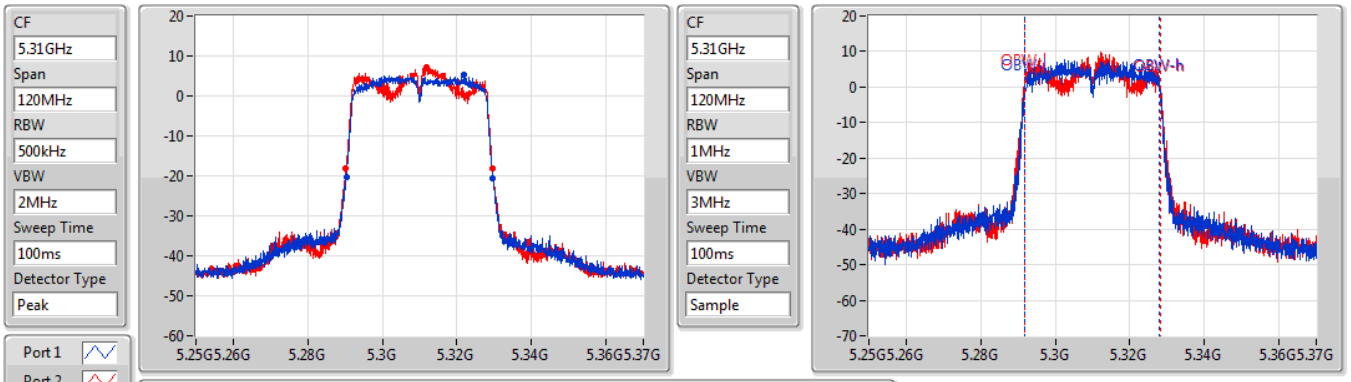
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.25002G	5.28992G	36.149M	5.251903G	5.288052G	Inf	1
39.72M	5.25002G	5.28974G	36.453M	5.251728G	5.288181G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

15/06/2021



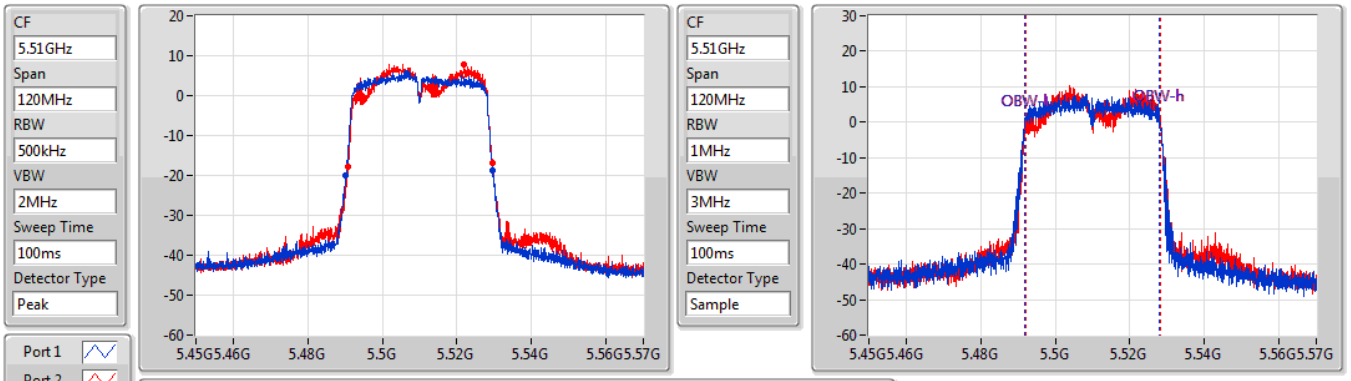
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.36M	5.29032G	5.32968G	36.111M	5.291885G	5.327996G	Inf	1
39.3M	5.29026G	5.32956G	36.428M	5.291688G	5.328116G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

15/06/2021

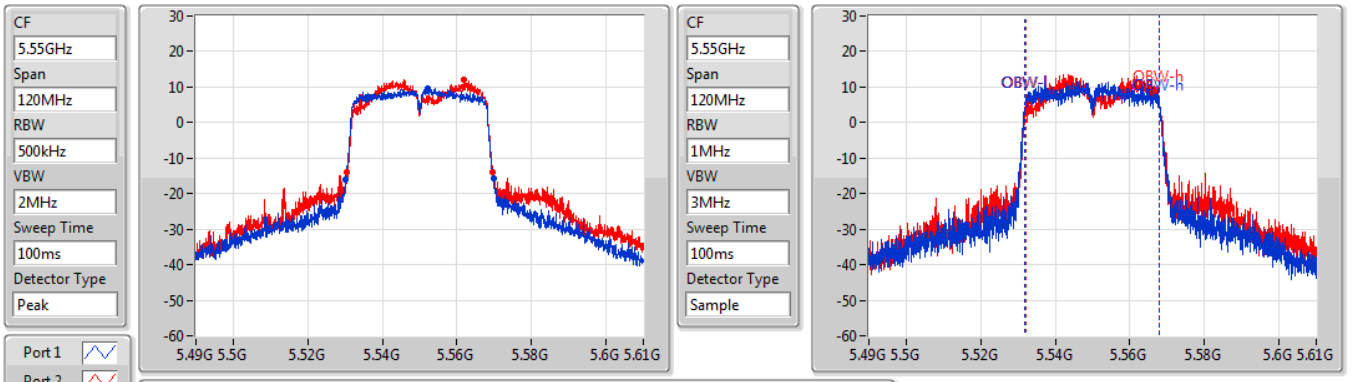


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.66M	5.49002G	5.52968G	36.139M	5.491889G	5.528028G	Inf	1
38.7M	5.4908G	5.5295G	35.884M	5.492188G	5.528071G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5550MHz

15/06/2021

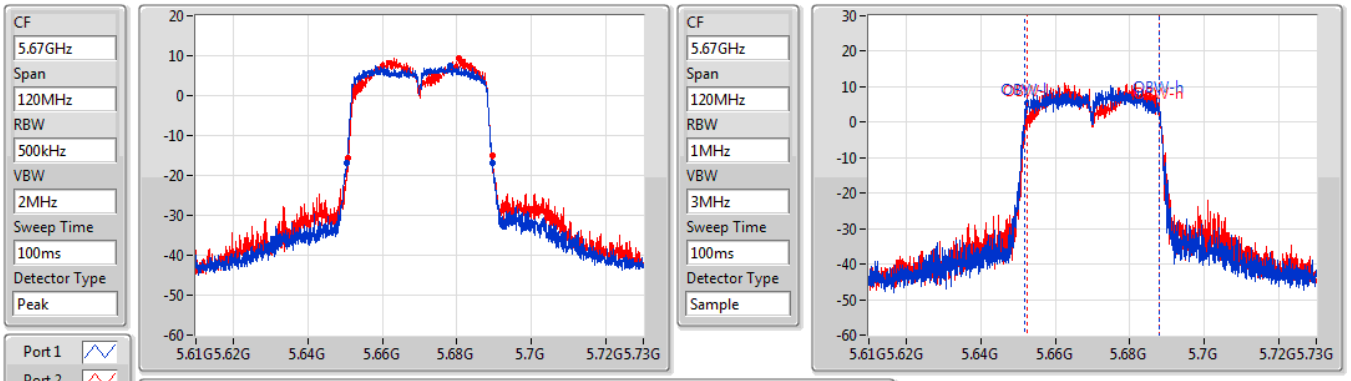


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.72M	5.53002G	5.56974G	36.138M	5.531896G	5.568034G	Inf	1
39.12M	5.53056G	5.56968G	35.899M	5.532128G	5.568027G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX EBW

5670MHz

15/06/2021



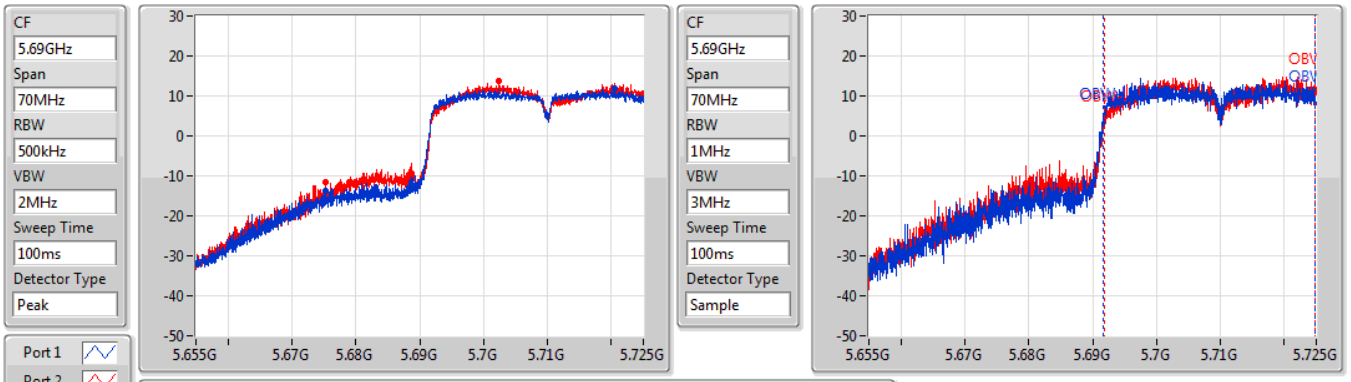
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.24M	5.65038G	5.68962G	36.116M	5.651912G	5.688028G	Inf	1
38.64M	5.6508G	5.68944G	35.631M	5.652371G	5.688002G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

16/06/2021



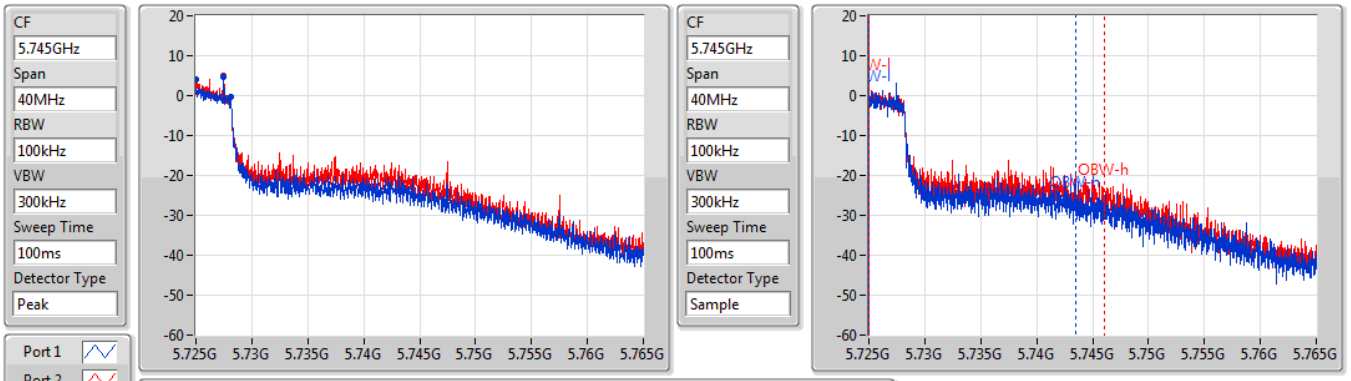
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.665M	5.675335G	5.725G	33.061M	5.691732G	5.724793G	Inf	1
49.805M	5.675195G	5.725G	33.073M	5.691811G	5.724884G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

16/06/2021

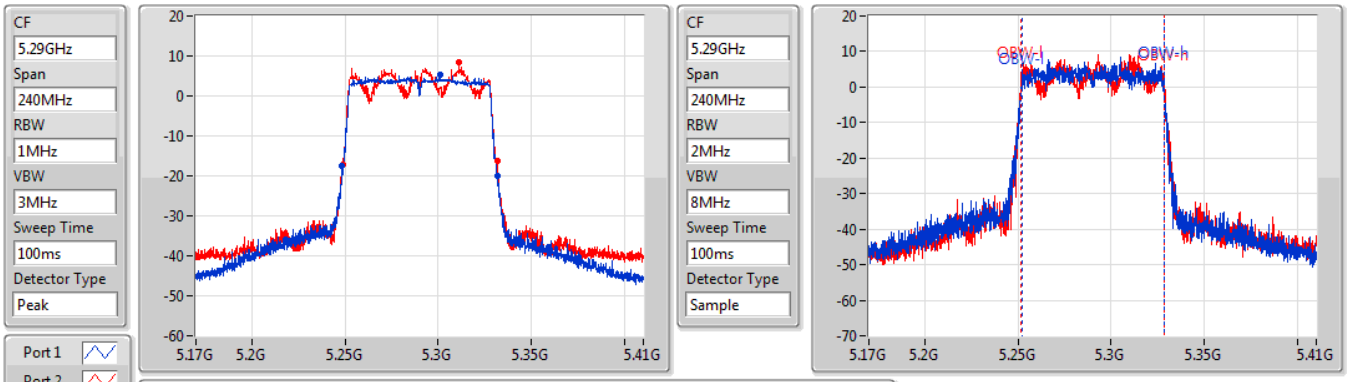


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	18.534M	5.725012G	5.743546G	500k	1
3.12M	5.725G	5.72812G	21.034M	5.725009G	5.746043G	500k	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5290MHz

16/06/2021

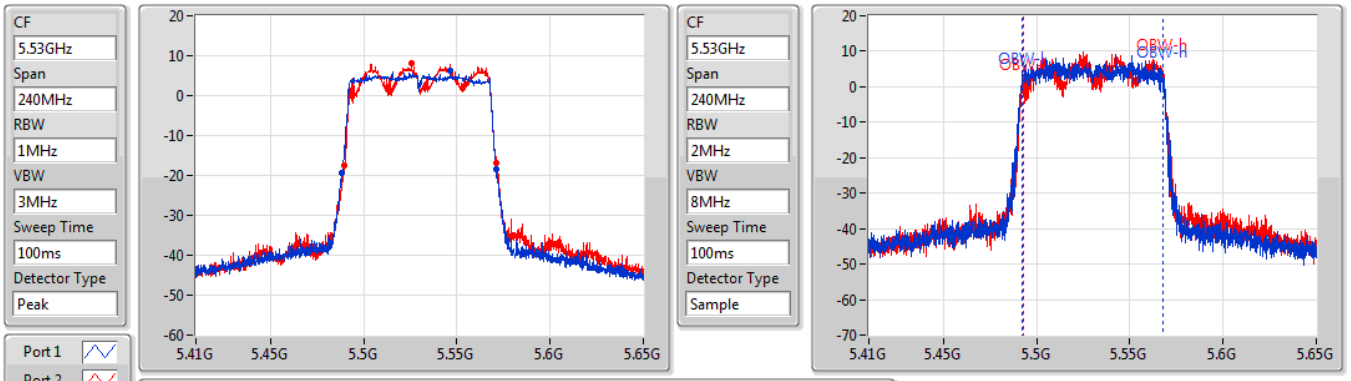


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.28M	5.24836G	5.33164G	76.231M	5.251952G	5.328183G	Inf	1
82.56M	5.24896G	5.33152G	76.542M	5.251672G	5.328214G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX EBW

5530MHz

16/06/2021



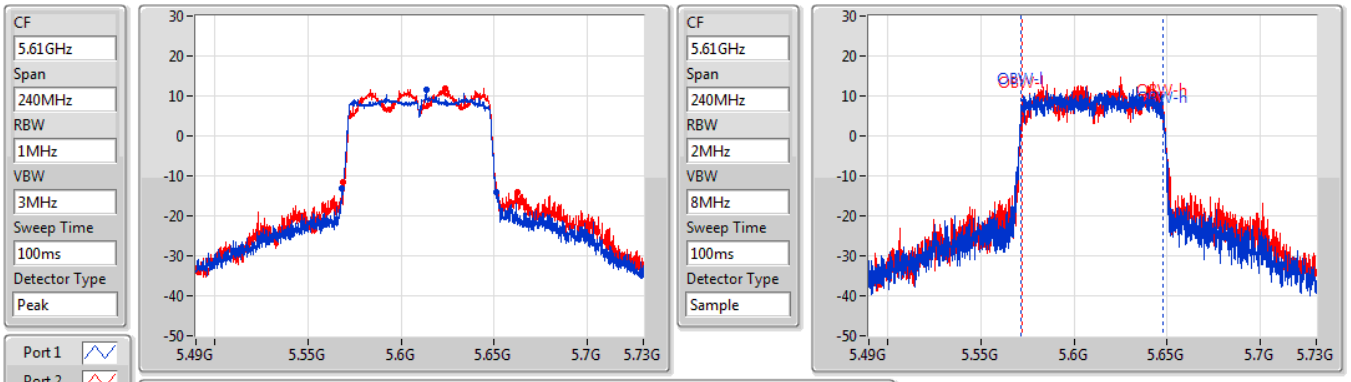
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.92M	5.48836G	5.57128G	76.148M	5.491935G	5.568083G	Inf	1
81.6M	5.48956G	5.57116G	75.533M	5.492567G	5.5681G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

16/06/2021



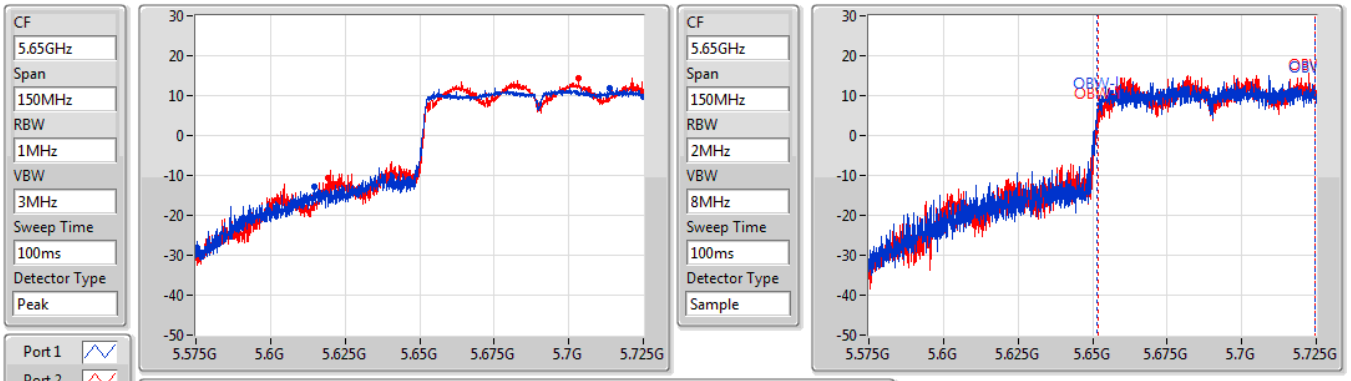
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	5.56848G	5.65116G	76.304M	5.571682G	5.647986G	Inf	1
93.6M	5.56896G	5.66256G	75.731M	5.572368G	5.648099G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

16/06/2021

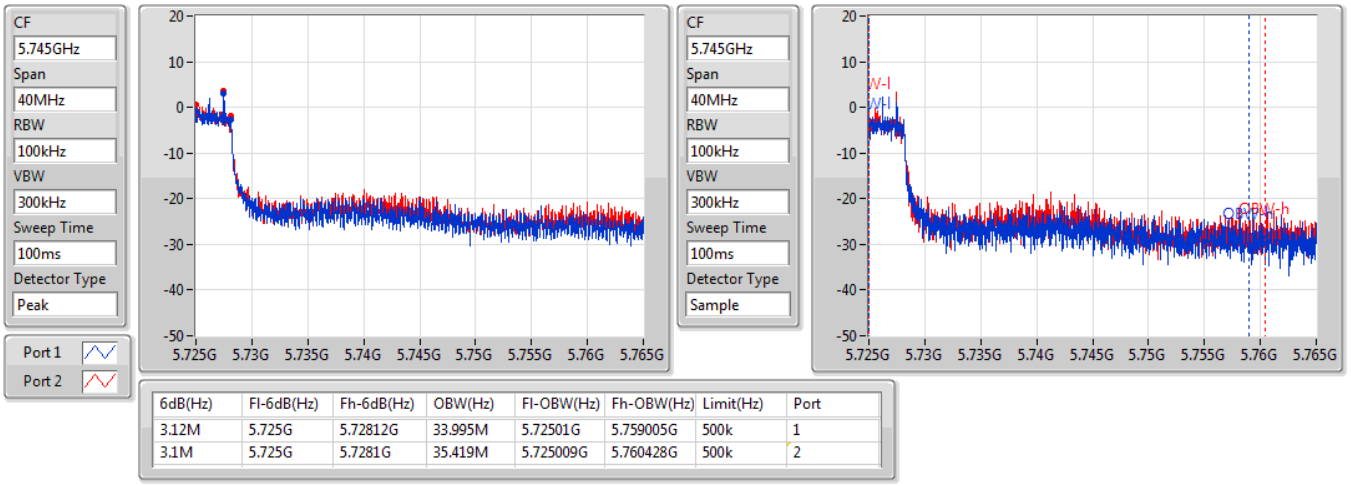


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
110.175M	5.614825G	5.725G	73.095M	5.651553G	5.724648G	Inf	1
105.75M	5.61925G	5.725G	72.629M	5.652055G	5.724684G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz

16/06/2021



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	33.995M	5.72501G	5.759005G	500k	1
3.1M	5.725G	5.7281G	35.419M	5.725009G	5.760428G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	19.98	0.09954	25.04	0.31915
802.11n HT20_Nss1,(MCS0)_2TX	20.28	0.10666	25.34	0.34198
802.11n HT40_Nss1,(MCS0)_2TX	22.08	0.16144	27.14	0.51761
802.11ac VHT20_Nss1,(MCS0)_2TX	20.66	0.11641	25.72	0.37325
802.11ac VHT40_Nss1,(MCS0)_2TX	22.62	0.18281	27.68	0.58614
802.11ac VHT80_Nss1,(MCS0)_2TX	15.60	0.03631	20.66	0.11641
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.39	0.10940	25.45	0.35075
802.11n HT20_Nss1,(MCS0)_2TX	20.33	0.10789	25.39	0.34594
802.11n HT40_Nss1,(MCS0)_2TX	23.05	0.20184	28.11	0.64714
802.11ac VHT20_Nss1,(MCS0)_2TX	20.81	0.12050	25.87	0.38637
802.11ac VHT40_Nss1,(MCS0)_2TX	23.52	0.22491	28.58	0.72111
802.11ac VHT80_Nss1,(MCS0)_2TX	22.40	0.17378	27.46	0.55719
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	13.58	0.02280	18.64	0.07311
802.11n HT20_Nss1,(MCS0)_2TX	14.62	0.02897	19.68	0.09290
802.11n HT40_Nss1,(MCS0)_2TX	11.48	0.01406	16.54	0.04508
802.11ac VHT20_Nss1,(MCS0)_2TX	15.11	0.03243	20.17	0.10399
802.11ac VHT40_Nss1,(MCS0)_2TX	11.94	0.01563	17.00	0.05012
802.11ac VHT80_Nss1,(MCS0)_2TX	8.54	0.00714	13.60	0.02291

Result

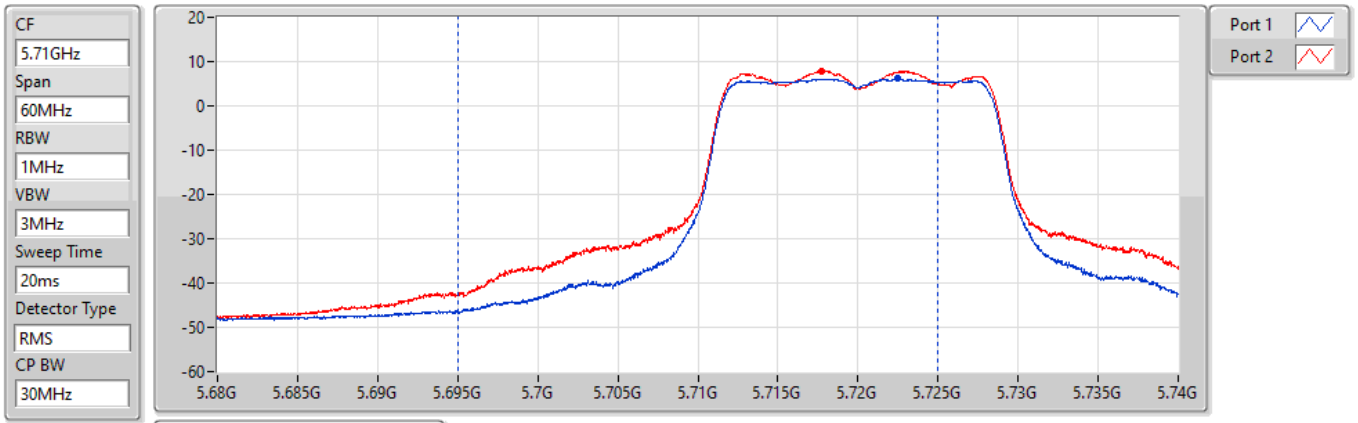
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.06	16.35	17.49	19.97	23.70	25.03	29.70
5300MHz	Pass	5.06	16.39	17.33	19.90	23.67	24.96	29.67
5320MHz	Pass	5.06	16.29	17.55	19.98	23.66	25.04	29.66
5500MHz	Pass	5.06	16.58	17.35	19.99	23.82	25.05	29.82
5580MHz	Pass	5.06	16.84	17.86	20.39	23.81	25.45	29.81
5700MHz	Pass	5.06	14.51	15.37	17.97	23.79	23.03	29.79
5720MHz Straddle 5.47-5.725GHz	Pass	5.06	16.44	17.35	19.93	22.62	24.99	28.62
5720MHz Straddle 5.725-5.85GHz	Pass	5.06	10.24	10.88	13.58	30.00	18.64	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.06	16.18	17.90	20.13	23.89	25.19	29.89
5300MHz	Pass	5.06	15.78	17.36	19.65	23.82	24.71	29.82
5320MHz	Pass	5.06	16.33	18.04	20.28	23.87	25.34	29.87
5500MHz	Pass	5.06	16.67	17.09	19.90	23.98	24.96	30.00
5580MHz	Pass	5.06	16.90	17.71	20.33	23.98	25.39	30.00
5700MHz	Pass	5.06	15.42	16.10	18.78	23.98	23.84	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.06	16.66	17.32	20.01	22.76	25.07	28.76
5720MHz Straddle 5.725-5.85GHz	Pass	5.06	11.27	11.93	14.62	30.00	19.68	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.06	18.43	19.63	22.08	23.98	27.14	30.00
5310MHz	Pass	5.06	13.27	13.87	16.59	23.98	21.65	30.00
5510MHz	Pass	5.06	14.27	15.34	17.85	23.98	22.91	30.00
5550MHz	Pass	5.06	19.49	20.52	23.05	23.98	28.11	30.00
5670MHz	Pass	5.06	15.37	16.18	18.80	23.98	23.86	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.06	19.44	20.35	22.93	23.98	27.99	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.06	8.11	8.81	11.48	30.00	16.54	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	5.06	16.84	18.20	20.58	23.89	25.64	29.89
5300MHz	Pass	5.06	16.37	17.75	20.12	23.86	25.18	29.86
5320MHz	Pass	5.06	16.69	18.43	20.66	23.84	25.72	29.84
5500MHz	Pass	5.06	16.80	17.69	20.28	23.98	25.34	30.00
5580MHz	Pass	5.06	17.39	18.17	20.81	23.98	25.87	30.00
5700MHz	Pass	5.06	15.88	16.48	19.20	23.98	24.26	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.06	17.26	17.77	20.53	22.80	25.59	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	5.06	11.81	12.37	15.11	30.00	20.17	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	5.06	19.02	20.13	22.62	23.98	27.68	30.00
5310MHz	Pass	5.06	13.85	14.33	17.11	23.98	22.17	30.00
5510MHz	Pass	5.06	14.98	15.96	18.51	23.98	23.57	30.00
5550MHz	Pass	5.06	19.94	21.01	23.52	23.98	28.58	30.00
5670MHz	Pass	5.06	15.91	16.71	19.34	23.98	24.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.06	19.88	20.79	23.37	23.98	28.43	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.06	8.57	9.26	11.94	30.00	17.00	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	5.06	12.23	12.92	15.60	23.98	20.66	30.00
5530MHz	Pass	5.06	14.37	15.22	17.83	23.98	22.89	30.00
5610MHz	Pass	5.06	18.63	19.64	22.17	23.98	27.23	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.06	18.97	19.78	22.40	23.98	27.46	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.06	5.18	5.85	8.54	30.00	13.60	36.00

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

802.11a_Nss1,(6Mbps)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

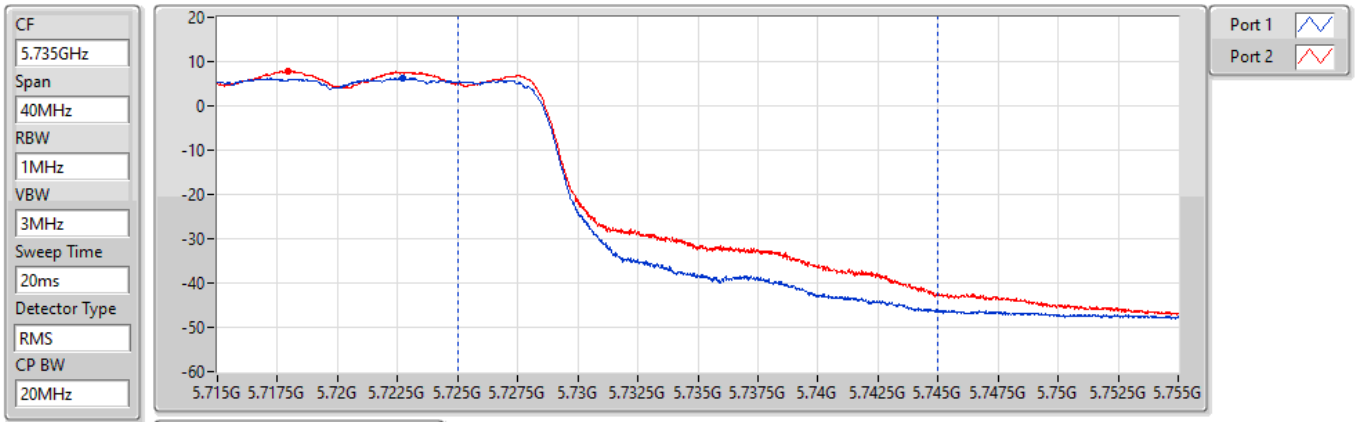


Sum(dBm)	P1(dBm)	P2(dBm)
19.93	16.44	17.35

802.11a_Nss1,(6Mbps)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

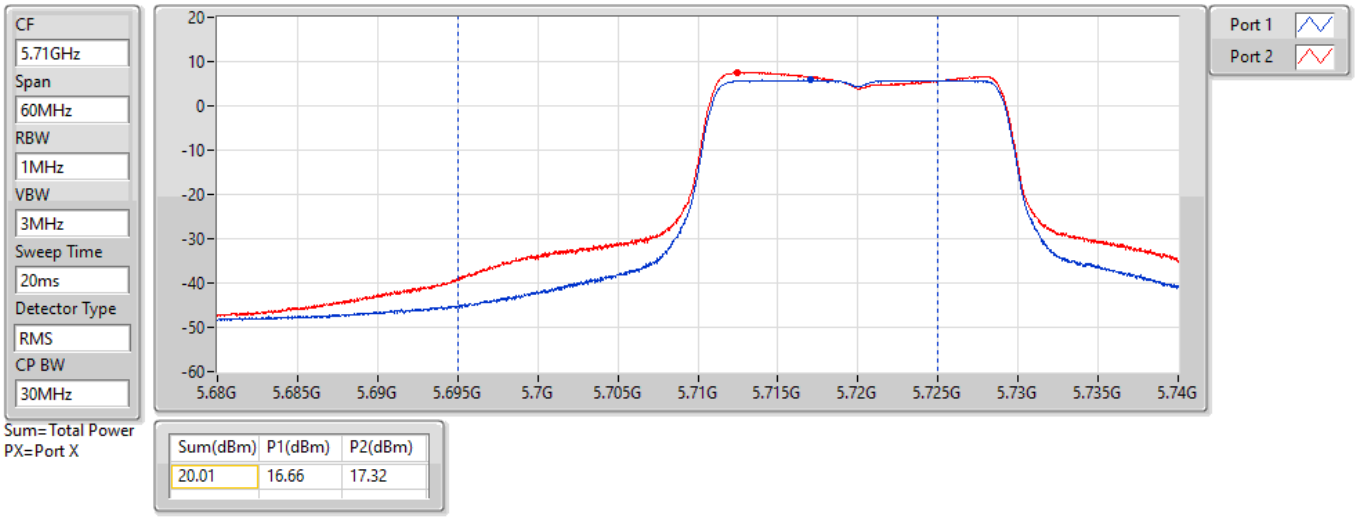


Sum(dBm)	P1(dBm)	P2(dBm)
13.58	10.24	10.88

802.11n HT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

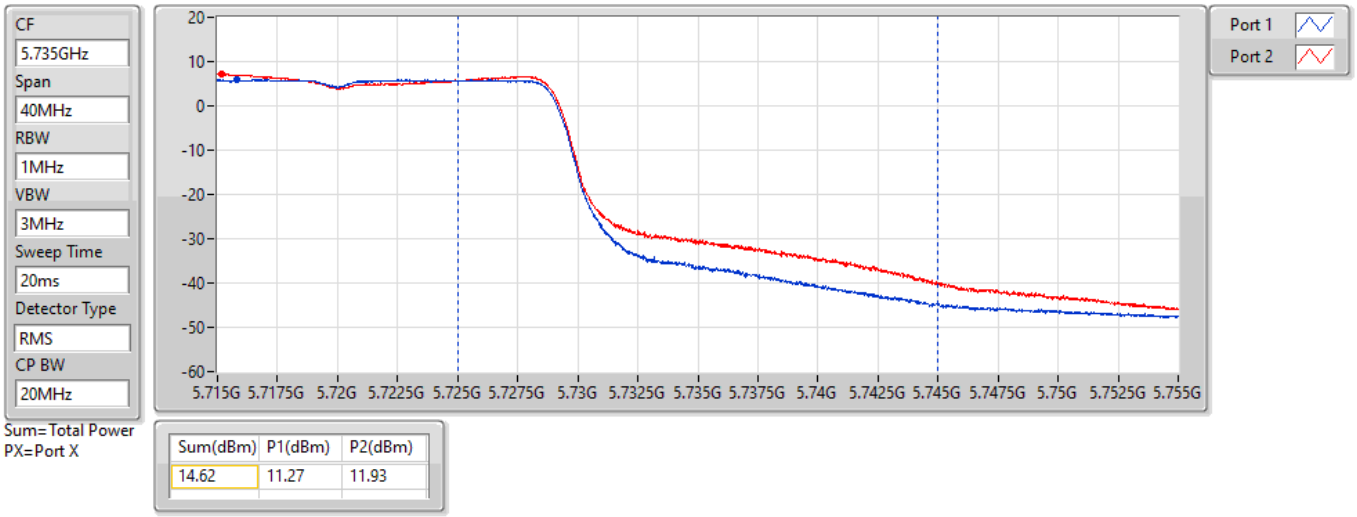


Sum(dBm)	P1(dBm)	P2(dBm)
20.01	16.66	17.32

802.11n HT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

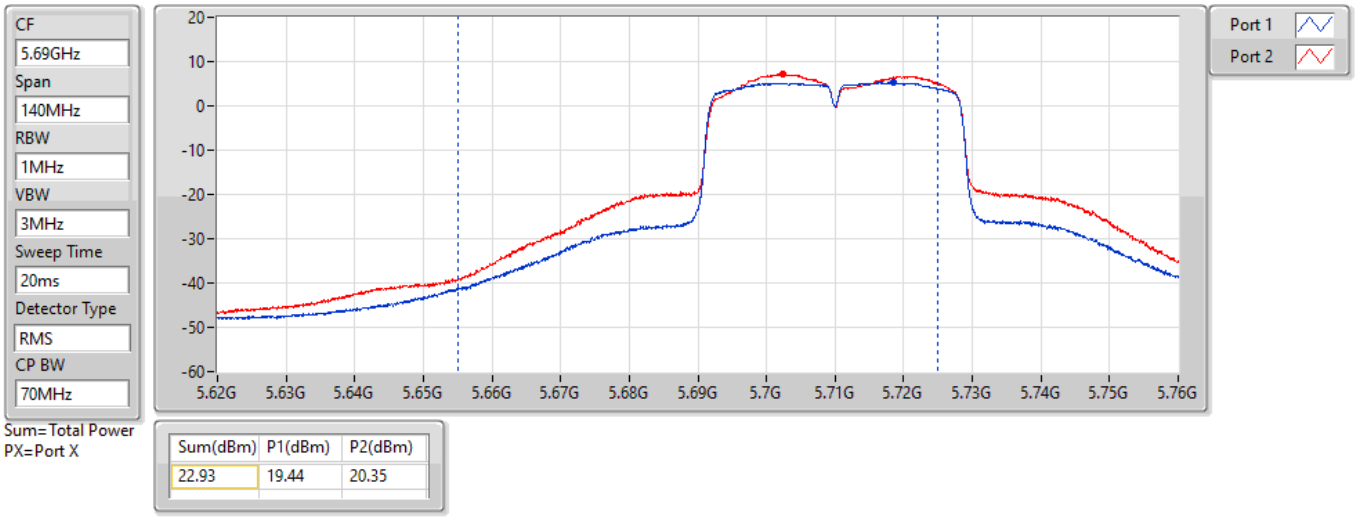


Sum(dBm)	P1(dBm)	P2(dBm)
14.62	11.27	11.93

802.11n HT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

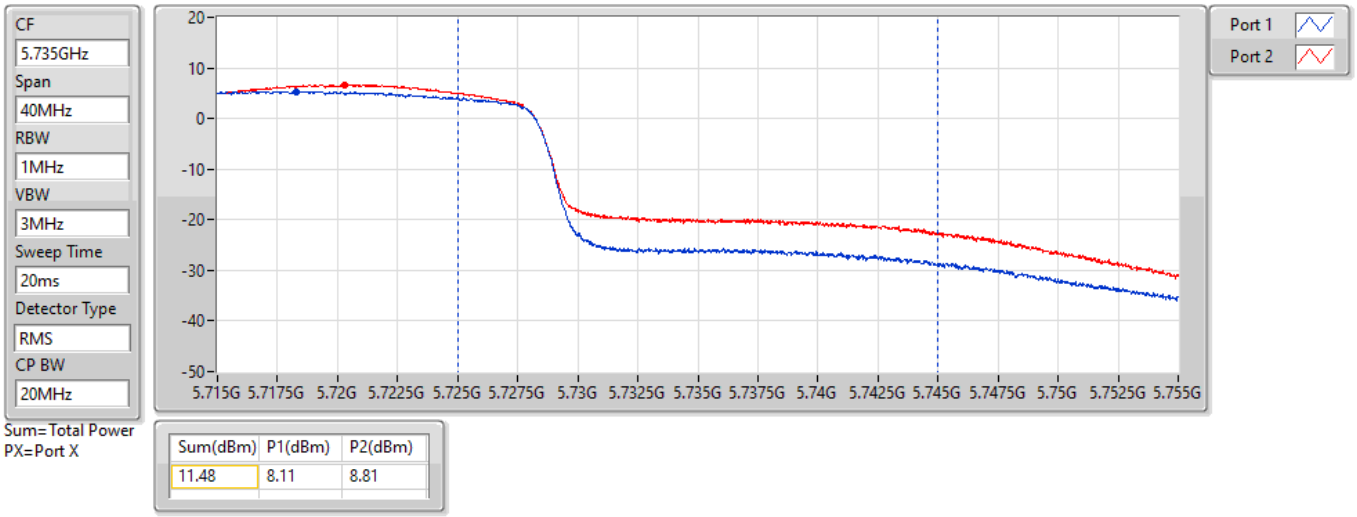


Sum(dBm)	P1(dBm)	P2(dBm)
22.93	19.44	20.35

802.11n HT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

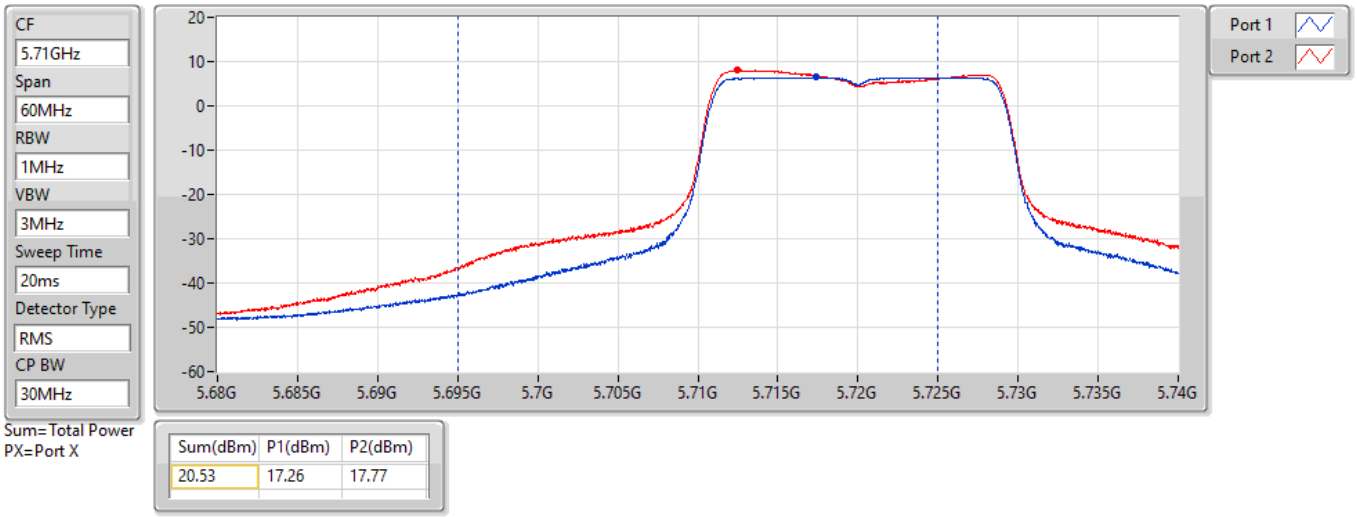


Sum(dBm)	P1(dBm)	P2(dBm)
11.48	8.11	8.81

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

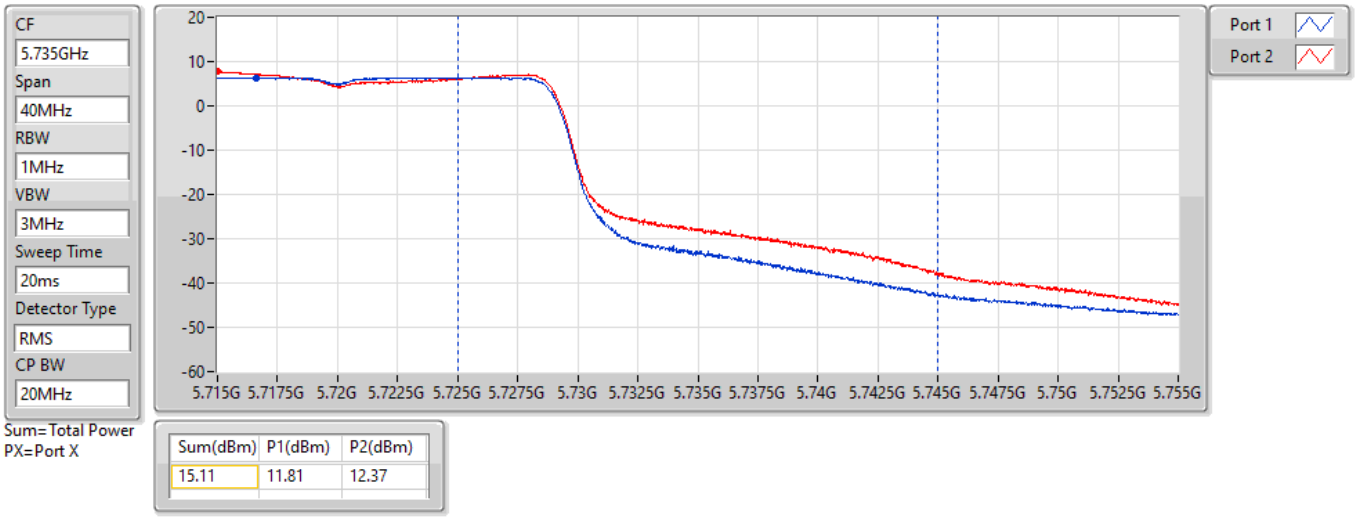


Sum(dBm)	P1(dBm)	P2(dBm)
20.53	17.26	17.77

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

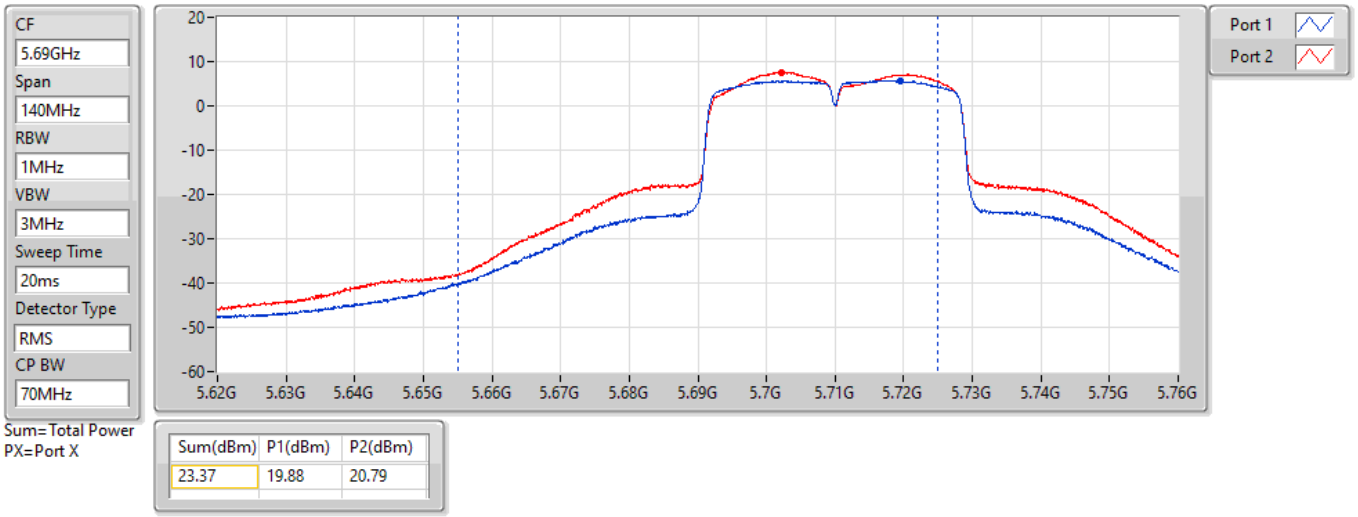


Sum(dBm)	P1(dBm)	P2(dBm)
15.11	11.81	12.37

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

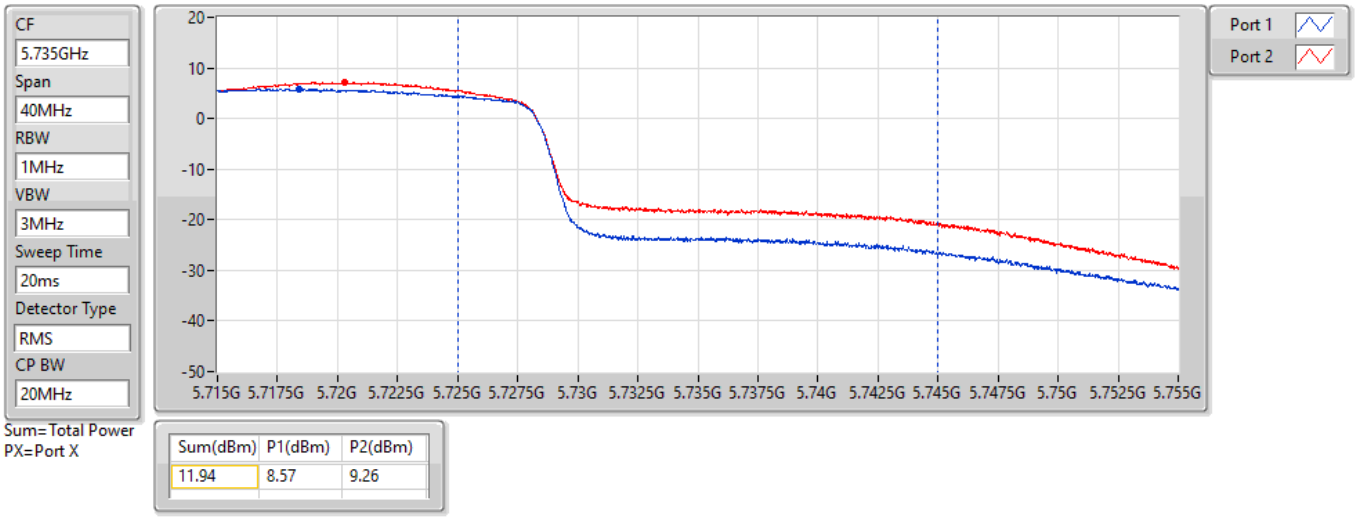


Sum(dBm)	P1(dBm)	P2(dBm)
23.37	19.88	20.79

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

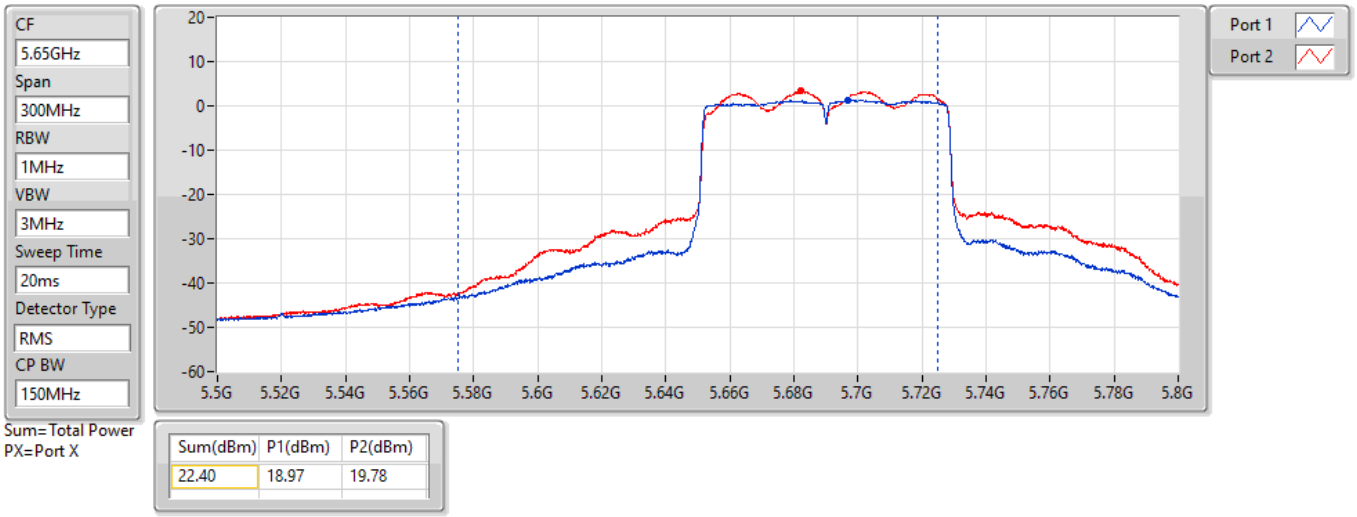


Sum(dBm)	P1(dBm)	P2(dBm)
11.94	8.57	9.26

802.11ac VHT80_Nss1,(MCS0)_2TX AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

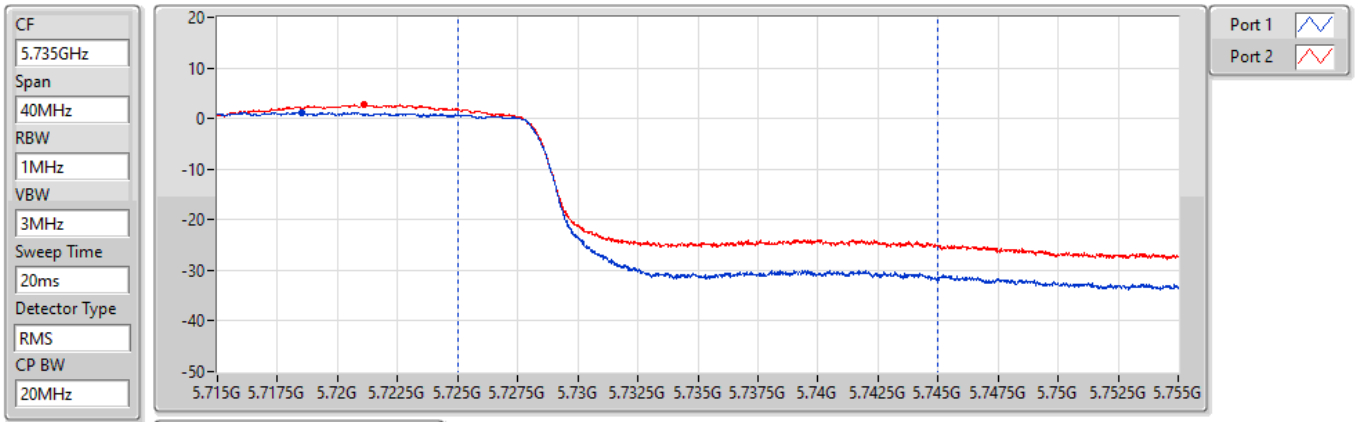


Sum(dBm)	P1(dBm)	P2(dBm)
22.40	18.97	19.78

802.11ac VHT80_Nss1,(MCS0)_2TX AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021



Sum(dBm)	P1(dBm)	P2(dBm)
8.54	5.18	5.85

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.05	0.16032	26.35	0.43152
802.11n HT20_Nss1,(MCS0)_2TX	22.08	0.16144	26.38	0.43451
802.11n HT40_Nss1,(MCS0)_2TX	23.20	0.20893	27.50	0.56234
802.11ac VHT20_Nss1,(MCS0)_2TX	22.28	0.16904	26.58	0.45499
802.11ac VHT40_Nss1,(MCS0)_2TX	23.45	0.22131	27.75	0.59566
802.11ac VHT80_Nss1,(MCS0)_2TX	17.10	0.05129	21.40	0.13804
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.19	0.16558	26.49	0.44566
802.11n HT20_Nss1,(MCS0)_2TX	20.78	0.11967	25.08	0.32211
802.11n HT40_Nss1,(MCS0)_2TX	23.20	0.20893	27.50	0.56234
802.11ac VHT20_Nss1,(MCS0)_2TX	21.94	0.15631	26.24	0.42073
802.11ac VHT40_Nss1,(MCS0)_2TX	23.50	0.22387	27.80	0.60256
802.11ac VHT80_Nss1,(MCS0)_2TX	23.58	0.22803	27.88	0.61376
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.38	0.02742	18.68	0.07379
802.11n HT20_Nss1,(MCS0)_2TX	15.28	0.03373	19.58	0.09078
802.11n HT40_Nss1,(MCS0)_2TX	11.79	0.01510	16.09	0.04064
802.11ac VHT20_Nss1,(MCS0)_2TX	15.76	0.03767	20.06	0.10139
802.11ac VHT40_Nss1,(MCS0)_2TX	12.06	0.01607	16.36	0.04325
802.11ac VHT80_Nss1,(MCS0)_2TX	9.76	0.00946	14.06	0.02547

Result

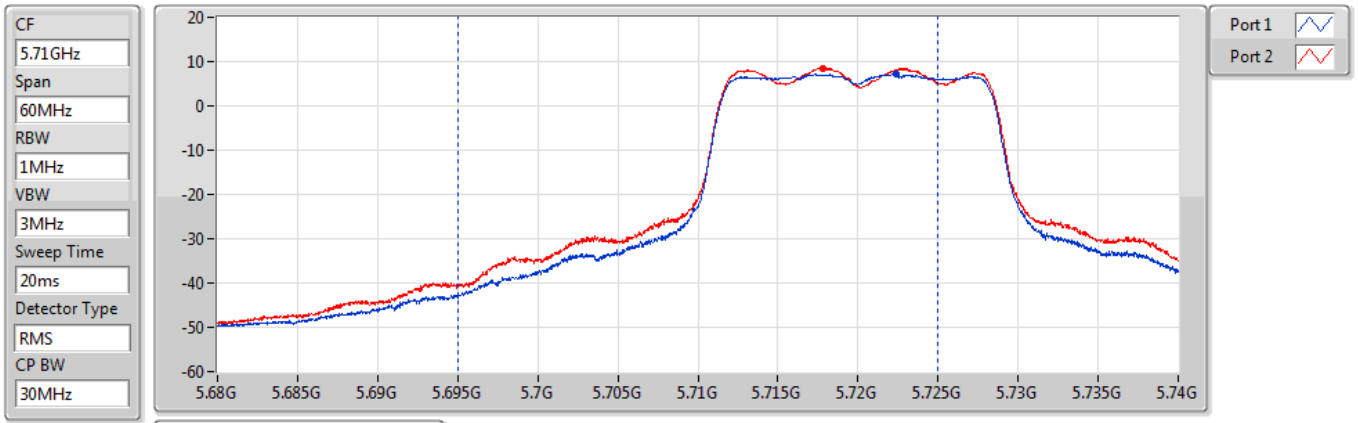
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.30	18.85	18.73	21.80	23.74	26.10	29.74
5300MHz	Pass	4.30	19.04	19.03	22.05	23.76	26.35	29.76
5320MHz	Pass	4.30	17.86	18.24	21.06	23.67	25.36	29.67
5500MHz	Pass	4.30	16.66	17.09	19.89	23.74	24.19	29.74
5580MHz	Pass	4.30	18.87	19.47	22.19	23.98	26.49	30.00
5700MHz	Pass	4.30	15.89	16.37	19.15	23.81	23.45	29.81
5720MHz Straddle 5.47-5.725GHz	Pass	4.30	17.38	17.95	20.68	22.60	24.98	28.60
5720MHz Straddle 5.725-5.85GHz	Pass	4.30	11.22	11.52	14.38	30.00	18.68	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.30	19.03	19.11	22.08	23.94	26.38	29.94
5300MHz	Pass	4.30	18.52	19.10	21.83	23.87	26.13	29.87
5320MHz	Pass	4.30	17.77	18.81	21.33	23.83	25.63	29.83
5500MHz	Pass	4.30	16.27	16.41	19.35	23.97	23.65	29.97
5580MHz	Pass	4.30	18.58	12.47	19.53	23.98	23.83	30.00
5700MHz	Pass	4.30	15.55	15.49	18.53	23.98	22.83	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.30	17.66	17.87	20.78	22.87	25.08	28.87
5720MHz Straddle 5.725-5.85GHz	Pass	4.30	12.11	12.43	15.28	30.00	19.58	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.30	20.31	20.06	23.20	23.98	27.50	30.00
5310MHz	Pass	4.30	13.54	13.61	16.59	23.98	20.89	30.00
5510MHz	Pass	4.30	14.20	14.58	17.40	23.98	21.70	30.00
5550MHz	Pass	4.30	18.05	18.55	21.32	23.98	25.62	30.00
5670MHz	Pass	4.30	16.11	16.28	19.21	23.98	23.51	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.30	19.95	20.42	23.20	23.98	27.50	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.30	8.59	8.96	11.79	30.00	16.09	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.30	19.17	19.36	22.28	23.93	26.58	29.93
5300MHz	Pass	4.30	18.65	19.36	22.03	23.83	26.33	29.83
5320MHz	Pass	4.30	18.41	19.22	21.84	23.85	26.14	29.85
5500MHz	Pass	4.30	15.91	16.91	19.45	23.98	23.75	30.00
5580MHz	Pass	4.30	18.80	19.05	21.94	23.98	26.24	30.00
5700MHz	Pass	4.30	15.52	15.74	18.64	23.98	22.94	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.30	17.93	18.24	21.10	22.86	25.40	28.86
5720MHz Straddle 5.725-5.85GHz	Pass	4.30	12.54	12.95	15.76	30.00	20.06	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.30	20.47	20.41	23.45	23.98	27.75	30.00
5310MHz	Pass	4.30	14.16	14.11	17.15	23.98	21.45	30.00
5510MHz	Pass	4.30	14.57	15.04	17.82	23.98	22.12	30.00
5550MHz	Pass	4.30	18.49	19.15	21.84	23.98	26.14	30.00
5670MHz	Pass	4.30	16.20	16.74	19.49	23.98	23.79	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.30	20.24	20.73	23.50	23.98	27.80	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.30	8.83	9.25	12.06	30.00	16.36	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.30	14.13	14.04	17.10	23.98	21.40	30.00
5530MHz	Pass	4.30	14.59	14.72	17.67	23.98	21.97	30.00
5610MHz	Pass	4.30	18.73	19.23	22.00	23.98	26.30	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.30	20.40	20.74	23.58	23.98	27.88	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.30	6.62	6.88	9.76	30.00	14.06	36.00

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

802.11a_Nss1,(6Mbps)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

15/06/2021

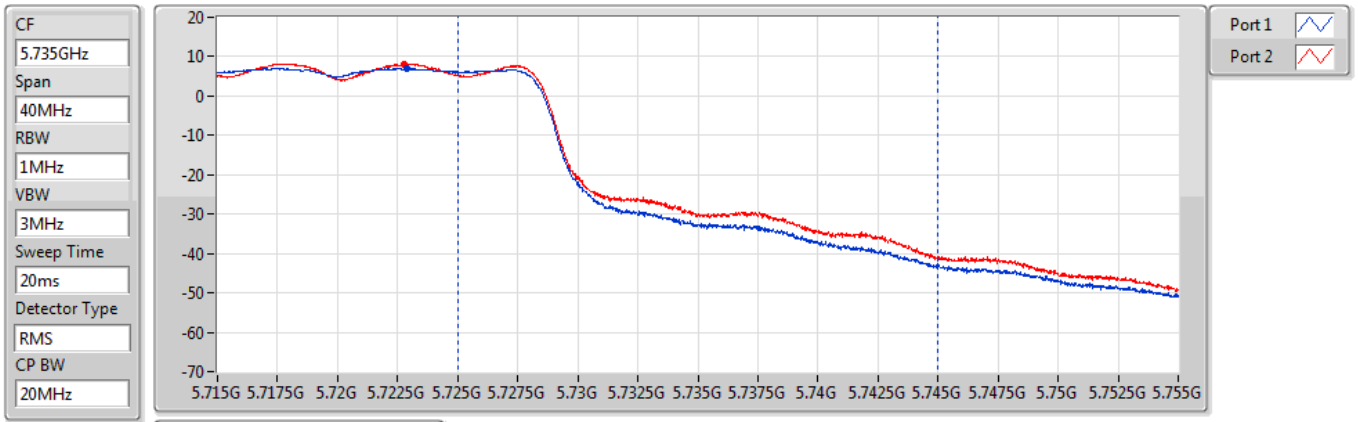


Sum(dBm)	P1(dBm)	P2(dBm)
20.68	17.38	17.95

802.11a_Nss1,(6Mbps)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

15/06/2021

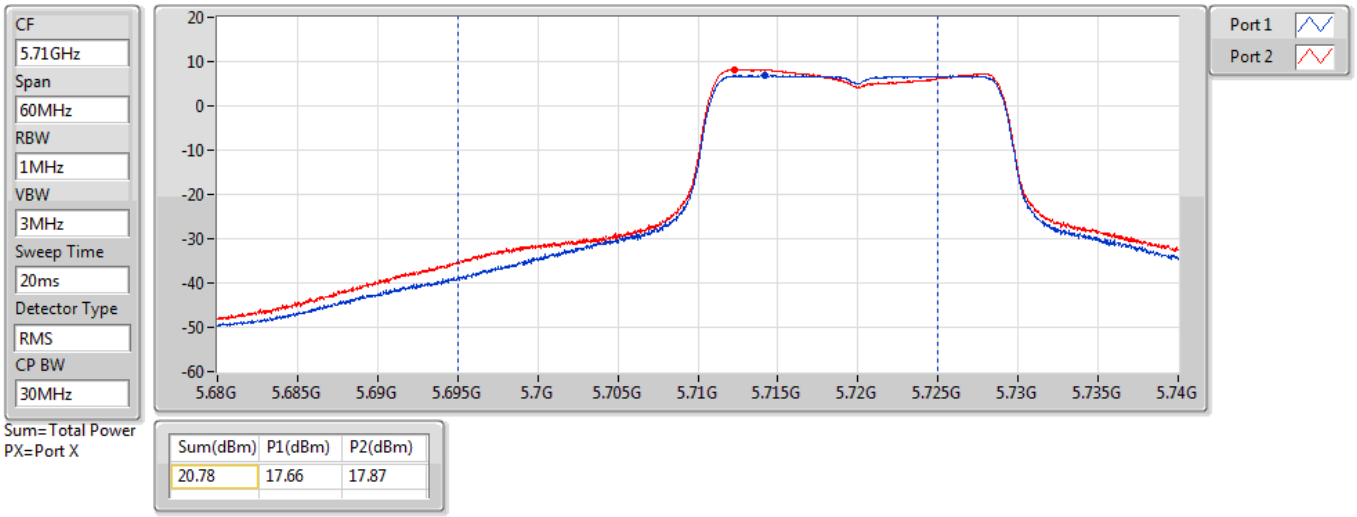


Sum(dBm)	P1(dBm)	P2(dBm)
14.38	11.22	11.52

802.11n HT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

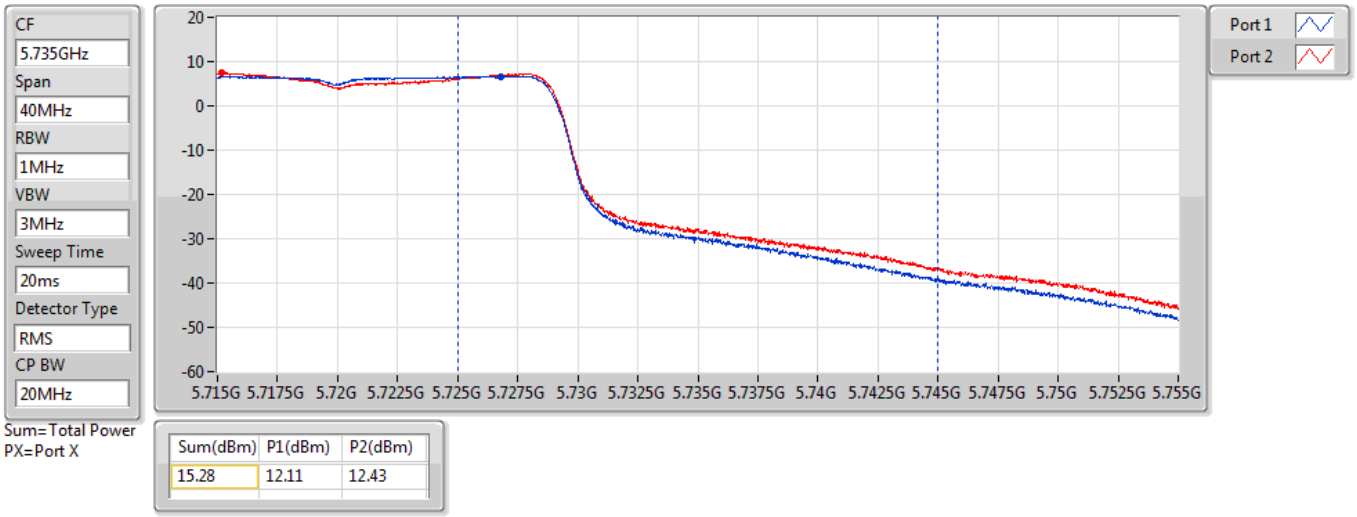


Sum(dBm)	P1(dBm)	P2(dBm)
20.78	17.66	17.87

802.11n HT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

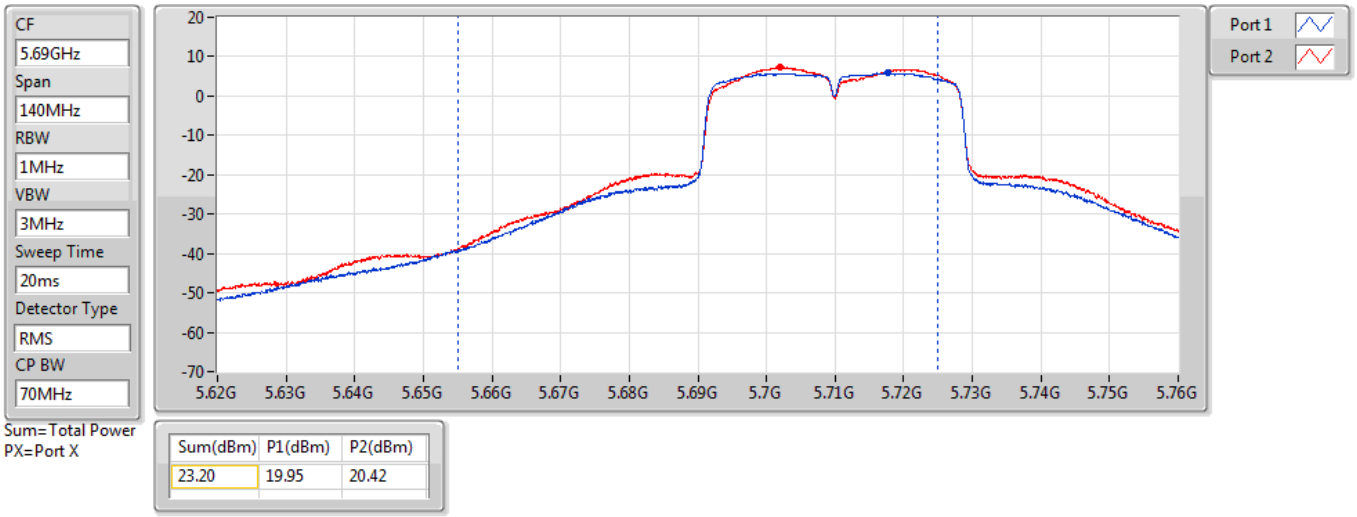


Sum(dBm)	P1(dBm)	P2(dBm)
15.28	12.11	12.43

802.11n HT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

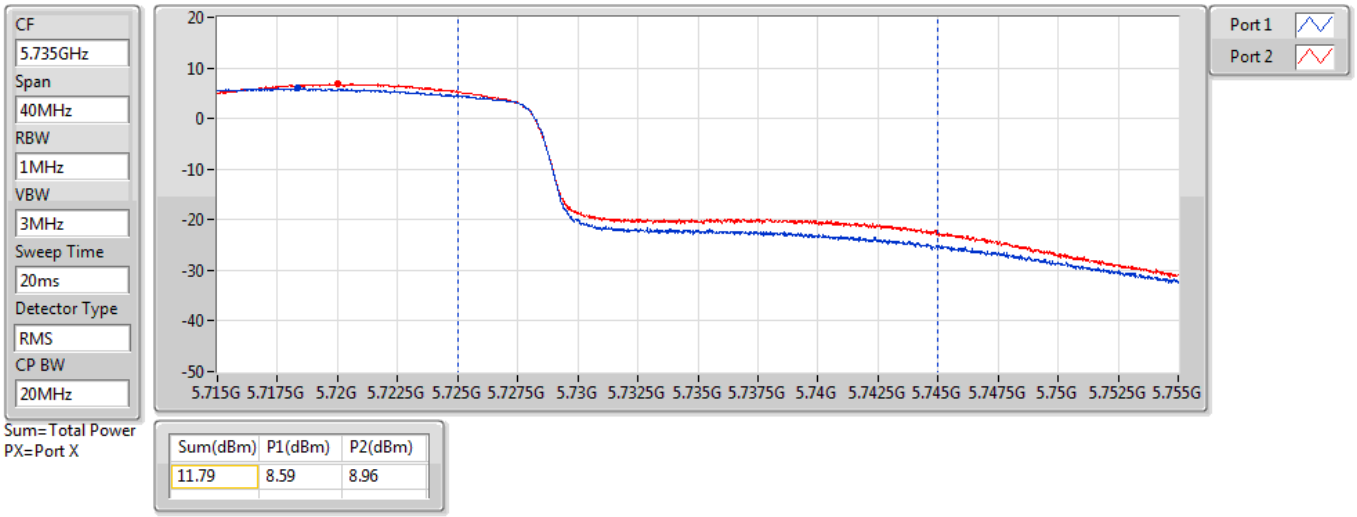


Sum(dBm)	P1(dBm)	P2(dBm)
23.20	19.95	20.42

802.11n HT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

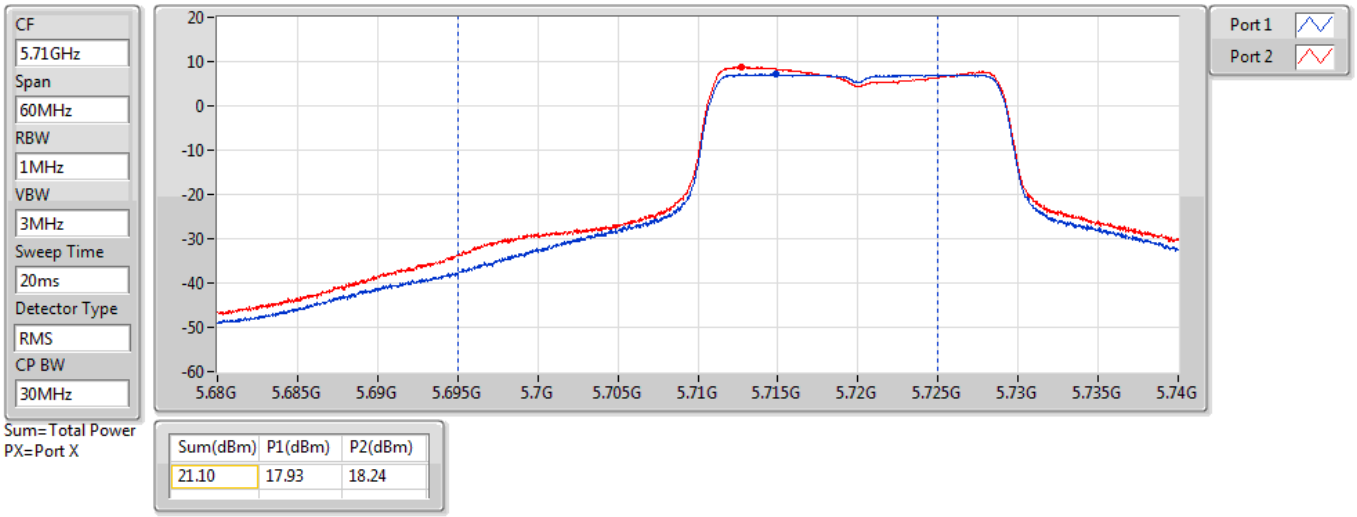


Sum(dBm)	P1(dBm)	P2(dBm)
11.79	8.59	8.96

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

15/06/2021

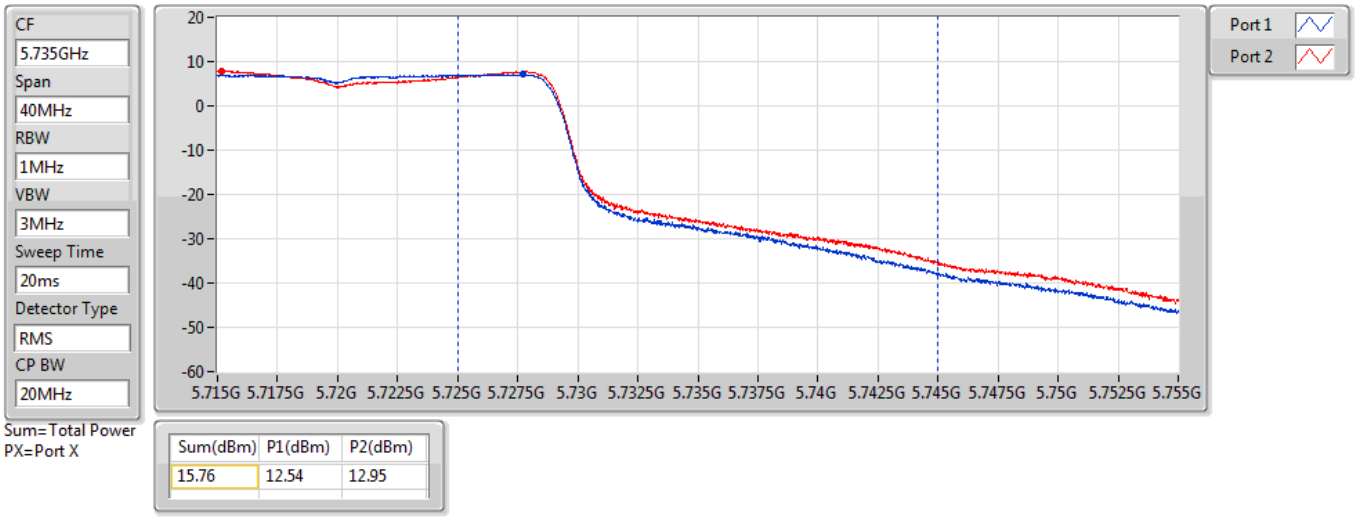


Sum(dBm)	P1(dBm)	P2(dBm)
21.10	17.93	18.24

802.11ac VHT20_Nss1,(MCS0)_2TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

15/06/2021

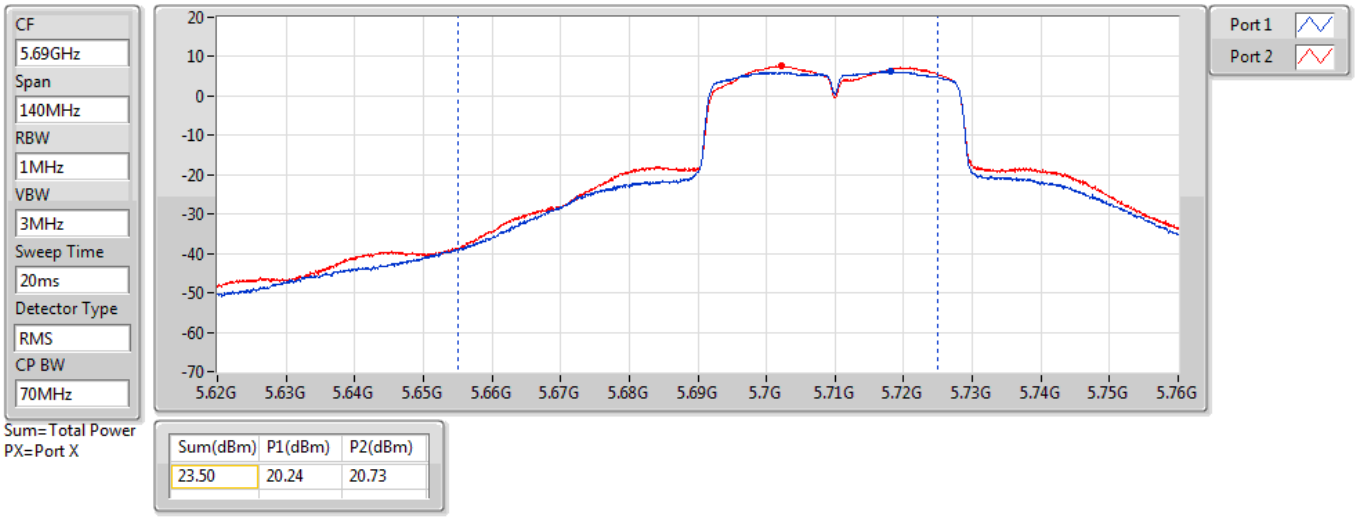


Sum(dBm)	P1(dBm)	P2(dBm)
15.76	12.54	12.95

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

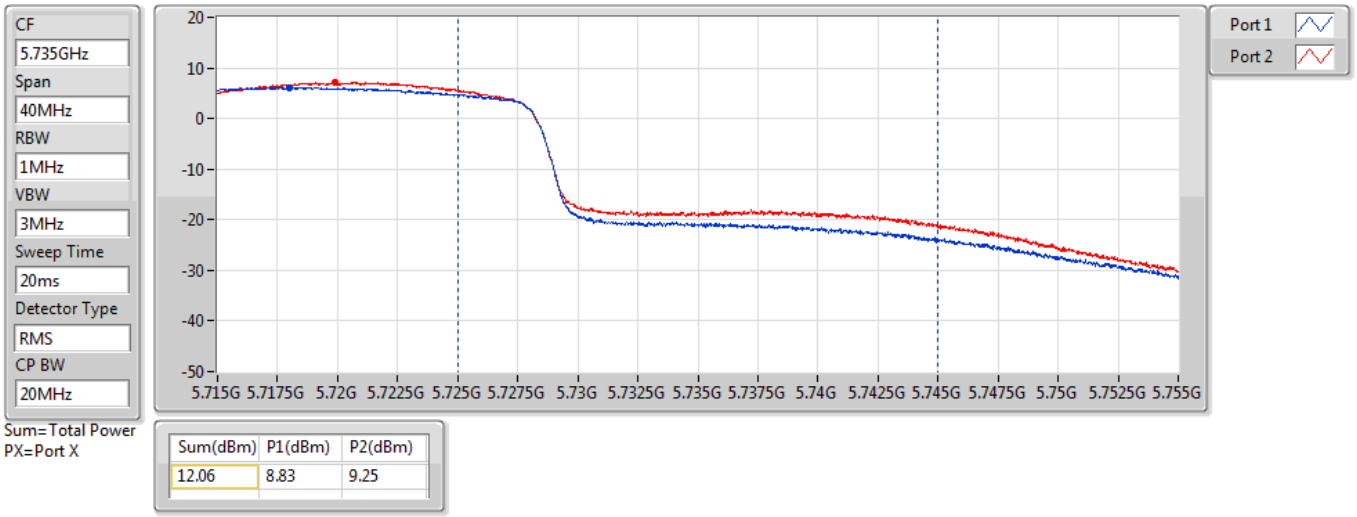


Sum(dBm)	P1(dBm)	P2(dBm)
23.50	20.24	20.73

802.11ac VHT40_Nss1,(MCS0)_2TX AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021

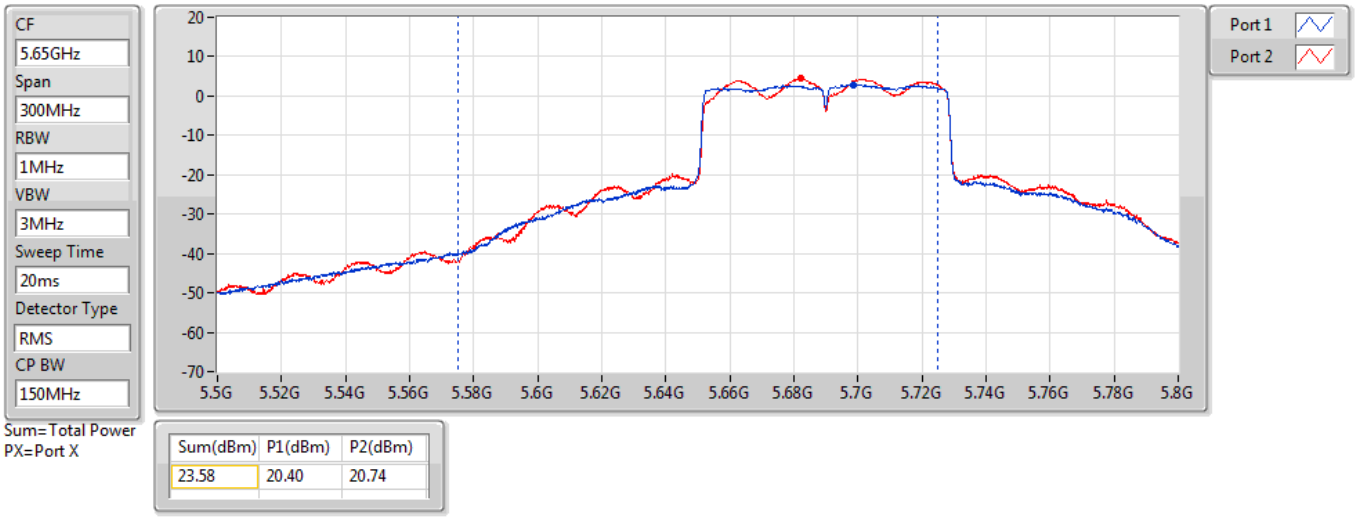


Sum(dBm)	P1(dBm)	P2(dBm)
12.06	8.83	9.25

802.11ac VHT80_Nss1,(MCS0)_2TX AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

16/06/2021

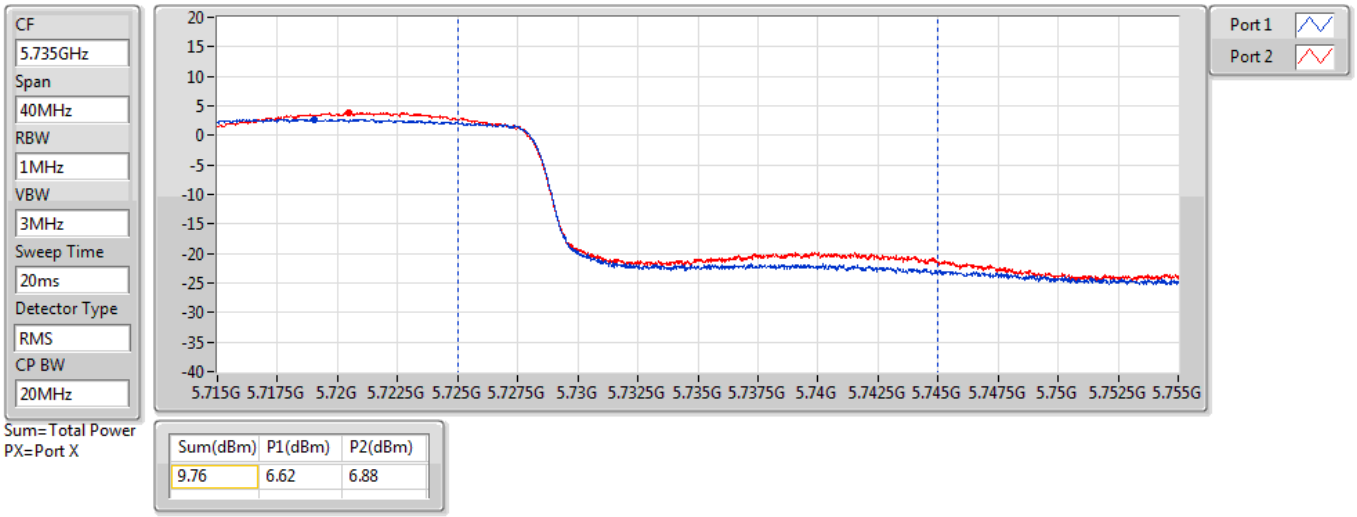


Sum(dBm)	P1(dBm)	P2(dBm)
23.58	20.40	20.74

802.11ac VHT80_Nss1,(MCS0)_2TX AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

16/06/2021



Sum(dBm)	P1(dBm)	P2(dBm)
9.76	6.62	6.88

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.66	0.11641	28.73	0.74645
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	19.61	0.09141	27.68	0.58614
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	15.60	0.03631	23.67	0.23281
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	20.81	0.12050	28.88	0.77268
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	20.51	0.11246	28.58	0.72111
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	19.39	0.08690	27.46	0.55719
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	15.11	0.03243	23.18	0.20797
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	8.93	0.00782	17.00	0.05012
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	5.53	0.00357	13.60	0.02291

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.07	16.84	18.2	20.58	21.82	28.65	29.89
5300MHz	Pass	8.07	16.37	17.75	20.12	21.79	28.19	29.86
5320MHz	Pass	8.07	16.69	18.43	20.66	21.77	28.73	29.84
5500MHz	Pass	8.07	16.8	17.69	20.28	21.91	28.35	30.00
5580MHz	Pass	8.07	17.39	18.17	20.81	21.91	28.88	30.00
5700MHz	Pass	8.07	15.88	16.48	19.20	21.91	27.27	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.07	17.26	17.77	20.53	20.73	28.60	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	8.07	11.81	12.37	15.11	27.93	23.18	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.07	16.01	17.12	19.61	21.91	27.68	30.00
5310MHz	Pass	8.07	13.85	14.33	17.11	21.91	25.18	30.00
5510MHz	Pass	8.07	14.98	15.96	18.51	21.91	26.58	30.00
5550MHz	Pass	8.07	16.93	18	20.51	21.91	28.58	30.00
5670MHz	Pass	8.07	15.91	16.71	19.34	21.91	27.41	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.07	16.87	17.78	20.36	21.91	28.43	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.07	5.56	6.25	8.93	27.93	17.00	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.07	12.23	12.92	15.60	21.91	23.67	30.00
5530MHz	Pass	8.07	14.37	15.22	17.83	21.91	25.90	30.00
5610MHz	Pass	8.07	15.62	16.63	19.16	21.91	27.23	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.07	15.96	16.77	19.39	21.91	27.46	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.07	2.17	2.84	5.53	27.93	13.60	36.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	22.28	0.16904	29.54	0.89950
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	20.49	0.11194	27.75	0.59566
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	17.10	0.05129	24.36	0.27290
5.47-5.725GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	21.94	0.15631	29.20	0.83176
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	21.84	0.15276	29.10	0.81283
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	22.00	0.15849	29.26	0.84333
5.725-5.85GHz	-	-	-	-
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	15.76	0.03767	23.02	0.20045
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	9.10	0.00813	16.36	0.04325
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	6.80	0.00479	14.06	0.02547

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ac VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.26	19.17	19.36	22.28	22.67	29.54	29.93
5300MHz	Pass	7.26	18.65	19.36	22.03	22.57	29.29	29.83
5320MHz	Pass	7.26	18.41	19.22	21.84	22.59	29.10	29.85
5500MHz	Pass	7.26	15.91	16.91	19.45	22.72	26.71	30.00
5580MHz	Pass	7.26	18.8	19.05	21.94	22.72	29.20	30.00
5700MHz	Pass	7.26	15.52	15.74	18.64	22.72	25.90	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.26	17.93	18.24	21.10	21.60	28.36	28.86
5720MHz Straddle 5.725-5.85GHz	Pass	7.26	12.54	12.95	15.76	28.74	23.02	36.00
802.11ac VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.26	17.51	17.45	20.49	22.72	27.75	30.00
5310MHz	Pass	7.26	14.16	14.11	17.15	22.72	24.41	30.00
5510MHz	Pass	7.26	14.57	15.04	17.82	22.72	25.08	30.00
5550MHz	Pass	7.26	18.49	19.15	21.84	22.72	29.10	30.00
5670MHz	Pass	7.26	16.2	16.74	19.49	22.72	26.75	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.26	17.28	17.77	20.54	22.72	27.80	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.26	5.87	6.29	9.10	28.74	16.36	36.00
802.11ac VHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.26	14.13	14.04	17.10	22.72	24.36	30.00
5530MHz	Pass	7.26	14.59	14.72	17.67	22.72	24.93	30.00
5610MHz	Pass	7.26	18.73	19.23	22.00	22.72	29.26	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.26	17.44	17.78	20.62	22.72	27.88	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.26	3.66	3.92	6.80	28.74	14.06	36.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.57	16.64
802.11n HT20_Nss1,(MCS0)_2TX	8.44	16.51
802.11n HT40_Nss1,(MCS0)_2TX	7.92	15.99
802.11ac VHT20_Nss1,(MCS0)_2TX	8.88	16.95
802.11ac VHT40_Nss1,(MCS0)_2TX	8.52	16.59
802.11ac VHT80_Nss1,(MCS0)_2TX	-2.09	5.98
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	8.67	16.74
802.11n HT20_Nss1,(MCS0)_2TX	8.19	16.26
802.11n HT40_Nss1,(MCS0)_2TX	8.26	16.33
802.11ac VHT20_Nss1,(MCS0)_2TX	8.72	16.79
802.11ac VHT40_Nss1,(MCS0)_2TX	8.73	16.80
802.11ac VHT80_Nss1,(MCS0)_2TX	4.15	12.22
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	6.38	14.45
802.11n HT20_Nss1,(MCS0)_2TX	6.19	14.26
802.11n HT40_Nss1,(MCS0)_2TX	4.52	12.59
802.11ac VHT20_Nss1,(MCS0)_2TX	6.68	14.75
802.11ac VHT40_Nss1,(MCS0)_2TX	4.87	12.94
802.11ac VHT80_Nss1,(MCS0)_2TX	1.28	9.35

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

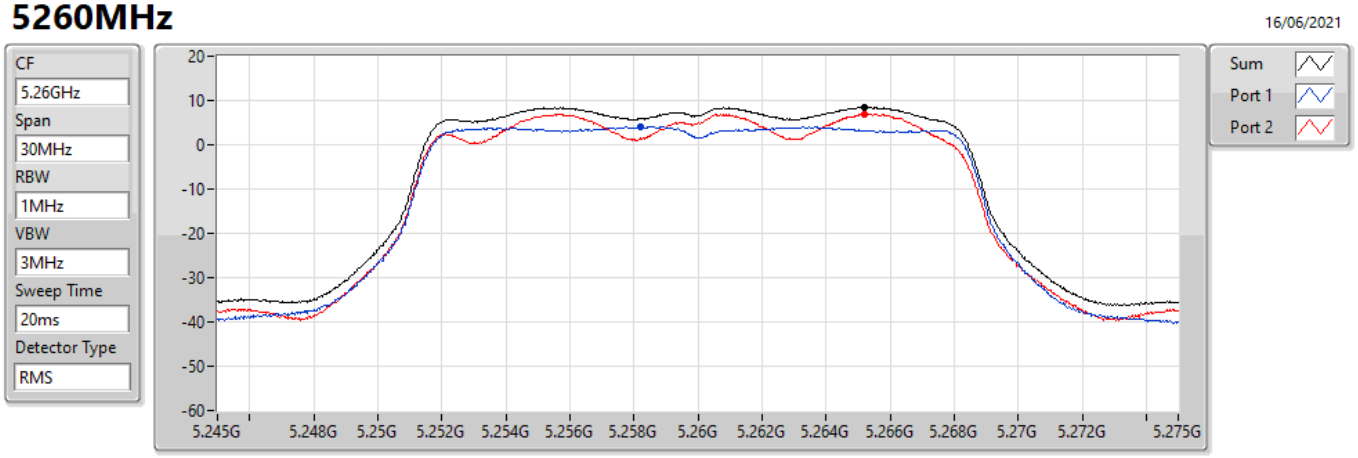
Result

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	-	-	-	-	-	-	-	-
5260MHz	Pass	8.07	4.08	6.91	8.46	8.93	16.53	17.00
5300MHz	Pass	8.07	4.08	6.83	8.50	8.93	16.57	17.00
5320MHz	Pass	8.07	3.97	6.98	8.57	8.93	16.64	17.00
5500MHz	Pass	8.07	4.31	6.33	8.32	8.93	16.39	17.00
5580MHz	Pass	8.07	4.74	6.81	8.67	8.93	16.74	17.00
5700MHz	Pass	8.07	2.25	4.11	6.17	8.93	14.24	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.07	4.70	6.34	8.54	8.93	16.61	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.07	2.63	4.09	6.38	27.93	14.45	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.07	3.59	6.96	8.44	8.93	16.51	17.00
5300MHz	Pass	8.07	3.27	6.45	7.99	8.93	16.06	17.00
5320MHz	Pass	8.07	3.66	6.89	8.42	8.93	16.49	17.00
5500MHz	Pass	8.07	4.14	5.98	8.02	8.93	16.09	17.00
5580MHz	Pass	8.07	4.45	6.19	8.11	8.93	16.18	17.00
5700MHz	Pass	8.07	2.51	4.37	6.37	8.93	14.44	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.07	4.31	6.13	8.19	8.93	16.26	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.07	2.80	3.65	6.19	27.93	14.26	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.07	3.27	6.44	7.92	8.93	15.99	17.00
5310MHz	Pass	8.07	-2.19	0.78	2.45	8.93	10.52	17.00
5510MHz	Pass	8.07	-0.62	1.50	3.45	8.93	11.52	17.00
5550MHz	Pass	8.07	4.32	6.37	8.26	8.93	16.33	17.00
5670MHz	Pass	8.07	-0.01	1.96	3.88	8.93	11.95	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.07	3.79	5.68	7.76	8.93	15.83	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.07	1.02	1.99	4.52	27.93	12.59	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	8.07	4.15	7.42	8.88	8.93	16.95	17.00
5300MHz	Pass	8.07	3.84	6.74	8.34	8.93	16.41	17.00
5320MHz	Pass	8.07	4.09	7.33	8.87	8.93	16.94	17.00
5500MHz	Pass	8.07	4.58	6.56	8.51	8.93	16.58	17.00
5580MHz	Pass	8.07	4.91	6.69	8.60	8.93	16.67	17.00
5700MHz	Pass	8.07	2.94	4.69	6.76	8.93	14.83	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.07	4.87	6.52	8.72	8.93	16.79	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	8.07	3.40	4.15	6.68	27.93	14.75	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	8.07	3.80	7.05	8.52	8.93	16.59	17.00
5310MHz	Pass	8.07	-1.60	1.34	2.95	8.93	11.02	17.00
5510MHz	Pass	8.07	-0.13	2.08	3.99	8.93	12.06	17.00
5550MHz	Pass	8.07	4.92	6.81	8.73	8.93	16.80	17.00
5670MHz	Pass	8.07	0.59	2.46	4.44	8.93	12.51	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.07	4.28	6.12	8.19	8.93	16.26	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.07	1.34	2.35	4.87	27.93	12.94	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	8.07	-6.43	-3.68	-2.09	8.93	5.98	17.00
5530MHz	Pass	8.07	-4.34	-2.09	-0.17	8.93	7.90	17.00
5610MHz	Pass	8.07	0.23	2.24	4.15	8.93	12.22	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.07	-0.20	1.75	3.77	8.93	11.84	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.07	-2.32	-1.15	1.28	27.93	9.35	36.00

DG = Directional Gain; RBW = 500kHz 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;

802.11a_Nss1,(6Mbps)_2TX PSD

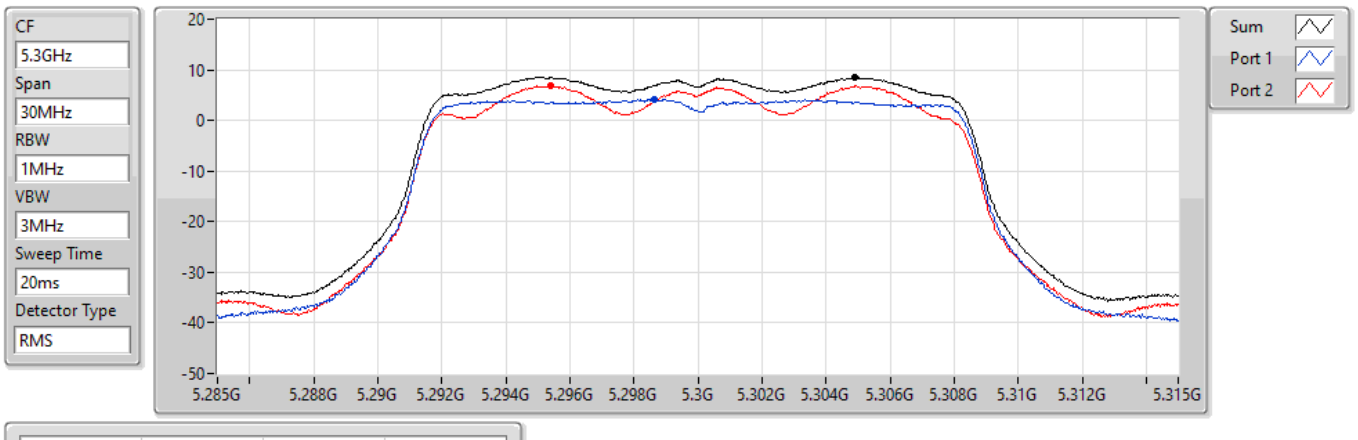
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.46	8.46	4.08	6.91

802.11a_Nss1,(6Mbps)_2TX PSD

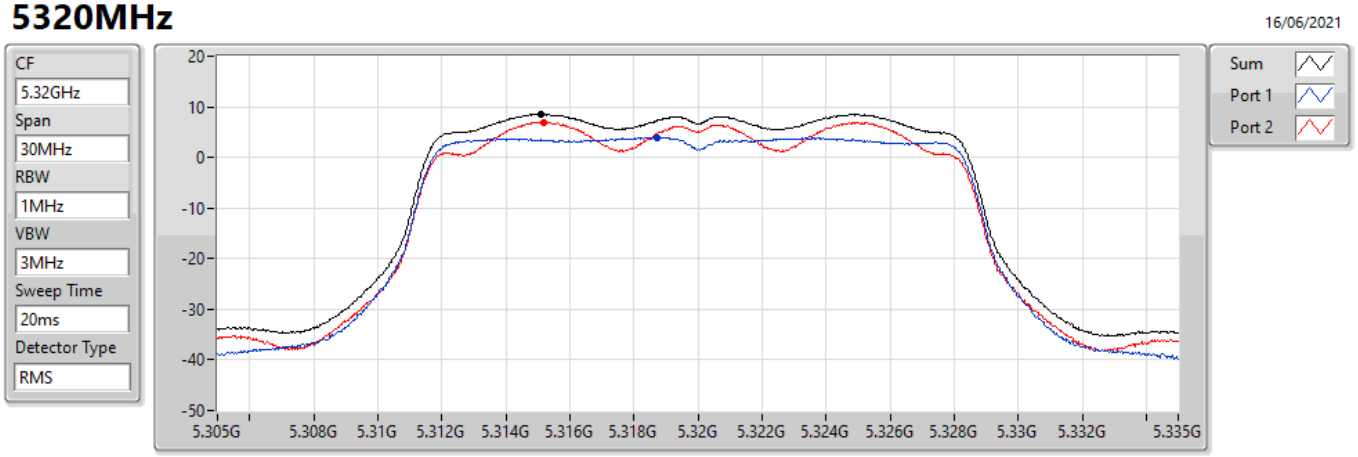
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.50	8.50	4.08	6.83

802.11a_Nss1,(6Mbps)_2TX PSD

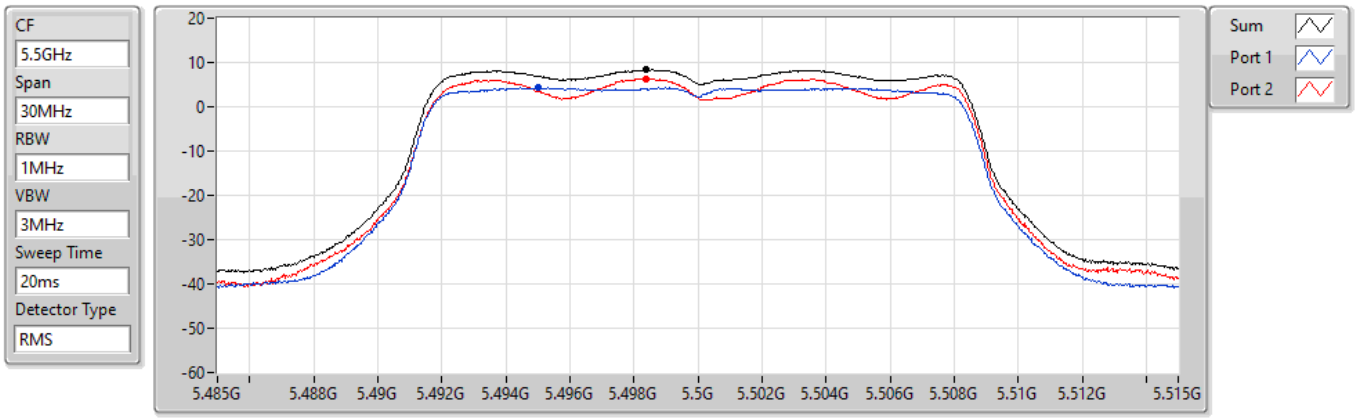
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.57	8.57	3.97	6.98

802.11a_Nss1,(6Mbps)_2TX PSD

5500MHz



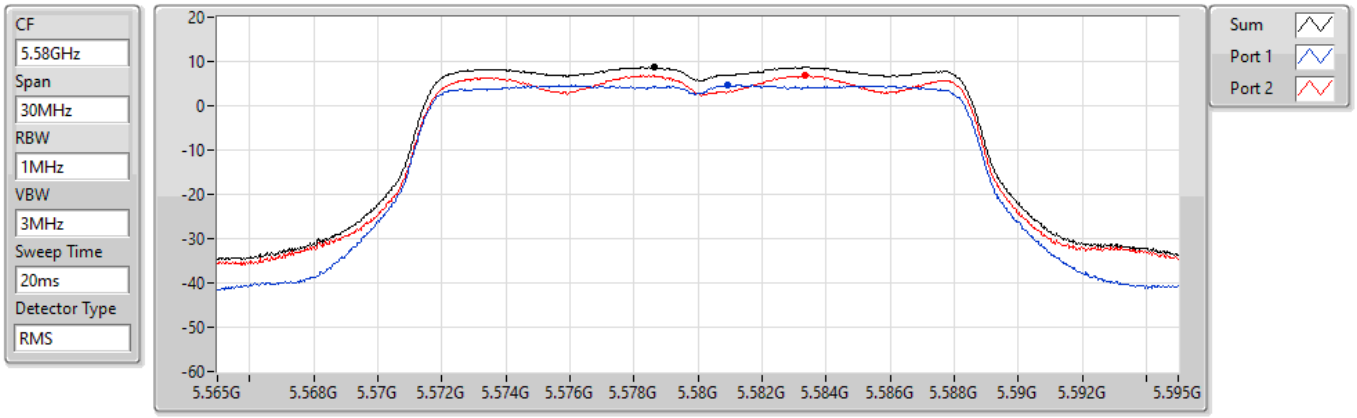
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.32	8.32	4.31	6.33

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

16/06/2021



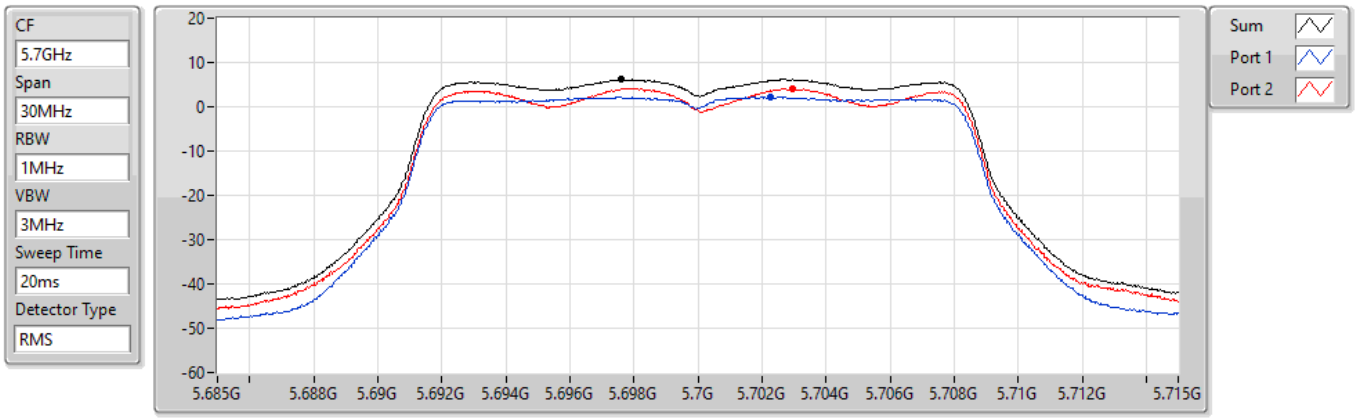
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.67	8.67	4.74	6.81

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

16/06/2021

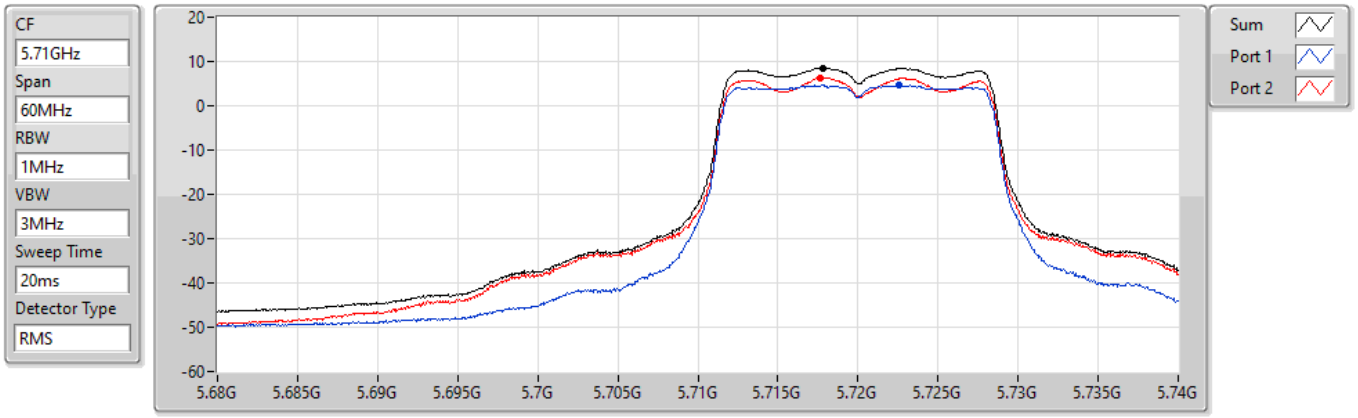


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	2.25	4.11

802.11a_Nss1,(6Mbps)_2TX PSD

5720MHz Straddle 5.47-5.725GHz

16/06/2021

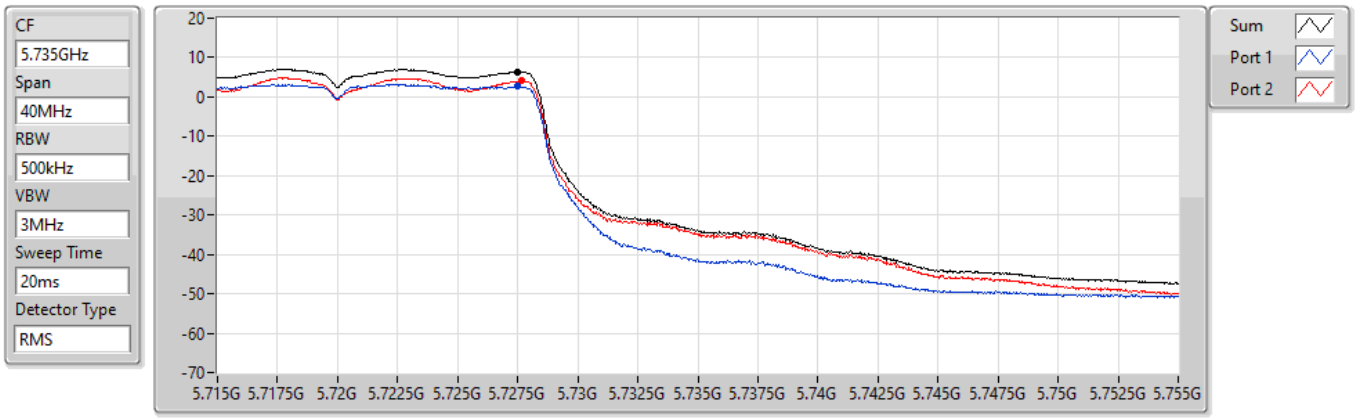


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.54	8.54	4.70	6.34

802.11a_Nss1,(6Mbps)_2TX PSD

5720MHz Straddle 5.725-5.85GHz

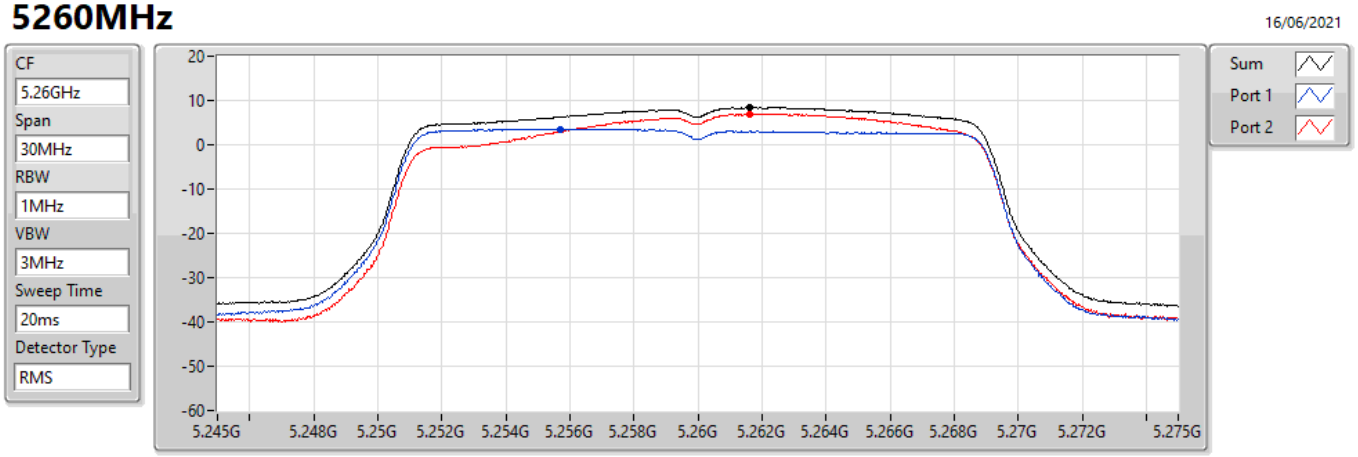
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.38	6.38	2.63	4.09

802.11n HT20_Nss1,(MCS0)_2TX PSD

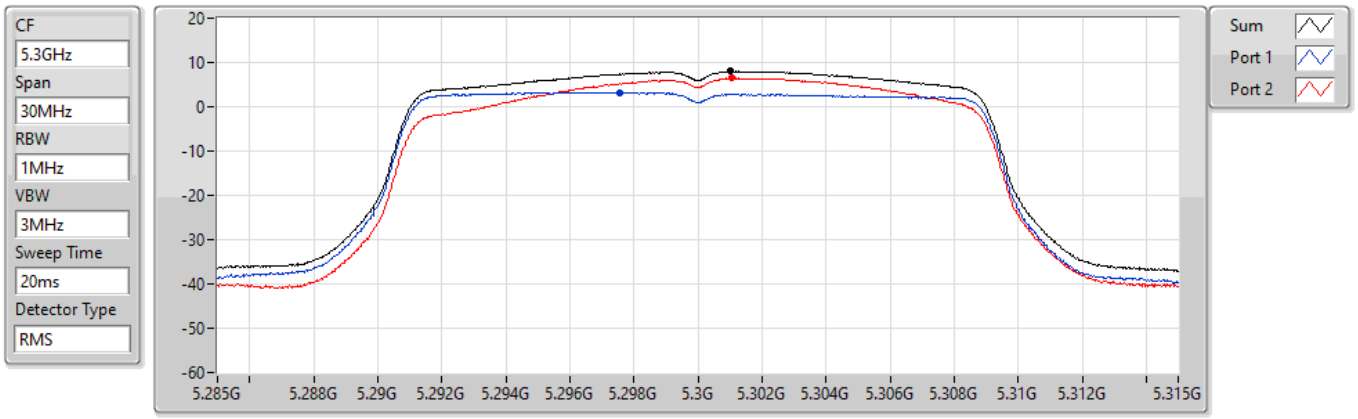
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.44	8.44	3.59	6.96

802.11n HT20_Nss1,(MCS0)_2TX PSD

5300MHz

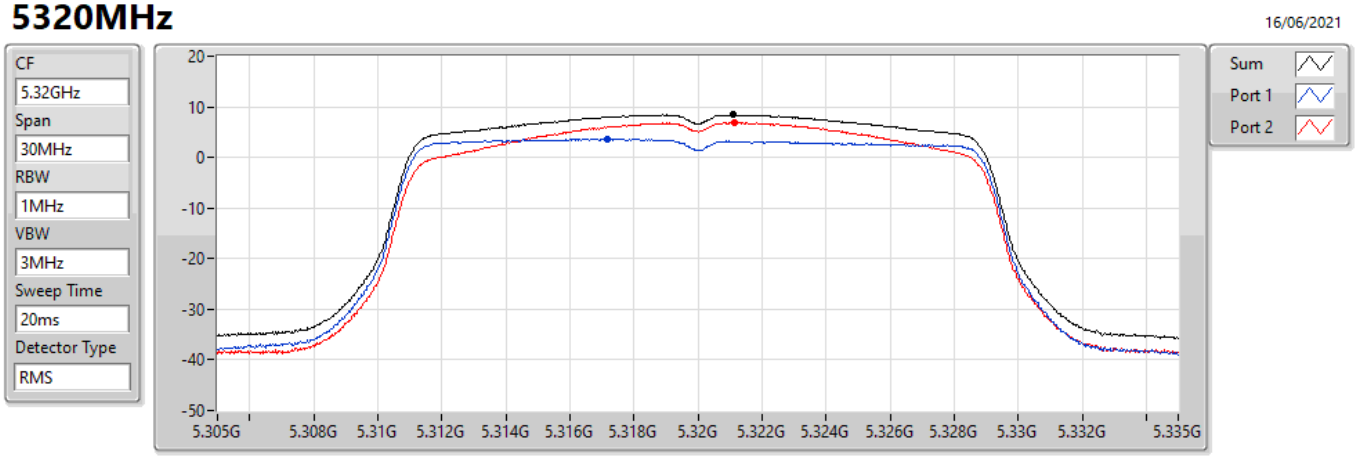


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.99	7.99	3.27	6.45

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

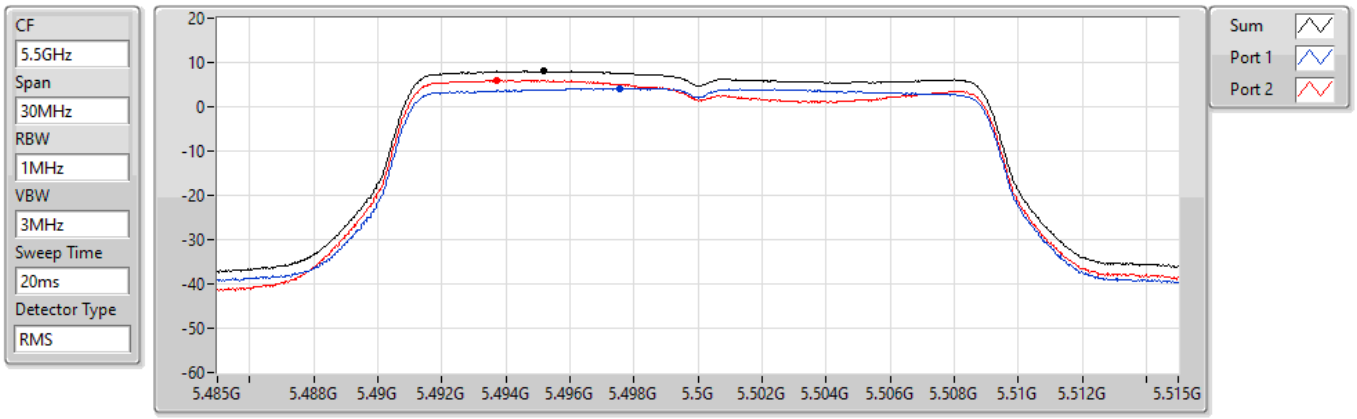


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.42	8.42	3.66	6.89

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz



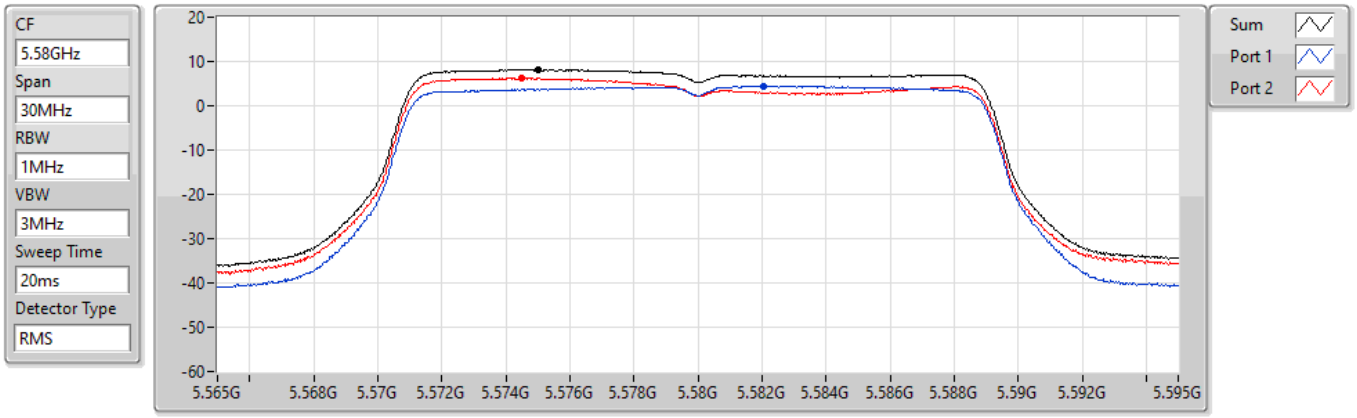
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	4.14	5.98

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

16/06/2021



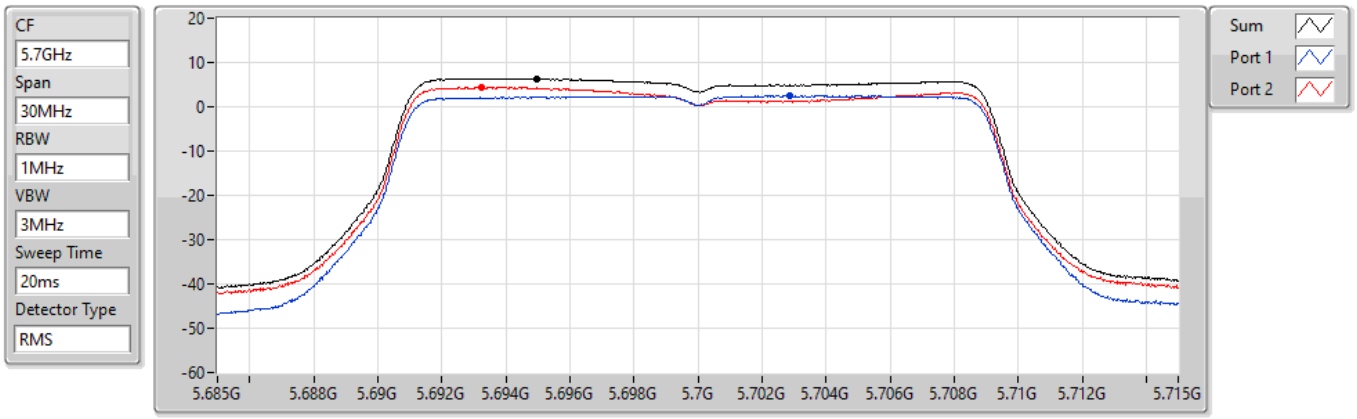
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.11	8.11	4.45	6.19

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

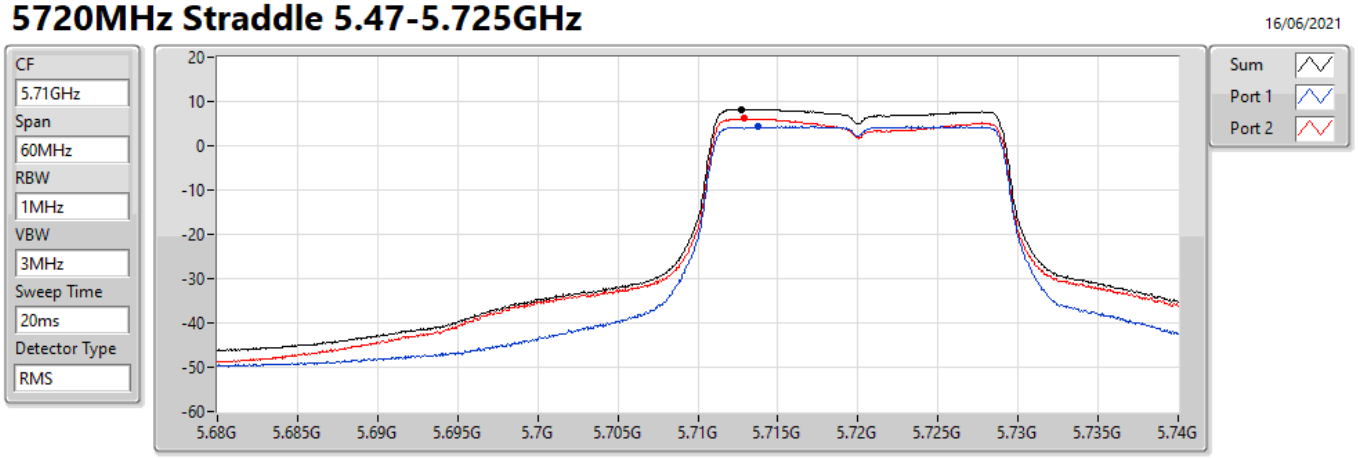
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.37	6.37	2.51	4.37

802.11n HT20_Nss1,(MCS0)_2TX PSD

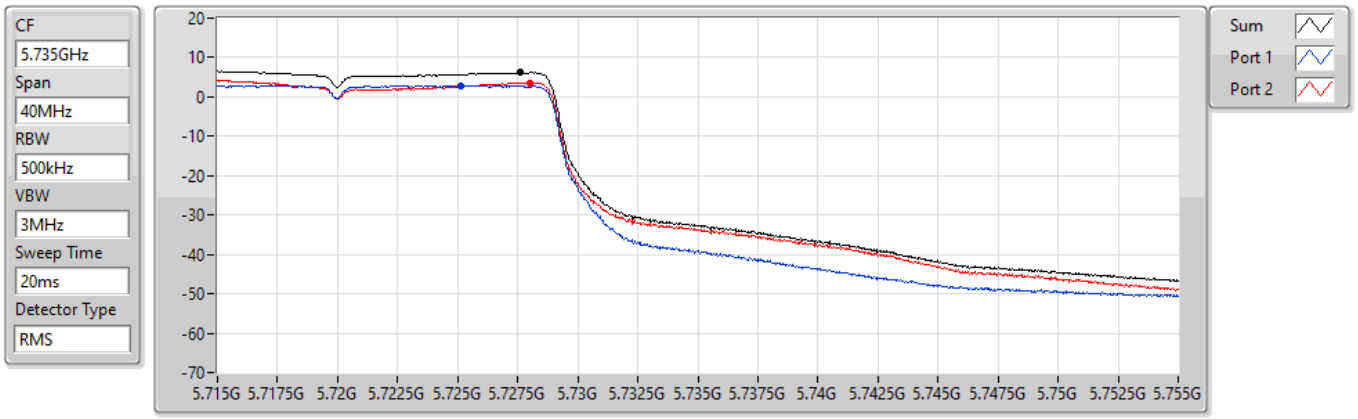
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.19	8.19	4.31	6.13

802.11n HT20_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.725-5.85GHz



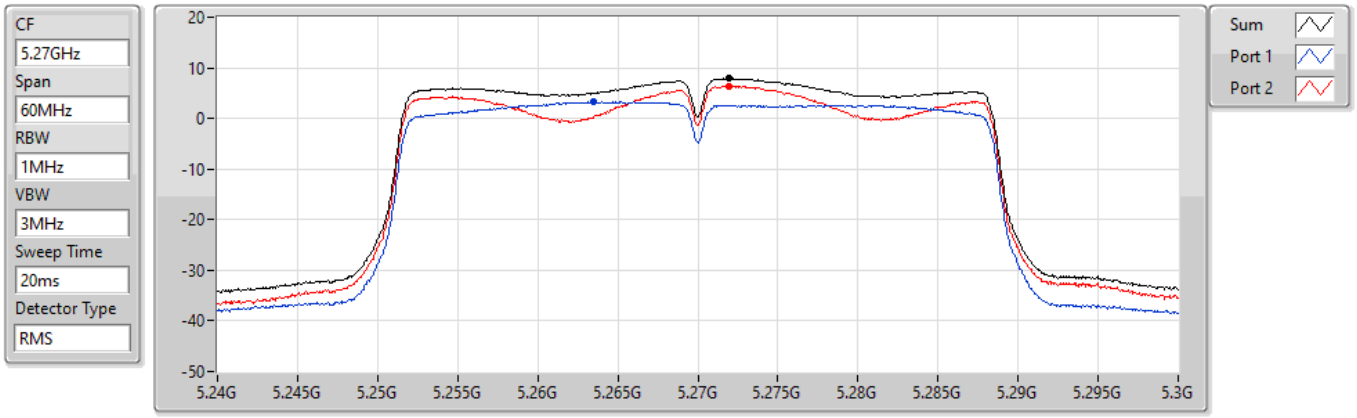
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.19	6.19	2.80	3.65

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5270MHz

16/06/2021



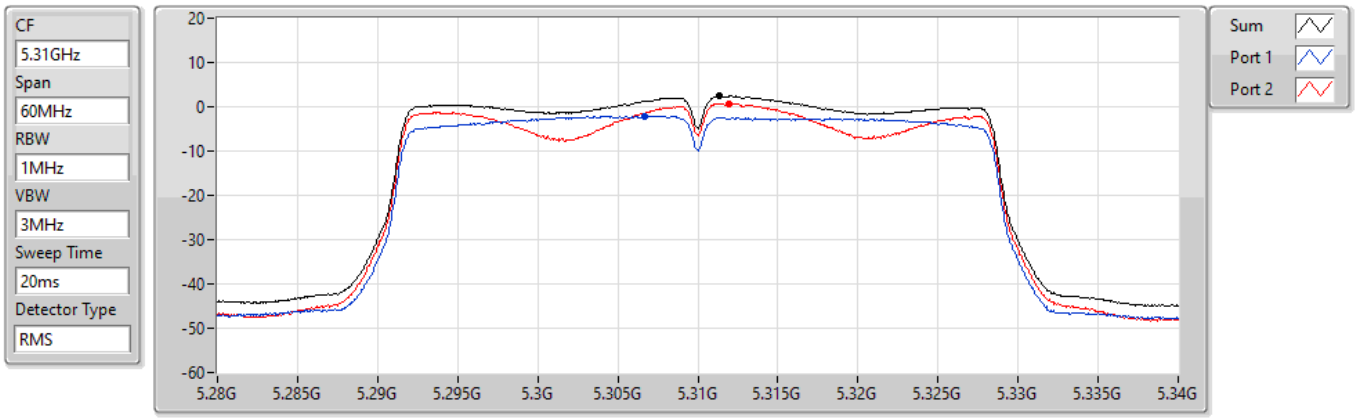
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.92	7.92	3.27	6.44

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5310MHz

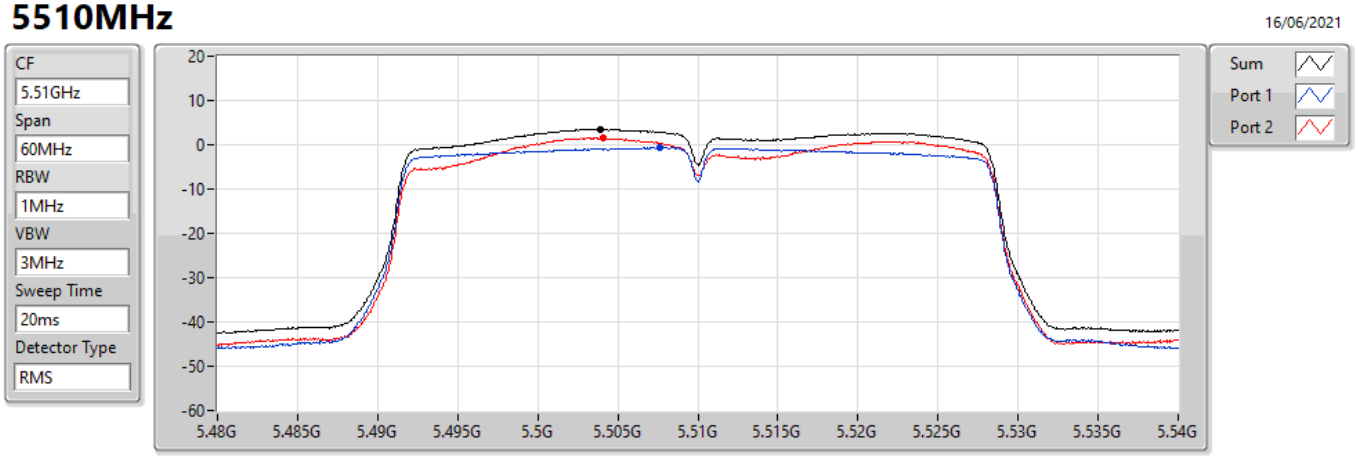
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.45	2.45	-2.19	0.78

802.11n HT40_Nss1,(MCS0)_2TX PSD

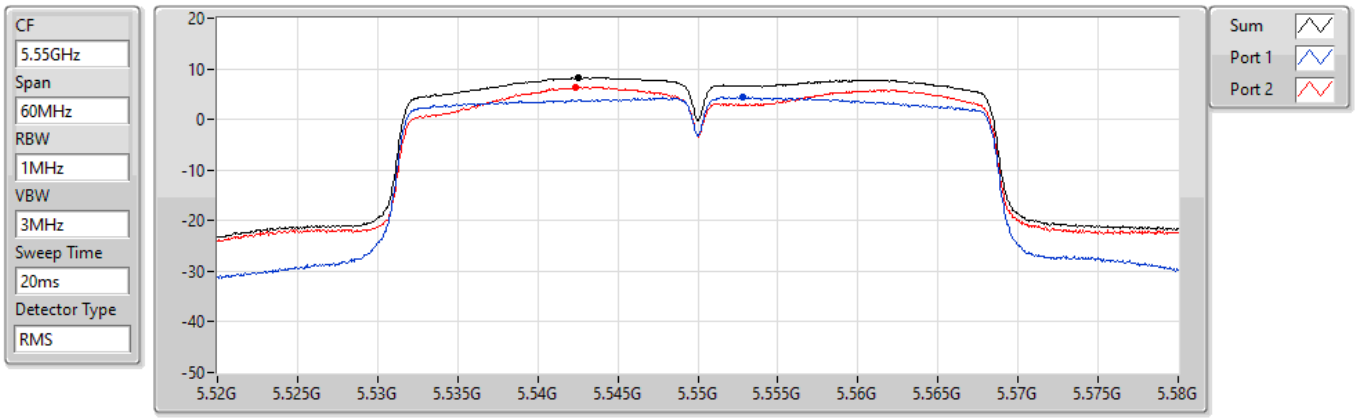
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.45	3.45	-0.62	1.50

802.11n HT40_Nss1,(MCS0)_2TX PSD

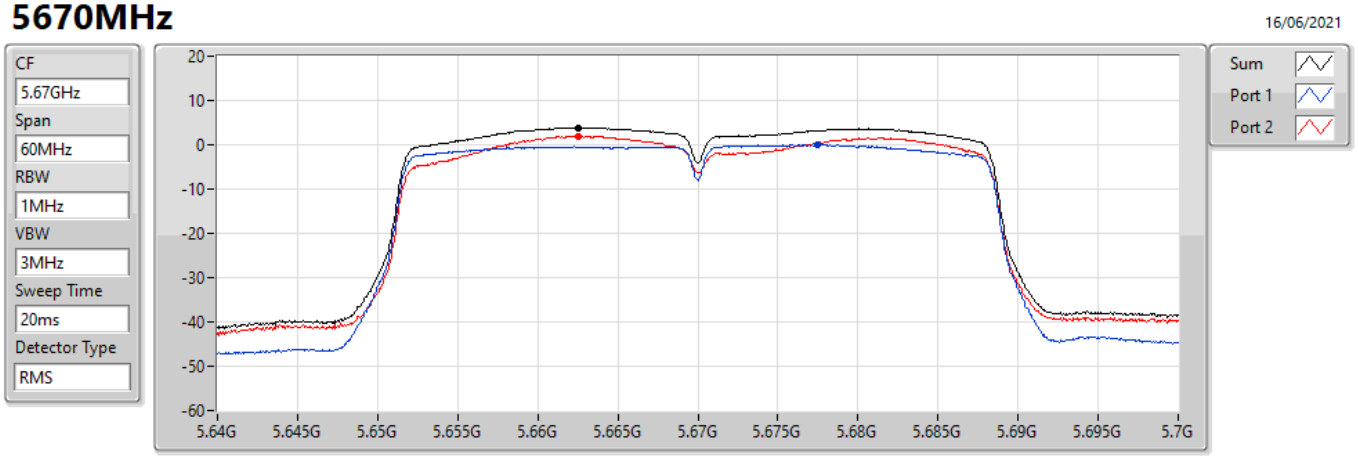
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.26	8.26	4.32	6.37

802.11n HT40_Nss1,(MCS0)_2TX PSD

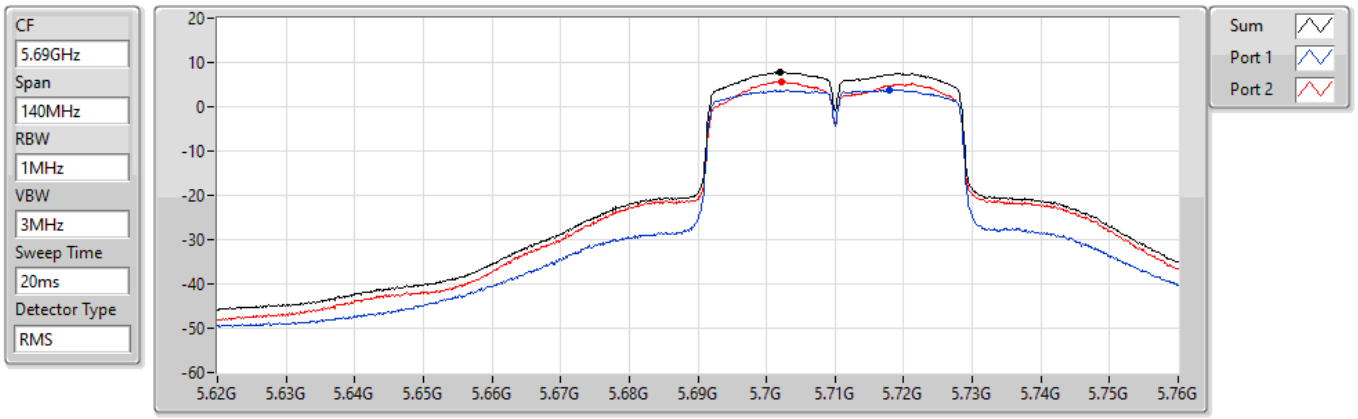
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.88	3.88	-0.01	1.96

802.11n HT40_Nss1,(MCS0)_2TX PSD

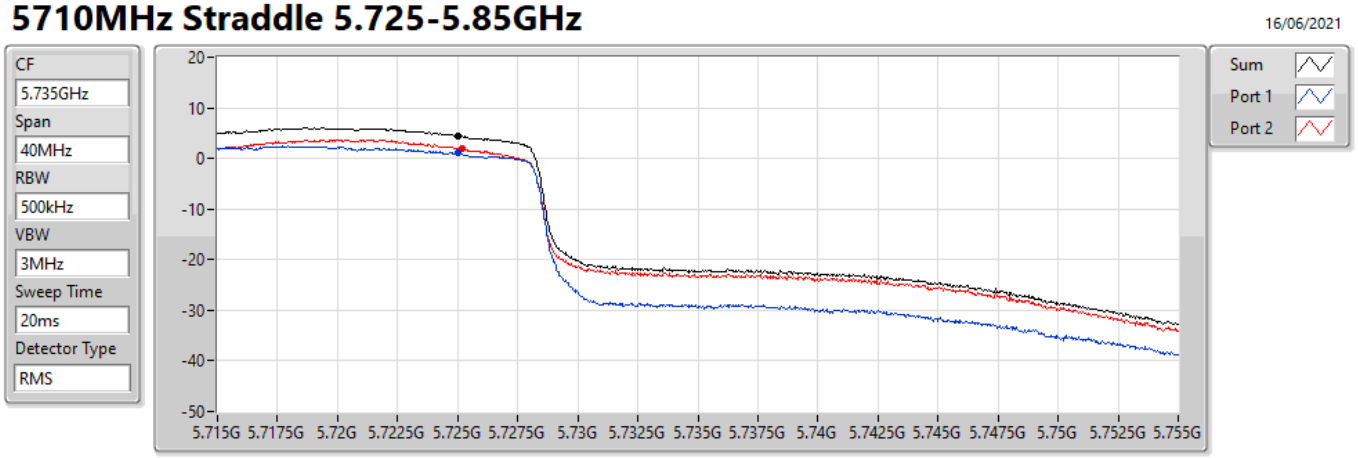
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.76	7.76	3.79	5.68

802.11n HT40_Nss1,(MCS0)_2TX PSD

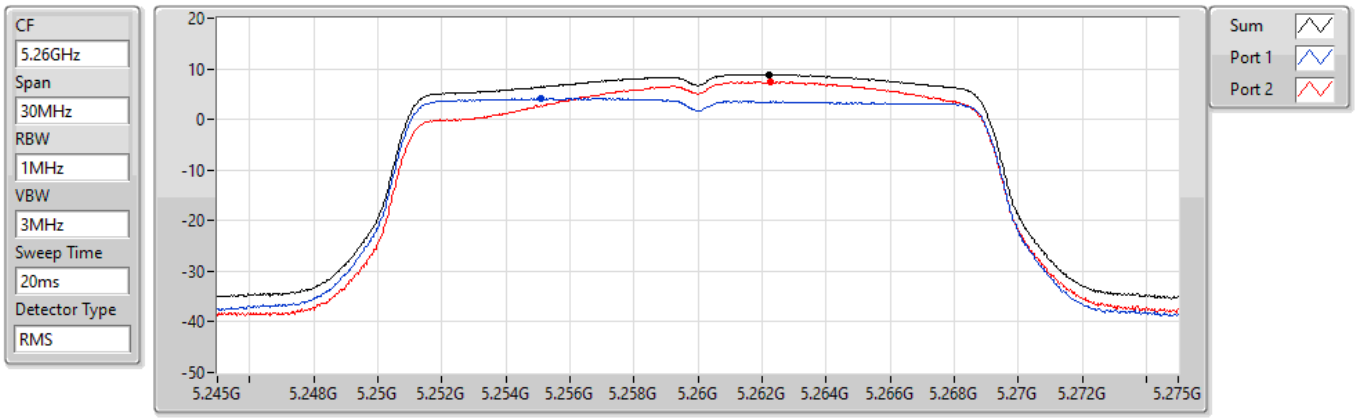
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.52	4.52	1.02	1.99

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

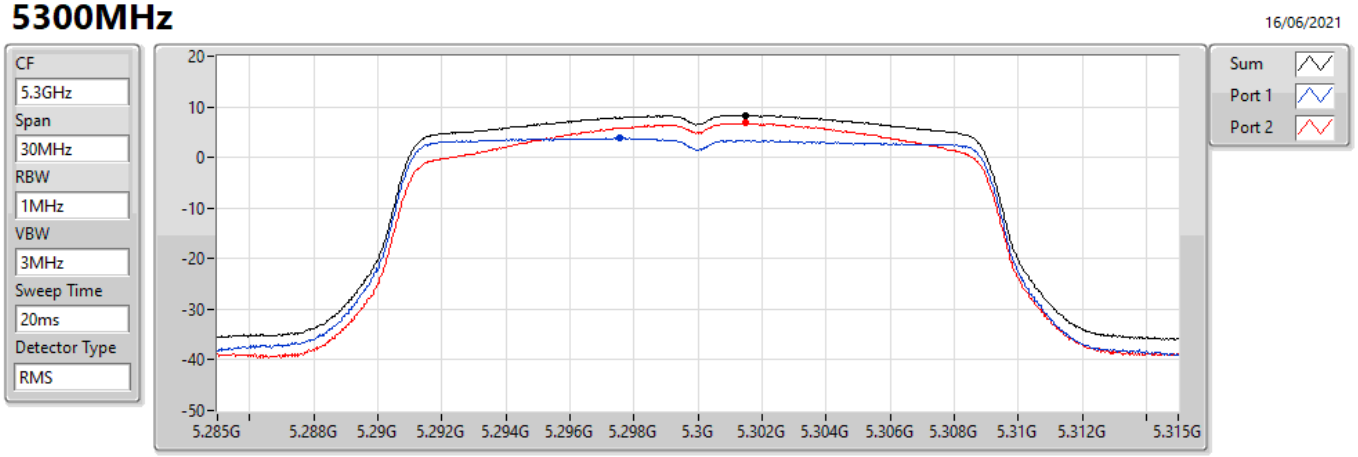
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	4.15	7.42

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

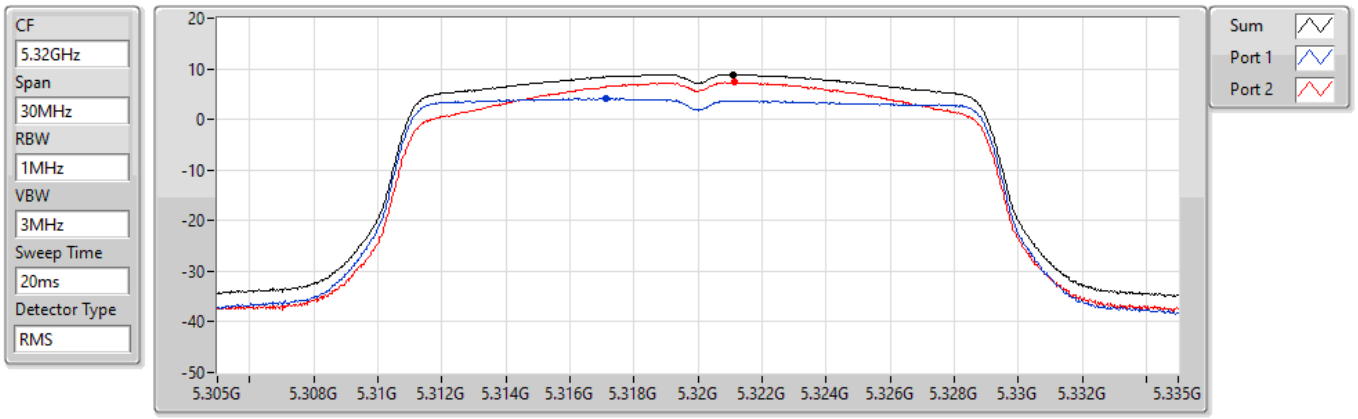
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.34	8.34	3.84	6.74

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5320MHz

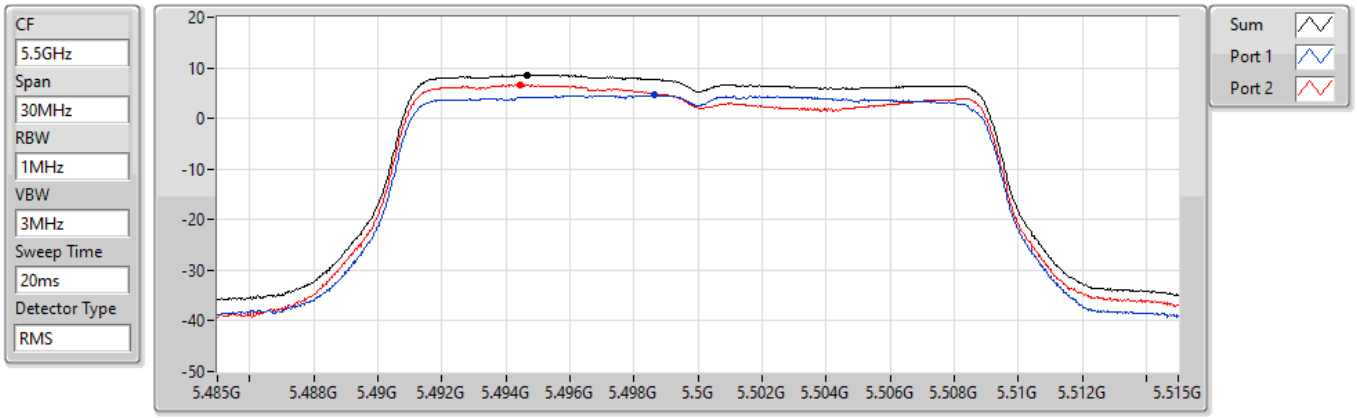


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.87	8.87	4.09	7.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5500MHz

16/06/2021

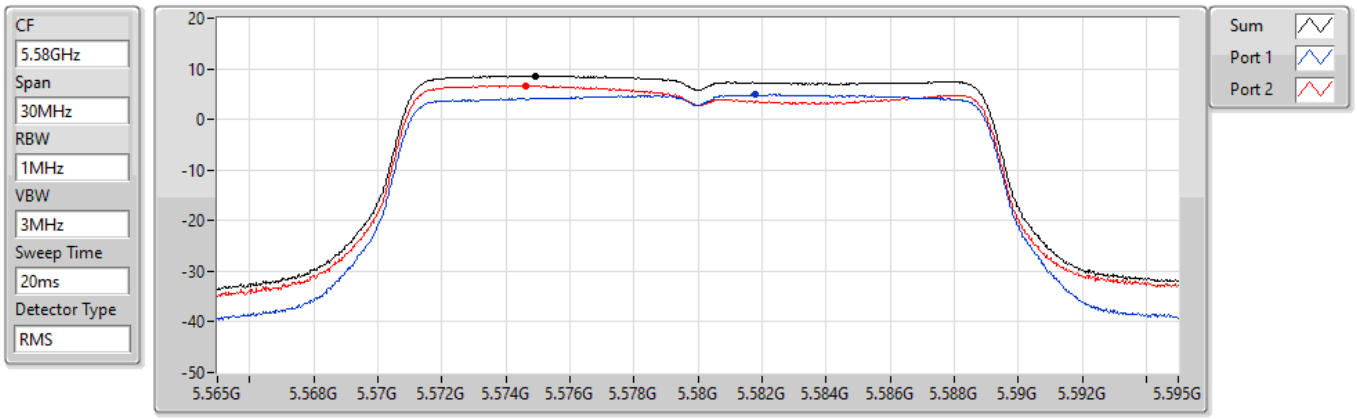


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.51	8.51	4.58	6.56

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5580MHz

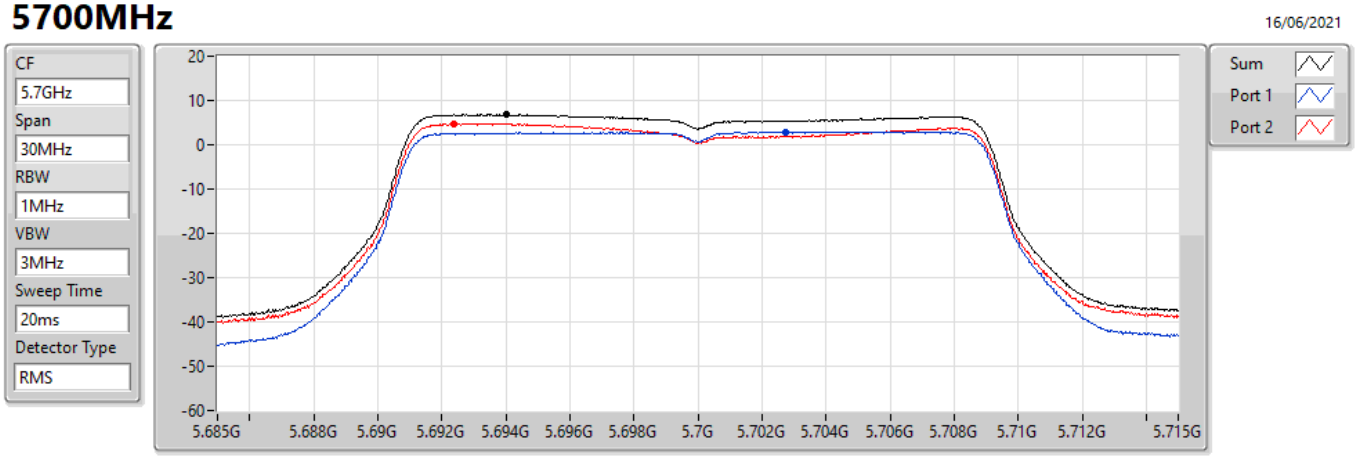
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.60	8.60	4.91	6.69

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

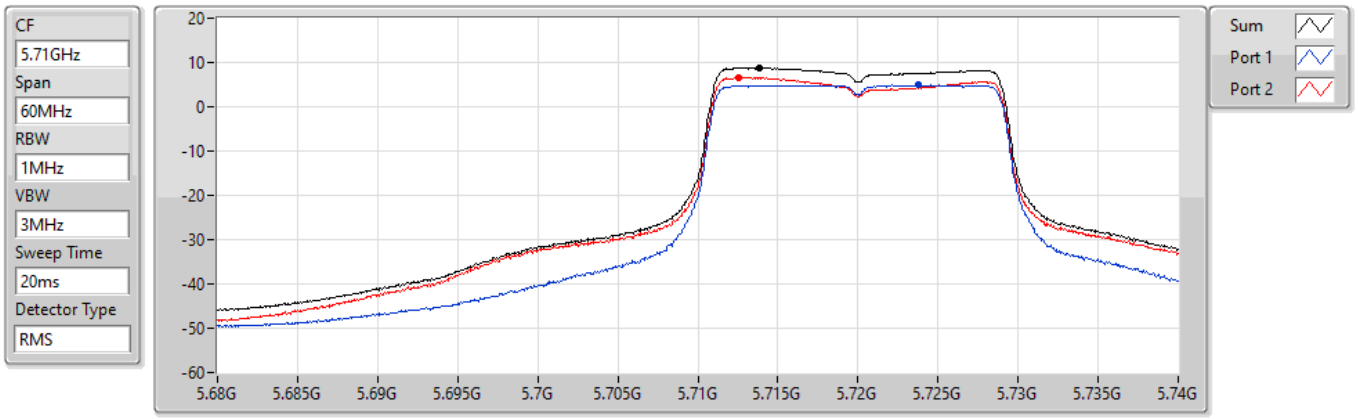
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.76	6.76	2.94	4.69

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

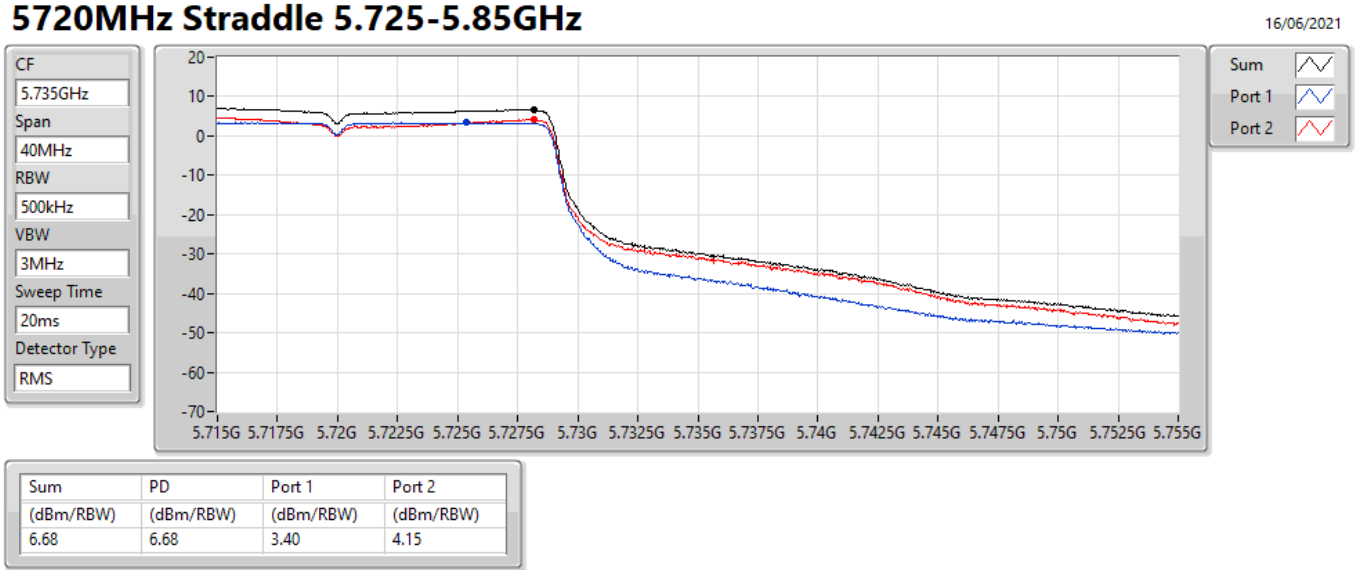
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.72	8.72	4.87	6.52

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

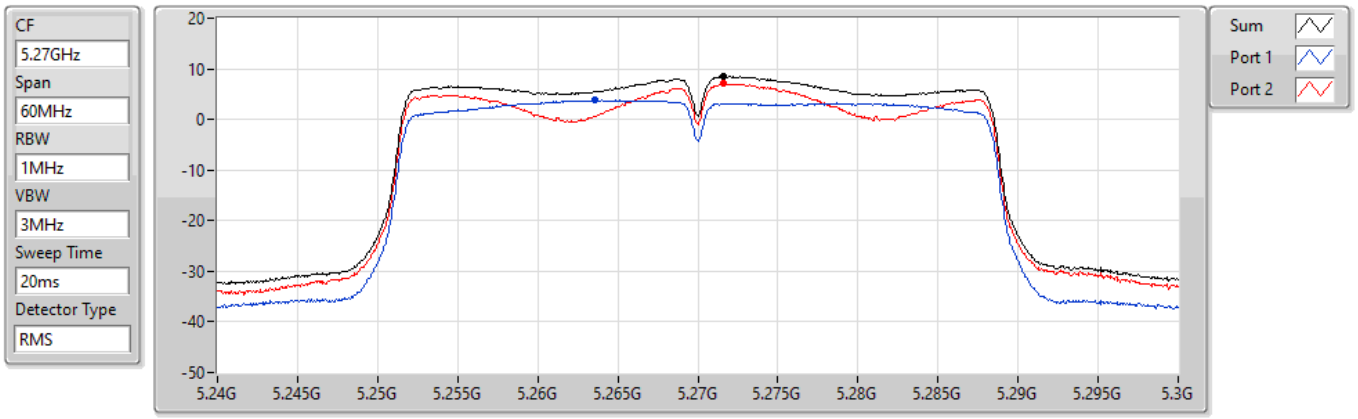
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.68	6.68	3.40	4.15

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

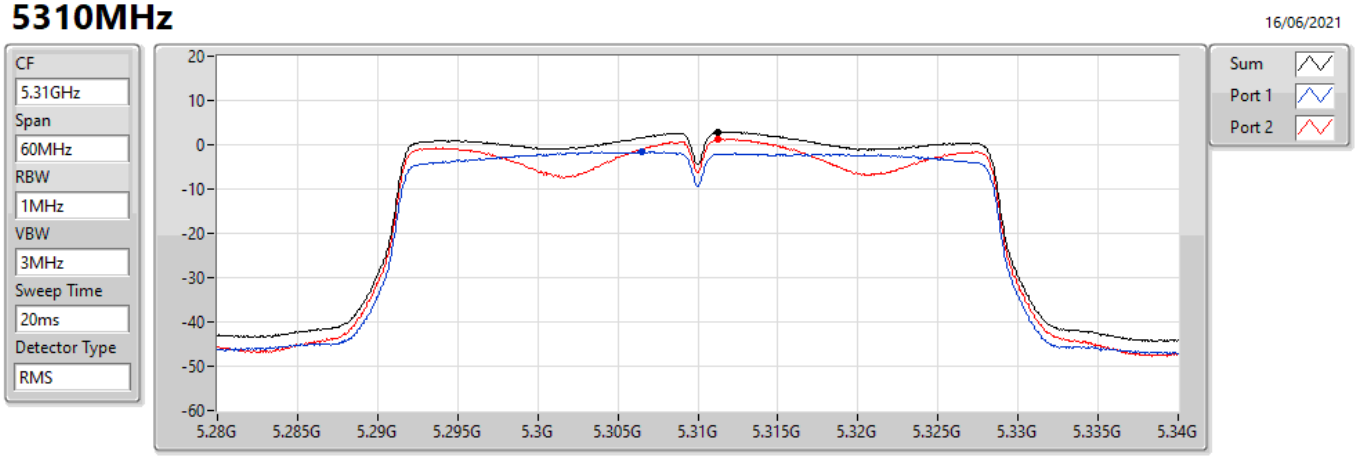
5270MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.52	8.52	3.80	7.05

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

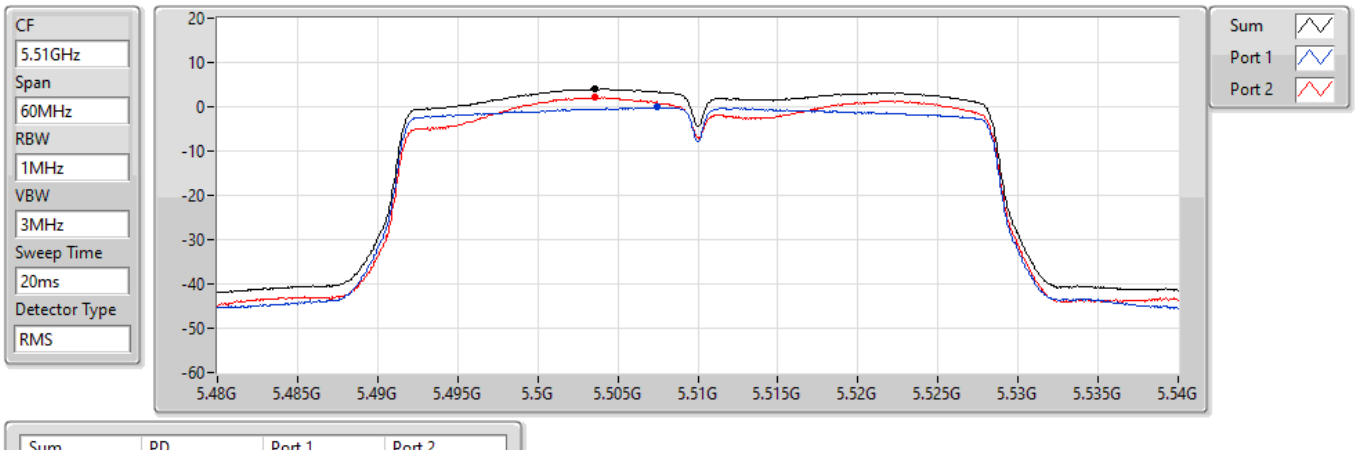
5310MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.95	2.95	-1.60	1.34

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

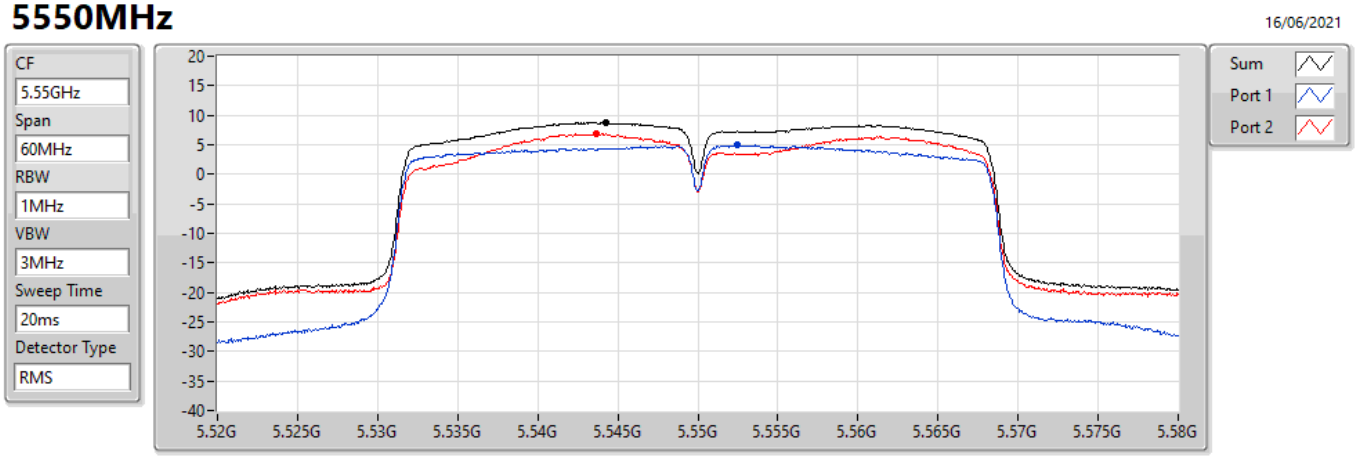
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.99	3.99	-0.13	2.08

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

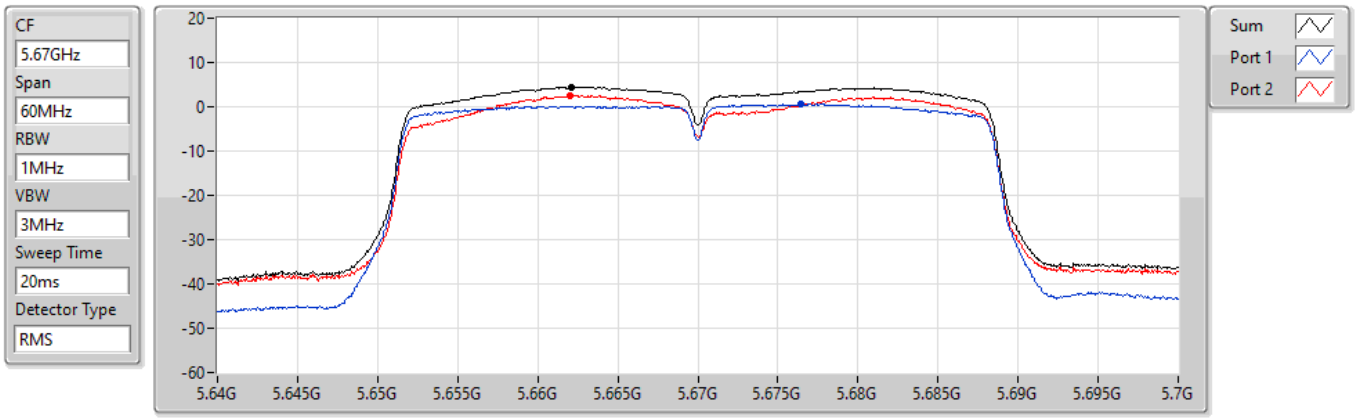
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.73	8.73	4.92	6.81

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5670MHz

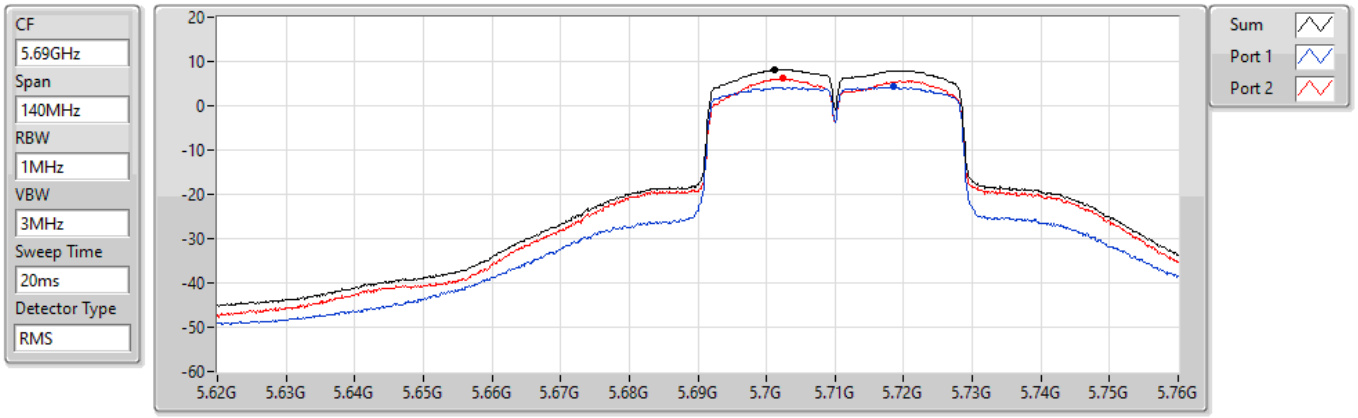


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.44	4.44	0.59	2.46

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5710MHz Straddle 5.47-5.725GHz

16/06/2021

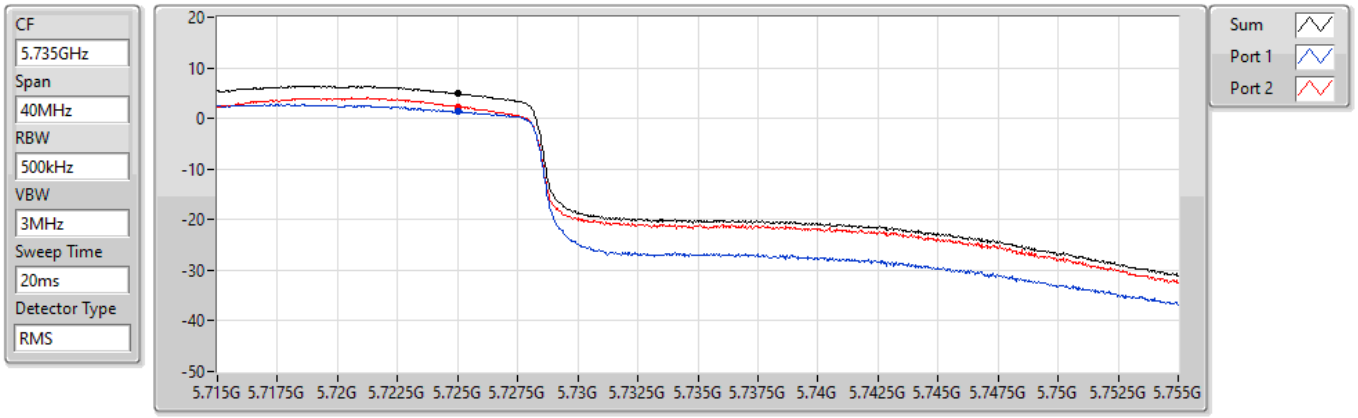


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.19	8.19	4.28	6.12

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5710MHz Straddle 5.725-5.85GHz

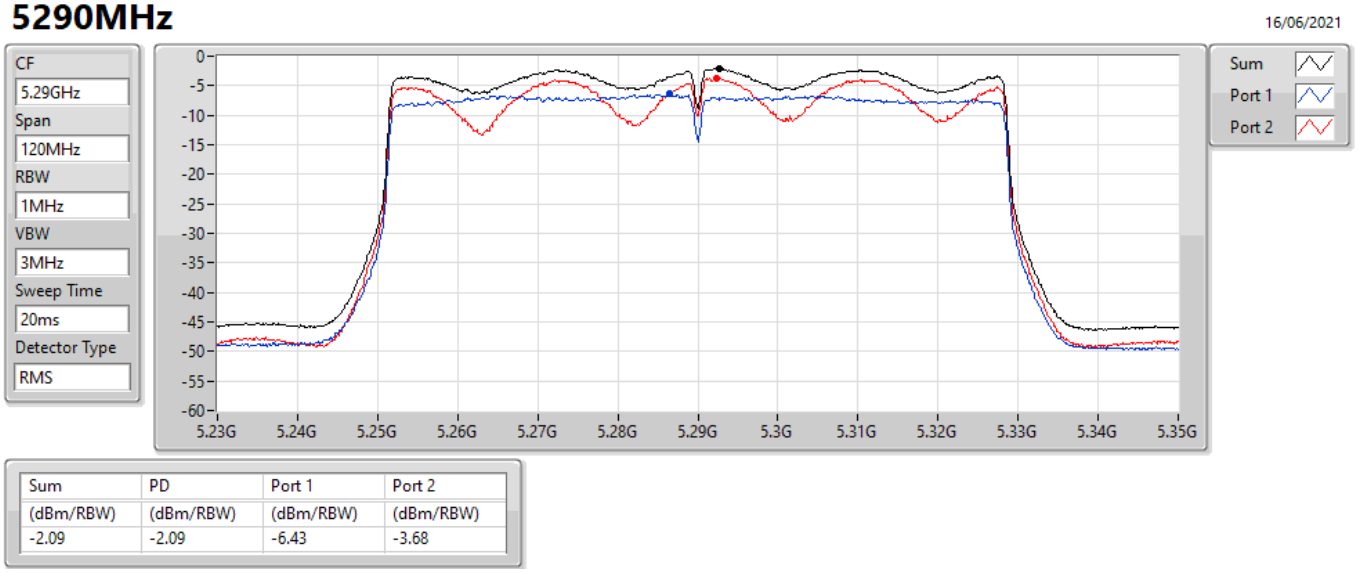
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.87	4.87	1.34	2.35

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

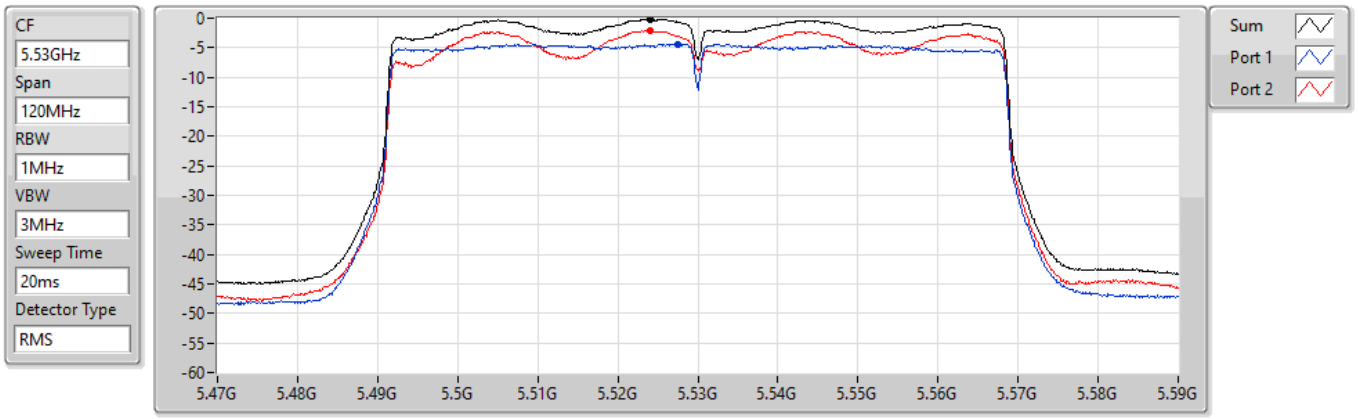
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.09	-2.09	-6.43	-3.68

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5530MHz

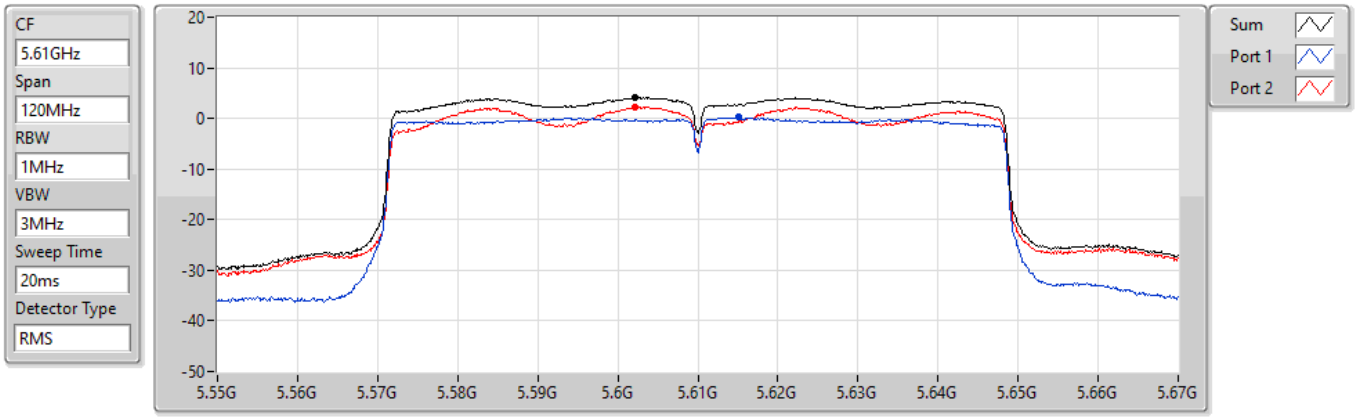


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.17	-0.17	-4.34	-2.09

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5610MHz

16/06/2021

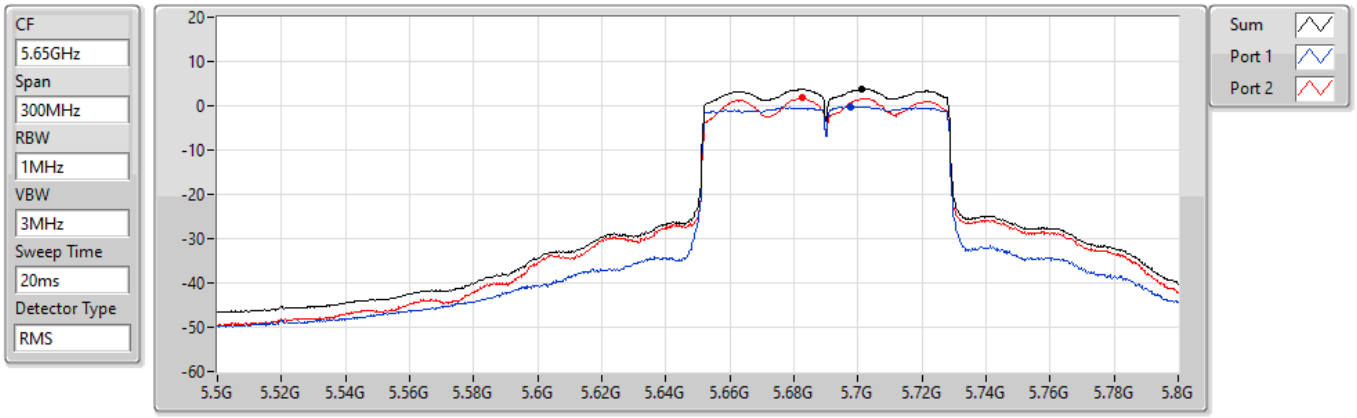


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.15	4.15	0.23	2.24

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5690MHz Straddle 5.47-5.725GHz

16/06/2021

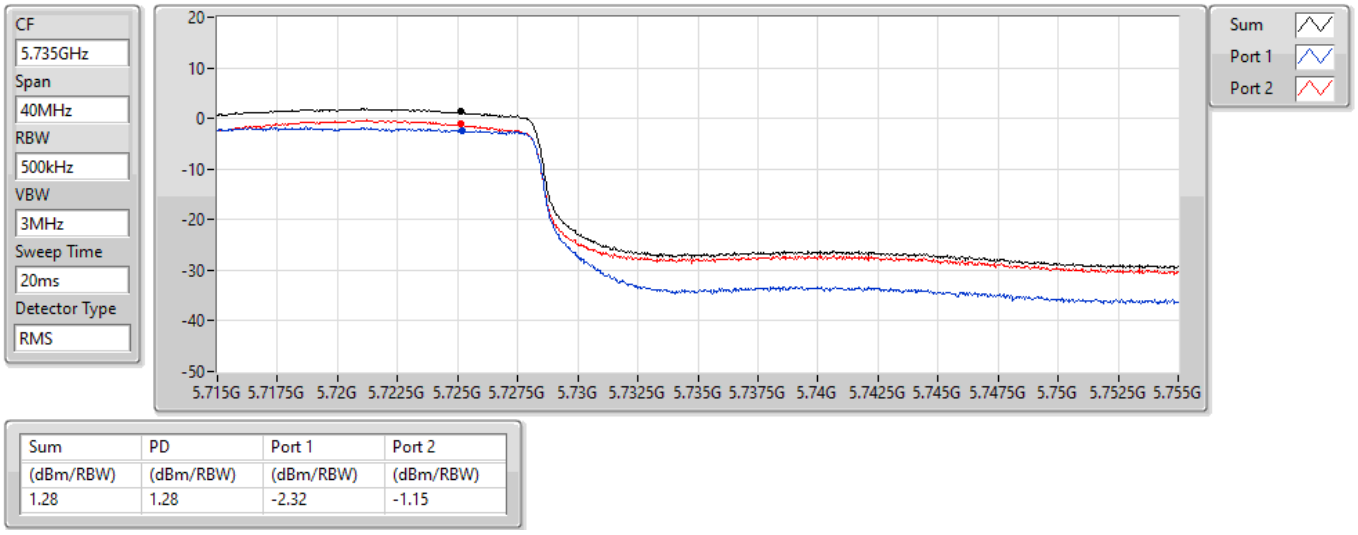


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.77	3.77	-0.20	1.75

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5690MHz Straddle 5.725-5.85GHz

16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.28	1.28	-2.32	-1.15

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.44	16.70
802.11n HT20_Nss1,(MCS0)_2TX	9.16	16.42
802.11n HT40_Nss1,(MCS0)_2TX	7.73	14.99
802.11ac VHT20_Nss1,(MCS0)_2TX	9.71	16.97
802.11ac VHT40_Nss1,(MCS0)_2TX	8.38	15.64
802.11ac VHT80_Nss1,(MCS0)_2TX	-1.66	5.60
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.64	16.90
802.11n HT20_Nss1,(MCS0)_2TX	8.95	16.21
802.11n HT40_Nss1,(MCS0)_2TX	7.86	15.12
802.11ac VHT20_Nss1,(MCS0)_2TX	9.26	16.52
802.11ac VHT40_Nss1,(MCS0)_2TX	8.22	15.48
802.11ac VHT80_Nss1,(MCS0)_2TX	4.91	12.17
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.46	14.72
802.11n HT20_Nss1,(MCS0)_2TX	7.03	14.29
802.11n HT40_Nss1,(MCS0)_2TX	5.07	12.33
802.11ac VHT20_Nss1,(MCS0)_2TX	7.58	14.84
802.11ac VHT40_Nss1,(MCS0)_2TX	5.20	12.46
802.11ac VHT80_Nss1,(MCS0)_2TX	2.50	9.76

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

Result

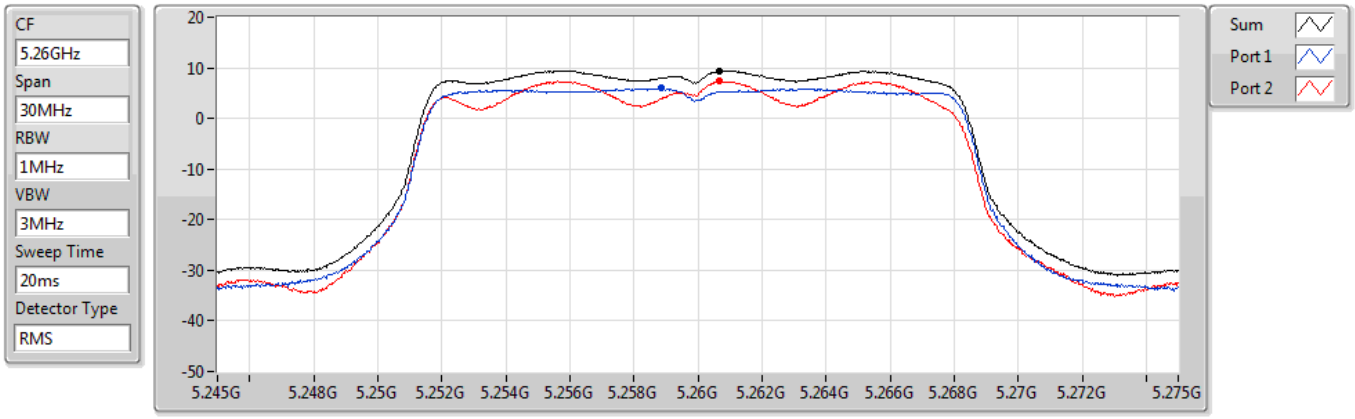
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.26	6.01	7.36	9.44	9.74	16.70	17.00
5300MHz	Pass	7.26	5.73	7.07	9.26	9.74	16.52	17.00
5320MHz	Pass	7.26	4.87	6.97	8.88	9.74	16.14	17.00
5500MHz	Pass	7.26	3.73	5.47	7.65	9.74	14.91	17.00
5580MHz	Pass	7.26	6.03	7.88	9.64	9.74	16.90	17.00
5700MHz	Pass	7.26	3.12	4.75	6.89	9.74	14.15	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.26	5.42	6.80	9.11	9.74	16.37	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.26	3.84	5.07	7.46	28.74	14.72	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.26	5.33	7.24	9.16	9.74	16.42	17.00
5300MHz	Pass	7.26	4.83	7.26	9.09	9.74	16.35	17.00
5320MHz	Pass	7.26	4.44	6.76	8.55	9.74	15.81	17.00
5500MHz	Pass	7.26	3.29	4.91	7.08	9.74	14.34	17.00
5580MHz	Pass	7.26	4.96	6.47	8.45	9.74	15.71	17.00
5700MHz	Pass	7.26	2.12	3.29	5.49	9.74	12.75	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.26	5.17	6.60	8.95	9.74	16.21	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.26	3.79	4.36	7.03	28.74	14.29	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.26	4.04	5.70	7.73	9.74	14.99	17.00
5310MHz	Pass	7.26	-2.63	-0.48	1.39	9.74	8.65	17.00
5510MHz	Pass	7.26	-1.64	-0.00	2.14	9.74	9.40	17.00
5550MHz	Pass	7.26	2.26	3.82	5.89	9.74	13.15	17.00
5670MHz	Pass	7.26	0.05	1.41	3.50	9.74	10.76	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.26	4.13	5.54	7.86	9.74	15.12	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.26	1.64	2.45	5.07	28.74	12.33	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.26	5.69	7.96	9.66	9.74	16.92	17.00
5300MHz	Pass	7.26	5.28	8.00	9.71	9.74	16.97	17.00
5320MHz	Pass	7.26	5.05	7.62	9.34	9.74	16.60	17.00
5500MHz	Pass	7.26	3.57	5.33	7.42	9.74	14.68	17.00
5580MHz	Pass	7.26	5.79	7.17	9.16	9.74	16.42	17.00
5700MHz	Pass	7.26	2.42	3.86	5.97	9.74	13.23	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.26	5.44	7.10	9.26	9.74	16.52	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.26	4.27	4.90	7.58	28.74	14.84	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.26	4.51	6.49	8.38	9.74	15.64	17.00
5310MHz	Pass	7.26	-1.88	0.46	2.25	9.74	9.51	17.00
5510MHz	Pass	7.26	-1.09	0.74	2.88	9.74	10.14	17.00
5550MHz	Pass	7.26	2.99	4.75	6.59	9.74	13.85	17.00
5670MHz	Pass	7.26	0.62	2.02	4.08	9.74	11.34	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.26	4.47	6.01	8.22	9.74	15.48	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.26	1.82	2.60	5.20	28.74	12.46	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.26	-5.54	-3.61	-1.66	9.74	5.60	17.00
5530MHz	Pass	7.26	-4.75	-2.92	-0.84	9.74	6.42	17.00
5610MHz	Pass	7.26	-0.38	1.09	3.04	9.74	10.30	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.26	1.16	2.76	4.91	9.74	12.17	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.26	-0.77	-0.08	2.50	28.74	9.76	36.00

DG = Directional Gain; RBW = 500kHz 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;

802.11a_Nss1,(6Mbps)_2TX PSD

5260MHz

15/06/2021

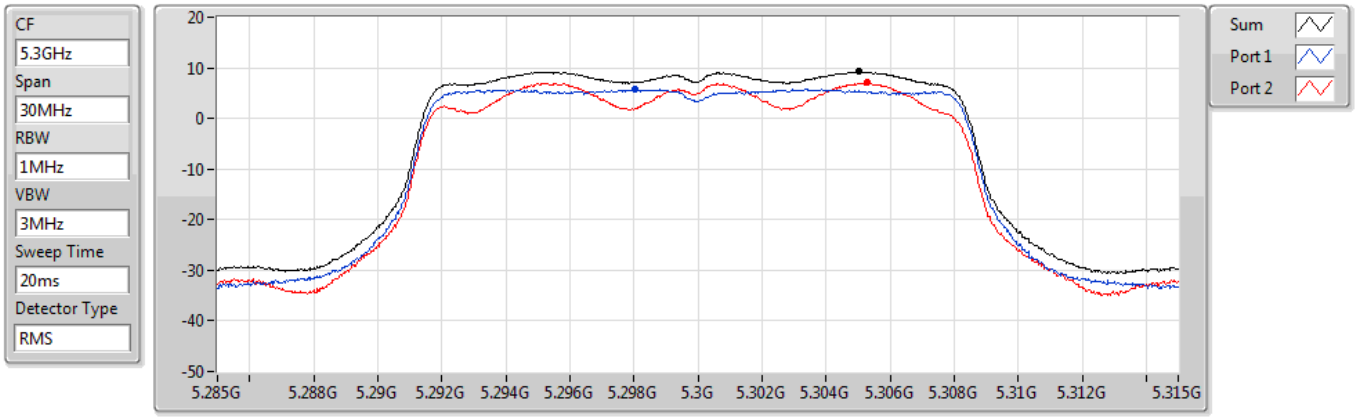


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.01	7.36

802.11a_Nss1,(6Mbps)_2TX PSD

5300MHz

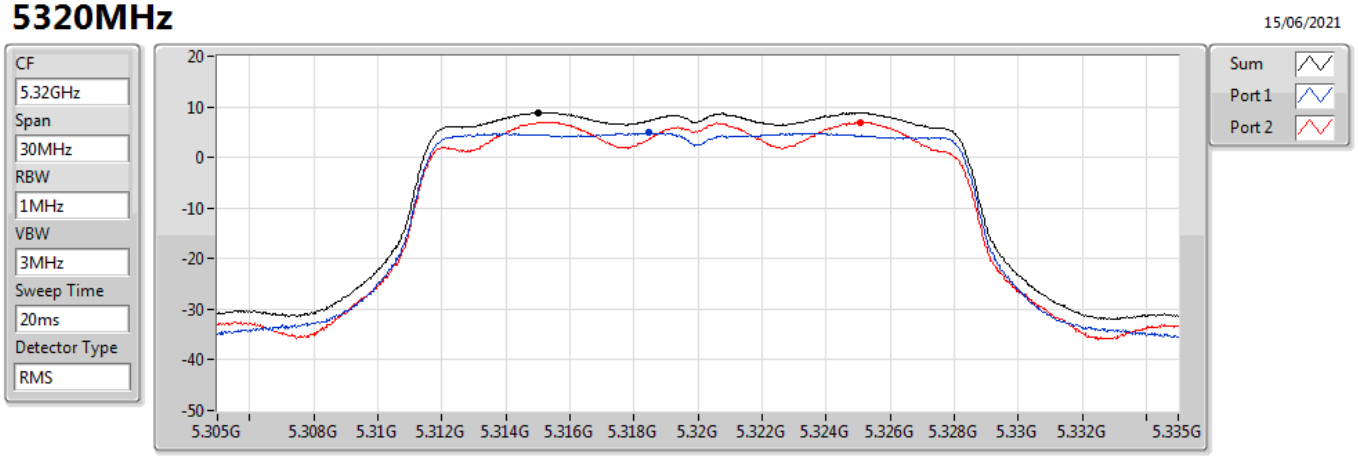
15/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.26	9.26	5.73	7.07

802.11a_Nss1,(6Mbps)_2TX PSD

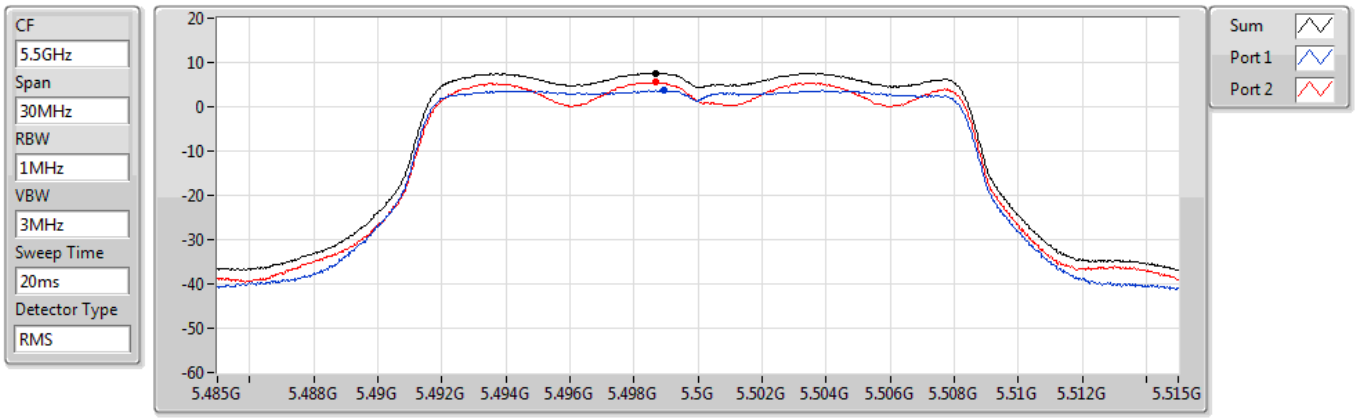
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	4.87	6.97

802.11a_Nss1,(6Mbps)_2TX PSD

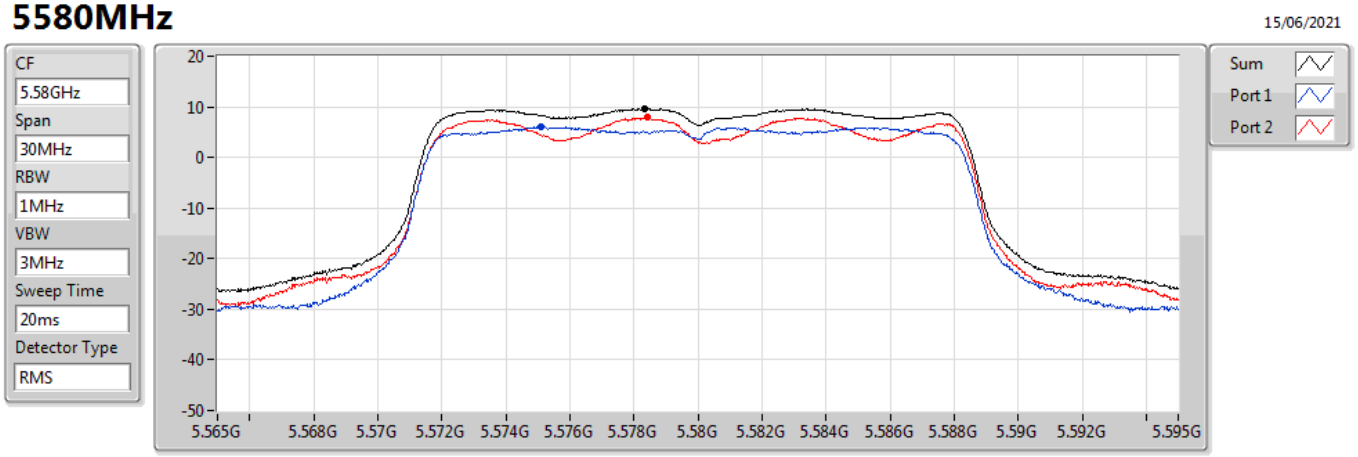
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	3.73	5.47

802.11a_Nss1,(6Mbps)_2TX PSD

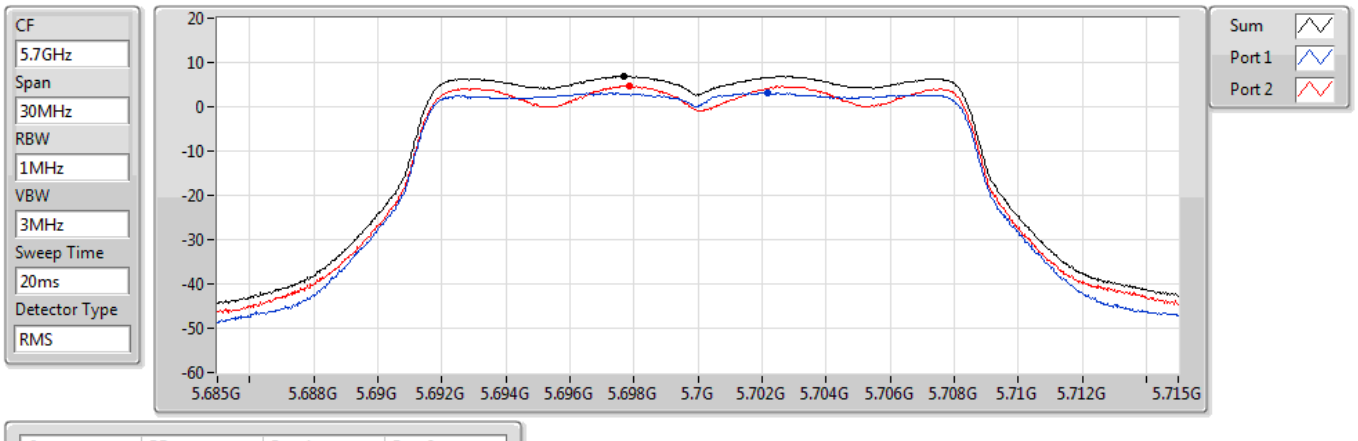
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.64	9.64	6.03	7.88

802.11a_Nss1,(6Mbps)_2TX PSD

5700MHz

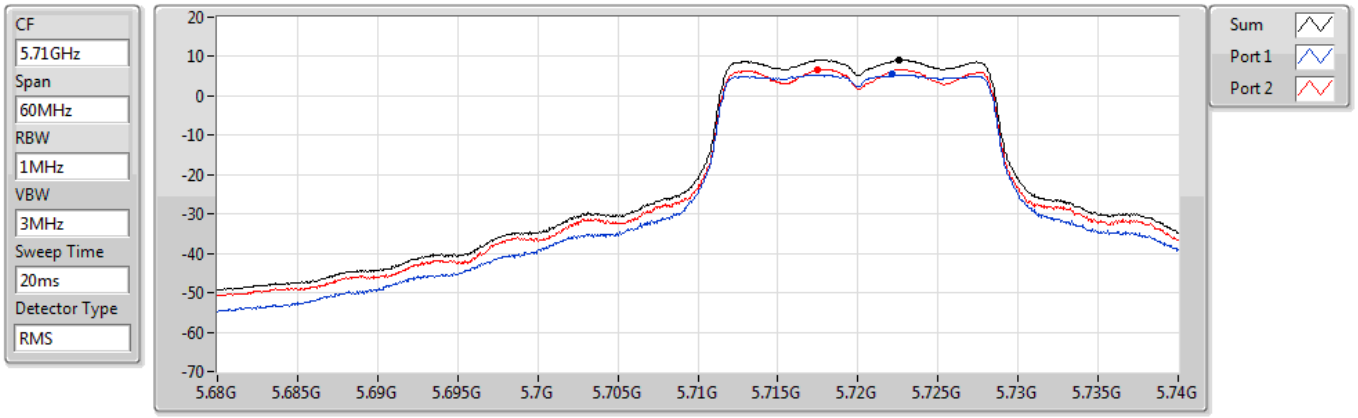


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.89	6.89	3.12	4.75

802.11a_Nss1,(6Mbps)_2TX PSD

5720MHz Straddle 5.47-5.725GHz

15/06/2021

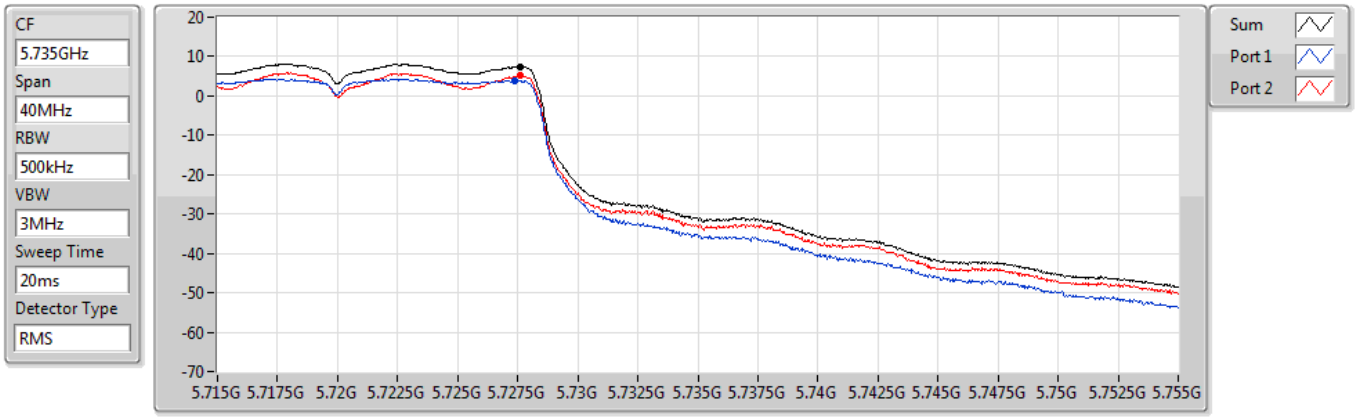


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.11	9.11	5.42	6.80

802.11a_Nss1,(6Mbps)_2TX PSD

5720MHz Straddle 5.725-5.85GHz

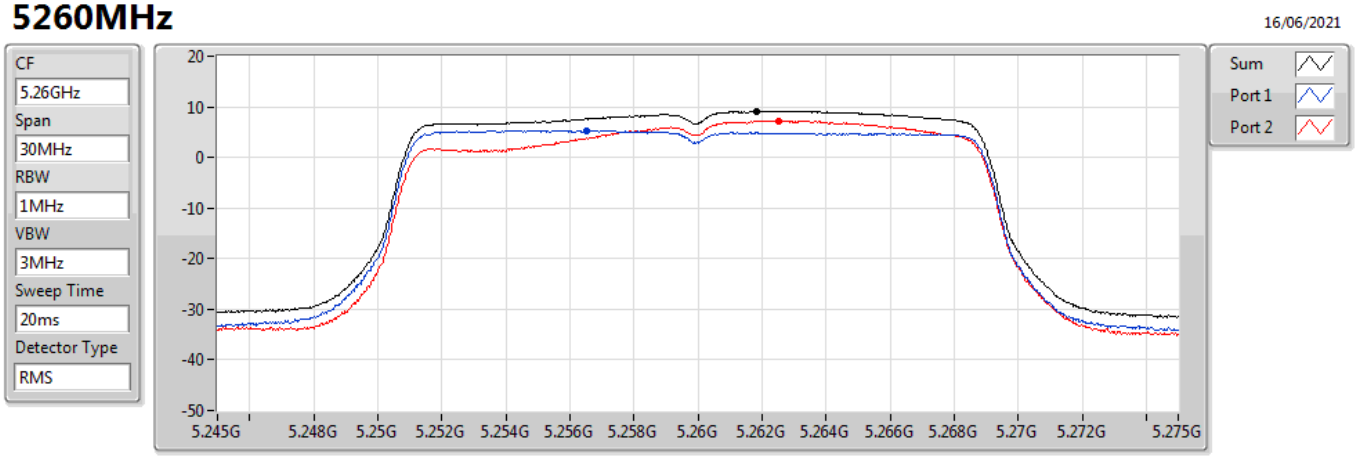
15/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	3.84	5.07

802.11n HT20_Nss1,(MCS0)_2TX PSD

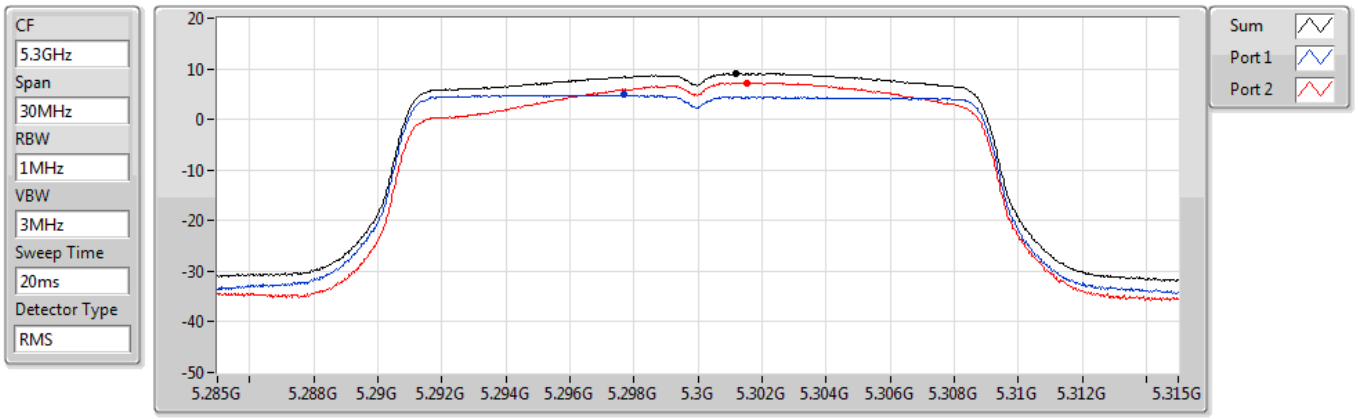
5260MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	5.33	7.24

802.11n HT20_Nss1,(MCS0)_2TX PSD

5300MHz

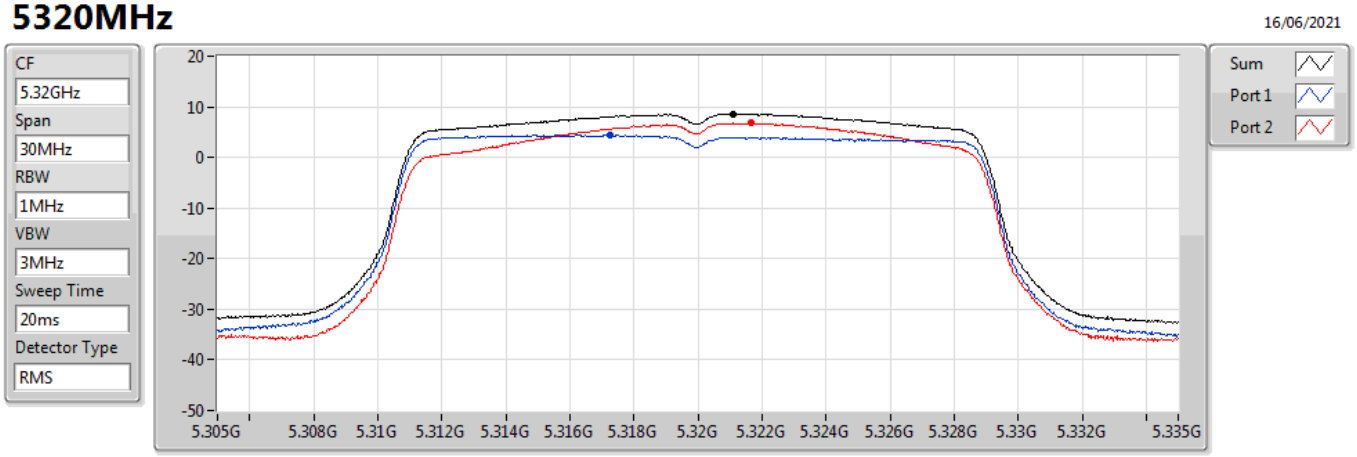


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.09	9.09	4.83	7.26

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

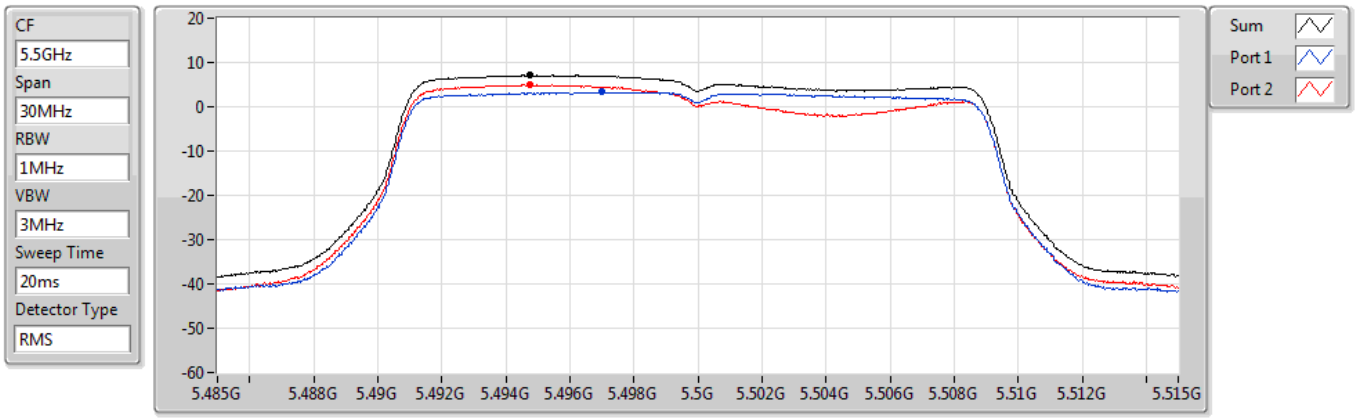


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.55	8.55	4.44	6.76

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz



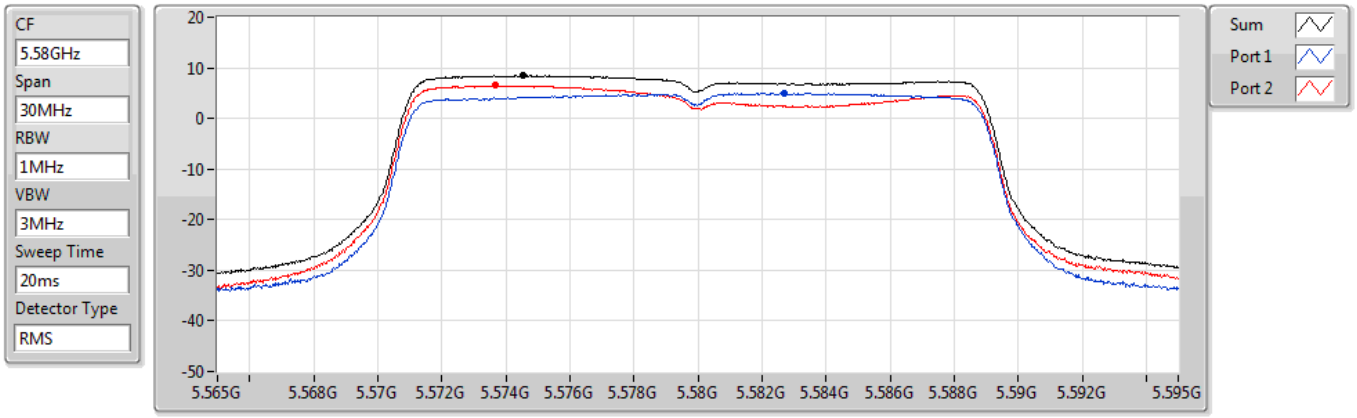
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.08	7.08	3.29	4.91

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

16/06/2021



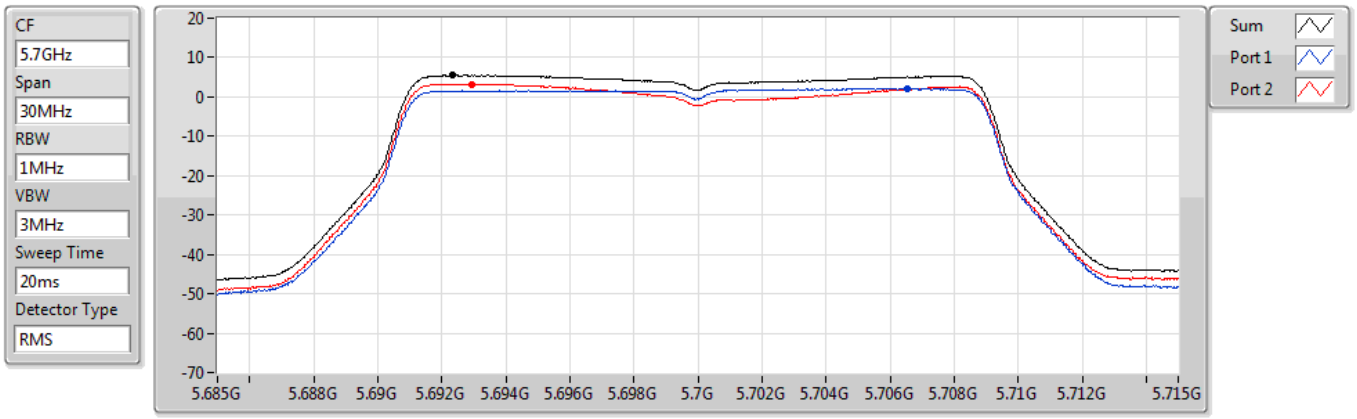
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.45	8.45	4.96	6.47

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

16/06/2021

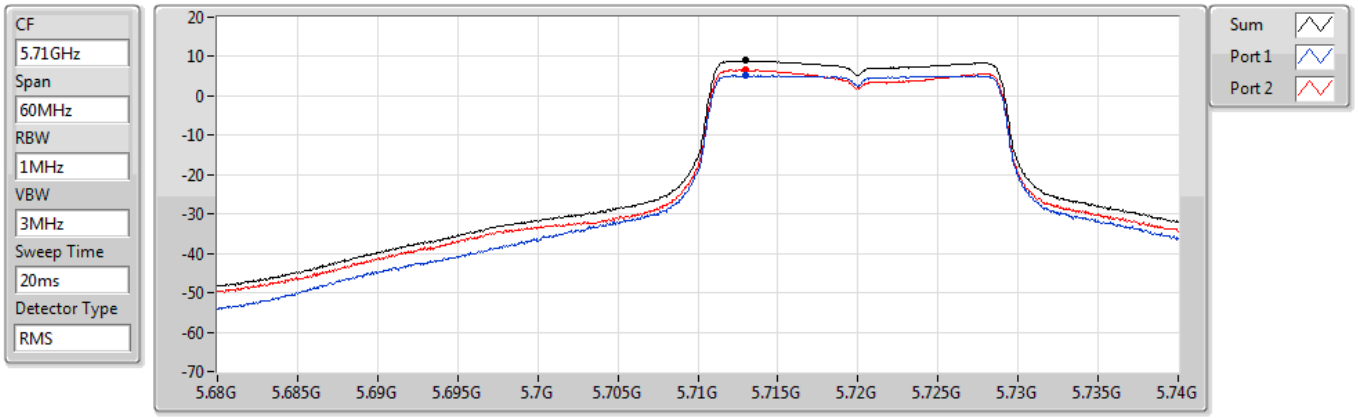


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49	2.12	3.29

802.11n HT20_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.47-5.725GHz

16/06/2021

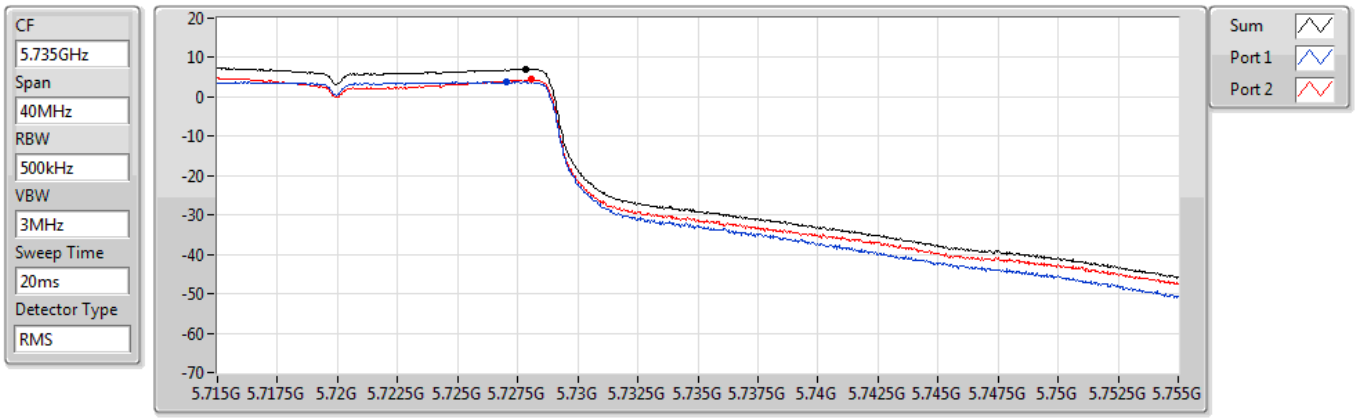


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	5.17	6.60

802.11n HT20_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.725-5.85GHz

16/06/2021



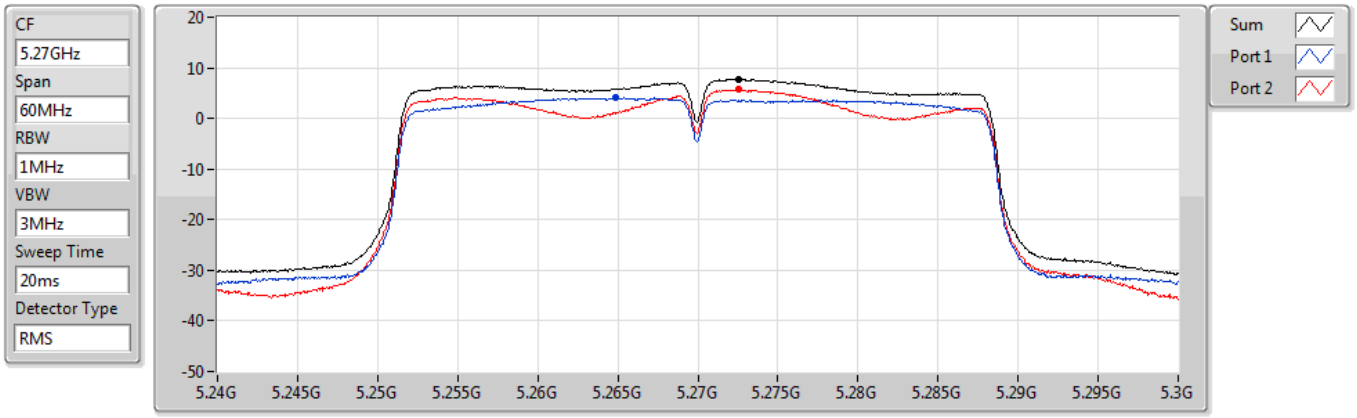
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.03	7.03	3.79	4.36

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5270MHz

16/06/2021



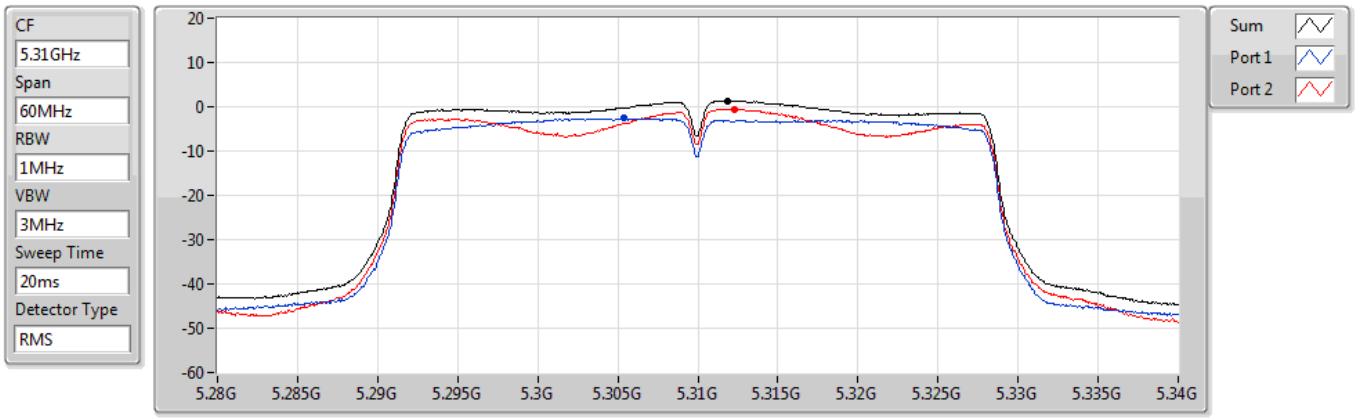
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.73	7.73	4.04	5.70

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5310MHz

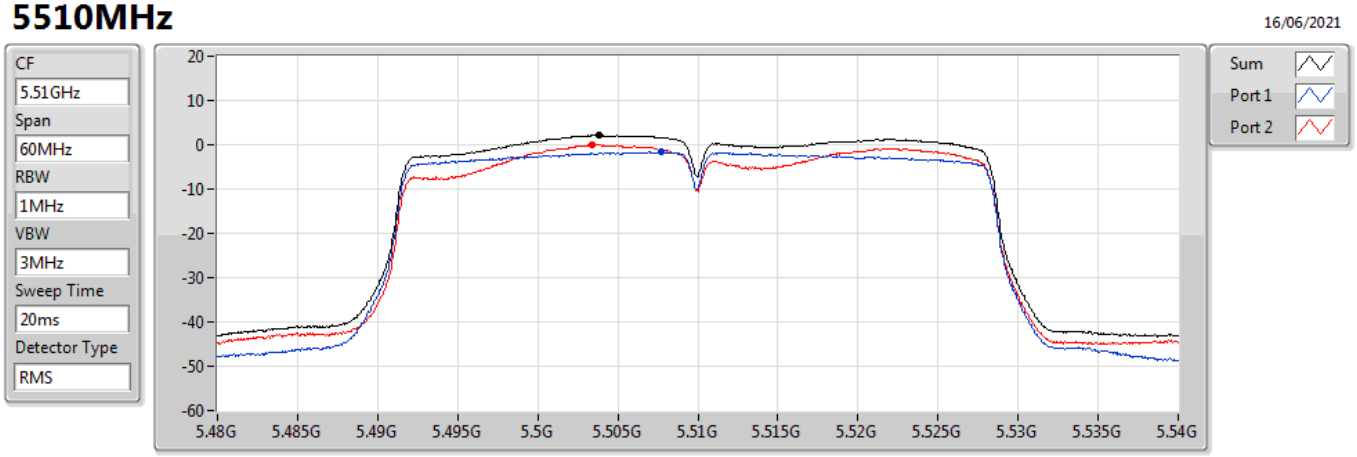
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.39	1.39	-2.63	-0.48

802.11n HT40_Nss1,(MCS0)_2TX PSD

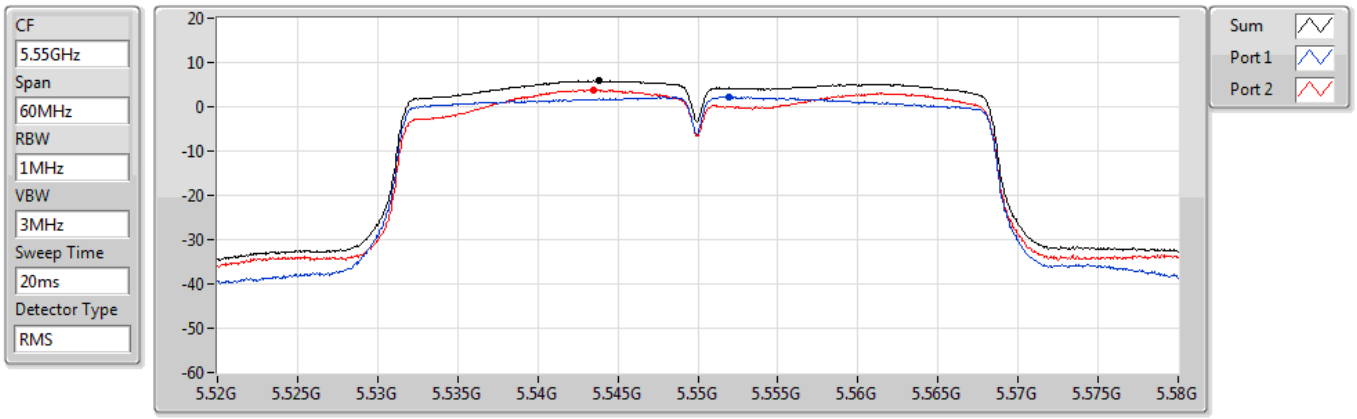
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.14	2.14	-1.64	-0.00

802.11n HT40_Nss1,(MCS0)_2TX PSD

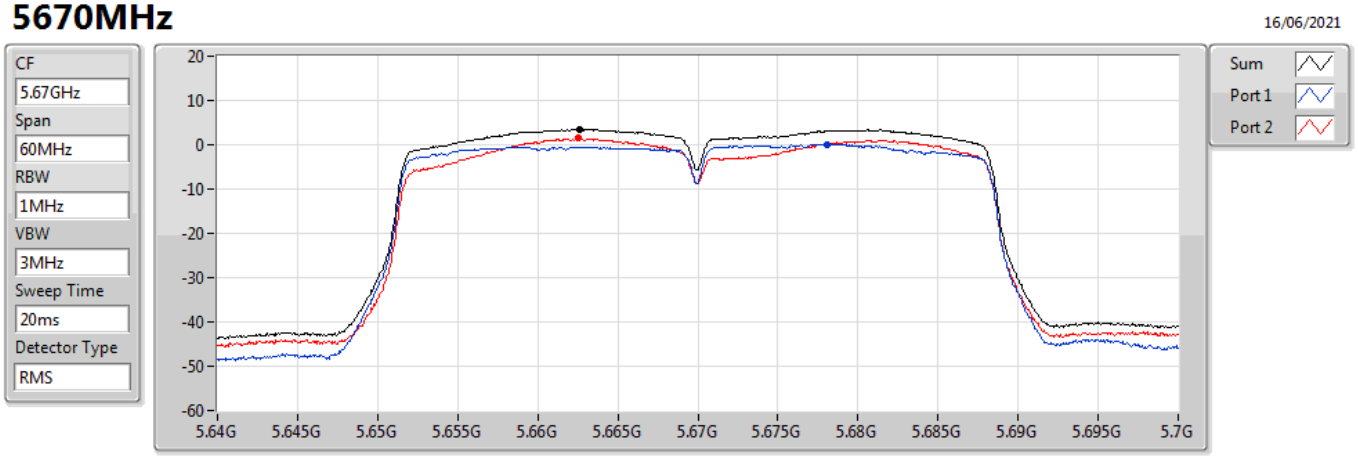
5550MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.89	5.89	2.26	3.82

802.11n HT40_Nss1,(MCS0)_2TX PSD

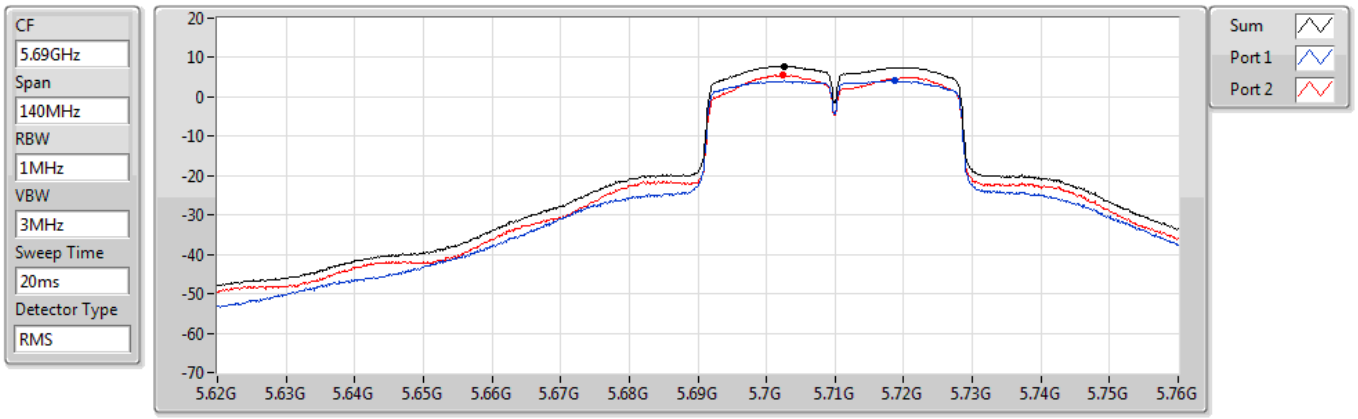
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.50	3.50	0.05	1.41

802.11n HT40_Nss1,(MCS0)_2TX PSD

5710MHz Straddle 5.47-5.725GHz



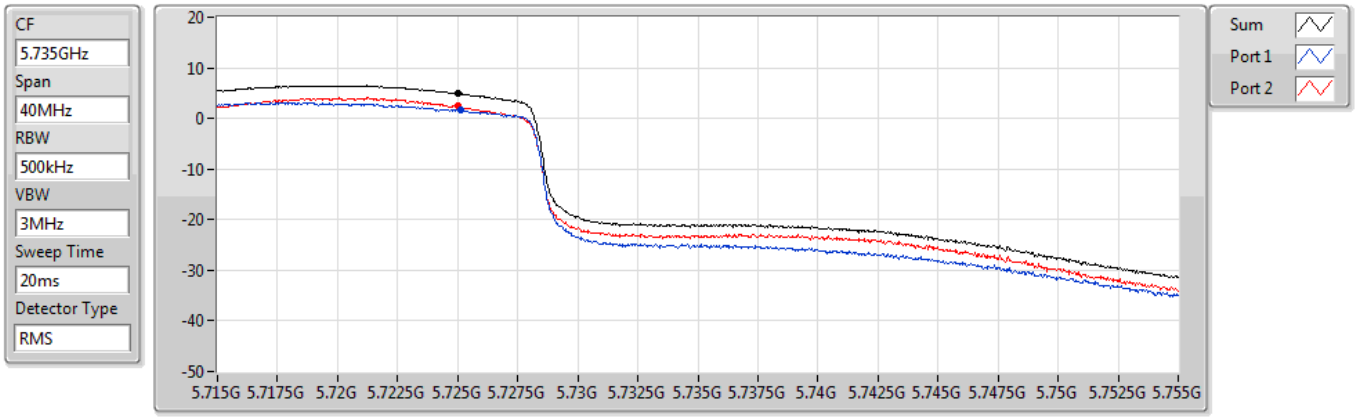
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.86	7.86	4.13	5.54

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

16/06/2021



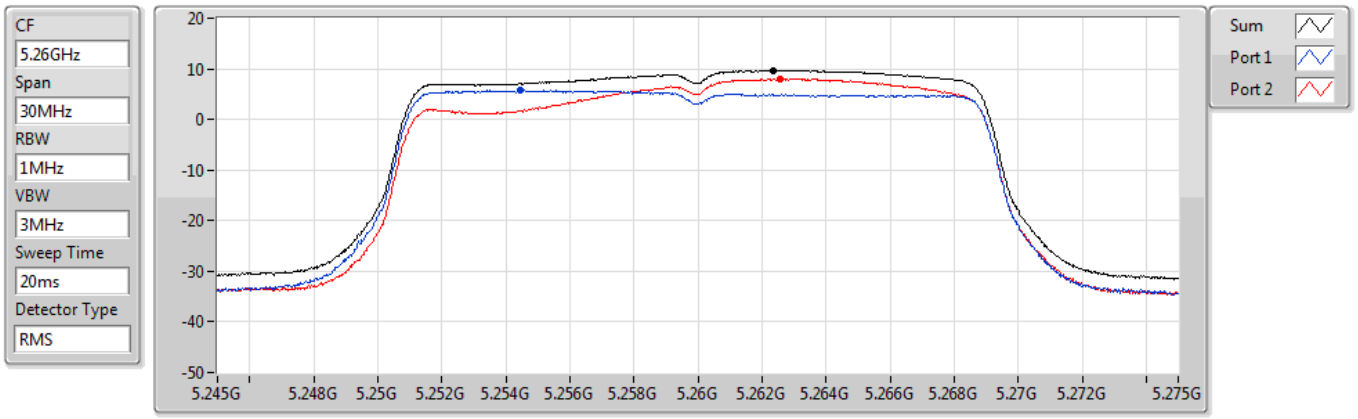
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.07	5.07	1.64	2.45

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

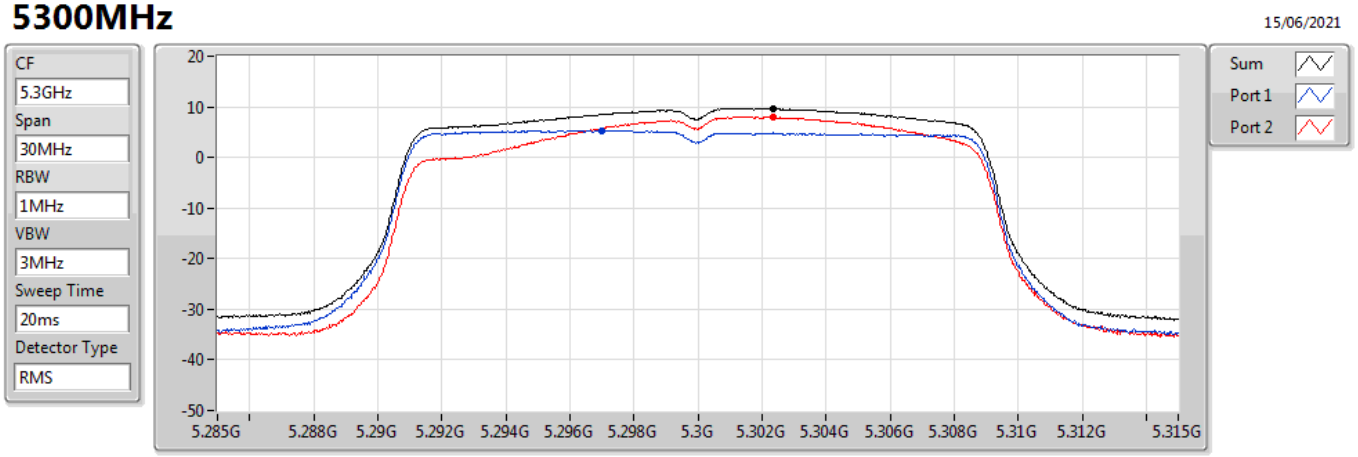
15/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.66	9.66	5.69	7.96

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

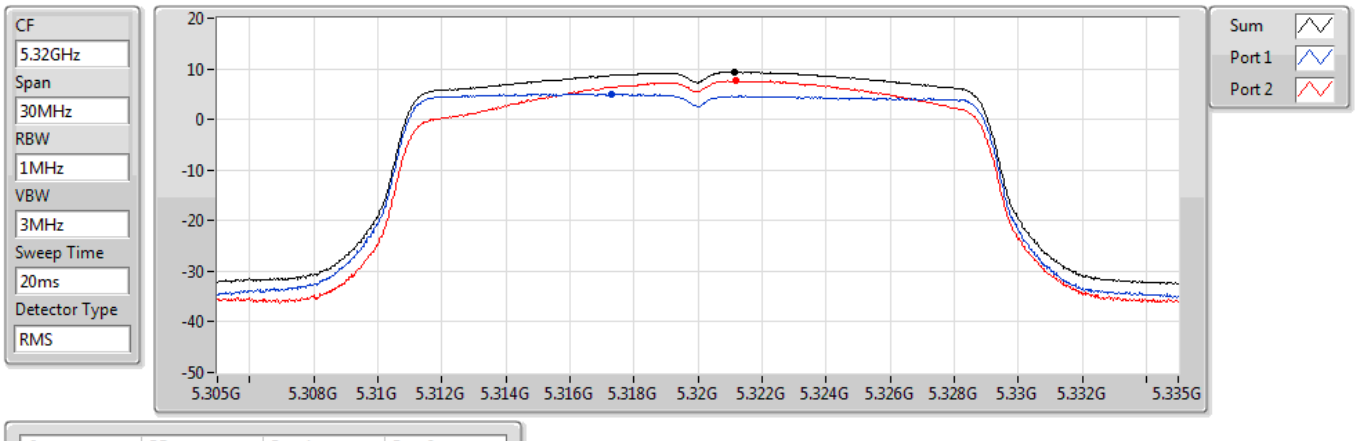
5300MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.71	9.71	5.28	8.00

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

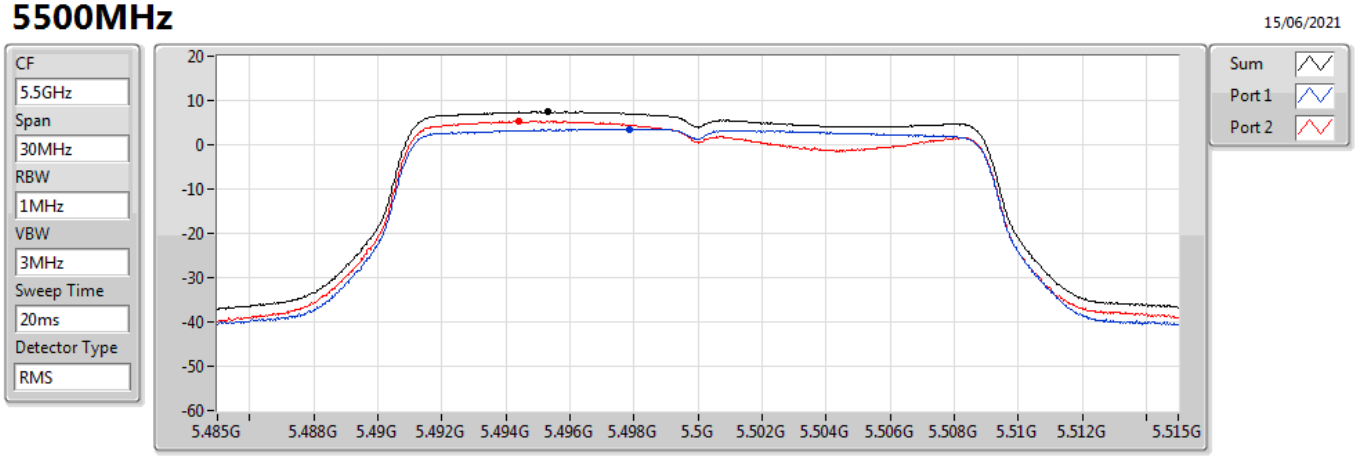
5320MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.34	9.34	5.05	7.62

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

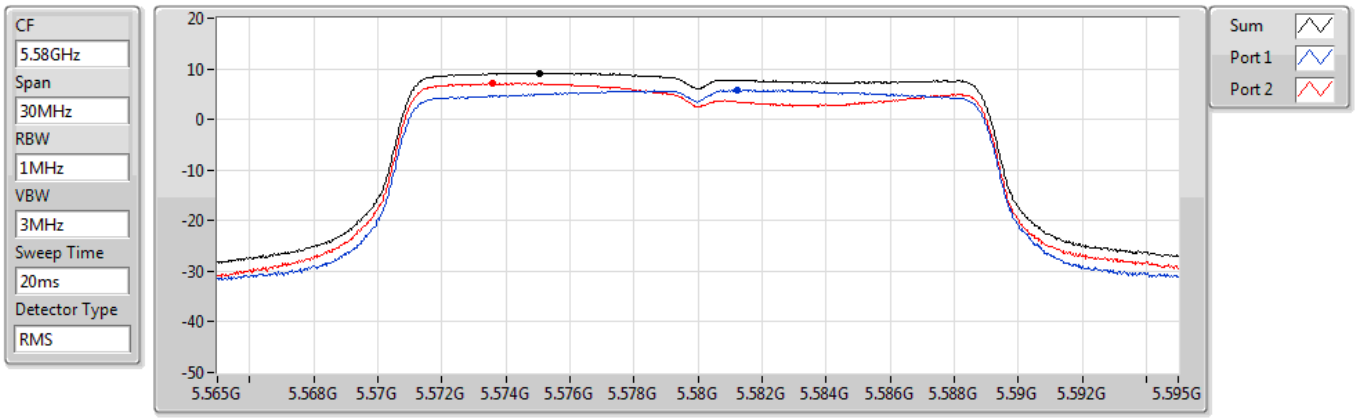
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.42	7.42	3.57	5.33

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5580MHz

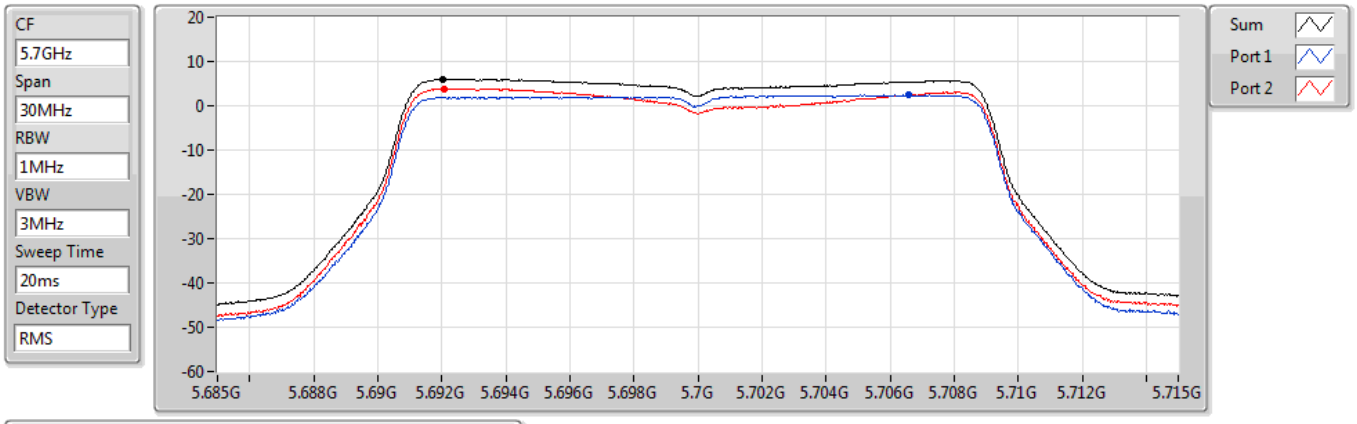


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	5.79	7.17

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5700MHz

15/06/2021

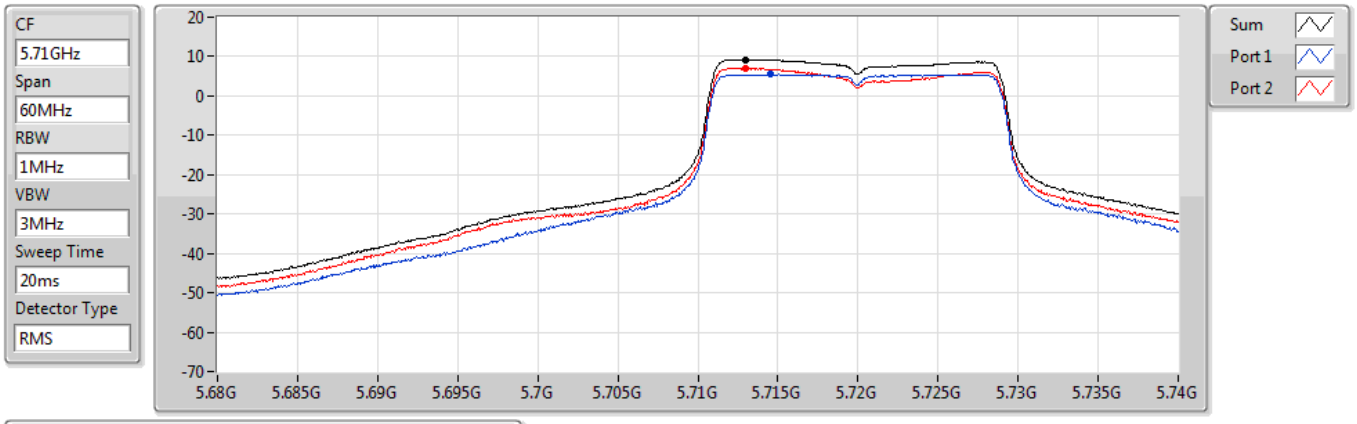


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.97	5.97	2.42	3.86

802.11ac VHT20_Nss1,(MCS0)_2TX PSD

5720MHz Straddle 5.47-5.725GHz

15/06/2021



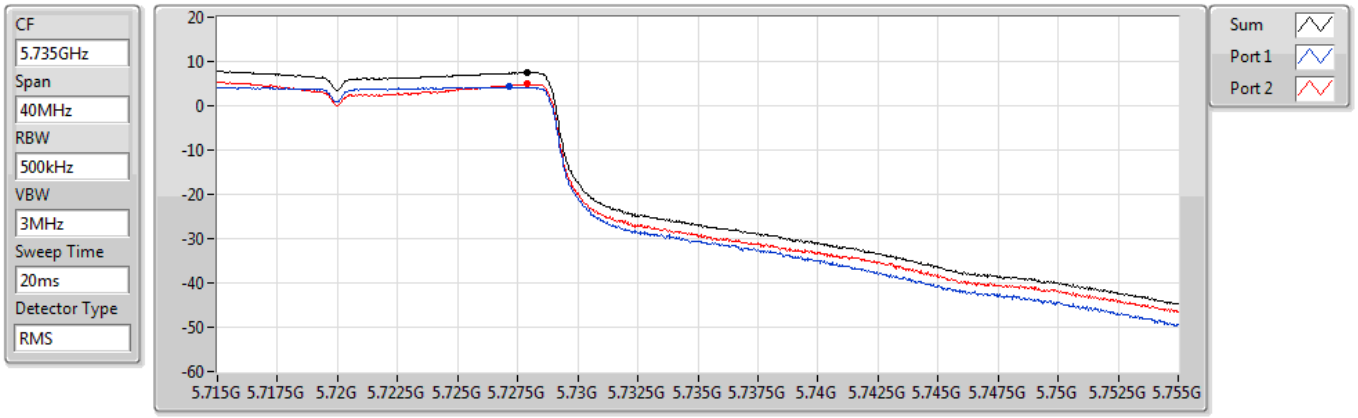
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.26	9.26	5.44	7.10

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

15/06/2021



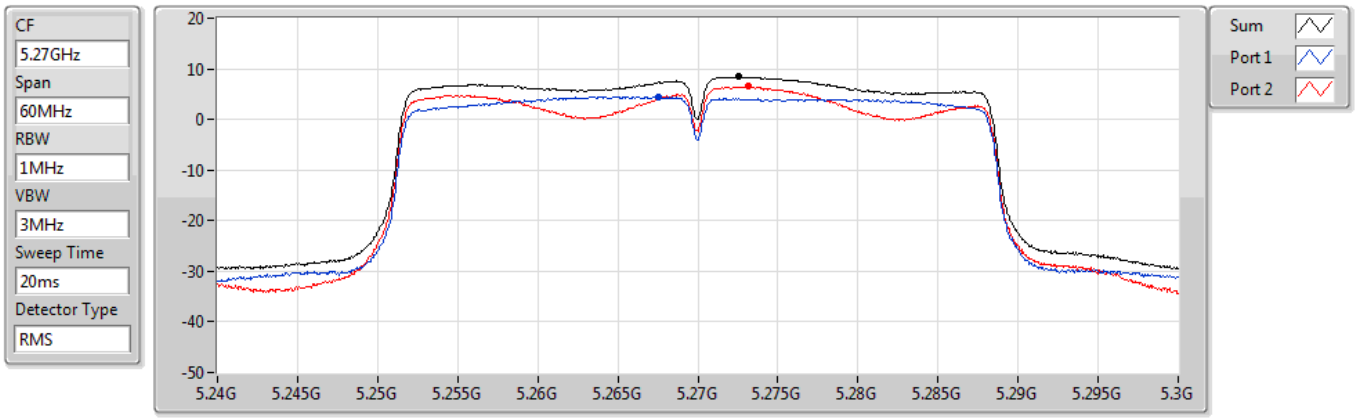
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.58	7.58	4.27	4.90

802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

15/06/2021

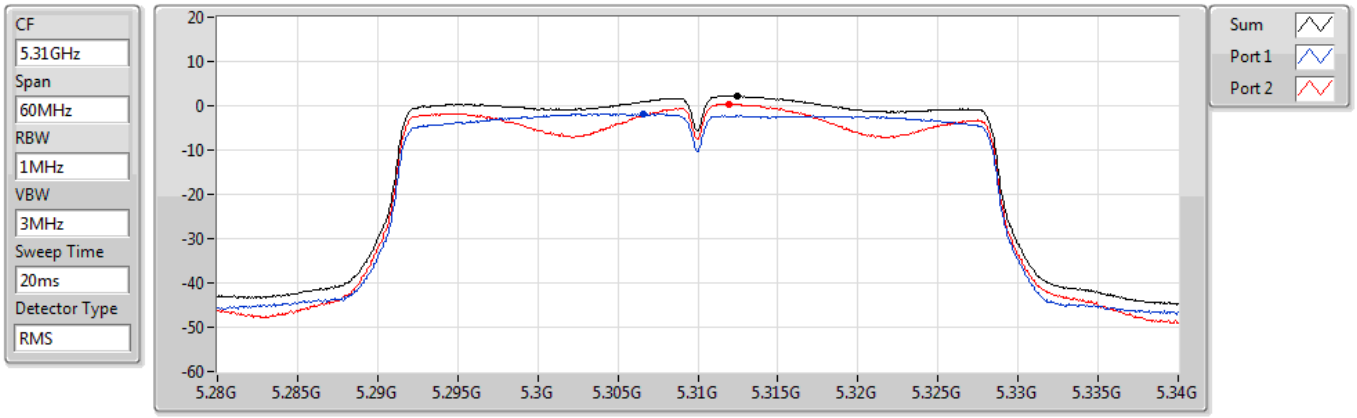


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.38	8.38	4.51	6.49

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5310MHz

15/06/2021

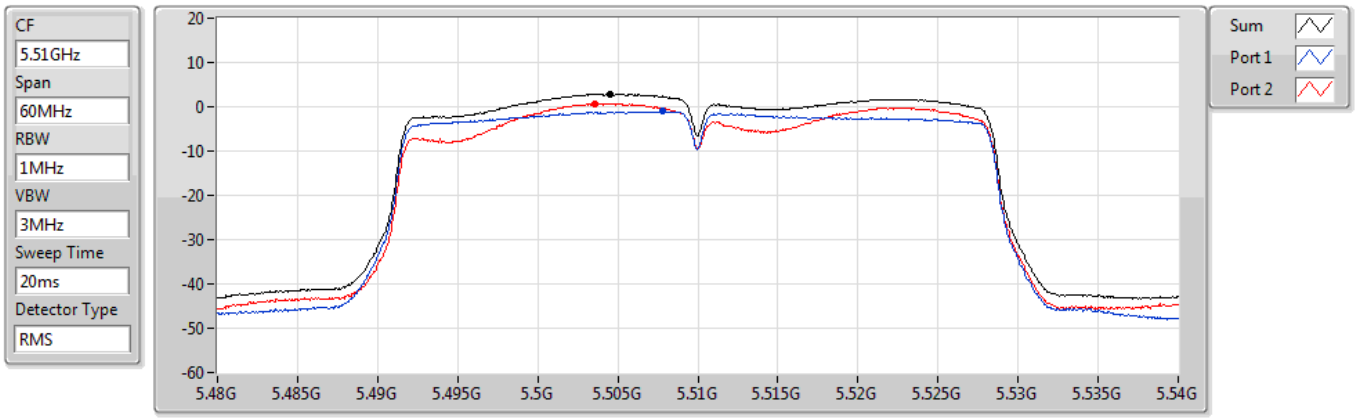


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.25	2.25	-1.88	0.46

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5510MHz

15/06/2021

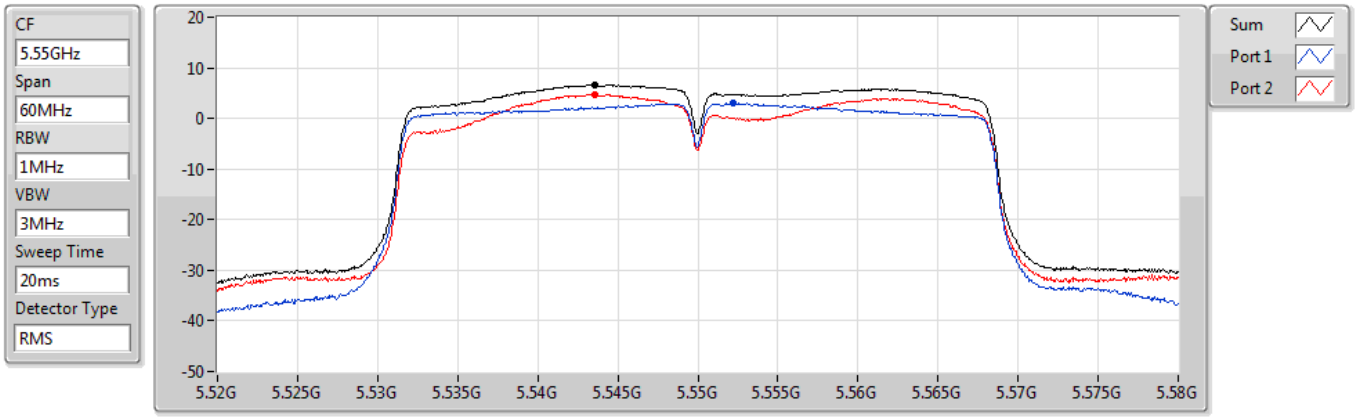


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	-1.09	0.74

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5550MHz

15/06/2021

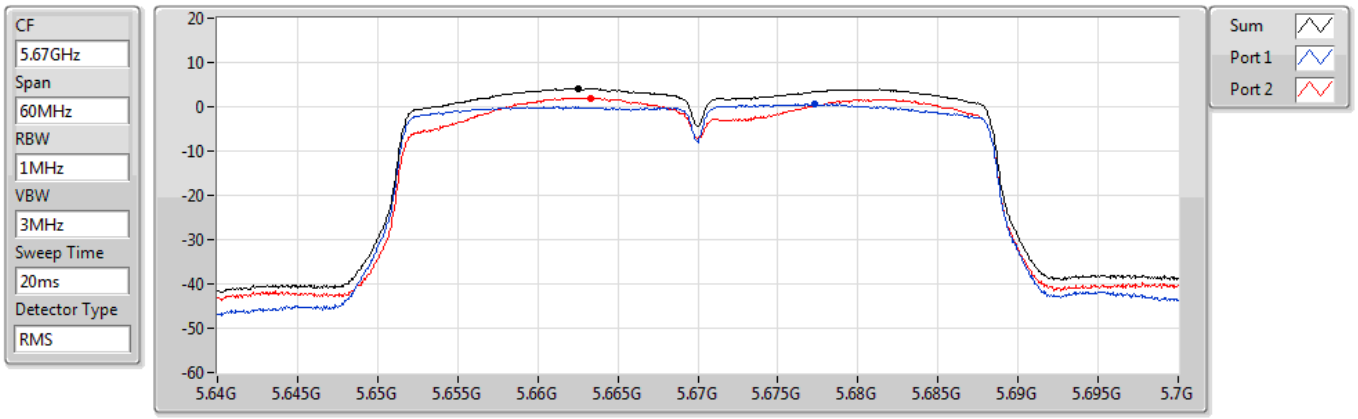


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.59	6.59	2.99	4.75

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5670MHz

15/06/2021

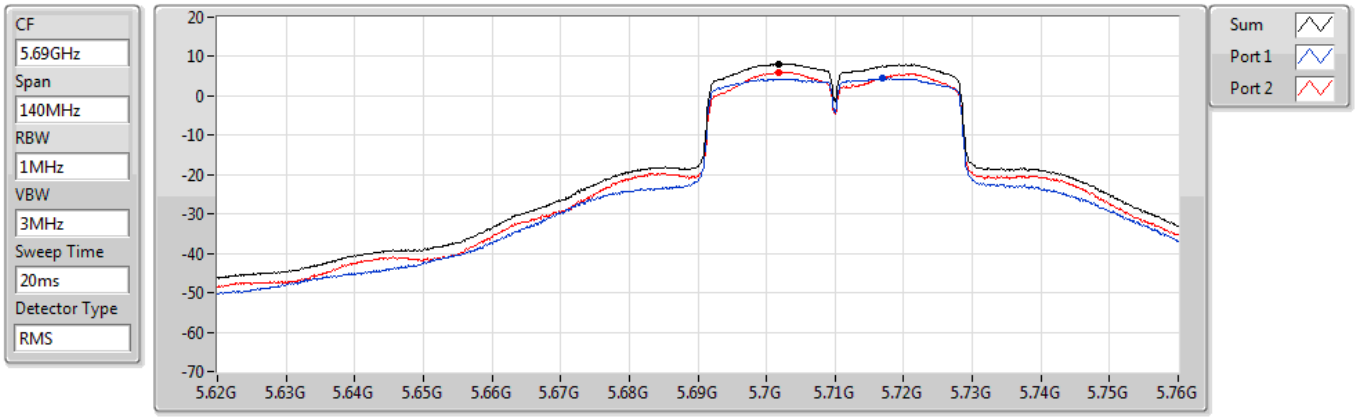


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.08	4.08	0.62	2.02

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5710MHz Straddle 5.47-5.725GHz

16/06/2021

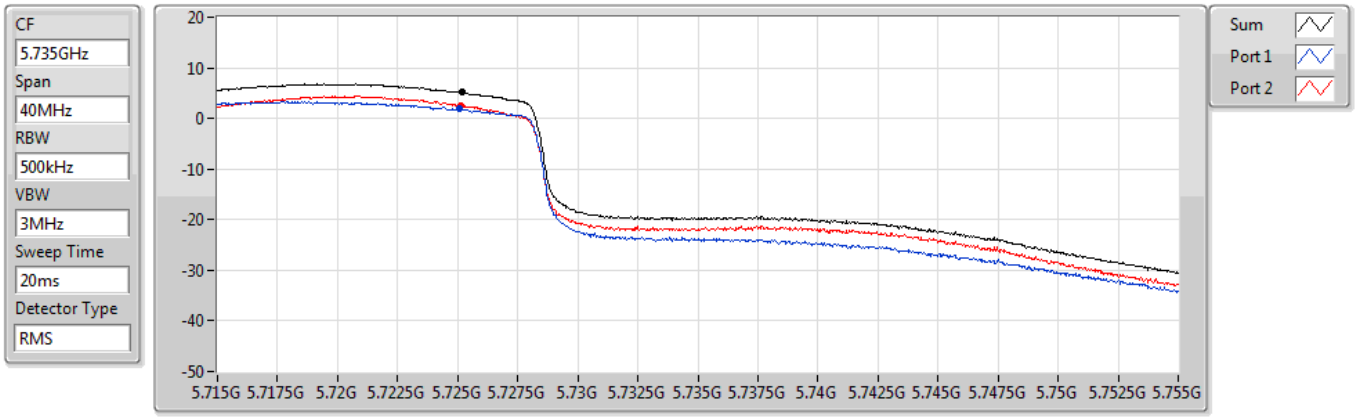


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	4.47	6.01

802.11ac VHT40_Nss1,(MCS0)_2TX PSD

5710MHz Straddle 5.725-5.85GHz

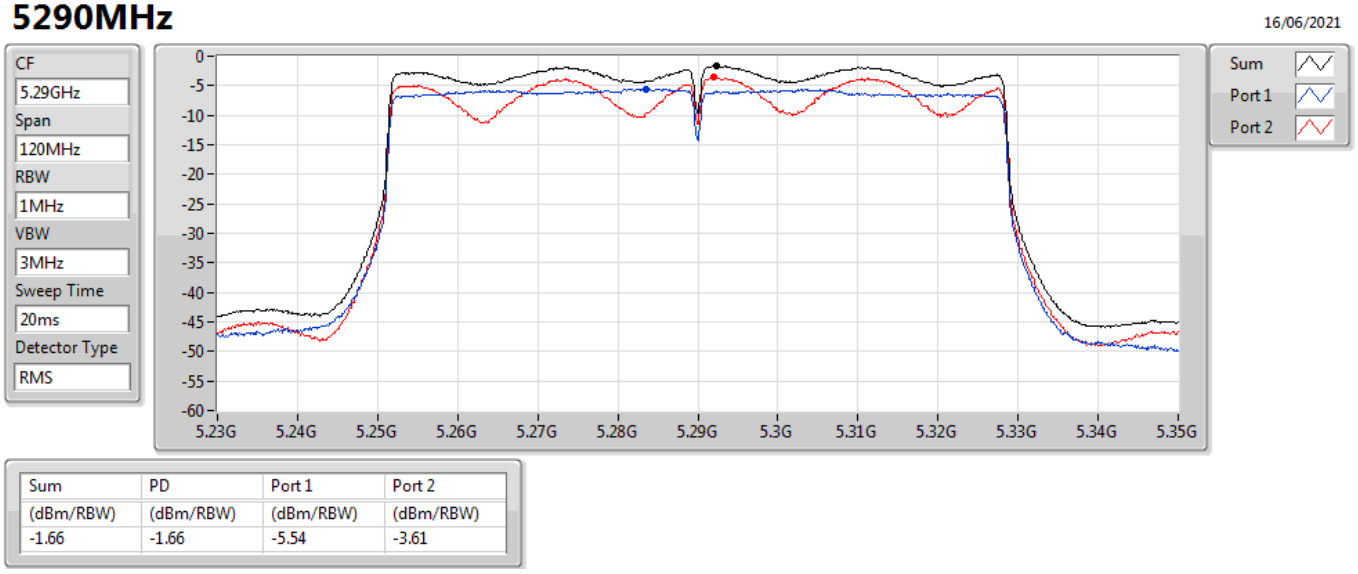
16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.20	5.20	1.82	2.60

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

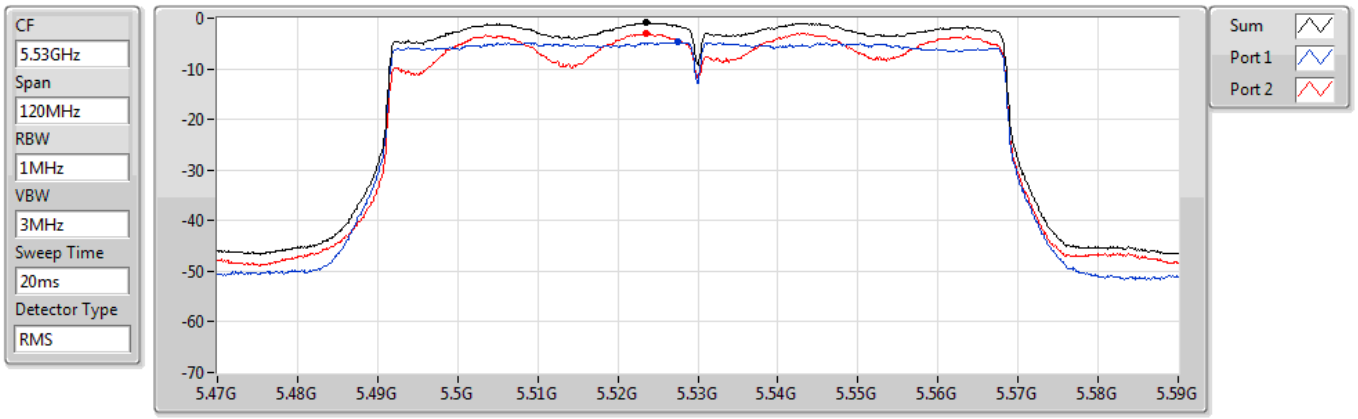
5290MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.66	-1.66	-5.54	-3.61

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5530MHz

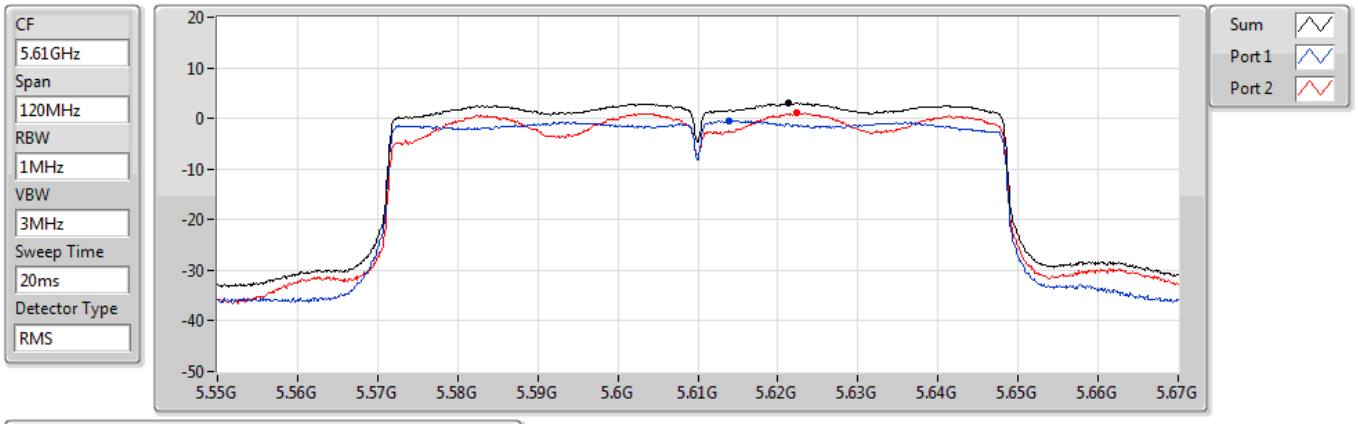


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.84	-0.84	-4.75	-2.92

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5610MHz

16/06/2021

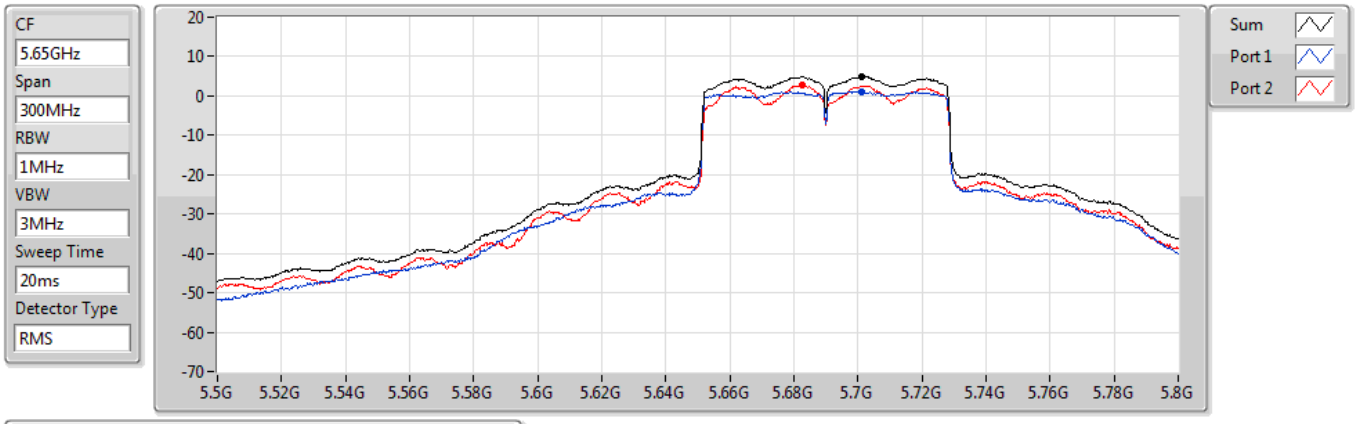


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.04	3.04	-0.38	1.09

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5690MHz Straddle 5.47-5.725GHz

16/06/2021

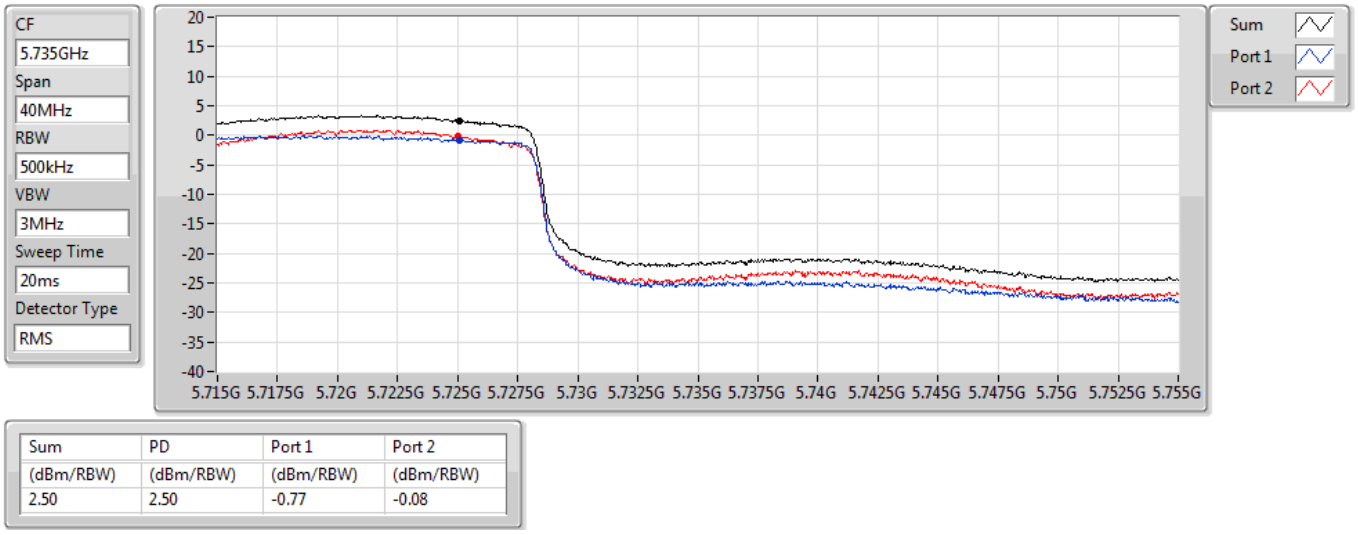


Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	1.16	2.76

802.11ac VHT80_Nss1,(MCS0)_2TX PSD

5690MHz Straddle 5.725-5.85GHz

16/06/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.50	2.50	-0.77	-0.08

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	AV	15.8986G	52.94	54.00	-1.06	3	Vertical	356	1.00	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	AV	15.8949G	52.21	54.00	-1.79	3	Vertical	258	3.00	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	AV	5.35G	52.65	54.00	-1.35	3	Vertical	66	2.91	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	15.89976G	51.99	54.00	-2.01	3	Vertical	176	1.77	-
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	Pass	PK	17.15852G	66.96	68.20	-1.24	3	Vertical	198	1.04	-
802.11ac VHT20_Nss1,(MCS0)_2TX	Pass	PK	5.468G	67.02	68.20	-1.18	3	Horizontal	194	2.80	-
802.11ac VHT40_Nss1,(MCS0)_2TX	Pass	PK	17.13032G	66.94	68.20	-1.26	3	Vertical	341	1.18	-
802.11ac VHT80_Nss1,(MCS0)_2TX	Pass	AV	5.447G	52.68	54.00	-1.32	3	Vertical	56	2.60	-

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	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1358G	49.01	54.00	-4.99	3	Vertical	165	2.78	-
5260MHz	Pass	AV	5.2648G	110.81	Inf	-Inf	3	Vertical	165	2.78	-
5260MHz	Pass	AV	5.3602G	48.78	54.00	-5.22	3	Vertical	165	2.78	-
5260MHz	Pass	PK	5.1472G	60.99	74.00	-13.01	3	Vertical	165	2.78	-
5260MHz	Pass	PK	5.2654G	120.95	Inf	-Inf	3	Vertical	165	2.78	-
5260MHz	Pass	PK	5.3632G	60.81	74.00	-13.19	3	Vertical	165	2.78	-
5260MHz	Pass	AV	5.149G	48.32	54.00	-5.68	3	Horizontal	175	2.76	-
5260MHz	Pass	AV	5.2642G	104.01	Inf	-Inf	3	Horizontal	175	2.76	-
5260MHz	Pass	AV	5.353G	48.45	54.00	-5.55	3	Horizontal	175	2.76	-
5260MHz	Pass	PK	5.1142G	60.42	74.00	-13.58	3	Horizontal	175	2.76	-
5260MHz	Pass	PK	5.2642G	114.46	Inf	-Inf	3	Horizontal	175	2.76	-
5260MHz	Pass	PK	5.4028G	60.52	74.00	-13.48	3	Horizontal	175	2.76	-
5260MHz	Pass	AV	15.77904G	52.38	54.00	-1.62	3	Vertical	150	1.30	-
5260MHz	Pass	PK	10.51836G	62.89	68.20	-5.31	3	Vertical	237	1.00	-
5260MHz	Pass	PK	15.78004G	65.72	74.00	-8.28	3	Vertical	150	1.30	-
5260MHz	Pass	AV	15.78628G	51.24	54.00	-2.76	3	Horizontal	286	2.80	-
5260MHz	Pass	PK	10.52448G	59.15	68.20	-9.05	3	Horizontal	10	1.50	-
5260MHz	Pass	PK	15.77388G	64.85	74.00	-9.15	3	Horizontal	286	2.80	-
5300MHz	Pass	AV	5.306G	109.64	Inf	-Inf	3	Vertical	49	2.90	-
5300MHz	Pass	AV	5.3504G	49.50	54.00	-4.50	3	Vertical	49	2.90	-
5300MHz	Pass	PK	5.3012G	120.25	Inf	-Inf	3	Vertical	49	2.90	-
5300MHz	Pass	PK	5.3512G	61.82	74.00	-12.18	3	Vertical	49	2.90	-
5300MHz	Pass	AV	5.2992G	101.76	Inf	-Inf	3	Horizontal	169	2.87	-
5300MHz	Pass	AV	5.356G	48.69	54.00	-5.31	3	Horizontal	169	2.87	-
5300MHz	Pass	PK	5.2988G	111.83	Inf	-Inf	3	Horizontal	169	2.87	-
5300MHz	Pass	PK	5.3608G	60.61	74.00	-13.39	3	Horizontal	169	2.87	-
5300MHz	Pass	AV	15.8986G	52.94	54.00	-1.06	3	Vertical	356	1.00	-
5300MHz	Pass	PK	10.59936G	62.21	68.20	-5.99	3	Vertical	241	1.09	-
5300MHz	Pass	PK	15.90452G	66.42	74.00	-7.58	3	Vertical	356	1.00	-
5300MHz	Pass	AV	15.90136G	51.96	54.00	-2.04	3	Horizontal	240	1.50	-
5300MHz	Pass	PK	10.5994G	57.82	68.20	-10.38	3	Horizontal	20	2.13	-
5300MHz	Pass	PK	15.90372G	65.12	74.00	-8.88	3	Horizontal	240	1.50	-
5320MHz	Pass	AV	5.3208G	107.09	Inf	-Inf	3	Vertical	52	2.90	-
5320MHz	Pass	AV	5.35G	52.94	54.00	-1.06	3	Vertical	52	2.90	-
5320MHz	Pass	PK	5.3208G	117.20	Inf	-Inf	3	Vertical	52	2.90	-
5320MHz	Pass	PK	5.3512G	69.47	74.00	-4.53	3	Vertical	52	2.90	-
5320MHz	Pass	AV	5.319G	99.21	Inf	-Inf	3	Horizontal	167	2.89	-
5320MHz	Pass	AV	5.35G	49.24	54.00	-4.76	3	Horizontal	167	2.89	-
5320MHz	Pass	PK	5.3186G	109.51	Inf	-Inf	3	Horizontal	167	2.89	-
5320MHz	Pass	PK	5.35G	63.33	74.00	-10.67	3	Horizontal	167	2.89	-
5320MHz	Pass	AV	10.63944G	47.45	54.00	-6.55	3	Vertical	241	1.07	-
5320MHz	Pass	AV	15.9608G	52.19	54.00	-1.81	3	Vertical	304	2.64	-
5320MHz	Pass	PK	10.63436G	60.61	74.00	-13.39	3	Vertical	241	1.07	-
5320MHz	Pass	PK	15.9646G	65.43	74.00	-8.57	3	Vertical	304	2.64	-
5320MHz	Pass	AV	10.63964G	43.61	54.00	-10.39	3	Horizontal	24	2.08	-
5320MHz	Pass	AV	15.96904G	52.24	54.00	-1.76	3	Horizontal	360	1.02	-
5320MHz	Pass	PK	10.64828G	56.77	74.00	-17.23	3	Horizontal	24	2.08	-
5320MHz	Pass	PK	15.9604G	65.29	74.00	-8.71	3	Horizontal	360	1.02	-
5500MHz	Pass	AV	5.4596G	48.71	54.00	-5.29	3	Vertical	48	3.00	-
5500MHz	Pass	AV	5.5058G	104.28	Inf	-Inf	3	Vertical	48	3.00	-
5500MHz	Pass	PK	5.4698G	66.87	68.20	-1.33	3	Vertical	48	3.00	-
5500MHz	Pass	PK	5.5014G	115.06	Inf	-Inf	3	Vertical	48	3.00	-
5500MHz	Pass	AV	5.4568G	48.18	54.00	-5.82	3	Horizontal	194	2.95	-
5500MHz	Pass	AV	5.5014G	98.85	Inf	-Inf	3	Horizontal	194	2.95	-
5500MHz	Pass	PK	5.4698G	61.94	68.20	-6.26	3	Horizontal	194	2.95	-
5500MHz	Pass	PK	5.5012G	109.50	Inf	-Inf	3	Horizontal	194	2.95	-
5500MHz	Pass	AV	11.00016G	44.49	54.00	-9.51	3	Vertical	253	1.00	-
5500MHz	Pass	PK	11.00056G	58.11	74.00	-15.89	3	Vertical	253	1.00	-
5500MHz	Pass	PK	16.5G	64.98	68.20	-3.22	3	Vertical	68	1.50	-
5500MHz	Pass	AV	11G	41.66	54.00	-12.34	3	Horizontal	285	2.01	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5500MHz	Pass	PK	10.99452G	55.26	74.00	-18.74	3	Horizontal	285	2.01	-
5500MHz	Pass	PK	16.49036G	65.58	68.20	-2.62	3	Horizontal	251	1.92	-
5580MHz	Pass	AV	5.4402G	47.45	54.00	-6.55	3	Vertical	194	2.79	-
5580MHz	Pass	AV	5.5782G	108.02	Inf	-Inf	3	Vertical	194	2.79	-
5580MHz	Pass	PK	5.4636G	59.33	68.20	-8.87	3	Vertical	194	2.79	-
5580MHz	Pass	PK	5.5782G	118.49	Inf	-Inf	3	Vertical	194	2.79	-
5580MHz	Pass	PK	5.727G	58.71	68.20	-9.49	3	Vertical	194	2.79	-
5580MHz	Pass	AV	5.436G	47.38	54.00	-6.62	3	Horizontal	61	2.51	-
5580MHz	Pass	AV	5.5824G	102.79	Inf	-Inf	3	Horizontal	61	2.51	-
5580MHz	Pass	PK	5.4666G	58.85	68.20	-9.35	3	Horizontal	61	2.51	-
5580MHz	Pass	PK	5.5824G	113.54	Inf	-Inf	3	Horizontal	61	2.51	-
5580MHz	Pass	PK	5.7282G	58.44	68.20	-9.76	3	Horizontal	61	2.51	-
5580MHz	Pass	AV	11.15908G	48.91	54.00	-5.09	3	Vertical	141	1.09	-
5580MHz	Pass	PK	11.1592G	61.95	74.00	-12.05	3	Vertical	141	1.09	-
5580MHz	Pass	PK	16.74804G	66.19	68.20	-2.01	3	Vertical	65	1.22	-
5580MHz	Pass	AV	11.15886G	45.09	54.00	-8.91	3	Horizontal	321	1.00	-
5580MHz	Pass	PK	11.16018G	58.33	74.00	-15.67	3	Horizontal	321	1.00	-
5580MHz	Pass	PK	16.74066G	63.02	68.20	-5.18	3	Horizontal	181	1.12	-
5700MHz	Pass	AV	5.7024G	104.47	Inf	-Inf	3	Vertical	168	2.95	-
5700MHz	Pass	PK	5.6972G	114.66	Inf	-Inf	3	Vertical	168	2.95	-
5700MHz	Pass	PK	5.7264G	66.18	68.20	-2.02	3	Vertical	168	2.95	-
5700MHz	Pass	AV	5.6984G	99.34	Inf	-Inf	3	Horizontal	86	2.56	-
5700MHz	Pass	PK	5.6984G	109.79	Inf	-Inf	3	Horizontal	86	2.56	-
5700MHz	Pass	PK	5.7336G	60.80	68.20	-7.40	3	Horizontal	86	2.56	-
5700MHz	Pass	AV	11.39996G	42.77	54.00	-11.23	3	Vertical	50	1.58	-
5700MHz	Pass	PK	11.40384G	55.59	74.00	-18.41	3	Vertical	50	1.58	-
5700MHz	Pass	PK	17.10868G	62.27	68.20	-5.93	3	Vertical	72	2.34	-
5700MHz	Pass	AV	11.39672G	42.75	54.00	-11.25	3	Horizontal	346	2.01	-
5700MHz	Pass	PK	11.39448G	56.15	74.00	-17.85	3	Horizontal	346	2.01	-
5700MHz	Pass	PK	17.09556G	61.58	68.20	-6.62	3	Horizontal	355	2.32	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4356G	47.42	54.00	-6.58	3	Vertical	175	2.80	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7164G	107.78	Inf	-Inf	3	Vertical	175	2.80	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	58.62	68.20	-9.58	3	Vertical	175	2.80	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	118.54	Inf	-Inf	3	Vertical	175	2.80	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9372G	59.80	68.20	-8.40	3	Vertical	175	2.80	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4488G	47.21	54.00	-6.79	3	Horizontal	63	2.30	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7224G	101.93	Inf	-Inf	3	Horizontal	63	2.30	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	58.21	68.20	-9.99	3	Horizontal	63	2.30	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	111.93	Inf	-Inf	3	Horizontal	63	2.30	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9204G	59.52	68.20	-8.68	3	Horizontal	63	2.30	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44272G	45.07	54.00	-8.93	3	Vertical	52	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.4386G	58.02	74.00	-15.98	3	Vertical	52	2.20	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15852G	66.96	68.20	-1.24	3	Vertical	198	1.04	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44212G	42.57	54.00	-11.43	3	Horizontal	184	1.54	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44372G	55.89	74.00	-18.11	3	Horizontal	184	1.54	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15524G	61.59	68.20	-6.61	3	Horizontal	248	1.07	-
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	AV	5.1358G	47.02	54.00	-6.98	3	Vertical	51	2.82	-
5260MHz	Pass	AV	5.2618G	109.94	Inf	-Inf	3	Vertical	51	2.82	-
5260MHz	Pass	AV	5.3518G	47.48	54.00	-6.52	3	Vertical	51	2.82	-
5260MHz	Pass	PK	5.1454G	59.47	74.00	-14.53	3	Vertical	51	2.82	-
5260MHz	Pass	PK	5.2648G	120.86	Inf	-Inf	3	Vertical	51	2.82	-
5260MHz	Pass	PK	5.3746G	60.08	74.00	-13.92	3	Vertical	51	2.82	-
5260MHz	Pass	AV	5.149G	46.90	54.00	-7.10	3	Horizontal	174	2.80	-
5260MHz	Pass	AV	5.2558G	102.46	Inf	-Inf	3	Horizontal	174	2.80	-
5260MHz	Pass	AV	5.3506G	47.10	54.00	-6.90	3	Horizontal	174	2.80	-
5260MHz	Pass	PK	5.1448G	59.87	74.00	-14.13	3	Horizontal	174	2.80	-
5260MHz	Pass	PK	5.2558G	114.54	Inf	-Inf	3	Horizontal	174	2.80	-
5260MHz	Pass	PK	5.3872G	59.45	74.00	-14.55	3	Horizontal	174	2.80	-
5260MHz	Pass	AV	15.77668G	51.57	54.00	-2.43	3	Vertical	218	1.00	-
5260MHz	Pass	PK	10.51568G	60.67	68.20	-7.53	3	Vertical	144	2.25	-
5260MHz	Pass	PK	15.77504G	65.53	74.00	-8.47	3	Vertical	218	1.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5260MHz	Pass	AV	15.77256G	50.77	54.00	-3.23	3	Horizontal	116	2.03	-
5260MHz	Pass	PK	10.53182G	57.36	68.20	-10.84	3	Horizontal	316	1.00	-
5260MHz	Pass	PK	15.76518G	64.67	74.00	-9.33	3	Horizontal	116	2.03	-
5300MHz	Pass	AV	5.3016G	108.07	Inf	-Inf	3	Vertical	170	2.30	-
5300MHz	Pass	AV	5.35G	49.20	54.00	-4.80	3	Vertical	170	2.30	-
5300MHz	Pass	PK	5.302G	118.62	Inf	-Inf	3	Vertical	170	2.30	-
5300MHz	Pass	PK	5.3508G	63.30	74.00	-10.70	3	Vertical	170	2.30	-
5300MHz	Pass	AV	5.3032G	101.66	Inf	-Inf	3	Horizontal	192	2.98	-
5300MHz	Pass	AV	5.35G	47.71	54.00	-6.29	3	Horizontal	192	2.98	-
5300MHz	Pass	PK	5.3044G	112.65	Inf	-Inf	3	Horizontal	192	2.98	-
5300MHz	Pass	PK	5.35G	61.31	74.00	-12.69	3	Horizontal	192	2.98	-
5300MHz	Pass	AV	15.8949G	52.21	54.00	-1.79	3	Vertical	258	3.00	-
5300MHz	Pass	PK	10.59682G	62.01	68.20	-6.19	3	Vertical	146	2.11	-
5300MHz	Pass	PK	15.89118G	66.10	74.00	-7.90	3	Vertical	258	3.00	-
5300MHz	Pass	AV	15.91458G	51.28	54.00	-2.72	3	Horizontal	257	1.50	-
5300MHz	Pass	PK	10.59634G	57.63	68.20	-10.57	3	Horizontal	130	2.88	-
5300MHz	Pass	PK	15.8985G	65.15	74.00	-8.85	3	Horizontal	257	1.50	-
5320MHz	Pass	AV	5.3236G	106.38	Inf	-Inf	3	Vertical	52	2.90	-
5320MHz	Pass	AV	5.35G	51.81	54.00	-2.19	3	Vertical	52	2.90	-
5320MHz	Pass	PK	5.3234G	117.95	Inf	-Inf	3	Vertical	52	2.90	-
5320MHz	Pass	PK	5.3506G	68.79	74.00	-5.21	3	Vertical	52	2.90	-
5320MHz	Pass	AV	5.3172G	99.03	Inf	-Inf	3	Horizontal	176	3.00	-
5320MHz	Pass	AV	5.3508G	47.72	54.00	-6.28	3	Horizontal	176	3.00	-
5320MHz	Pass	PK	5.3174G	110.83	Inf	-Inf	3	Horizontal	176	3.00	-
5320MHz	Pass	PK	5.35G	60.62	74.00	-13.38	3	Horizontal	176	3.00	-
5320MHz	Pass	AV	10.63754G	46.93	54.00	-7.07	3	Vertical	143	2.11	-
5320MHz	Pass	AV	15.96204G	51.44	54.00	-2.56	3	Vertical	0	1.04	-
5320MHz	Pass	PK	10.63826G	61.72	74.00	-12.28	3	Vertical	143	2.11	-
5320MHz	Pass	PK	15.94908G	65.26	74.00	-8.74	3	Vertical	0	1.04	-
5320MHz	Pass	AV	10.6388G	43.26	54.00	-10.74	3	Horizontal	308	1.05	-
5320MHz	Pass	AV	15.96222G	51.48	54.00	-2.52	3	Horizontal	360	1.50	-
5320MHz	Pass	PK	10.63952G	56.88	74.00	-17.12	3	Horizontal	308	1.05	-
5320MHz	Pass	PK	15.97002G	65.48	74.00	-8.52	3	Horizontal	360	1.50	-
5500MHz	Pass	AV	5.46G	48.43	54.00	-5.57	3	Vertical	160	2.47	-
5500MHz	Pass	AV	5.4984G	105.48	Inf	-Inf	3	Vertical	160	2.47	-
5500MHz	Pass	PK	5.4694G	66.98	68.20	-1.22	3	Vertical	160	2.47	-
5500MHz	Pass	PK	5.497G	116.66	Inf	-Inf	3	Vertical	160	2.47	-
5500MHz	Pass	AV	5.46G	46.87	54.00	-7.13	3	Horizontal	194	2.80	-
5500MHz	Pass	AV	5.5036G	100.52	Inf	-Inf	3	Horizontal	194	2.80	-
5500MHz	Pass	PK	5.468G	67.02	68.20	-1.18	3	Horizontal	194	2.80	-
5500MHz	Pass	PK	5.5046G	112.48	Inf	-Inf	3	Horizontal	194	2.80	-
5500MHz	Pass	AV	10.99322G	45.25	54.00	-8.75	3	Vertical	148	2.70	-
5500MHz	Pass	PK	10.99292G	59.46	74.00	-14.54	3	Vertical	148	2.70	-
5500MHz	Pass	PK	16.4922G	65.31	68.20	-2.89	3	Vertical	146	1.50	-
5500MHz	Pass	AV	10.99376G	43.17	54.00	-10.83	3	Horizontal	218	1.00	-
5500MHz	Pass	PK	10.99496G	56.89	74.00	-17.11	3	Horizontal	218	1.00	-
5500MHz	Pass	PK	16.50612G	65.01	68.20	-3.19	3	Horizontal	262	1.50	-
5580MHz	Pass	AV	5.448G	48.21	54.00	-5.79	3	Vertical	68	2.79	-
5580MHz	Pass	AV	5.583G	109.05	Inf	-Inf	3	Vertical	68	2.79	-
5580MHz	Pass	PK	5.4672G	60.04	68.20	-8.16	3	Vertical	68	2.79	-
5580MHz	Pass	PK	5.5836G	120.65	Inf	-Inf	3	Vertical	68	2.79	-
5580MHz	Pass	PK	5.7264G	59.74	68.20	-8.46	3	Vertical	68	2.79	-
5580MHz	Pass	AV	5.4354G	47.49	54.00	-6.51	3	Horizontal	352	2.61	-
5580MHz	Pass	AV	5.5722G	103.69	Inf	-Inf	3	Horizontal	352	2.61	-
5580MHz	Pass	PK	5.466G	59.57	68.20	-8.63	3	Horizontal	352	2.61	-
5580MHz	Pass	PK	5.5746G	114.66	Inf	-Inf	3	Horizontal	352	2.61	-
5580MHz	Pass	PK	5.7252G	59.56	68.20	-8.64	3	Horizontal	352	2.61	-
5580MHz	Pass	AV	11.15808G	48.70	54.00	-5.30	3	Vertical	140	1.01	-
5580MHz	Pass	PK	11.15784G	62.92	74.00	-11.08	3	Vertical	140	1.01	-
5580MHz	Pass	PK	16.7484G	66.37	68.20	-1.83	3	Vertical	64	1.24	-
5580MHz	Pass	AV	11.16072G	44.29	54.00	-9.71	3	Horizontal	217	3.00	-
5580MHz	Pass	PK	11.15968G	57.47	74.00	-16.53	3	Horizontal	217	3.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5580MHz	Pass	PK	16.75008G	61.03	68.20	-7.17	3	Horizontal	41	1.00	-
5700MHz	Pass	AV	5.6944G	102.61	Inf	-Inf	3	Vertical	190	2.95	-
5700MHz	Pass	PK	5.6932G	113.52	Inf	-Inf	3	Vertical	190	2.95	-
5700MHz	Pass	PK	5.7284G	66.09	68.20	-2.11	3	Vertical	190	2.95	-
5700MHz	Pass	AV	5.708G	96.64	Inf	-Inf	3	Horizontal	66	2.34	-
5700MHz	Pass	PK	5.7056G	107.32	Inf	-Inf	3	Horizontal	66	2.34	-
5700MHz	Pass	PK	5.7276G	66.97	68.20	-1.23	3	Horizontal	66	2.34	-
5700MHz	Pass	AV	11.40004G	45.07	54.00	-8.93	3	Vertical	140	1.00	-
5700MHz	Pass	PK	11.40176G	58.87	74.00	-15.13	3	Vertical	140	1.00	-
5700MHz	Pass	PK	17.10232G	62.67	68.20	-5.53	3	Vertical	72	1.50	-
5700MHz	Pass	AV	11.39332G	42.56	54.00	-11.44	3	Horizontal	112	1.50	-
5700MHz	Pass	PK	11.40364G	56.85	74.00	-17.15	3	Horizontal	112	1.50	-
5700MHz	Pass	PK	17.09048G	61.74	68.20	-6.46	3	Horizontal	176	1.50	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4236G	47.61	54.00	-6.39	3	Vertical	235	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7152G	109.43	Inf	-Inf	3	Vertical	235	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.468G	59.86	68.20	-8.34	3	Vertical	235	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	120.15	Inf	-Inf	3	Vertical	235	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8832G	60.83	68.20	-7.37	3	Vertical	235	2.40	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4452G	47.42	54.00	-6.58	3	Horizontal	349	3.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7152G	104.29	Inf	-Inf	3	Horizontal	349	3.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	60.00	68.20	-8.20	3	Horizontal	349	3.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7164G	115.81	Inf	-Inf	3	Horizontal	349	3.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9456G	60.49	68.20	-7.71	3	Horizontal	349	3.00	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43864G	46.55	54.00	-7.45	3	Vertical	139	1.02	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43848G	60.60	74.00	-13.40	3	Vertical	139	1.02	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.17216G	66.13	68.20	-2.07	3	Vertical	197	1.06	-
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.4436G	42.64	54.00	-11.36	3	Horizontal	152	1.76	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.42432G	56.45	74.00	-17.55	3	Horizontal	152	1.76	-
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.17368G	61.76	68.20	-6.44	3	Horizontal	184	1.98	-
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	AV	5.2776G	106.67	Inf	-Inf	3	Vertical	240	2.60	-
5270MHz	Pass	AV	5.3512G	51.72	54.00	-2.28	3	Vertical	240	2.60	-
5270MHz	Pass	PK	5.2784G	116.99	Inf	-Inf	3	Vertical	240	2.60	-
5270MHz	Pass	PK	5.3556G	67.15	74.00	-6.85	3	Vertical	240	2.60	-
5270MHz	Pass	AV	5.272G	97.90	Inf	-Inf	3	Horizontal	154	2.36	-
5270MHz	Pass	AV	5.3508G	49.42	54.00	-4.58	3	Horizontal	154	2.36	-
5270MHz	Pass	PK	5.2728G	108.16	Inf	-Inf	3	Horizontal	154	2.36	-
5270MHz	Pass	PK	5.3516G	64.25	74.00	-9.75	3	Horizontal	154	2.36	-
5270MHz	Pass	AV	15.8248G	51.73	54.00	-2.27	3	Vertical	360	3.00	-
5270MHz	Pass	PK	10.5352G	58.64	68.20	-9.56	3	Vertical	144	2.20	-
5270MHz	Pass	PK	15.8159G	64.73	74.00	-9.27	3	Vertical	360	3.00	-
5270MHz	Pass	AV	15.8223G	51.69	54.00	-2.31	3	Horizontal	29	1.01	-
5270MHz	Pass	PK	10.5502G	56.15	68.20	-12.05	3	Horizontal	205	2.18	-
5270MHz	Pass	PK	15.8336G	65.03	74.00	-8.97	3	Horizontal	29	1.01	-
5310MHz	Pass	AV	5.3088G	100.30	Inf	-Inf	3	Vertical	66	2.91	-
5310MHz	Pass	AV	5.35G	52.65	54.00	-1.35	3	Vertical	66	2.91	-
5310MHz	Pass	PK	5.3084G	109.37	Inf	-Inf	3	Vertical	66	2.91	-
5310MHz	Pass	PK	5.3504G	65.88	74.00	-8.12	3	Vertical	66	2.91	-
5310MHz	Pass	AV	5.3072G	90.59	Inf	-Inf	3	Horizontal	143	3.00	-
5310MHz	Pass	AV	5.3504G	48.78	54.00	-5.22	3	Horizontal	143	3.00	-
5310MHz	Pass	PK	5.3064G	99.68	Inf	-Inf	3	Horizontal	143	3.00	-
5310MHz	Pass	PK	5.3552G	60.43	74.00	-13.57	3	Horizontal	143	3.00	-
5310MHz	Pass	AV	10.629G	42.72	54.00	-11.28	3	Vertical	256	2.10	-
5310MHz	Pass	AV	15.9437G	52.26	54.00	-1.74	3	Vertical	58	1.15	-
5310MHz	Pass	PK	10.6324G	55.41	74.00	-18.59	3	Vertical	256	2.10	-
5310MHz	Pass	PK	15.9062G	64.91	74.00	-9.09	3	Vertical	58	1.15	-
5310MHz	Pass	AV	10.62452G	42.44	54.00	-11.56	3	Horizontal	259	2.13	-
5310MHz	Pass	AV	15.92748G	51.92	54.00	-2.08	3	Horizontal	220	1.99	-
5310MHz	Pass	PK	10.62448G	56.04	74.00	-17.96	3	Horizontal	259	2.13	-
5310MHz	Pass	PK	15.92056G	65.28	74.00	-8.72	3	Horizontal	220	1.99	-
5510MHz	Pass	AV	5.46G	49.80	54.00	-4.20	3	Vertical	60	3.00	-
5510MHz	Pass	AV	5.508G	102.50	Inf	-Inf	3	Vertical	60	3.00	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5510MHz	Pass	PK	5.468G	66.93	68.20	-1.27	3	Vertical	60	3.00	-
5510MHz	Pass	PK	5.5076G	112.07	Inf	-Inf	3	Vertical	60	3.00	-
5510MHz	Pass	AV	5.4568G	48.39	54.00	-5.61	3	Horizontal	98	2.37	-
5510MHz	Pass	AV	5.5172G	95.44	Inf	-Inf	3	Horizontal	98	2.37	-
5510MHz	Pass	PK	5.4648G	60.99	68.20	-7.21	3	Horizontal	98	2.37	-
5510MHz	Pass	PK	5.5184G	105.33	Inf	-Inf	3	Horizontal	98	2.37	-
5510MHz	Pass	AV	11.02744G	43.47	54.00	-10.53	3	Vertical	150	3.00	-
5510MHz	Pass	PK	11.02768G	56.13	74.00	-17.87	3	Vertical	150	3.00	-
5510MHz	Pass	PK	16.5282G	65.52	68.20	-2.68	3	Vertical	234	1.26	-
5510MHz	Pass	AV	11.01408G	43.61	54.00	-10.39	3	Horizontal	8	1.06	-
5510MHz	Pass	PK	11.01784G	56.51	74.00	-17.49	3	Horizontal	8	1.06	-
5510MHz	Pass	PK	16.53048G	65.09	68.20	-3.11	3	Horizontal	59	2.20	-
5550MHz	Pass	AV	5.46G	48.93	54.00	-5.07	3	Vertical	157	2.42	-
5550MHz	Pass	AV	5.548G	105.32	Inf	-Inf	3	Vertical	157	2.42	-
5550MHz	Pass	PK	5.4664G	66.89	68.20	-1.31	3	Vertical	157	2.42	-
5550MHz	Pass	PK	5.5476G	115.84	Inf	-Inf	3	Vertical	157	2.42	-
5550MHz	Pass	AV	5.4584G	47.66	54.00	-6.34	3	Horizontal	193	2.64	-
5550MHz	Pass	AV	5.556G	101.26	Inf	-Inf	3	Horizontal	193	2.64	-
5550MHz	Pass	PK	5.4696G	62.12	68.20	-6.08	3	Horizontal	193	2.64	-
5550MHz	Pass	PK	5.5552G	111.31	Inf	-Inf	3	Horizontal	193	2.64	-
5550MHz	Pass	AV	11.09632G	43.24	54.00	-10.76	3	Vertical	136	1.19	-
5550MHz	Pass	PK	11.10168G	56.20	74.00	-17.80	3	Vertical	136	1.19	-
5550MHz	Pass	PK	16.63136G	65.68	68.20	-2.52	3	Vertical	58	1.18	-
5550MHz	Pass	AV	11.10128G	41.78	54.00	-12.22	3	Horizontal	51	2.26	-
5550MHz	Pass	PK	11.0956G	55.08	74.00	-18.92	3	Horizontal	51	2.26	-
5550MHz	Pass	PK	16.6624G	65.32	68.20	-2.88	3	Horizontal	91	1.50	-
5670MHz	Pass	AV	5.6616G	102.20	Inf	-Inf	3	Vertical	182	2.69	-
5670MHz	Pass	PK	5.6622G	111.59	Inf	-Inf	3	Vertical	182	2.69	-
5670MHz	Pass	PK	5.7252G	66.20	68.20	-2.00	3	Vertical	182	2.69	-
5670MHz	Pass	AV	5.6628G	96.14	Inf	-Inf	3	Horizontal	88	2.51	-
5670MHz	Pass	PK	5.6622G	106.22	Inf	-Inf	3	Horizontal	88	2.51	-
5670MHz	Pass	PK	5.7264G	62.21	68.20	-5.99	3	Horizontal	88	2.51	-
5670MHz	Pass	AV	11.3456G	44.77	54.00	-9.23	3	Vertical	36	2.28	-
5670MHz	Pass	PK	11.3272G	57.78	74.00	-16.22	3	Vertical	36	2.28	-
5670MHz	Pass	PK	17.01016G	63.37	68.20	-4.83	3	Vertical	339	1.20	-
5670MHz	Pass	AV	11.34192G	43.99	54.00	-10.01	3	Horizontal	51	2.22	-
5670MHz	Pass	PK	11.31104G	56.91	74.00	-17.09	3	Horizontal	51	2.22	-
5670MHz	Pass	PK	17.03256G	63.30	68.20	-4.90	3	Horizontal	221	1.77	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4316G	47.19	54.00	-6.81	3	Vertical	337	2.60	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.7028G	106.10	Inf	-Inf	3	Vertical	337	2.60	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.4664G	58.53	68.20	-9.67	3	Vertical	337	2.60	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7016G	116.19	Inf	-Inf	3	Vertical	337	2.60	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8504G	64.58	68.20	-3.62	3	Vertical	337	2.60	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.4244G	47.28	54.00	-6.72	3	Horizontal	84	2.82	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	5.704G	101.65	Inf	-Inf	3	Horizontal	84	2.82	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.46G	59.32	68.20	-8.88	3	Horizontal	84	2.82	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.7052G	111.93	Inf	-Inf	3	Horizontal	84	2.82	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	5.8888G	59.82	68.20	-8.38	3	Horizontal	84	2.82	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.42336G	47.36	54.00	-6.64	3	Vertical	35	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.42144G	59.58	74.00	-14.42	3	Vertical	35	1.00	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13032G	66.94	68.20	-1.26	3	Vertical	341	1.18	-
5710MHz Straddle 5.47-5.725GHz	Pass	AV	11.42016G	44.40	54.00	-9.60	3	Horizontal	222	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	11.40176G	57.67	74.00	-16.33	3	Horizontal	222	1.50	-
5710MHz Straddle 5.47-5.725GHz	Pass	PK	17.13128G	65.23	68.20	-2.97	3	Horizontal	315	1.15	-
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	AV	5.148G	48.53	54.00	-5.47	3	Vertical	67	2.92	-
5290MHz	Pass	AV	5.31G	94.68	Inf	-Inf	3	Vertical	67	2.92	-
5290MHz	Pass	AV	5.35G	51.78	54.00	-2.22	3	Vertical	67	2.92	-
5290MHz	Pass	PK	5.121G	61.88	74.00	-12.12	3	Vertical	67	2.92	-
5290MHz	Pass	PK	5.312G	104.85	Inf	-Inf	3	Vertical	67	2.92	-
5290MHz	Pass	PK	5.465G	60.46	68.20	-7.74	3	Vertical	67	2.92	-
5290MHz	Pass	AV	5.145G	48.16	54.00	-5.84	3	Horizontal	282	2.62	-

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5290MHz	Pass	AV	5.31G	86.89	Inf	-Inf	3	Horizontal	282	2.62	-
5290MHz	Pass	AV	5.351G	49.40	54.00	-4.60	3	Horizontal	282	2.62	-
5290MHz	Pass	PK	5.066G	60.42	74.00	-13.58	3	Horizontal	282	2.62	-
5290MHz	Pass	PK	5.312G	95.86	Inf	-Inf	3	Horizontal	282	2.62	-
5290MHz	Pass	PK	5.521G	60.71	68.20	-7.49	3	Horizontal	282	2.62	-
5290MHz	Pass	AV	10.60064G	42.50	54.00	-11.50	3	Vertical	14	1.96	-
5290MHz	Pass	AV	15.89976G	51.99	54.00	-2.01	3	Vertical	176	1.77	-
5290MHz	Pass	PK	10.60992G	54.84	74.00	-19.16	3	Vertical	14	1.96	-
5290MHz	Pass	PK	15.90792G	64.78	74.00	-9.22	3	Vertical	176	1.77	-
5290MHz	Pass	AV	10.61664G	42.55	54.00	-11.45	3	Horizontal	203	2.48	-
5290MHz	Pass	AV	15.86424G	51.79	54.00	-2.21	3	Horizontal	17	2.21	-
5290MHz	Pass	PK	10.60304G	55.90	74.00	-18.10	3	Horizontal	203	2.48	-
5290MHz	Pass	PK	15.85768G	64.64	74.00	-9.36	3	Horizontal	17	2.21	-
5530MHz	Pass	AV	5.447G	52.68	54.00	-1.32	3	Vertical	56	2.60	-
5530MHz	Pass	AV	5.527G	98.43	Inf	-Inf	3	Vertical	56	2.60	-
5530MHz	Pass	PK	5.465G	66.28	68.20	-1.92	3	Vertical	56	2.60	-
5530MHz	Pass	PK	5.525G	108.04	Inf	-Inf	3	Vertical	56	2.60	-
5530MHz	Pass	PK	5.774G	60.29	68.20	-7.91	3	Vertical	56	2.60	-
5530MHz	Pass	AV	5.46G	49.93	54.00	-4.07	3	Horizontal	354	2.82	-
5530MHz	Pass	AV	5.53G	94.59	Inf	-Inf	3	Horizontal	354	2.82	-
5530MHz	Pass	PK	5.464G	61.06	68.20	-7.14	3	Horizontal	354	2.82	-
5530MHz	Pass	PK	5.522G	101.04	Inf	-Inf	3	Horizontal	354	2.82	-
5530MHz	Pass	PK	5.737G	60.52	68.20	-7.68	3	Horizontal	354	2.82	-
5530MHz	Pass	AV	11.0248G	42.88	54.00	-11.12	3	Vertical	221	1.98	-
5530MHz	Pass	PK	11.03808G	55.78	74.00	-18.22	3	Vertical	221	1.98	-
5530MHz	Pass	PK	16.60856G	64.65	68.20	-3.55	3	Vertical	348	2.50	-
5530MHz	Pass	AV	11.0224G	42.77	54.00	-11.23	3	Horizontal	8	1.07	-
5530MHz	Pass	PK	11.03424G	56.55	74.00	-17.45	3	Horizontal	8	1.07	-
5530MHz	Pass	PK	16.58856G	65.41	68.20	-2.79	3	Horizontal	276	2.48	-
5610MHz	Pass	AV	5.452G	49.79	54.00	-4.21	3	Vertical	201	2.35	-
5610MHz	Pass	AV	5.618G	98.96	Inf	-Inf	3	Vertical	201	2.35	-
5610MHz	Pass	PK	5.469G	64.65	68.20	-3.55	3	Vertical	201	2.35	-
5610MHz	Pass	PK	5.618G	108.69	Inf	-Inf	3	Vertical	201	2.35	-
5610MHz	Pass	PK	5.743G	66.69	68.20	-1.51	3	Vertical	201	2.35	-
5610MHz	Pass	AV	5.459G	48.59	54.00	-5.41	3	Horizontal	319	2.49	-
5610MHz	Pass	AV	5.62G	96.90	Inf	-Inf	3	Horizontal	319	2.49	-
5610MHz	Pass	PK	5.468G	59.71	68.20	-8.49	3	Horizontal	319	2.49	-
5610MHz	Pass	PK	5.619G	106.45	Inf	-Inf	3	Horizontal	319	2.49	-
5610MHz	Pass	PK	5.727G	64.09	68.20	-4.11	3	Horizontal	319	2.49	-
5610MHz	Pass	AV	11.2136G	46.68	54.00	-7.32	3	Vertical	29	2.69	-
5610MHz	Pass	PK	11.21328G	59.86	74.00	-14.14	3	Vertical	29	2.69	-
5610MHz	Pass	PK	16.81944G	62.66	68.20	-5.54	3	Vertical	305	1.18	-
5610MHz	Pass	AV	11.21968G	44.40	54.00	-9.60	3	Horizontal	225	2.36	-
5610MHz	Pass	PK	11.2328G	56.73	74.00	-17.27	3	Horizontal	225	2.36	-
5610MHz	Pass	PK	16.84392G	61.27	68.20	-6.93	3	Horizontal	208	2.98	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4176G	48.60	54.00	-5.40	3	Vertical	236	2.42	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6852G	102.34	Inf	-Inf	3	Vertical	236	2.42	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4692G	60.35	68.20	-7.85	3	Vertical	236	2.42	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6852G	112.67	Inf	-Inf	3	Vertical	236	2.42	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8532G	66.59	68.20	-1.61	3	Vertical	236	2.42	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.4032G	48.04	54.00	-5.96	3	Horizontal	317	2.34	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	5.6816G	96.61	Inf	-Inf	3	Horizontal	317	2.34	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.4644G	59.64	68.20	-8.56	3	Horizontal	317	2.34	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.6804G	105.63	Inf	-Inf	3	Horizontal	317	2.34	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	5.8916G	60.91	68.20	-7.29	3	Horizontal	317	2.34	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.37616G	44.89	54.00	-9.11	3	Vertical	35	2.10	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.39536G	57.69	74.00	-16.31	3	Vertical	35	2.10	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.03096G	61.87	68.20	-6.33	3	Vertical	328	1.98	-
5690MHz Straddle 5.47-5.725GHz	Pass	AV	11.36064G	43.66	54.00	-10.34	3	Horizontal	262	2.10	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	11.3912G	56.91	74.00	-17.09	3	Horizontal	262	2.10	-
5690MHz Straddle 5.47-5.725GHz	Pass	PK	17.04248G	62.50	68.20	-5.70	3	Horizontal	137	1.35	-