



FCC Radio Test Report

FCC ID : TVE-3417T0966
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 23JFxxxxxx, FAP-23JFxxxxxx,
FORTIAP-23JFxxxxxx
(where “x” can be “A-Z”, or “0-9”, or “-”, or blank for software purposes 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 Oct. 27, 2020, and testing was started from Nov. 03, 2020 and completed on Jan. 21, 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.)



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PHOTOGRAPHS OF EUT V01



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.407(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: **Debby Hung**



1 General Description

1.1 Information

Radio	Function	Beamforming Mode
0	2.4G	Support
1	5G	Support
2	2.4G & 5G(Scanning Radio)	N/A
3	Bluetooth & Zigbee	N/A

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), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5250-5350	n (HT40), ac (VHT40) , ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]



Non-Beamforming
Radio 1

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
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX



Non-Beamforming
Radio 2

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX



**Beamforming
Radio 1**

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX
5.725-5.85GHz	802.11ax HEW20-BF	20	2TX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX
5.725-5.85GHz	802.11ax HEW40-BF	40	2TX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX
5.725-5.85GHz	802.11ax HEW80-BF	80	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT800 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Senao	5718A0566300	Dipole	I-PEX
2	Senao	5718A0567300	Dipole	I-PEX
3	Senao	5718A0568300	Dipole	I-PEX
4	Senao	5718A0569300	Dipole	I-PEX

Ant.	2.4GHz		5GHz		BTLE/Zigbee	Remark
	Antenna Gain(dBi)	Beamforming Gain(dBi)	Antenna Gain(dBi)	Beamforming Gain(dBi)	Antenna Gain(dBi)	
1	4.17	3.01	4.35	3.01	-	Radio 0,1
2	3.74		3.84		-	Radio 0,1
3	3.99	-	4.16	-	-	Radio 2
4	-	-	-	-	3.63	Radio 3

For 2.4 GHz function:

Radio 0

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

Ant. 1 and Ant. 2 could transmit/receive simultaneously.

Radio 2

For IEEE 802.11b/g/n mode (1TX/1RX)

Ant. 3 could transmit/receive.

For 5 GHz function:

Radio 1

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

Ant. 1 and Ant. 2 could transmit/receive simultaneously.

Radio 2

For IEEE 802.11a/n/ac mode (1TX/1RX)

Ant. 3 could transmit/receive.

For Bluetooth/Zigbee function:

Radio 3

For Bluetooth/Zigbee mode (1TX/1RX)

Only Ant. 4 can be used as transmitting/receiving.



1.1.3 EUT Information

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

1.1.4 Mode Test Duty Cycle

Non-Beamforming
Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.939	0.27	1.977m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.95	0.22	5.43m	300
802.11n HT40_Nss1,(MCS0)_2TX	0.946	0.24	5.429m	300
802.11ac VHT20_Nss1,(MCS0)_2TX	0.964	0.16	5.429m	300
802.11ac VHT40_Nss1,(MCS0)_2TX	0.957	0.19	5.429m	300
802.11ac VHT80_Nss1,(MCS0)_2TX	0.861	0.65	5.429m	300
802.11ax HEW20_Nss1,(MCS0)_2TX	0.95	0.22	5.452m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.934	0.3	5.452m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.918	0.37	5.012m	300

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



**Non-Beamforming
Radio 2**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_1TX	0.966	0.15	2.03m	1k
802.11n HT20_Nss1,(MCS0)_1TX	0.966	0.15	1.889m	1k
802.11n HT40_Nss1,(MCS0)_1TX	0.928	0.32	929.062u	3k
802.11ac VHT20_Nss1,(MCS0)_1TX	0.962	0.17	1.897m	1k
802.11ac VHT40_Nss1,(MCS0)_1TX	0.925	0.34	937.5u	3k
802.11ac VHT80_Nss1,(MCS0)_1TX	0.857	0.67	457.5u	3k

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

**Beamforming
Radio 1**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.95	0.22	5.452m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.934	0.3	5.452m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.918	0.37	5.012m	300

1.1.5 Table for Multiple Listing

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

Brand Name	Model Name	Description
FORTINET	FortiAP 23JFxxxxxx	All the models are identical, the difference model for difference brand served as marketing strategy.
	FAP-23JFxxxxxx	
	FORTIAP-23JFxxxxxx	

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR002618AN

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

Modifications	Performance Checking
Frequency bands U-NII-2A and U-NII-2C were added.	Emission Bandwidth, Maximum Conducted Output Power, Peak Power Spectral Density, Frequency Stability, Radiated Emissions was evaluated.



1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW1190 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH06-HY	Alan	20.1~26.9°C / 50~60%	05/Nov/2020~21/Jan/2021
Radiated	03CH02-HY	Daniel	20.7~26.1°C / 51~66%	03/Nov/2020~13/Jan/2021
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Condition

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

2.2 Test Channel Mode

Test Software Version	QSPR V5.0-00188
-----------------------	-----------------

Non-Beamforming Radio 1

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	18
5300MHz	18.5
5320MHz	18.5
5500MHz	18.5
5580MHz	17.5
5700MHz	18
5720MHz Straddle 5.47-5.725GHz	18.5
5720MHz Straddle 5.725-5.85GHz	18.5
802.11n HT20_Nss1,(MCS0)_2TX	-
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	19.5
5580MHz	19
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11n HT40_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	21
5510MHz	20.5
5550MHz	20.5



Mode	Power Setting
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	19.5
5580MHz	19
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	21
5510MHz	20.5
5550MHz	20.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5290MHz	20
5530MHz	20
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	20.5
5300MHz	20.5
5320MHz	20.5
5500MHz	19.5
5580MHz	19
5700MHz	19
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5



Mode	Power Setting
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	21
5510MHz	20.5
5550MHz	20.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5290MHz	20
5530MHz	20
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5



Non-Beamforming
Radio 2

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5260MHz	21
5300MHz	22
5320MHz	19.5
5500MHz	18.5
5580MHz	22
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11n HT20_Nss1,(MCS0)_1TX	-
5260MHz	21
5300MHz	22
5320MHz	19
5500MHz	18.5
5580MHz	22
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
802.11n HT40_Nss1,(MCS0)_1TX	-
5270MHz	21.5
5310MHz	18.5
5510MHz	17.5
5550MHz	22
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5260MHz	21
5300MHz	22
5320MHz	19
5500MHz	18.5
5580MHz	22
5700MHz	18.5



Mode	Power Setting
5720MHz Straddle 5.47-5.725GHz	19
5720MHz Straddle 5.725-5.85GHz	19
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5270MHz	21.5
5310MHz	18.5
5510MHz	17.5
5550MHz	22
5670MHz	19
5710MHz Straddle 5.47-5.725GHz	19
5710MHz Straddle 5.725-5.85GHz	19
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5290MHz	11
5530MHz	12
5610MHz	19
5690MHz Straddle 5.47-5.725GHz	19.5
5690MHz Straddle 5.725-5.85GHz	19.5






Beamforming
Radio 1

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5260MHz	20
5300MHz	20.5
5320MHz	20.5
5500MHz	19.5
5580MHz	19.5
5700MHz	19.5
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5270MHz	21
5310MHz	21
5510MHz	20
5550MHz	20
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	20
5710MHz Straddle 5.725-5.85GHz	20
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5290MHz	20
5530MHz	20
5610MHz	21
5690MHz Straddle 5.47-5.725GHz	20
5690MHz Straddle 5.725-5.85GHz	20

2.3 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	Unwanted Emissions		
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	CTX		
1	PoE mode		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	



2.4 Accessories

Accessories				
BRACKET WALL JACK	Brand Name	Enrack	Model Name	6002Ad953000

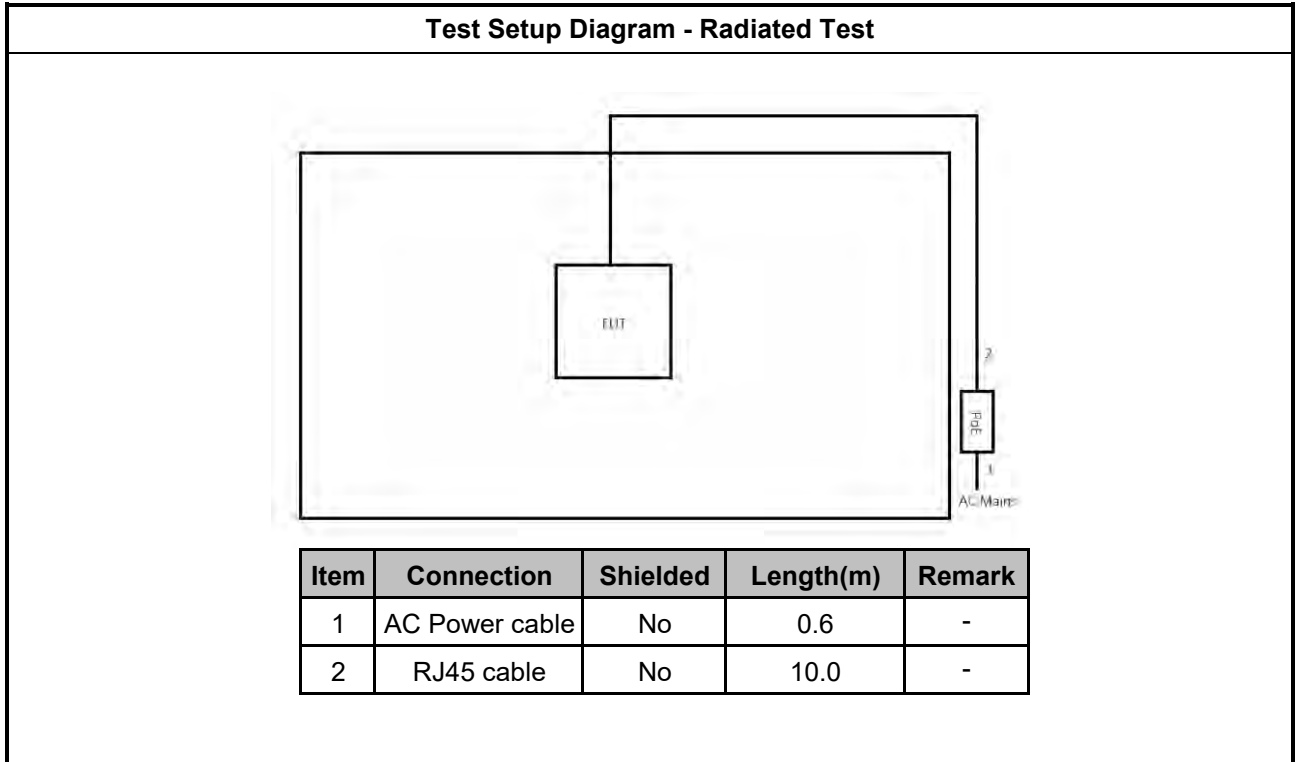
Reminder: Regarding to more detail and other information, please refer to user manual.

2.5 Support Equipment

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-10	-	-
2	Adapter	FSP	FSP065-DWAN3	-	Client provided
3	PoE	SENAO	EWS511AP_CE W/O DFS	-	Client provided
4	AC Power Cable	Power Sync	TPCPHN0006	-	-
5	AC Power Cable	Power Sync	PW-GPC180-3	-	-

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	FSP	FSP065-DWAN3	-	-

2.6 Test Setup Diagram



3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

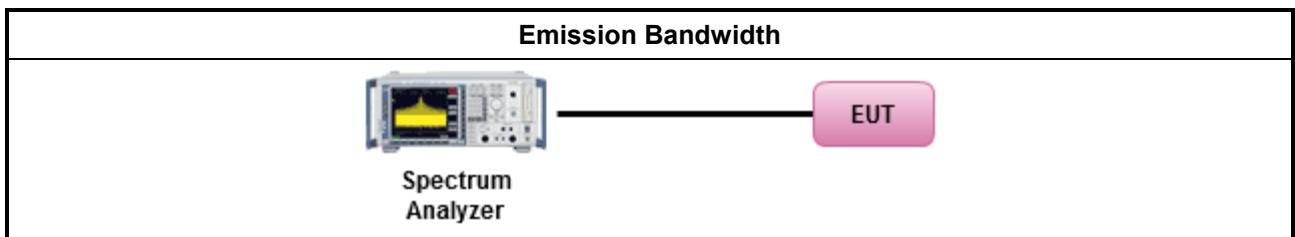
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.1.4 Test Setup



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	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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.

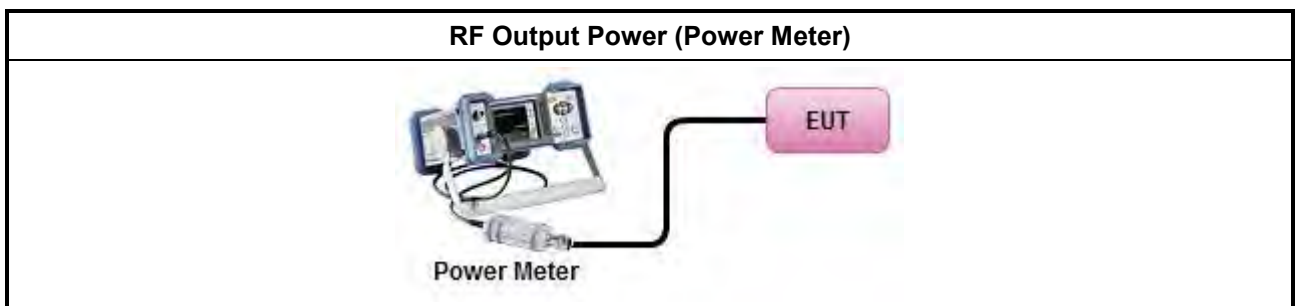
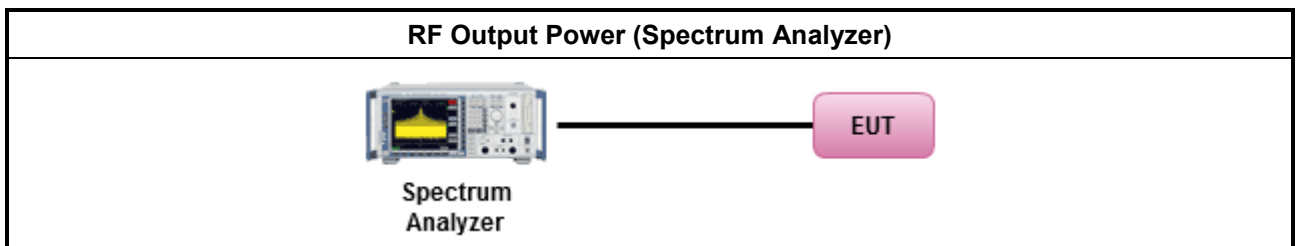
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Conducted Output Power 	
	<ul style="list-style-type: none"> <ul style="list-style-type: none"> Duty cycle $\geq 98\%$ <input type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). Duty cycle $< 98\%$ <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	<ul style="list-style-type: none"> Wideband RF power meter and average over on/off periods with duty factor <input checked="" type="checkbox"/> Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> <ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.2.4 Test Setup



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	
<input type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.

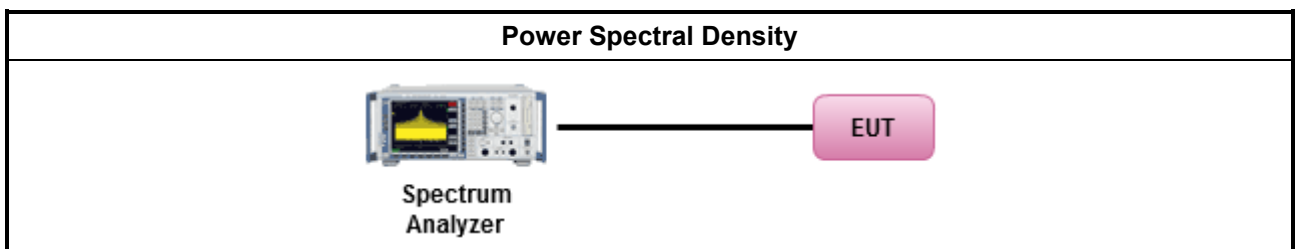
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
Duty cycle ≥ 98%	
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
Duty cycle < 98%	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$

3.3.4 Test Setup



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	
<ul style="list-style-type: none"> 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). 	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle \geq 98 or duty factor]. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: <ul style="list-style-type: none"> 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. <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW. <input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit. 	
<ul style="list-style-type: none"> For radiated measurement. <ul style="list-style-type: none"> 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. 	
<ul style="list-style-type: none"> The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	

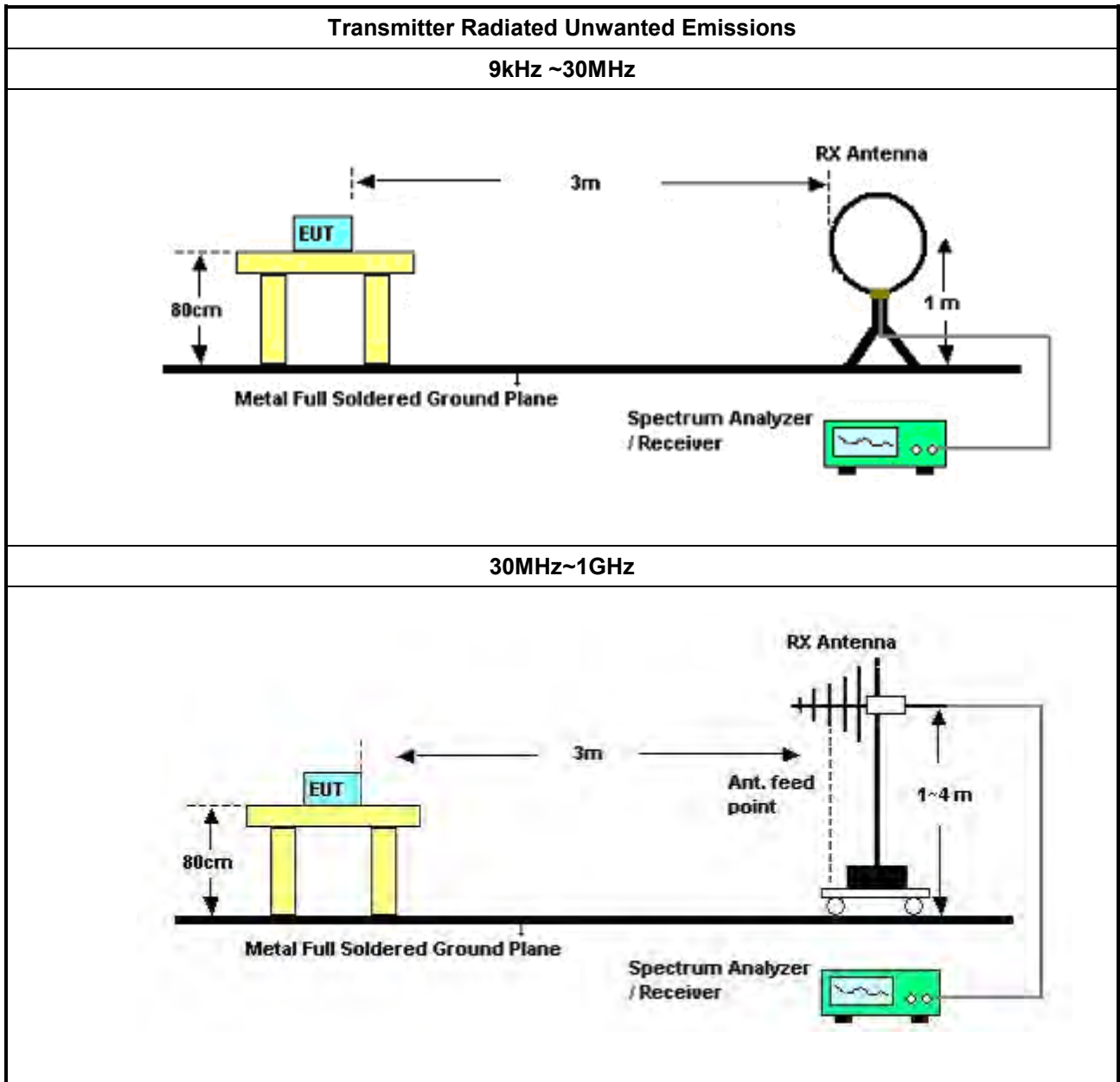
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: <ul style="list-style-type: none"> Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold. Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4. 	
<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. <ul style="list-style-type: none"> 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. 	

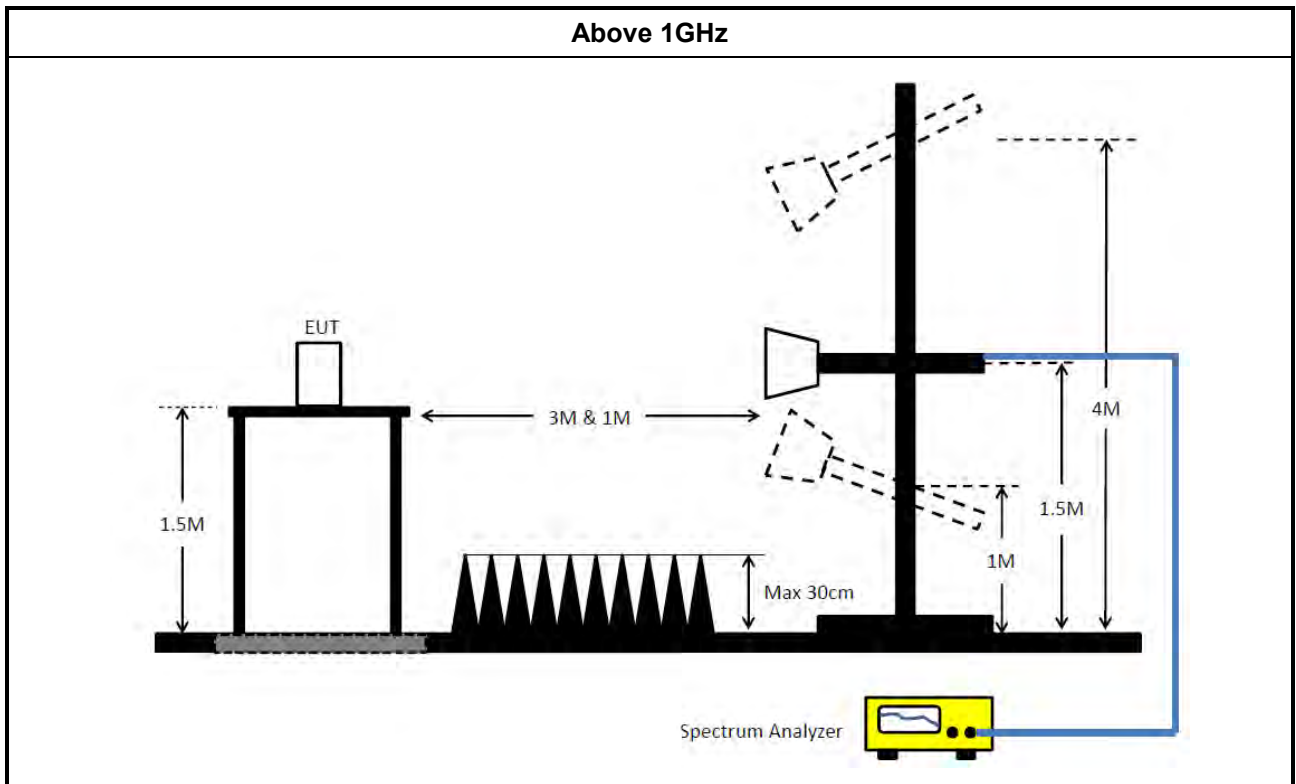
3.4.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.5 Test Setup





3.4.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

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/2022
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021

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	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
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	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamp	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBEC	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Preamp	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



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	16.402M	16M4D1D	18.81M	16.312M
802.11n HT20_Nss1,(MCS0)_2TX	21.45M	17.691M	17M7D1D	21.03M	17.631M
802.11n HT40_Nss1,(MCS0)_2TX	40.74M	36.282M	36M3D1D	40.08M	36.222M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.54M	17.721M	17M7D1D	20.7M	17.661M
802.11ac VHT40_Nss1,(MCS0)_2TX	40.14M	36.162M	36M2D1D	39.54M	35.862M
802.11ac VHT80_Nss1,(MCS0)_2TX	81.24M	75.802M	75M8D1D	81.12M	75.682M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.66M	18.981M	19MOD1D	21.18M	18.861M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.98M	37.961M	38MOD1D	40.5M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.001M	77MOD1D	81.12M	76.762M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.55M	16.492M	16M5D1D	15.166M	13.207M
802.11n HT20_Nss1,(MCS0)_2TX	21.66M	17.691M	17M7D1D	15.606M	13.798M
802.11n HT40_Nss1,(MCS0)_2TX	40.74M	36.342M	36M3D1D	35.37M	32.991M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.54M	17.631M	17M6D1D	15.276M	13.771M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.66M	35.982M	36M0D1D	35.201M	32.924M
802.11ac VHT80_Nss1,(MCS0)_2TX	82.2M	75.802M	75M8D1D	75.741M	72.239M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.63M	18.951M	19MOD1D	15.648M	14.444M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.52M	37.961M	38MOD1D	35.505M	33.801M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.241M	77M2D1D	75.741M	72.829M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.135M	3.628M	3M63D1D	3.135M	3.538M
802.11n HT20_Nss1,(MCS0)_2TX	3.87M	4.138M	4M14D1D	3.375M	4.123M
802.11n HT40_Nss1,(MCS0)_2TX	3.18M	3.688M	3M69D1D	3.165M	3.658M
802.11ac VHT20_Nss1,(MCS0)_2TX	3.48M	4.078M	4M08D1D	3.105M	4.033M
802.11ac VHT40_Nss1,(MCS0)_2TX	3.15M	3.718M	3M72D1D	3.12M	3.703M
802.11ac VHT80_Nss1,(MCS0)_2TX	3.15M	3.928M	3M93D1D	3.135M	3.898M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.53M	4.603M	4M60D1D	4.425M	4.573M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.035M	4.153M	4M15D1D	4.005M	4.138M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.11M	4.138M	4M14D1D	4.035M	4.138M

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	18.9M	16.402M	18.87M	16.402M
5300MHz	Pass	Inf	18.81M	16.402M	18.81M	16.312M
5320MHz	Pass	Inf	19.32M	16.312M	19.47M	16.312M
5500MHz	Pass	Inf	20.55M	16.372M	19.95M	16.402M
5580MHz	Pass	Inf	19.86M	16.432M	19.92M	16.432M
5700MHz	Pass	Inf	20.04M	16.432M	20.37M	16.492M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.276M	13.207M	15.166M	13.207M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.135M	3.538M	3.135M	3.628M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.27M	17.691M	21.45M	17.691M
5300MHz	Pass	Inf	21.03M	17.661M	21.33M	17.691M
5320MHz	Pass	Inf	21.21M	17.631M	21.03M	17.691M
5500MHz	Pass	Inf	21.66M	17.691M	21.39M	17.631M
5580MHz	Pass	Inf	21.06M	17.631M	21.12M	17.661M
5700MHz	Pass	Inf	21.03M	17.631M	21.24M	17.601M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.868M	13.839M	15.606M	13.798M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.87M	4.123M	3.375M	4.138M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.74M	36.222M	40.2M	36.282M
5310MHz	Pass	Inf	40.62M	36.222M	40.08M	36.282M
5510MHz	Pass	Inf	40.56M	36.282M	40.32M	36.342M
5550MHz	Pass	Inf	40.62M	36.282M	40.32M	36.162M
5670MHz	Pass	Inf	40.74M	36.222M	40.08M	36.282M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.539M	32.991M	35.37M	32.991M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	3.658M	3.18M	3.688M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.54M	17.721M	21.24M	17.721M
5300MHz	Pass	Inf	20.7M	17.661M	21M	17.661M
5320MHz	Pass	Inf	21.21M	17.661M	21.15M	17.691M
5500MHz	Pass	Inf	21.06M	17.631M	21.33M	17.631M
5580MHz	Pass	Inf	20.97M	17.631M	20.73M	17.631M
5700MHz	Pass	Inf	20.94M	17.571M	21.54M	17.631M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.331M	13.771M	15.276M	13.784M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.48M	4.078M	3.105M	4.033M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.14M	36.162M	39.72M	36.162M
5310MHz	Pass	Inf	39.84M	35.922M	39.54M	35.862M
5510MHz	Pass	Inf	39.66M	35.982M	39.6M	35.862M
5550MHz	Pass	Inf	39.24M	35.922M	39.06M	35.802M
5670MHz	Pass	Inf	39.36M	35.802M	39.24M	35.742M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.201M	32.924M	35.269M	32.991M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.703M	3.15M	3.718M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	81.12M	75.682M	81.24M	75.802M
5530MHz	Pass	Inf	82.2M	75.562M	81.6M	75.802M
5610MHz	Pass	Inf	81.24M	75.682M	81M	75.442M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.889M	72.239M	75.741M	72.313M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.15M	3.898M	3.135M	3.928M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	21.57M	18.861M	21.18M	18.861M
5300MHz	Pass	Inf	21.21M	18.951M	21.45M	18.861M
5320MHz	Pass	Inf	21.66M	18.981M	21.45M	18.951M
5500MHz	Pass	Inf	21.12M	18.921M	21.63M	18.891M
5580MHz	Pass	Inf	21.48M	18.951M	21.15M	18.951M

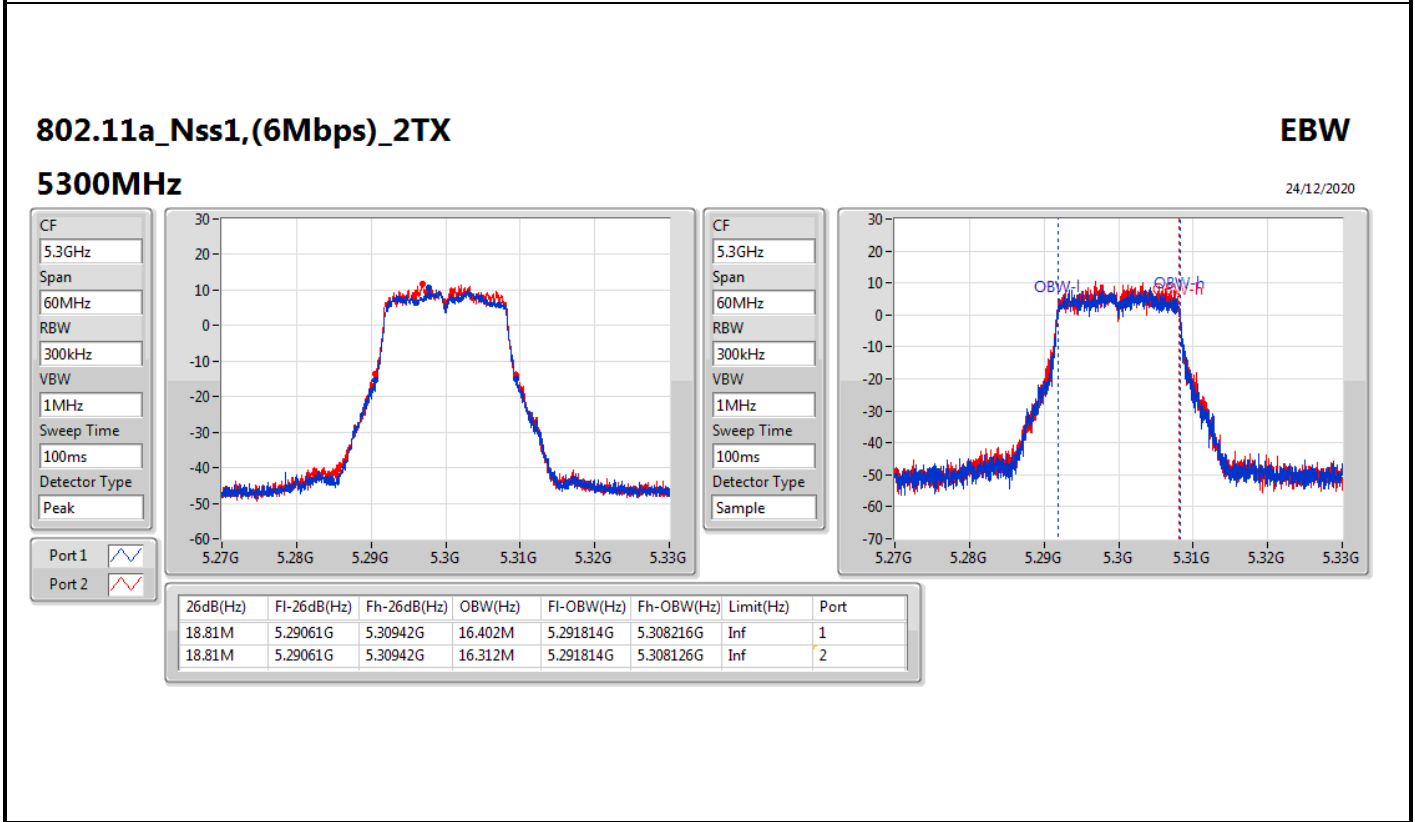
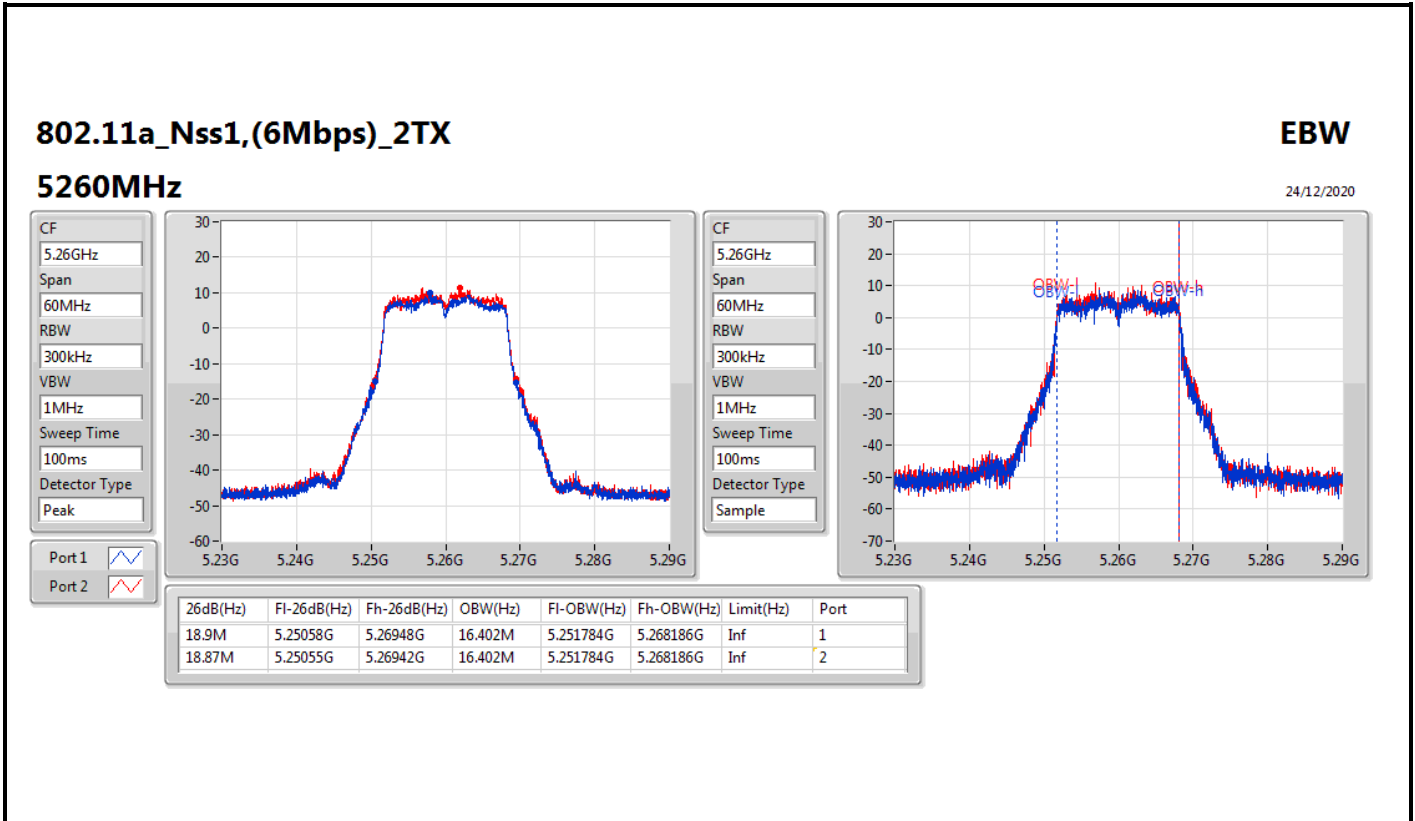


EBW_Non-Beamforming_Radio 1

Appendix A.1

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5700MHz	Pass	Inf	21.63M	18.891M	20.97M	18.861M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.648M	14.444M	15.661M	14.485M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.53M	4.573M	4.425M	4.603M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	40.62M	37.961M	40.98M	37.961M
5310MHz	Pass	Inf	40.98M	37.841M	40.5M	37.781M
5510MHz	Pass	Inf	41.16M	37.961M	41.52M	37.841M
5550MHz	Pass	Inf	41.4M	37.901M	40.86M	37.841M
5670MHz	Pass	Inf	40.62M	37.901M	40.62M	37.721M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.539M	33.834M	35.505M	33.801M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.035M	4.153M	4.005M	4.138M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	77.001M	81.12M	76.762M
5530MHz	Pass	Inf	81.96M	76.642M	81.6M	77.121M
5610MHz	Pass	Inf	82.44M	77.241M	82.08M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.258M	72.829M	75.741M	72.902M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.11M	4.138M	4.035M	4.138M

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

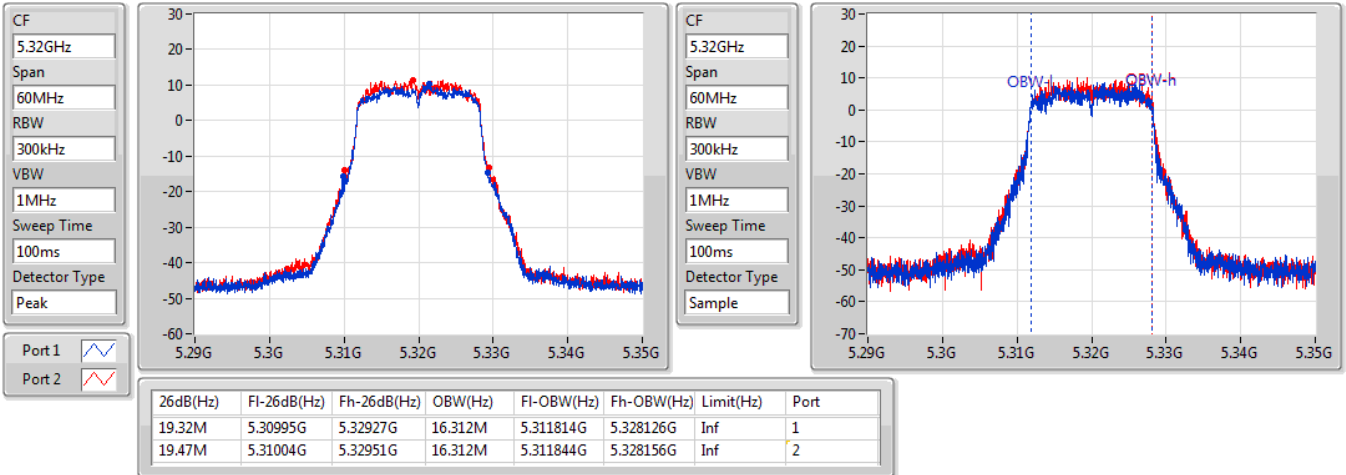


802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

24/12/2020

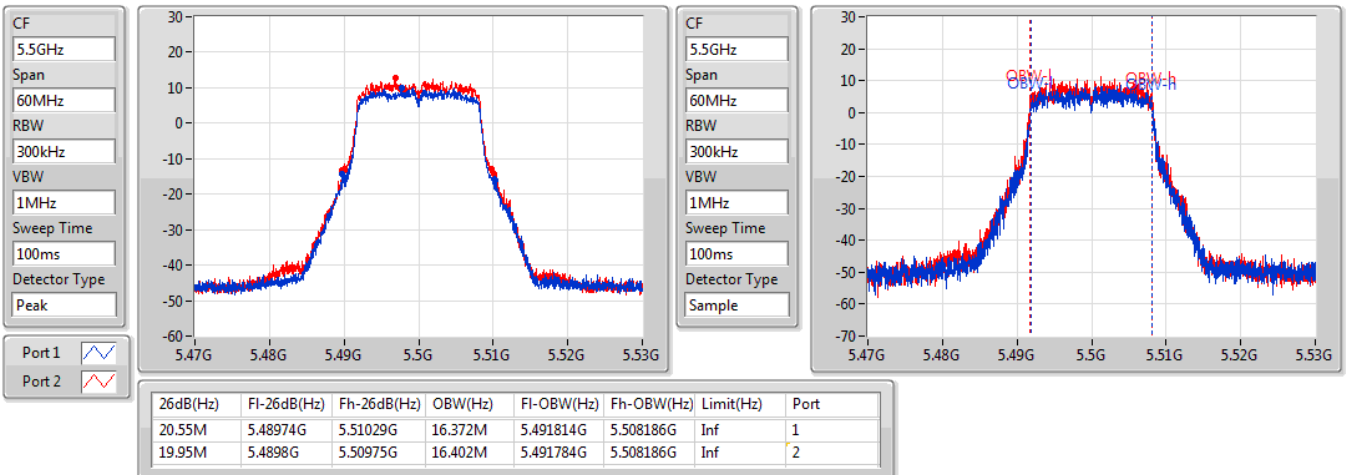


802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

24/12/2020



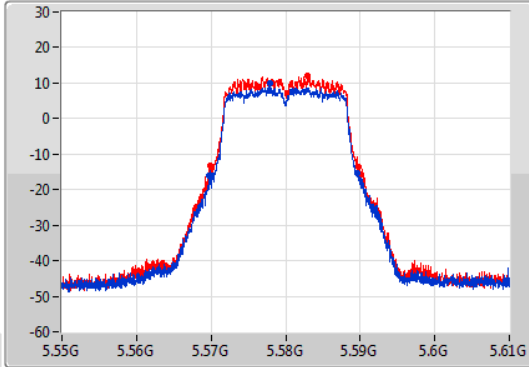
802.11a_Nss1,(6Mbps)_2TX

EBW

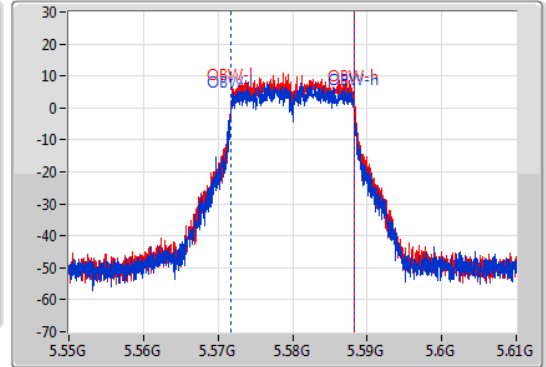
5580MHz

24/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.86M	5.56974G	5.5896G	16.432M	5.571784G	5.588216G	Inf	1
19.92M	5.56992G	5.58984G	16.432M	5.571784G	5.588216G	Inf	2

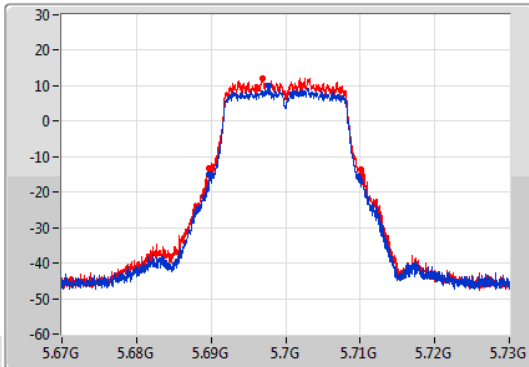
802.11a_Nss1,(6Mbps)_2TX

EBW

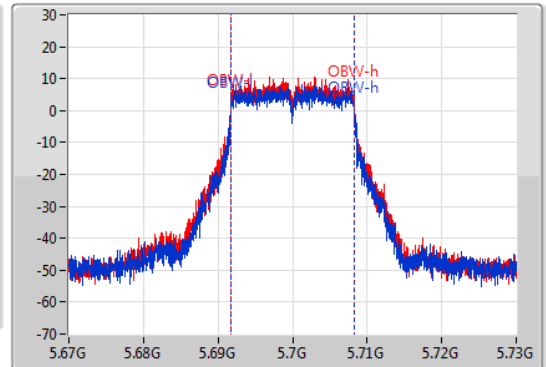
5700MHz

24/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.04M	5.68974G	5.70978G	16.432M	5.691784G	5.708216G	Inf	1
20.37M	5.6898G	5.71017G	16.492M	5.691754G	5.708246G	Inf	2

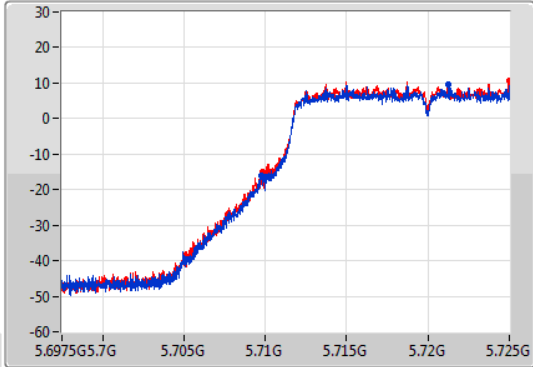
802.11a_Nss1,(6Mbps)_2TX

EBW

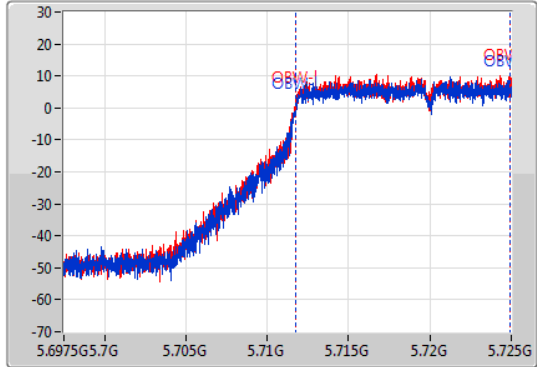
5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71125GHz
Span
27.5MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71125GHz
Span
27.5MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.276M	5.709724G	5.725G	13.207M	5.711731G	5.724938G	Inf	1
15.166M	5.709834G	5.725G	13.207M	5.711731G	5.724938G	Inf	2

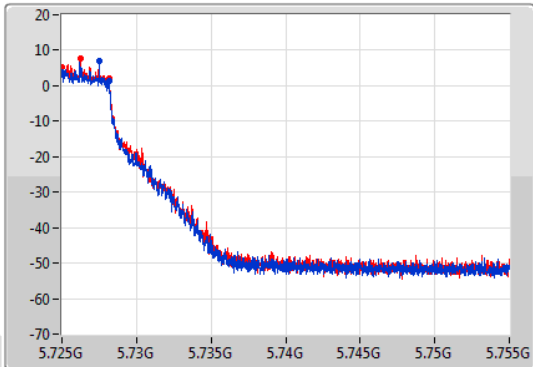
802.11a_Nss1,(6Mbps)_2TX

EBW

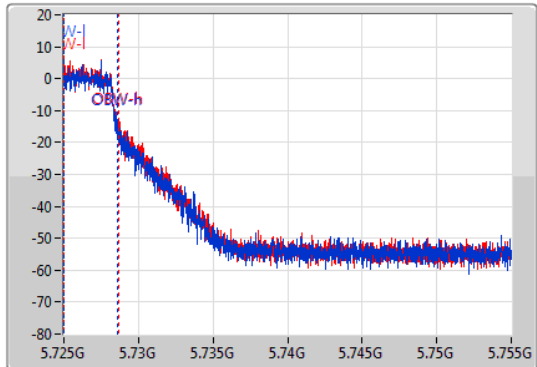
5720MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.135M	5.725G	5.728135G	3.538M	5.725022G	5.728561G	500k	1
3.135M	5.725G	5.728135G	3.628M	5.725007G	5.728636G	500k	2

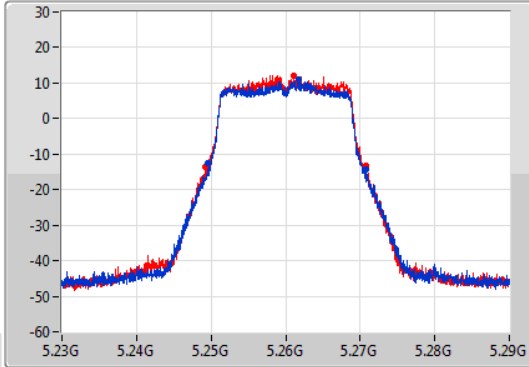
802.11n HT20_Nss1,(MCS0)_2TX

EBW

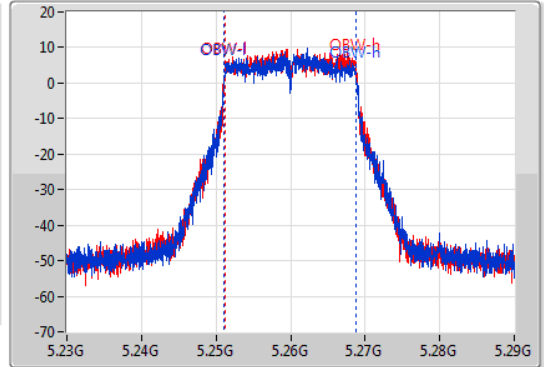
5260MHz

24/12/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.24953G	5.2708G	17.691M	5.251124G	5.268816G	Inf	1
21.45M	5.24929G	5.27074G	17.691M	5.251154G	5.268846G	Inf	2

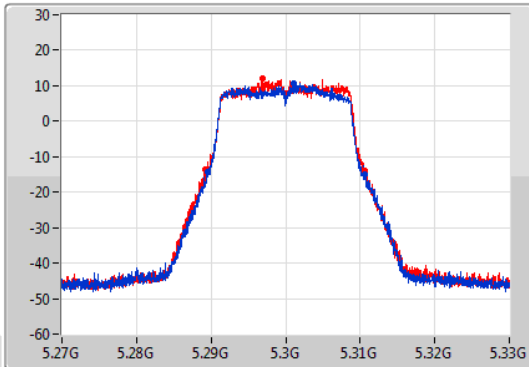
802.11n HT20_Nss1,(MCS0)_2TX

EBW

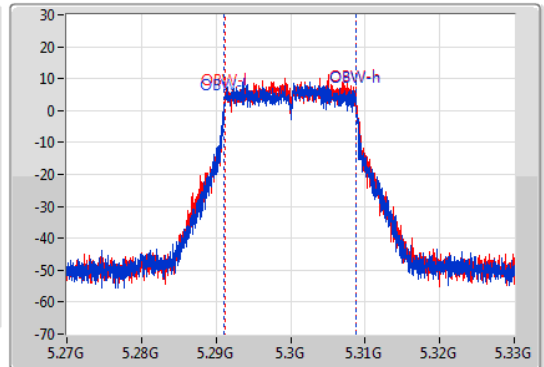
5300MHz

24/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.03M	5.28956G	5.31059G	17.661M	5.291124G	5.308786G	Inf	1
21.33M	5.28926G	5.31059G	17.691M	5.291154G	5.308846G	Inf	2

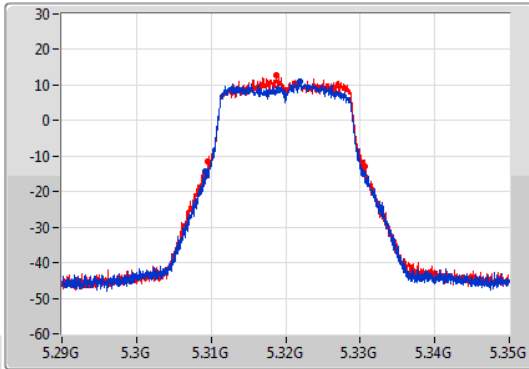
802.11n HT20_Nss1,(MCS0)_2TX

EBW

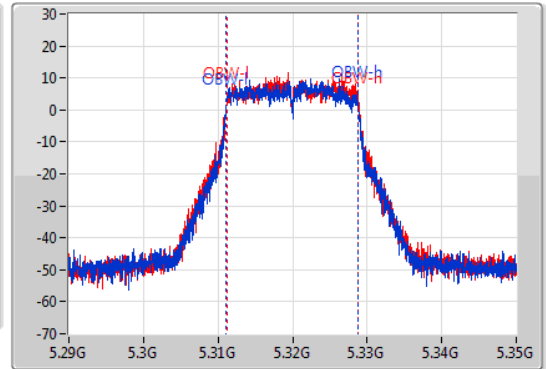
5320MHz

24/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30929G	5.3305G	17.631M	5.311124G	5.328756G	Inf	1
21.03M	5.30959G	5.33062G	17.691M	5.311154G	5.328846G	Inf	2

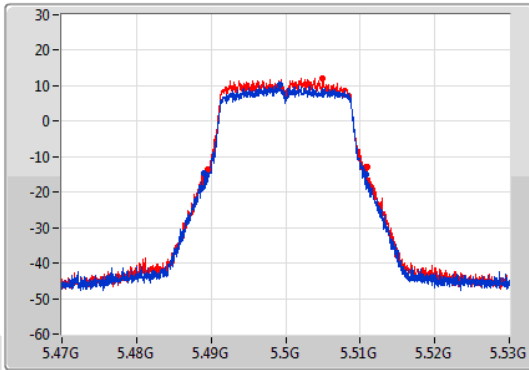
802.11n HT20_Nss1,(MCS0)_2TX

EBW

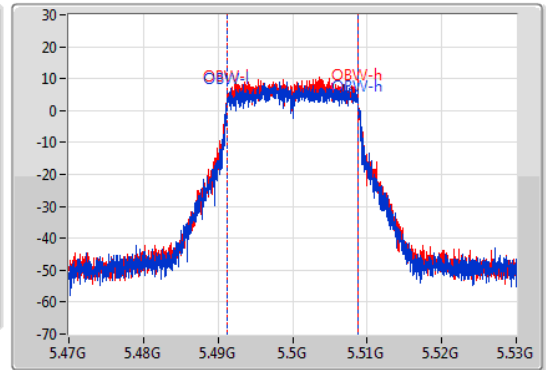
5500MHz

24/12/2020

CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.48911G	5.51077G	17.691M	5.491154G	5.508846G	Inf	1
21.39M	5.4895G	5.51089G	17.631M	5.491154G	5.508786G	Inf	2

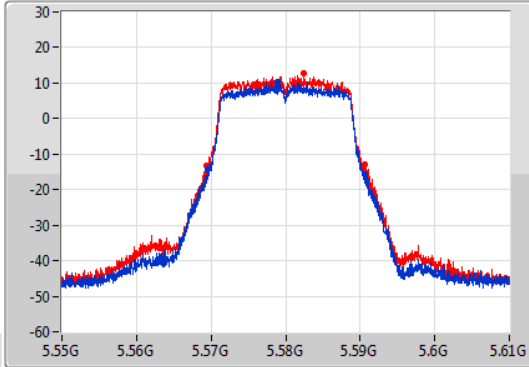
802.11n HT20_Nss1,(MCS0)_2TX

EBW

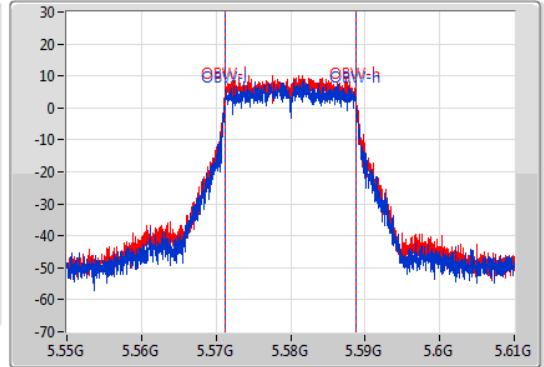
5580MHz

24/12/2020

CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.06M	5.56956G	5.59062G	17.631M	5.571184G	5.588816G	Inf	1
21.12M	5.56944G	5.59056G	17.661M	5.571154G	5.588816G	Inf	2

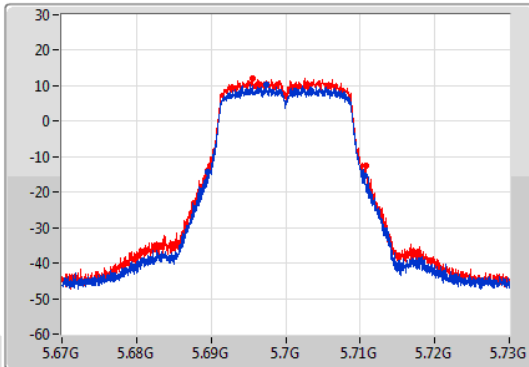
802.11n HT20_Nss1,(MCS0)_2TX

EBW

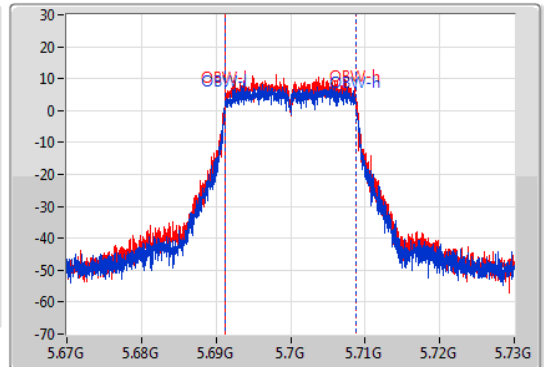
5700MHz

24/12/2020

CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.03M	5.6895G	5.71053G	17.631M	5.691184G	5.708816G	Inf	1
21.24M	5.68956G	5.7108G	17.601M	5.691184G	5.708786G	Inf	2

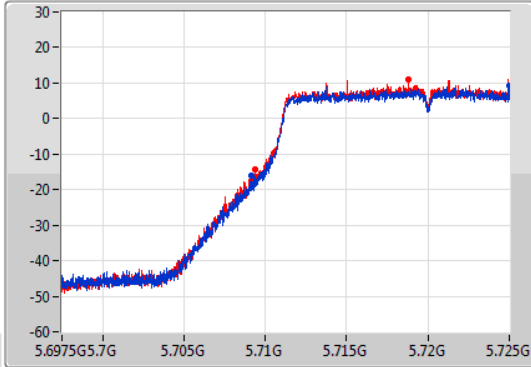
802.11n HT20_Nss1,(MCS0)_2TX

EBW

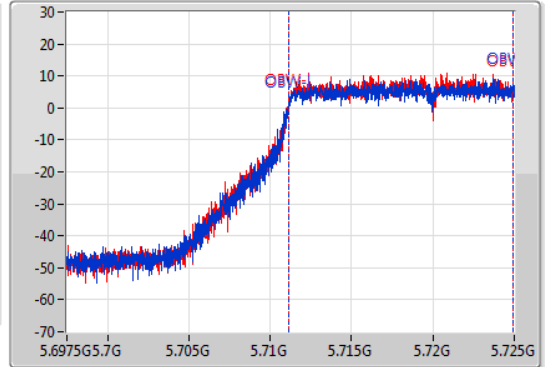
5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71125GHz
Span
27.5MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71125GHz
Span
27.5MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.868M	5.709133G	5.725G	13.839M	5.711099G	5.724938G	Inf	1
15.606M	5.709394G	5.725G	13.798M	5.711126G	5.724924G	Inf	2

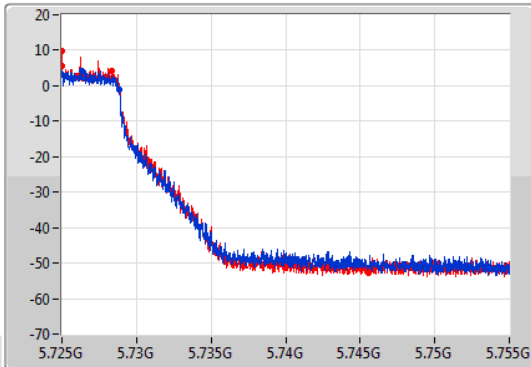
802.11n HT20_Nss1,(MCS0)_2TX

EBW

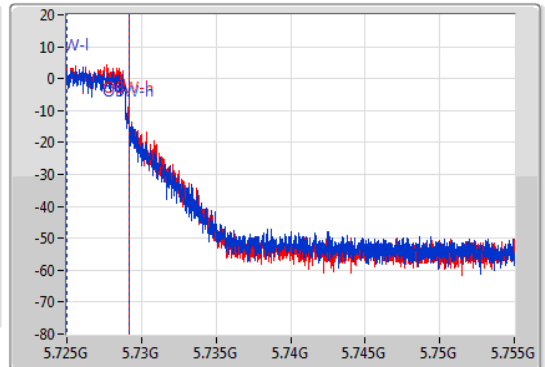
5720MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



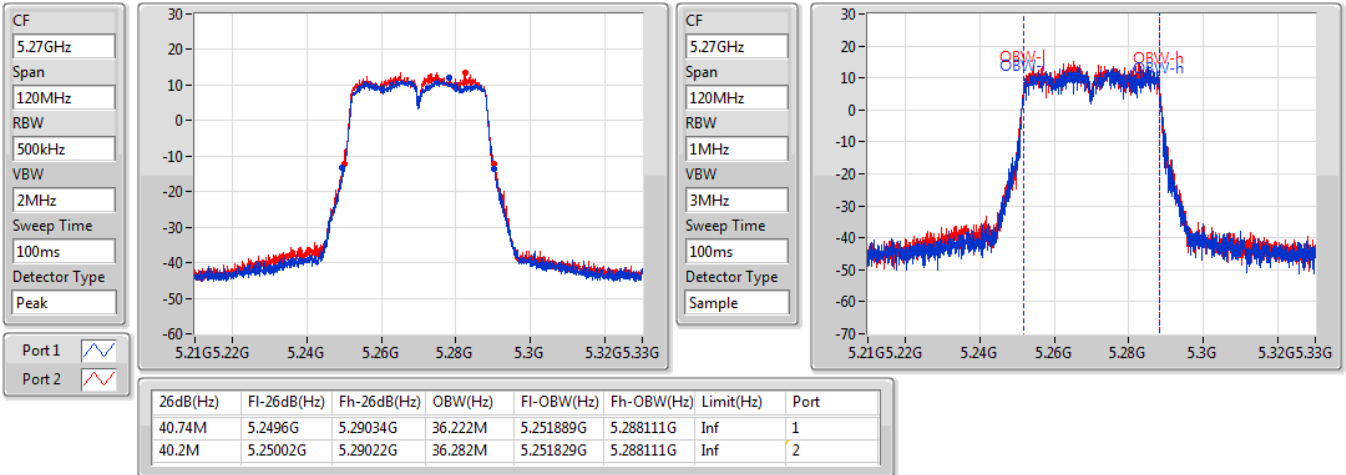
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.87M	5.725G	5.72887G	4.123M	5.725022G	5.729145G	500k	1
3.375M	5.725G	5.728375G	4.138M	5.725007G	5.729145G	500k	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

24/12/2020

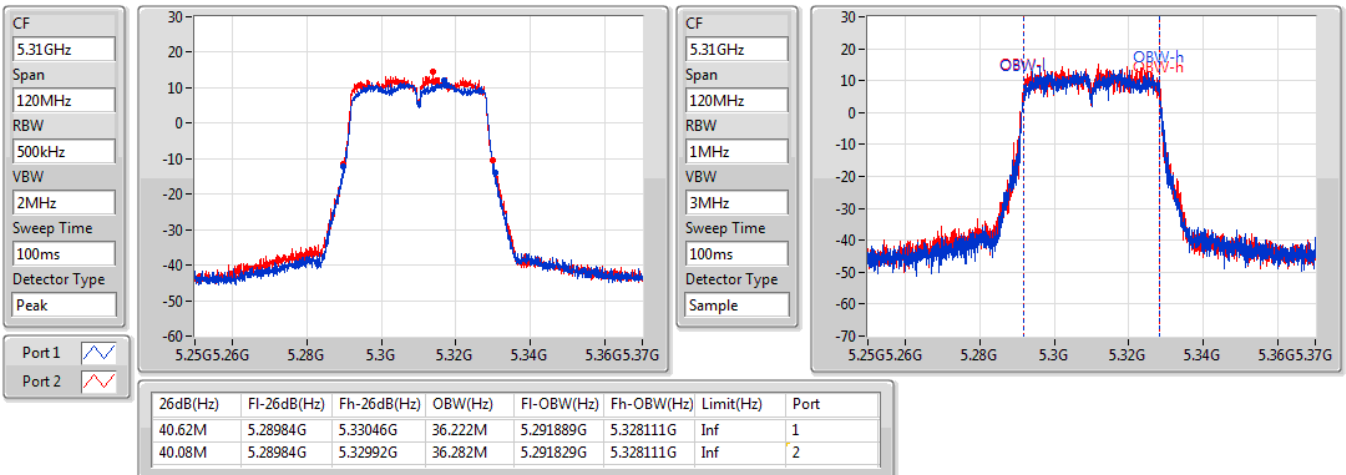


802.11n HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

24/12/2020



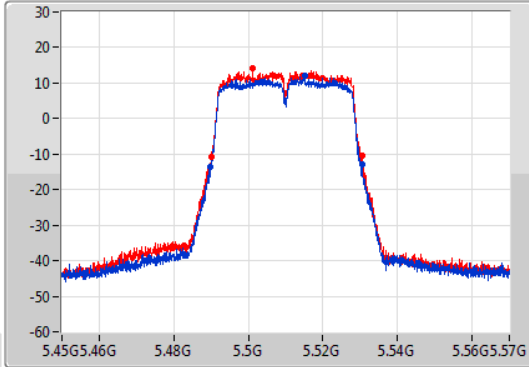
802.11n HT40_Nss1,(MCS0)_2TX

EBW

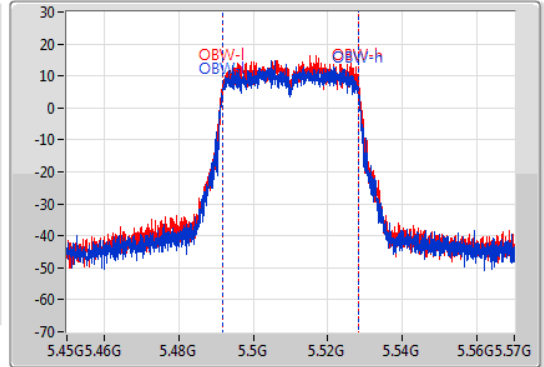
5510MHz

24/12/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	5.48984G	5.5304G	36.282M	5.491829G	5.528111G	Inf	1
40.32M	5.49008G	5.5304G	36.342M	5.491829G	5.528171G	Inf	2

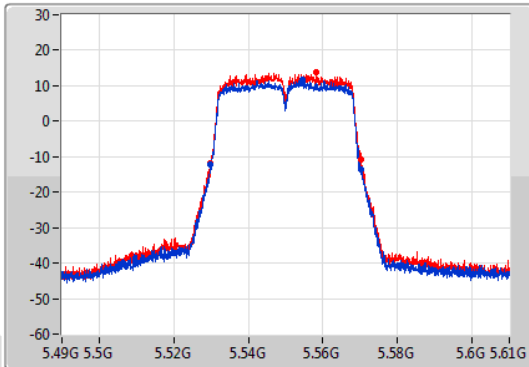
802.11n HT40_Nss1,(MCS0)_2TX

EBW

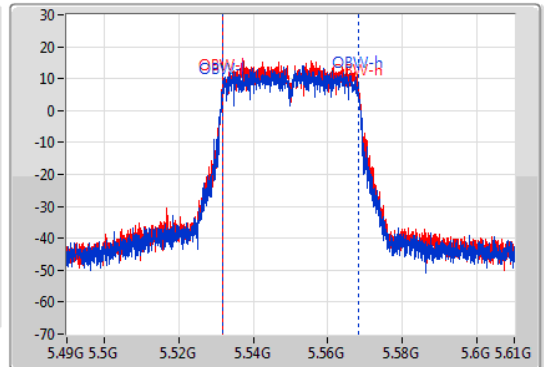
5550MHz

24/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.52972G	5.57034G	36.282M	5.531829G	5.568111G	Inf	1
40.32M	5.5299G	5.57022G	36.162M	5.531949G	5.568111G	Inf	2

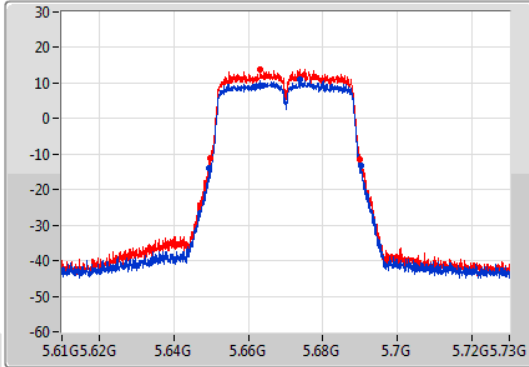
802.11n HT40_Nss1,(MCS0)_2TX

EBW

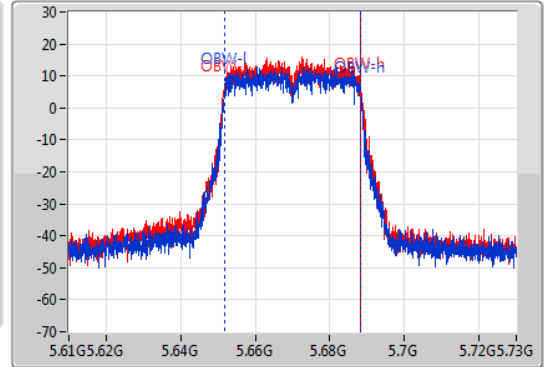
5670MHz

24/12/2020

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



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.6496G	5.69034G	36.222M	5.651889G	5.688111G	Inf	1
40.08M	5.6499G	5.68998G	36.282M	5.651829G	5.688111G	Inf	2

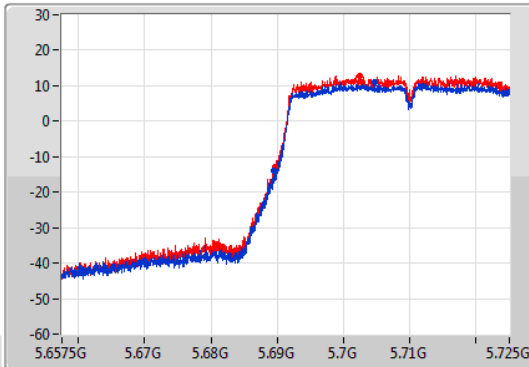
802.11n HT40_Nss1,(MCS0)_2TX

EBW

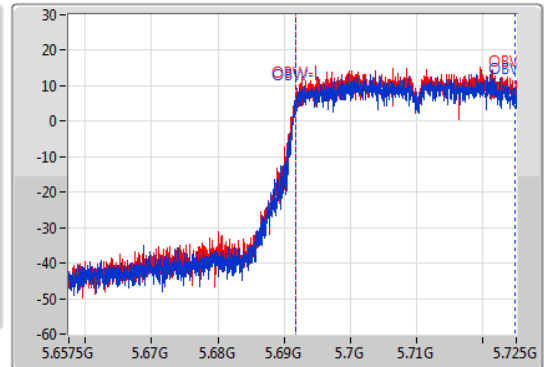
5710MHz Straddle 5.47-5.725GHz

24/12/2020

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



CF
5.69125GHz
Span
67.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



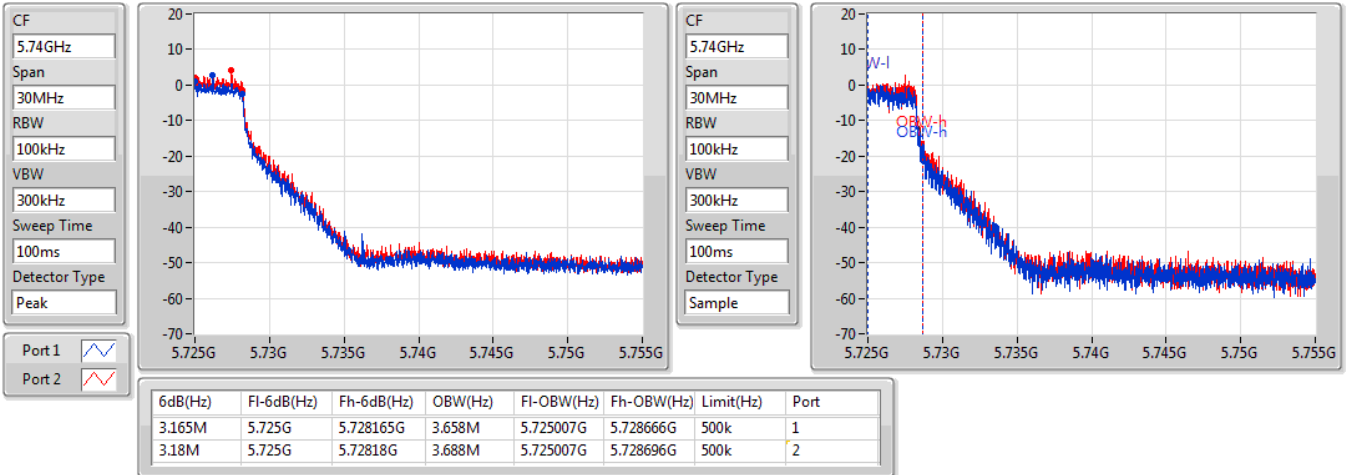
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.539M	5.689461G	5.725G	32.991M	5.691756G	5.724747G	Inf	1
35.37M	5.68963G	5.725G	32.991M	5.69179G	5.724781G	Inf	2

802.11n HT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

24/12/2020

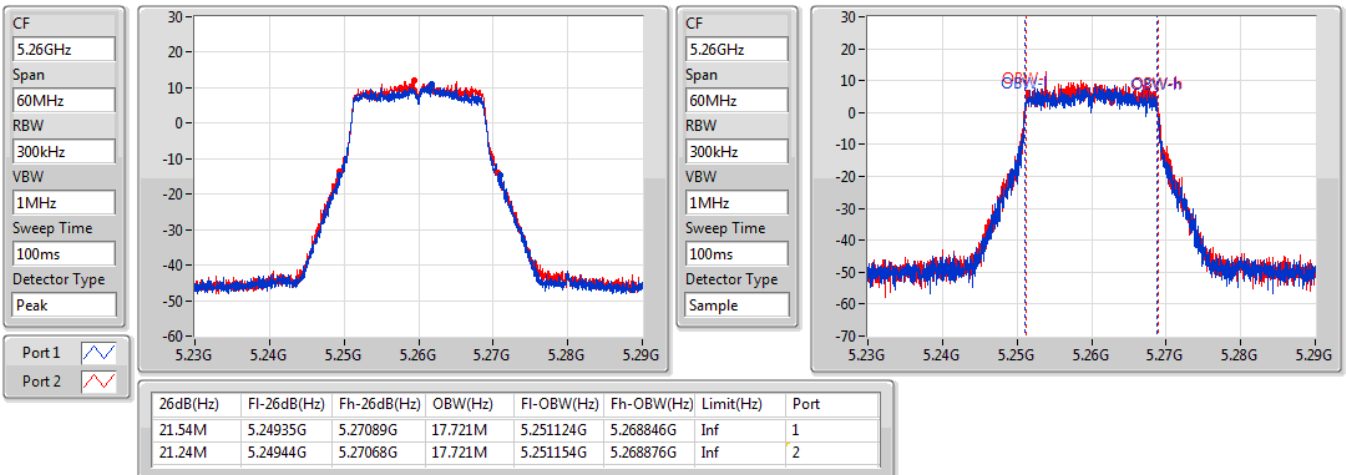


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

24/12/2020



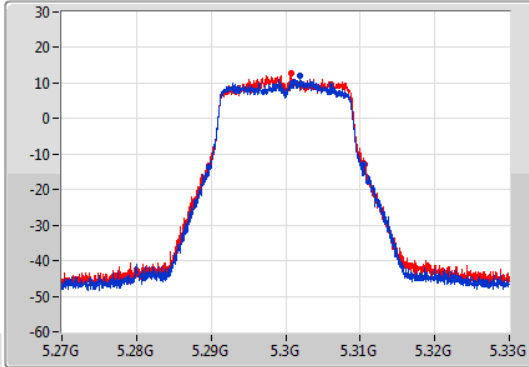
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

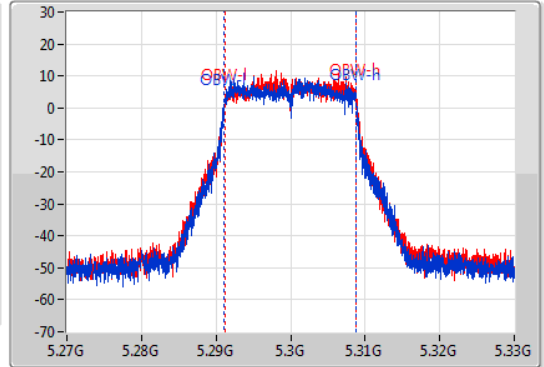
5300MHz

24/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.28971G	5.31041G	17.661M	5.291124G	5.308786G	Inf	1
21M	5.28968G	5.31068G	17.661M	5.291184G	5.308846G	Inf	2

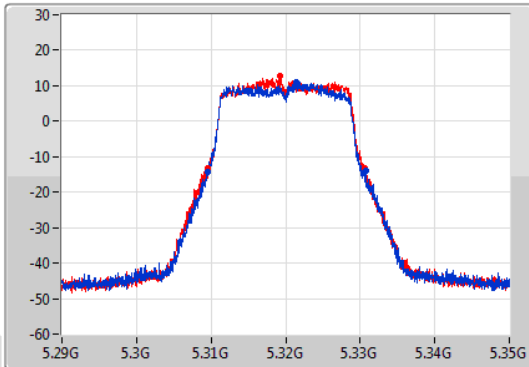
802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

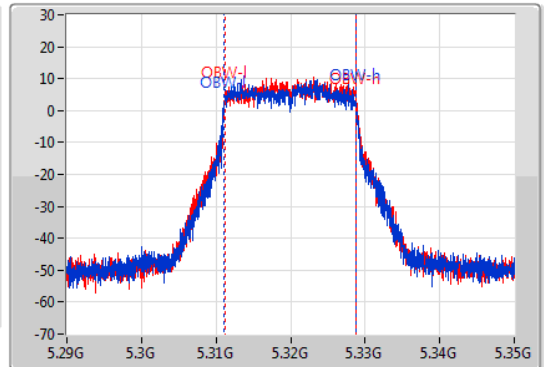
5320MHz

24/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



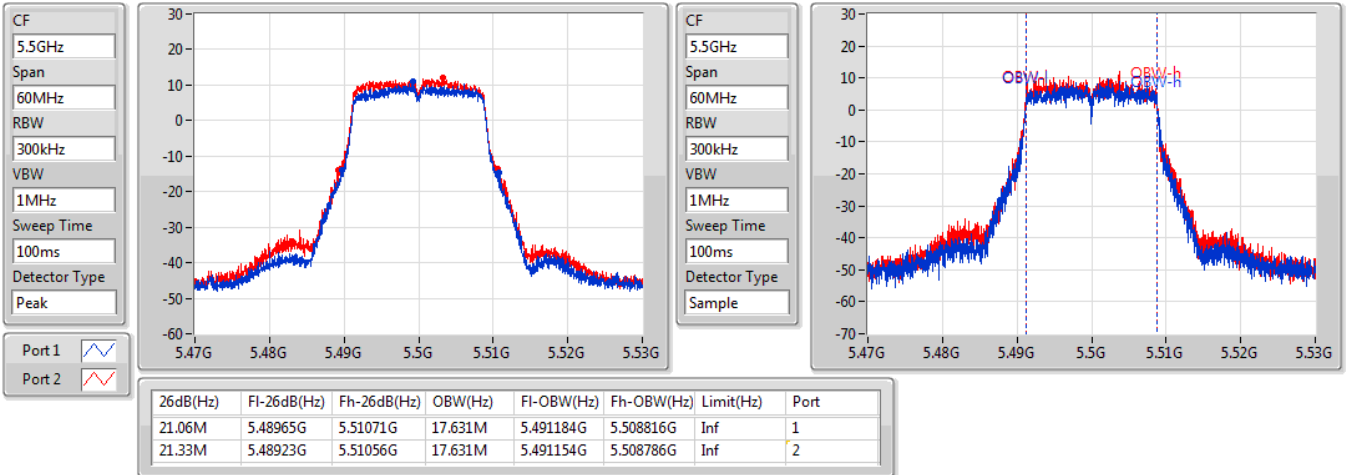
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.3095G	5.33071G	17.661M	5.311124G	5.328786G	Inf	1
21.15M	5.3095G	5.33065G	17.691M	5.311154G	5.328846G	Inf	2

802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

24/12/2020

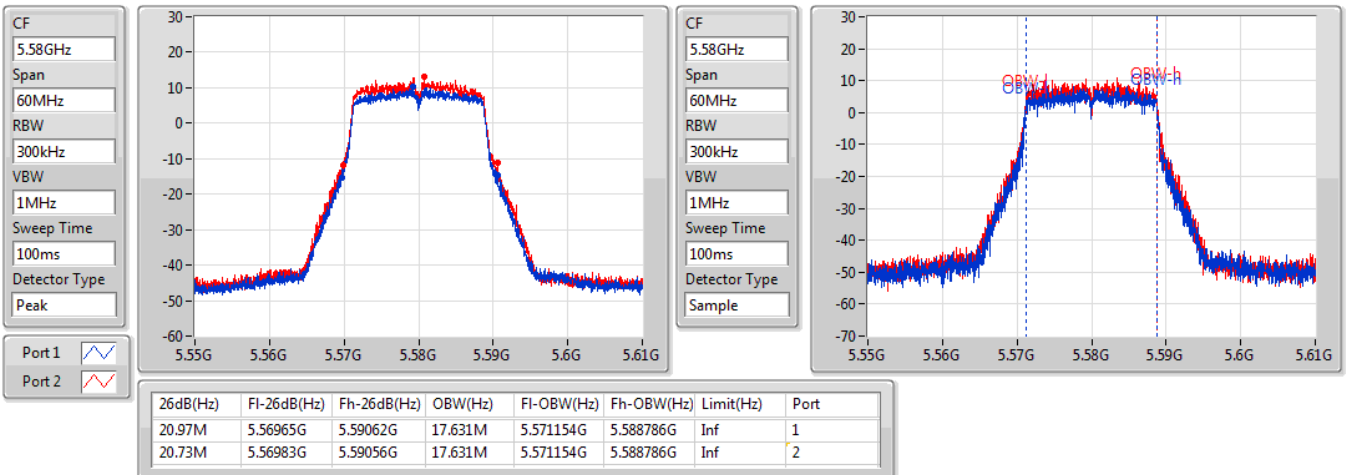


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

24/12/2020

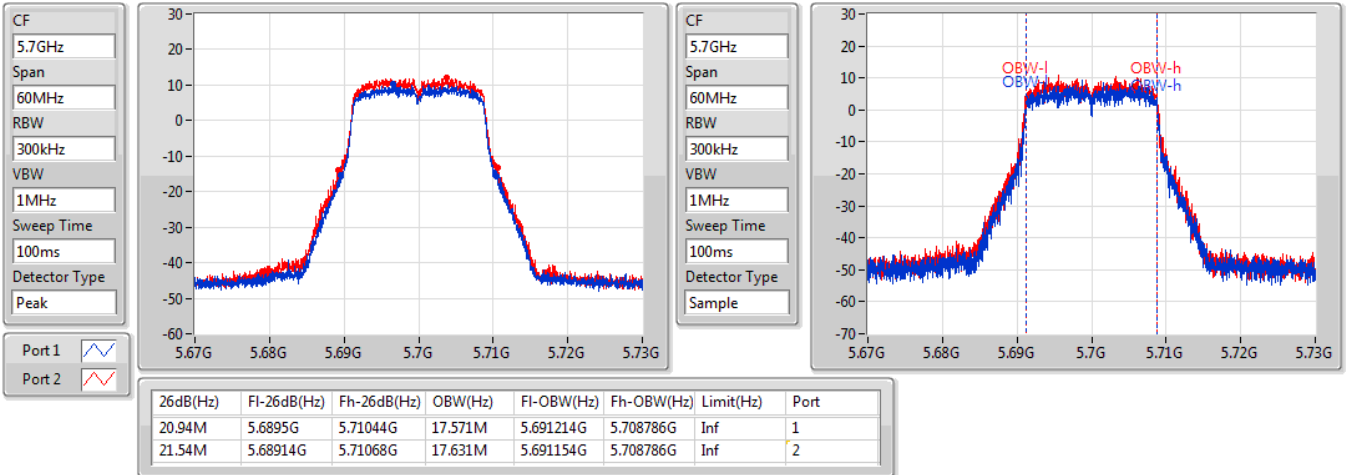


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

24/12/2020

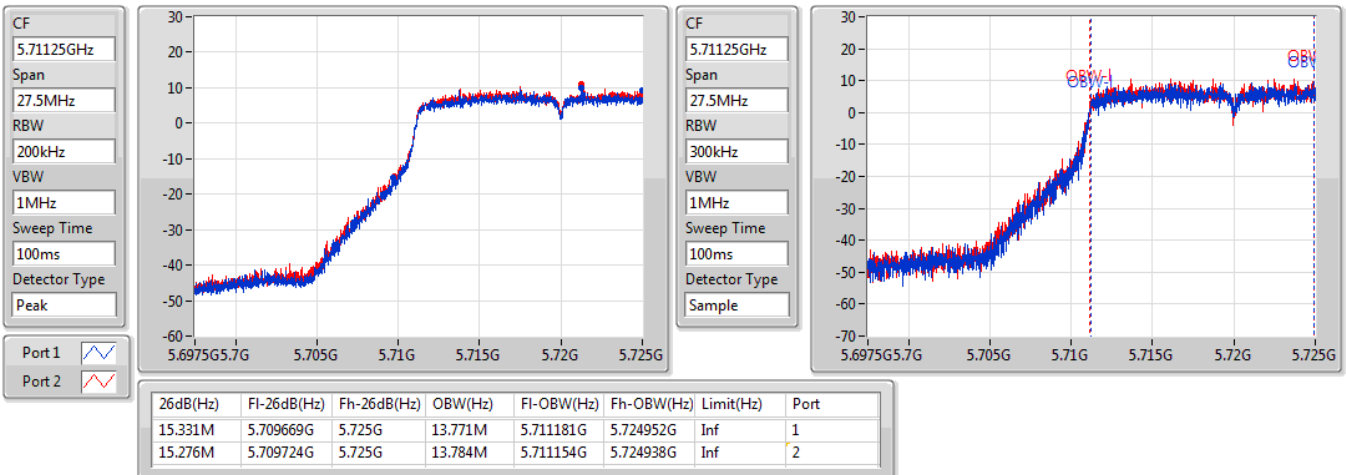


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/12/2020

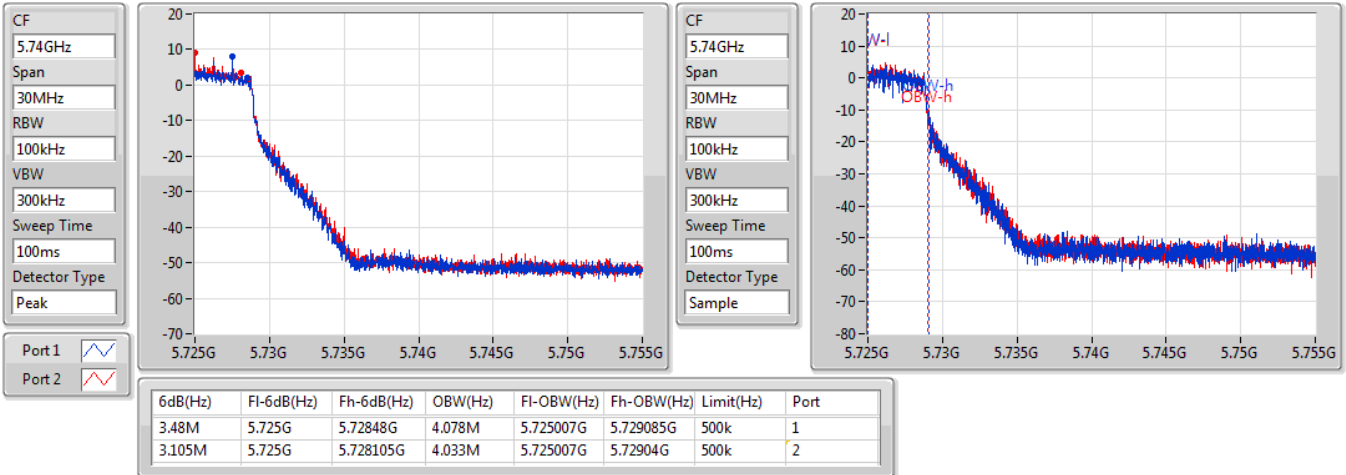


802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/12/2020

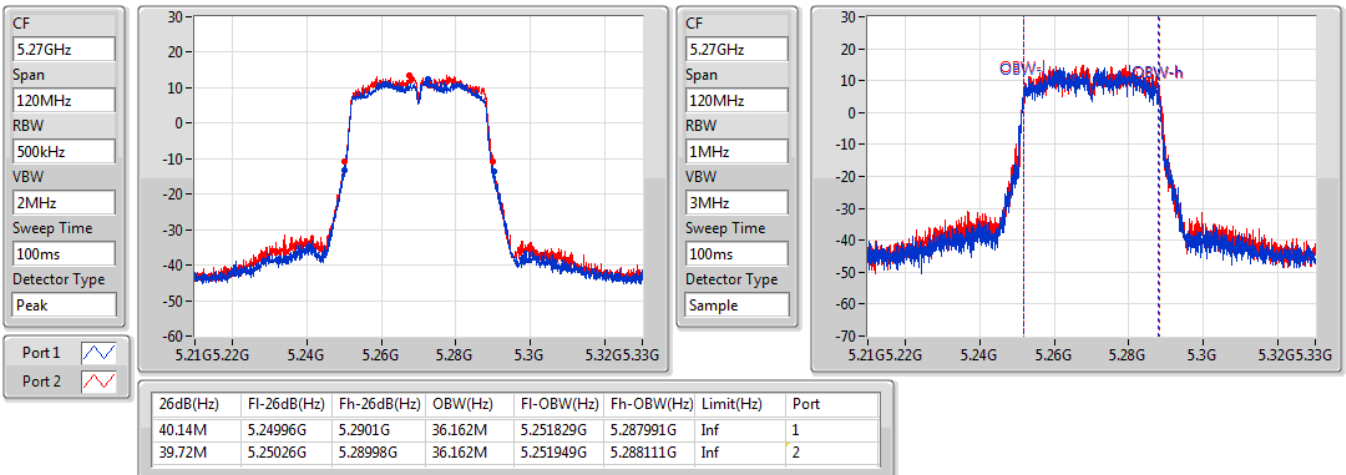


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

24/12/2020



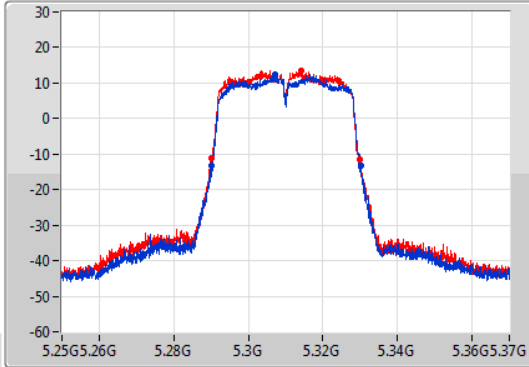
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

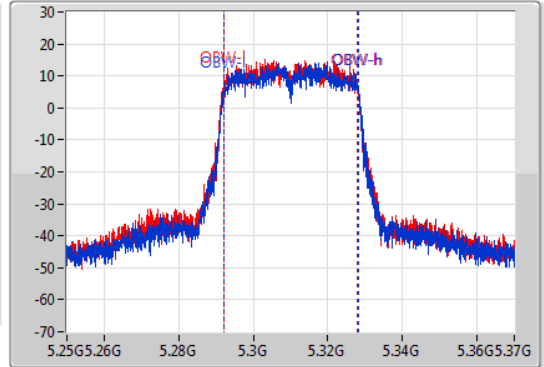
5310MHz

24/12/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.84M	5.29026G	5.3301G	35.922M	5.292189G	5.328111G	Inf	1
39.54M	5.2902G	5.32974G	35.862M	5.292009G	5.327871G	Inf	2

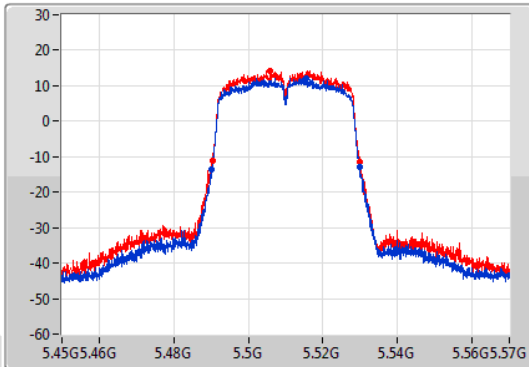
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

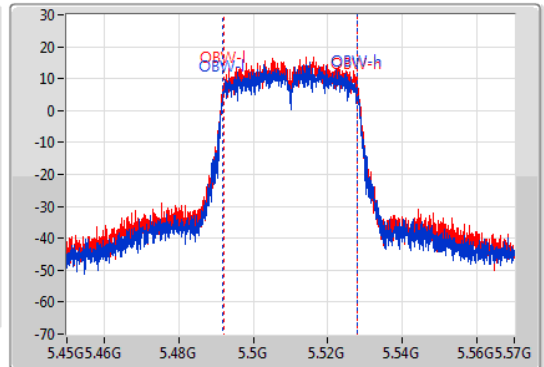
5510MHz

24/12/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.66M	5.49008G	5.52974G	35.982M	5.491949G	5.527931G	Inf	1
39.6M	5.49038G	5.52998G	35.862M	5.492069G	5.527931G	Inf	2

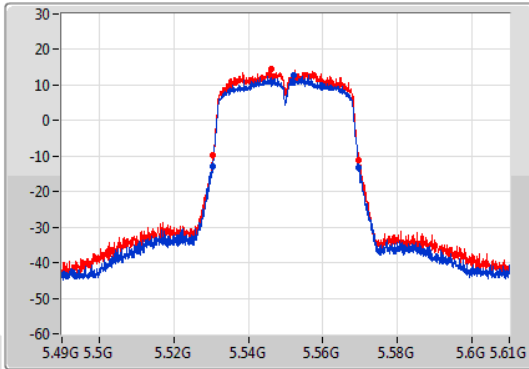
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

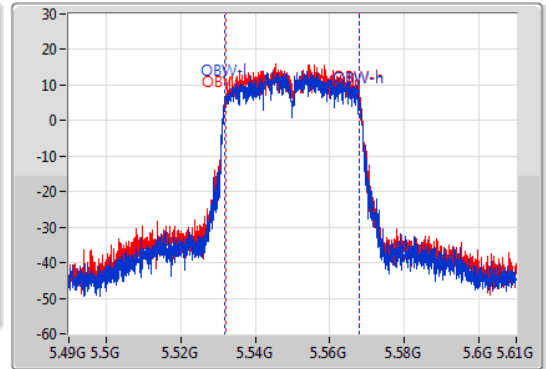
5550MHz

24/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.24M	5.53038G	5.56962G	35.922M	5.531949G	5.567871G	Inf	1
39.06M	5.5305G	5.56956G	35.802M	5.532069G	5.567871G	Inf	2

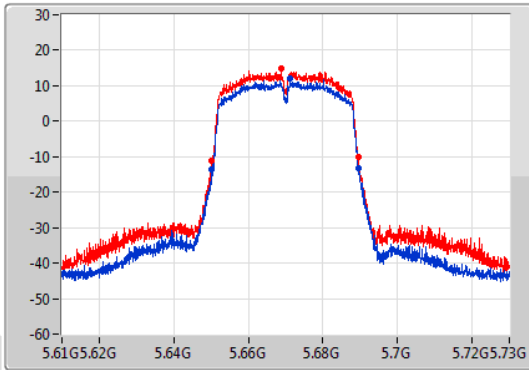
802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

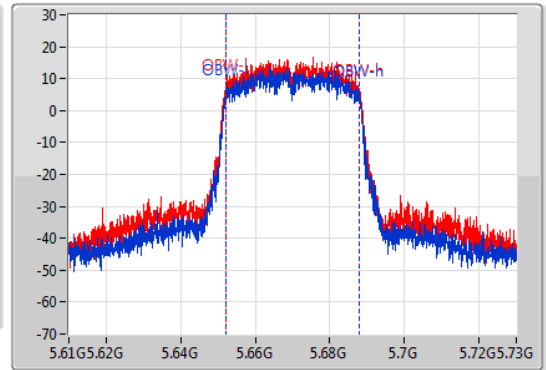
5670MHz

24/12/2020

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



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



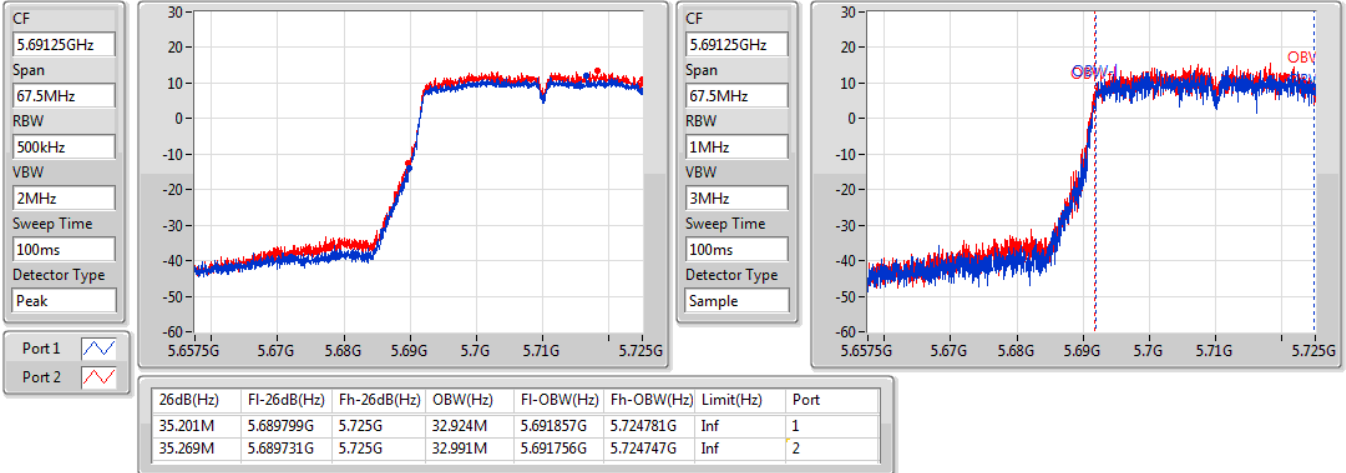
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.36M	5.6502G	5.68956G	35.802M	5.652069G	5.687871G	Inf	1
39.24M	5.65026G	5.6895G	35.742M	5.652069G	5.687811G	Inf	2

802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

24/12/2020

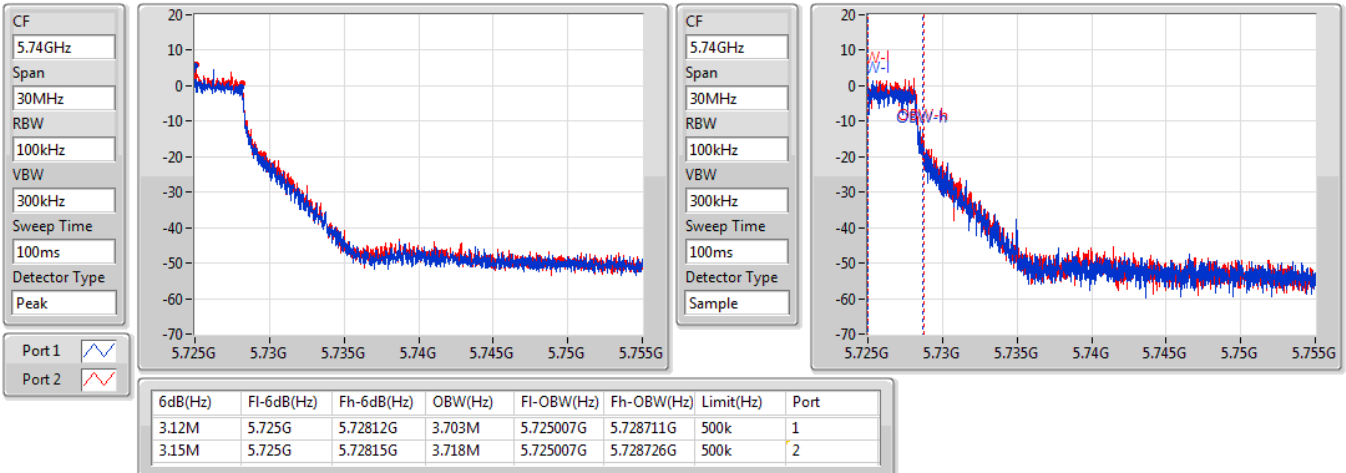


802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

24/12/2020



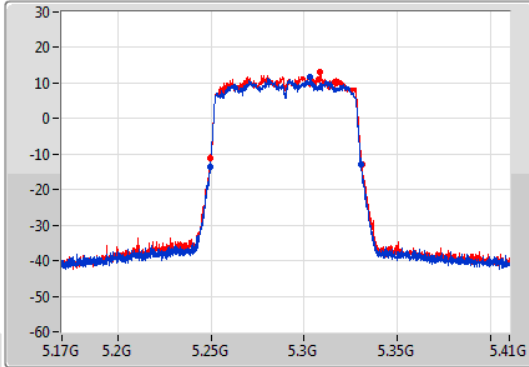
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

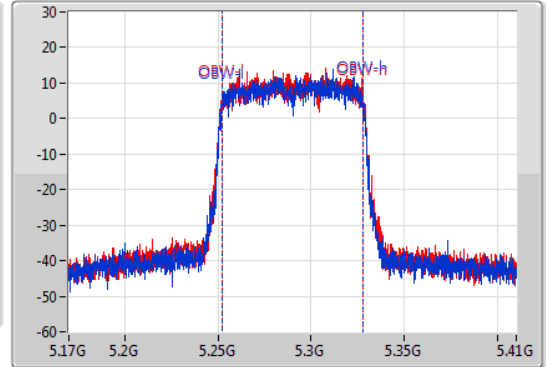
5290MHz

24/12/2020

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.12M	5.24944G	5.33056G	75.682M	5.252099G	5.327781G	Inf	1
81.24M	5.24956G	5.3308G	75.802M	5.252099G	5.327901G	Inf	2

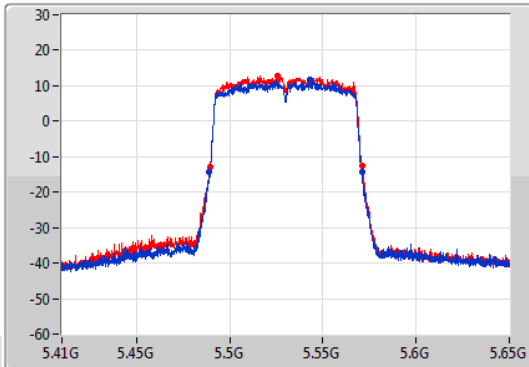
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

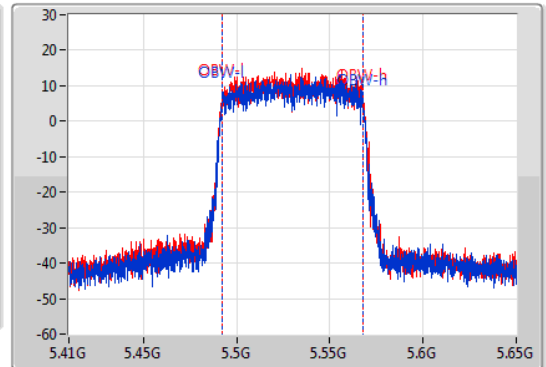
5530MHz

24/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.48908G	5.57128G	75.562M	5.492219G	5.567781G	Inf	1
81.6M	5.48944G	5.57104G	75.802M	5.492099G	5.567901G	Inf	2

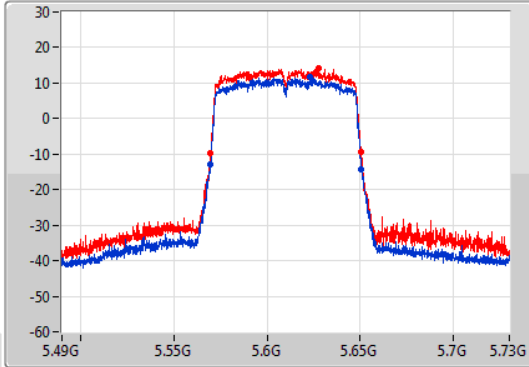
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

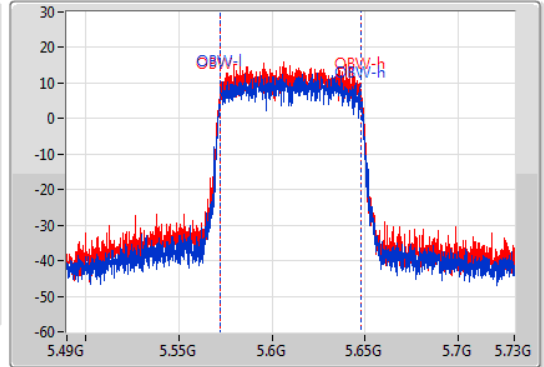
5610MHz

24/12/2020

CF
5.61GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.56944G	5.65068G	75.682M	5.572219G	5.647901G	Inf	1
81M	5.56968G	5.65068G	75.442M	5.572219G	5.647661G	Inf	2

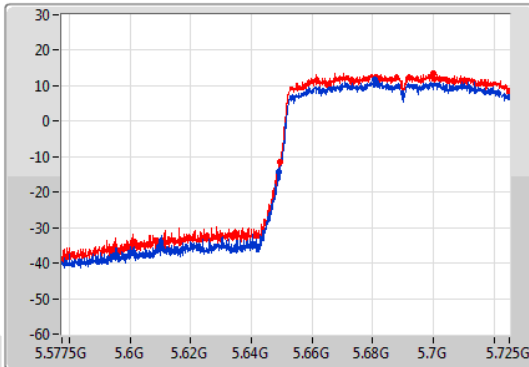
802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

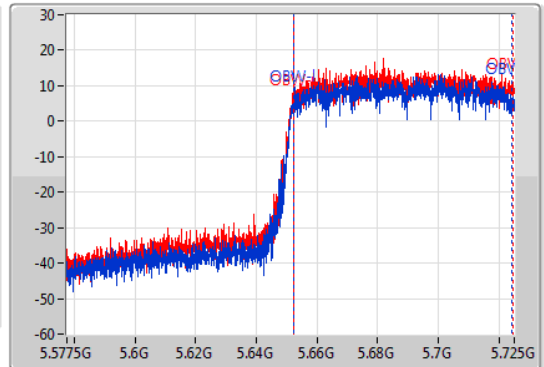
5690MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.65125GHz
Span
147.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65125GHz
Span
147.5MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



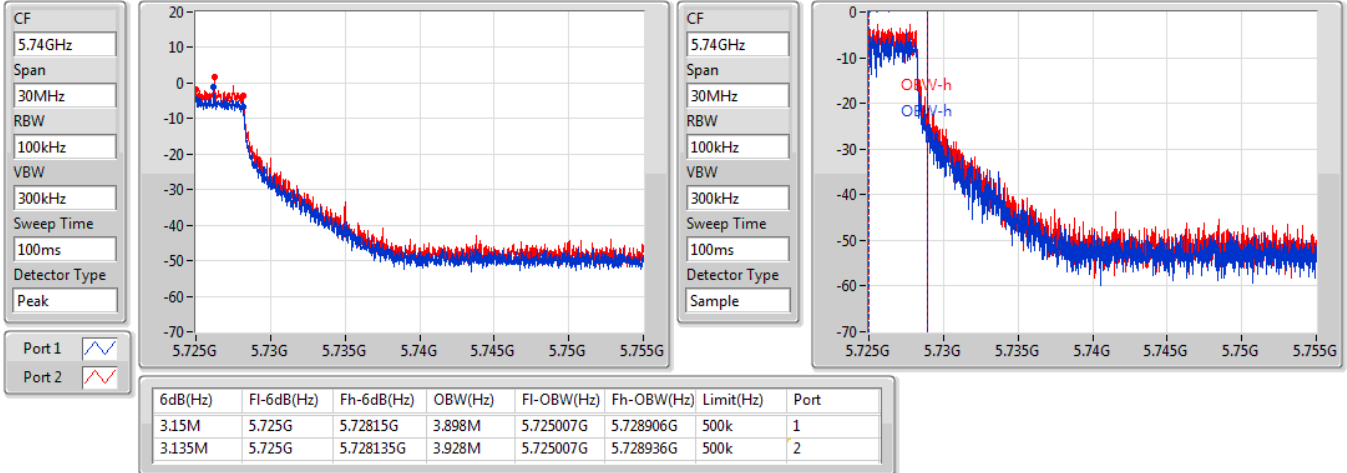
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.889M	5.649111G	5.725G	72.239M	5.652135G	5.724373G	Inf	1
75.741M	5.649259G	5.725G	72.313M	5.652135G	5.724447G	Inf	2

802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

24/12/2020

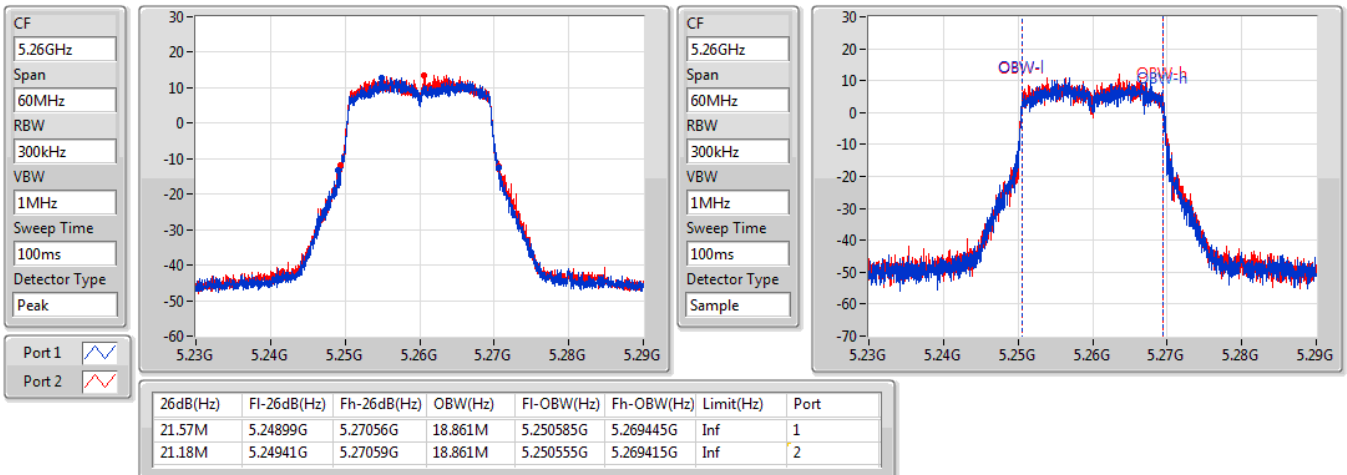


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

24/12/2020



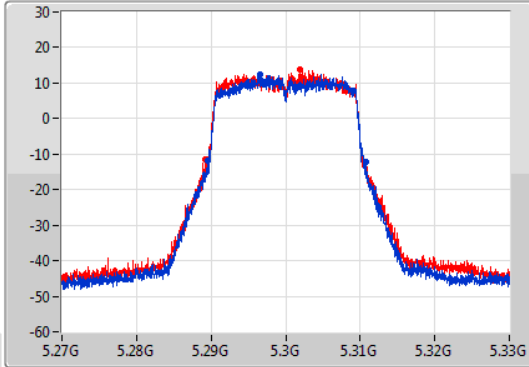
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

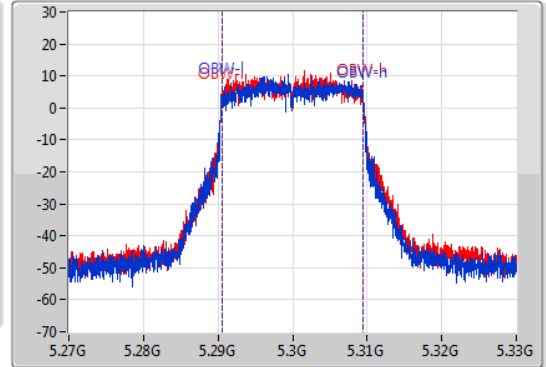
5300MHz

24/12/2020

CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.28959G	5.3108G	18.951M	5.290525G	5.309475G	Inf	1
21.45M	5.28929G	5.31074G	18.861M	5.290555G	5.309415G	Inf	2

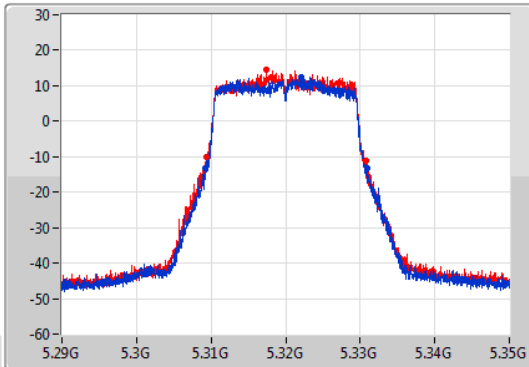
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

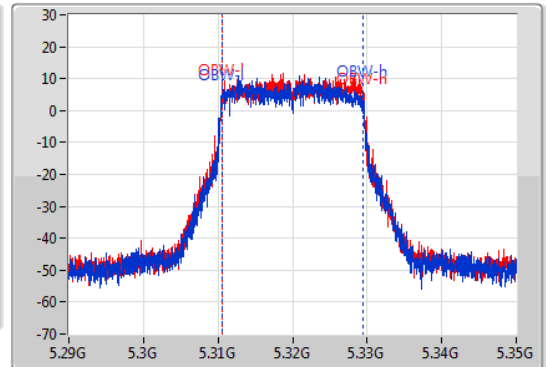
5320MHz

24/12/2020

CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



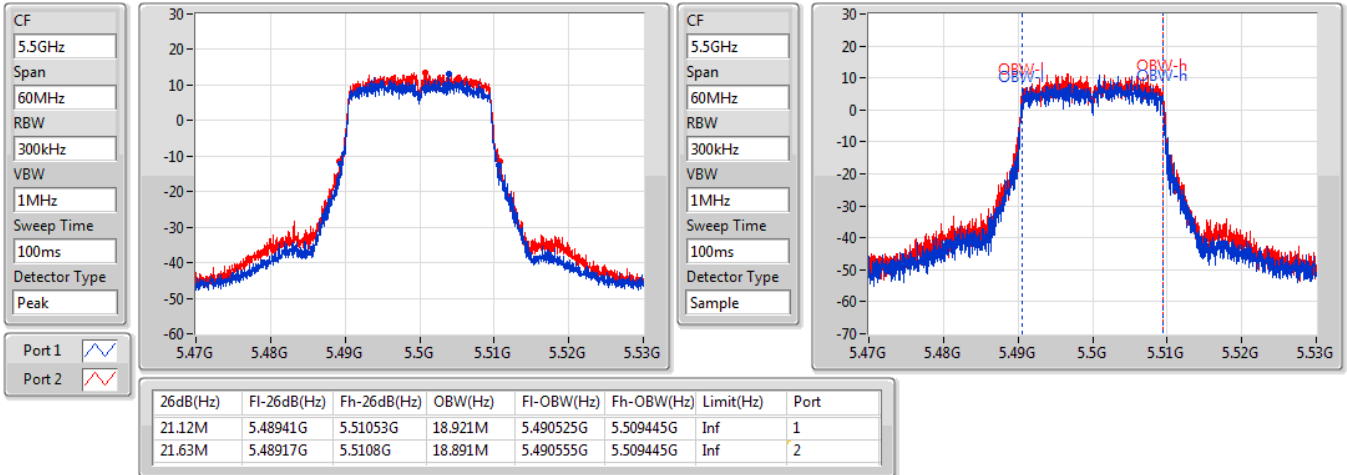
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	5.30923G	5.33089G	18.981M	5.310495G	5.329475G	Inf	1
21.45M	5.30932G	5.33077G	18.951M	5.310555G	5.329505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

24/12/2020

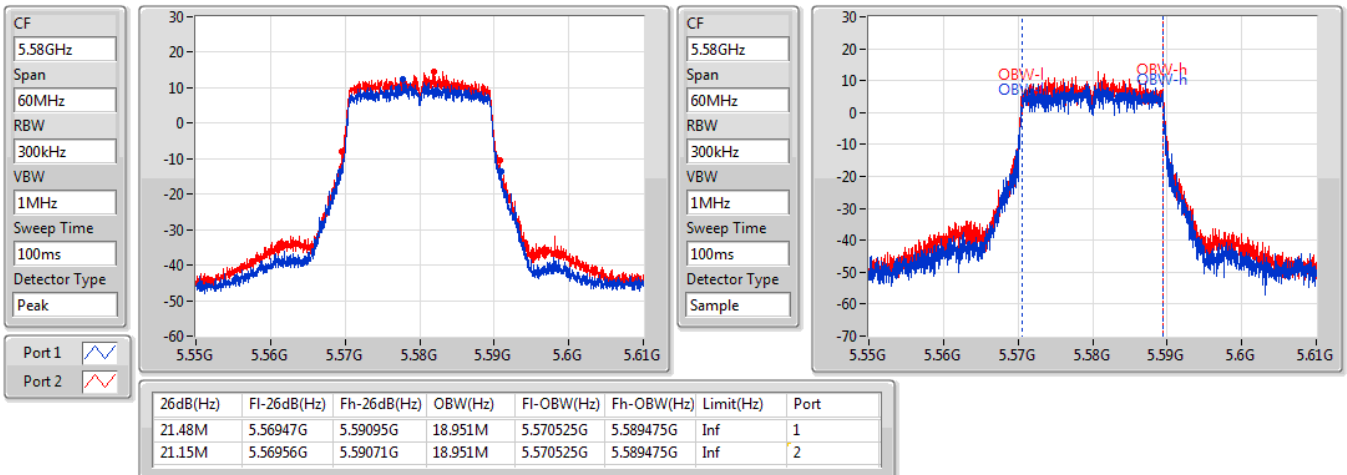


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

24/12/2020

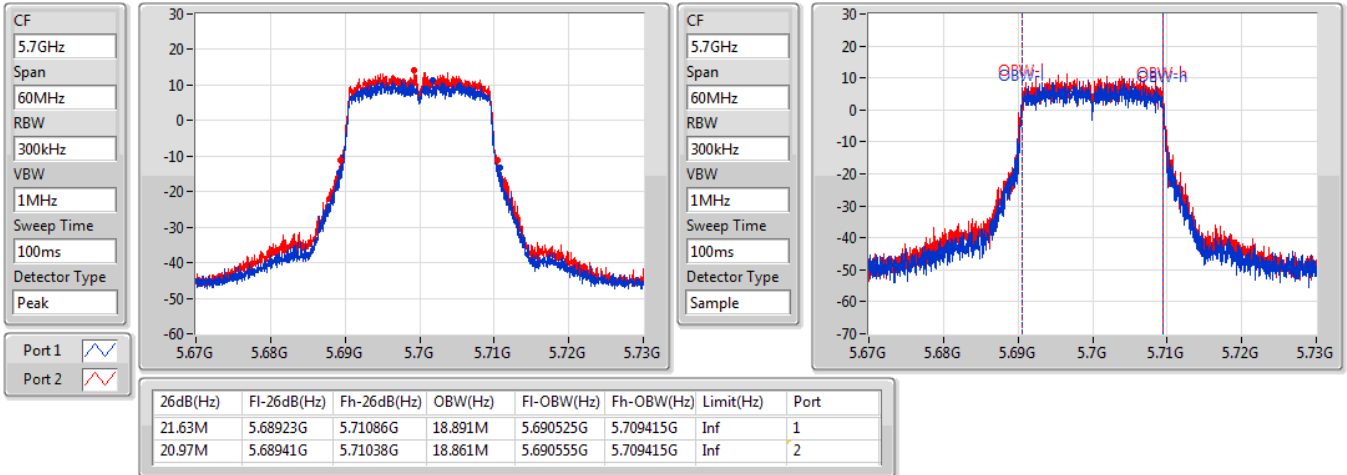


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

24/12/2020

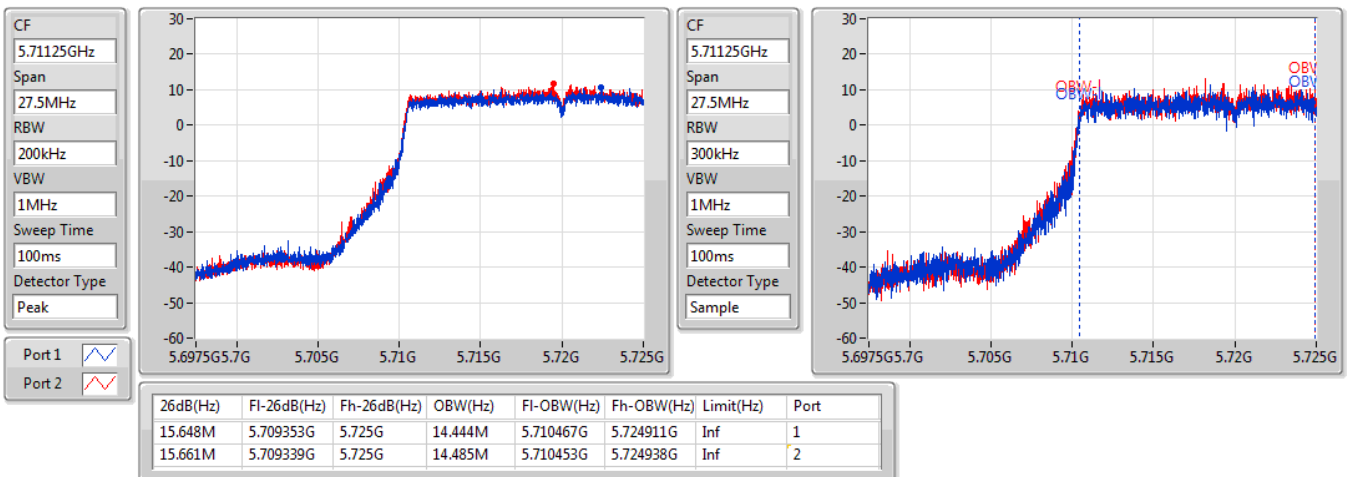


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/12/2020

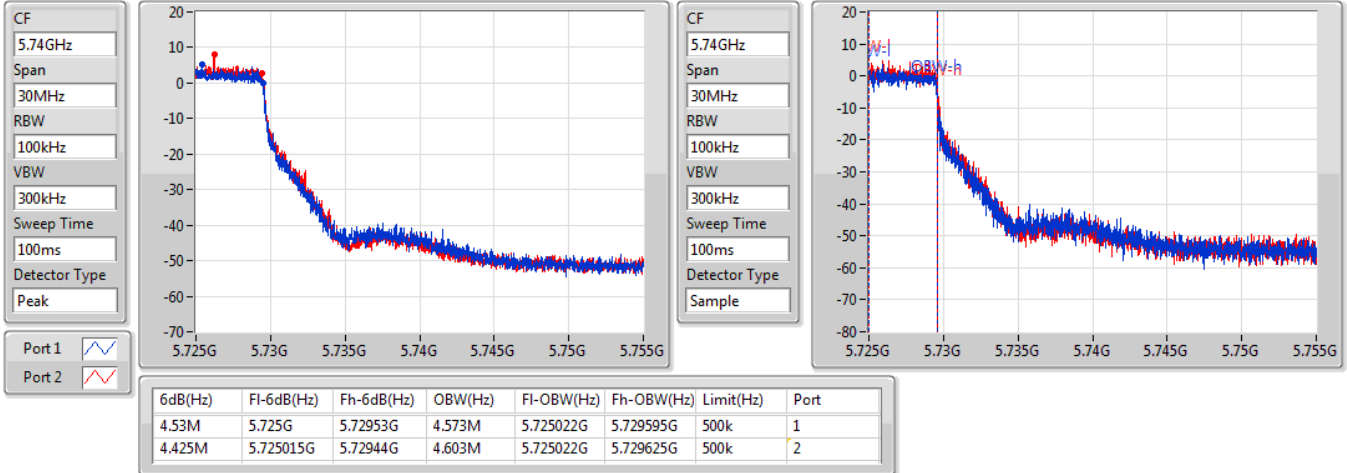


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/12/2020

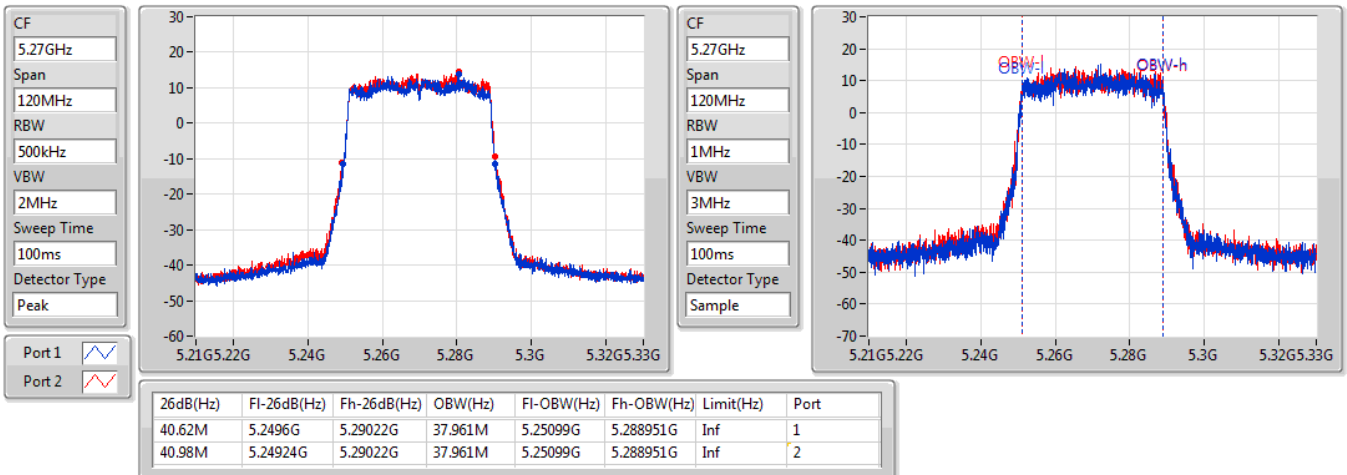


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

24/12/2020

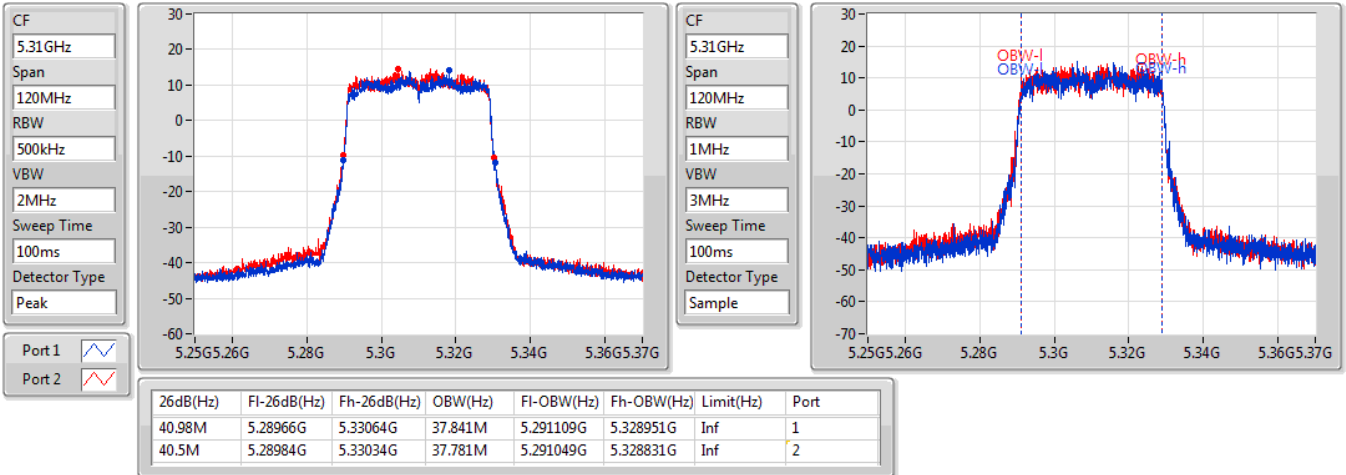


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

24/12/2020

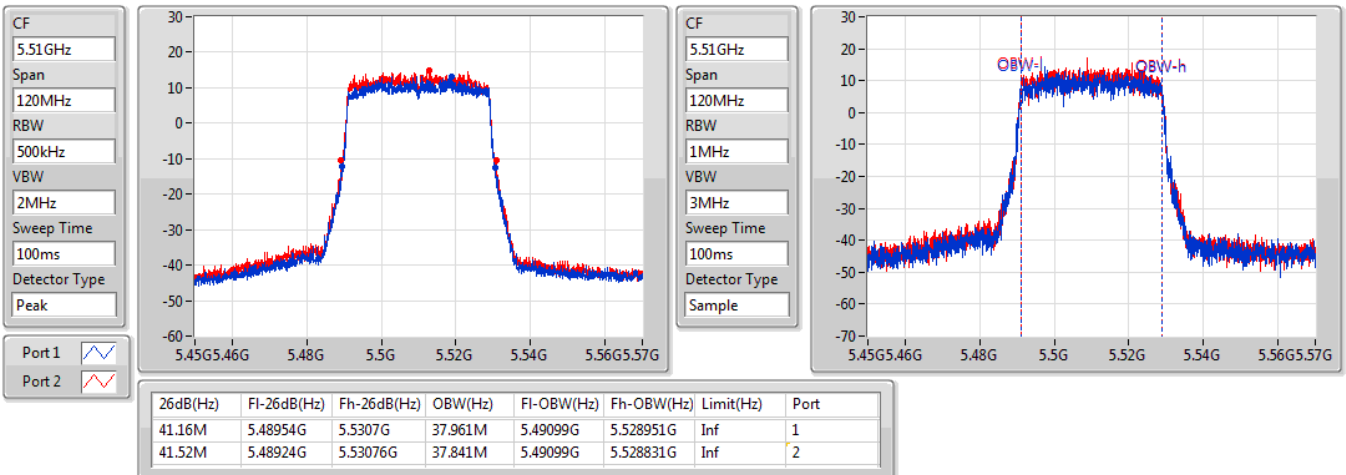


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

24/12/2020



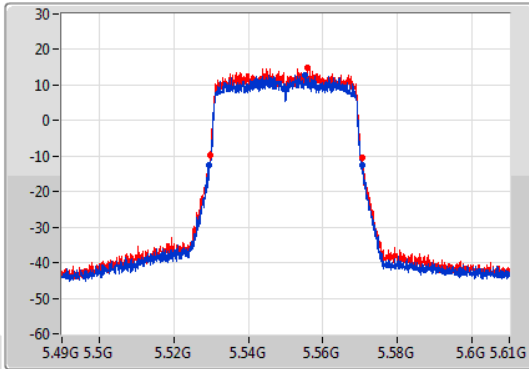
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

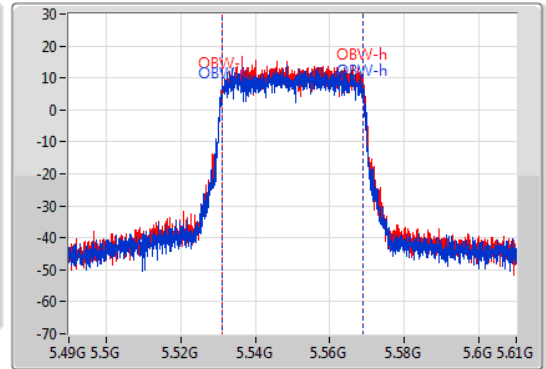
5550MHz

24/12/2020

CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.4M	5.5293G	5.5707G	37.901M	5.531049G	5.568951G	Inf	1
40.86M	5.52972G	5.57058G	37.841M	5.531109G	5.568951G	Inf	2

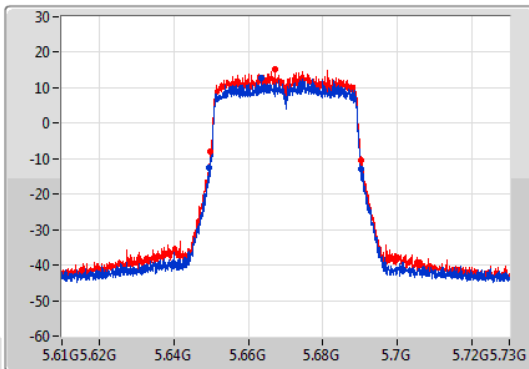
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

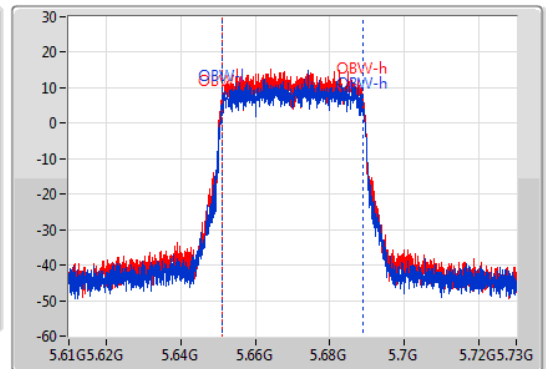
5670MHz

24/12/2020

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



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



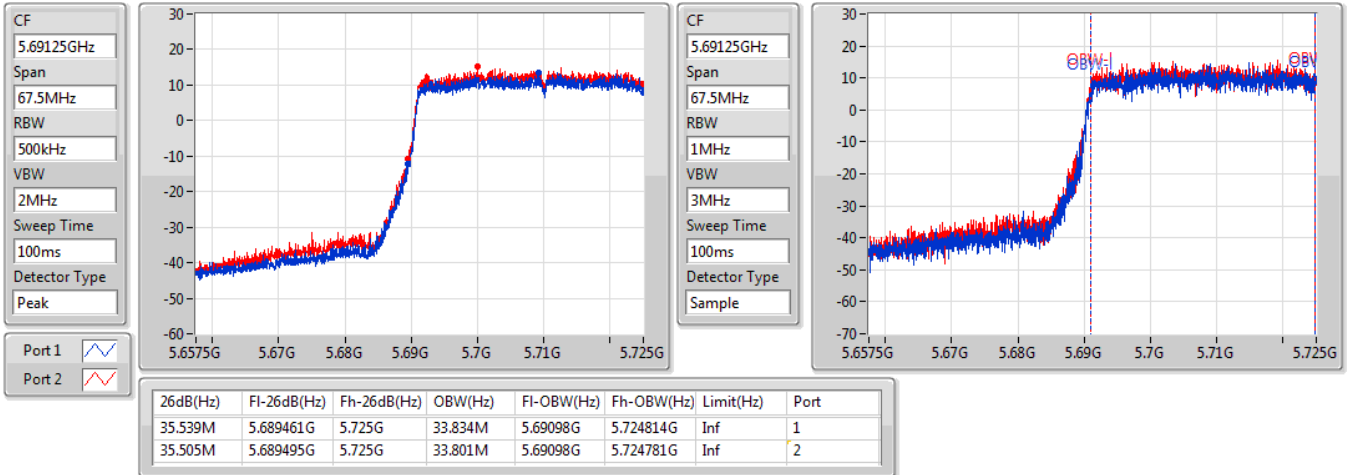
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.64954G	5.69016G	37.901M	5.65099G	5.688891G	Inf	1
40.62M	5.64972G	5.69034G	37.721M	5.651049G	5.688771G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

24/12/2020

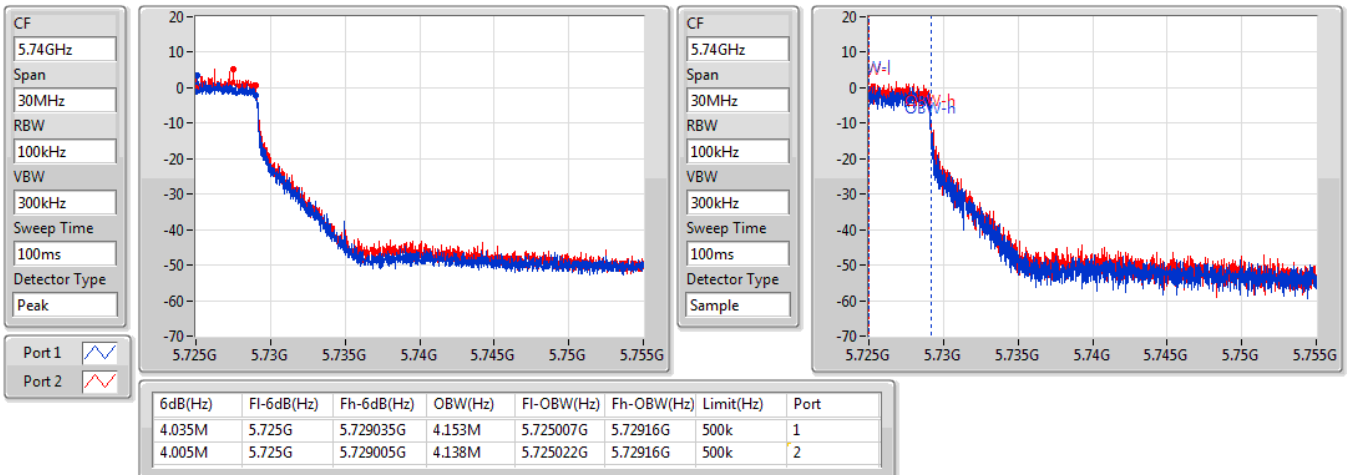


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

24/12/2020



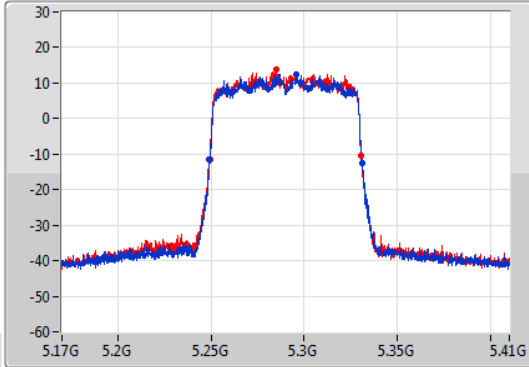
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

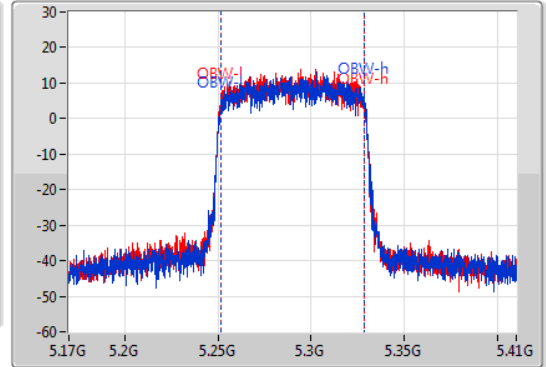
5290MHz

24/12/2020

CF
5.29GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.2492G	5.3314G	77.001M	5.251739G	5.328741G	Inf	1
81.12M	5.24932G	5.33044G	76.762M	5.251499G	5.328261G	Inf	2

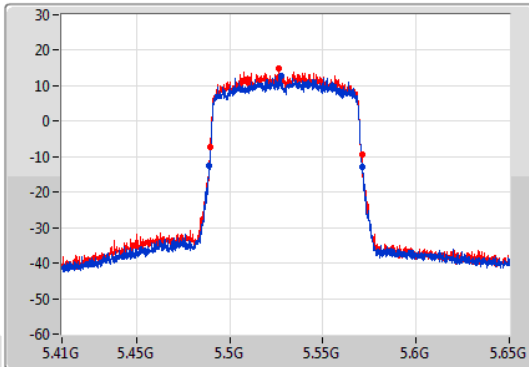
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

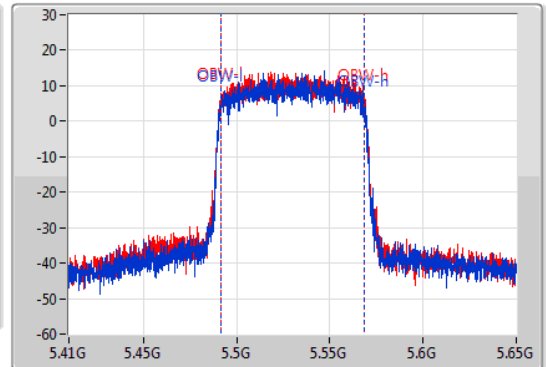
5530MHz

24/12/2020

CF
5.53GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Sample



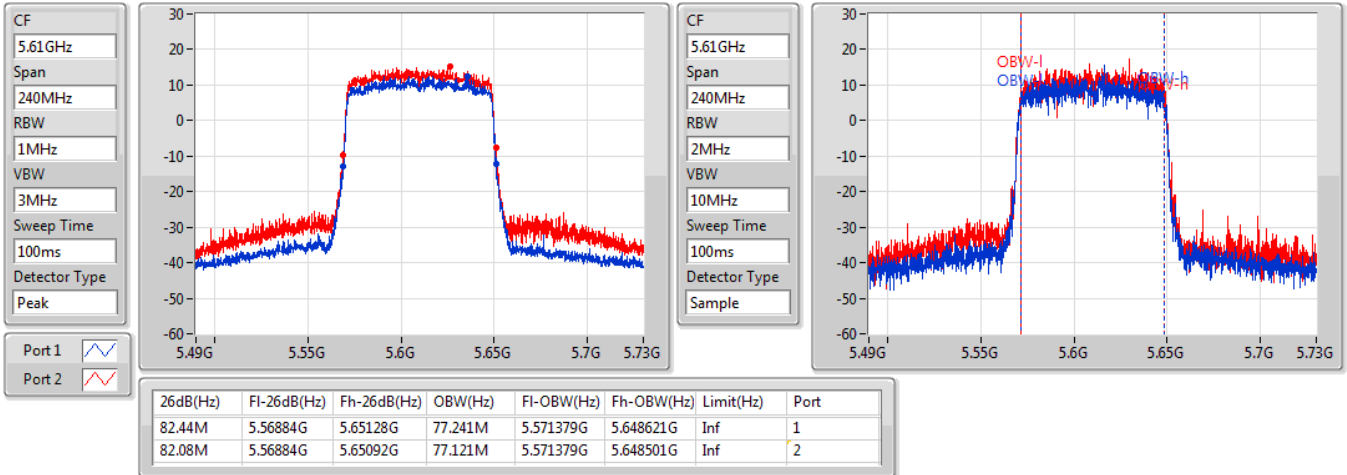
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.48896G	5.57092G	76.642M	5.491499G	5.568141G	Inf	1
81.6M	5.48944G	5.57104G	77.121M	5.491499G	5.568621G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

24/12/2020

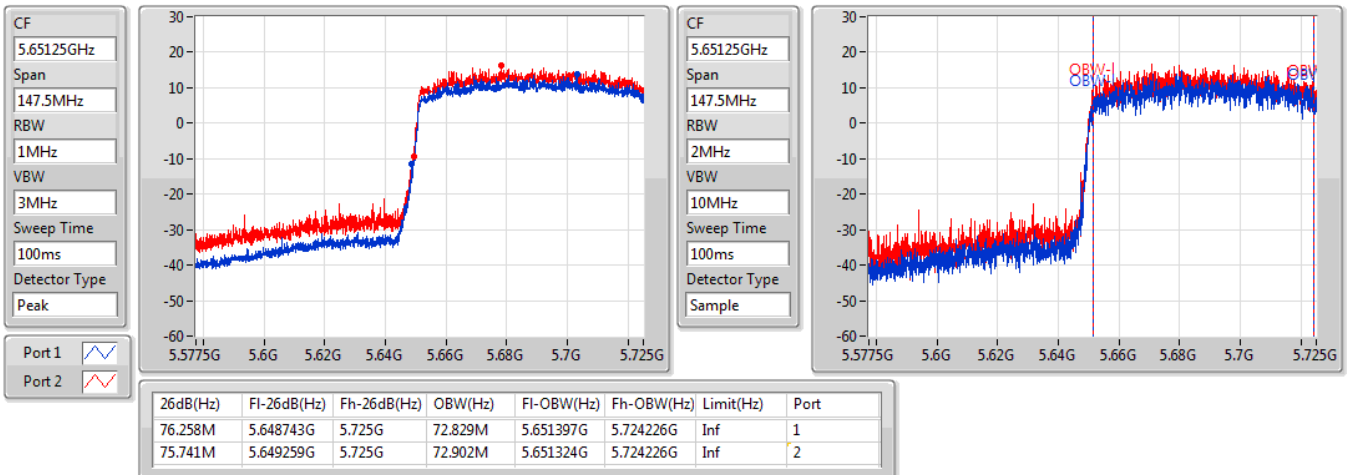


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

24/12/2020



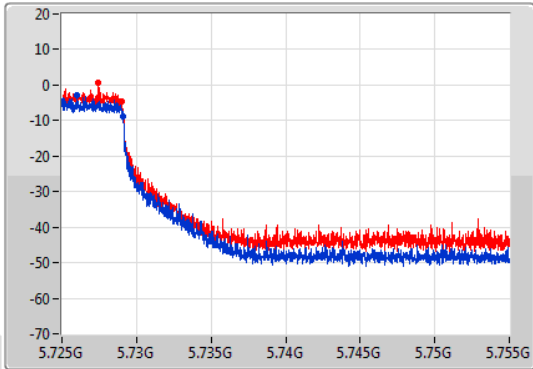
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

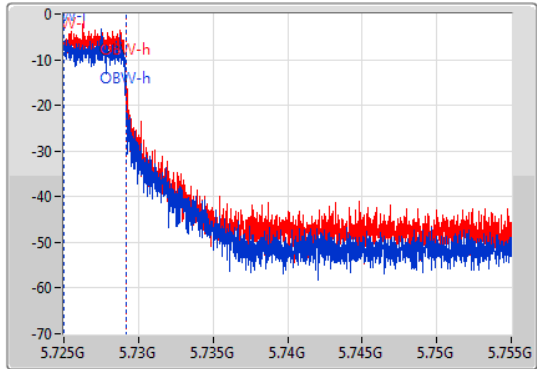
5690MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.11M	5.725G	5.72911G	4.138M	5.725022G	5.72916G	500k	1
4.035M	5.725G	5.729035G	4.138M	5.725022G	5.72916G	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)_1TX	34.14M	18.039M	18M0D1D	25.83M	16.696M
802.11n HT20_Nss1,(MCS0)_1TX	30.21M	18.111M	18M1D1D	24.78M	17.871M
802.11n HT40_Nss1,(MCS0)_1TX	51.72M	36.762M	36M8D1D	48.3M	36.642M
802.11ac VHT20_Nss1,(MCS0)_1TX	30.3M	18.135M	18M1D1D	25.62M	17.799M
802.11ac VHT40_Nss1,(MCS0)_1TX	64.92M	36.798M	36M8D1D	49.56M	36.366M
802.11ac VHT80_Nss1,(MCS0)_1TX	98.88M	75.994M	76M0D1D	98.88M	75.994M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	37.14M	18.903M	18M9D1D	19.429M	13.881M
802.11n HT20_Nss1,(MCS0)_1TX	31.95M	18.141M	18M1D1D	18.15M	14.032M
802.11n HT40_Nss1,(MCS0)_1TX	54.84M	36.822M	36M8D1D	40.568M	33.362M
802.11ac VHT20_Nss1,(MCS0)_1TX	36.27M	18.519M	18M5D1D	18.755M	14.018M
802.11ac VHT40_Nss1,(MCS0)_1TX	78.66M	37.277M	37M3D1D	41.918M	33.193M
802.11ac VHT80_Nss1,(MCS0)_1TX	105.36M	76.09M	76M1D1D	87.984M	72.755M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.165M	6.432M	6M43D1D	3.165M	6.432M
802.11n HT20_Nss1,(MCS0)_1TX	3.765M	5.442M	5M44D1D	3.765M	5.442M
802.11n HT40_Nss1,(MCS0)_1TX	3.165M	7.706M	7M71D1D	3.165M	7.706M
802.11ac VHT20_Nss1,(MCS0)_1TX	3.795M	5.712M	5M71D1D	3.795M	5.712M
802.11ac VHT40_Nss1,(MCS0)_1TX	3.105M	9.745M	9M75D1D	3.105M	9.745M
802.11ac VHT80_Nss1,(MCS0)_1TX	3.225M	19.295M	19M3D1D	3.225M	19.295M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5260MHz	Pass	Inf	27.21M	16.72M
5300MHz	Pass	Inf	34.14M	18.039M
5320MHz	Pass	Inf	25.83M	16.696M
5500MHz	Pass	Inf	25.95M	16.672M
5580MHz	Pass	Inf	37.14M	18.903M
5700MHz	Pass	Inf	25.65M	16.696M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.429M	13.881M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	6.432M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	26.07M	18.021M
5300MHz	Pass	Inf	30.21M	18.111M
5320MHz	Pass	Inf	24.78M	17.871M
5500MHz	Pass	Inf	25.86M	17.961M
5580MHz	Pass	Inf	31.95M	18.141M
5700MHz	Pass	Inf	26.19M	17.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.15M	14.032M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.765M	5.442M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	51.72M	36.762M
5310MHz	Pass	Inf	48.3M	36.642M
5510MHz	Pass	Inf	49.68M	36.822M
5550MHz	Pass	Inf	54.84M	36.702M
5670MHz	Pass	Inf	53.04M	36.702M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	40.568M	33.362M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.165M	7.706M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	27.84M	17.847M
5300MHz	Pass	Inf	30.3M	18.135M
5320MHz	Pass	Inf	25.62M	17.799M
5500MHz	Pass	Inf	25.77M	17.847M
5580MHz	Pass	Inf	36.27M	18.519M
5700MHz	Pass	Inf	26.88M	17.823M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.755M	14.018M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.795M	5.712M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	64.92M	36.798M
5310MHz	Pass	Inf	49.56M	36.366M
5510MHz	Pass	Inf	48.3M	36.414M
5550MHz	Pass	Inf	78.66M	37.277M
5670MHz	Pass	Inf	53.1M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	41.918M	33.193M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.105M	9.745M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	98.88M	75.994M
5530MHz	Pass	Inf	97.32M	75.994M
5610MHz	Pass	Inf	105.36M	76.09M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	87.984M	72.755M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.225M	19.295M

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

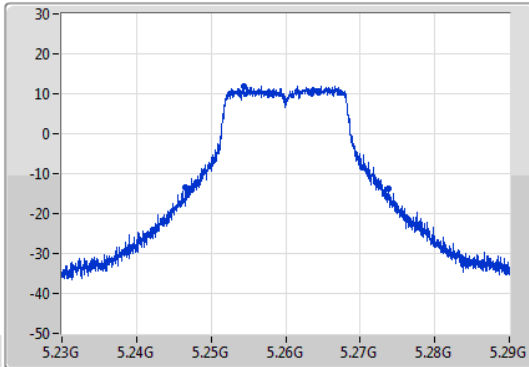
802.11a_Nss1,(6Mbps)_1TX

EBW

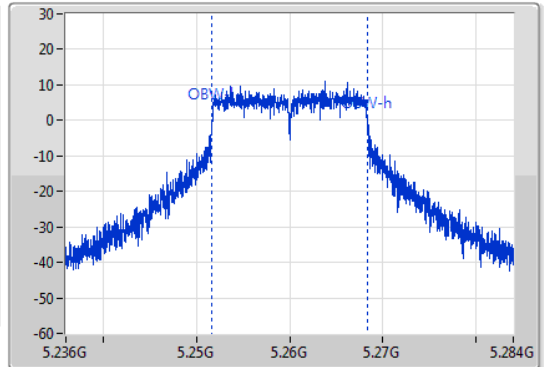
5260MHz

11/11/2020

CF
5.26GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port1



CF
5.26GHz
Span
48MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.21M	5.2465G	5.27371G	16.72M	5.251676G	5.268396G	Inf	1

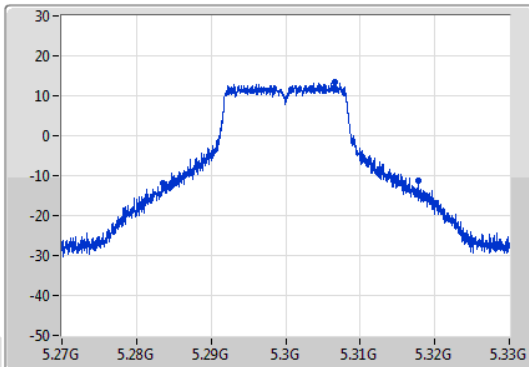
802.11a_Nss1,(6Mbps)_1TX

EBW

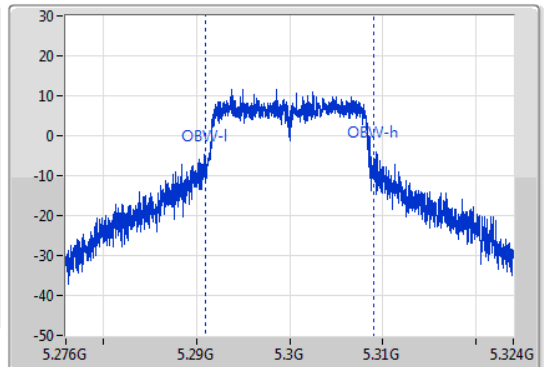
5300MHz

11/11/2020

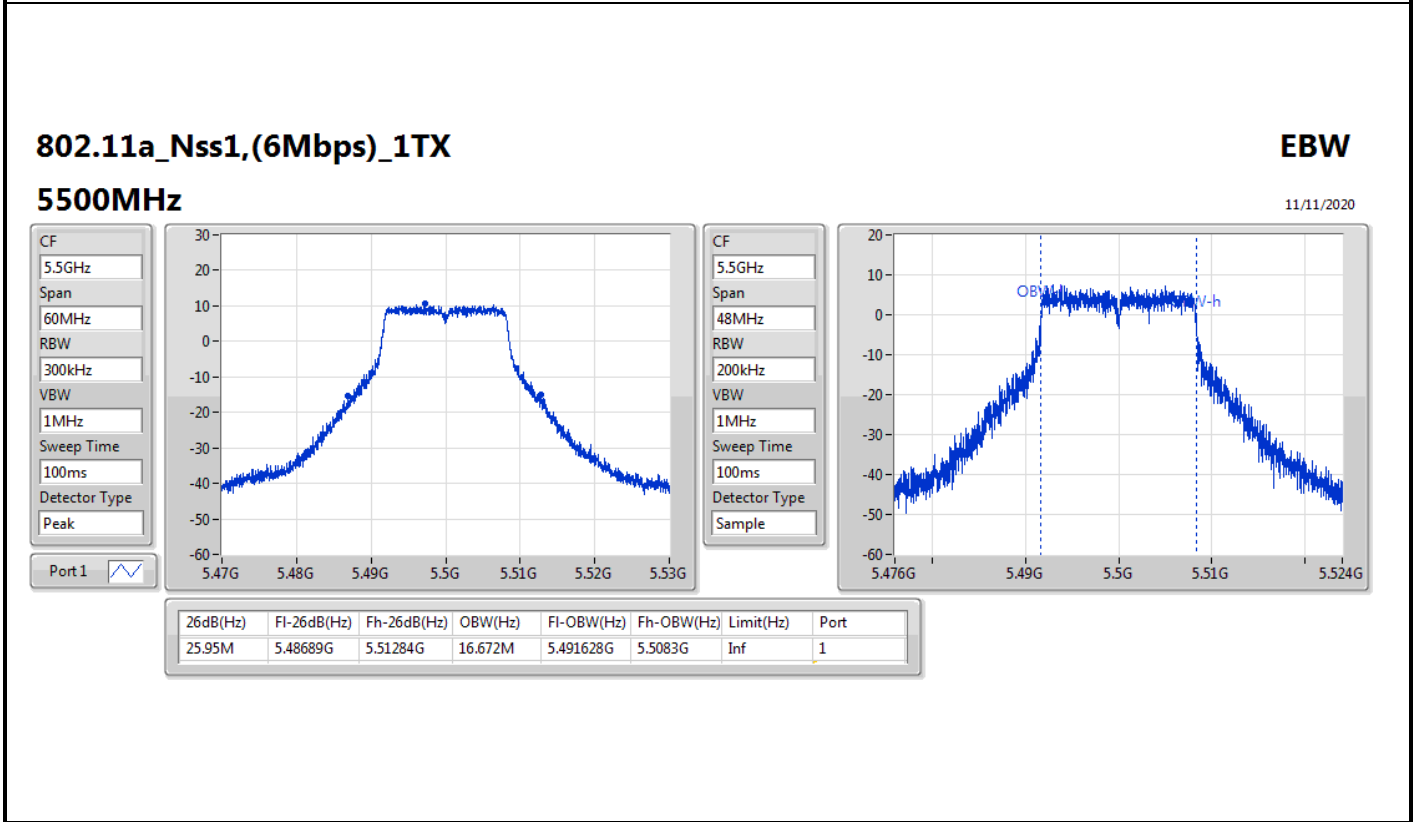
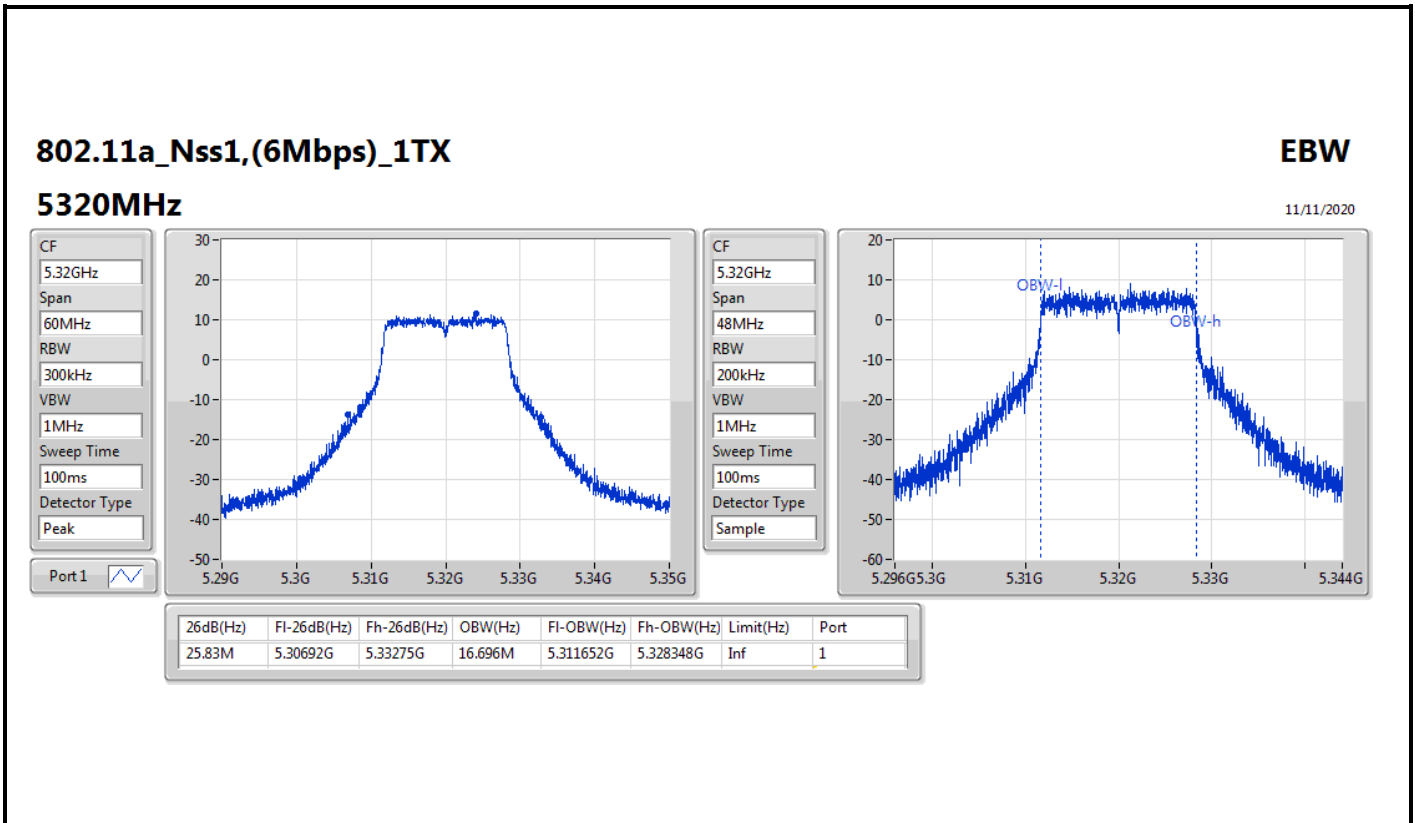
CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port1

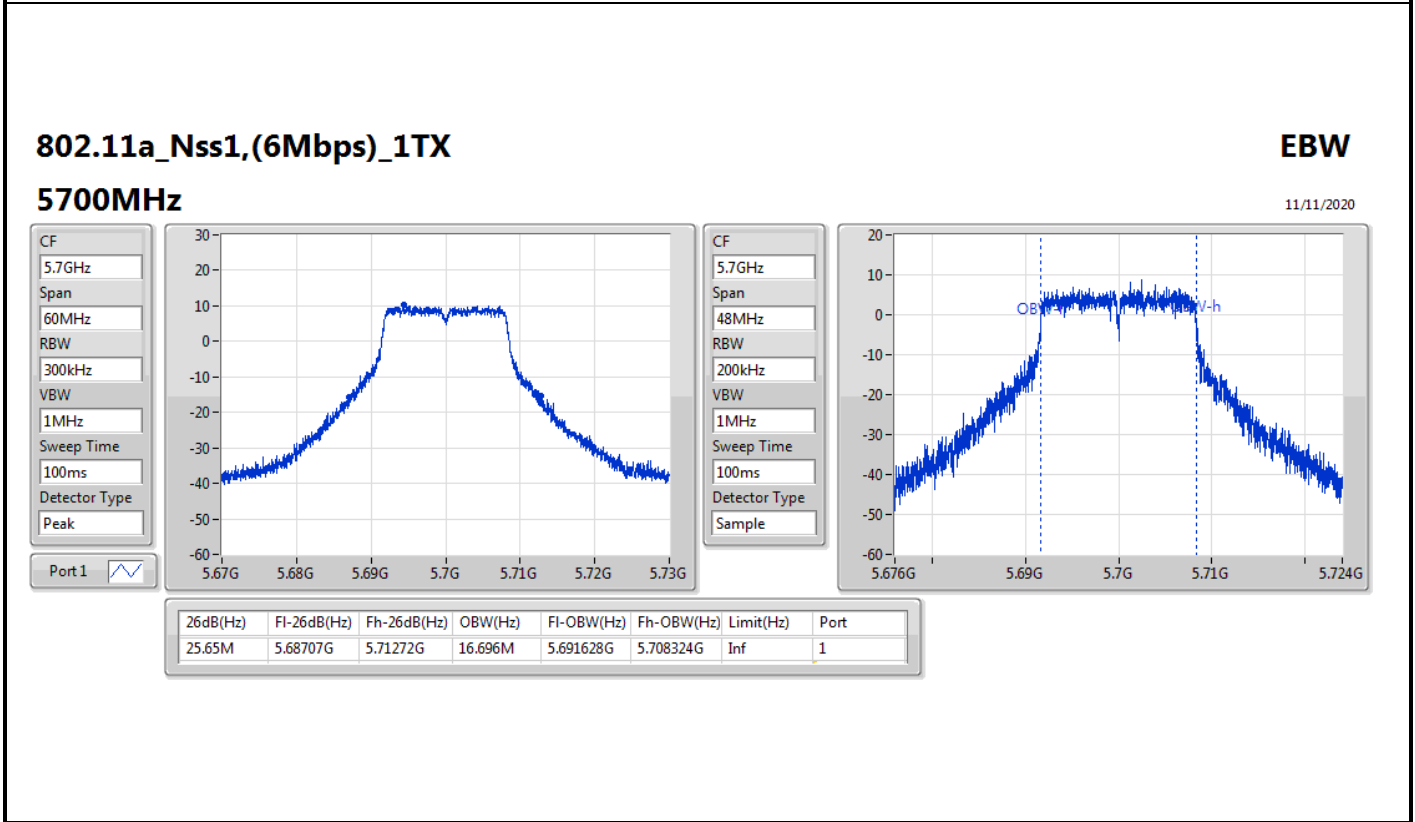
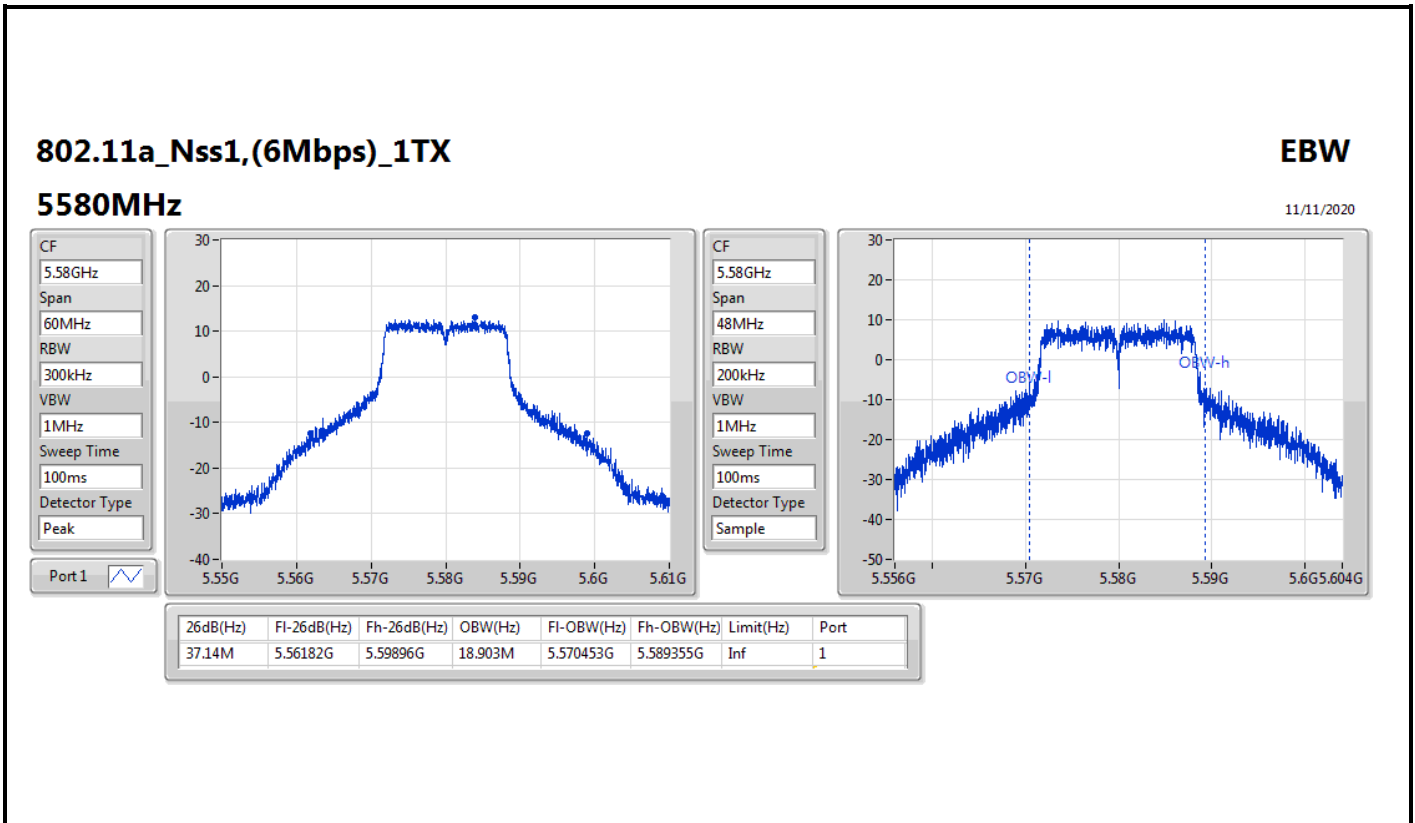


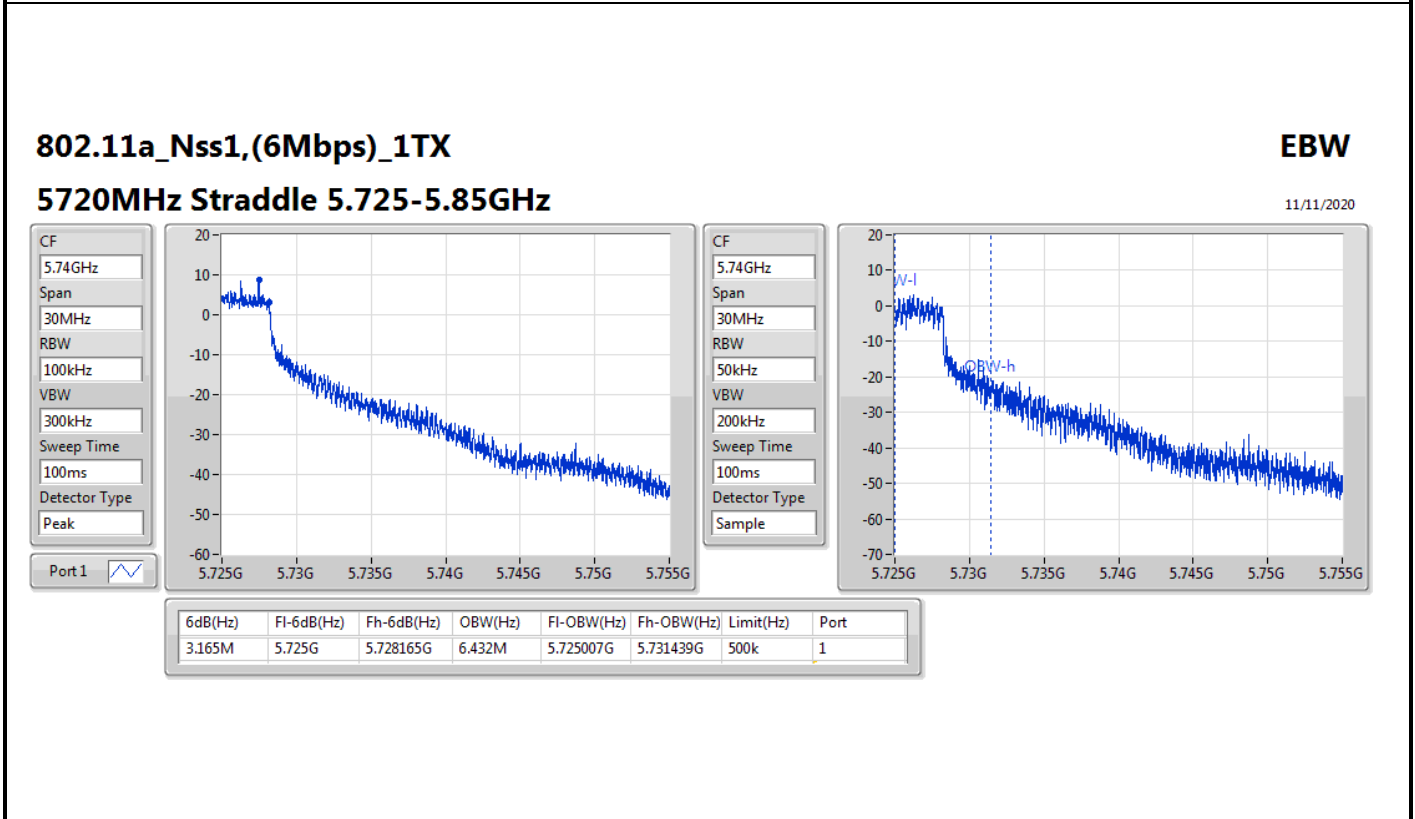
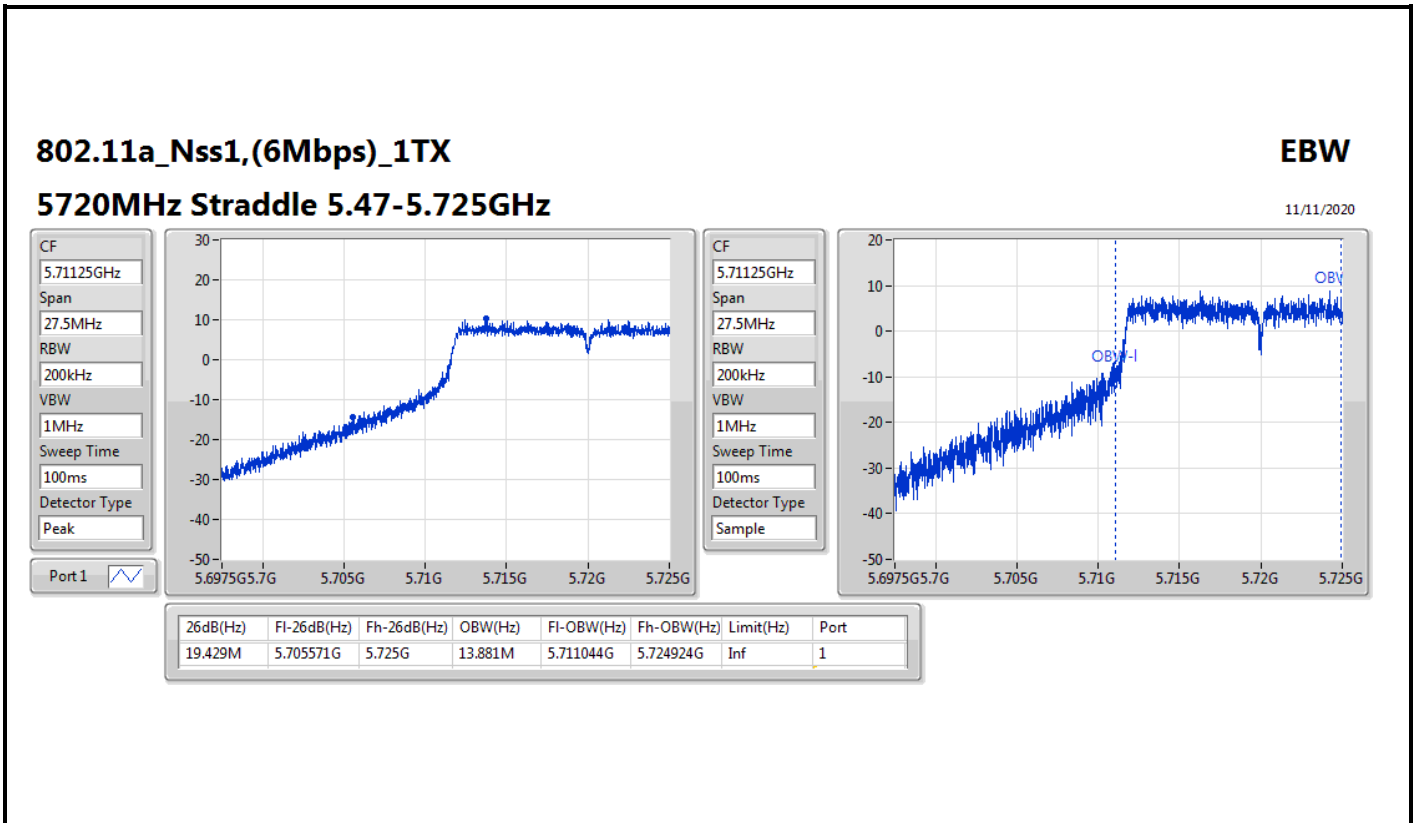
CF
5.3GHz
Span
48MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample

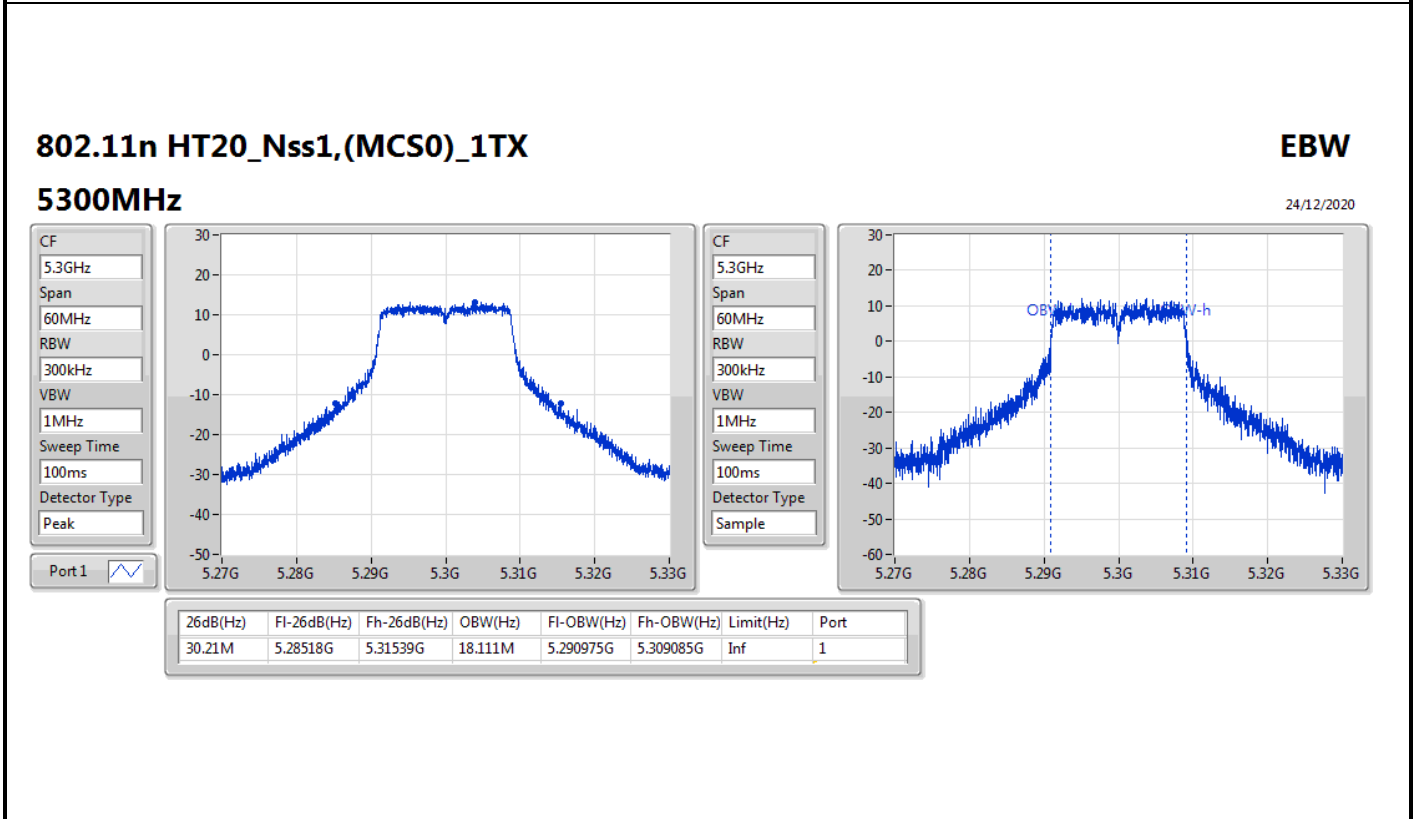
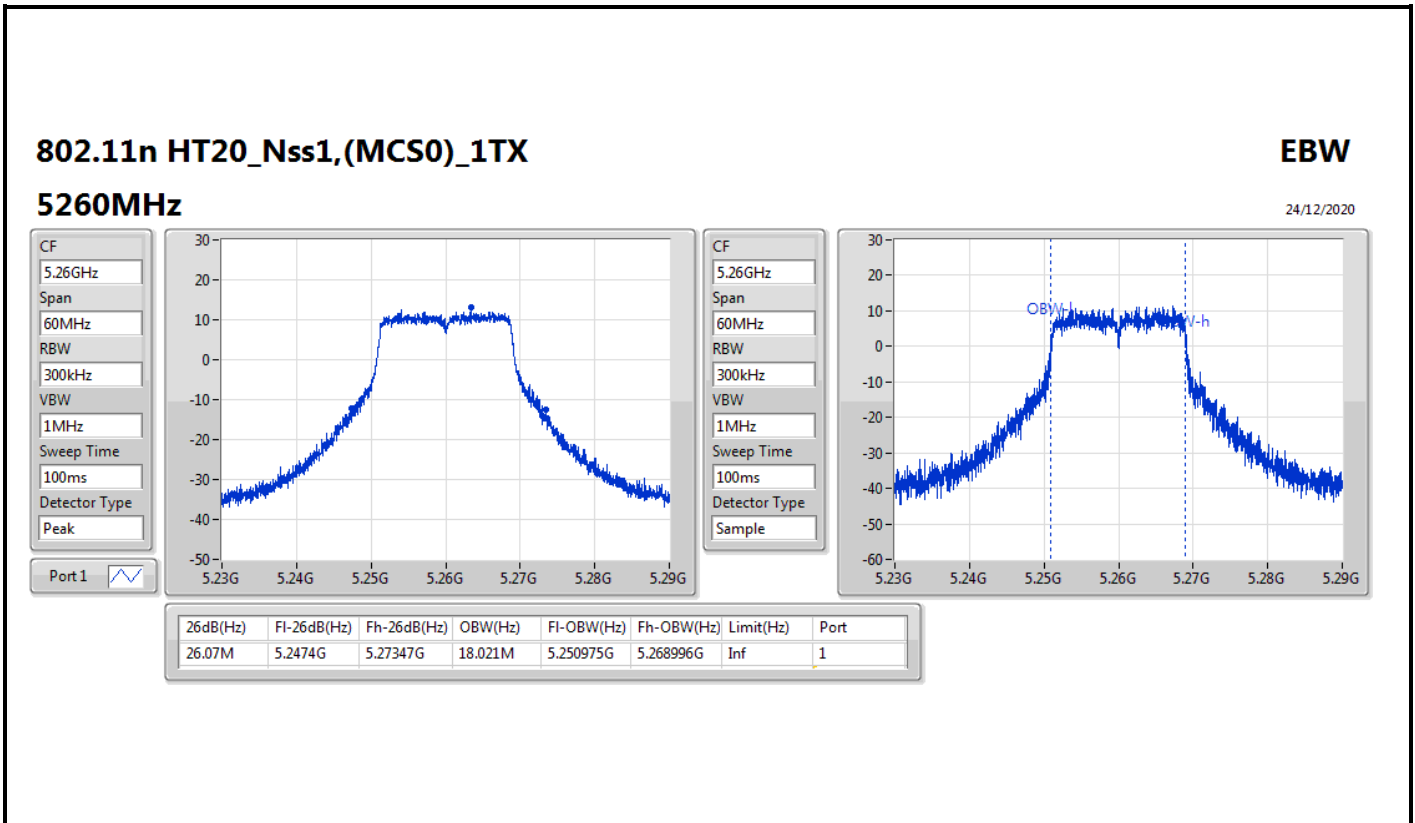


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.14M	5.28362G	5.31776G	18.039M	5.290957G	5.308996G	Inf	1







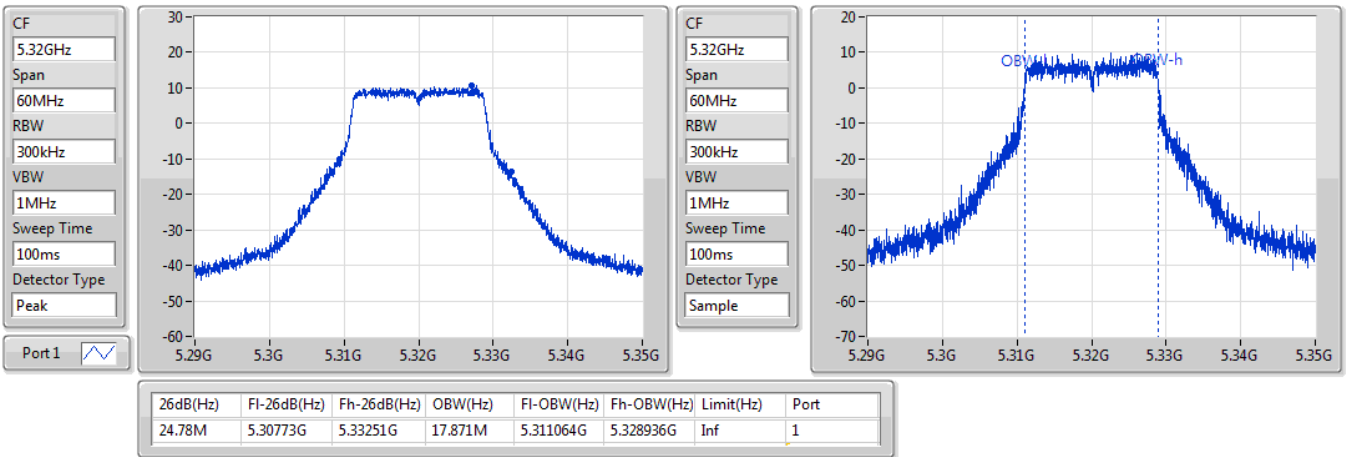


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5320MHz

24/12/2020

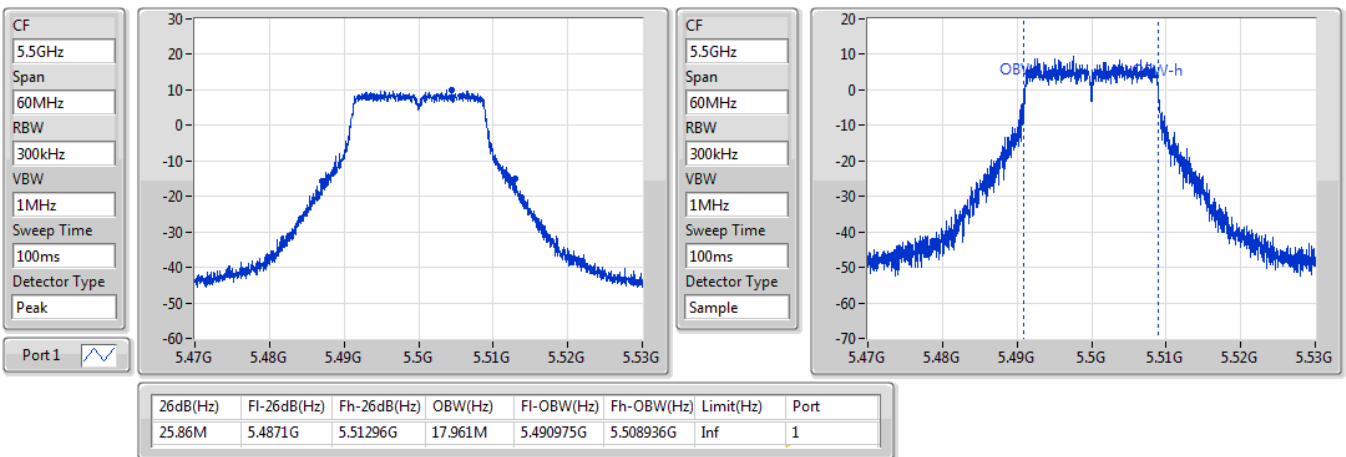


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5500MHz

24/12/2020

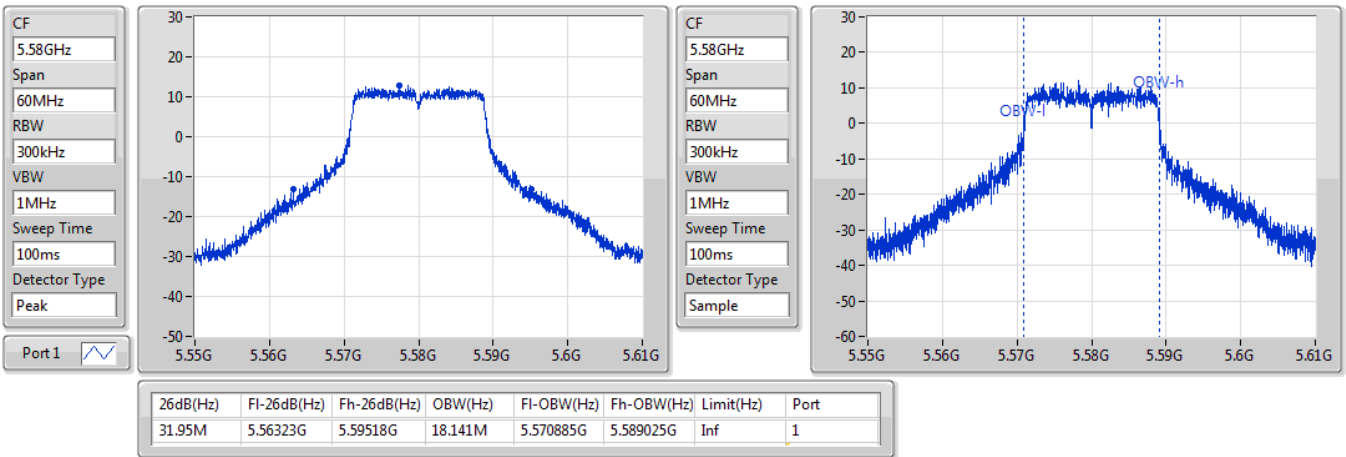


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5580MHz

24/12/2020

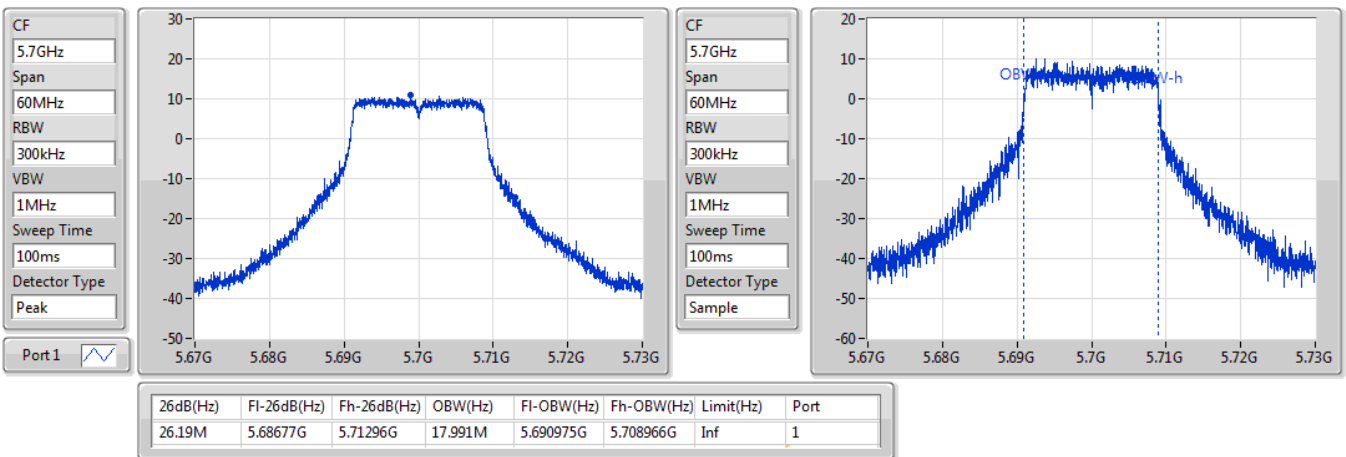


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5700MHz

24/12/2020

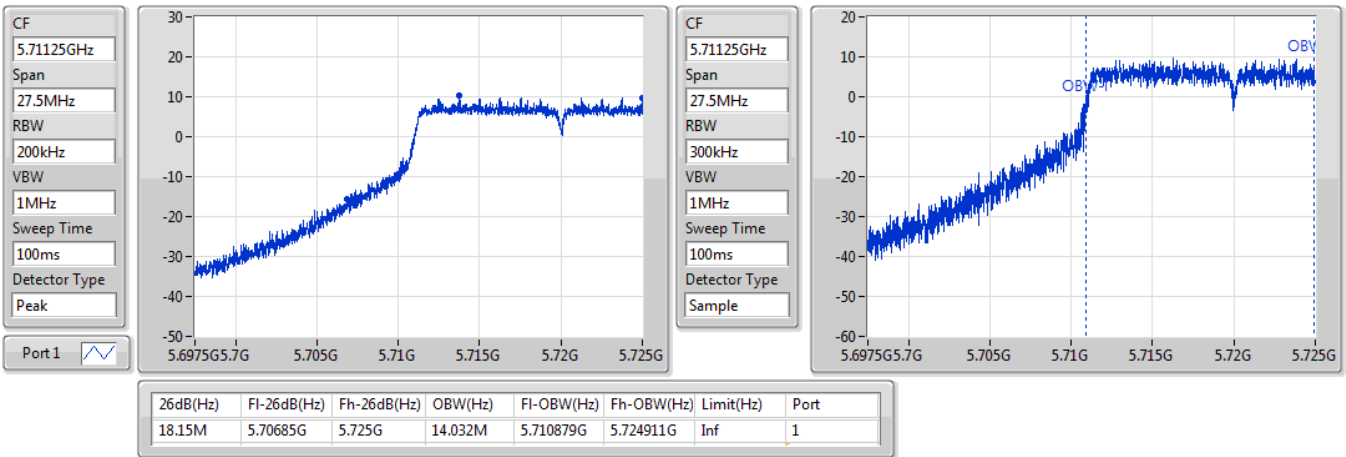


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/12/2020

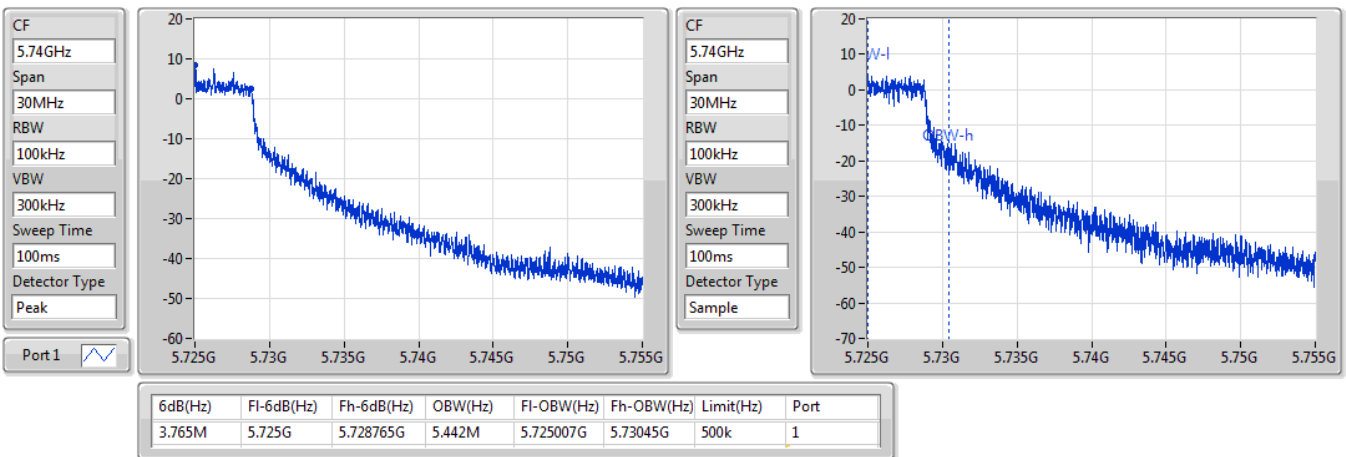


802.11n HT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/12/2020



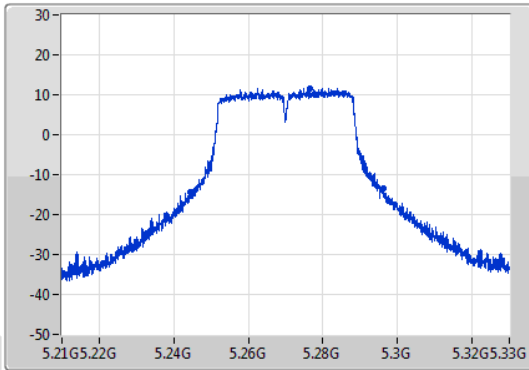
802.11n HT40_Nss1,(MCS0)_1TX

EBW

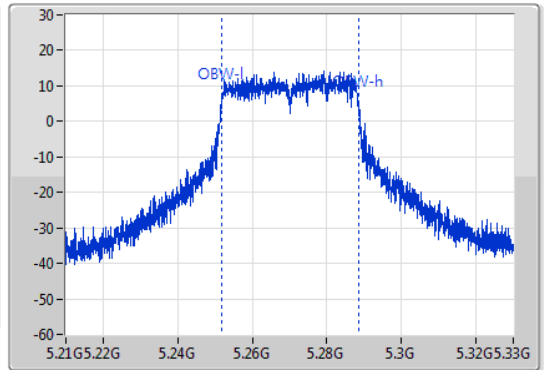
5270MHz

24/12/2020

CF: 5.27GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.27GHz
 Span: 120MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.72M	5.24456G	5.29628G	36.762M	5.251709G	5.288471G	Inf	1

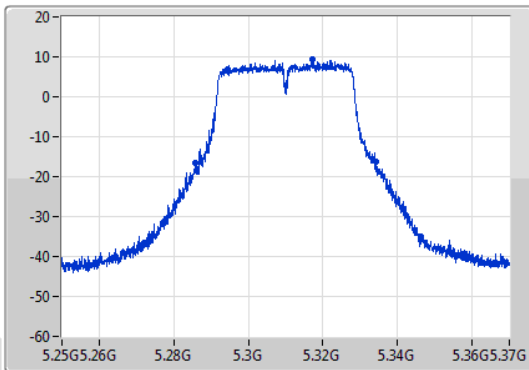
802.11n HT40_Nss1,(MCS0)_1TX

EBW

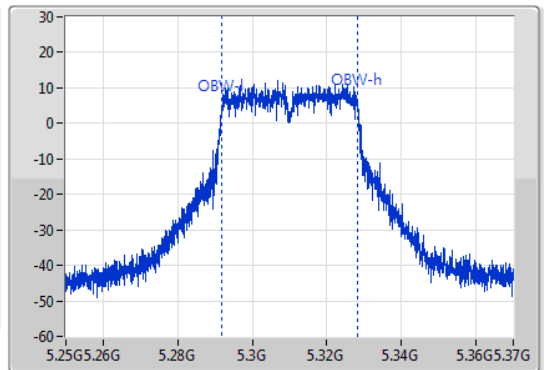
5310MHz

24/12/2020

CF: 5.31GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.31GHz
 Span: 120MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



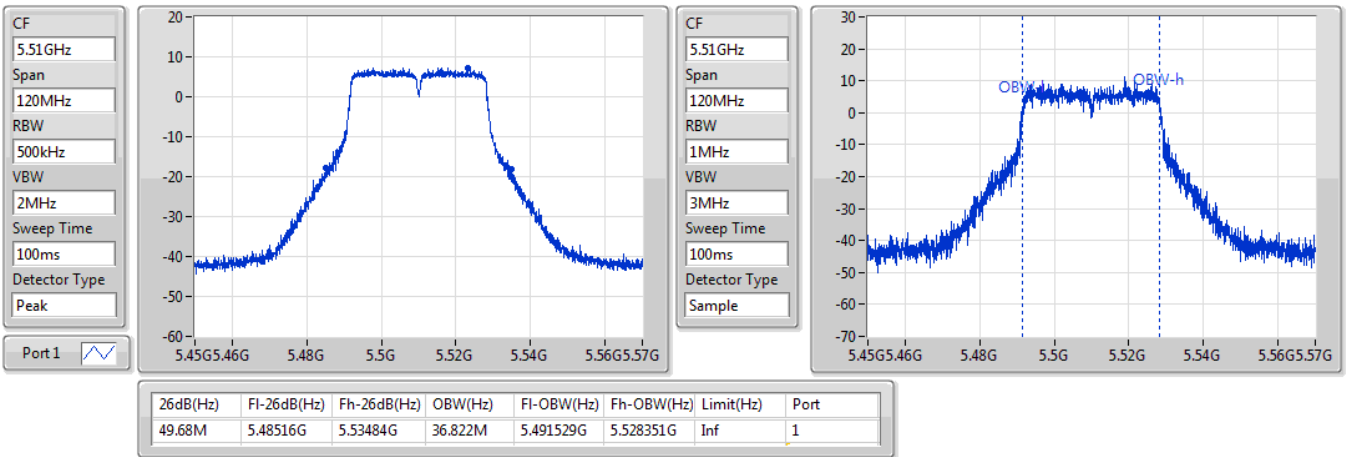
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.3M	5.28582G	5.33412G	36.642M	5.291709G	5.328351G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX

EBW

5510MHz

24/12/2020

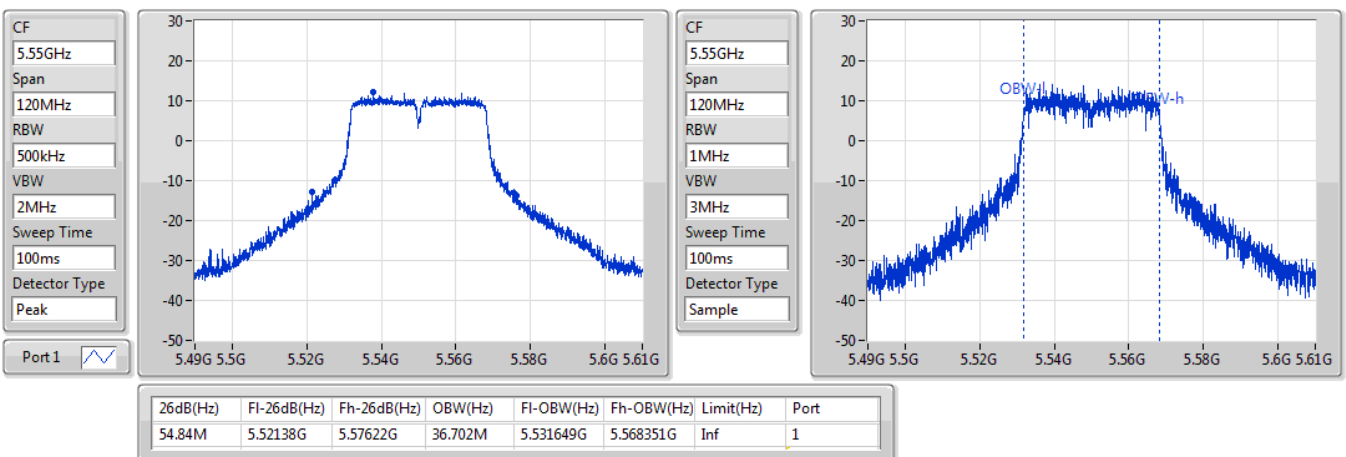


802.11n HT40_Nss1,(MCS0)_1TX

EBW

5550MHz

24/12/2020



802.11n HT40_Nss1,(MCS0)_1TX

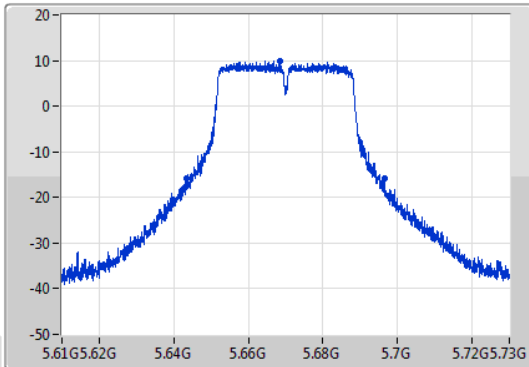
EBW

5670MHz

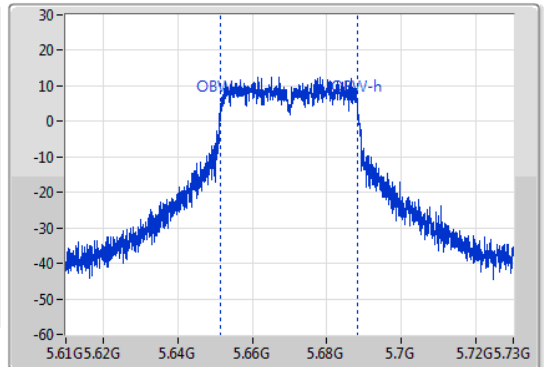
24/12/2020

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

Port 1



CF
5.67GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.04M	5.64342G	5.69646G	36.702M	5.651529G	5.688231G	Inf	1

802.11n HT40_Nss1,(MCS0)_1TX

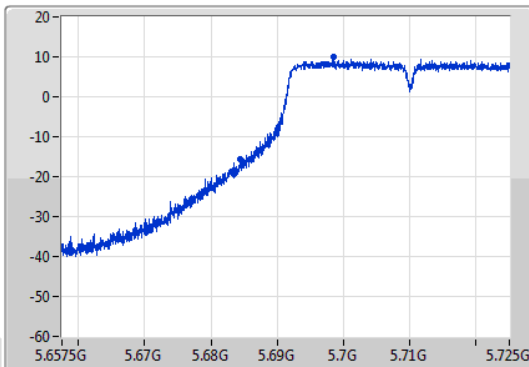
EBW

5710MHz Straddle 5.47-5.725GHz

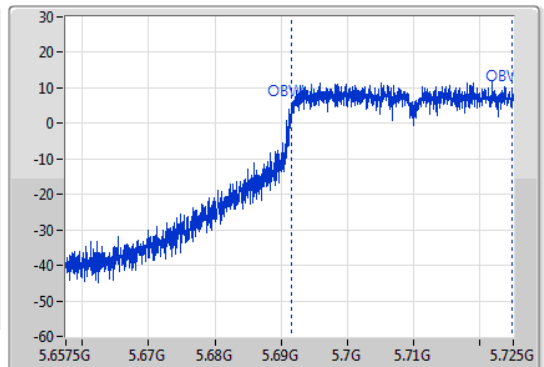
24/12/2020

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

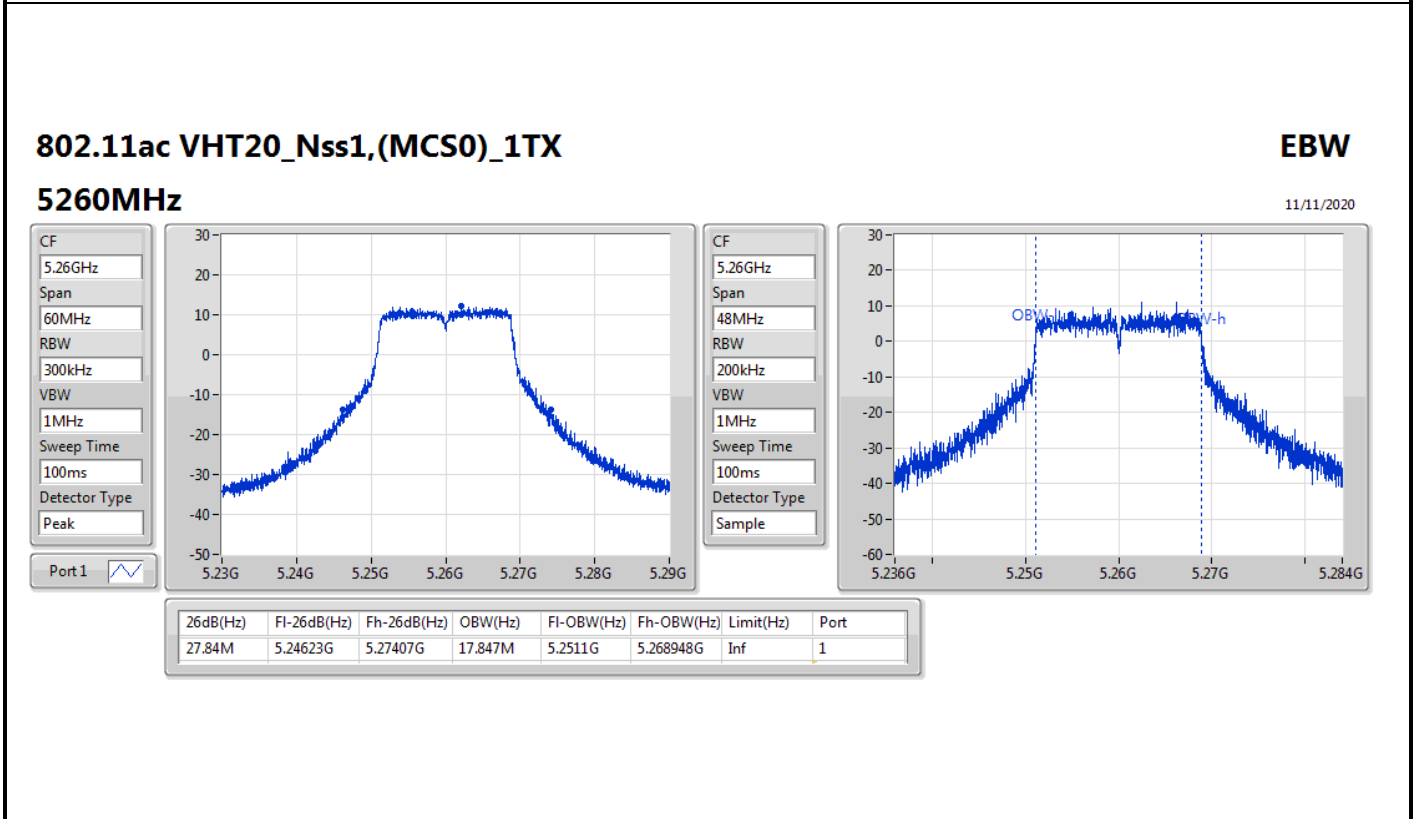
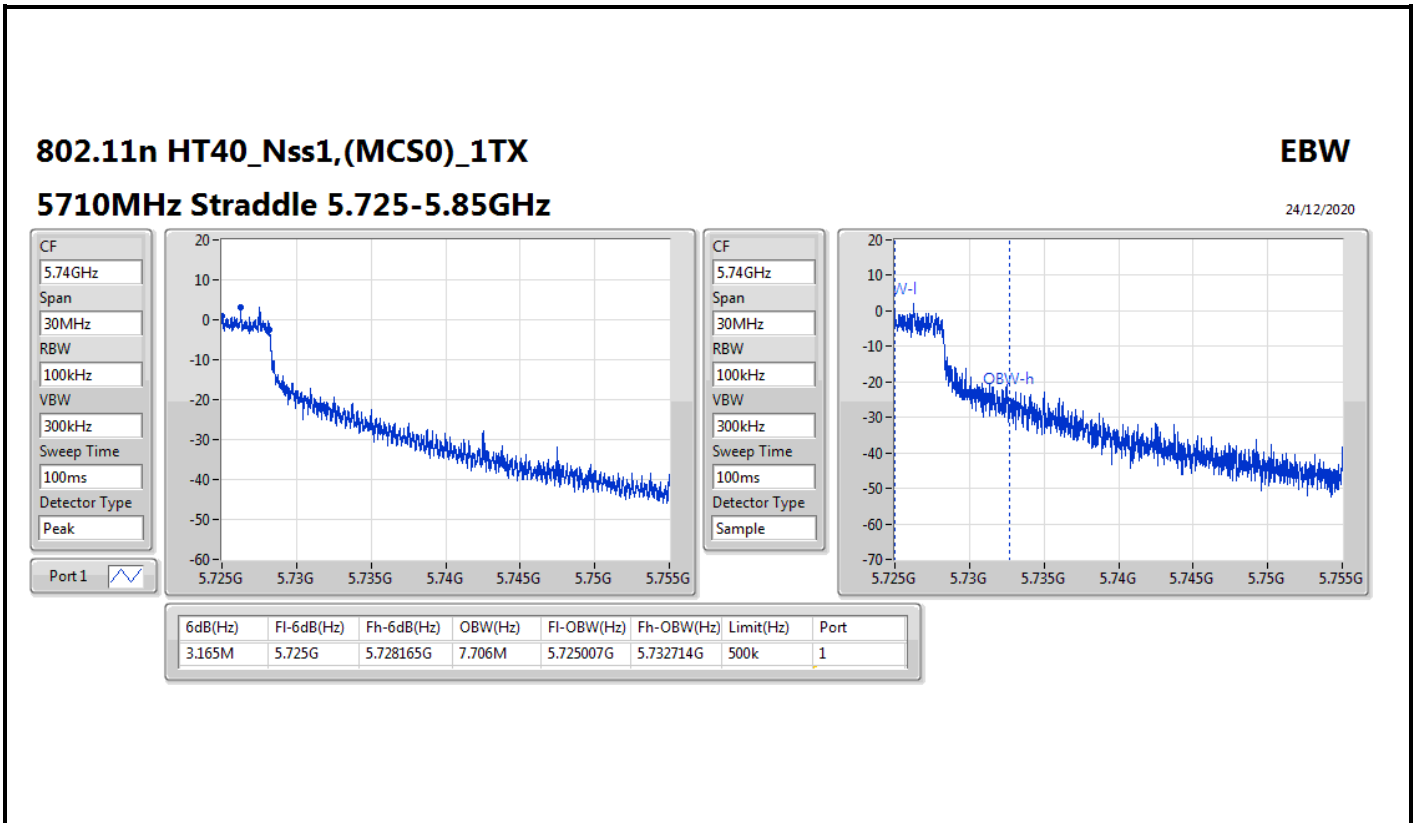
Port 1

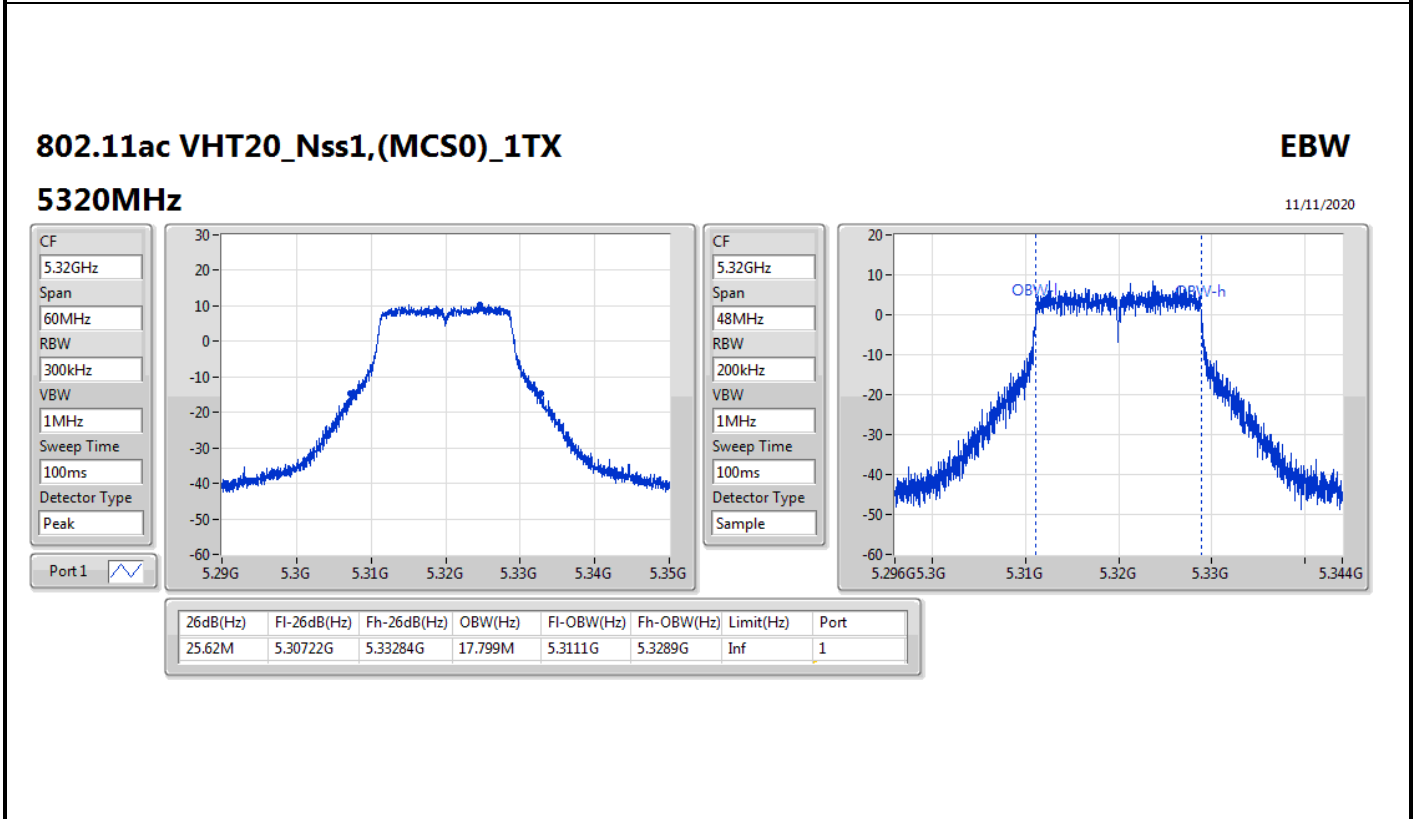
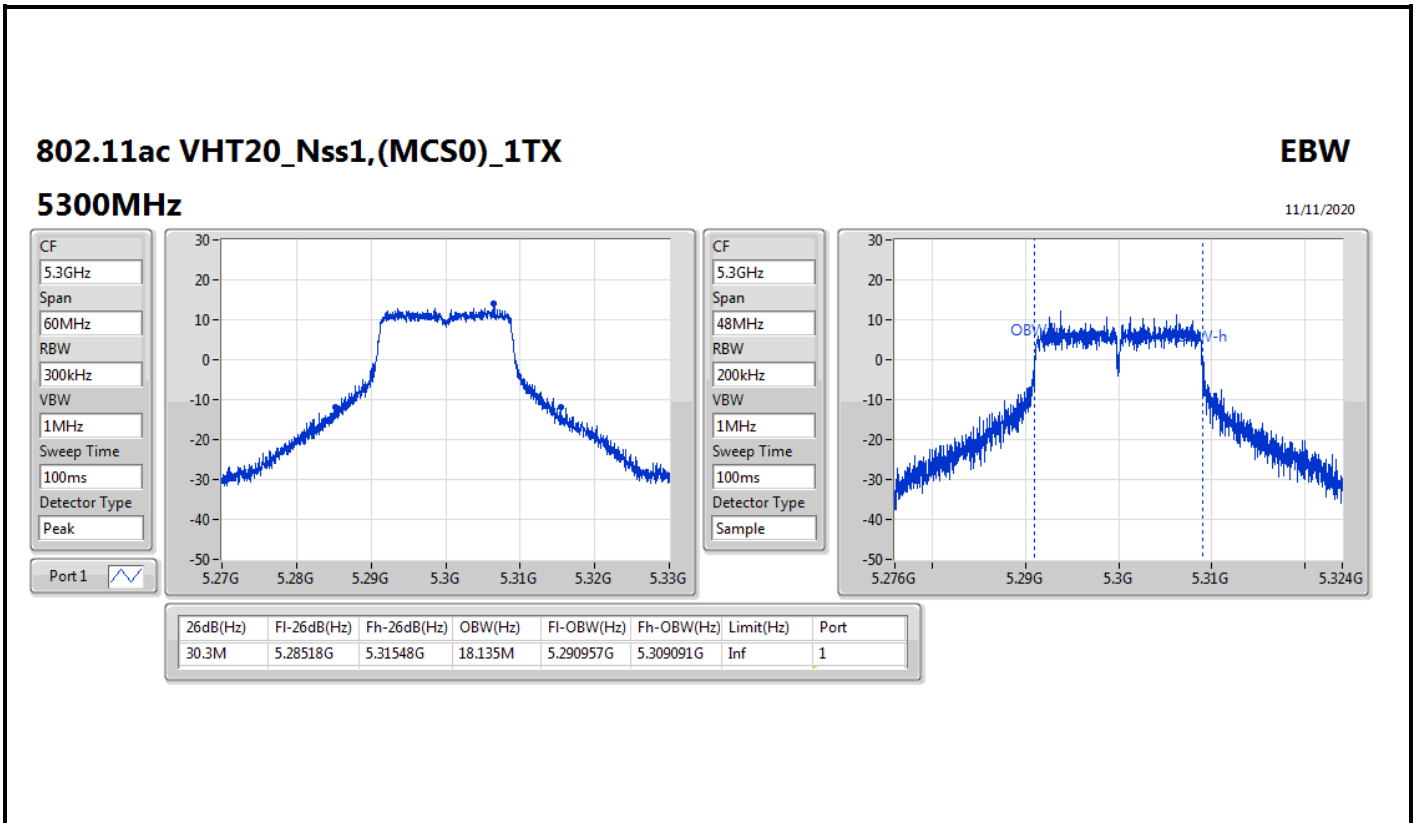


CF
5.69125GHz
Span
67.5MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.568M	5.684433G	5.725G	33.362M	5.691486G	5.724848G	Inf	1





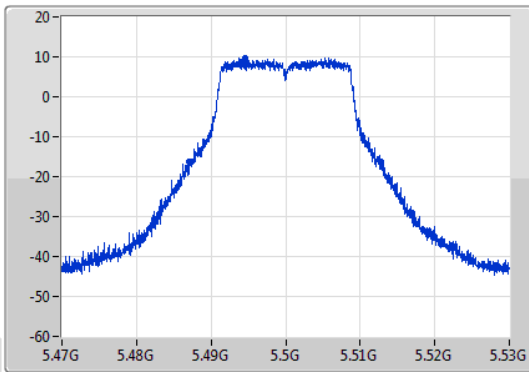
802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

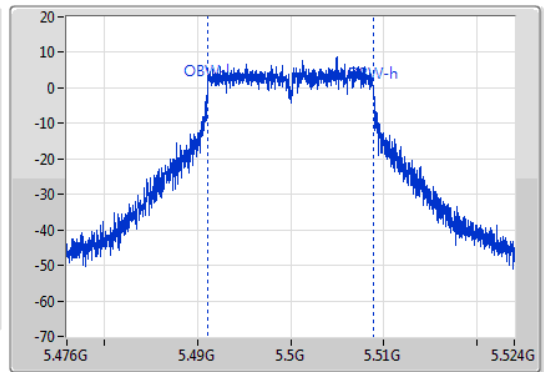
5500MHz

11/11/2020

CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



CF: 5.5GHz
 Span: 48MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.77M	5.48698G	5.51275G	17.847M	5.491052G	5.5089G	Inf	1

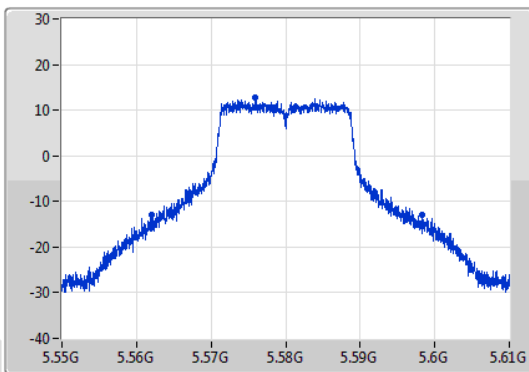
802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

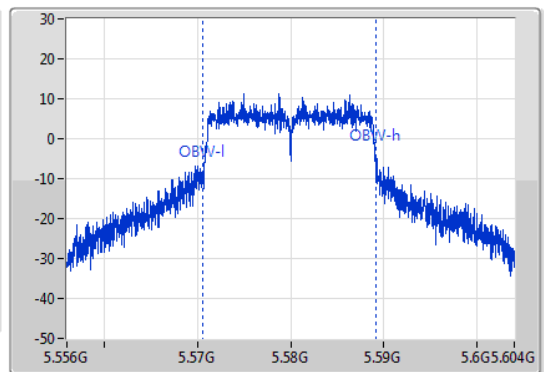
5580MHz

11/11/2020

CF: 5.58GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



CF: 5.58GHz
 Span: 48MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Sample



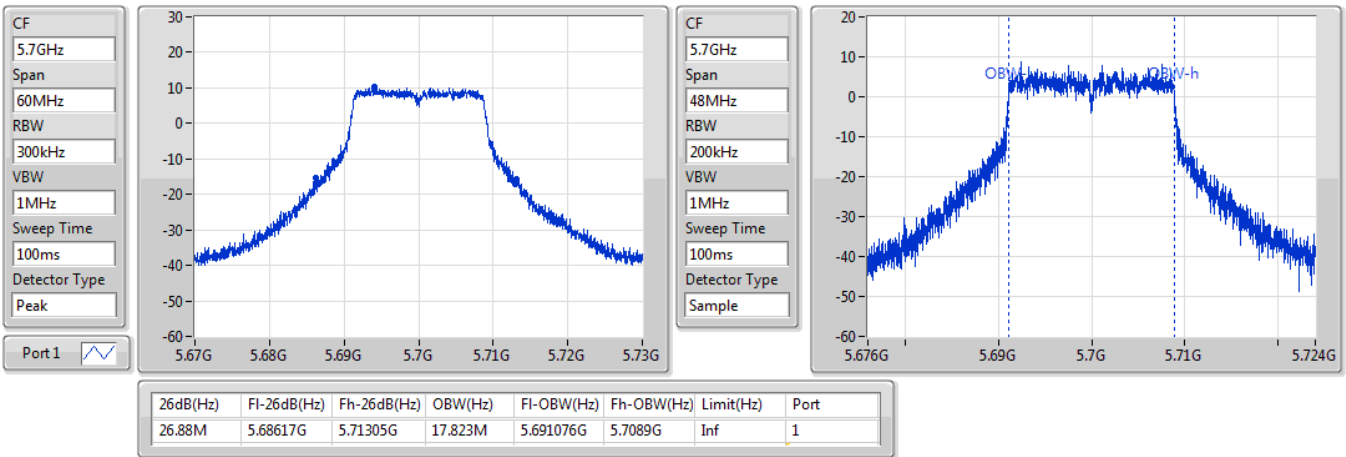
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.27M	5.56209G	5.59836G	18.519M	5.570597G	5.589115G	Inf	1

802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5700MHz

11/11/2020

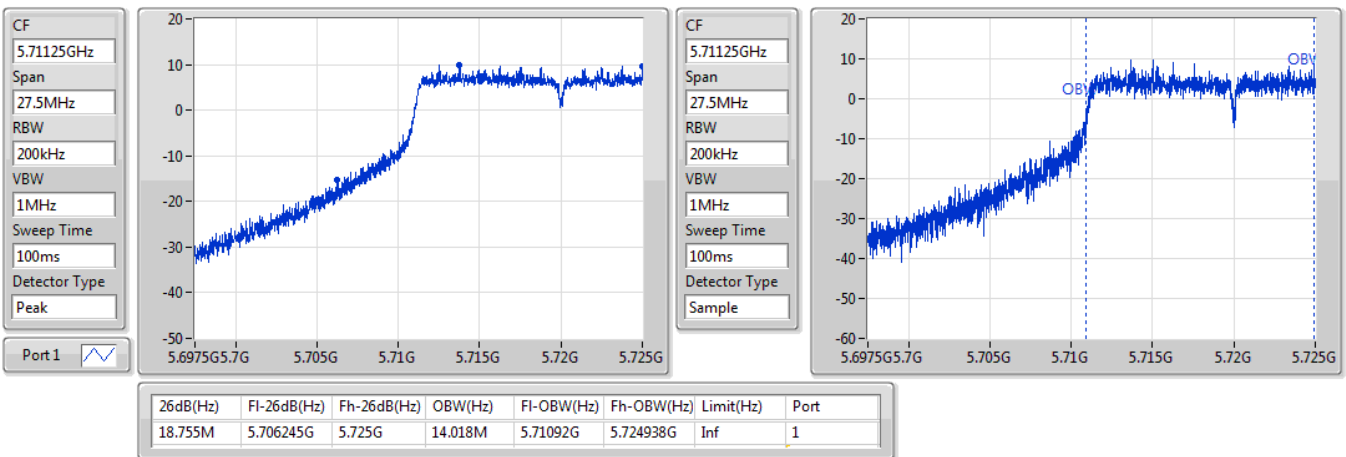


802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/11/2020

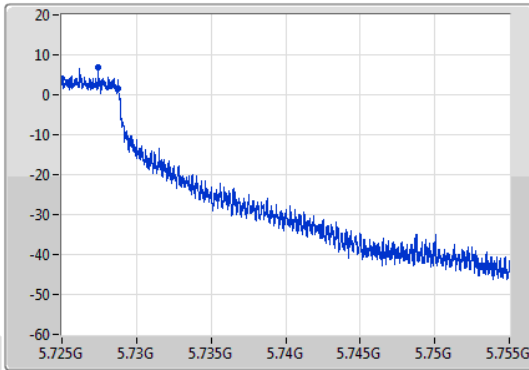


802.11ac VHT20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.725-5.85GHz

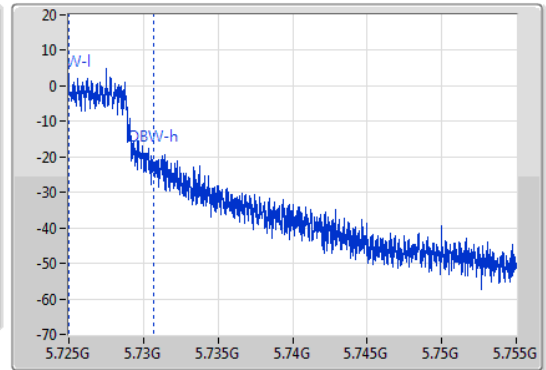
EBW

11/11/2020

CF
5.74GHz
Span
30MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.74GHz
Span
30MHz
RBW
50kHz
VBW
200kHz
Sweep Time
100ms
Detector Type
Sample



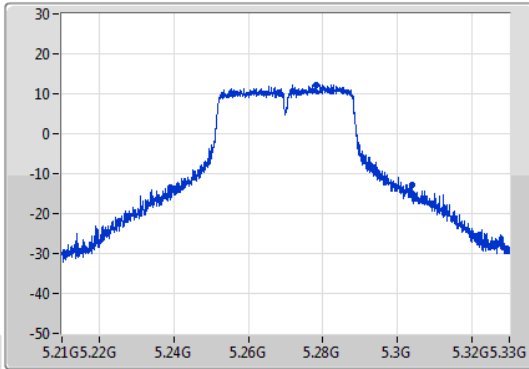
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.795M	5.725G	5.728795G	5.712M	5.725007G	5.73072G	500k	1

802.11ac VHT40_Nss1,(MCS0)_1TX
5270MHz

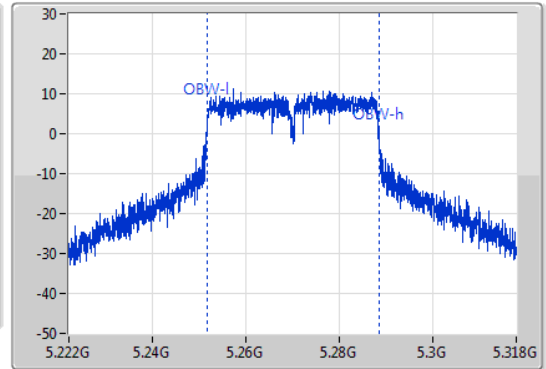
EBW

11/11/2020

CF
5.27GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.27GHz
Span
96MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
64.92M	5.23904G	5.30396G	36.798M	5.251673G	5.288471G	Inf	1

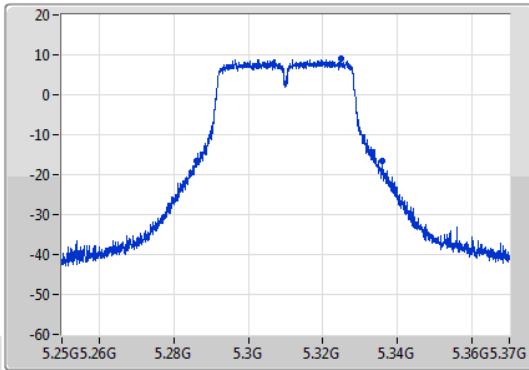
802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

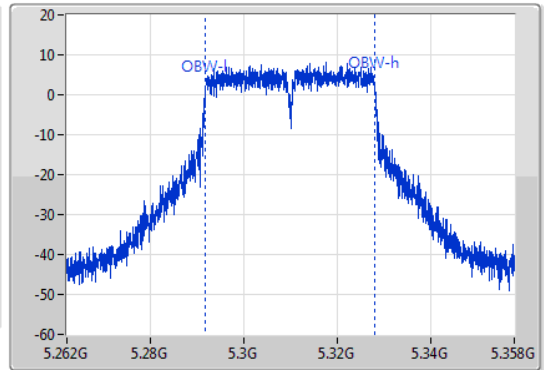
5310MHz

11/11/2020

CF
5.31GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.31GHz
Span
96MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
49.56M	5.28624G	5.3358G	36.366M	5.291769G	5.328135G	Inf	1

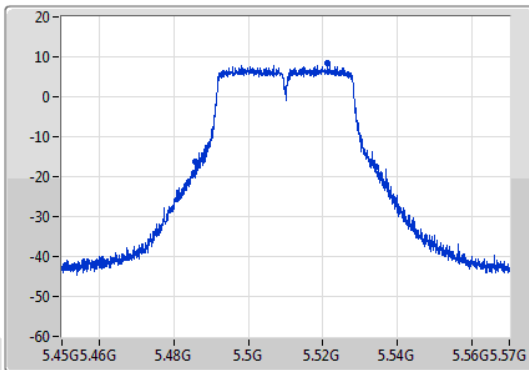
802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

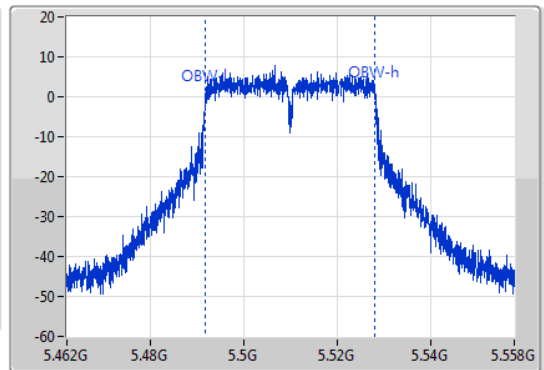
5510MHz

11/11/2020

CF
5.51GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.51GHz
Span
96MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.3M	5.48582G	5.53412G	36.414M	5.491769G	5.528183G	Inf	1

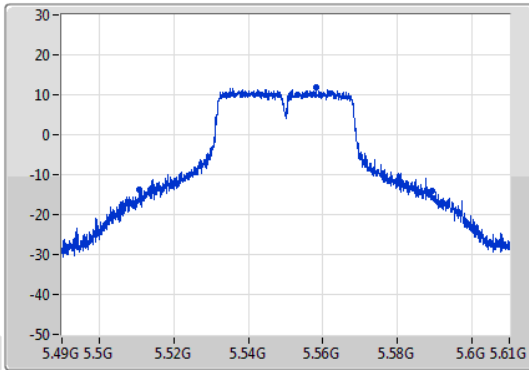
802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

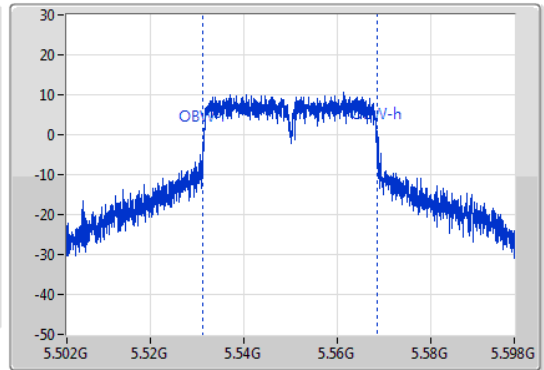
5550MHz

11/11/2020

CF: 5.55GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



CF: 5.55GHz
 Span: 96MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
78.66M	5.51064G	5.5893G	37.277M	5.531241G	5.568519G	Inf	1

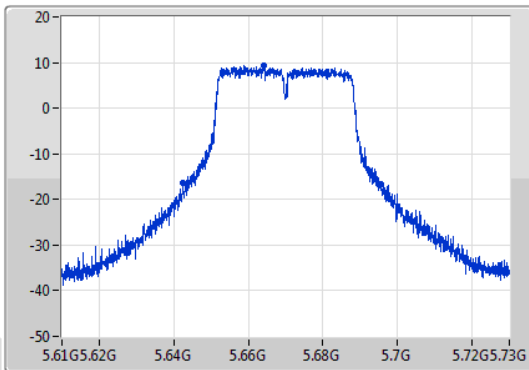
802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

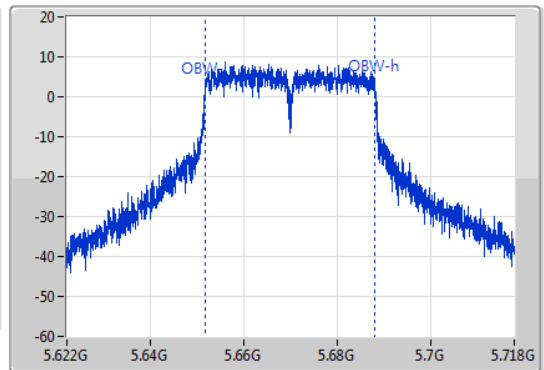
5670MHz

11/11/2020

CF: 5.67GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



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

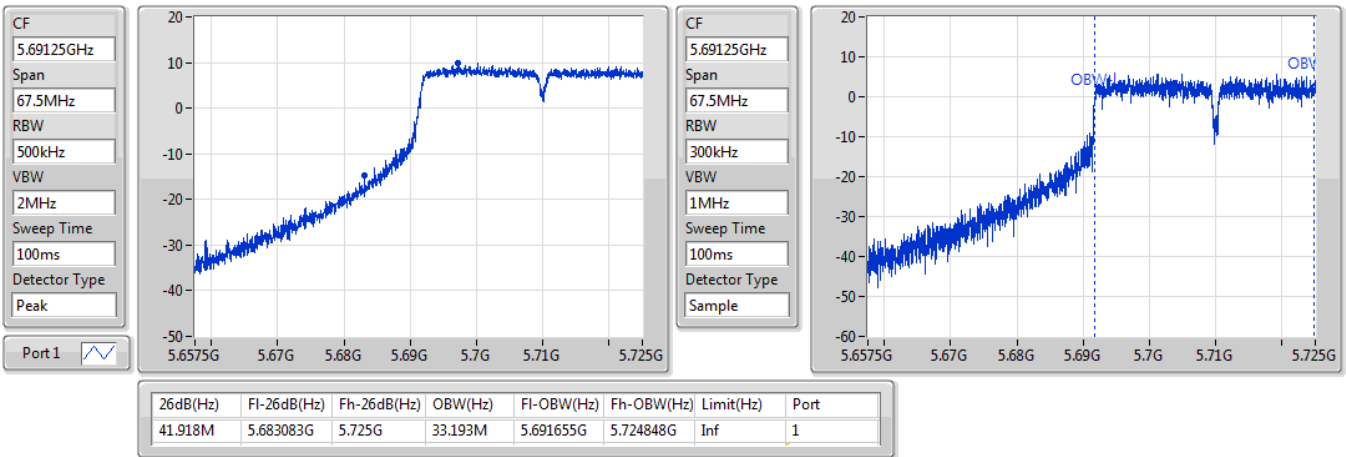


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.1M	5.64258G	5.69568G	36.462M	5.651673G	5.688135G	Inf	1

802.11ac VHT40_Nss1,(MCS0)_1TX
5710MHz Straddle 5.47-5.725GHz

EBW

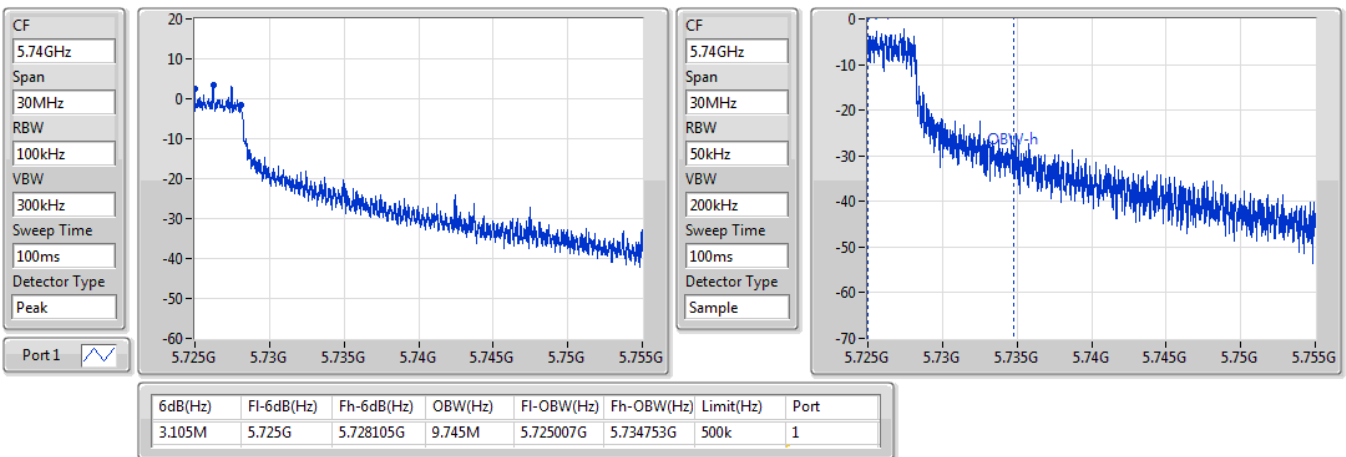
11/11/2020



802.11ac VHT40_Nss1,(MCS0)_1TX
5710MHz Straddle 5.725-5.85GHz

EBW

11/11/2020



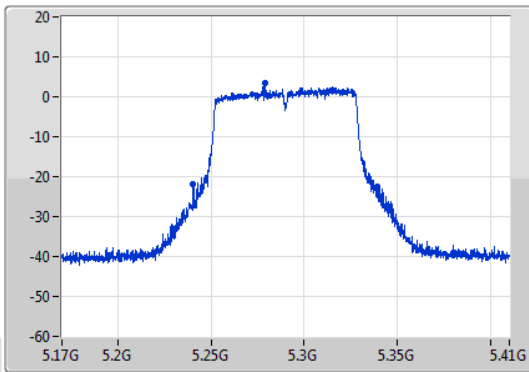
802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

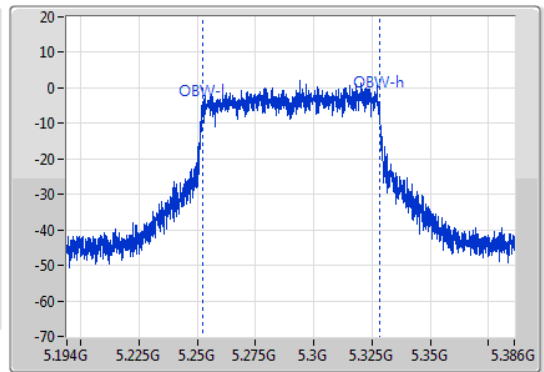
5290MHz

11/11/2020

CF: 5.29GHz
 Span: 240MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



CF: 5.29GHz
 Span: 192MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
98.88M	5.24032G	5.3392G	75.994M	5.252099G	5.328093G	Inf	1

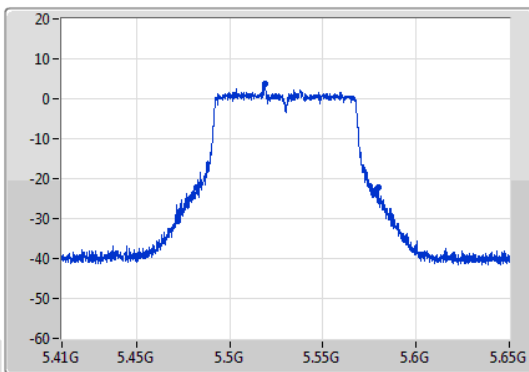
802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

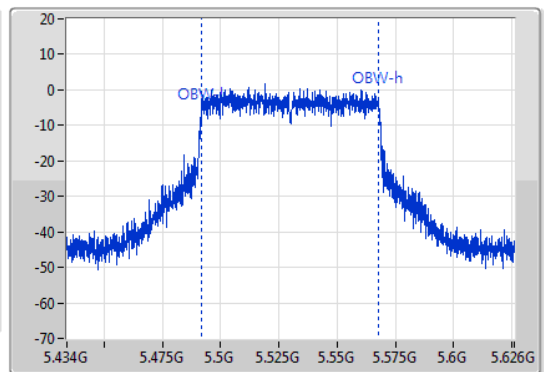
5530MHz

11/11/2020

CF: 5.53GHz
 Span: 240MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1



CF: 5.53GHz
 Span: 192MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Sample



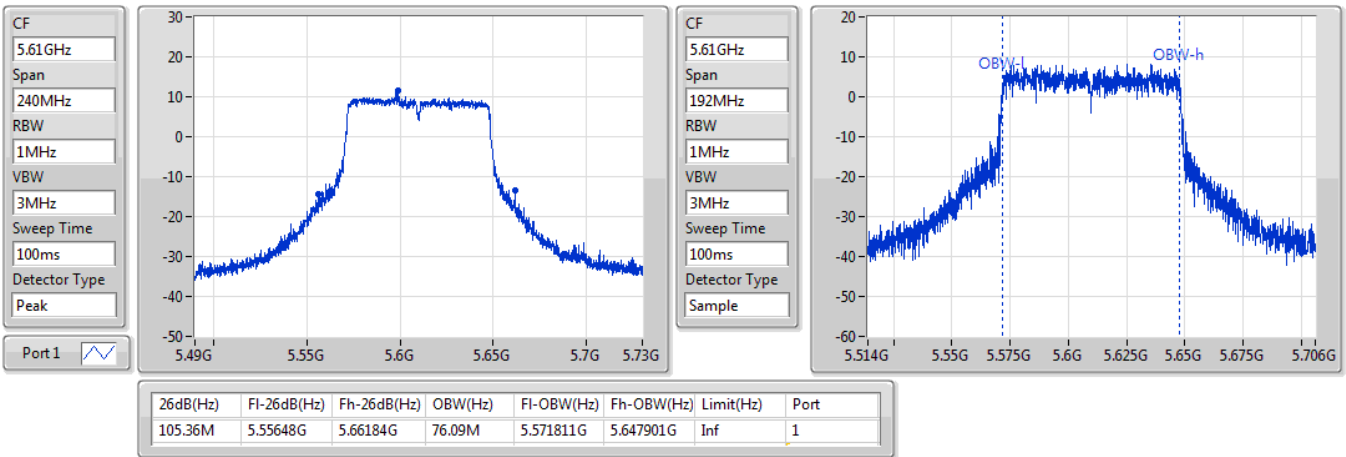
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
97.32M	5.48236G	5.57968G	75.994M	5.491907G	5.567901G	Inf	1

802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5610MHz

11/11/2020

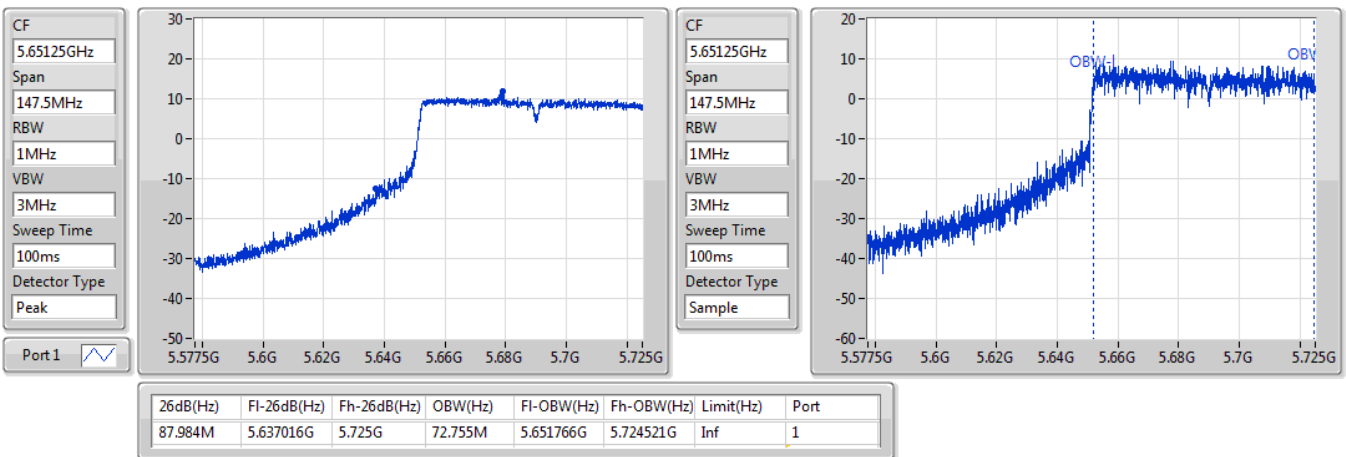


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

11/11/2020

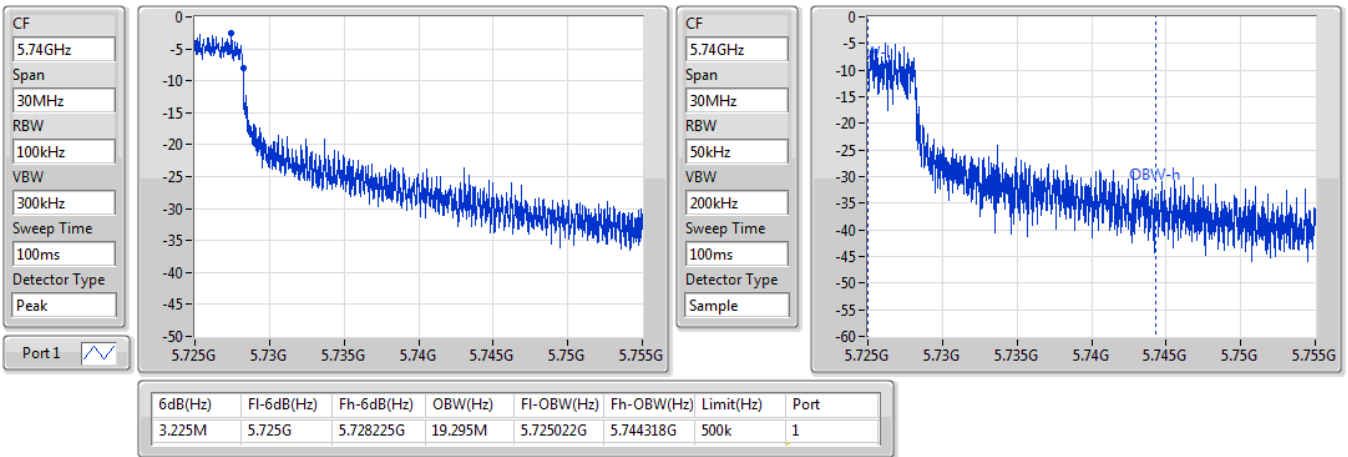


802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/11/2020





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.48	0.14060	25.83	0.38282
802.11n HT20_Nss1,(MCS0)_2TX	22.56	0.18030	26.91	0.49091
802.11n HT40_Nss1,(MCS0)_2TX	23.67	0.23281	28.02	0.63387
802.11ac VHT20_Nss1,(MCS0)_2TX	22.60	0.18197	26.95	0.49545
802.11ac VHT40_Nss1,(MCS0)_2TX	23.68	0.23335	28.03	0.63533
802.11ac VHT80_Nss1,(MCS0)_2TX	22.31	0.17022	26.66	0.46345
802.11ax HEW20_Nss1,(MCS0)_2TX	22.88	0.19409	27.23	0.52845
802.11ax HEW40_Nss1,(MCS0)_2TX	23.72	0.23550	28.07	0.64121
802.11ax HEW80_Nss1,(MCS0)_2TX	22.34	0.17140	26.69	0.46666
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.08	0.16144	26.43	0.43954
802.11n HT20_Nss1,(MCS0)_2TX	22.42	0.17458	26.77	0.47534
802.11n HT40_Nss1,(MCS0)_2TX	23.71	0.23496	28.06	0.63973
802.11ac VHT20_Nss1,(MCS0)_2TX	22.45	0.17579	26.80	0.47863
802.11ac VHT40_Nss1,(MCS0)_2TX	23.76	0.23768	28.11	0.64714
802.11ac VHT80_Nss1,(MCS0)_2TX	23.68	0.23335	28.03	0.63533
802.11ax HEW20_Nss1,(MCS0)_2TX	22.68	0.18535	27.03	0.50466
802.11ax HEW40_Nss1,(MCS0)_2TX	23.81	0.24044	28.16	0.65464
802.11ax HEW80_Nss1,(MCS0)_2TX	23.86	0.24322	28.21	0.66222
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	14.73	0.02972	19.08	0.08091
802.11n HT20_Nss1,(MCS0)_2TX	15.29	0.03381	19.64	0.09204
802.11n HT40_Nss1,(MCS0)_2TX	11.82	0.01521	16.17	0.04140
802.11ac VHT20_Nss1,(MCS0)_2TX	15.41	0.03475	19.76	0.09462
802.11ac VHT40_Nss1,(MCS0)_2TX	12.26	0.01683	16.61	0.04581
802.11ac VHT80_Nss1,(MCS0)_2TX	7.75	0.00596	12.10	0.01622
802.11ax HEW20_Nss1,(MCS0)_2TX	15.90	0.03890	20.25	0.10593
802.11ax HEW40_Nss1,(MCS0)_2TX	13.12	0.02051	17.47	0.05585
802.11ax HEW80_Nss1,(MCS0)_2TX	8.35	0.00684	12.70	0.01862



Average Power_Non-Beamforming_Radio 1

Appendix B.1

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	4.35	17.31	18.30	20.84	23.76	25.19	29.76
5300MHz	Pass	4.35	17.83	18.62	21.25	23.74	25.60	29.74
5320MHz	Pass	4.35	17.99	18.91	21.48	23.86	25.83	29.86
5500MHz	Pass	4.35	18.11	19.85	22.08	23.98	26.43	30.00
5580MHz	Pass	4.35	17.29	19.39	21.48	23.98	25.83	29.98
5700MHz	Pass	4.35	17.78	19.52	21.75	23.98	26.10	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.35	17.70	18.57	21.17	22.81	25.52	28.81
5720MHz Straddle 5.725-5.85GHz	Pass	4.35	11.34	12.07	14.73	30.00	19.08	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.35	18.60	19.34	22.00	23.98	26.35	30.00
5300MHz	Pass	4.35	18.59	19.48	22.07	23.98	26.42	30.00
5320MHz	Pass	4.35	19.11	19.94	22.56	23.98	26.91	30.00
5500MHz	Pass	4.35	18.46	20.19	22.42	23.98	26.77	30.00
5580MHz	Pass	4.35	18.04	19.74	21.98	23.98	26.33	30.00
5700MHz	Pass	4.35	18.22	20.07	22.25	23.98	26.60	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.35	17.76	18.42	21.11	22.93	25.46	28.93
5720MHz Straddle 5.725-5.85GHz	Pass	4.35	11.83	12.68	15.29	30.00	19.64	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.35	20.17	21.10	23.67	23.98	28.02	30.00
5310MHz	Pass	4.35	19.57	21.19	23.47	23.98	27.82	30.00
5510MHz	Pass	4.35	19.74	21.33	23.62	23.98	27.97	30.00
5550MHz	Pass	4.35	19.77	21.46	23.71	23.98	28.06	30.00
5670MHz	Pass	4.35	19.23	21.40	23.46	23.98	27.81	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.35	19.56	20.99	23.34	23.98	27.69	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.35	8.01	9.49	11.82	30.00	16.17	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.35	18.47	19.62	22.09	23.98	26.44	30.00
5300MHz	Pass	4.35	19.03	19.78	22.43	23.98	26.78	30.00
5320MHz	Pass	4.35	19.11	20.03	22.60	23.98	26.95	30.00
5500MHz	Pass	4.35	18.56	20.17	22.45	23.98	26.80	30.00
5580MHz	Pass	4.35	18.13	20.02	22.19	23.98	26.54	30.00
5700MHz	Pass	4.35	18.21	20.12	22.28	23.98	26.63	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.35	17.95	18.72	21.36	22.84	25.71	28.84
5720MHz Straddle 5.725-5.85GHz	Pass	4.35	12.07	12.70	15.41	30.00	19.76	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.35	20.06	21.21	23.68	23.98	28.03	30.00
5310MHz	Pass	4.35	20.06	20.96	23.54	23.98	27.89	30.00
5510MHz	Pass	4.35	20.09	21.24	23.71	23.98	28.06	30.00
5550MHz	Pass	4.35	20.06	21.35	23.76	23.98	28.11	30.00
5670MHz	Pass	4.35	19.72	21.30	23.59	23.98	27.94	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.35	20.01	21.19	23.65	23.98	28.00	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.35	8.72	9.72	12.26	30.00	16.61	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.35	18.83	19.72	22.31	23.98	26.66	30.00
5530MHz	Pass	4.35	19.20	20.32	22.81	23.98	27.16	30.00
5610MHz	Pass	4.35	19.42	21.64	23.68	23.98	28.03	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.35	19.33	21.54	23.58	23.98	27.93	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.35	3.53	5.68	7.75	30.00	12.10	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.35	19.25	19.84	22.57	23.98	26.92	30.00
5300MHz	Pass	4.35	19.30	20.06	22.71	23.98	27.06	30.00
5320MHz	Pass	4.35	19.39	20.30	22.88	23.98	27.23	30.00
5500MHz	Pass	4.35	18.74	20.44	22.68	23.98	27.03	30.00
5580MHz	Pass	4.35	18.22	20.39	22.45	23.98	26.80	30.00

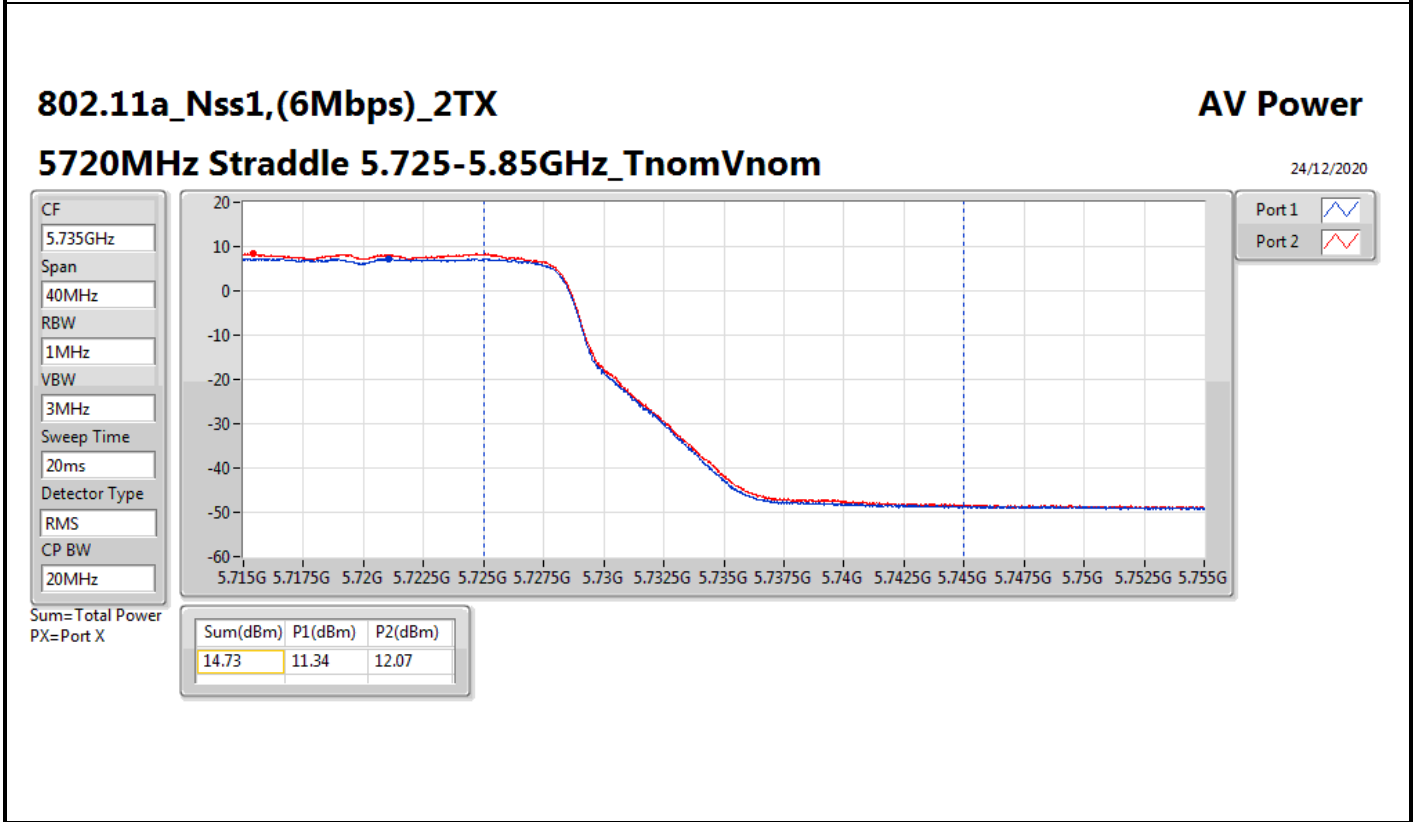
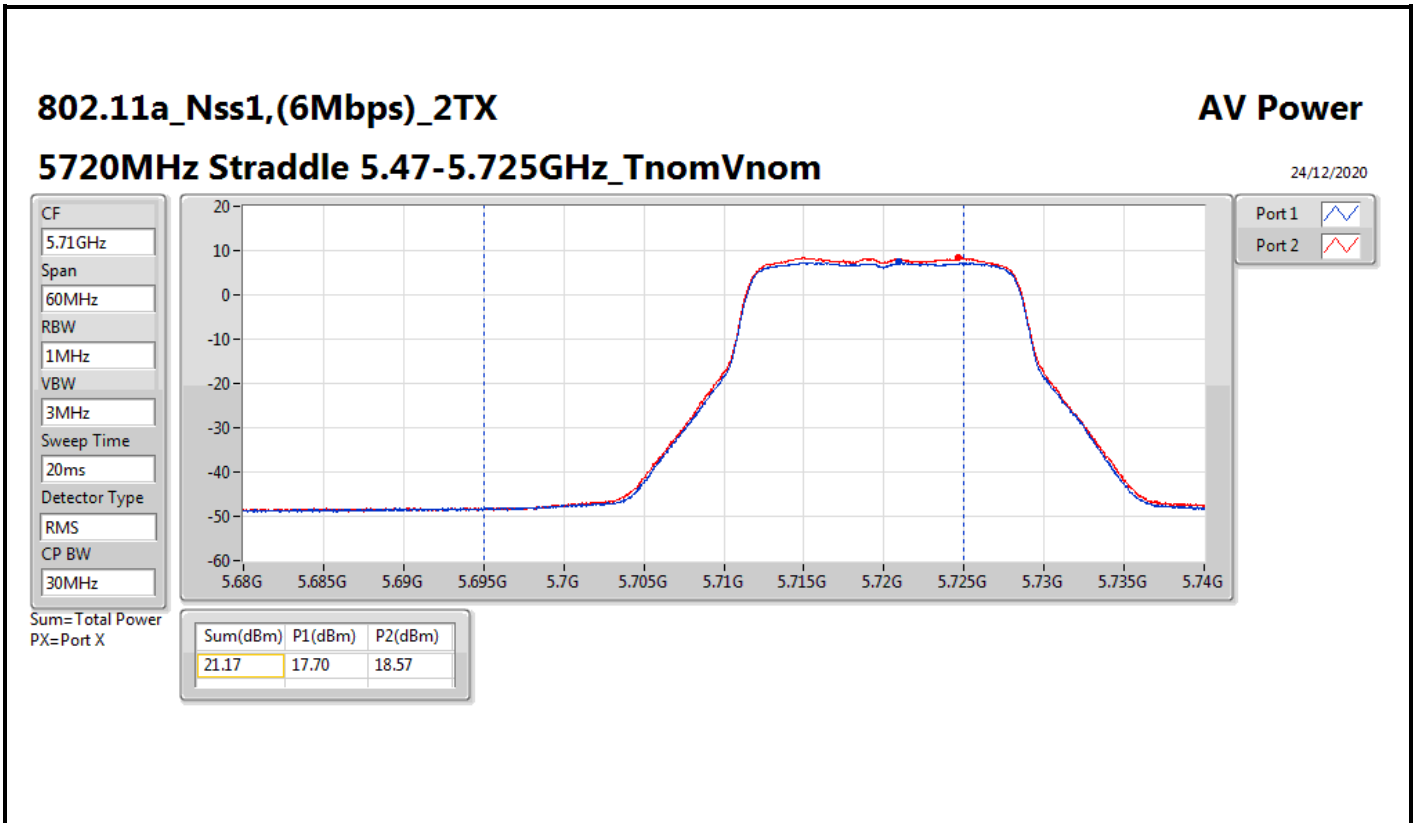


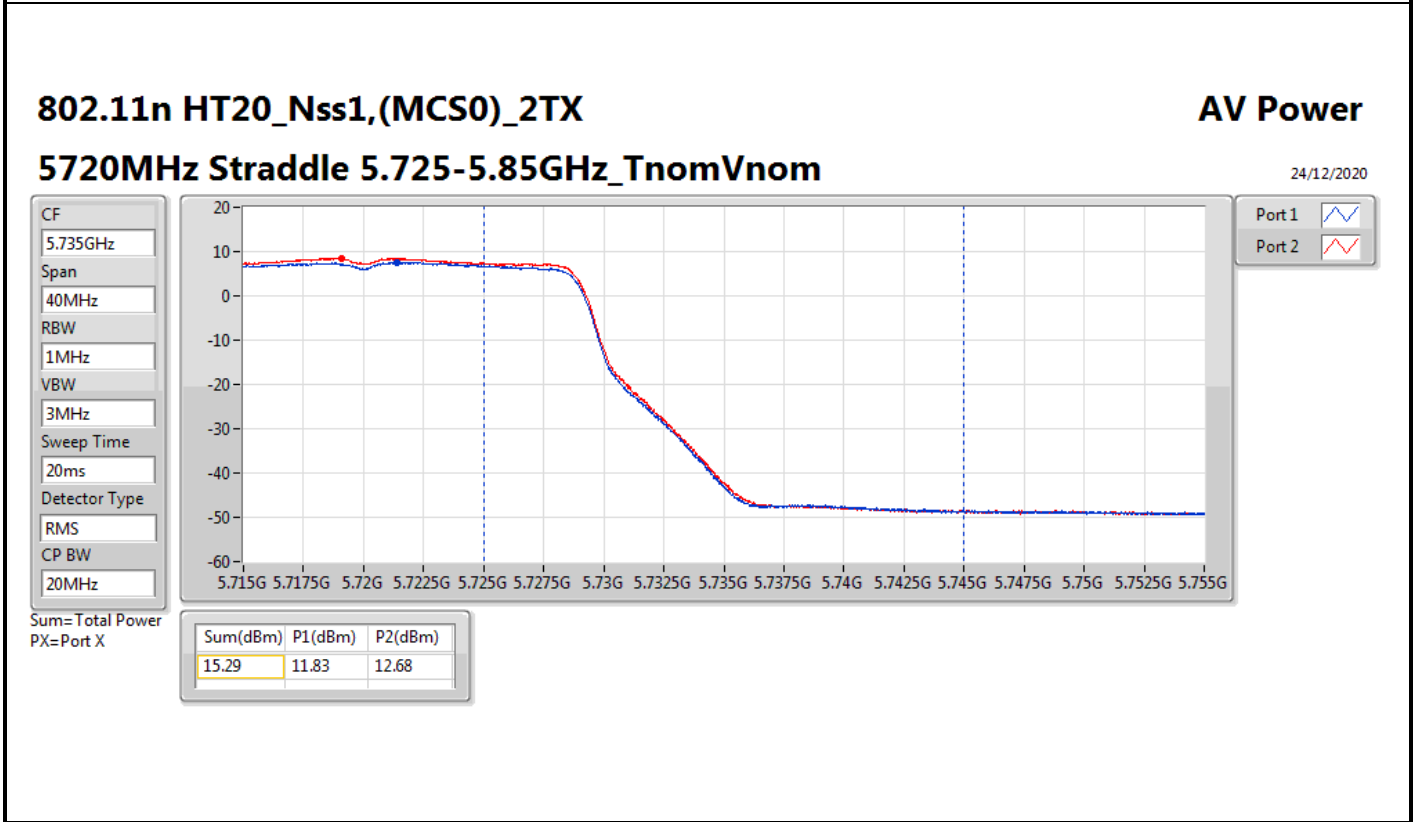
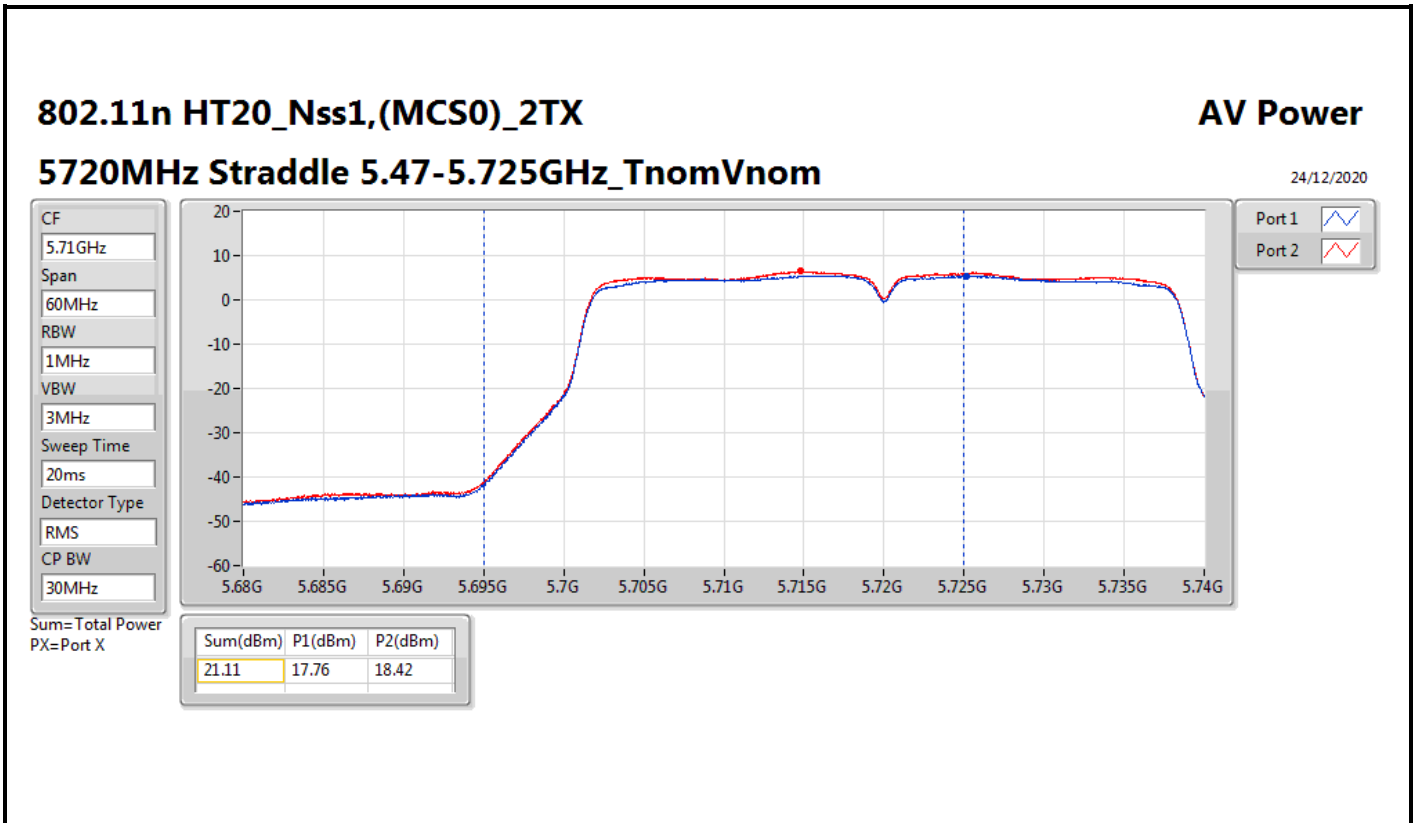
Average Power_Non-Beamforming_Radio 1

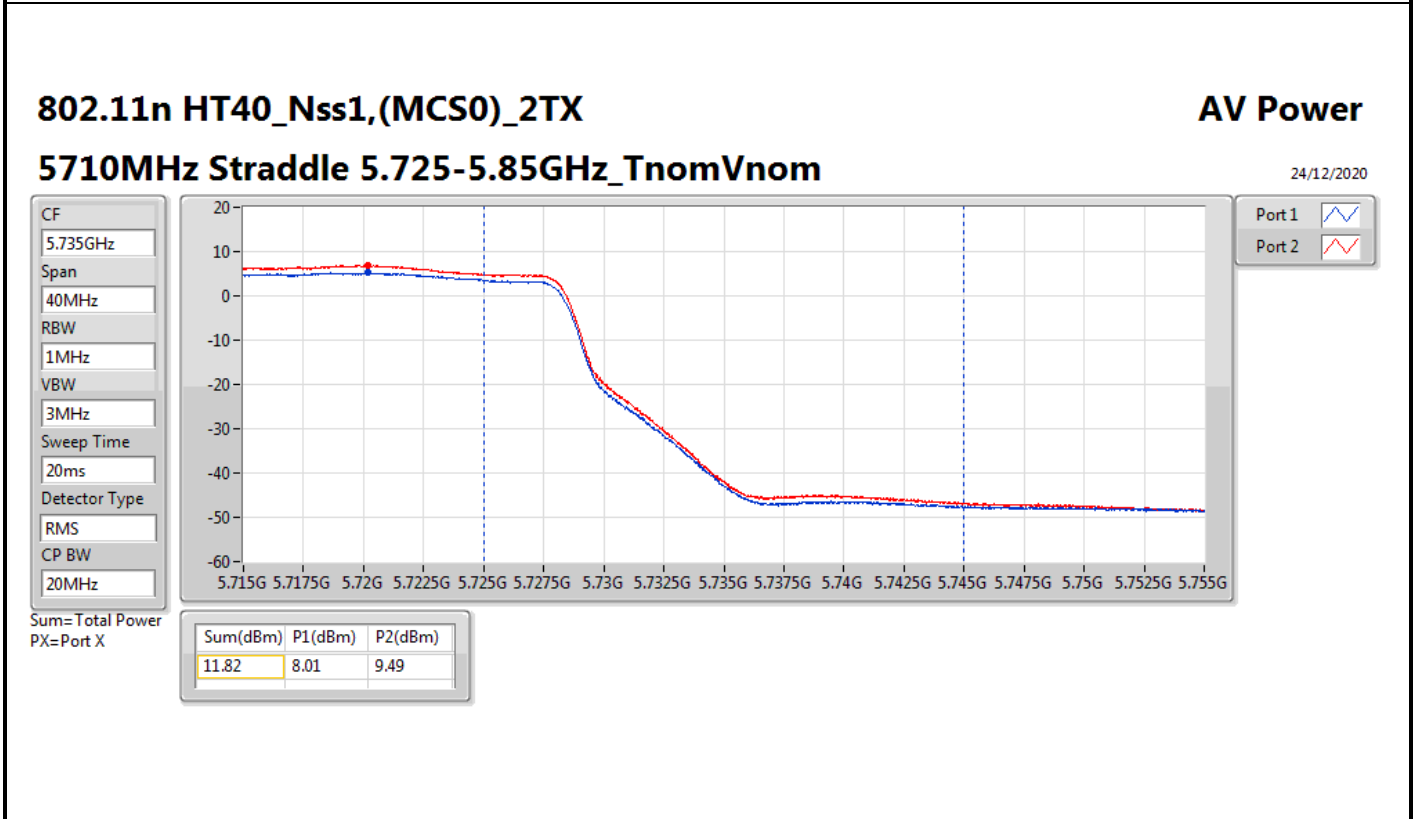
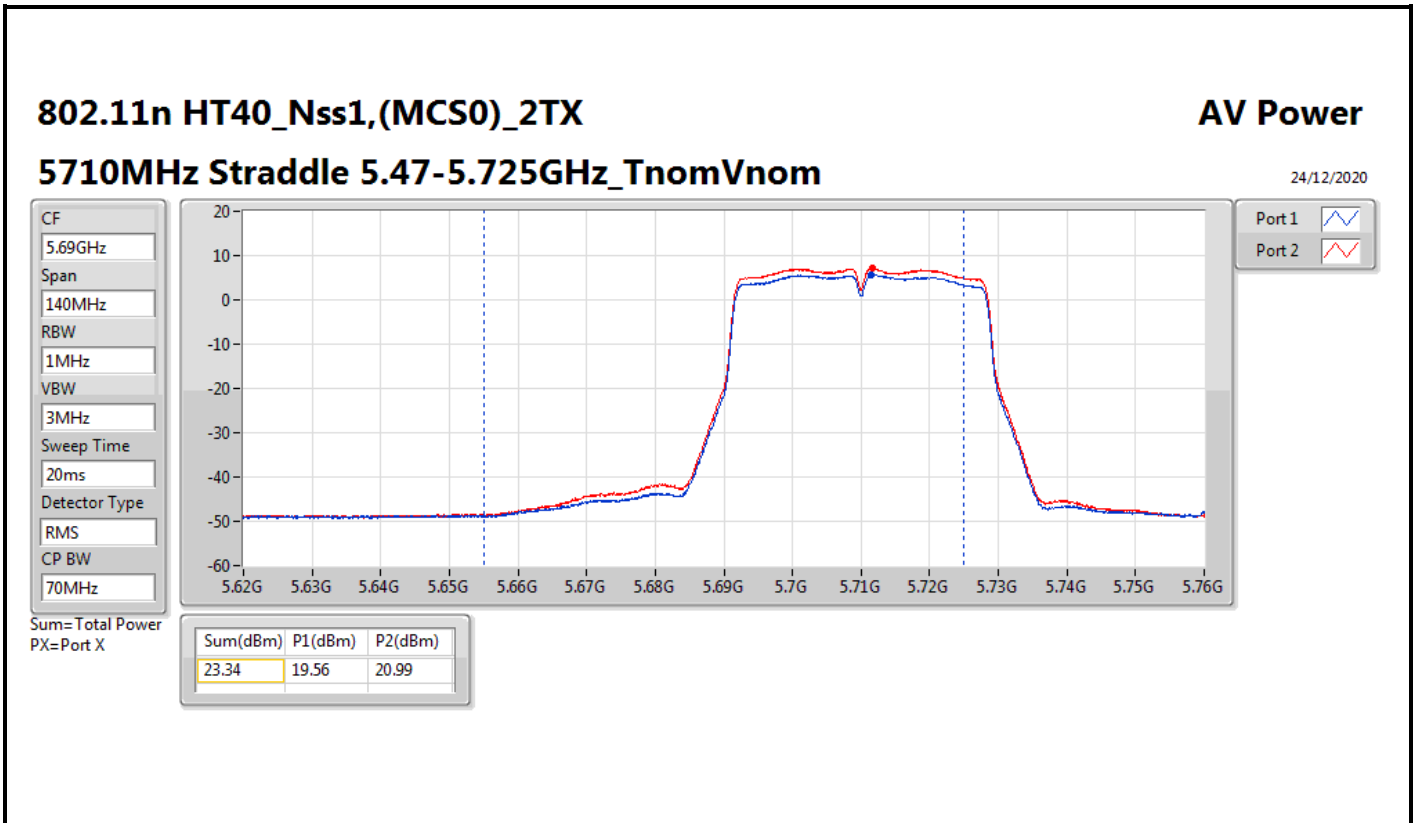
Appendix B.1

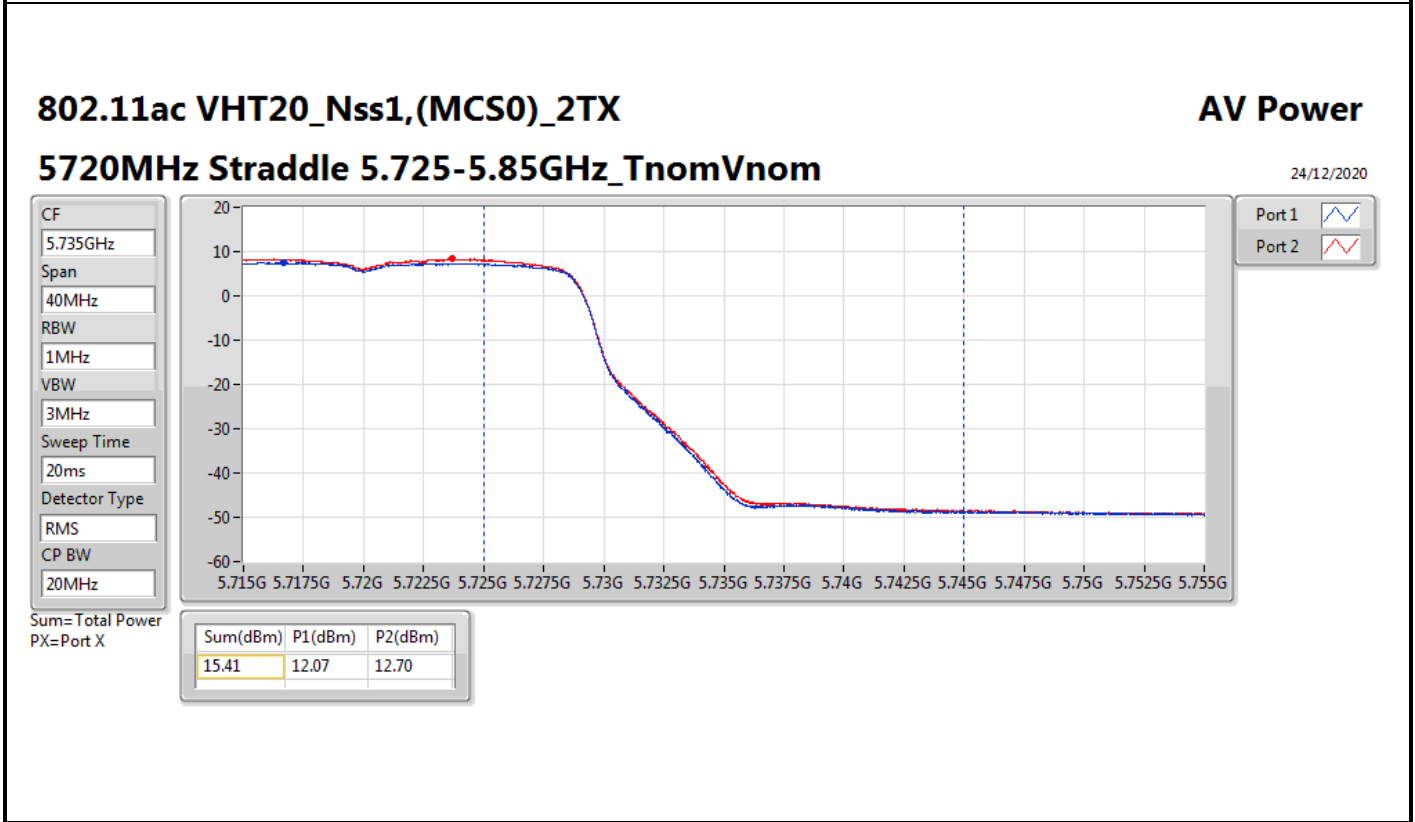
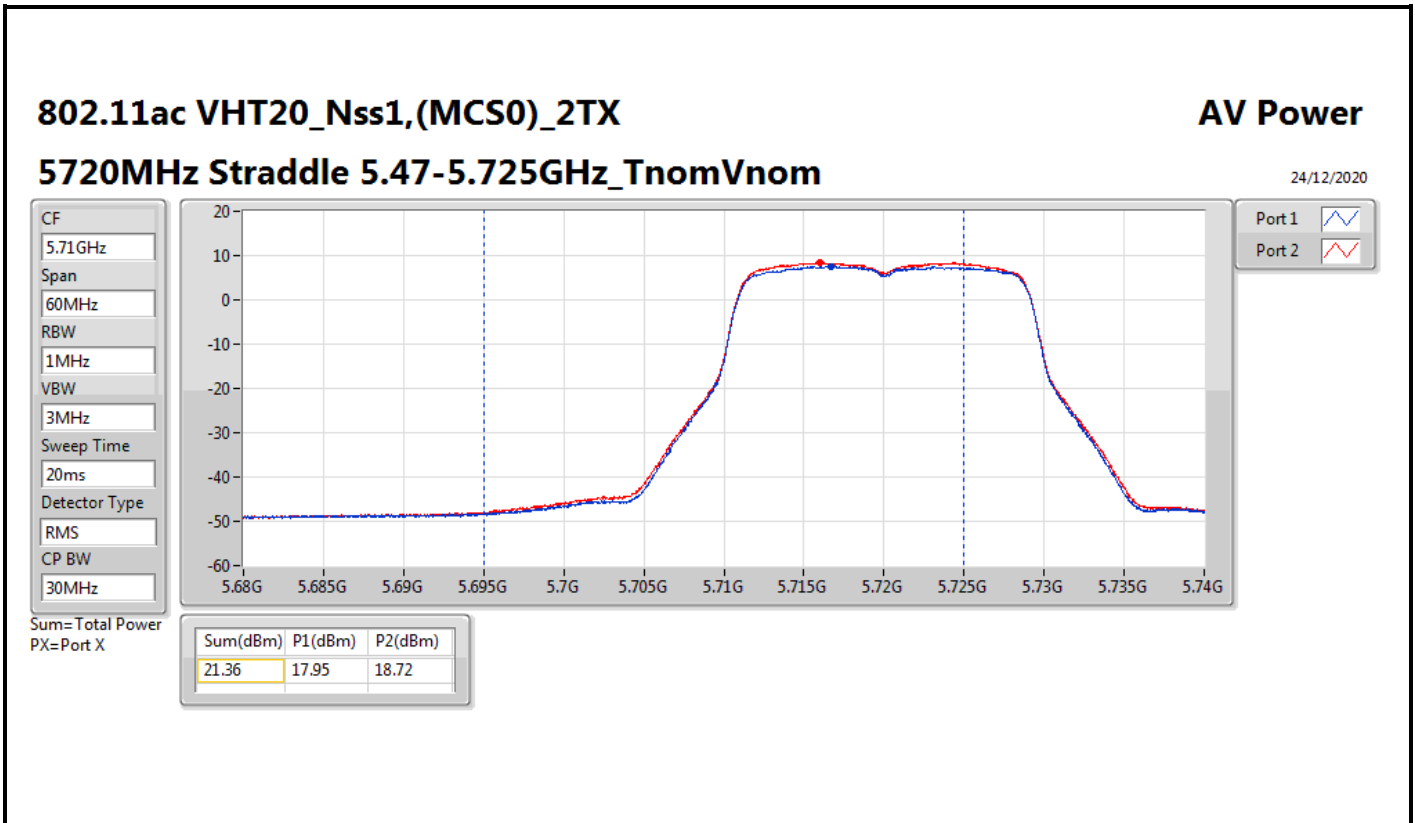
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5700MHz	Pass	4.35	18.19	20.15	22.29	23.98	26.64	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.35	18.14	18.95	21.57	22.94	25.92	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	4.35	12.37	13.36	15.90	30.00	20.25	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.35	20.24	21.14	23.72	23.98	28.07	30.00
5310MHz	Pass	4.35	20.11	21.05	23.62	23.98	27.97	30.00
5510MHz	Pass	4.35	19.91	21.54	23.81	23.98	28.16	30.00
5550MHz	Pass	4.35	20.03	21.45	23.81	23.98	28.16	30.00
5670MHz	Pass	4.35	19.41	21.58	23.64	23.98	27.99	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.35	20.01	21.20	23.66	23.98	28.01	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.35	9.41	10.72	13.12	30.00	17.47	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.35	18.96	19.67	22.34	23.98	26.69	30.00
5530MHz	Pass	4.35	19.05	20.45	22.82	23.98	27.17	30.00
5610MHz	Pass	4.35	19.46	21.63	23.69	23.98	28.04	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.35	19.62	21.80	23.86	23.98	28.21	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.35	4.17	6.26	8.35	30.00	12.70	36.00

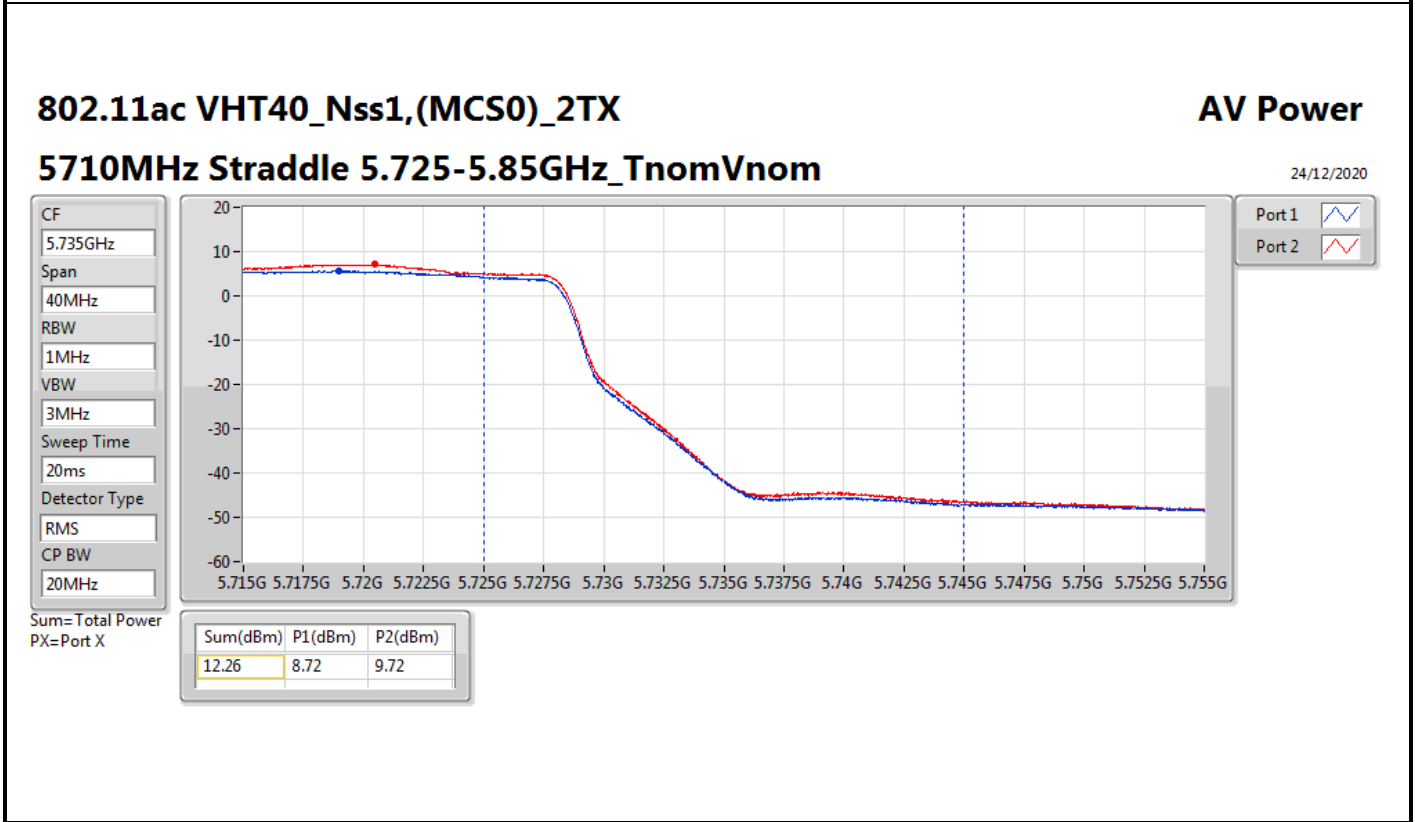
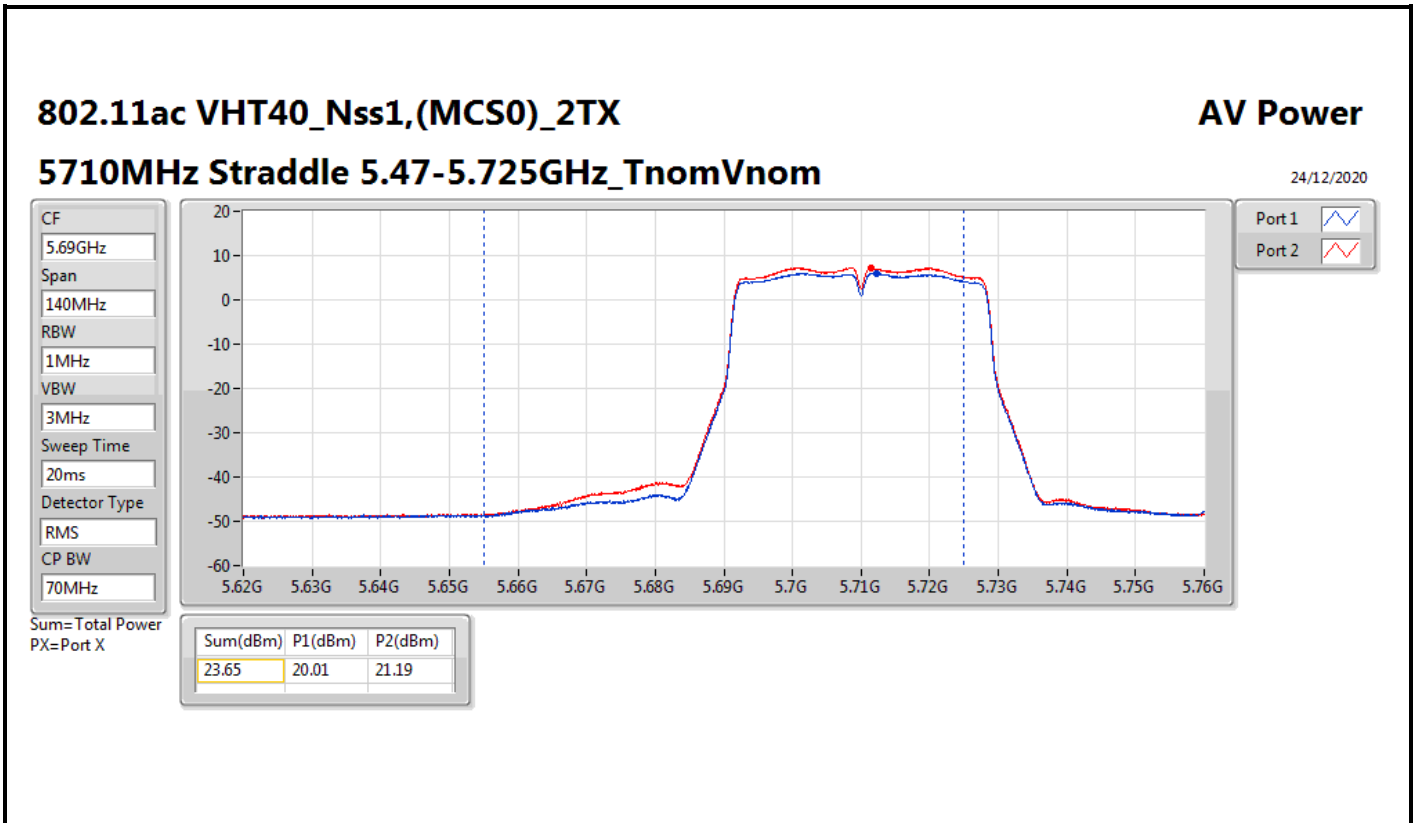
DG = Directional Gain; Port X = Port X output power











802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

24/12/2020

CF
5.65GHz

Span
300MHz

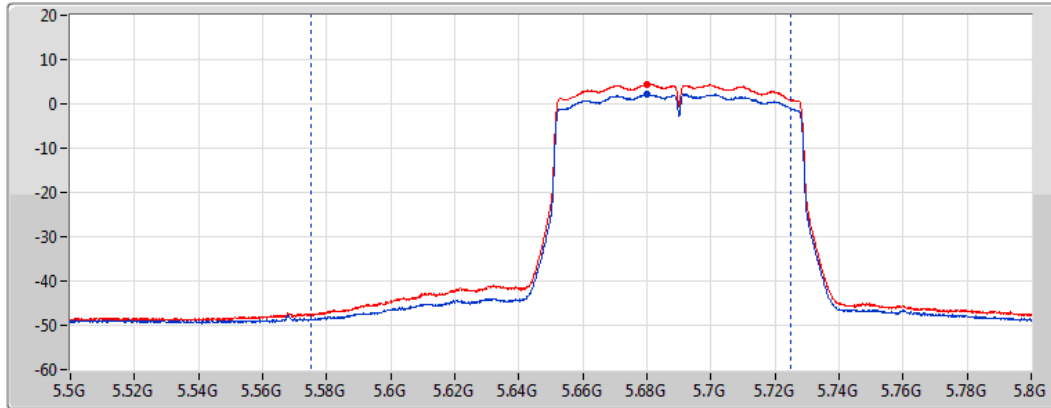
RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS

CP BW
150MHz



Port 1 

Port 2 

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.58	19.33	21.54

802.11ac VHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

24/12/2020

CF
5.735GHz

Span
40MHz

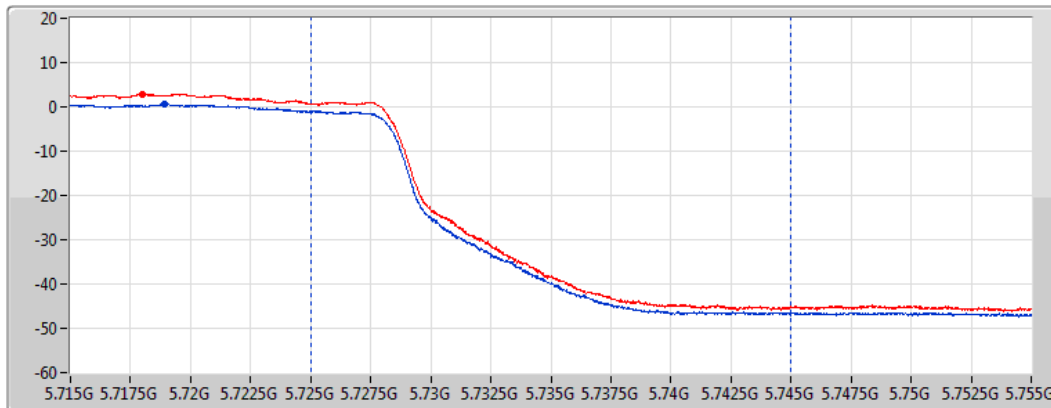
RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS

CP BW
20MHz

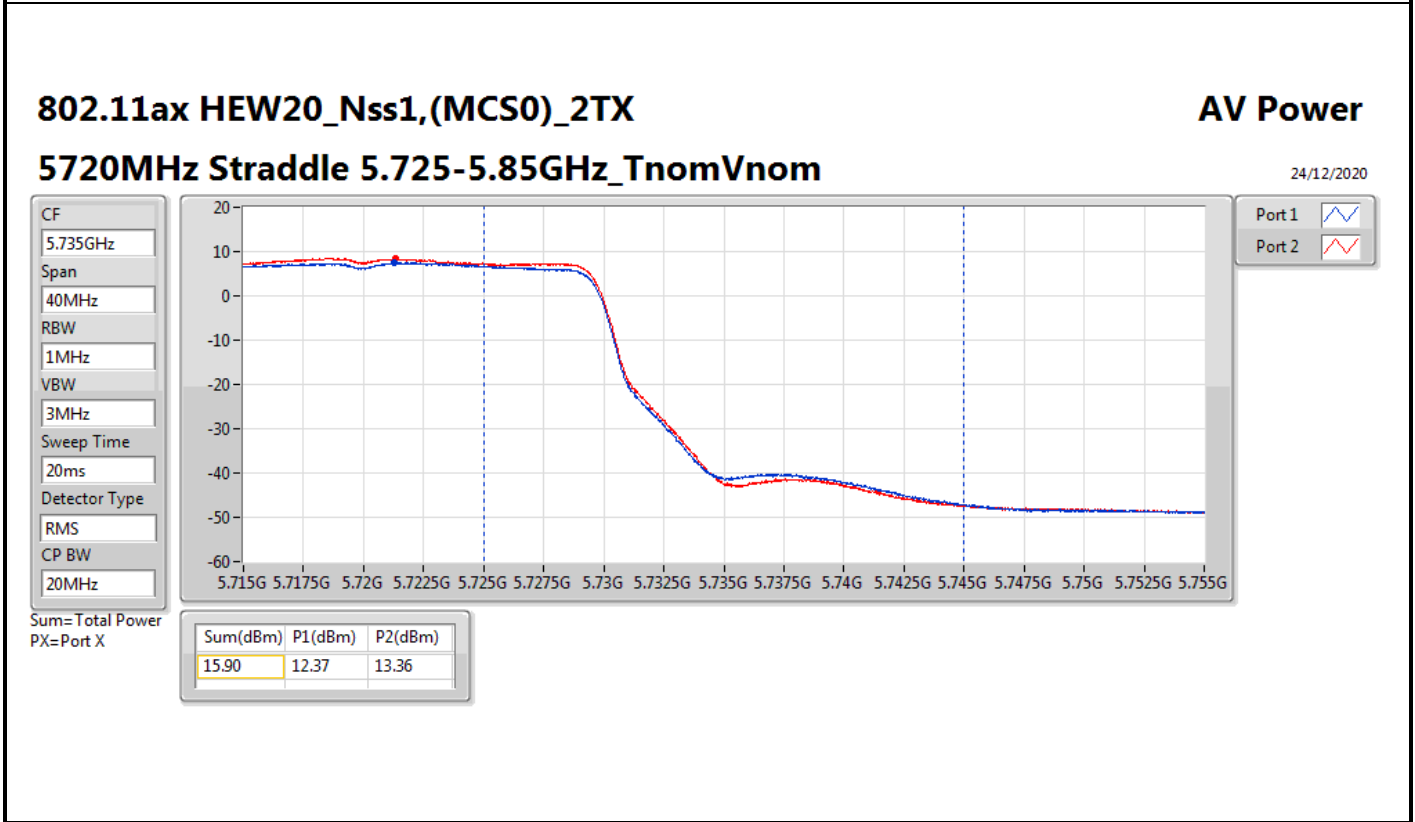
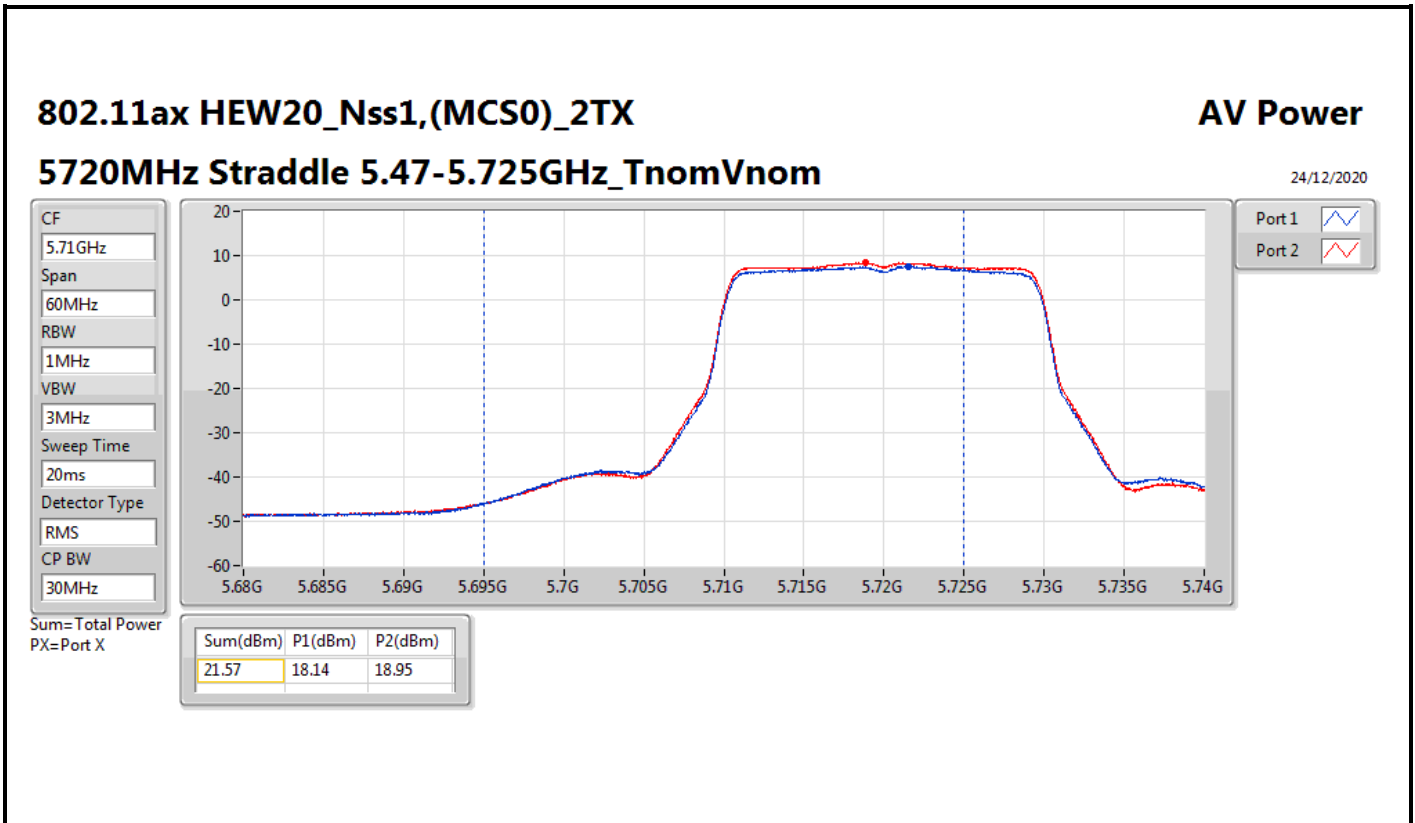


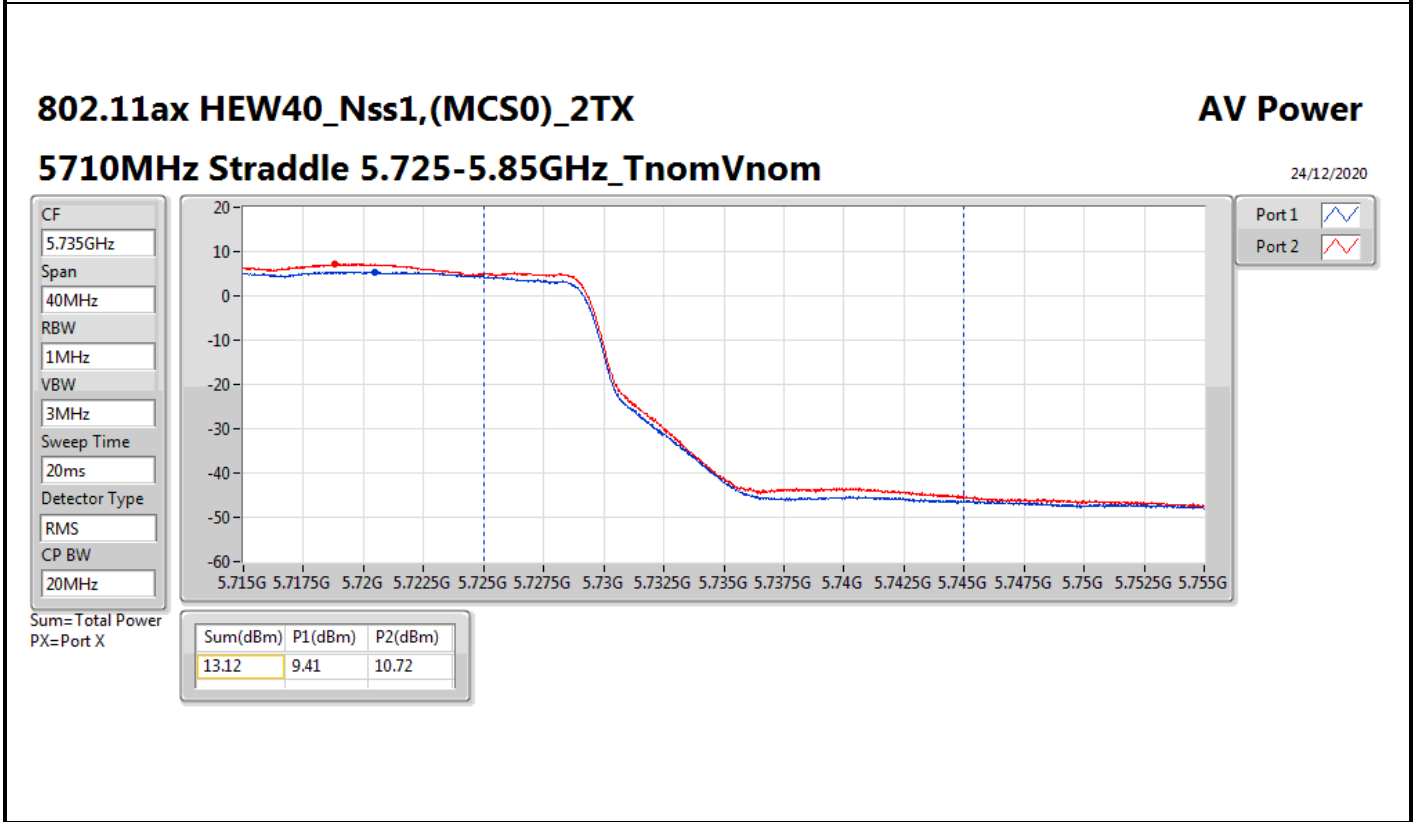
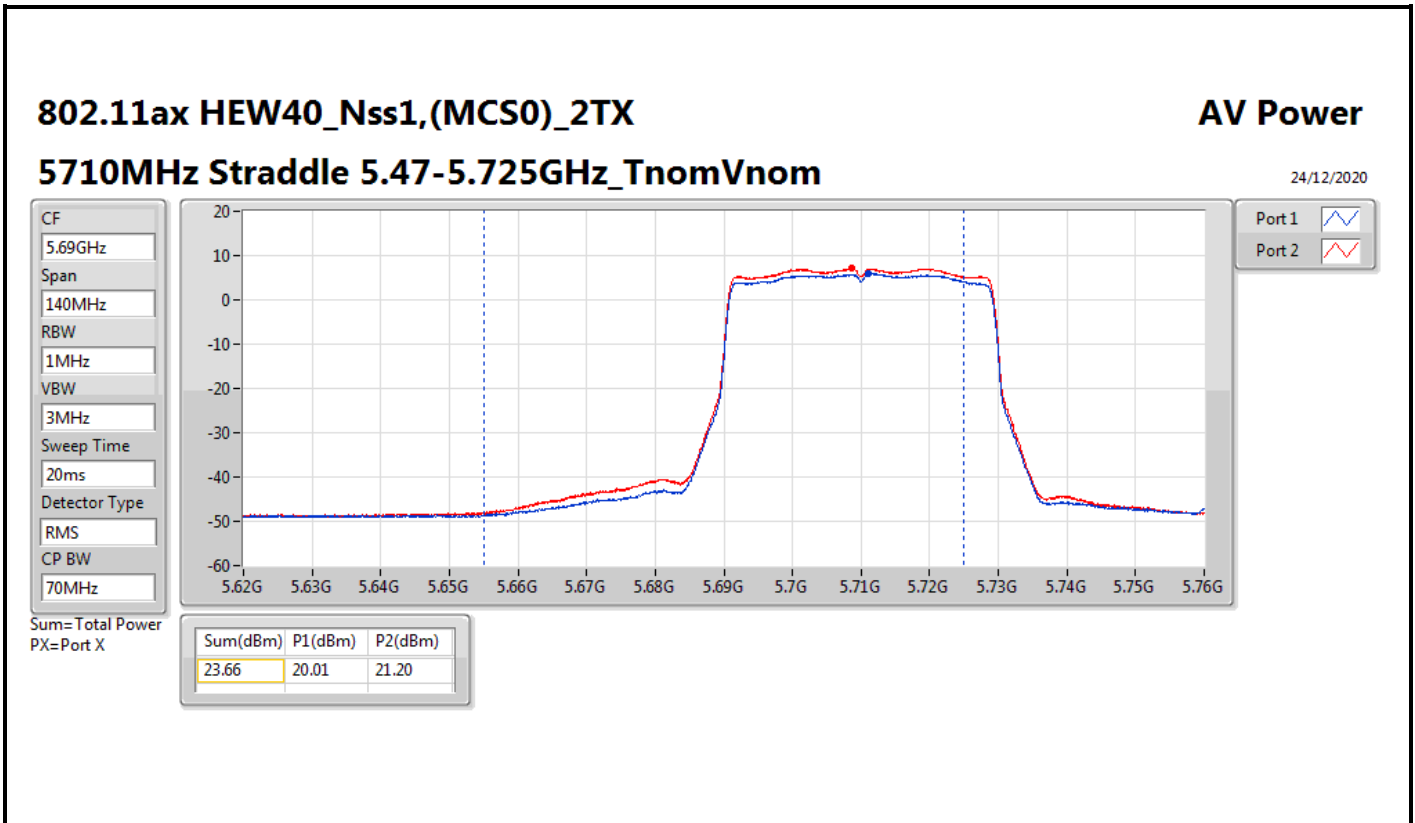
Port 1 

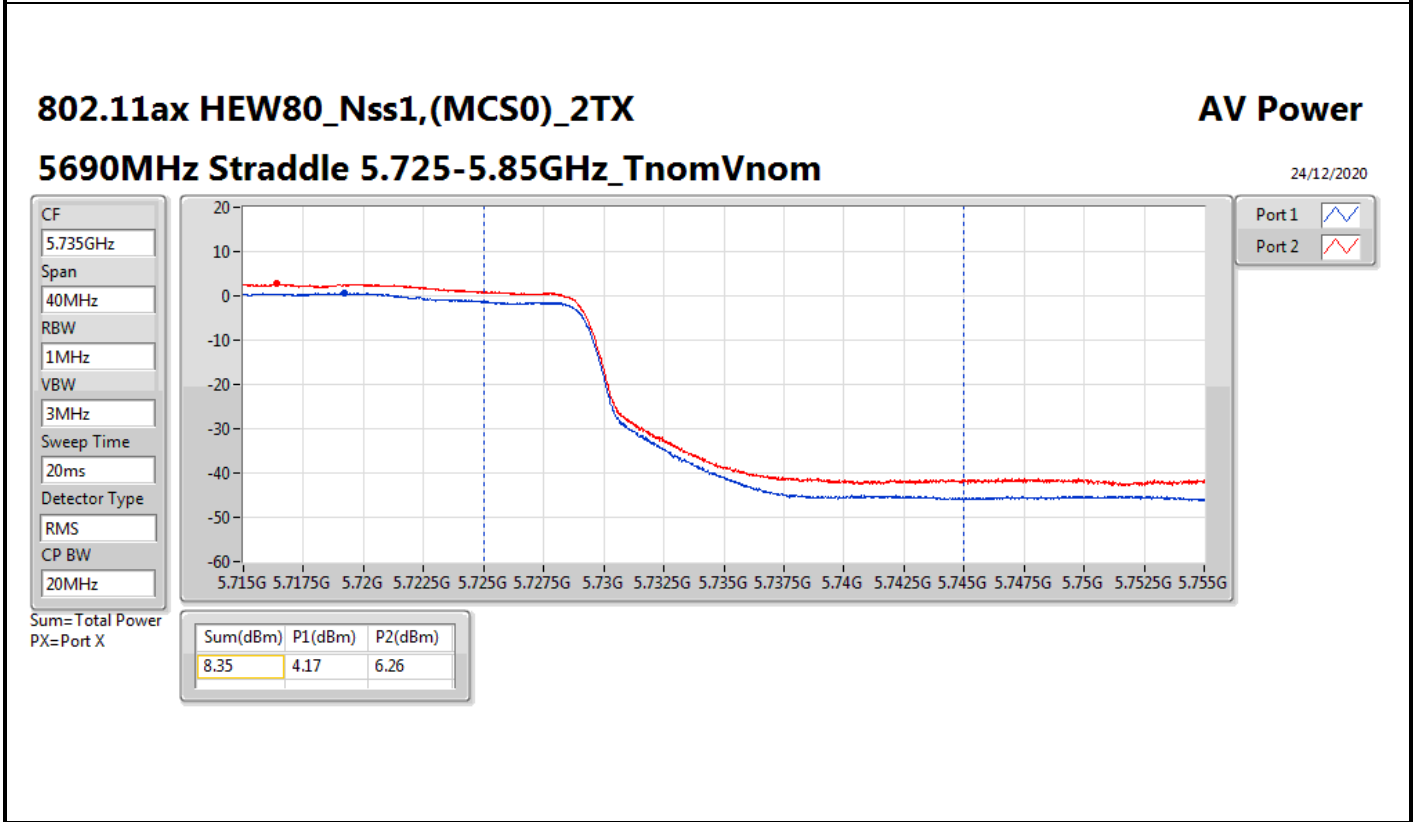
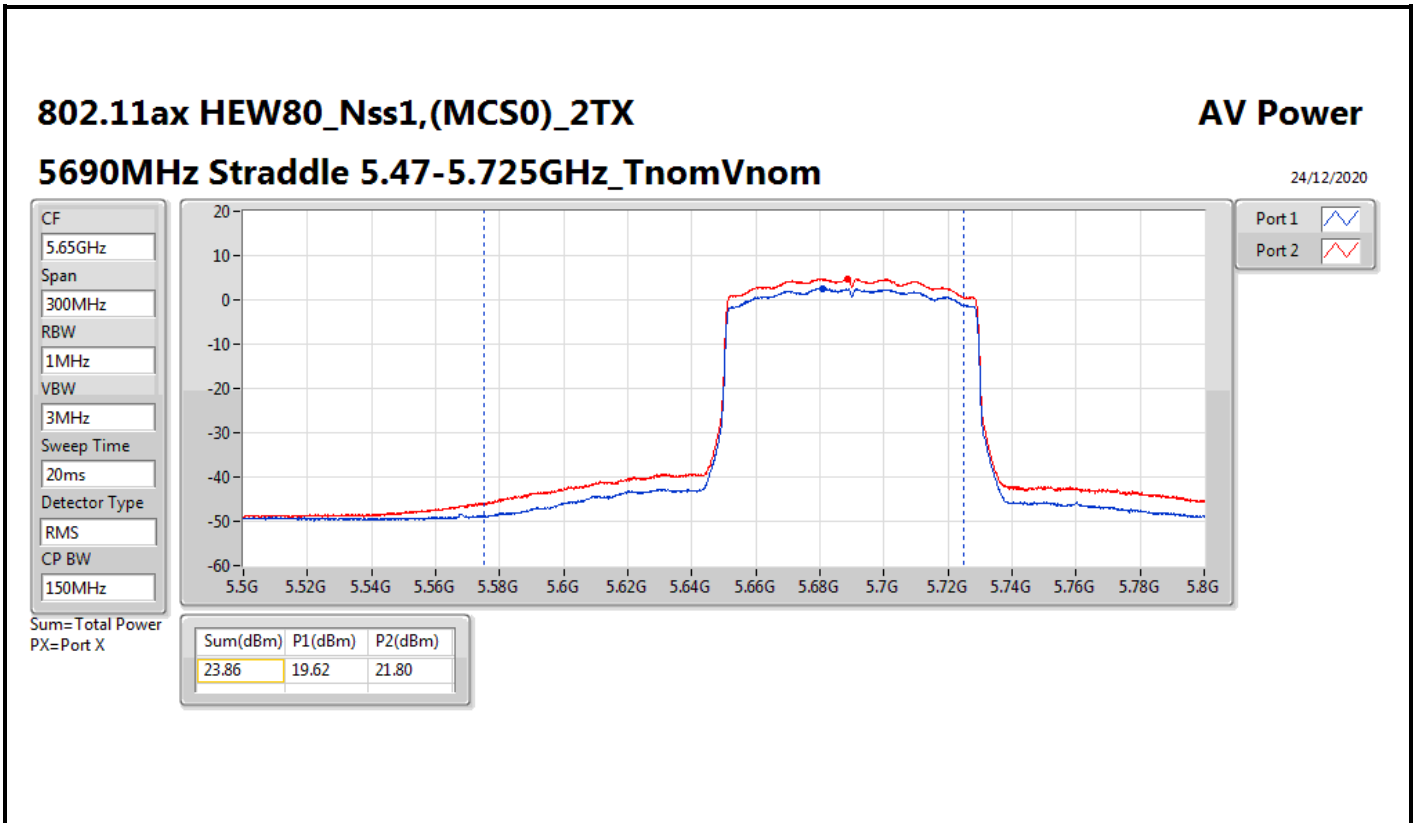
Port 2 

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
7.75	3.53	5.68









Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.05	0.16032	26.21	0.41783
802.11n HT20_Nss1,(MCS0)_1TX	21.64	0.14588	25.80	0.38019
802.11n HT40_Nss1,(MCS0)_1TX	21.03	0.12677	25.19	0.33037
802.11ac VHT20_Nss1,(MCS0)_1TX	21.71	0.14825	25.87	0.38637
802.11ac VHT40_Nss1,(MCS0)_1TX	21.56	0.14322	25.72	0.37325
802.11ac VHT80_Nss1,(MCS0)_1TX	11.21	0.01321	15.37	0.03443
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.45	0.13964	25.61	0.36392
802.11n HT20_Nss1,(MCS0)_1TX	21.15	0.13032	25.31	0.33963
802.11n HT40_Nss1,(MCS0)_1TX	20.70	0.11749	24.86	0.30620
802.11ac VHT20_Nss1,(MCS0)_1TX	21.29	0.13459	25.45	0.35075
802.11ac VHT40_Nss1,(MCS0)_1TX	21.17	0.13092	25.33	0.34119
802.11ac VHT80_Nss1,(MCS0)_1TX	19.09	0.08110	23.25	0.21135
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	12.80	0.01905	16.96	0.04966
802.11n HT20_Nss1,(MCS0)_1TX	12.74	0.01879	16.90	0.04898
802.11n HT40_Nss1,(MCS0)_1TX	7.92	0.00619	12.08	0.01614
802.11ac VHT20_Nss1,(MCS0)_1TX	12.81	0.01910	16.97	0.04977
802.11ac VHT40_Nss1,(MCS0)_1TX	7.93	0.00621	12.09	0.01618
802.11ac VHT80_Nss1,(MCS0)_1TX	4.54	0.00284	8.70	0.00741



Average Power_Non-Beamforming_Radio 2

Appendix B.2

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	20.91	20.91	23.98	25.07	30.00
5300MHz	Pass	4.16	22.05	22.05	23.98	26.21	30.00
5320MHz	Pass	4.16	20.04	20.04	23.98	24.20	30.00
5500MHz	Pass	4.16	19.26	19.26	23.98	23.42	30.00
5580MHz	Pass	4.16	21.45	21.45	23.98	25.61	30.00
5700MHz	Pass	4.16	19.08	19.08	23.98	23.24	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	18.85	18.85	23.88	23.01	29.88
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	12.80	12.80	30.00	16.96	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	20.88	20.88	23.98	25.04	30.00
5300MHz	Pass	4.16	21.64	21.64	23.98	25.80	30.00
5320MHz	Pass	4.16	19.25	19.25	23.98	23.41	30.00
5500MHz	Pass	4.16	18.67	18.67	23.98	22.83	30.00
5580MHz	Pass	4.16	21.15	21.15	23.98	25.31	30.00
5700MHz	Pass	4.16	18.92	18.92	23.98	23.08	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	17.92	17.92	23.59	22.08	29.59
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	12.74	12.74	30.00	16.90	36.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	4.16	21.03	21.03	23.98	25.19	30.00
5310MHz	Pass	4.16	18.37	18.37	23.98	22.53	30.00
5510MHz	Pass	4.16	16.82	16.82	23.98	20.98	30.00
5550MHz	Pass	4.16	20.70	20.70	23.98	24.86	30.00
5670MHz	Pass	4.16	19.09	19.09	23.98	23.25	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.16	18.52	18.52	23.98	22.68	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.16	7.92	7.92	30.00	12.08	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	20.90	20.90	23.98	25.06	30.00
5300MHz	Pass	4.16	21.71	21.71	23.98	25.87	30.00
5320MHz	Pass	4.16	19.32	19.32	23.98	23.48	30.00
5500MHz	Pass	4.16	18.79	18.79	23.98	22.95	30.00
5580MHz	Pass	4.16	21.29	21.29	23.98	25.45	30.00
5700MHz	Pass	4.16	19.01	19.01	23.98	23.17	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	18.30	18.30	23.73	22.46	29.73
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	12.81	12.81	30.00	16.97	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	4.16	21.56	21.56	23.98	25.72	30.00
5310MHz	Pass	4.16	18.67	18.67	23.98	22.83	30.00
5510MHz	Pass	4.16	17.48	17.48	23.98	21.64	30.00
5550MHz	Pass	4.16	21.17	21.17	23.98	25.33	30.00
5670MHz	Pass	4.16	19.11	19.11	23.98	23.27	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.16	18.54	18.54	23.98	22.70	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.16	7.93	7.93	30.00	12.09	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	4.16	11.21	11.21	23.98	15.37	30.00
5530MHz	Pass	4.16	11.32	11.32	23.98	15.48	30.00
5610MHz	Pass	4.16	18.74	18.74	23.98	22.90	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.16	19.09	19.09	23.98	23.25	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.16	4.54	4.54	30.00	8.70	36.00

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



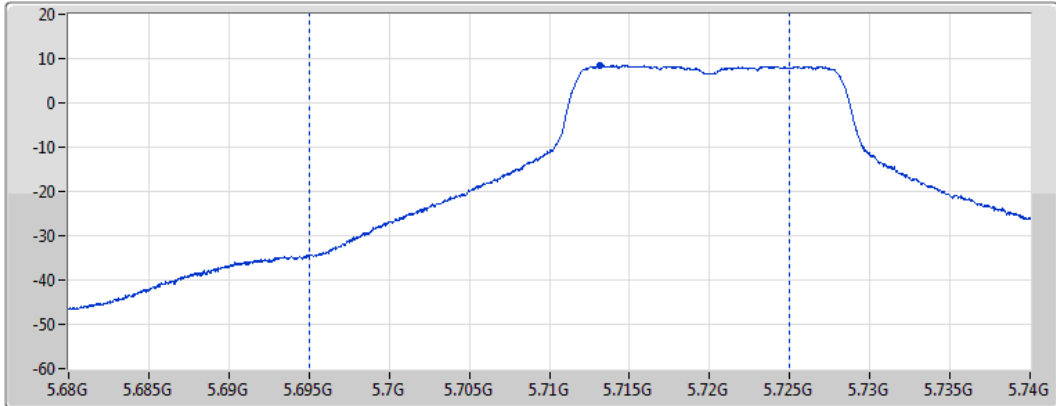
802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

11/11/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
18.85	18.85

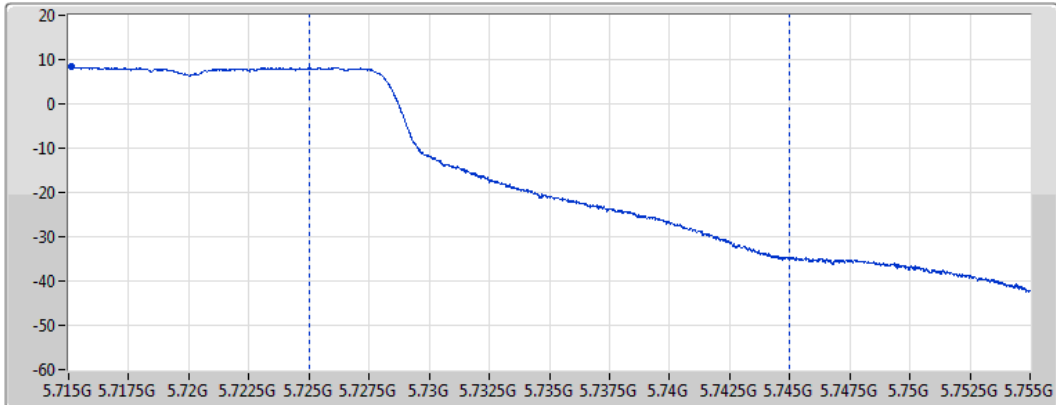
802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

11/11/2020

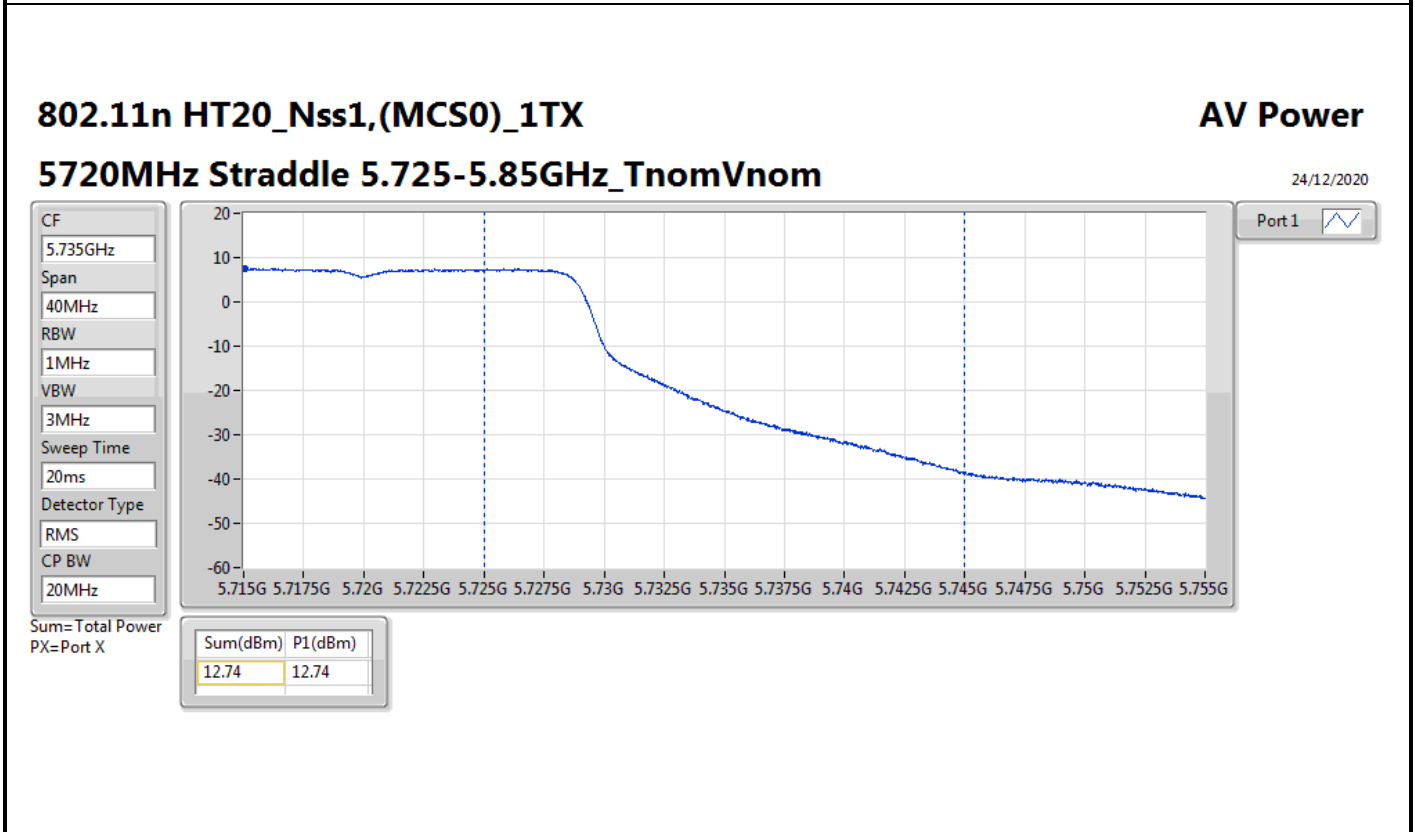
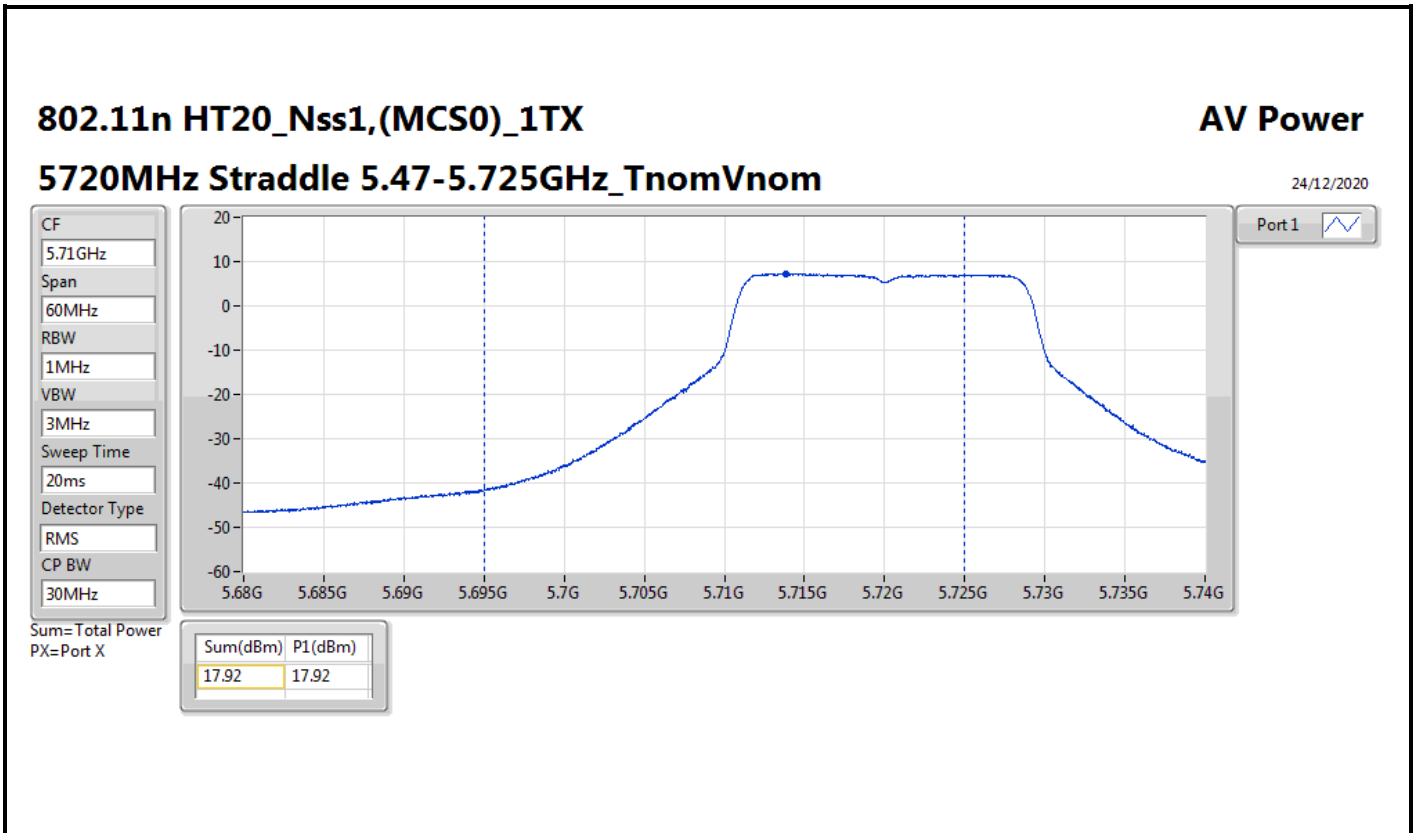
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz

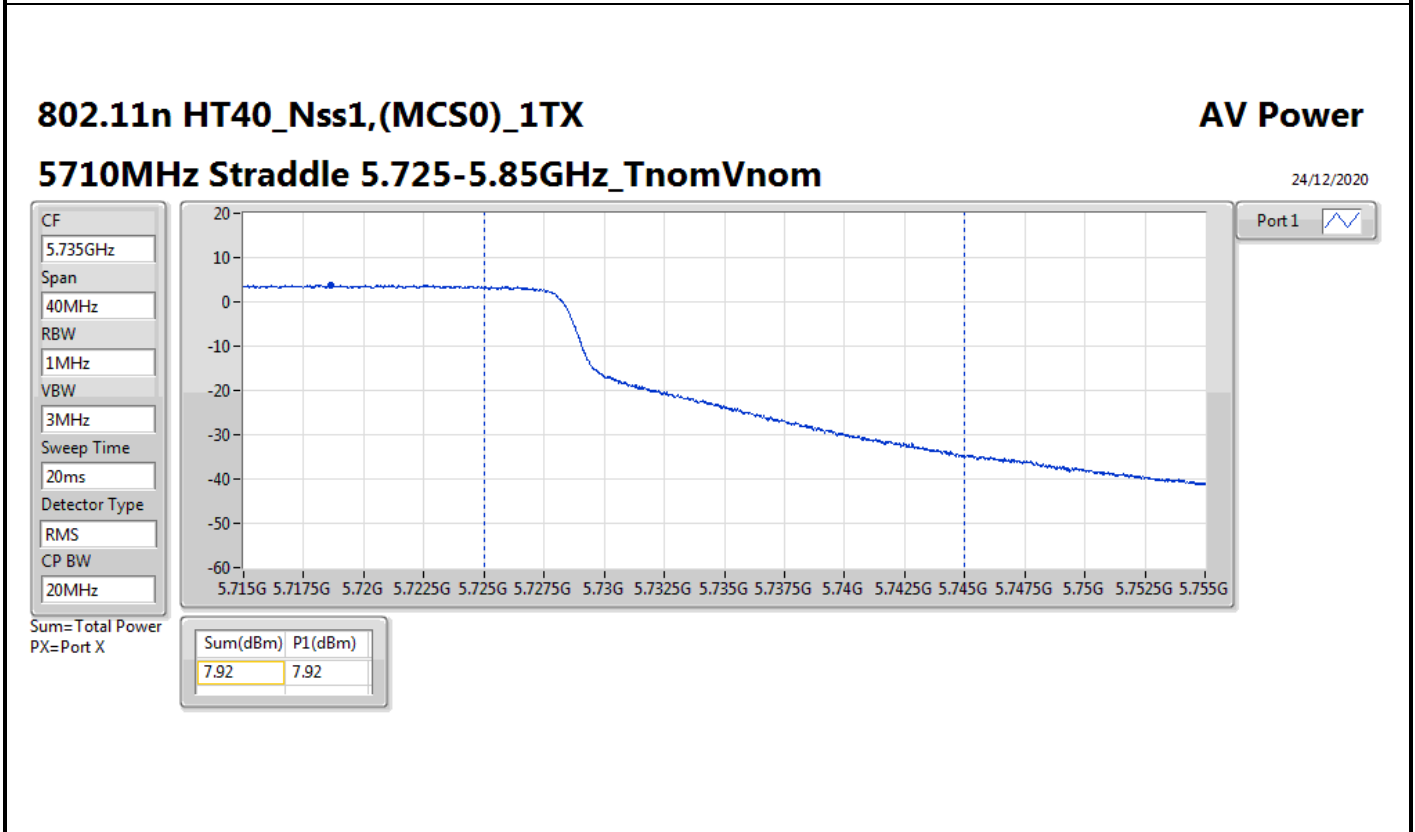
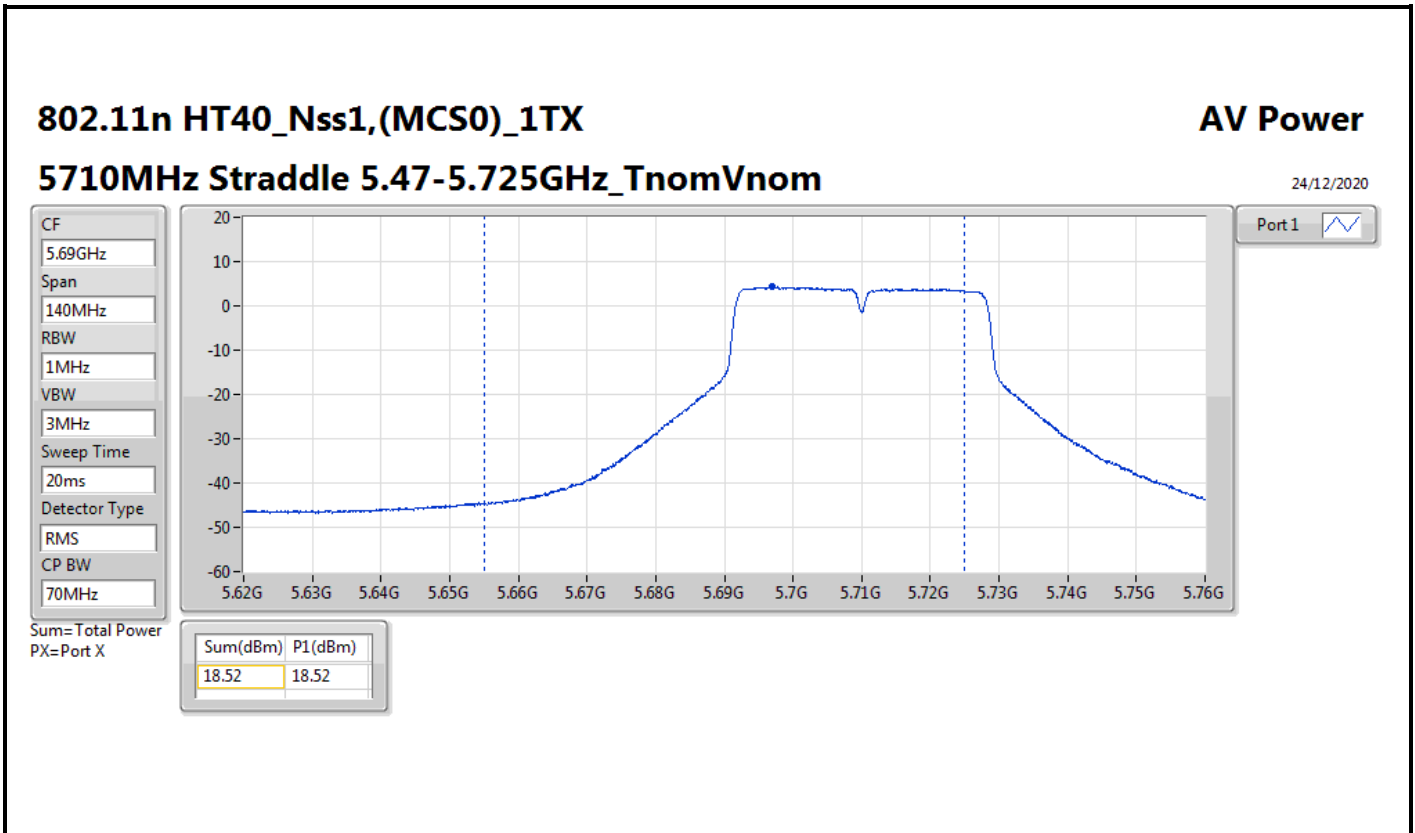


Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
12.80	12.80







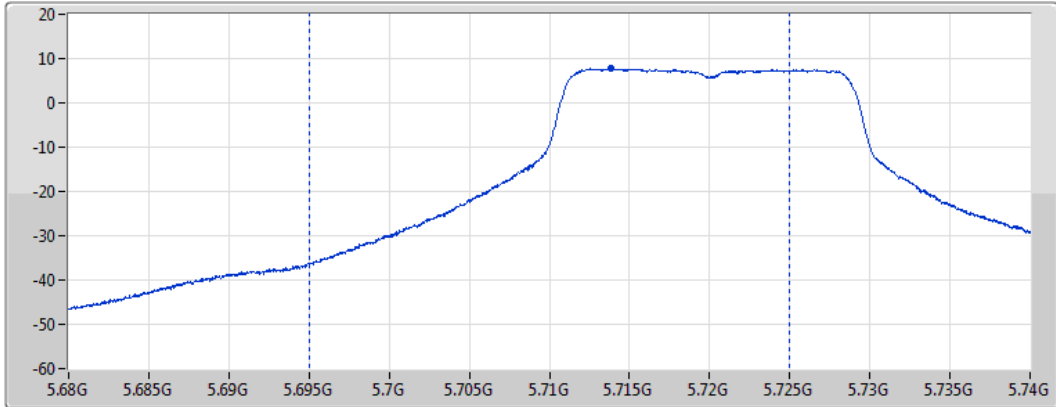
802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

11/11/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
18.30	18.30

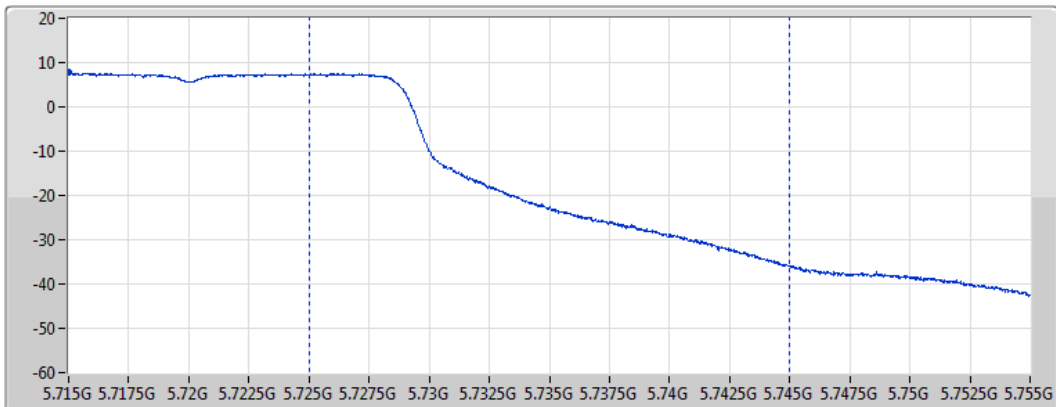
802.11ac VHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

11/11/2020

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



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
12.81	12.81



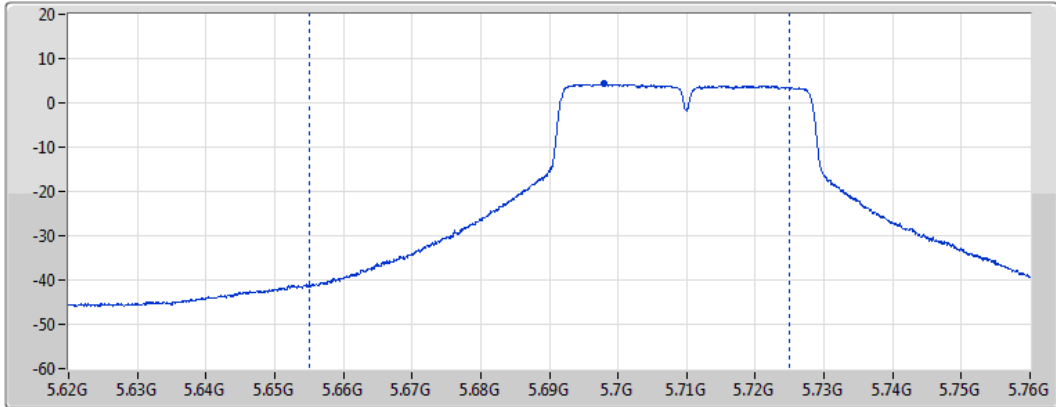
802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

11/11/2020

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
70MHz



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
18.54	18.54

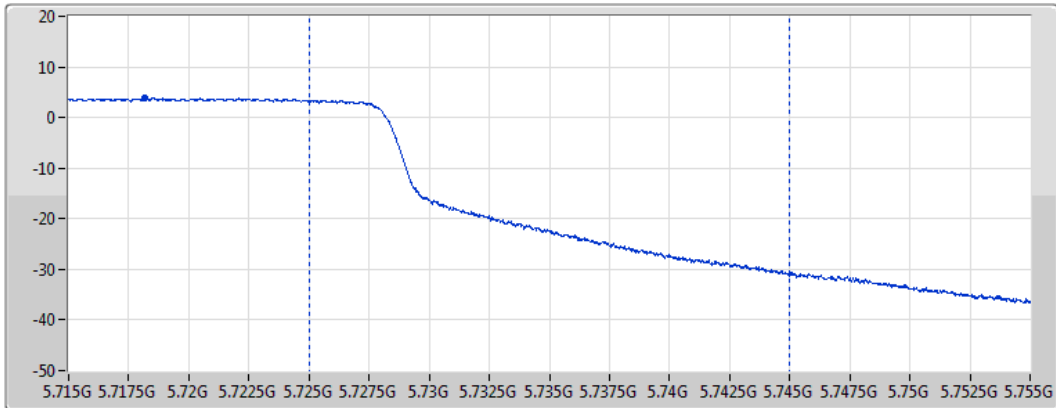
802.11ac VHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

11/11/2020

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



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
7.93	7.93



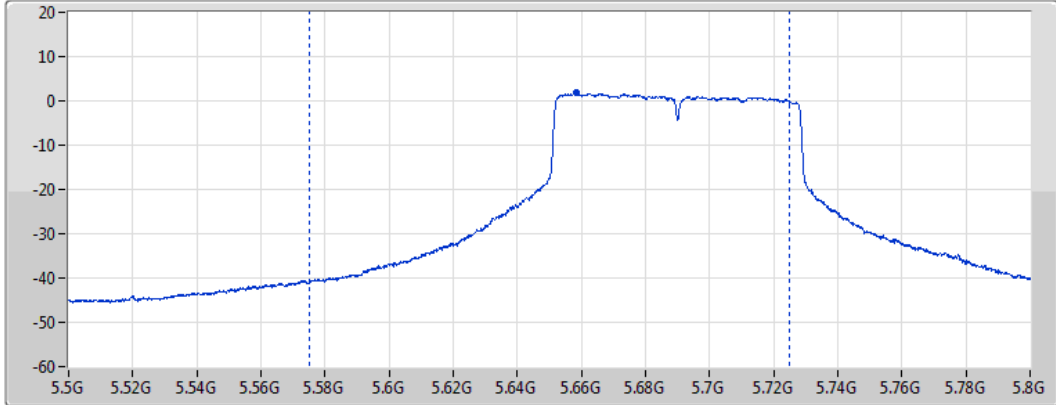
802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

11/11/2020

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



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
19.09	19.09

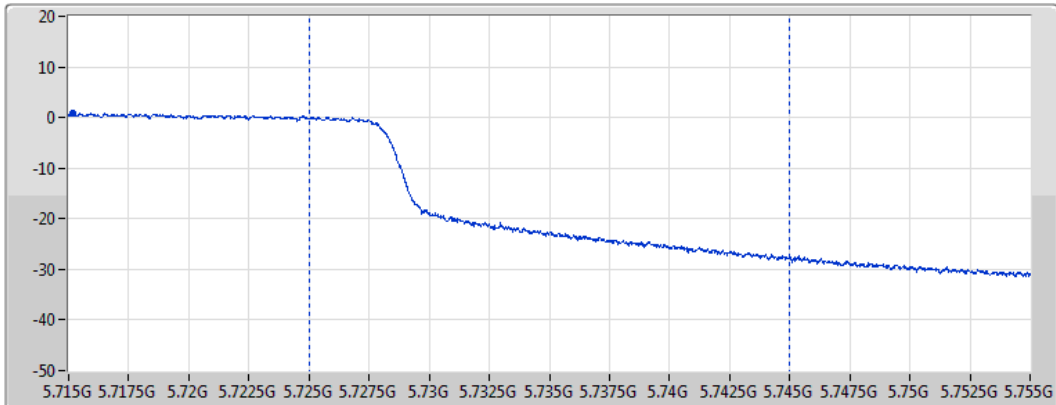
802.11ac VHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

11/11/2020

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



Port 1

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)
4.54	4.54



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.61	0.18239	29.97	0.99312
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.51	0.17824	29.87	0.97051
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.34	0.17140	29.70	0.93325
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.57	0.18072	29.93	0.98401
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.60	0.18197	29.96	0.99083
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.58	0.18113	29.94	0.98628
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	15.90	0.03890	23.26	0.21184
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	11.91	0.01552	19.27	0.08453
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	8.35	0.00684	15.71	0.03724



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.36	19.25	19.84	22.57	22.62	29.93	30.00
5300MHz	Pass	7.36	19.21	19.95	22.61	22.62	29.97	30.00
5320MHz	Pass	7.36	19.11	19.94	22.56	22.62	29.92	30.00
5500MHz	Pass	7.36	18.64	20.32	22.57	22.62	29.93	30.00
5580MHz	Pass	7.36	18.22	20.39	22.45	22.62	29.81	30.00
5700MHz	Pass	7.36	18.19	20.15	22.29	22.62	29.65	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.36	18.14	18.95	21.57	21.58	28.93	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	7.36	12.37	13.36	15.90	28.64	23.26	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.36	19.03	19.93	22.51	22.62	29.87	30.00
5310MHz	Pass	7.36	18.90	19.84	22.41	22.62	29.77	30.00
5510MHz	Pass	7.36	18.70	20.33	22.60	22.62	29.96	30.00
5550MHz	Pass	7.36	18.82	20.24	22.60	22.62	29.96	30.00
5670MHz	Pass	7.36	18.20	20.37	22.43	22.62	29.79	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.36	18.80	19.99	22.45	22.62	29.81	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.36	8.20	9.51	11.91	28.64	19.27	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.36	18.96	19.67	22.34	22.62	29.70	30.00
5530MHz	Pass	7.36	17.84	19.24	21.61	22.62	28.97	30.00
5610MHz	Pass	7.36	18.25	20.42	22.48	22.62	29.84	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.36	18.41	20.49	22.58	22.62	29.94	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.36	4.17	6.26	8.35	28.64	15.71	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	9.34	16.70
802.11n HT20_Nss1,(MCS0)_2TX	9.44	16.80
802.11n HT40_Nss1,(MCS0)_2TX	8.78	16.14
802.11ac VHT20_Nss1,(MCS0)_2TX	9.63	16.99
802.11ac VHT40_Nss1,(MCS0)_2TX	9.06	16.42
802.11ac VHT80_Nss1,(MCS0)_2TX	3.94	11.30
802.11ax HEW20_Nss1,(MCS0)_2TX	9.63	16.99
802.11ax HEW40_Nss1,(MCS0)_2TX	7.94	15.30
802.11ax HEW80_Nss1,(MCS0)_2TX	3.62	10.98
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.58	16.94
802.11n HT20_Nss1,(MCS0)_2TX	9.59	16.95
802.11n HT40_Nss1,(MCS0)_2TX	8.94	16.30
802.11ac VHT20_Nss1,(MCS0)_2TX	9.53	16.89
802.11ac VHT40_Nss1,(MCS0)_2TX	9.24	16.60
802.11ac VHT80_Nss1,(MCS0)_2TX	5.37	12.73
802.11ax HEW20_Nss1,(MCS0)_2TX	9.53	16.89
802.11ax HEW40_Nss1,(MCS0)_2TX	7.98	15.34
802.11ax HEW80_Nss1,(MCS0)_2TX	5.33	12.69
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	7.90	15.26
802.11n HT20_Nss1,(MCS0)_2TX	6.96	14.32
802.11n HT40_Nss1,(MCS0)_2TX	4.22	11.58
802.11ac VHT20_Nss1,(MCS0)_2TX	7.61	14.97
802.11ac VHT40_Nss1,(MCS0)_2TX	4.64	12.00
802.11ac VHT80_Nss1,(MCS0)_2TX	0.08	7.44
802.11ax HEW20_Nss1,(MCS0)_2TX	6.87	14.23
802.11ax HEW40_Nss1,(MCS0)_2TX	4.61	11.97
802.11ax HEW80_Nss1,(MCS0)_2TX	-0.10	7.26

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	7.36	5.74	6.33	9.02	9.64	16.38	17.00
5300MHz	Pass	7.36	5.94	6.78	9.28	9.64	16.64	17.00
5320MHz	Pass	7.36	6.27	7.45	9.34	9.64	16.70	17.00
5500MHz	Pass	7.36	5.81	7.59	9.58	9.64	16.94	17.00
5580MHz	Pass	7.36	5.12	7.19	9.25	9.64	16.61	17.00
5700MHz	Pass	7.36	5.33	7.26	9.33	9.64	16.69	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.36	5.91	7.16	9.55	9.64	16.91	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.36	4.38	5.36	7.90	28.64	15.26	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.36	6.06	7.04	9.35	9.64	16.71	17.00
5300MHz	Pass	7.36	6.36	7.21	9.30	9.64	16.66	17.00
5320MHz	Pass	7.36	6.58	7.44	9.44	9.64	16.80	17.00
5500MHz	Pass	7.36	6.03	7.70	9.59	9.64	16.95	17.00
5580MHz	Pass	7.36	5.45	7.33	9.31	9.64	16.67	17.00
5700MHz	Pass	7.36	5.41	7.59	9.58	9.64	16.94	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.36	6.19	7.11	9.56	9.64	16.92	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.36	3.79	4.27	6.96	28.64	14.32	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.36	5.52	6.32	8.78	9.64	16.14	17.00
5310MHz	Pass	7.36	5.37	6.38	8.53	9.64	15.89	17.00
5510MHz	Pass	7.36	5.42	6.80	8.82	9.64	16.18	17.00
5550MHz	Pass	7.36	5.06	6.82	8.94	9.64	16.30	17.00
5670MHz	Pass	7.36	4.56	6.91	8.89	9.64	16.25	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.36	3.96	5.52	7.80	9.64	15.16	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.36	0.67	1.87	4.22	28.64	11.58	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.36	6.27	7.03	9.53	9.64	16.89	17.00
5300MHz	Pass	7.36	6.61	7.36	9.54	9.64	16.90	17.00
5320MHz	Pass	7.36	6.78	7.57	9.63	9.64	16.99	17.00
5500MHz	Pass	7.36	5.90	7.46	9.52	9.64	16.88	17.00
5580MHz	Pass	7.36	5.53	7.38	9.40	9.64	16.76	17.00
5700MHz	Pass	7.36	5.49	7.52	9.53	9.64	16.89	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.36	5.96	6.99	9.48	9.64	16.84	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.36	4.06	5.14	7.61	28.64	14.97	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.36	5.96	6.55	9.06	9.64	16.42	17.00
5310MHz	Pass	7.36	5.78	6.65	8.86	9.64	16.22	17.00
5510MHz	Pass	7.36	5.67	7.12	9.16	9.64	16.52	17.00
5550MHz	Pass	7.36	5.44	7.11	9.24	9.64	16.60	17.00
5670MHz	Pass	7.36	4.98	7.22	9.20	9.64	16.56	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.36	4.63	5.74	8.16	9.64	15.52	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.36	1.40	2.13	4.64	28.64	12.00	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.36	0.93	1.84	3.94	9.64	11.30	17.00
5530MHz	Pass	7.36	0.92	2.31	4.47	9.64	11.83	17.00
5610MHz	Pass	7.36	1.22	3.43	5.37	9.64	12.73	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.36	0.88	3.23	5.17	9.64	12.53	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.36	-4.02	-1.91	0.08	28.64	7.44	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.36	6.50	7.33	9.63	9.64	16.99	17.00
5300MHz	Pass	7.36	6.45	7.18	9.32	9.64	16.68	17.00
5320MHz	Pass	7.36	6.66	7.70	9.60	9.64	16.96	17.00
5500MHz	Pass	7.36	5.86	7.65	9.53	9.64	16.89	17.00
5580MHz	Pass	7.36	5.32	7.45	9.38	9.64	16.74	17.00



PSD_Non-Beamforming_Radio 1

Appendix C.1

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)
5700MHz	Pass	7.36	5.13	7.25	9.19	9.64	16.55	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.36	5.99	7.04	9.45	9.64	16.81	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.36	3.67	4.38	6.87	28.64	14.23	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.36	4.76	5.49	7.94	9.64	15.30	17.00
5310MHz	Pass	7.36	4.52	5.33	7.56	9.64	14.92	17.00
5510MHz	Pass	7.36	4.17	5.80	7.74	9.64	15.10	17.00
5550MHz	Pass	7.36	4.05	5.57	7.76	9.64	15.12	17.00
5670MHz	Pass	7.36	3.50	5.63	7.57	9.64	14.93	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.36	4.09	5.73	7.98	9.64	15.34	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.36	0.98	2.37	4.61	28.64	11.97	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.36	0.44	1.18	3.62	9.64	10.98	17.00
5530MHz	Pass	7.36	0.72	2.07	4.35	9.64	11.71	17.00
5610MHz	Pass	7.36	0.95	3.19	5.19	9.64	12.55	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.36	1.13	3.33	5.33	9.64	12.69	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.36	-4.24	-2.22	-0.10	28.64	7.26	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

24/12/2020

CF
5.26GHz

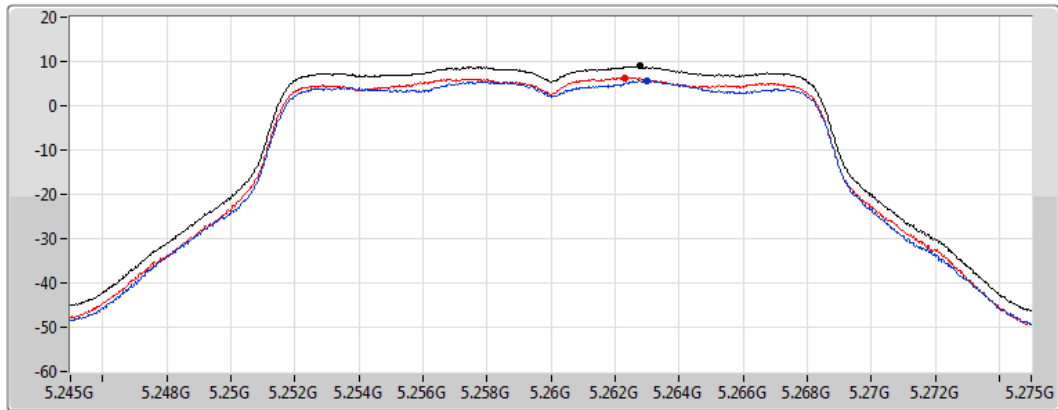
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.02	9.02	5.74	6.33

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

24/12/2020

CF
5.3GHz

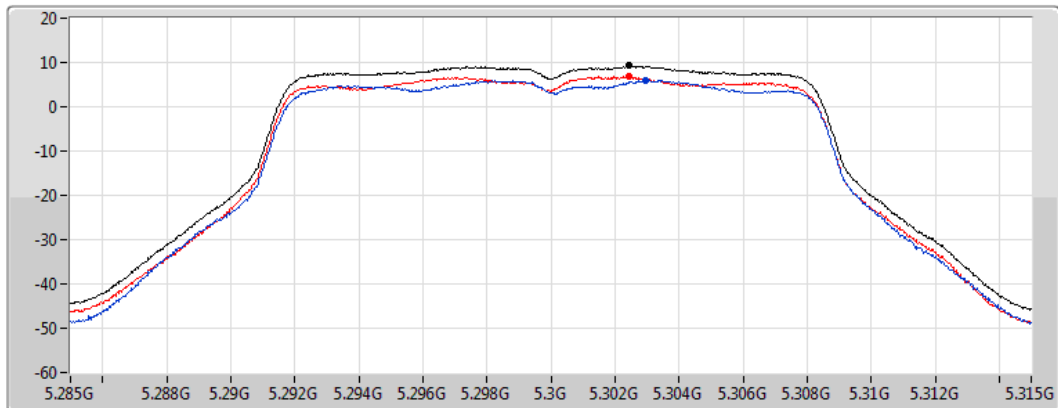
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.28	9.28	5.94	6.78

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

24/12/2020

CF
5.32GHz

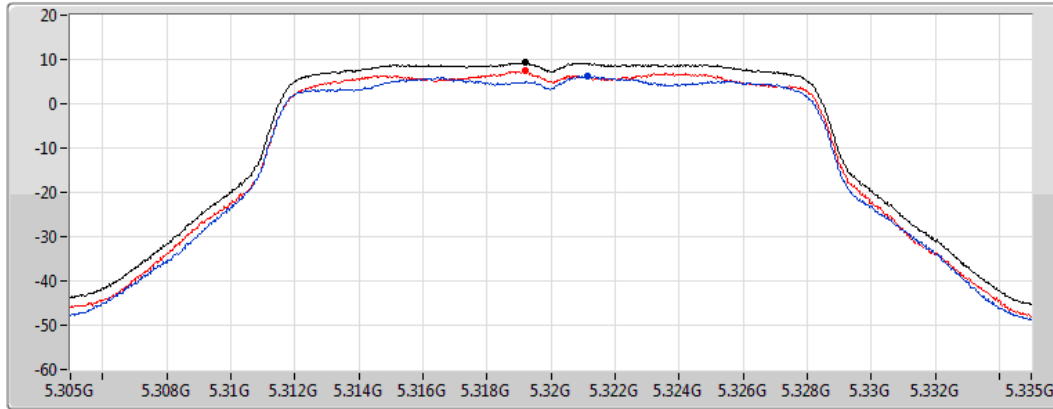
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.34	9.34	6.27	7.45

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

24/12/2020

CF
5.5GHz

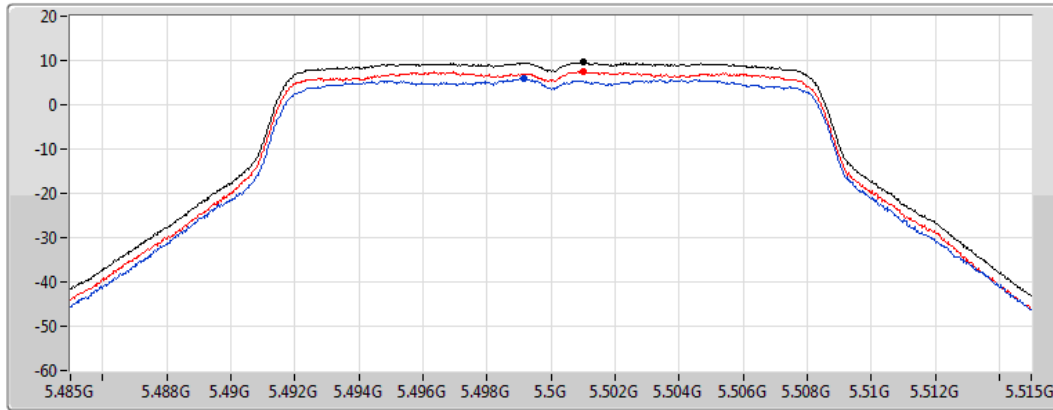
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.58	9.58	5.81	7.59

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

24/12/2020

CF
5.58GHz

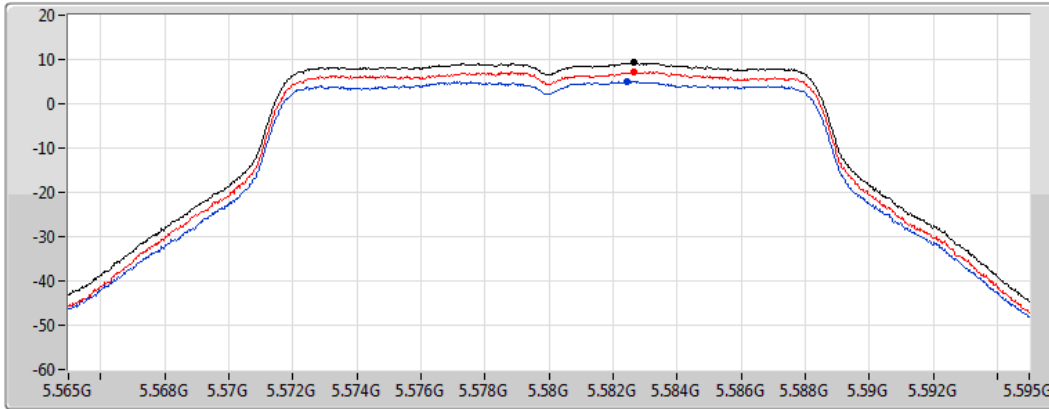
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.25	9.25	5.12	7.19

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

24/12/2020

CF
5.7GHz

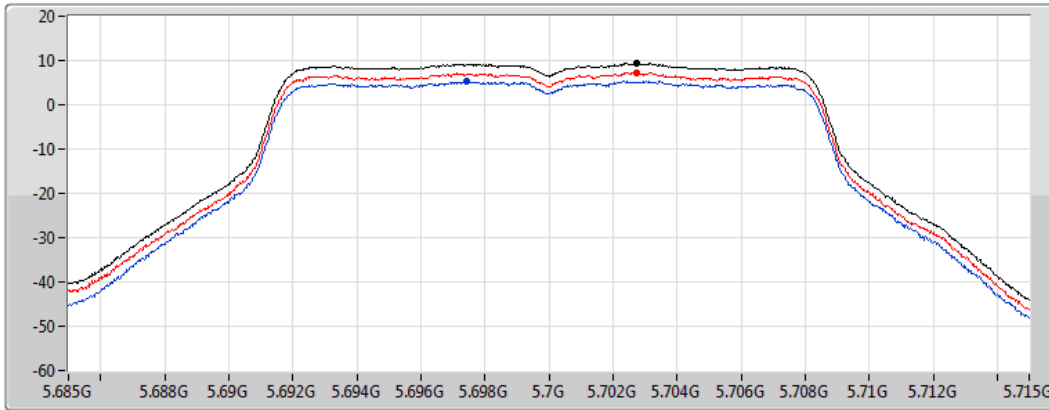
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.33	9.33	5.33	7.26

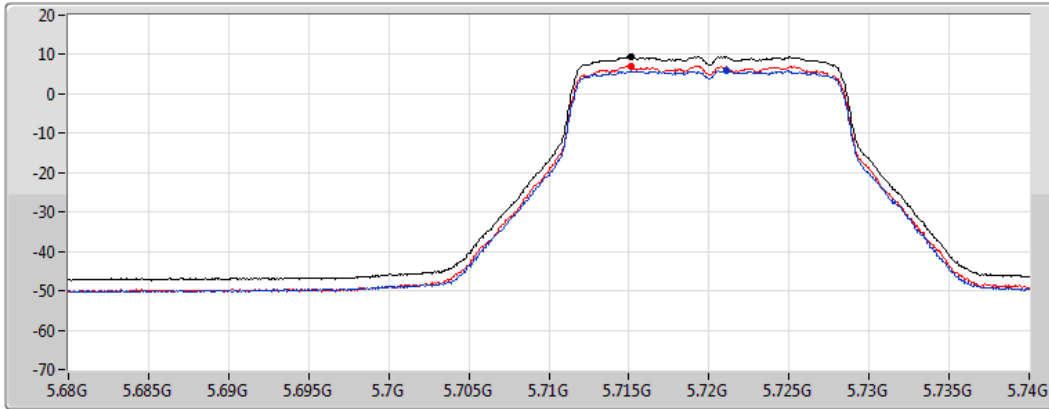
802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.55	9.55	5.91	7.16

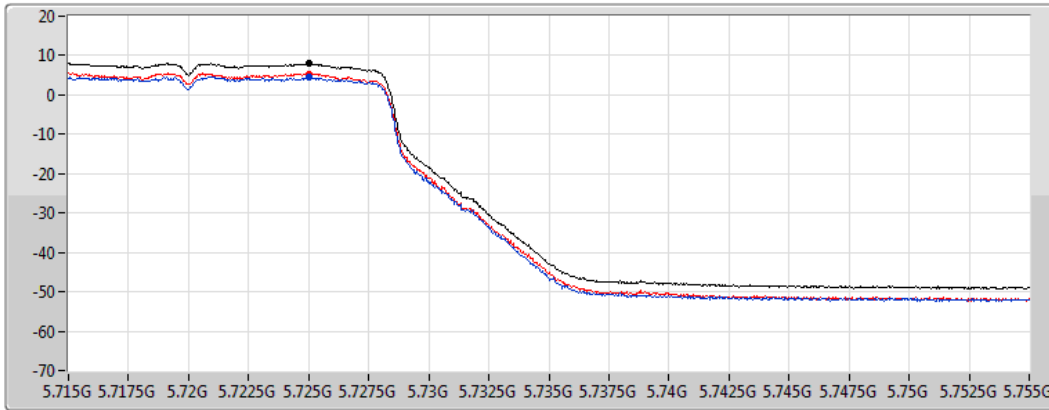
802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

24/12/2020

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



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.90	7.90	4.38	5.36

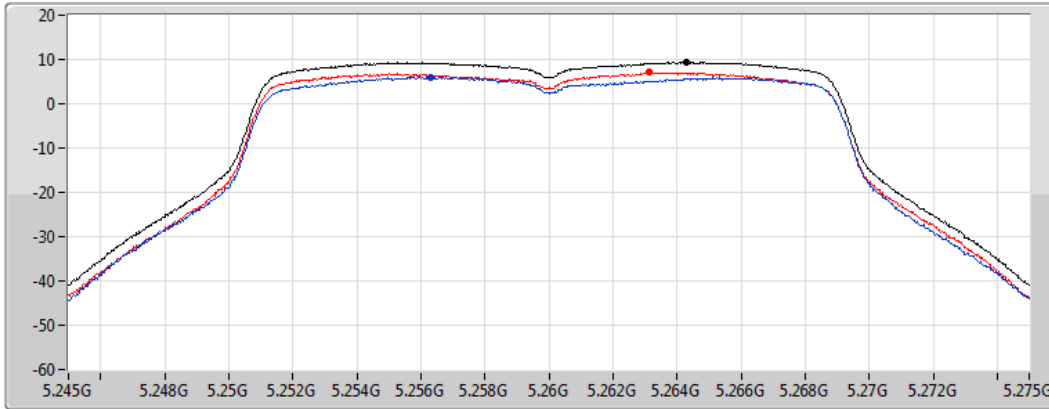
802.11n HT20_Nss1,(MCS0)_2TX

PSD

5260MHz

24/12/2020

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.35	9.35	6.06	7.04

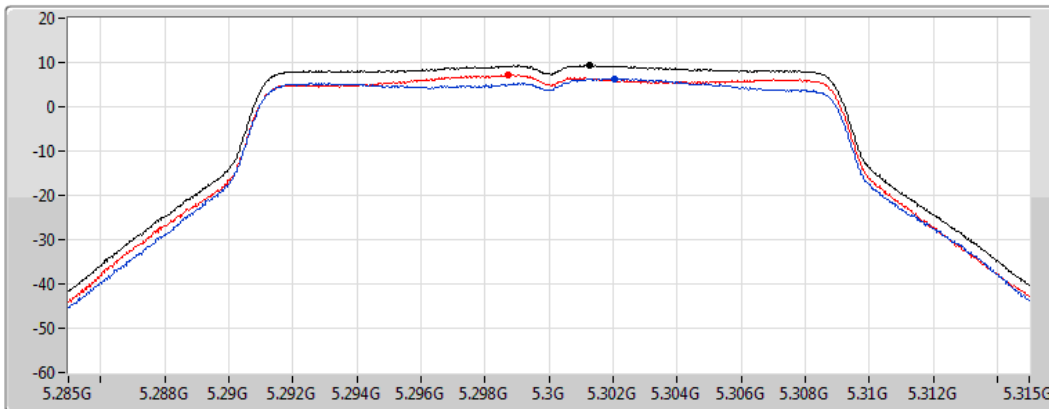
802.11n HT20_Nss1,(MCS0)_2TX

PSD

5300MHz

24/12/2020

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.30	9.30	6.36	7.21

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5320MHz

24/12/2020

CF
5.32GHz

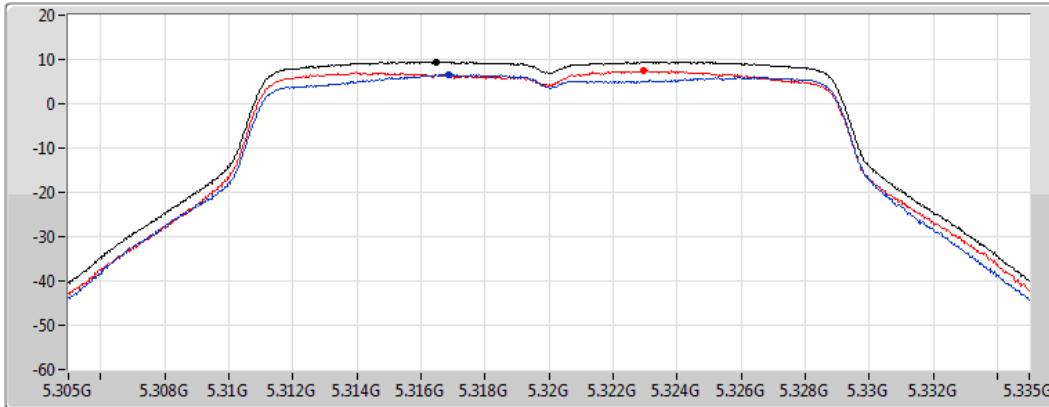
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	6.58	7.44

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5500MHz

24/12/2020

CF
5.5GHz

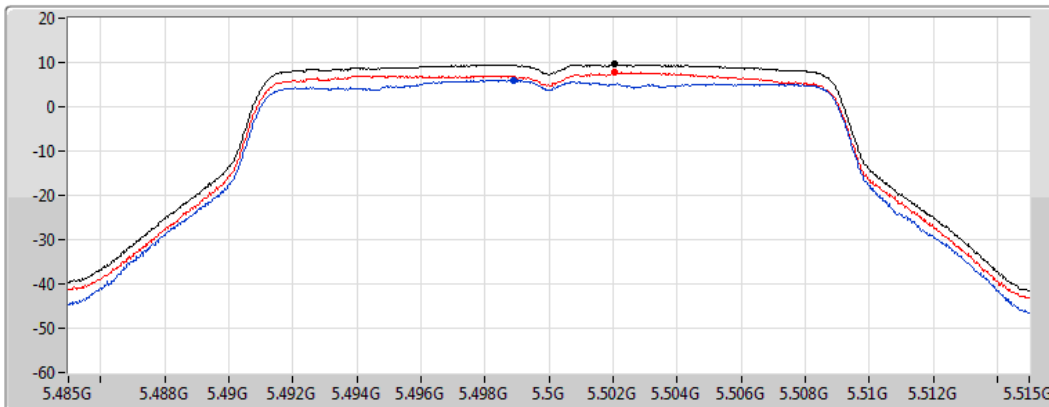
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.59	9.59	6.03	7.70

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5580MHz

24/12/2020

CF
5.58GHz

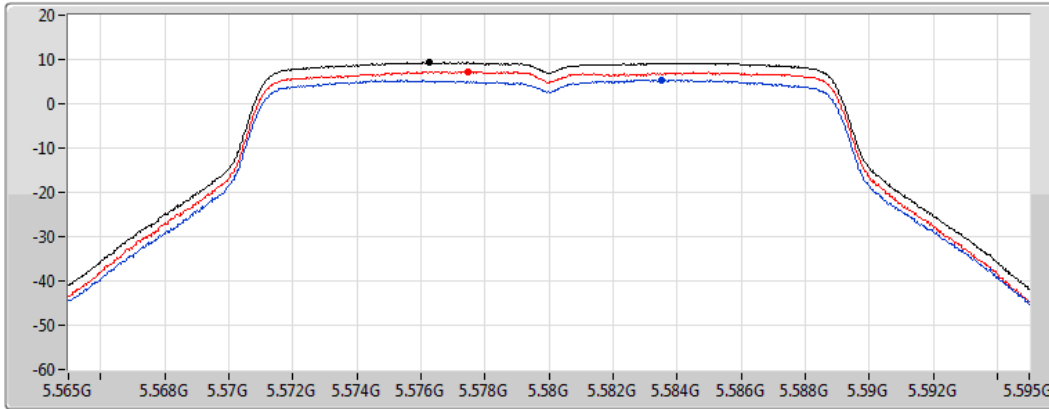
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.31	9.31	5.45	7.33

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5700MHz

24/12/2020

CF
5.7GHz

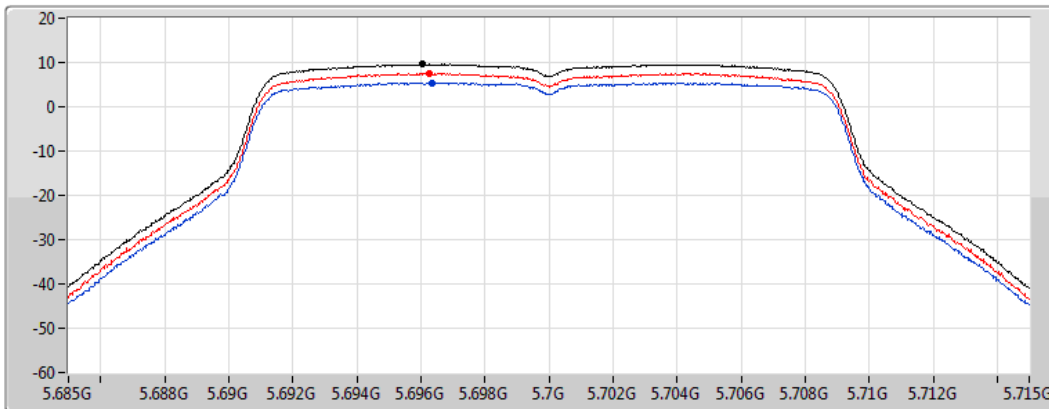
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.58	9.58	5.41	7.59

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71GHz

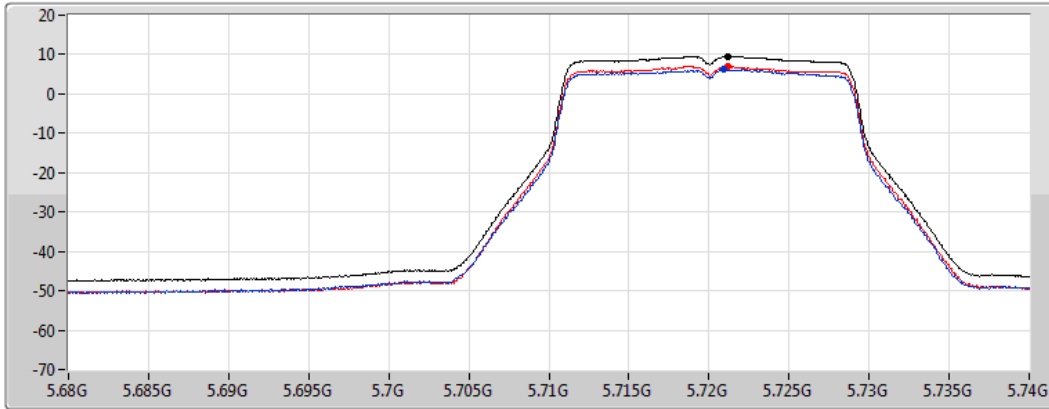
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.56	9.56	6.19	7.11

802.11n HT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.735GHz

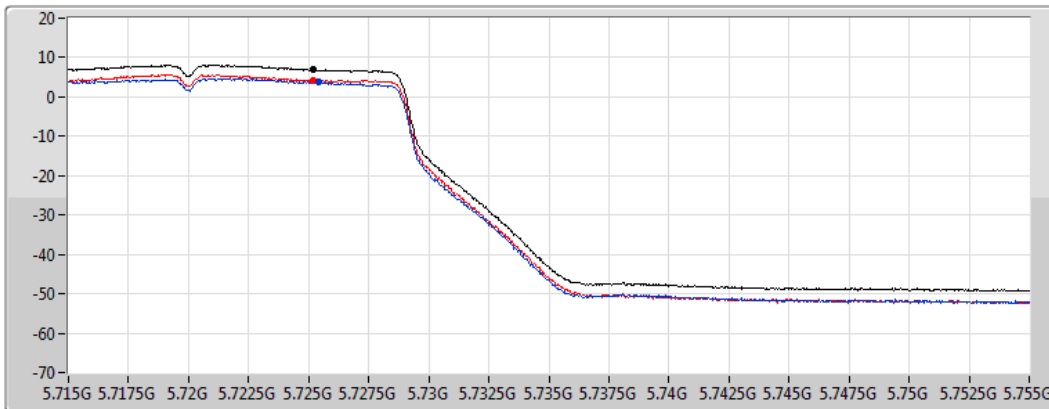
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.96	6.96	3.79	4.27

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5270MHz

24/12/2020

CF
5.27GHz

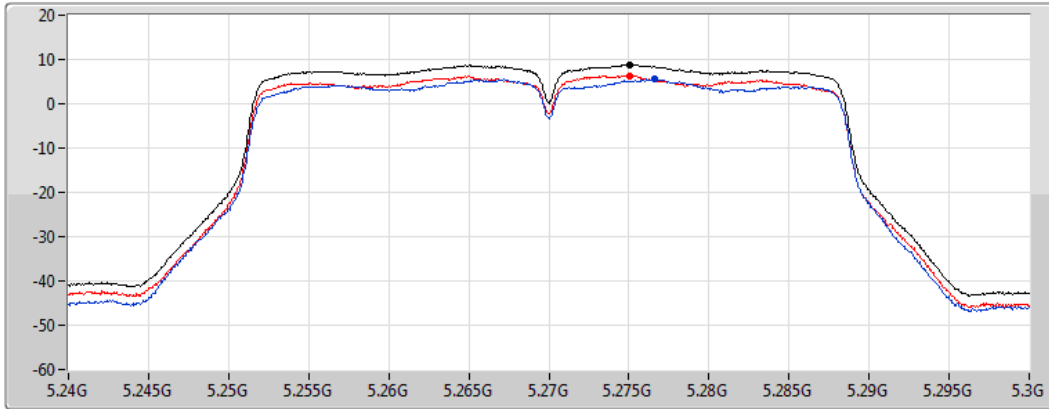
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.78	8.78	5.52	6.32

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5310MHz

24/12/2020

CF
5.31GHz

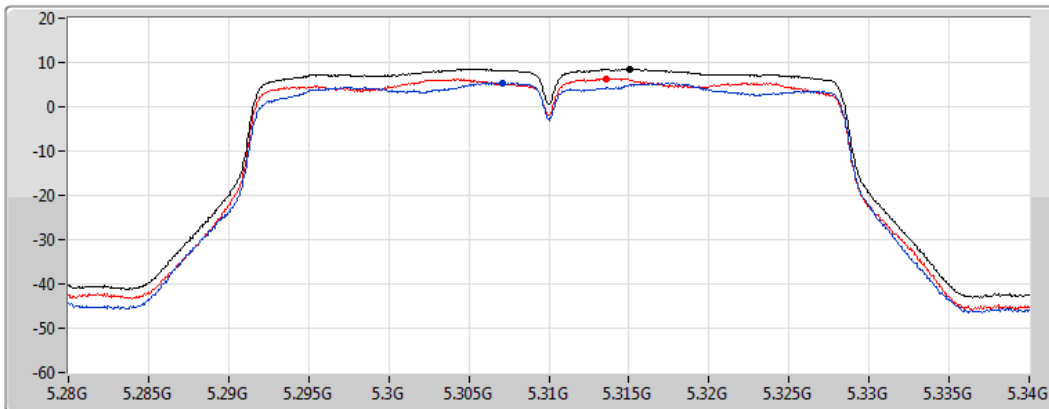
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.53	8.53	5.37	6.38

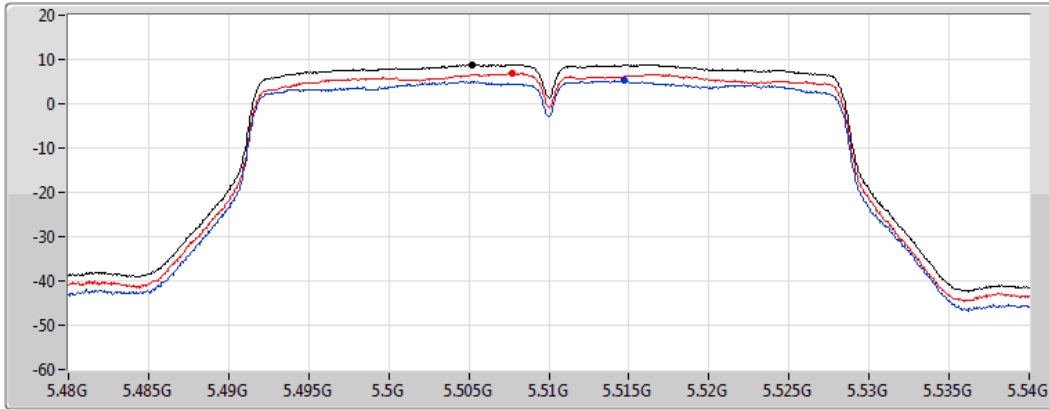
802.11n HT40_Nss1,(MCS0)_2TX




PSD

5510MHz

24/12/2020

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



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.82	8.82	5.42	6.80

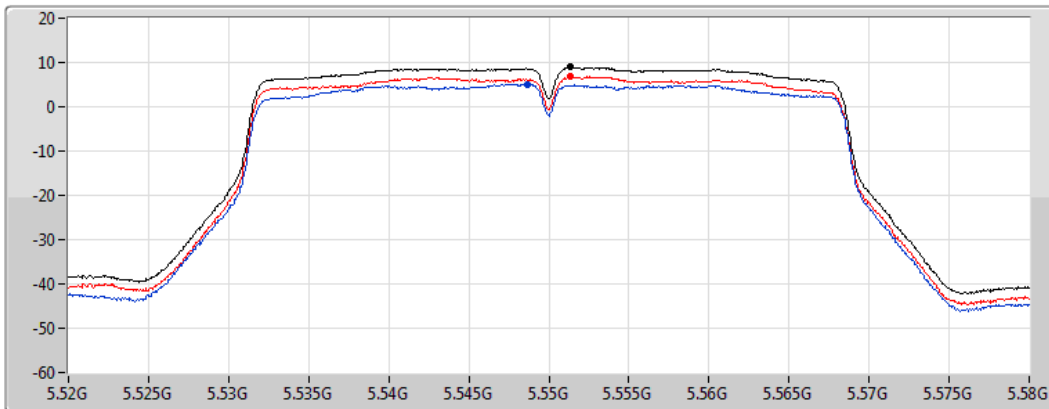
802.11n HT40_Nss1,(MCS0)_2TX




PSD

5550MHz

24/12/2020

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.94	8.94	5.06	6.82

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5670MHz

24/12/2020

CF
5.67GHz

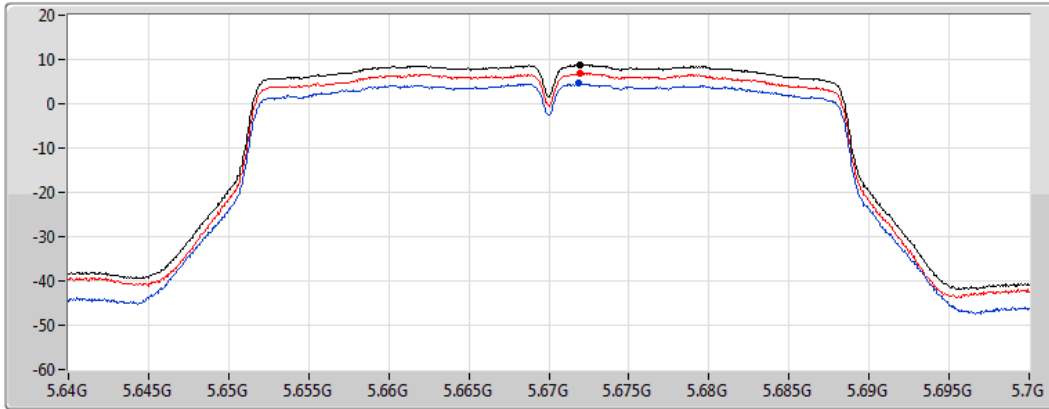
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.89	8.89	4.56	6.91

802.11n HT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.69GHz

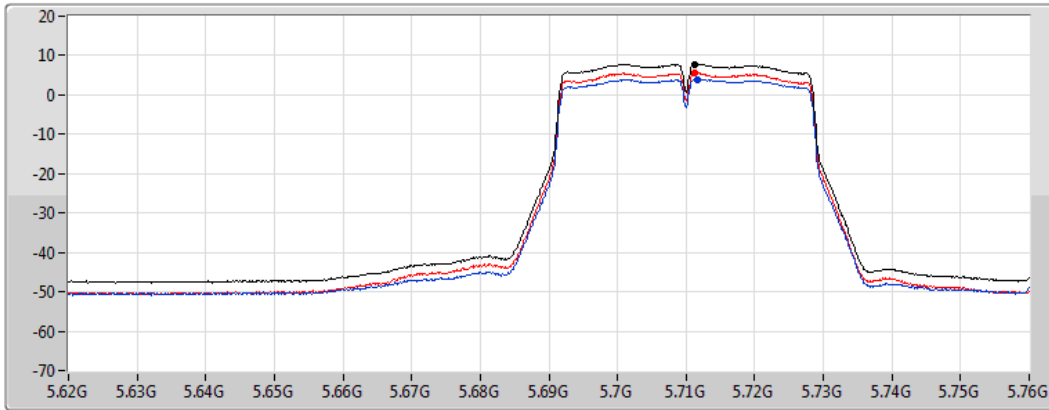
Span
140MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	3.96	5.52

802.11n HT40_Nss1,(MCS0)_2TX

5710MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

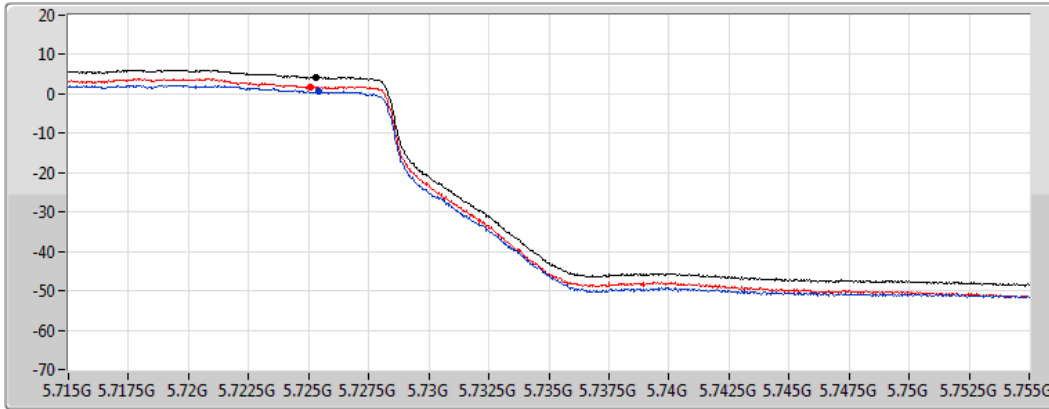
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.22	4.22	0.67	1.87

802.11ac VHT20_Nss1,(MCS0)_2TX

5260MHz

PSD

24/12/2020

CF
5.26GHz

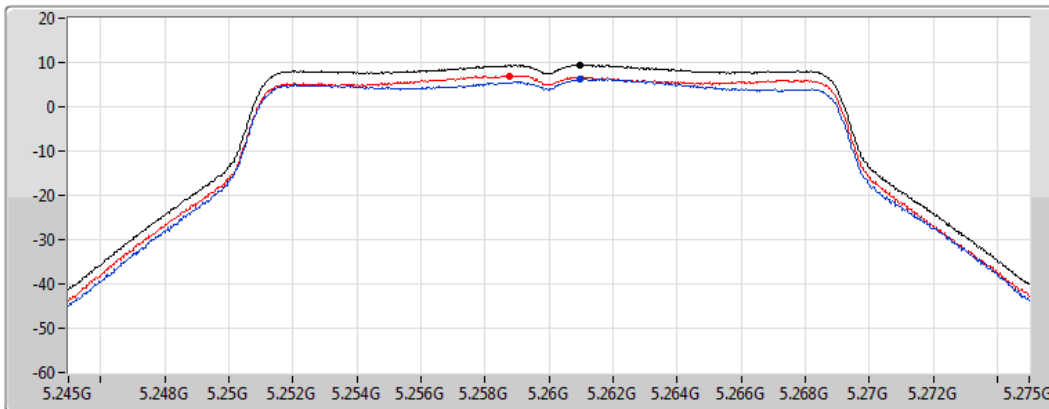
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.53	9.53	6.27	7.03

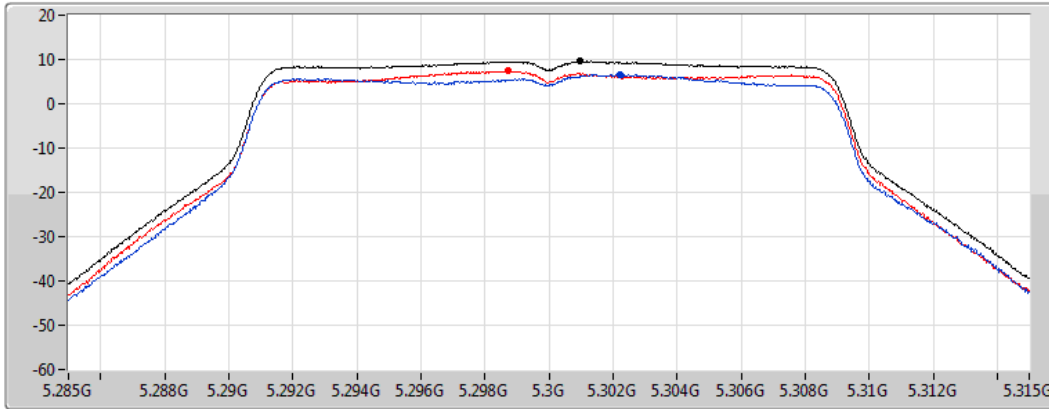
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5300MHz

24/12/2020

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.54	9.54	6.61	7.36

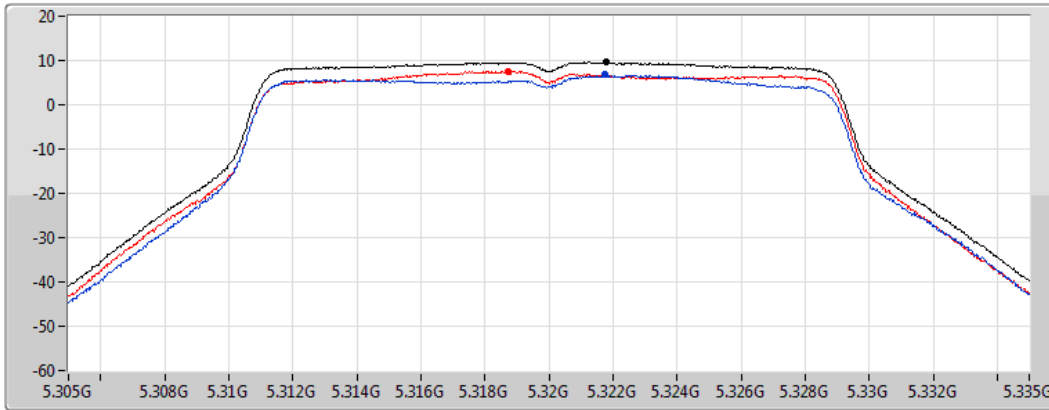
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

24/12/2020

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	6.78	7.57

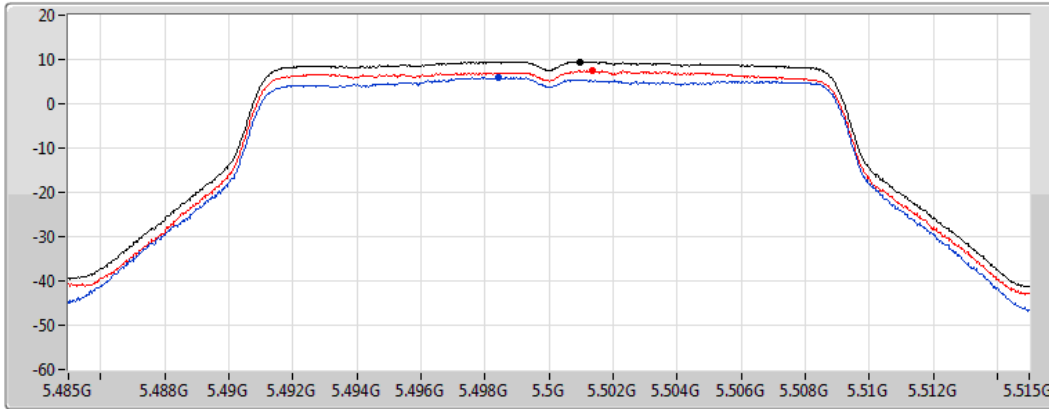
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

24/12/2020

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	5.90	7.46

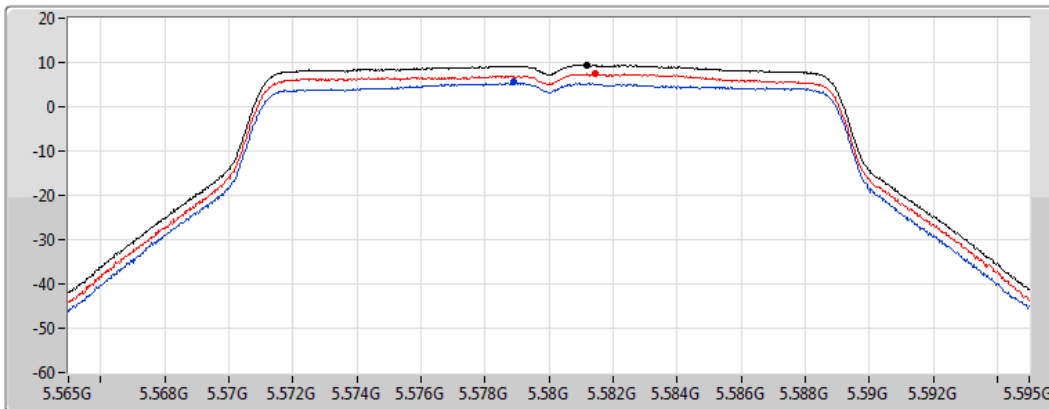
802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

24/12/2020

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.40	9.40	5.53	7.38

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

24/12/2020

CF
5.7GHz

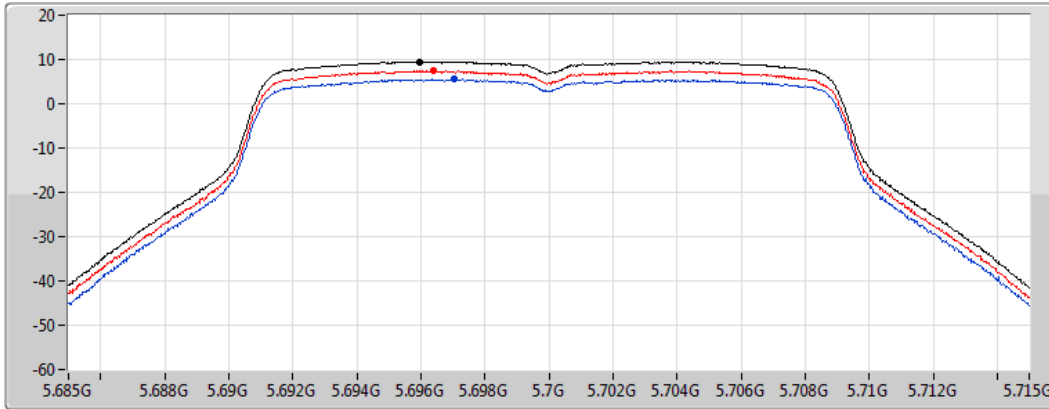
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.53	9.53	5.49	7.52

802.11ac VHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71GHz

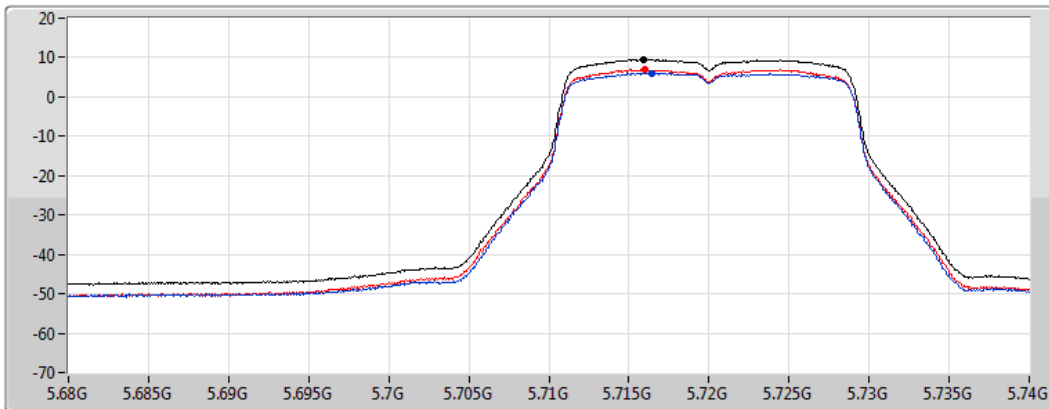
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.48	9.48	5.96	6.99

802.11ac VHT20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

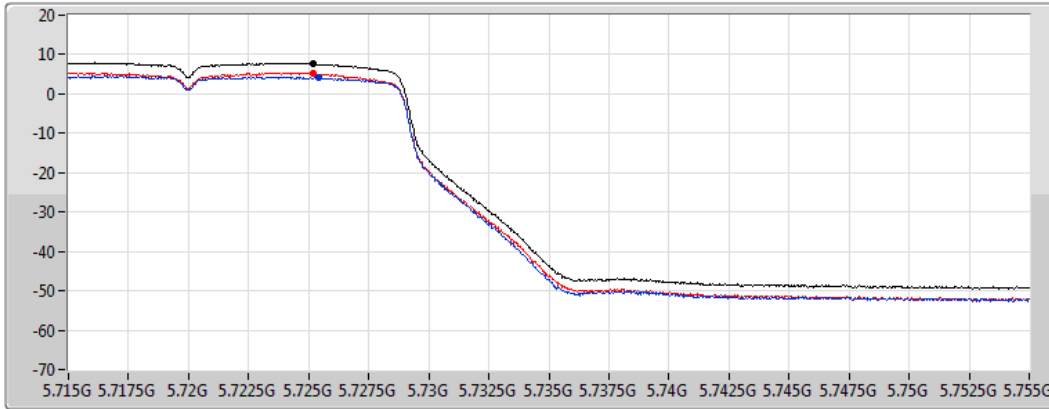
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.61	7.61	4.06	5.14

802.11ac VHT40_Nss1,(MCS0)_2TX
5270MHz

PSD

24/12/2020

CF
5.27GHz

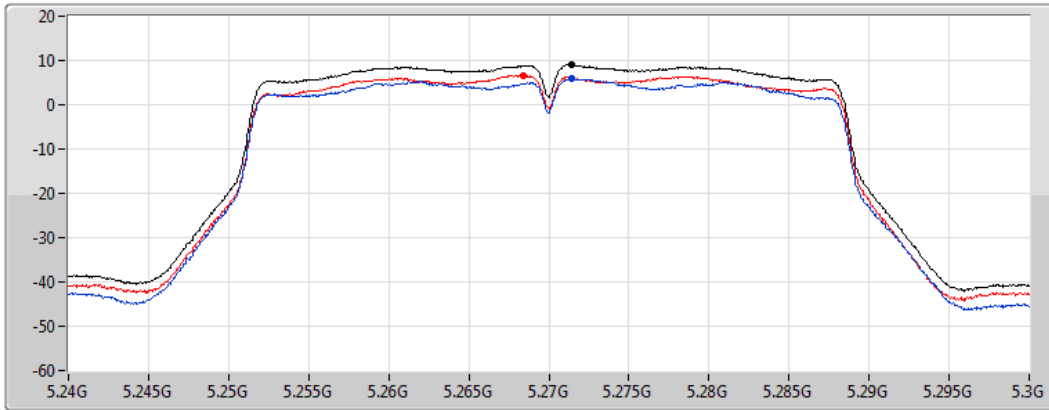
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.06	9.06	5.96	6.55

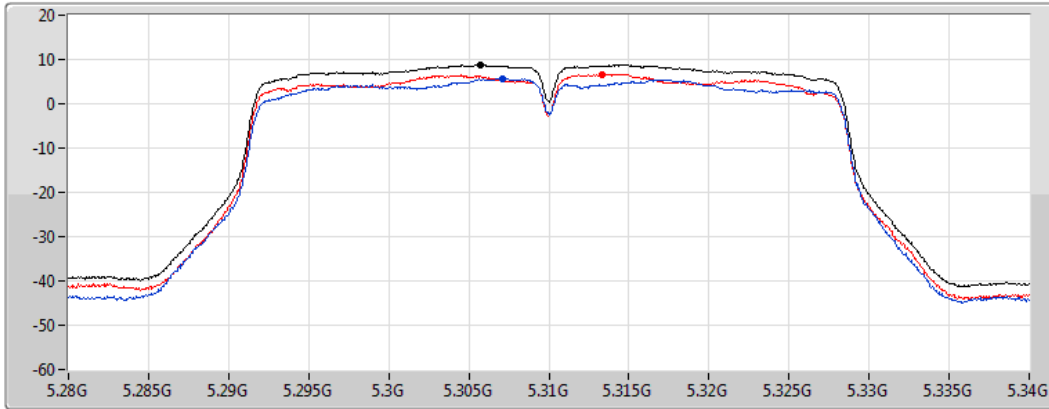
802.11ac VHT40_Nss1,(MCS0)_2TX




PSD

5310MHz

24/12/2020

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



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.86	8.86	5.78	6.65

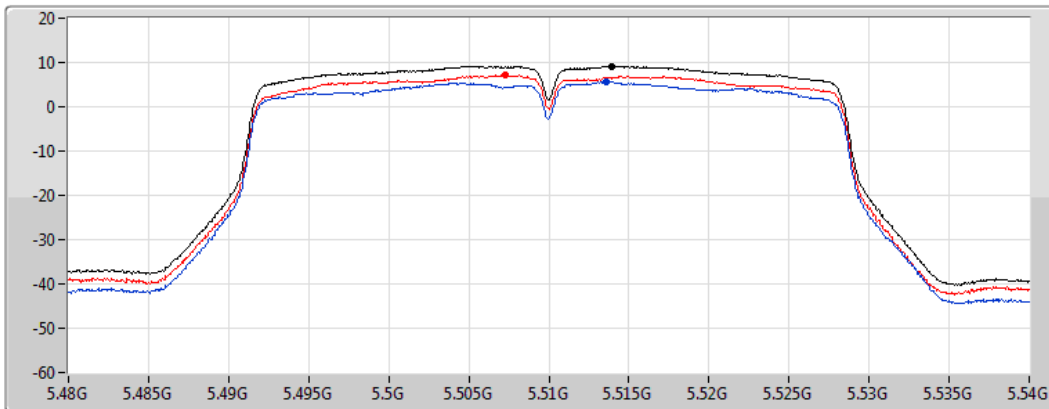
802.11ac VHT40_Nss1,(MCS0)_2TX




PSD

5510MHz

24/12/2020

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



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.16	9.16	5.67	7.12

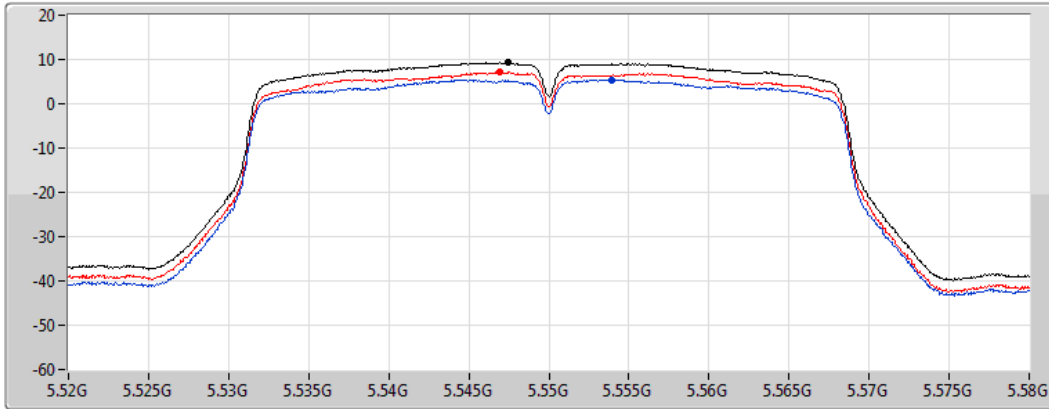
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

24/12/2020

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.24	9.24	5.44	7.11

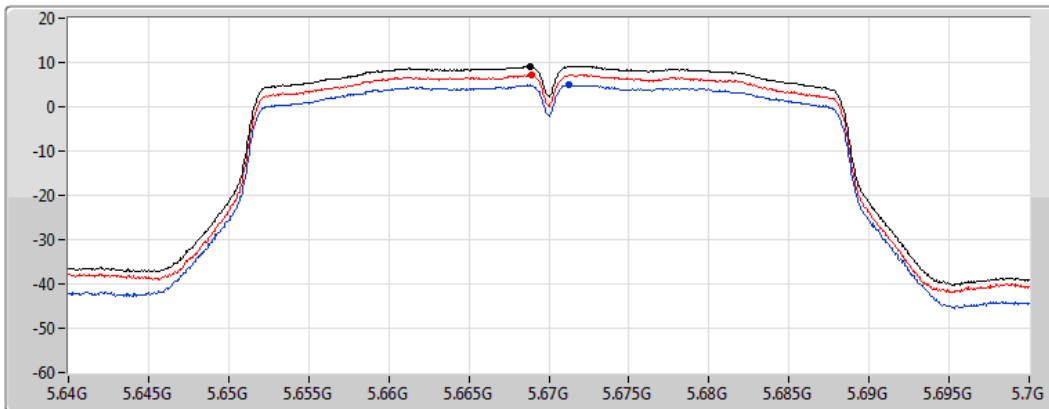
802.11ac VHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

24/12/2020

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.20	9.20	4.98	7.22

802.11ac VHT40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

PSD

24/12/2020

CF
5.69GHz

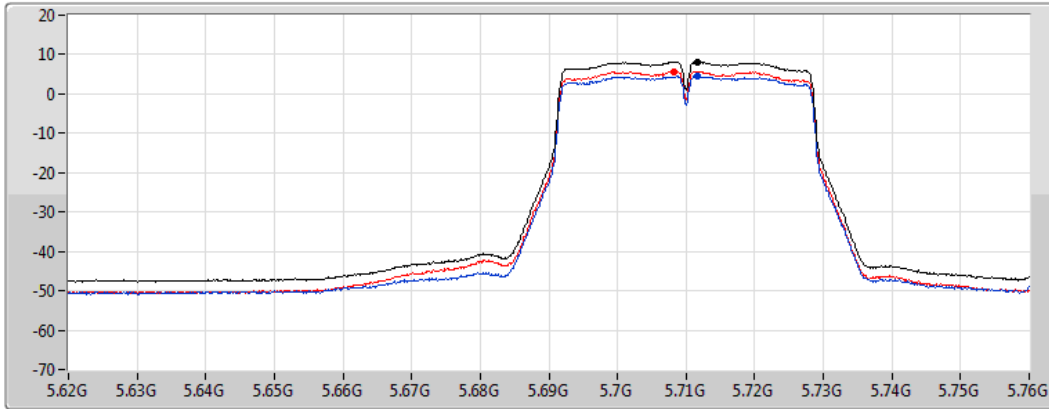
Span
140MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	4.63	5.74

802.11ac VHT40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

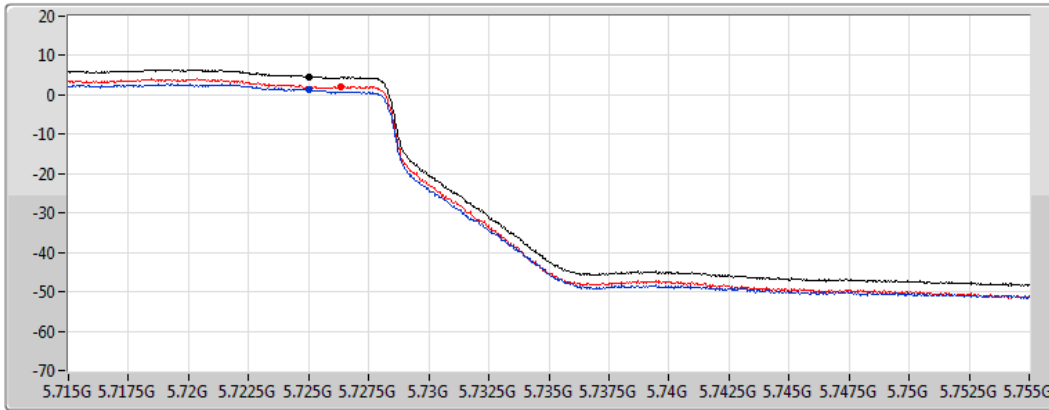
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.64	4.64	1.40	2.13

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

24/12/2020

CF
5.29GHz

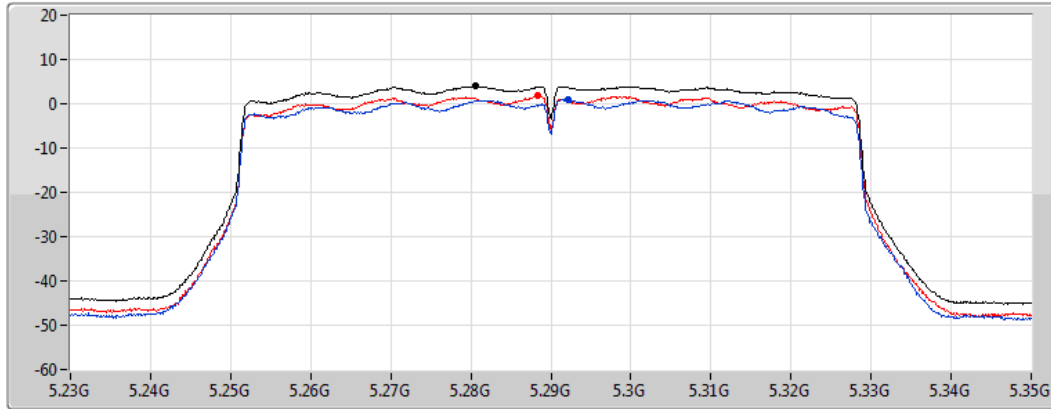
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.94	3.94	0.93	1.84

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5530MHz

24/12/2020

CF
5.53GHz

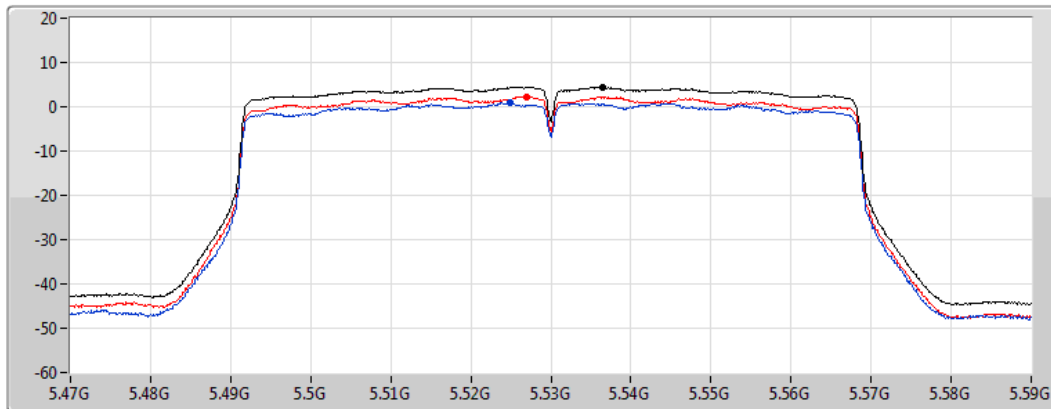
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.47	4.47	0.92	2.31

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5610MHz

24/12/2020

CF
5.61GHz

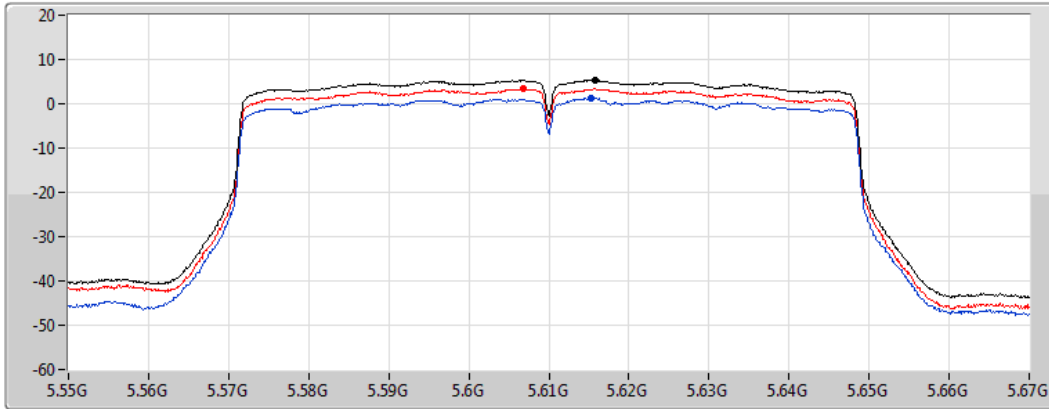
Span
120MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.37	5.37	1.22	3.43

802.11ac VHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.65GHz

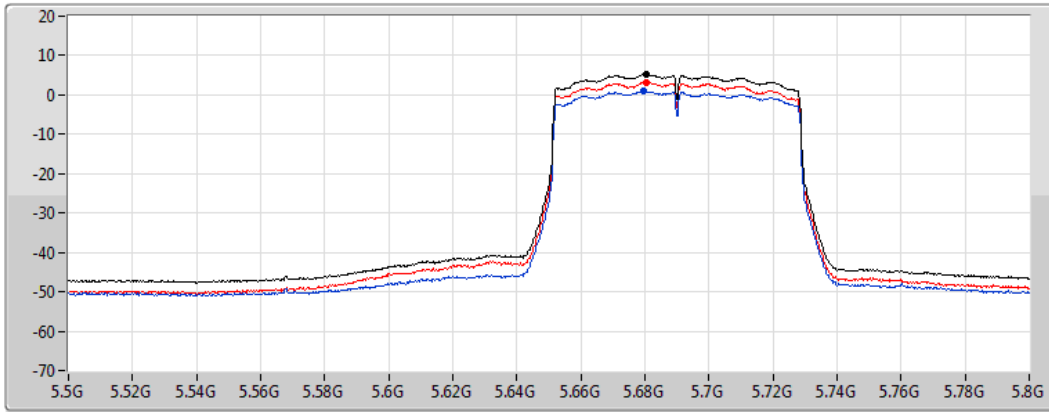
Span
300MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.17	5.17	0.88	3.23

802.11ac VHT80_Nss1,(MCS0)_2TX
5690MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

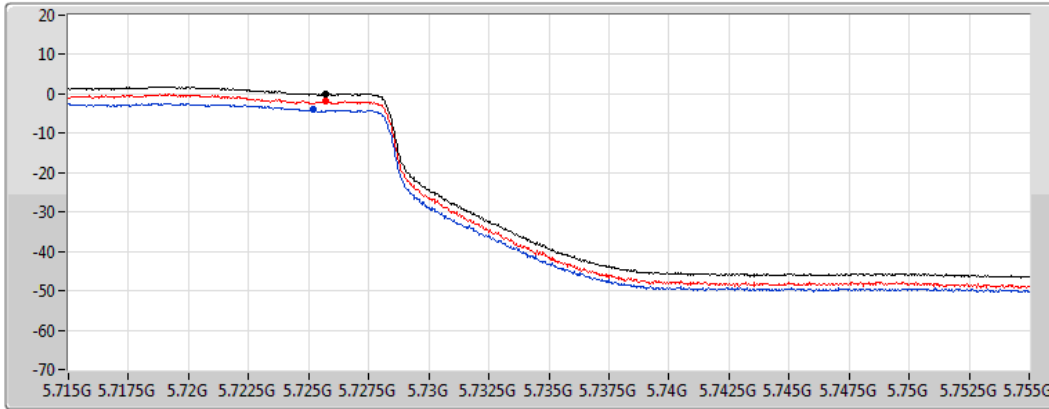
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.08	0.08	-4.02	-1.91

802.11ax HEW20_Nss1,(MCS0)_2TX
5260MHz

PSD

24/12/2020

CF
5.26GHz

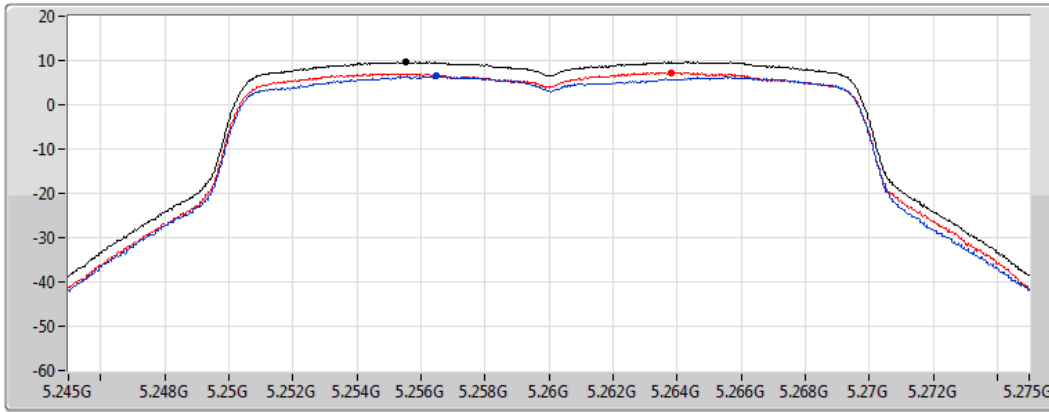
Span
30MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	6.50	7.33

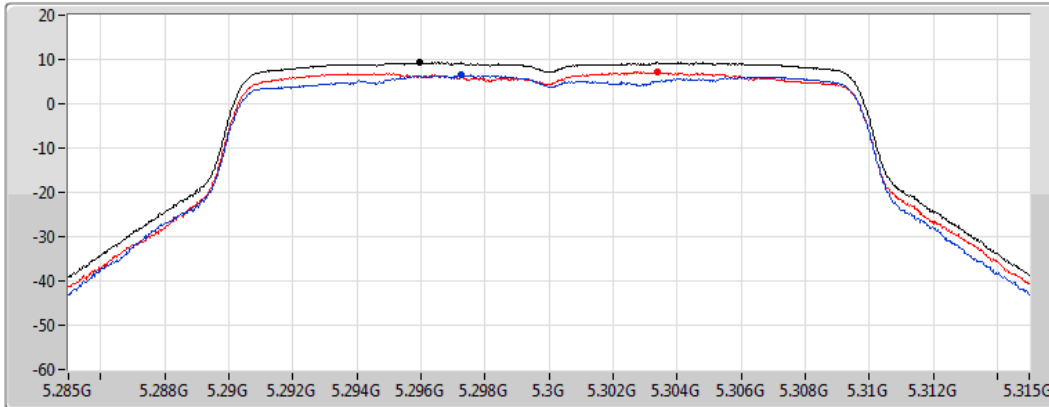
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5300MHz

24/12/2020

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.32	9.32	6.45	7.18

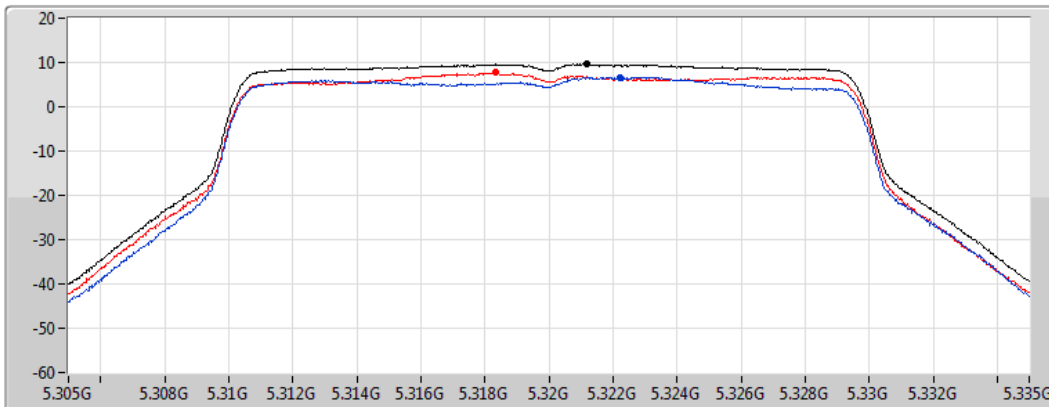
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5320MHz

24/12/2020

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.60	9.60	6.66	7.70

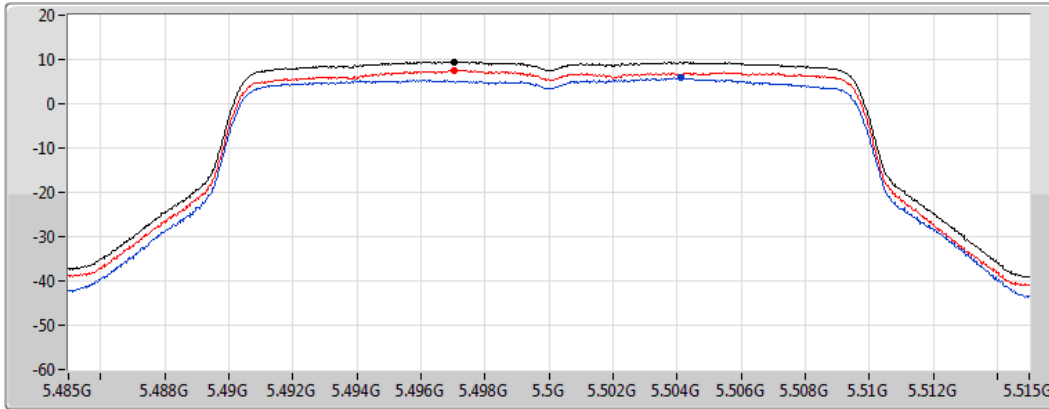
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5500MHz

24/12/2020

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.53	9.53	5.86	7.65

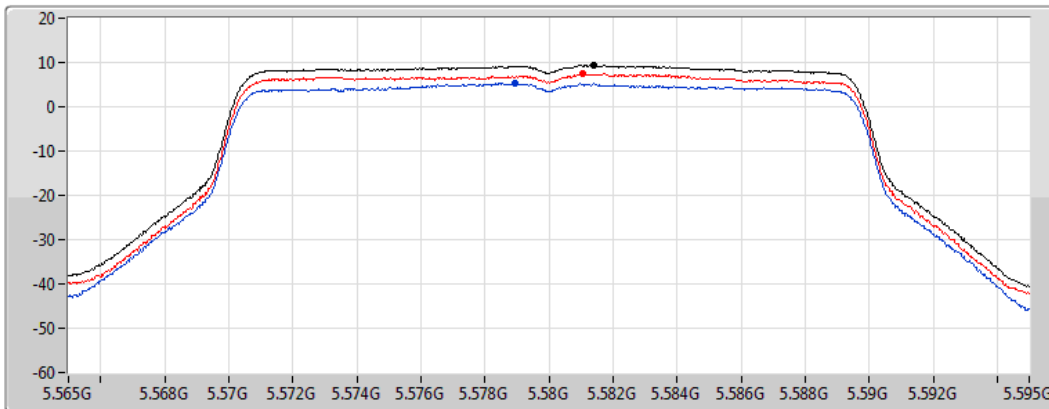
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

5580MHz

24/12/2020

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.38	9.38	5.32	7.45

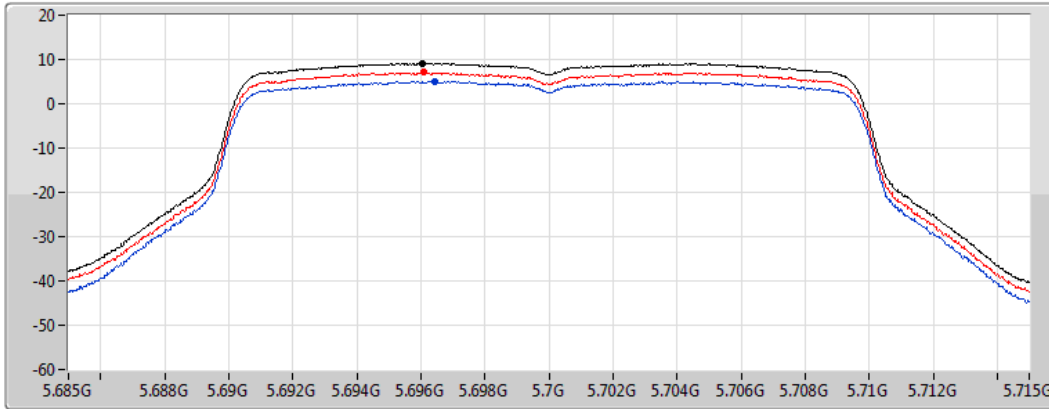
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5700MHz

24/12/2020

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.19	9.19	5.13	7.25

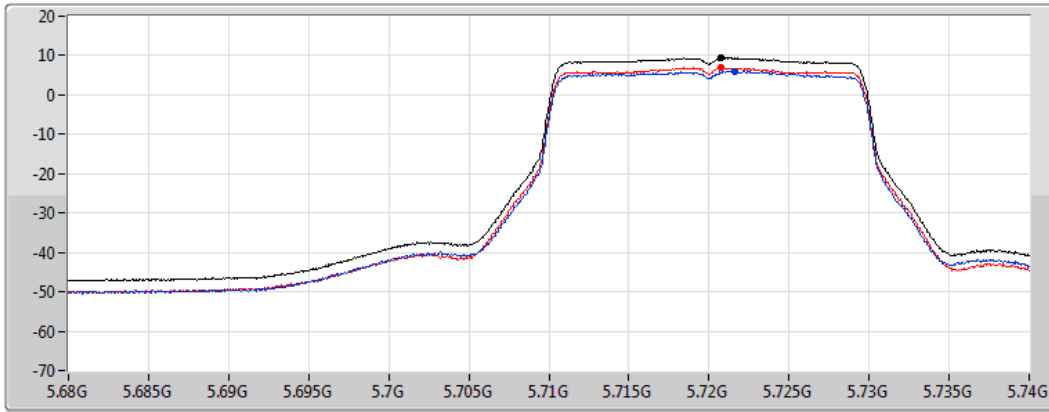
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.45	9.45	5.99	7.04

802.11ax HEW20_Nss1,(MCS0)_2TX
5720MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

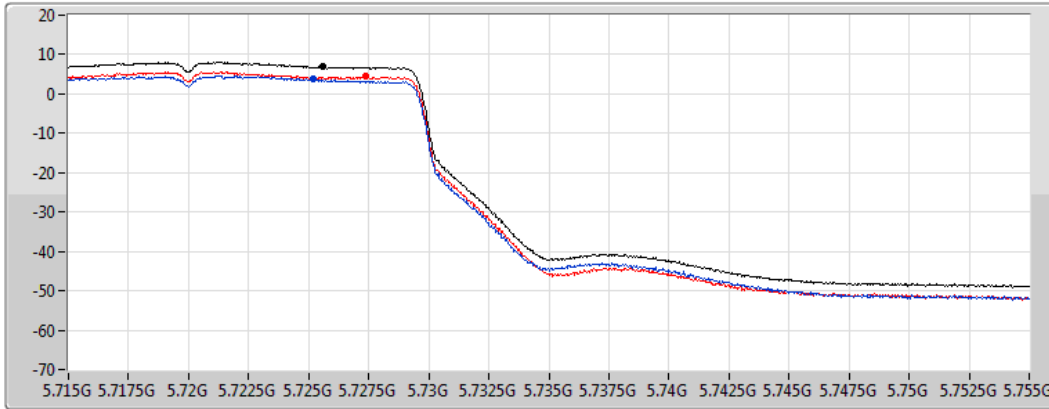
Span
40MHz


RBW
500kHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.87	6.87	3.67	4.38

802.11ax HEW40_Nss1,(MCS0)_2TX
5270MHz

PSD

24/12/2020

CF
5.27GHz

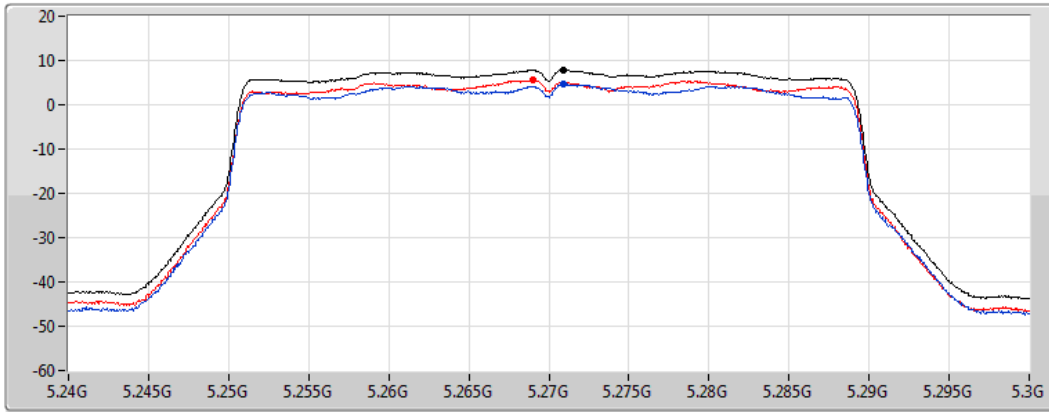
Span
60MHz


RBW
1MHz


VBW
3MHz


Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.94	7.94	4.76	5.49

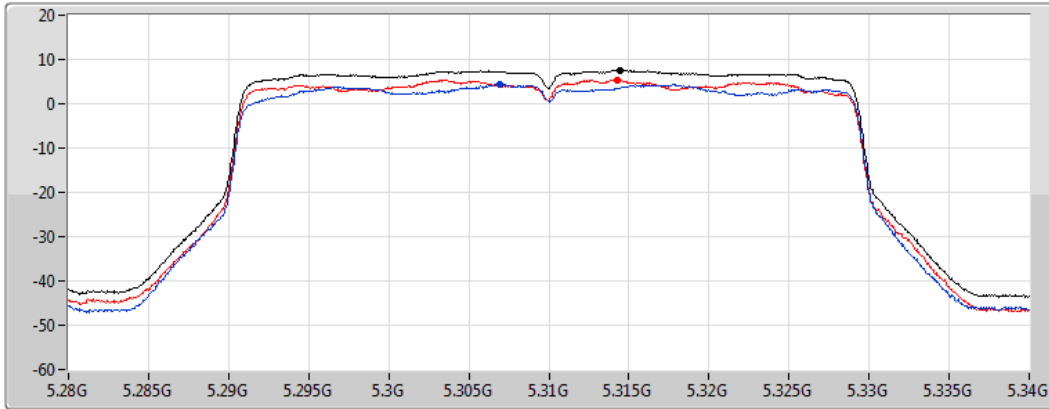
802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5310MHz

24/12/2020

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



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.56	7.56	4.52	5.33

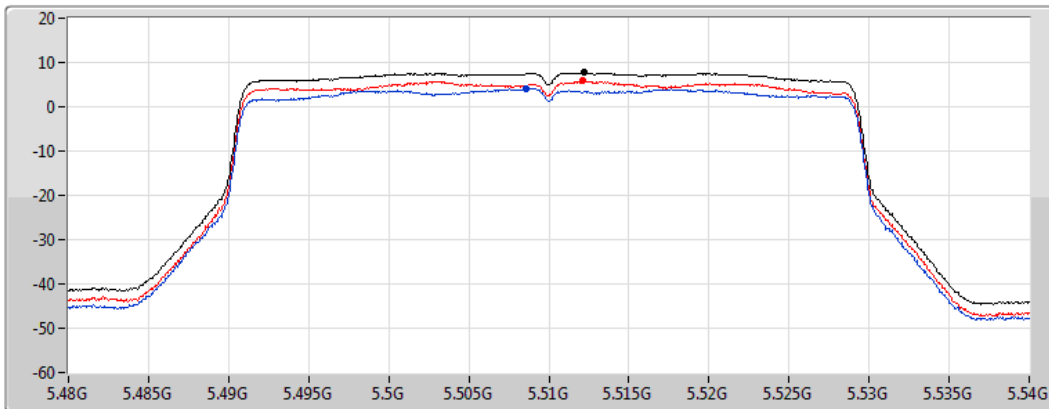
802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

5510MHz

24/12/2020

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



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.74	7.74	4.17	5.80

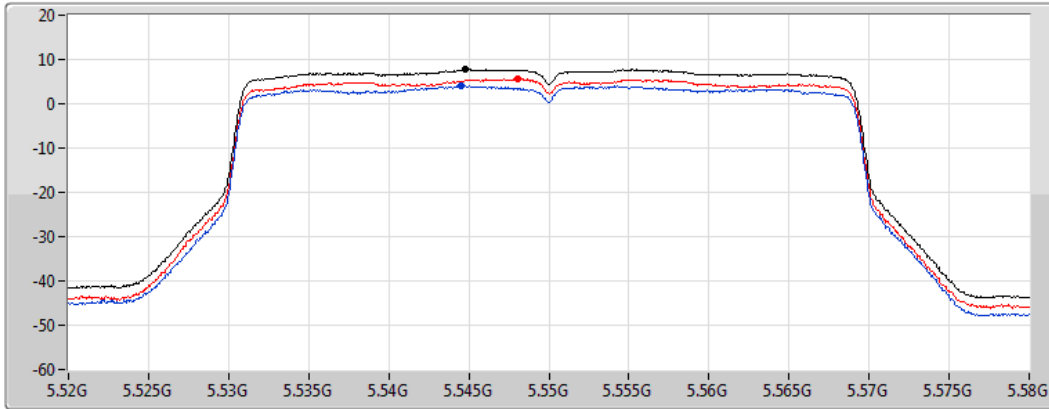
802.11ax HEW40_Nss1,(MCS0)_2TX




PSD

5550MHz

24/12/2020

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.76	7.76	4.05	5.57

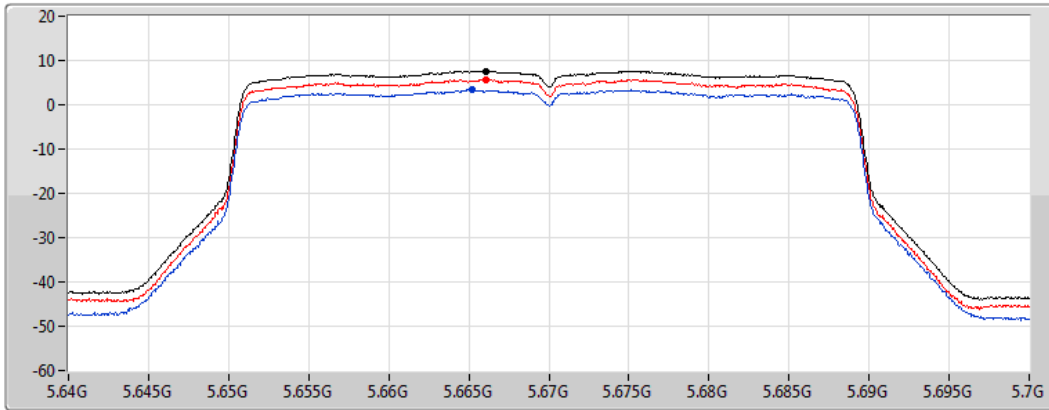
802.11ax HEW40_Nss1,(MCS0)_2TX




PSD

5670MHz

24/12/2020

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.57	7.57	3.50	5.63

802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.47-5.725GHz

PSD

24/12/2020

CF
5.69GHz

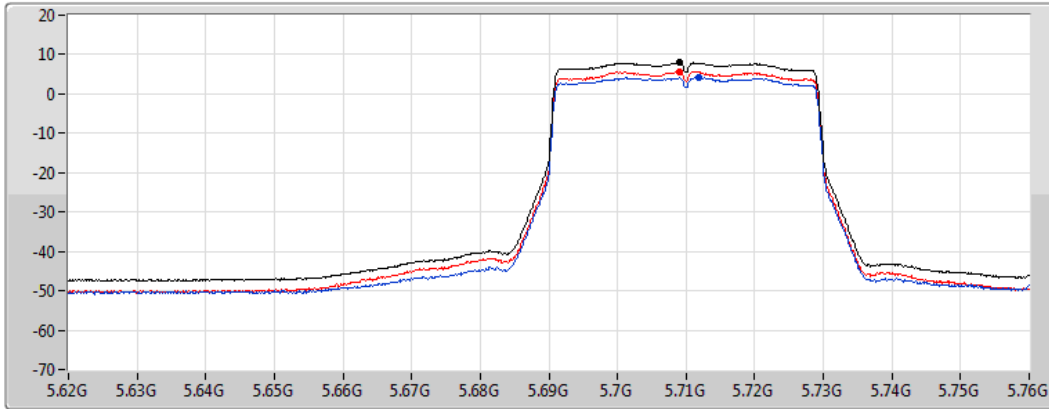
Span
140MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.98	7.98	4.09	5.73

802.11ax HEW40_Nss1,(MCS0)_2TX
5710MHz Straddle 5.725-5.85GHz

PSD

24/12/2020

CF
5.735GHz

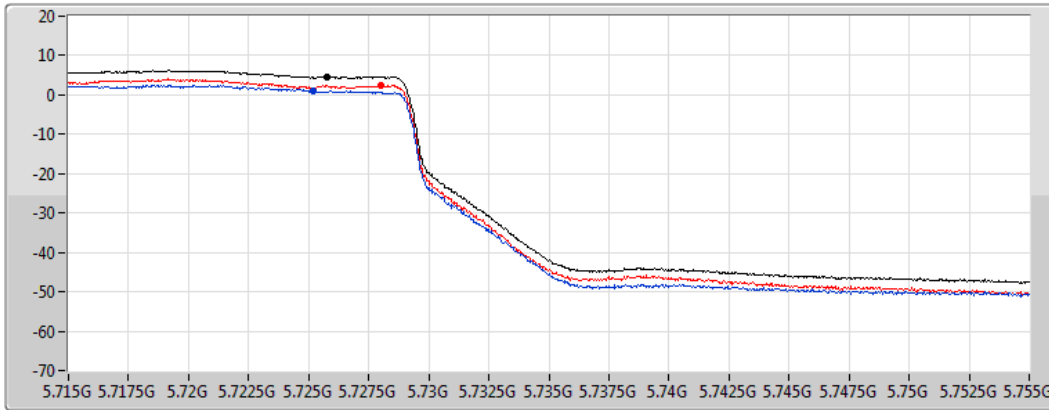
Span
40MHz

RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.61	4.61	0.98	2.37

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5290MHz

24/12/2020

CF
5.29GHz

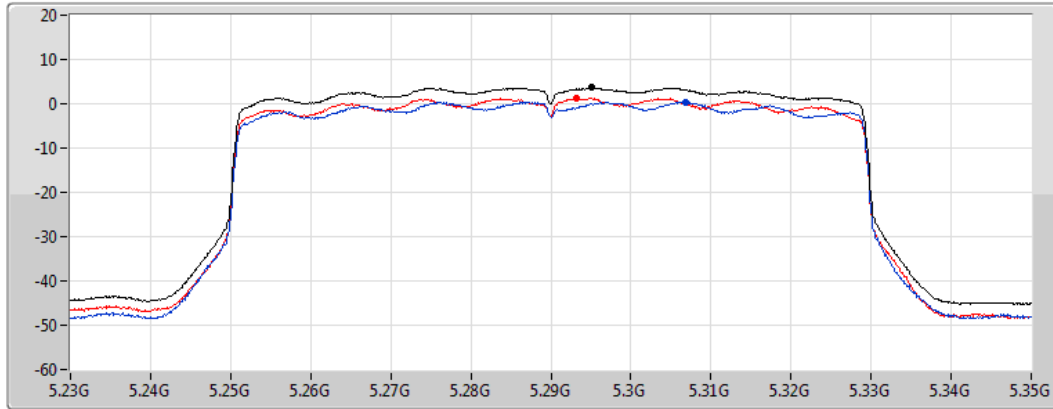
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.62	3.62	0.44	1.18

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5530MHz

24/12/2020

CF
5.53GHz

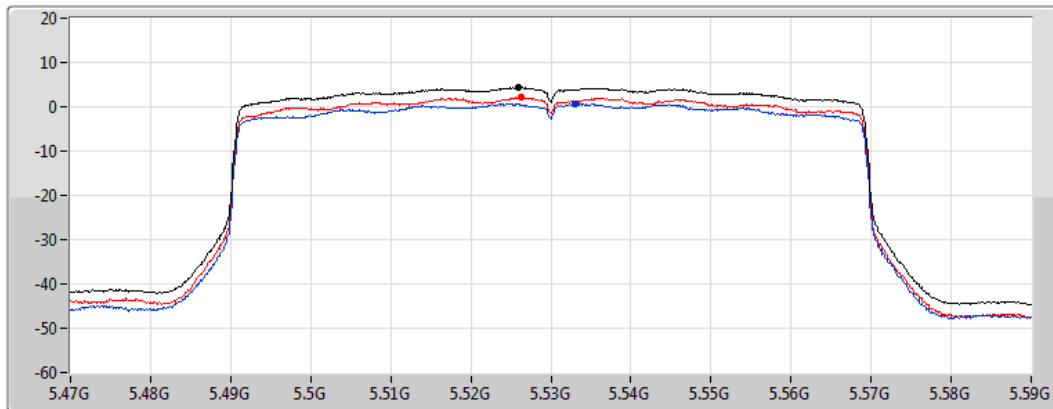
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

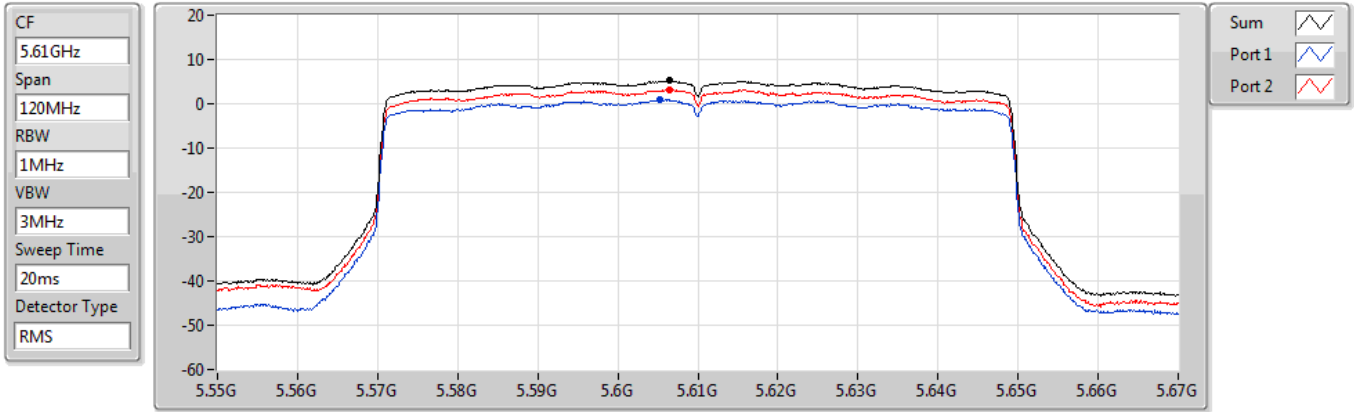
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.35	4.35	0.72	2.07

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5610MHz

24/12/2020



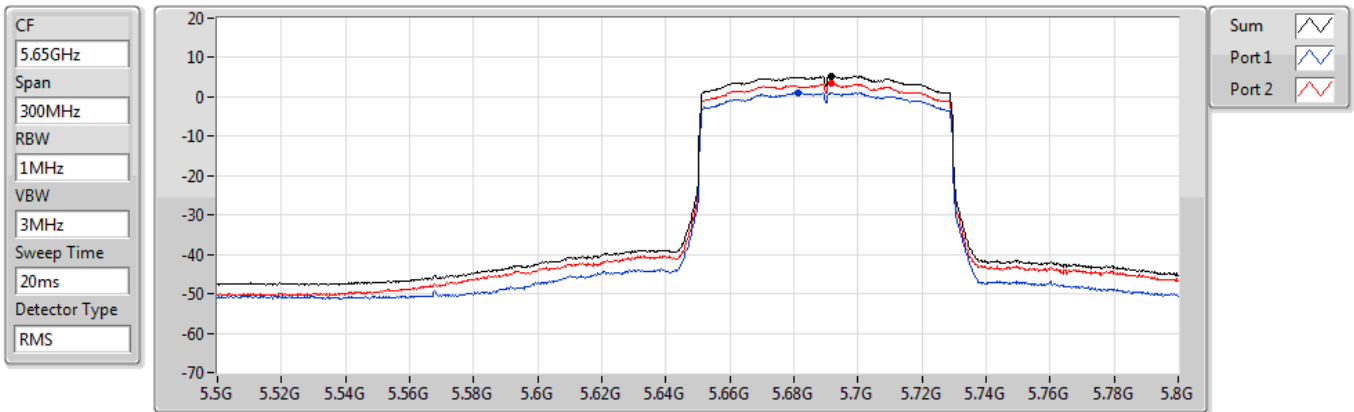
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.19	5.19	0.95	3.19

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

24/12/2020



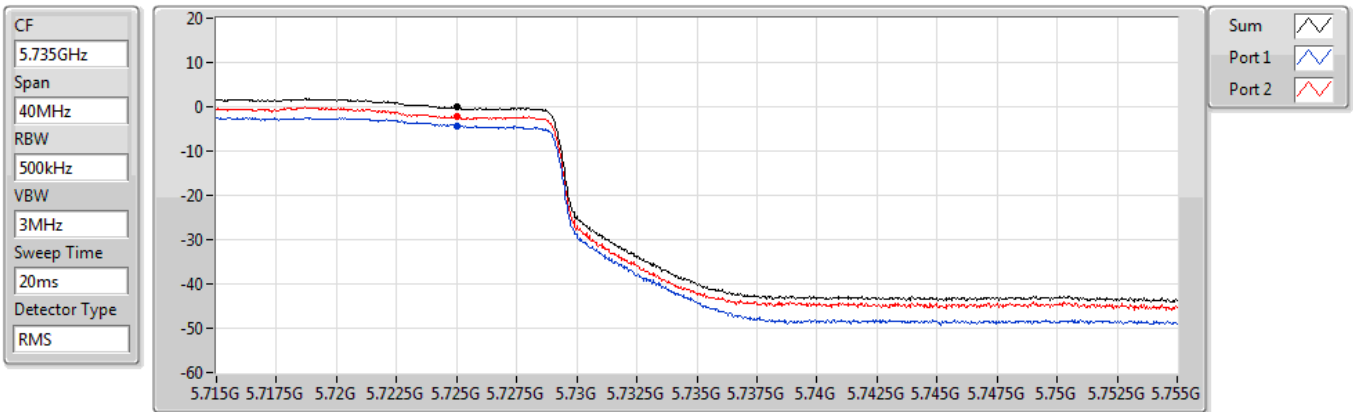
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.33	5.33	1.13	3.33

802.11ax HEW80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

24/12/2020



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.10	-0.10	-4.24	-2.22



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	9.32	13.48
802.11n HT20_Nss1,(MCS0)_1TX	8.80	12.96
802.11n HT40_Nss1,(MCS0)_1TX	5.42	9.58
802.11ac VHT20_Nss1,(MCS0)_1TX	8.53	12.69
802.11ac VHT40_Nss1,(MCS0)_1TX	5.67	9.83
802.11ac VHT80_Nss1,(MCS0)_1TX	-7.71	-3.55
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	8.47	12.63
802.11n HT20_Nss1,(MCS0)_1TX	8.15	12.31
802.11n HT40_Nss1,(MCS0)_1TX	4.74	8.90
802.11ac VHT20_Nss1,(MCS0)_1TX	8.02	12.18
802.11ac VHT40_Nss1,(MCS0)_1TX	5.00	9.16
802.11ac VHT80_Nss1,(MCS0)_1TX	0.38	4.54
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	5.16	9.32
802.11n HT20_Nss1,(MCS0)_1TX	4.54	8.70
802.11n HT40_Nss1,(MCS0)_1TX	0.55	4.71
802.11ac VHT20_Nss1,(MCS0)_1TX	4.61	8.77
802.11ac VHT40_Nss1,(MCS0)_1TX	0.51	4.67
802.11ac VHT80_Nss1,(MCS0)_1TX	-2.99	1.17

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	8.09	8.09	11.00	12.25	17.00
5300MHz	Pass	4.16	9.32	9.32	11.00	13.48	17.00
5320MHz	Pass	4.16	7.10	7.10	11.00	11.26	17.00
5500MHz	Pass	4.16	6.21	6.21	11.00	10.37	17.00
5580MHz	Pass	4.16	8.47	8.47	11.00	12.63	17.00
5700MHz	Pass	4.16	6.15	6.15	11.00	10.31	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	6.98	6.98	11.00	11.14	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	5.16	5.16	30.00	9.32	36.00
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	7.89	7.89	11.00	12.05	17.00
5300MHz	Pass	4.16	8.80	8.80	11.00	12.96	17.00
5320MHz	Pass	4.16	6.28	6.28	11.00	10.44	17.00
5500MHz	Pass	4.16	5.56	5.56	11.00	9.72	17.00
5580MHz	Pass	4.16	8.15	8.15	11.00	12.31	17.00
5700MHz	Pass	4.16	6.44	6.44	11.00	10.60	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	6.35	6.35	11.00	10.51	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	4.54	4.54	30.00	8.70	36.00
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	4.16	5.42	5.42	11.00	9.58	17.00
5310MHz	Pass	4.16	2.54	2.54	11.00	6.70	17.00
5510MHz	Pass	4.16	0.85	0.85	11.00	5.01	17.00
5550MHz	Pass	4.16	4.74	4.74	11.00	8.90	17.00
5670MHz	Pass	4.16	3.51	3.51	11.00	7.67	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.16	2.88	2.88	11.00	7.04	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.16	0.55	0.55	30.00	4.71	36.00
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5260MHz	Pass	4.16	7.78	7.78	11.00	11.94	17.00
5300MHz	Pass	4.16	8.53	8.53	11.00	12.69	17.00
5320MHz	Pass	4.16	6.08	6.08	11.00	10.24	17.00
5500MHz	Pass	4.16	5.45	5.45	11.00	9.61	17.00
5580MHz	Pass	4.16	8.02	8.02	11.00	12.18	17.00
5700MHz	Pass	4.16	5.88	5.88	11.00	10.04	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.16	6.28	6.28	11.00	10.44	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.16	4.61	4.61	30.00	8.77	36.00
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5270MHz	Pass	4.16	5.67	5.67	11.00	9.83	17.00
5310MHz	Pass	4.16	2.63	2.63	11.00	6.79	17.00
5510MHz	Pass	4.16	1.13	1.13	11.00	5.29	17.00
5550MHz	Pass	4.16	5.00	5.00	11.00	9.16	17.00
5670MHz	Pass	4.16	3.06	3.06	11.00	7.22	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.16	2.84	2.84	11.00	7.00	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.16	0.51	0.51	30.00	4.67	36.00
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5290MHz	Pass	4.16	-7.71	-7.71	11.00	-3.55	17.00
5530MHz	Pass	4.16	-7.93	-7.93	11.00	-3.77	17.00
5610MHz	Pass	4.16	0.08	0.08	11.00	4.24	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.16	0.38	0.38	11.00	4.54	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.16	-2.99	-2.99	30.00	1.17	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)_1TX

PSD

5260MHz

11/11/2020

CF
5.26GHz

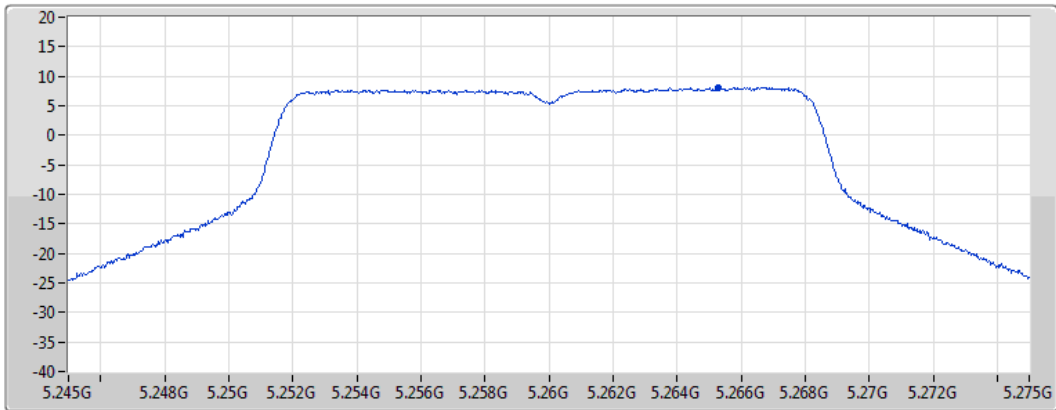
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.09	8.09	8.09

802.11a_Nss1,(6Mbps)_1TX

PSD

5300MHz

11/11/2020

CF
5.3GHz

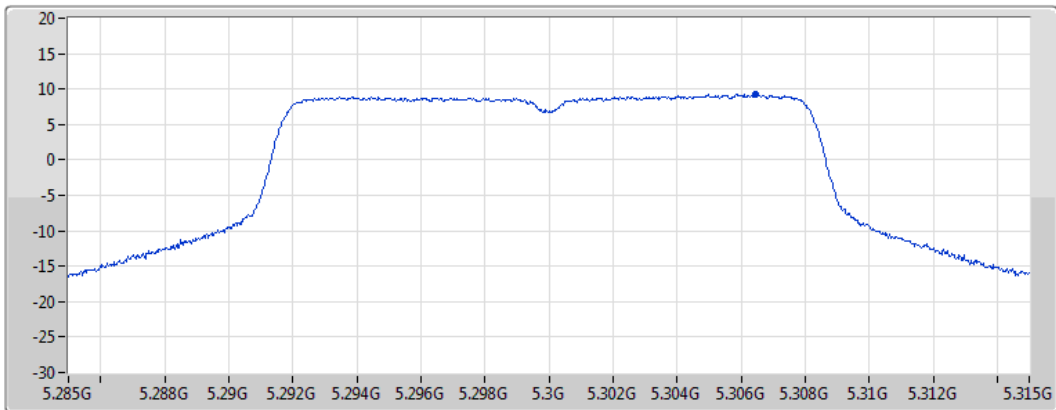
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.32	9.32	9.32

802.11a_Nss1,(6Mbps)_1TX

PSD

5320MHz

11/11/2020

CF
5.32GHz

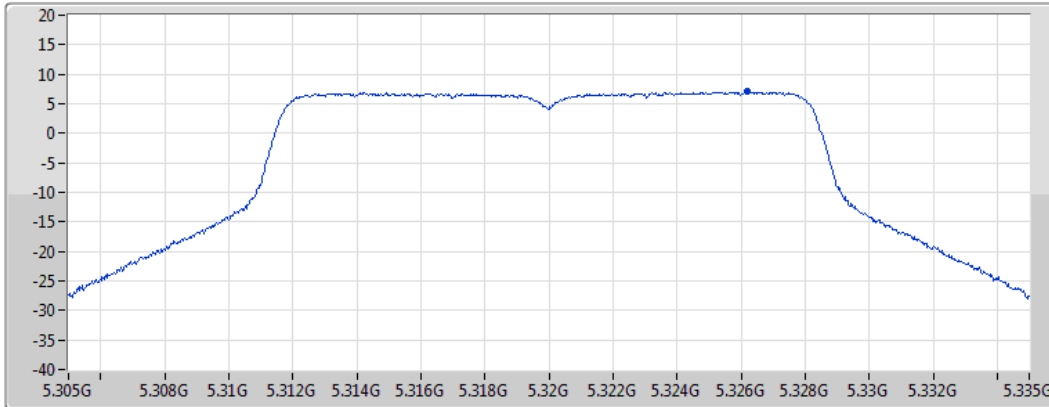
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.10	7.10	7.10

802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

11/11/2020

CF
5.5GHz

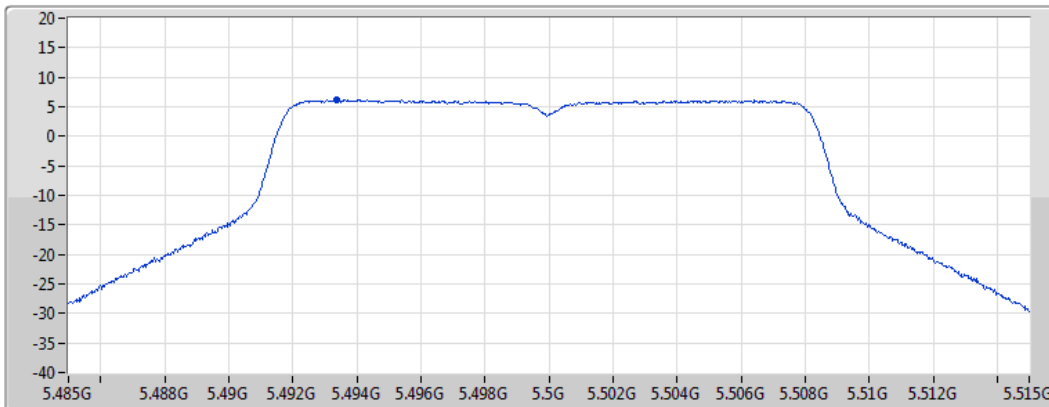
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.21	6.21	6.21

802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

11/11/2020

CF
5.58GHz

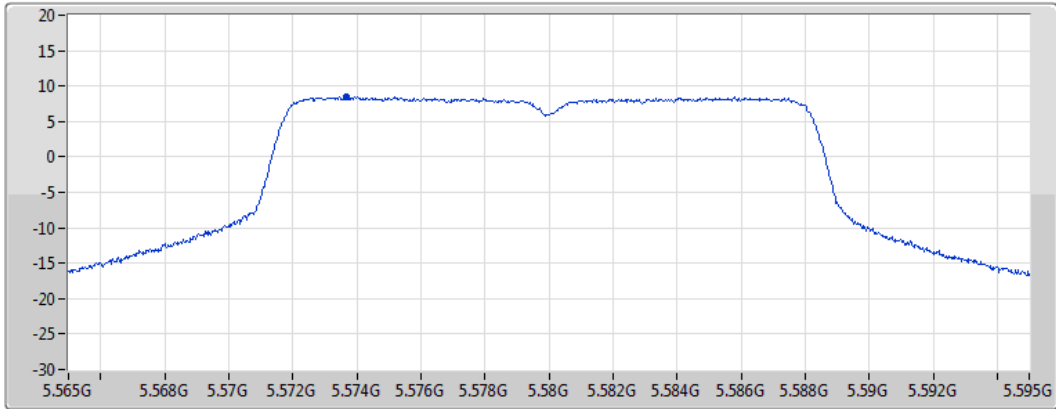
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.47	8.47	8.47

802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

11/11/2020

CF
5.7GHz

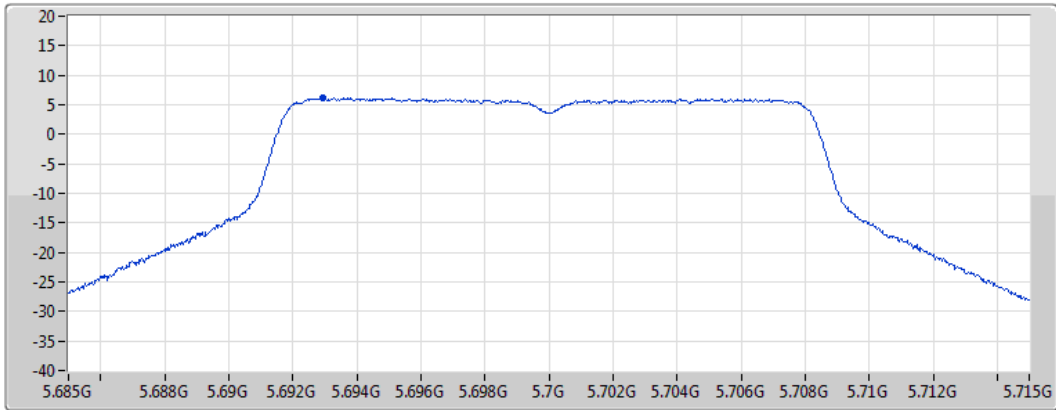
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.15	6.15	6.15

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/11/2020

CF
5.71GHz

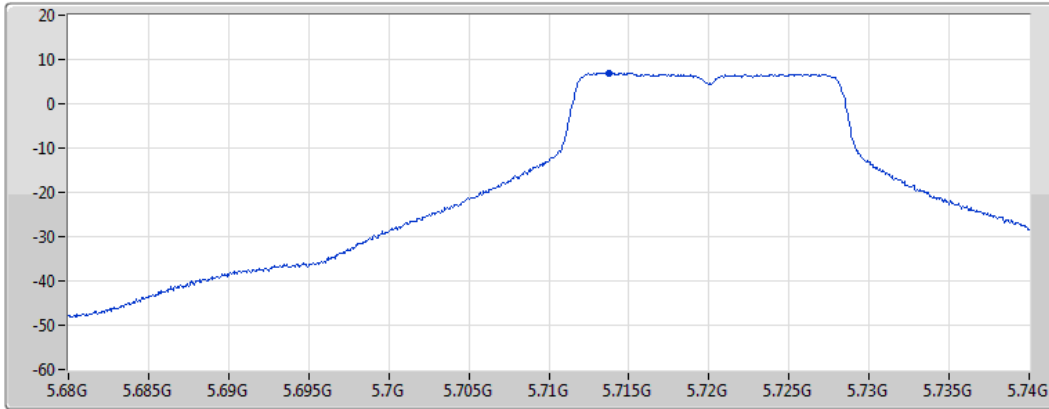
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.98	6.98	6.98

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

11/11/2020

CF
5.735GHz

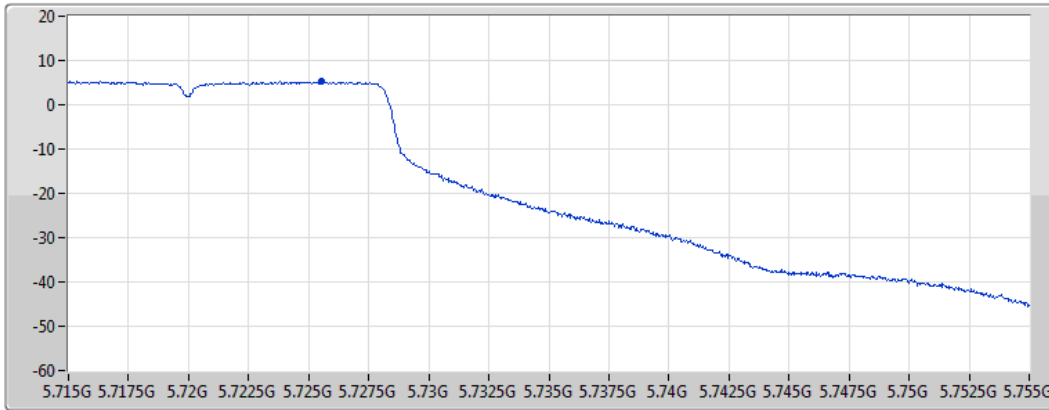
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	5.16

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5260MHz

24/12/2020

CF
5.26GHz

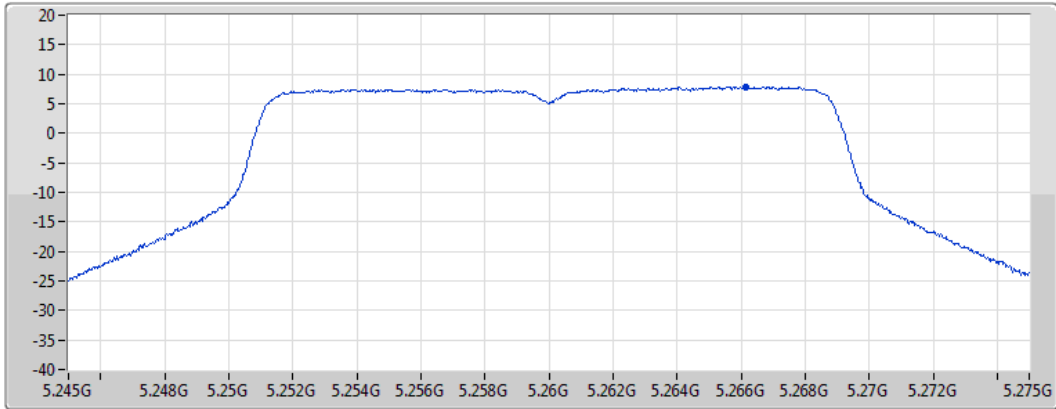
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.89	7.89	7.89

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5300MHz

24/12/2020

CF
5.3GHz

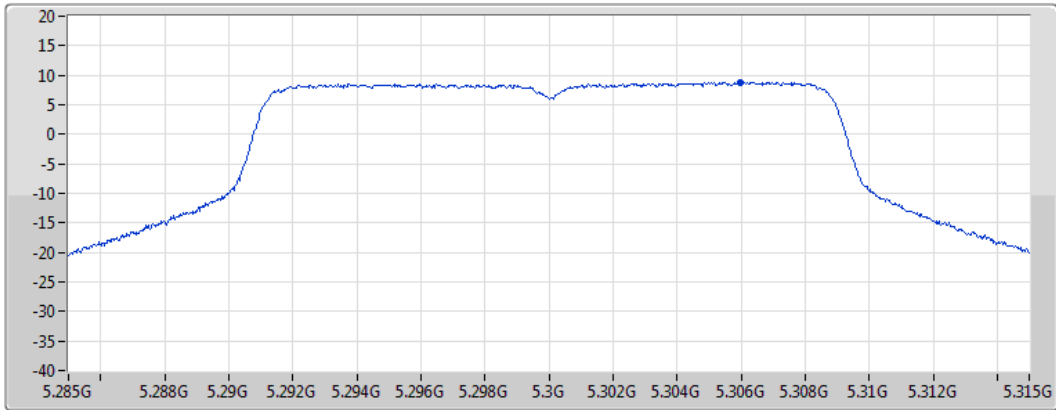
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.80	8.80	8.80

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5320MHz

24/12/2020

CF
5.32GHz

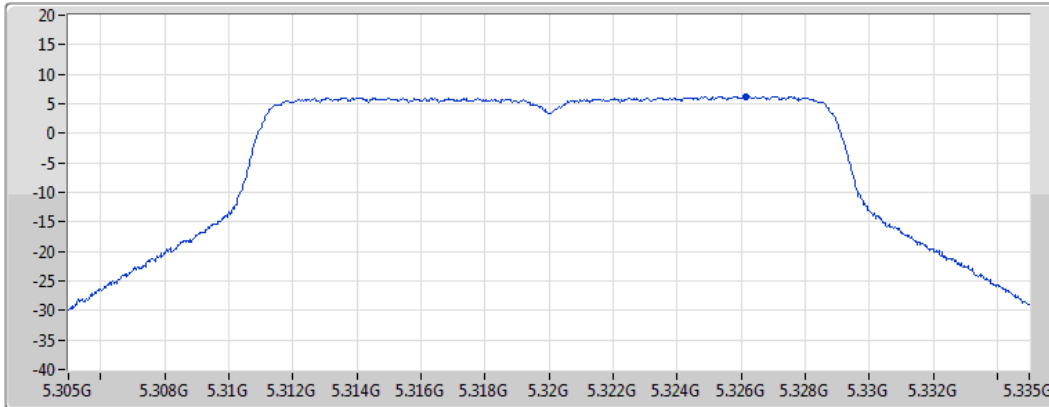
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.28	6.28	6.28

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5500MHz

24/12/2020

CF
5.5GHz

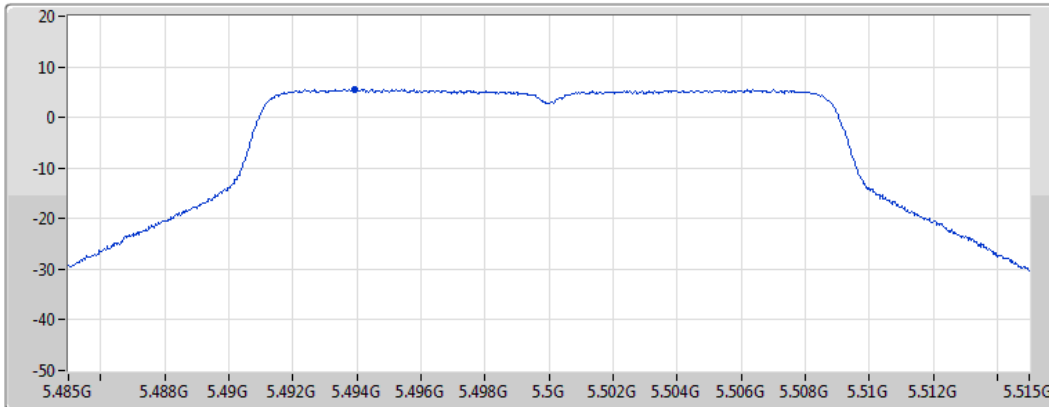
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.56	5.56	5.56

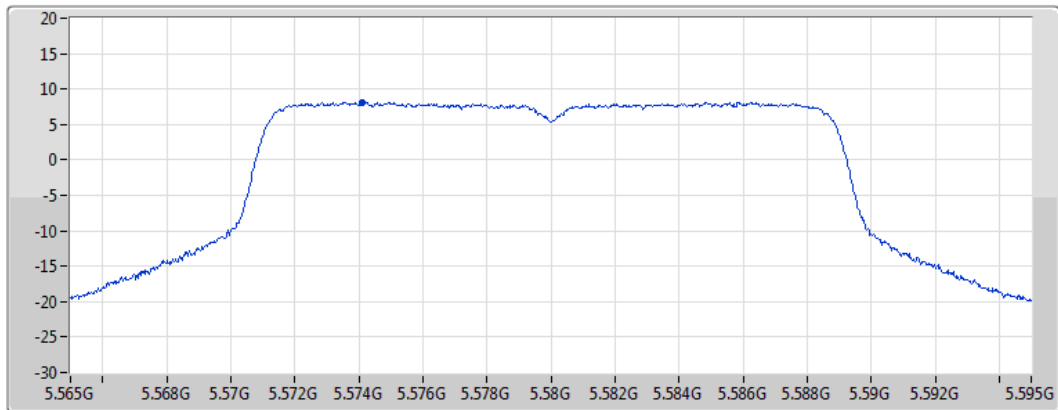
802.11n HT20_Nss1,(MCS0)_1TX


PSD

5580MHz

24/12/2020

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.15	8.15	8.15

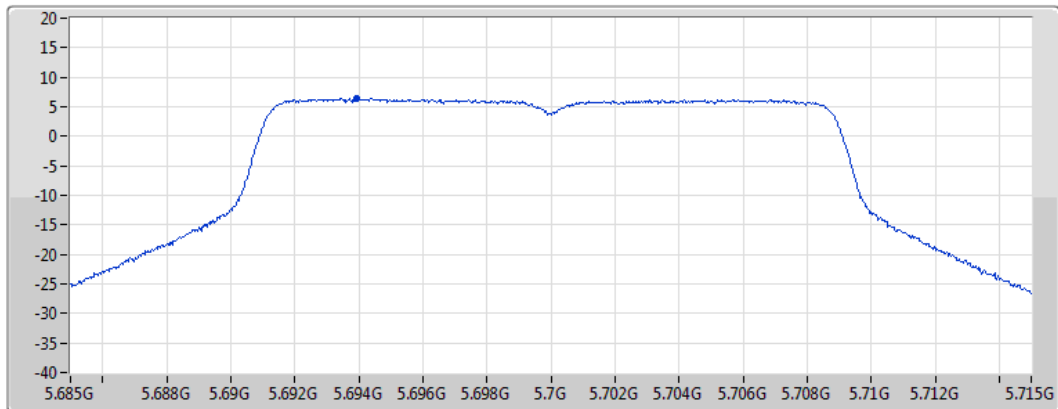
802.11n HT20_Nss1,(MCS0)_1TX


PSD

5700MHz

24/12/2020

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.44	6.44	6.44

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.71GHz

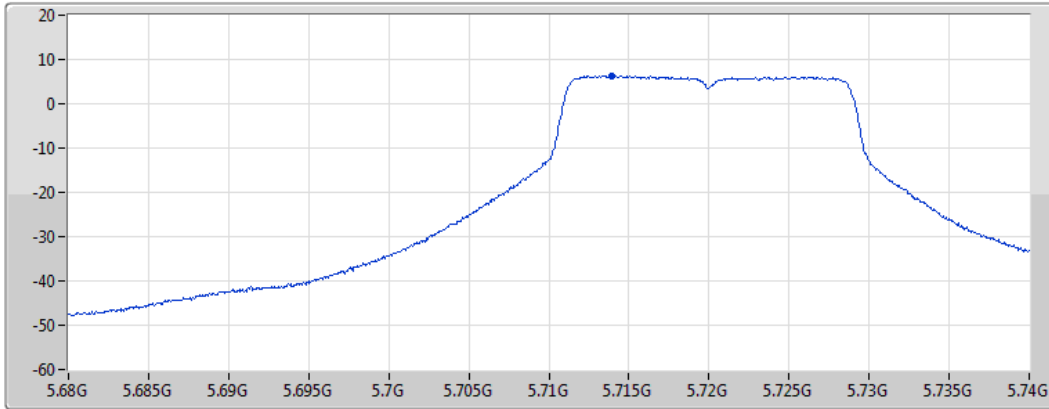
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.35	6.35	6.35

802.11n HT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.735GHz

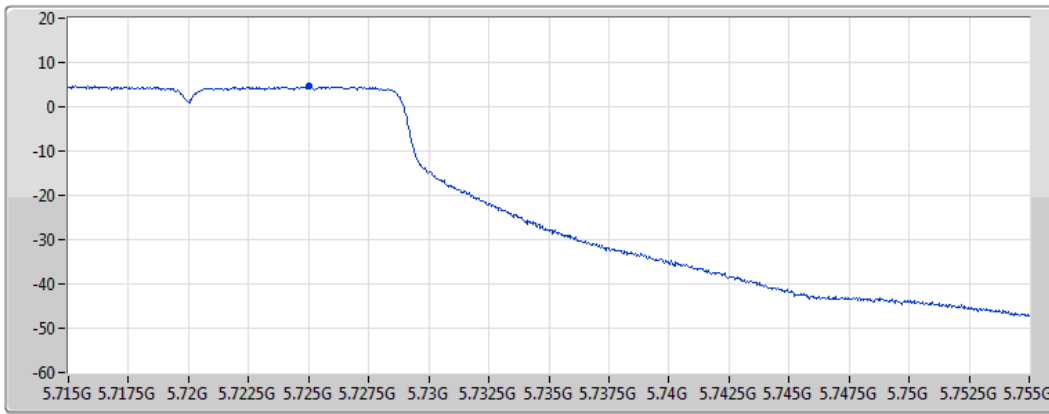
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.54	4.54	4.54

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5270MHz

24/12/2020

CF
5.27GHz

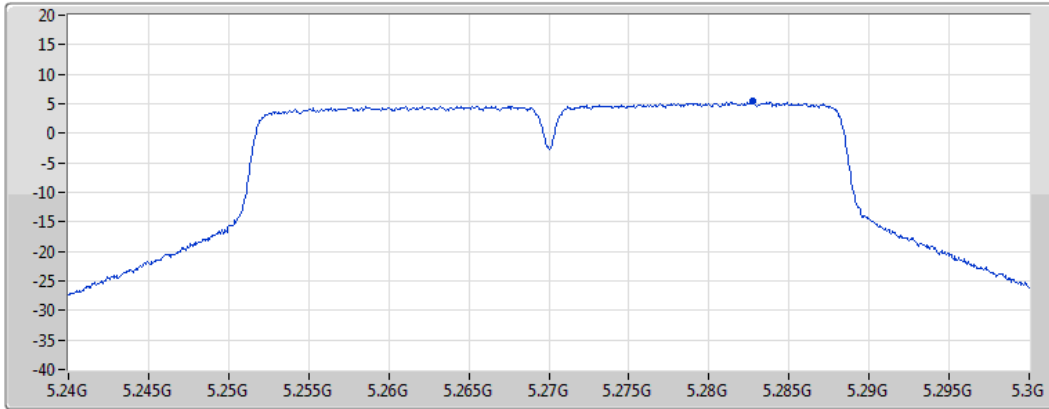
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	5.42

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5310MHz

24/12/2020

CF
5.31GHz

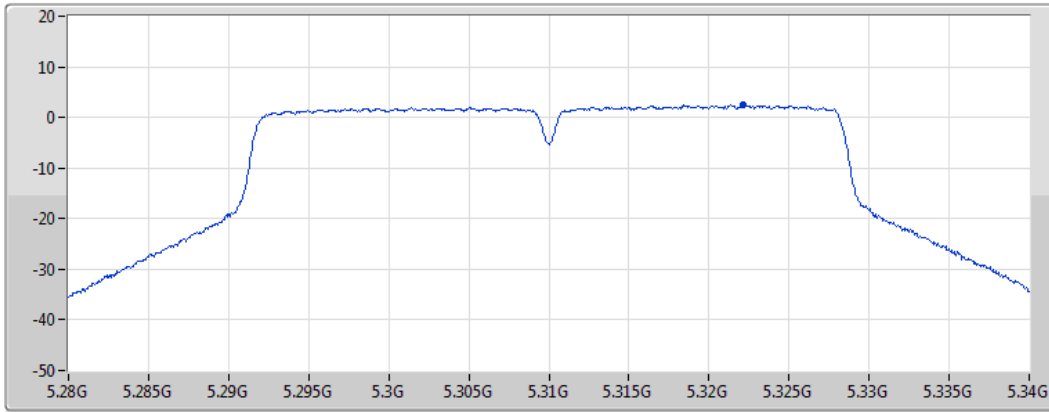
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.54	2.54	2.54

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5510MHz

24/12/2020

CF
5.51GHz

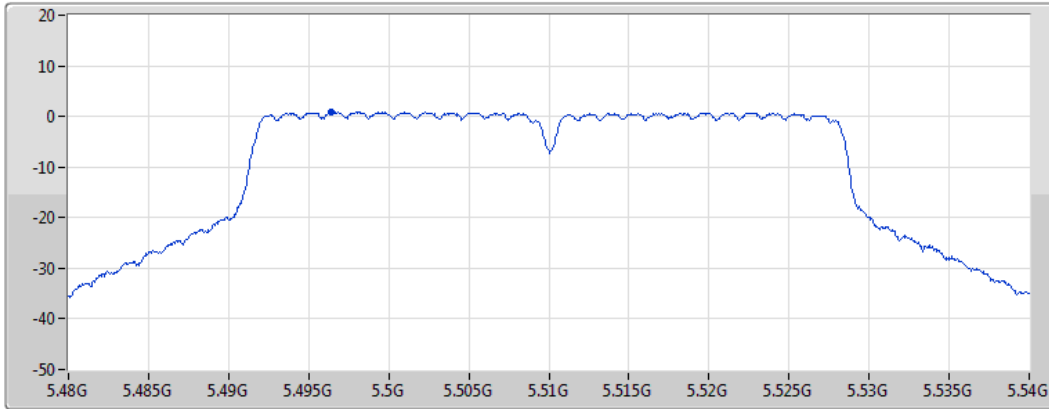
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.85	0.85	0.85

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5550MHz

24/12/2020

CF
5.55GHz

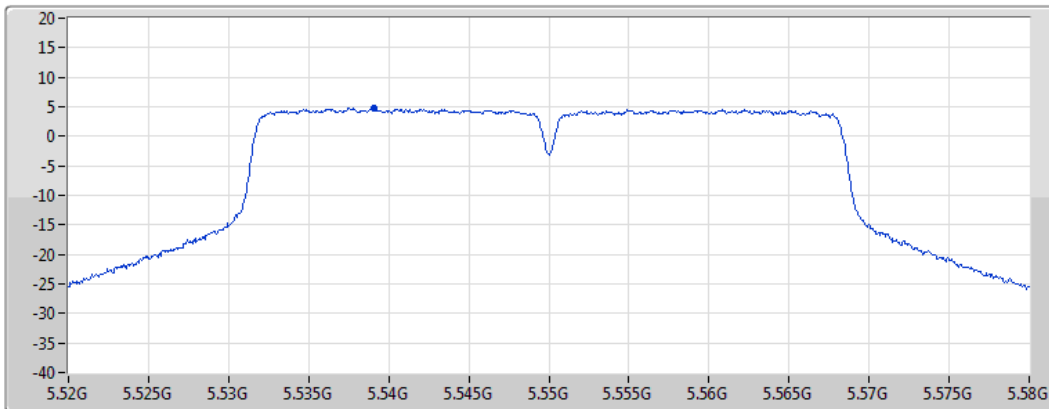
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.74	4.74	4.74

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5670MHz

24/12/2020

CF
5.67GHz

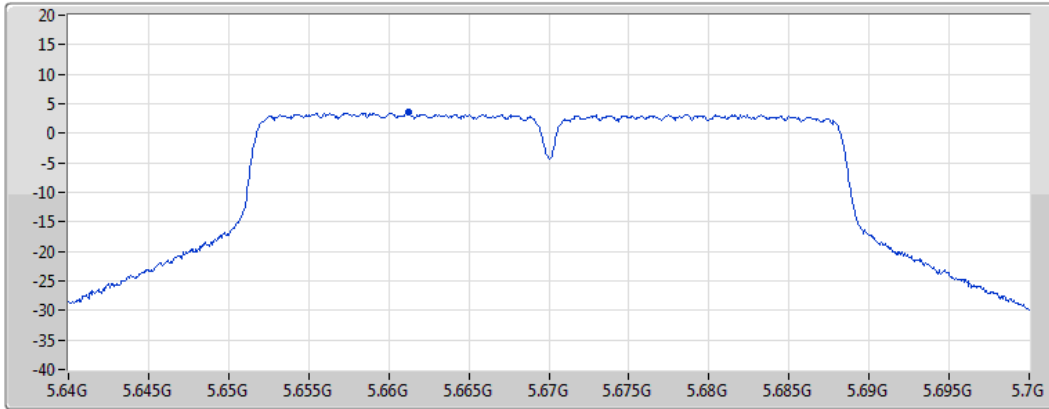
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.51	3.51	3.51

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.47-5.725GHz

24/12/2020

CF
5.69GHz

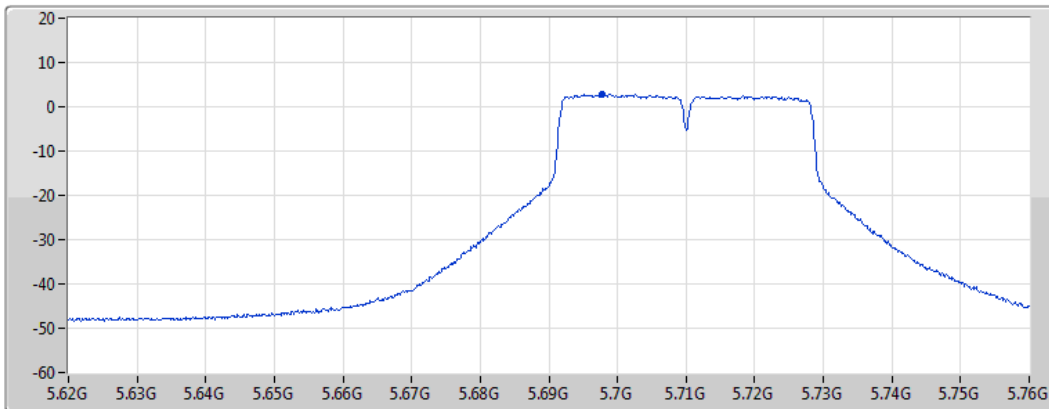
Span
140MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	2.88

802.11n HT40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.725-5.85GHz

24/12/2020

CF
5.735GHz

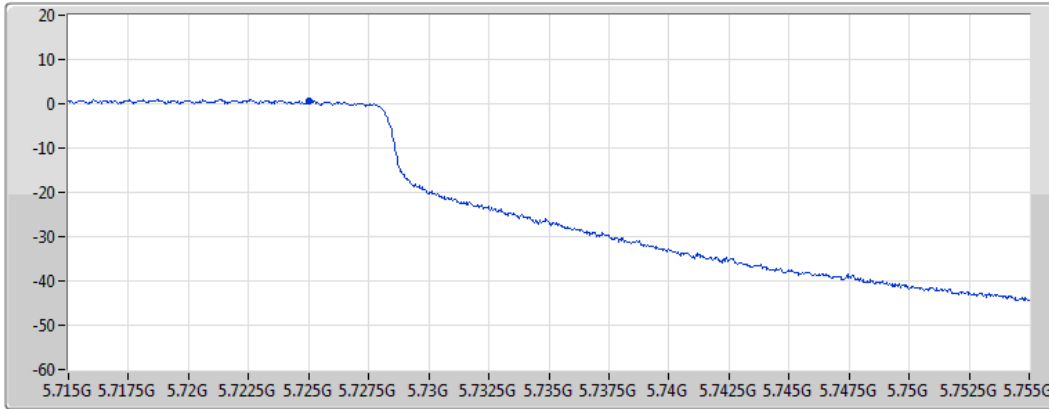
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.55	0.55	0.55

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5260MHz

11/11/2020

CF
5.26GHz

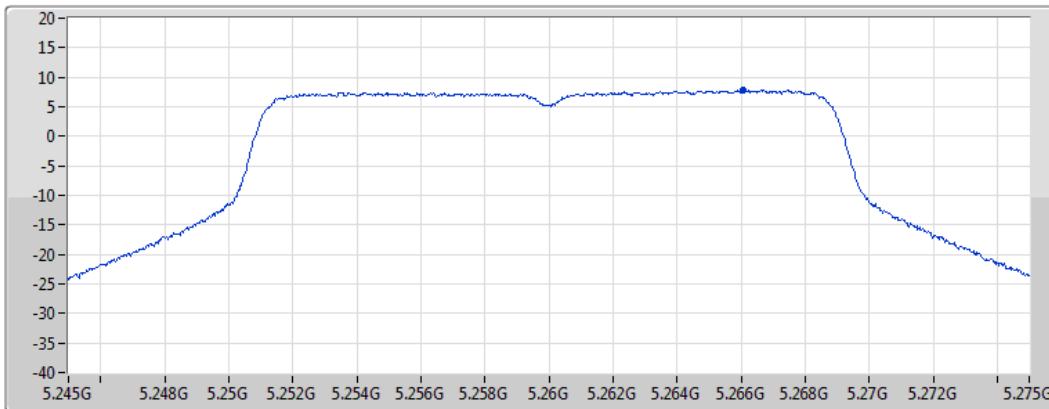
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.78	7.78	7.78

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5300MHz

11/11/2020

CF
5.3GHz

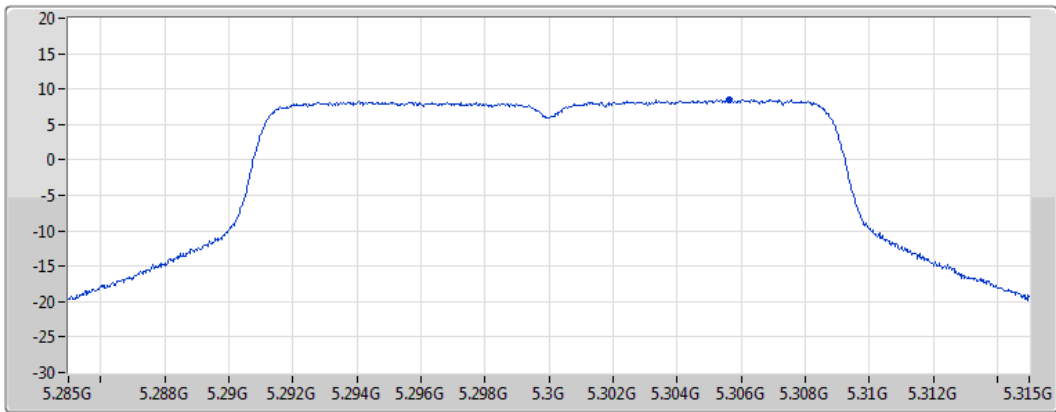
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.53	8.53	8.53

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5320MHz

11/11/2020

CF
5.32GHz

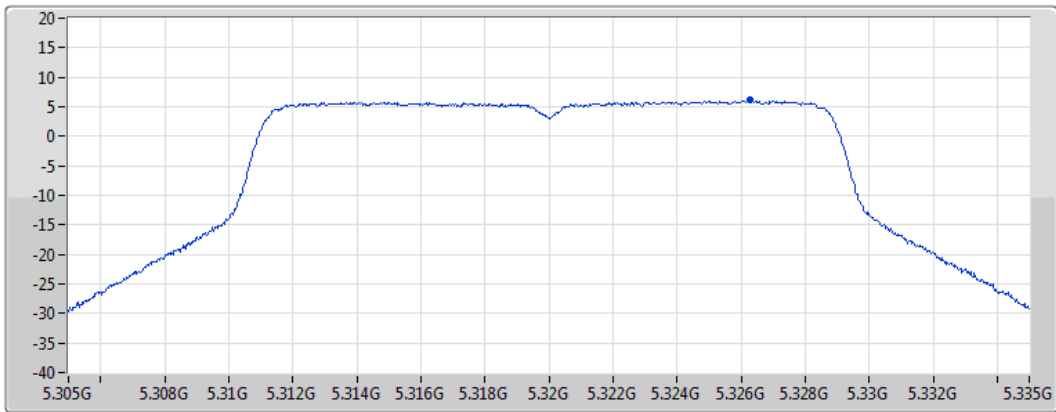
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.08	6.08	6.08

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5500MHz

11/11/2020

CF
5.5GHz

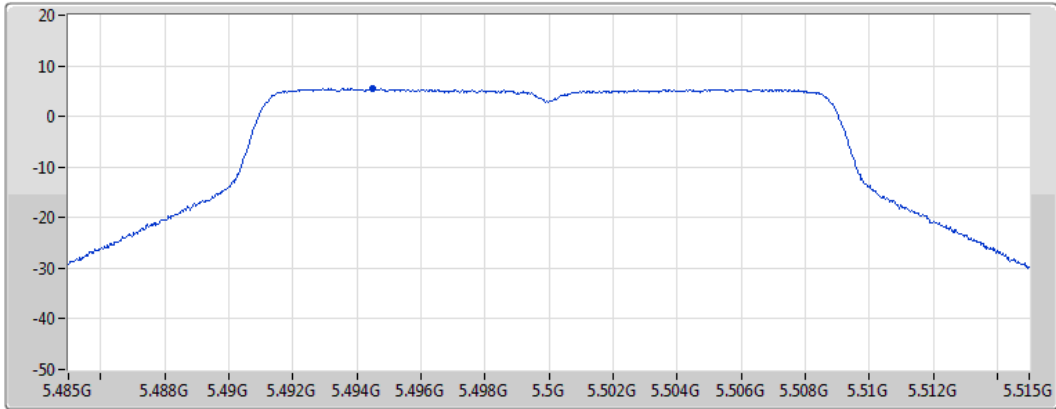
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45	5.45

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5580MHz

11/11/2020

CF
5.58GHz

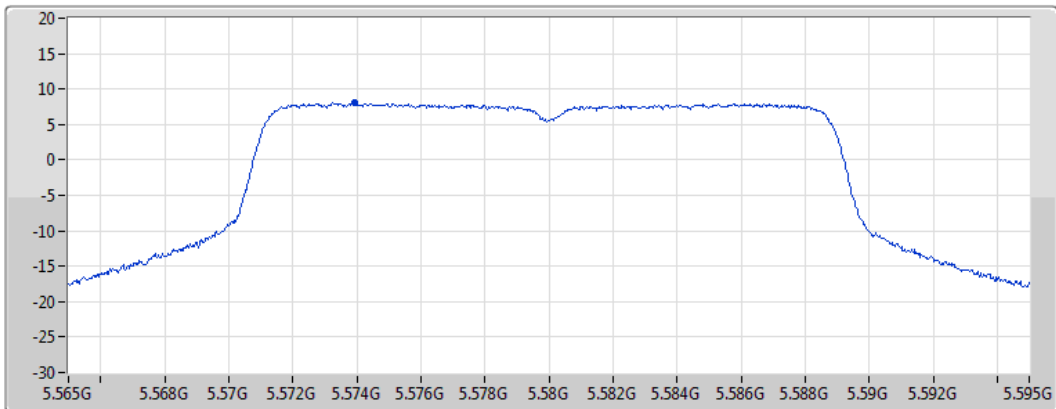
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	8.02

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5700MHz

11/11/2020

CF
5.7GHz

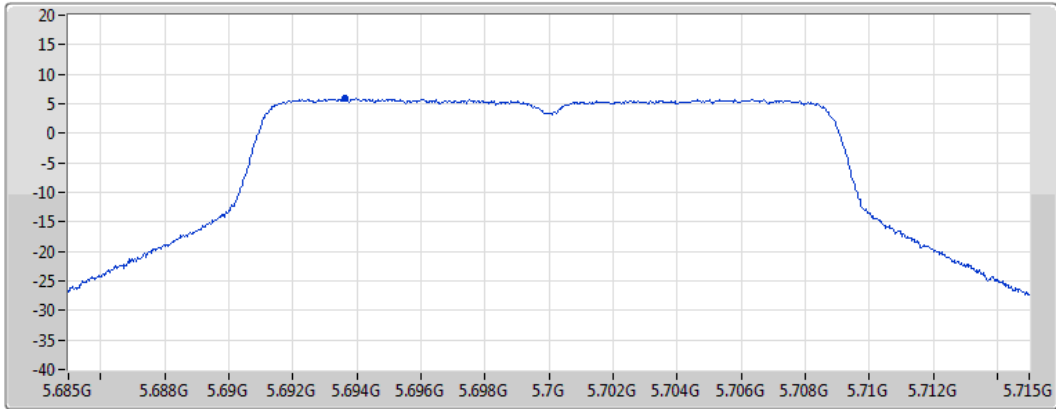
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.88	5.88	5.88

802.11ac VHT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

11/11/2020

CF
5.71GHz

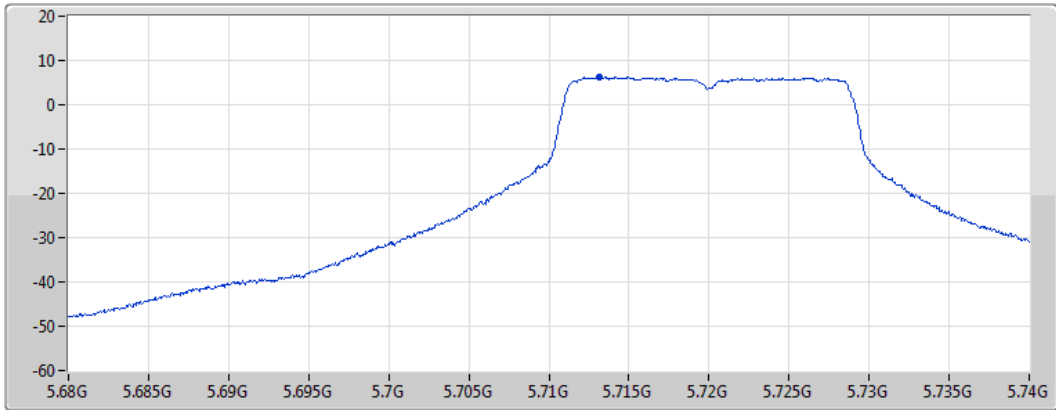
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.28	6.28	6.28

802.11ac VHT20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.725-5.85GHz

PSD

11/11/2020

CF
5.735GHz

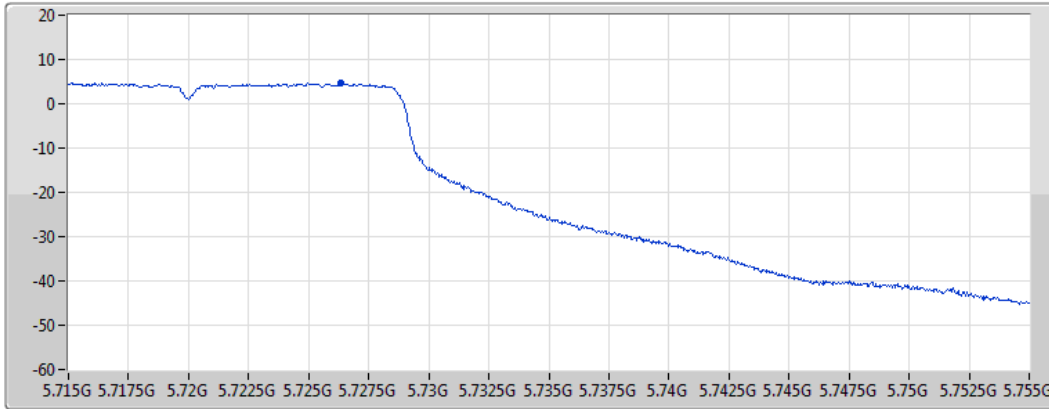
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.61	4.61	4.61

802.11ac VHT40_Nss1,(MCS0)_1TX
5270MHz

PSD

11/11/2020

CF
5.27GHz

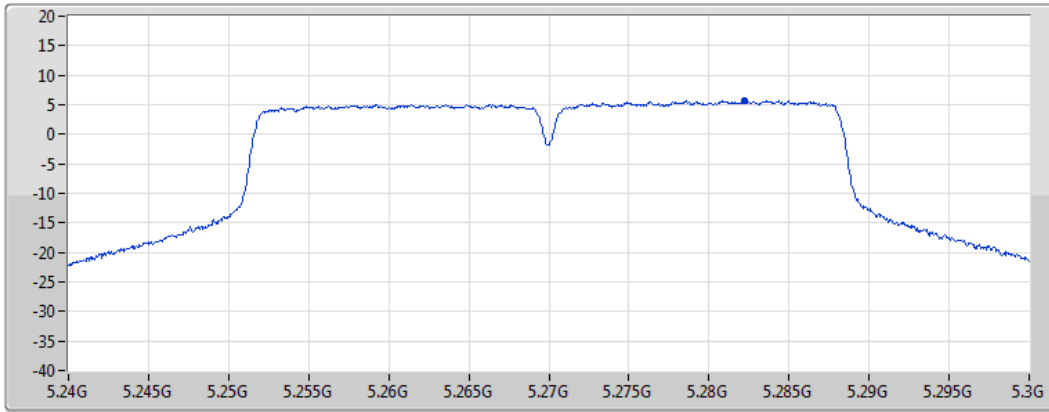
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.67	5.67	5.67