



RADIO TEST REPORT

FCC ID : UDX-600104010
Equipment : Wi-Fi 6E Access Point
Brand Name : Cisco
Model Name : MR57-HW
Applicant : Cisco Systems, Inc.
 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
 170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 06, 2021, and testing was started from Oct. 16, 2021 and completed on Dec. 17, 2021. We, Sporton International Inc. Hsinchu 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. Hsinchu Laboratory, the test report shall not be reproduced except in full.



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
 No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



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History of this test report

Report No.	Version	Description	Issued Date
FR181947-02	01	Initial issue of report	Mar. 10, 2022



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 Output Power	PASS	-
3.3	15.407(a)	Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: **Sam Chen**

Report Producer: **Penny Kao**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]

<Radio 1>

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11n HT20	20	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11n HT20-BF	20	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT20	20	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT20-BF	20	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW20	20	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW20-BF	20	2TX, 4TX / 4RX
5.25-5.35GHz	802.11n HT40	40	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11n HT40-BF	40	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT40	40	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT40-BF	40	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW40	40	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW40-BF	40	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT80	80	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ac VHT80-BF	80	2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW80	80	1TX, 2TX, 4TX / 4RX
5.25-5.35GHz	802.11ax HEW80-BF	80	2TX, 4TX / 4RX
5.47-5.725GHz	802.11a	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT20	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT20	20	1TX, 2TX, 4TX / 4RX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW20	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT80	80	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW80	80	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX, 4TX / 4RX

<Radio 2>

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT20	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT20	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW20	20	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW20-BF	20	2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11n HT40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW40	40	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW40-BF	40	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT80	80	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ac VHT80-BF	80	2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW80	80	1TX, 2TX, 4TX / 4RX
5.47-5.725GHz	802.11ax HEW80-BF	80	2TX, 4TX / 4RX



Note:

- ◆ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ◆ VHT20, VHT40, VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ◆ 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.	Port					Brand	P/N	Ant. Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz UNII 1~3	WLAN 5GHz UNII 2C~4	WLAN 6GHz UNII 5~8	Bluetooth					
1	4	4	-	-	-	CISCO	95XKAN15.G42	PIFA	I-PEX	Note1
2	3	3	-	-	-	CISCO	95XKAN15.G43	PIFA	I-PEX	
3	2	2	-	-	-	CISCO	95XKAN15.G44	PIFA	I-PEX	
4	1	1	-	-	-	CISCO	95XKAN15.G45	PIFA	I-PEX	
5	-	-	2	2	-	CISCO	95XKAN15.G46	Dipole	I-PEX	
6	-	-	1	1	-	CISCO	95XKAN15.G47	Dipole	I-PEX	
7	-	-	4	4	-	CISCO	95XKAN15.G48	Dipole	I-PEX	
8	-	-	3	3	-	CISCO	95XKAN15.G49	Dipole	I-PEX	
9	1	1	-	-	-	CISCO	95XKAN15.G51	PIFA	I-PEX	
10	-	-	-	-	1	CISCO	95XKAN15.G50	PIFA	I-PEX	

Note1:

Ant.	Antenna Gain (dBi)											Remark
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	WLAN 6GHz UNII 5	WLAN 6GHz UNII 6	WLAN 6GHz UNII 7	WLAN 6GHz UNII 8	Blue tooth	
1	1.87	4.07	4.09	2.45	1.97	-	-	-	-	-	-	Radio 1
2	2.68	3.7	4.21	3	3.84	-	-	-	-	-	-	Radio 1
3	2.7	3.29	3.51	2.33	3.03	-	-	-	-	-	-	Radio 1
4	1.52	1.8	1.7	1.44	1.61	-	-	-	-	-	-	Radio 1
5	-	-	-	3.52	3.3	4.84	5.05	4.08	4.27	3.47	-	Radio 2
6	-	-	-	3.54	4.33	4.28	4.71	3.72	3.49	4.02	-	Radio 2
7	-	-	-	4.28	4.45	4.6	4.64	4.40	4.31	3.39	-	Radio 2
8	-	-	-	4.13	4.39	4.75	4.76	3.51	4.21	4.03	-	Radio 2
9	3.80	6.29	6.29	6.29	6.29	-	-	-	-	-	-	Radio 3
10	-	-	-	-	-	-	-	-	-	-	3.65	Radio 4

Note2:

Item	Directional Gain (dBi)						Remark
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	
2T1S	3.93	4.36	4.68	3.36	3.75	-	Radio 1
4T1S	5.7	6.45	6.36	5.06	5.18	-	
2T1S	-	-	-	5.32	6.01	5.57	Radio 2
4T1S	-	-	-	5.65	6.75	6.43	

Note3: Radio 1 (WLAN 2.4/5GHz UNII 1~3), Radio 2 (5GHz UNII 2C, 3, 4): The directional gain is measured which follows the procedure of KDB 662911 D03. The antenna report is provided in the operational description for this application.



Note4: The above information was declared by manufacturer.

The EUT has ten antennas.

For WLAN 2.4GHz function (Radio 1):

For IEEE 802.11b/g/n/VHT/ax mode (1TX, 2TX, 4TX/4RX):

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For WLAN 5GHz function (Radio 1 and Radio 2):

For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For 6GHz function (Radio 2):

For IEEE 802.11ax mode (1TX, 2TX, 4TX/4RX):

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.

For Scanning Radio 3:

For WLAN 2.4GHz function

For 802.11b/g/n/VHT/ax mode (1RX):

Only Port 1 can be used as receiving functions.

For WLAN 5GHz function

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

Only Port 1 can be used as receiving functions.

For Bluetooth function (Radio 4):

For Bluetooth mode (1TX/1RX):

Only Port 1 can be used as transmitting/receiving antenna.



1.1.3 Table for Radio function

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 5GHz UNII 4	Bluetooth
1 (Iron Radio)	V	V	V	V	V	-	-
2 (Pine Radio)	-	-	-	V	V	V	-
3 (Scanning Radio)	V	V	V	V	V	-	-
4	-	-	-	-	-	-	V

Note: The above information was declared by manufacturer.

1.1.4 Table for EUT Operation Function

Mode	Operation Function
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth
2	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth
3	R1: 2.4GHz/5GHz Full Band+R2: 6E+R3: 2.4GHz+R4: Bluetooth
4	R1: 2.4GHz/5GHz Full Band+R2: 6E+R3: 5GHz+R4: Bluetooth

Note: The above information was declared by manufacturer.

1.1.5 Mode Test Duty Cycle

<Radio 1>
For 1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.929	0.32	1.978m	1k
802.11ax HEW20	0.939	0.27	5.447m	300
802.11ax HEW40	0.952	0.21	5.452m	300
802.11ax HEW80	0.95	0.22	5.449m	300

For 2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.932	0.31	1.977m	1k
802.11ax HEW20	0.939	0.27	5.447m	300
802.11ax HEW40	0.952	0.21	5.452m	300
802.11ax HEW80	0.95	0.22	5.449m	300

For 4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.955	0.2	1.977m	1k
802.11ax HEW20	0.96	0.18	5.445m	300
802.11ax HEW40	0.96	0.18	5.445m	300
802.11ax HEW80	0.958	0.19	5.445m	300



<Radio 2>
For 1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.96	0.18	1.435m	1k
802.11ax HEW20	0.924	0.34	5.455m	300
802.11ax HEW40	0.848	0.72	5.452m	300
802.11ax HEW80	0.924	0.34	5.454m	300

For 2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.957	0.19	1.435m	1k
802.11ax HEW20	0.947	0.24	5.455m	300
802.11ax HEW40	0.918	0.37	5.455m	300
802.11ax HEW80	0.944	0.25	5.455m	300

For 4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.958	0.19	1.434m	1k
802.11ax HEW20	0.939	0.27	5.453m	300
802.11ax HEW40	0.921	0.36	5.453m	300
802.11ax HEW80	0.934	0.3	5.455m	300

Note:

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

1.1.6 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
	The product has beamforming function for n/ac/ax in 5GHz.			
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Function	<input type="checkbox"/>	Outdoor P2M	<input checked="" type="checkbox"/>	Indoor P2M
	<input type="checkbox"/>	Fixed P2P	<input type="checkbox"/>	Client
	<input checked="" type="checkbox"/>	Point-to-multipoint	<input type="checkbox"/>	Point-to-point
TPC Function	<input checked="" type="checkbox"/>	With TPC	<input type="checkbox"/>	Without TPC
Test Software Version	QSPR V5.0-00199 \ DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.



1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 181947-01

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

Modifications	Performance Checking
Adding UNII 2A and UNII 2C (5250~5350 MHz, 5470~5725 MHz) for this device.	<ol style="list-style-type: none">1. Emission Bandwidth.2. Maximum Conducted Output Power.3. Peak Power Spectral Density.4. Unwanted Emissions Above 1GHz.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 662911 D03 v01
- ♦ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

Testing Location Information	
Test Lab. : Sporton International Inc. Hsinchu Laboratory	
Hsinchu	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	24.8~26.2 / 63~67	Oct. 21, 2021~ Dec. 17, 2021
Radiated above 1GHz (Radio 1)	03CH01-CB	Paul Chen	24.4-25.5 / 55-58	Oct. 16, 2021~ Dec. 13, 2021
	03CH04-CB	Paul Chen	23.5-24.6 / 56-59	Oct. 16, 2021~ Dec. 13, 2021
Radiated above 1GHz (Radio 2)	03CH02-CB	Paul Chen	24.2-25.3 / 55-58	Oct. 16, 2021~ Dec. 13, 2021

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.7 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.5 dB	Confidence levels of 95%
Bandwidth Measurement	0.9%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Radio 1>

<Non-Beamforming Mode>

For 1T1S:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5260MHz	23
5300MHz	22
5320MHz	20.5
5500MHz	21
5580MHz	21.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5260MHz	23
5300MHz	22
5320MHz	19.5
5500MHz	20.5
5580MHz	21.5
5700MHz	18.5
5720MHz Straddle 5.47-5.725GHz	22
5720MHz Straddle 5.725-5.85GHz	22
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5270MHz	21.5
5310MHz	17
5510MHz	18.5
5550MHz	21.5
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	21.5
5710MHz Straddle 5.725-5.85GHz	21.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5290MHz	17
5530MHz	17.5
5610MHz	20.5
5690MHz Straddle 5.47-5.725GHz	21.5
5690MHz Straddle 5.725-5.85GHz	21.5



For 2T1S:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5260MHz	21
5300MHz	21
5320MHz	19.5
5500MHz	20
5580MHz	21
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	20.5
5720MHz Straddle 5.725-5.85GHz	20.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5260MHz	21
5300MHz	21.5
5320MHz	19.5
5500MHz	19.5
5580MHz	21.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5270MHz	20.5
5310MHz	17
5510MHz	18
5550MHz	21
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	16.5
5530MHz	17.5
5610MHz	19.5
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5



For 4T1S:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	18
5580MHz	17.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	18
5300MHz	18
5320MHz	18
5500MHz	18
5580MHz	17.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	18
5310MHz	16
5510MHz	17.5
5550MHz	18
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17



<Beamforming Mode>

For 2T1S:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-
5260MHz	21
5300MHz	21.5
5320MHz	19.5
5500MHz	19.5
5580MHz	21.5
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	21
5720MHz Straddle 5.725-5.85GHz	21
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-
5270MHz	20.5
5310MHz	17
5510MHz	18
5550MHz	21
5670MHz	19.5
5710MHz Straddle 5.47-5.725GHz	20.5
5710MHz Straddle 5.725-5.85GHz	20.5
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-
5290MHz	16.5
5530MHz	17.5
5610MHz	19.5
5690MHz Straddle 5.47-5.725GHz	20.5
5690MHz Straddle 5.725-5.85GHz	20.5



For 4T1S:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-
5260MHz	17.5
5300MHz	17.5
5320MHz	17.5
5500MHz	18
5580MHz	17.5
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-
5270MHz	17.5
5310MHz	16
5510MHz	17.5
5550MHz	18
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-
5290MHz	15
5530MHz	17
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17



**<Radio 2>
<Non-Beamforming Mode>
For 1T1S:**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5500MHz	17.5
5580MHz	18
5700MHz	17.5
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5500MHz	17.5
5580MHz	18
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5510MHz	16.5
5550MHz	18.5
5670MHz	18
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5530MHz	16
5610MHz	17.5
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19



For 2T1S:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5500MHz	17
5580MHz	18
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	20
5720MHz Straddle 5.725-5.85GHz	20
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5500MHz	16.5
5580MHz	18
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5510MHz	15.5
5550MHz	18.5
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5530MHz	15.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19



For 4T1S:

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5500MHz	16.5
5580MHz	18
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5500MHz	18
5580MHz	18
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5510MHz	15
5550MHz	18
5670MHz	15.5
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5530MHz	14.5
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18



**< Beamforming Mode>
For 2T1S:**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-
5500MHz	16.5
5580MHz	18
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	19.5
5720MHz Straddle 5.725-5.85GHz	19.5
5745MHz	23.5
5785MHz	24
5825MHz	24
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-
5510MHz	15.5
5550MHz	18.5
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	19.5
5710MHz Straddle 5.725-5.85GHz	19.5
5755MHz	21.5
5795MHz	22.5
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-
5530MHz	15.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	19
5690MHz Straddle 5.725-5.85GHz	19
5775MHz	19



For 4T1S:

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-
5500MHz	18
5580MHz	18
5700MHz	16.5
5720MHz Straddle 5.47-5.725GHz	18
5720MHz Straddle 5.725-5.85GHz	18
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-
5510MHz	15
5550MHz	18
5670MHz	15.5
5710MHz Straddle 5.47-5.725GHz	18
5710MHz Straddle 5.725-5.85GHz	18
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-
5530MHz	14.5
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	18
5690MHz Straddle 5.725-5.85GHz	18

Note:

Note1: Evaluated HEW20/HEW40/HEW80 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80 mode are the same or lower than HEW20/HEW40/HEW80.

Note2: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Note3: For 802.11ax mode: Non-Beamforming supports MCS0~11 and Beamforming supports MCS3-11.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	<Radio 1> 1T1S
2	<Radio 1> 2T1S
3	<Radio 1> 4T1S
4	<Radio 2> 1T1S
5	<Radio 2> 2T1S
6	<Radio 2> 4T1S

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 > 1GHz	CTX
The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration.	
1	<Radio 1> For 1T1S: EUT in Z axis
2	<Radio 1> For 2T1S: EUT in X axis
3	<Radio 1> For 4T1S: EUT in Z axis
4	<Radio 2> For 1T1S: EUT in X axis
5	<Radio 2> For 2T1S: EUT in X axis
6	<Radio 2> For 4T1S: EUT in X axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R4: Bluetooth
2	R1: 2.4GHz/5GHz Full Band+R2: 6E+R4: Bluetooth
Refer to Sporton Test Report No.: FA181947-02 for Co-location RF Exposure Evaluation.	

Note: The Adapter is for measurement only, would not be marketed.

Adapter information as below:

Power	Brand	Model
Adapter	Cisco	MA-PWR-50WAC

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by AP and transmit duty cycle no less than 98%.



2.4 Accessories

Wall-mounted rack*1

2.5 Support Equipment

For Radiated (above 1GHz):
<Non-beamforming mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Adapter	Cisco	MA-PWR-50WAC	N/A

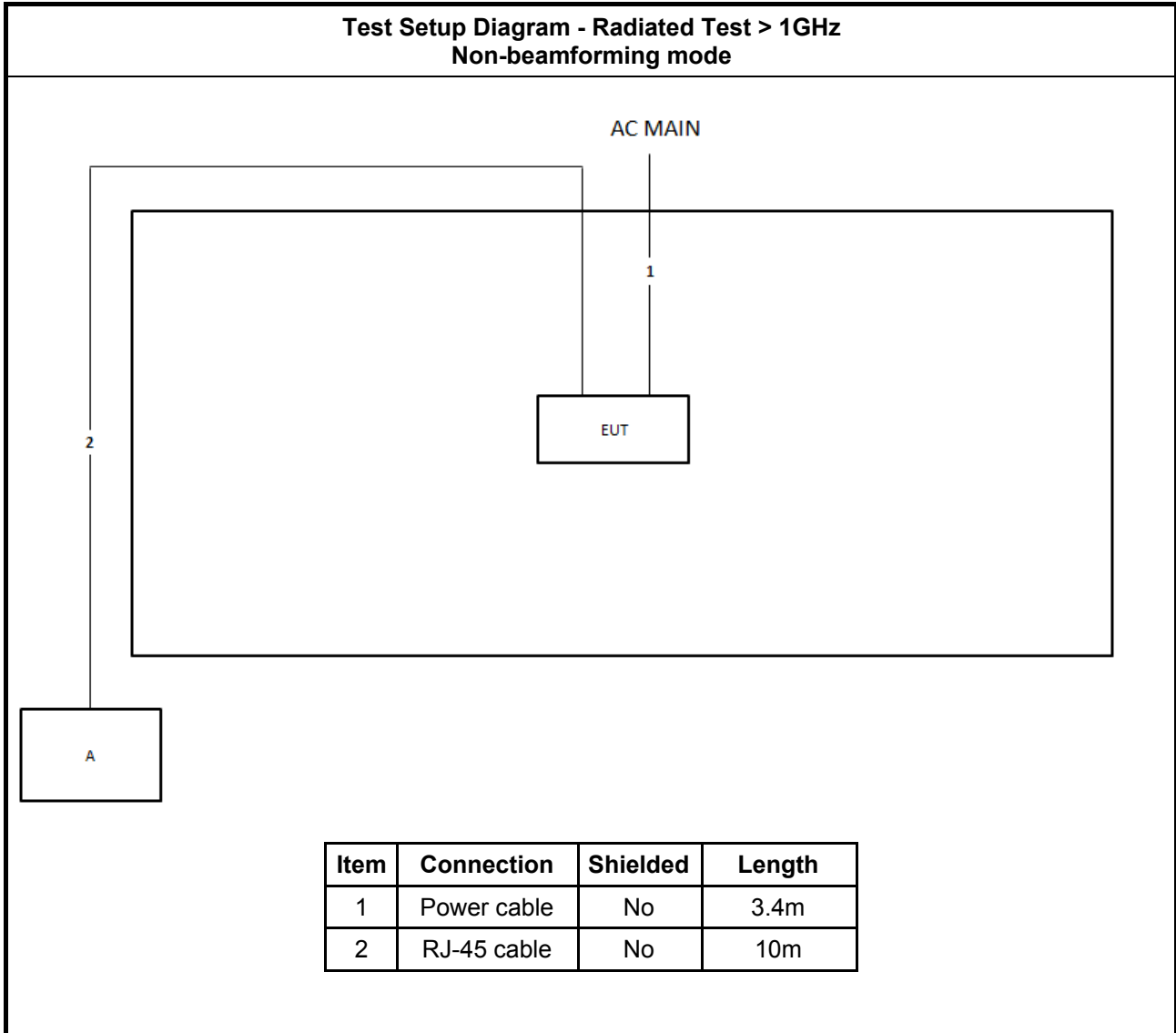
<Beamforming mode>

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	AP	WNC	RXAQ-MR1	N/A
C	Notebook	DELL	E4300	N/A
D	Adapter	Cisco	MA-PWR-50WAC	N/A

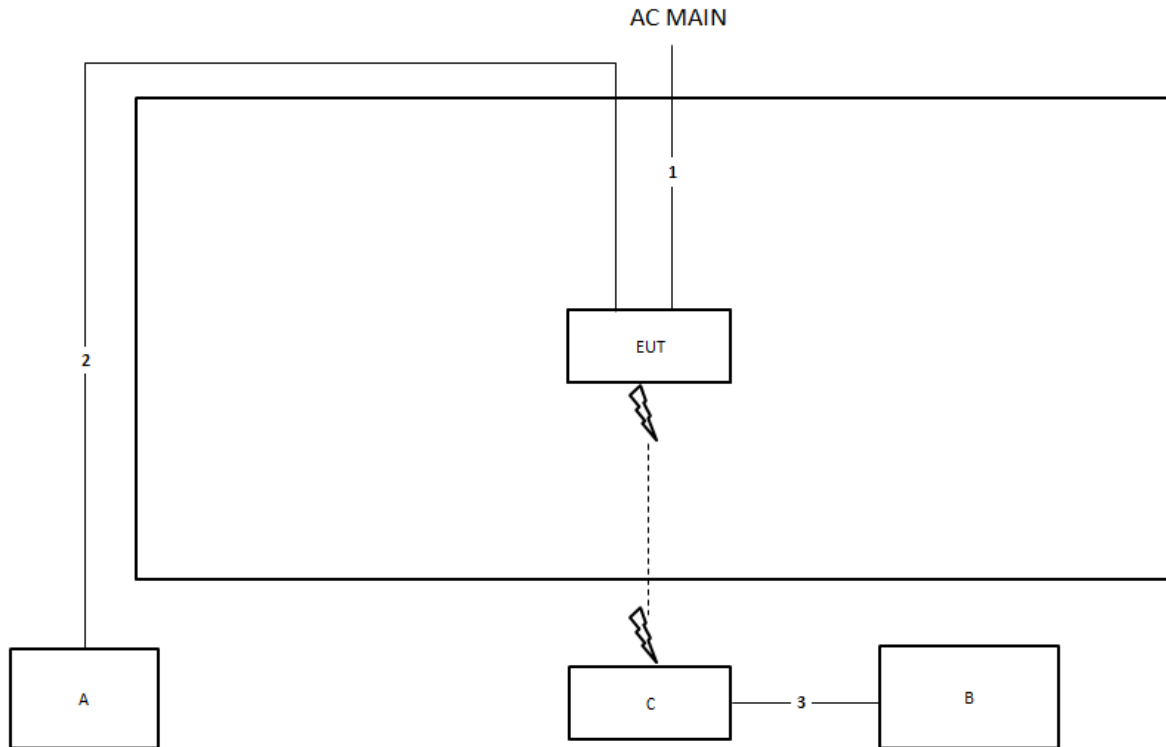
For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Adapter	Cisco	MA-PWR-50WAC	N/A

2.6 Test Setup Diagram



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



Item	Connection	Shielded	Length
1	Power cable	No	3.4m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m



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, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz.
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
<input type="checkbox"/>	For the 5.85-5.895 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth ≥ 500kHz.
LE-LAN Devices	
<input type="checkbox"/>	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
<input type="checkbox"/>	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
<input type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth ≥ 500kHz.

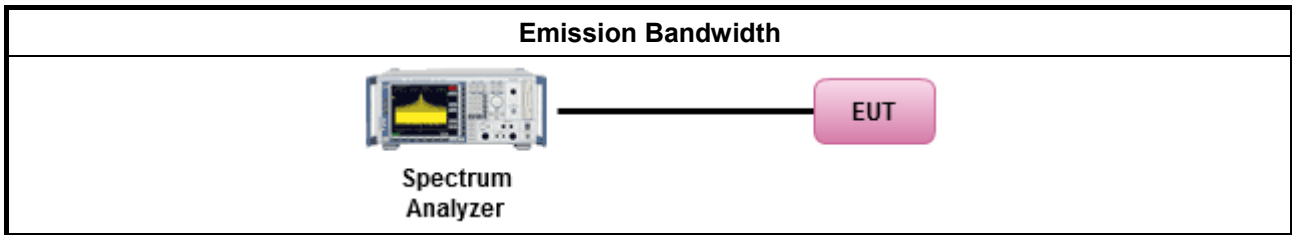
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup



3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A



3.2 Maximum Output Power

3.2.1 Limit

Maximum 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 ≤ 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.
Maximum EIRP Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 36 dBm ▪ Client device < 30 dBm
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz	
<input 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.

P_{Out} = maximum conducted output power in dBm,
G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.2.2 Measuring Instruments

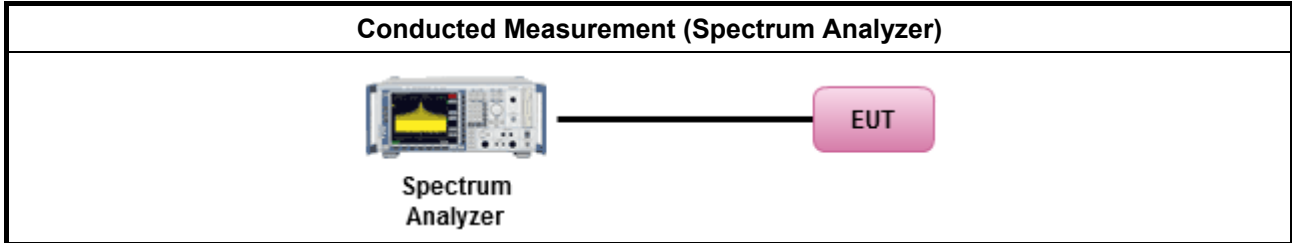
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

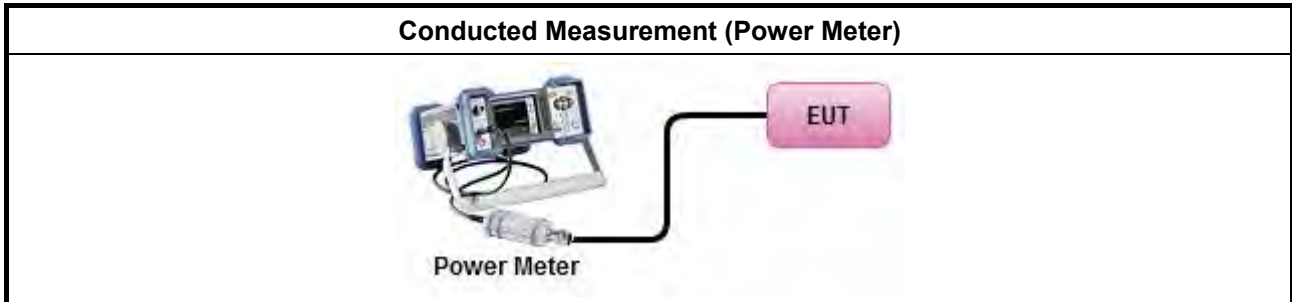
Test Method	
	Average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. ▪ 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]) $EIRP_{total} = P_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.2.4 Test Setup

For Straddle channel:



For other channel:



3.2.5 Test Result of Maximum Output Power

Refer as Appendix B



3.3 Power Spectral Density

3.3.1 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 $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<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 $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
EIRP Power Spectral Density Limit	
<input type="checkbox"/> For the 5.85-5.895 GHz band:	
	<ul style="list-style-type: none"> ▪ Indoor AP & subordinate device < 20dBm/MHz ▪ Client device < 14dBm/MHz
LE-LAN Devices	
<input type="checkbox"/> For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
<input type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	<ul style="list-style-type: none"> ▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
<input type="checkbox"/> For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
<input 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 $PPSD = 30 - (G_{TX} - 6)$. ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output	



power shall be used to determine the power spectral density. And power spectral density in dBm/MHz
 G_{TX} = the maximum transmitting antenna directional gain in dBi.

3.3.2 Measuring Instruments

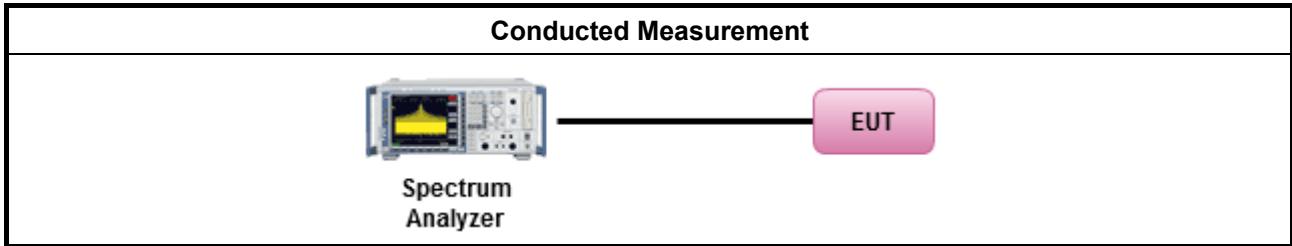
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method	
	<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 FCC KDB 789033 D02, 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% or external video / power trigger]
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below:
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	<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])

Test Method	
	$EIRP_{total} = PPSD_{total} + DG$
<input type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup



3.3.5 Test Result of Power Spectral Density

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter 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
<input type="checkbox"/> 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
<input checked="" type="checkbox"/> 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
<input type="checkbox"/> 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an



	<p>e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.</p> <p>(iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.</p>
<p>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).</p>	

3.4.2 Measuring Instruments

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

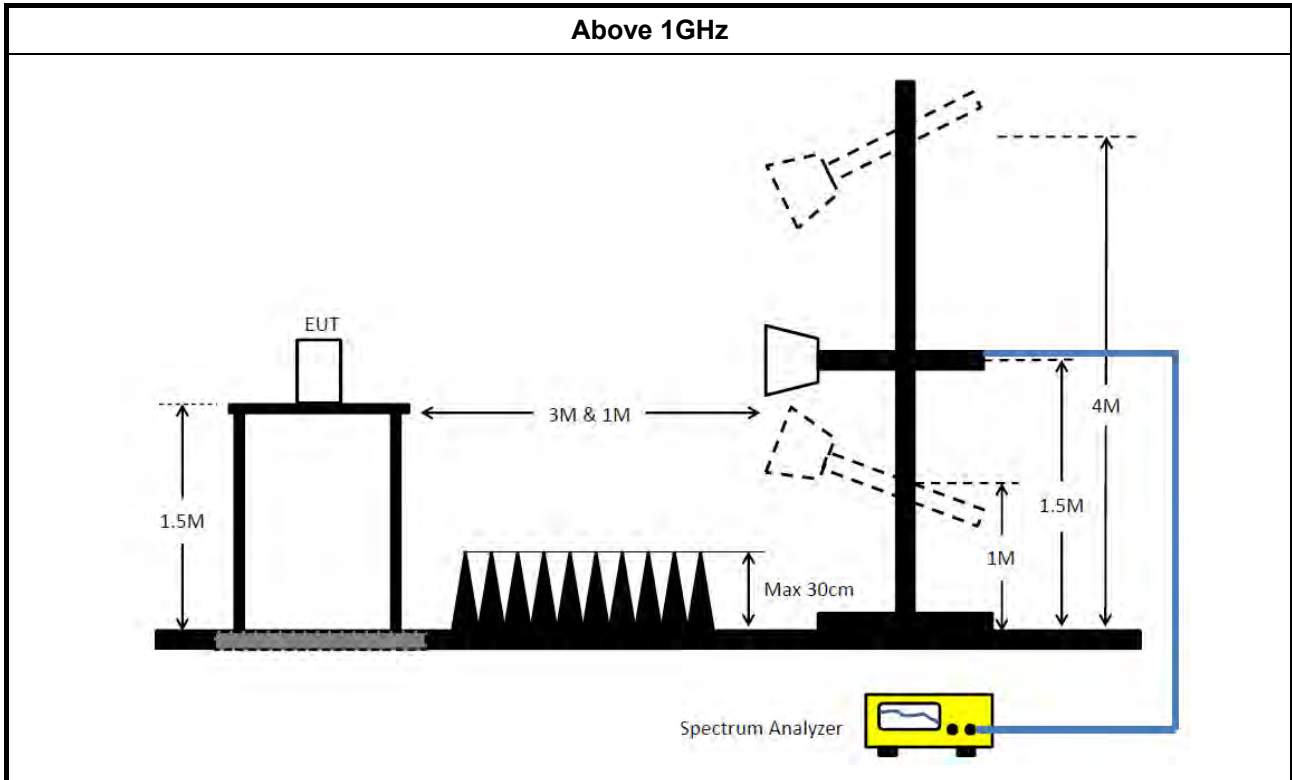
3.4.3 Test Procedures

Test Method													
	<ul style="list-style-type: none"> ▪ 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 ≥ 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 FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands. ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%; text-align: center;"><input type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td>Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.</td> </tr> </table> 	<input type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).	<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).	<input type="checkbox"/>	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).												
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.												
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.												
<input type="checkbox"/>	Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.												
	<ul style="list-style-type: none"> ▪ For radiated measurement. <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 5%;"></td> <td> <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. </td> </tr> </table> 		<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"> ▪ 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. 												

Test Method

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

3.4.4 Test Setup



3.4.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Sep. 14, 2021	Sep. 13, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	COM-POWER	AH-118	071028	1GHz ~ 18GHz	Jun. 23, 2021	Jun. 22, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Feb. 19, 2021	Feb. 18, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Mar. 22, 2021	Mar. 21, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 15, 2021	Jul. 14, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 31, 2020	Dec. 30, 2021	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Aug. 22, 2021	Aug. 21, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



Summary

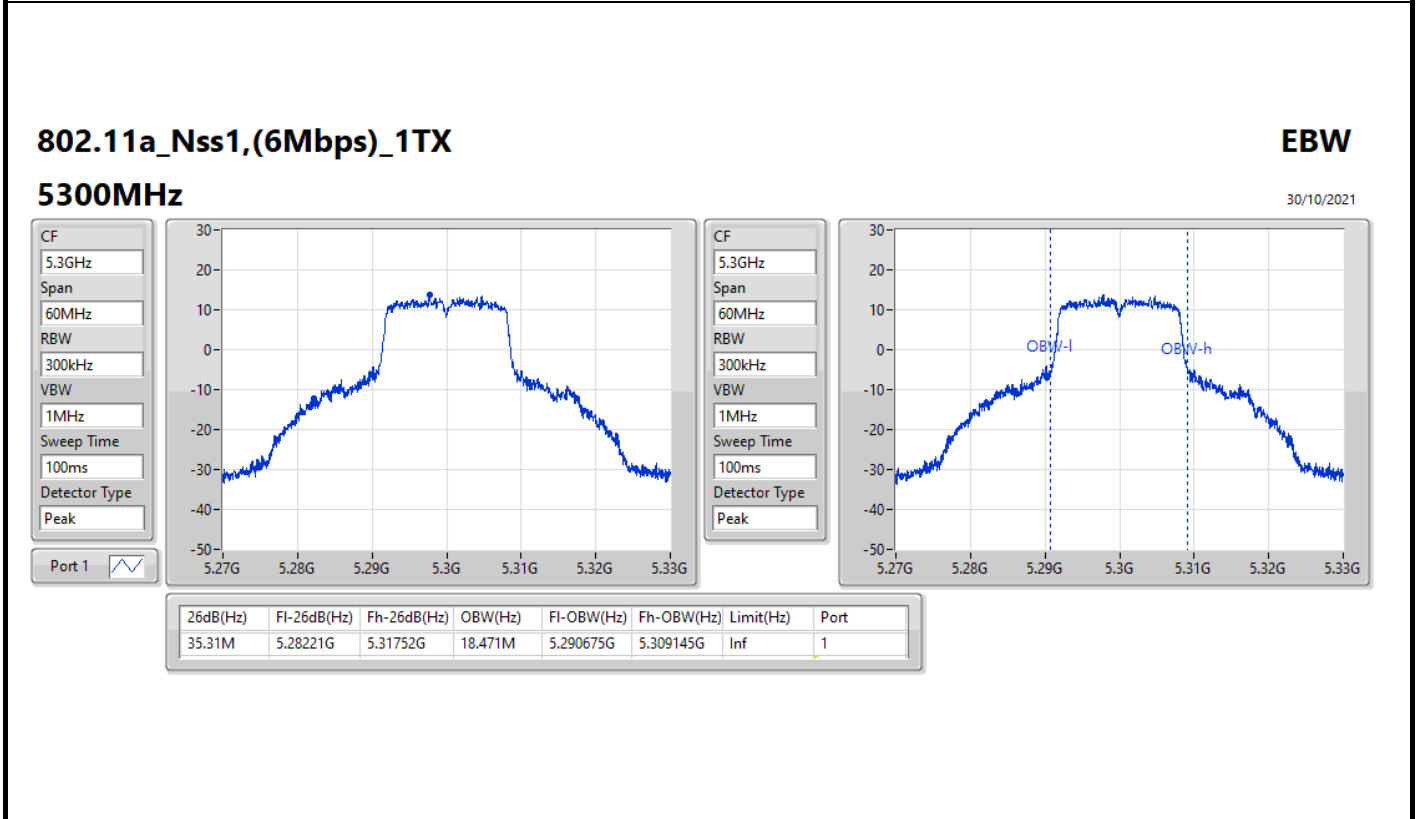
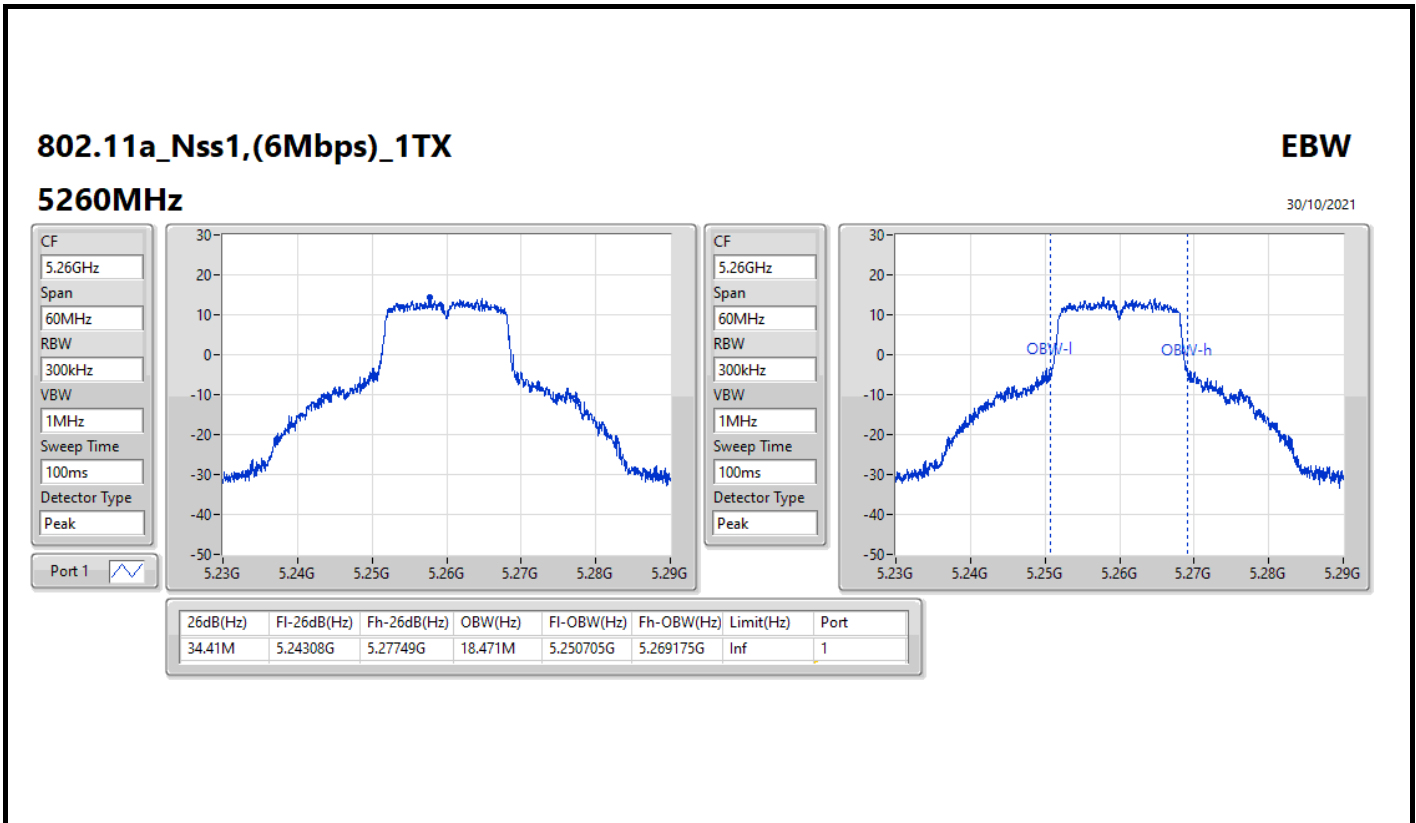
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	35.31M	18.471M	18M5D1D	26.34M	16.792M
802.11ax HEW20_Nss1,(MCS0)_1TX	37.98M	19.43M	19M4D1D	21.93M	19.01M
802.11ax HEW40_Nss1,(MCS0)_1TX	77.1M	38.861M	38M9D1D	41.4M	38.021M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.56M	77.481M	77M5D1D	82.56M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	34.44M	18.501M	18M5D1D	19.62M	14.678M
802.11ax HEW20_Nss1,(MCS0)_1TX	37.8M	19.46M	19M5D1D	21.45M	14.768M
802.11ax HEW40_Nss1,(MCS0)_1TX	66.6M	38.861M	38M9D1D	41.22M	34.353M
802.11ax HEW80_Nss1,(MCS0)_1TX	127.08M	78.921M	78M9D1D	82.44M	74.063M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.1M	10.755M	10M8D1D	3.1M	10.755M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.4M	10.935M	10M9D1D	4.4M	10.935M
802.11ax HEW40_Nss1,(MCS0)_1TX	4.02M	23.468M	23M5D1D	4.02M	23.468M
802.11ax HEW80_Nss1,(MCS0)_1TX	4M	34.823M	34M8D1D	4M	34.823M

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	34.41M	18.471M
5300MHz	Pass	Inf	35.31M	18.471M
5320MHz	Pass	Inf	26.34M	16.792M
5500MHz	Pass	Inf	20.88M	16.582M
5580MHz	Pass	Inf	34.44M	18.501M
5700MHz	Pass	Inf	19.62M	16.462M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.275M	14.678M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	10.755M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5260MHz	Pass	Inf	32.58M	19.34M
5300MHz	Pass	Inf	37.98M	19.43M
5320MHz	Pass	Inf	21.93M	19.01M
5500MHz	Pass	Inf	22.14M	18.981M
5580MHz	Pass	Inf	37.8M	19.46M
5700MHz	Pass	Inf	21.45M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	24.525M	14.768M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	10.935M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5270MHz	Pass	Inf	77.1M	38.861M
5310MHz	Pass	Inf	41.4M	38.021M
5510MHz	Pass	Inf	41.22M	38.081M
5550MHz	Pass	Inf	66.6M	38.861M
5670MHz	Pass	Inf	44.16M	38.141M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	51.205M	34.353M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	23.468M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5290MHz	Pass	Inf	82.56M	77.481M
5530MHz	Pass	Inf	82.44M	77.361M
5610MHz	Pass	Inf	127.08M	78.921M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	110.025M	74.063M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	34.823M

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



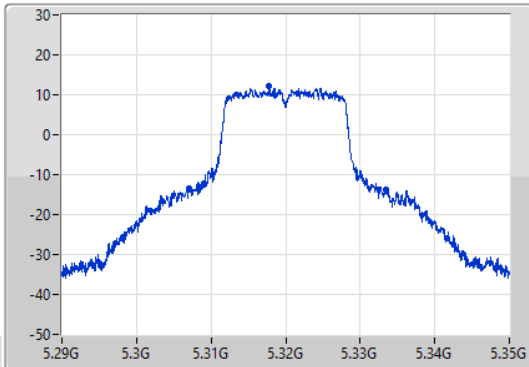
802.11a_Nss1,(6Mbps)_1TX

EBW

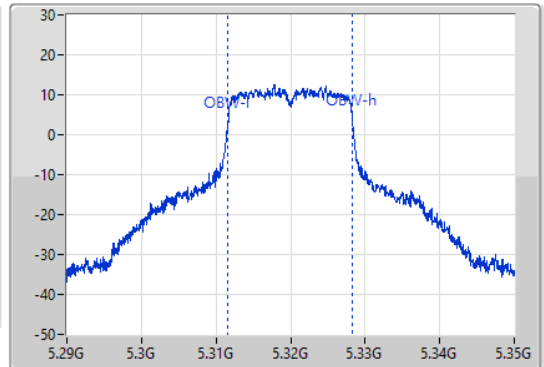
5320MHz

30/10/2021

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



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.34M	5.30713G	5.33347G	16.792M	5.311544G	5.328336G	Inf	1

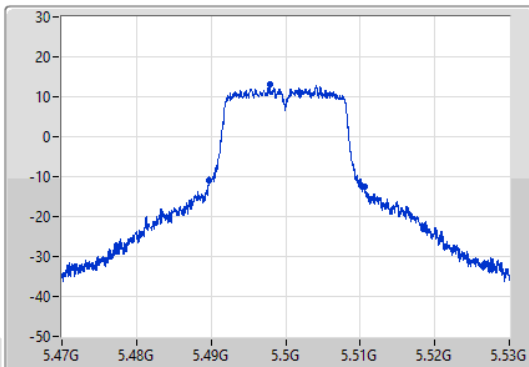
802.11a_Nss1,(6Mbps)_1TX

EBW

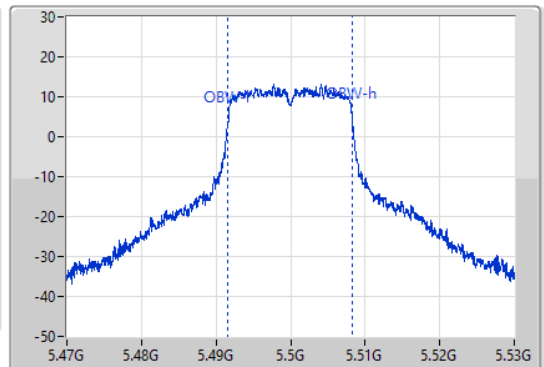
5500MHz

30/10/2021

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



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



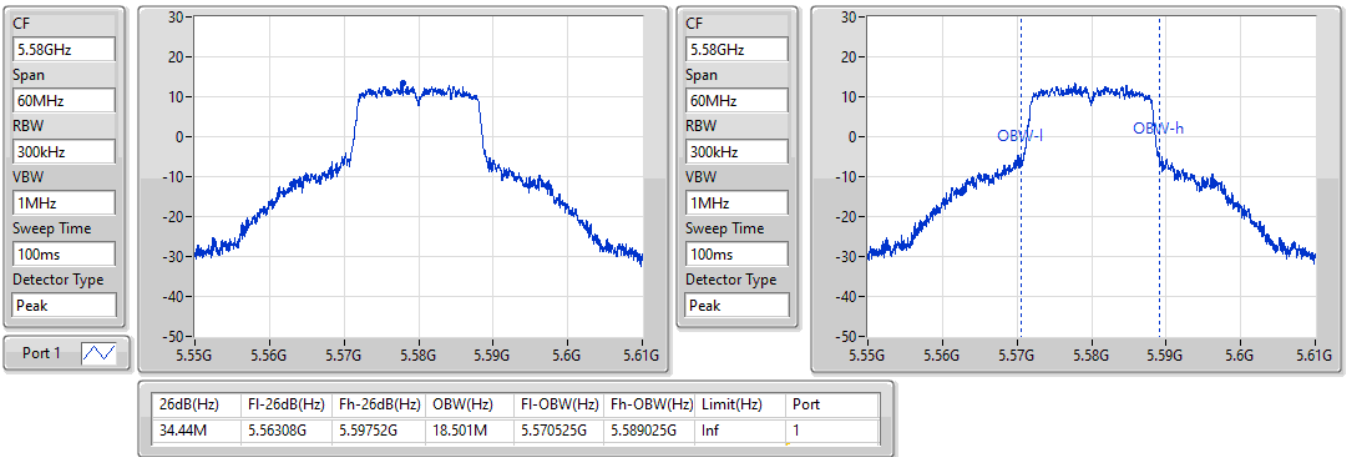
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.88M	5.48965G	5.51053G	16.582M	5.491634G	5.508216G	Inf	1

802.11a_Nss1,(6Mbps)_1TX

EBW

5580MHz

30/10/2021

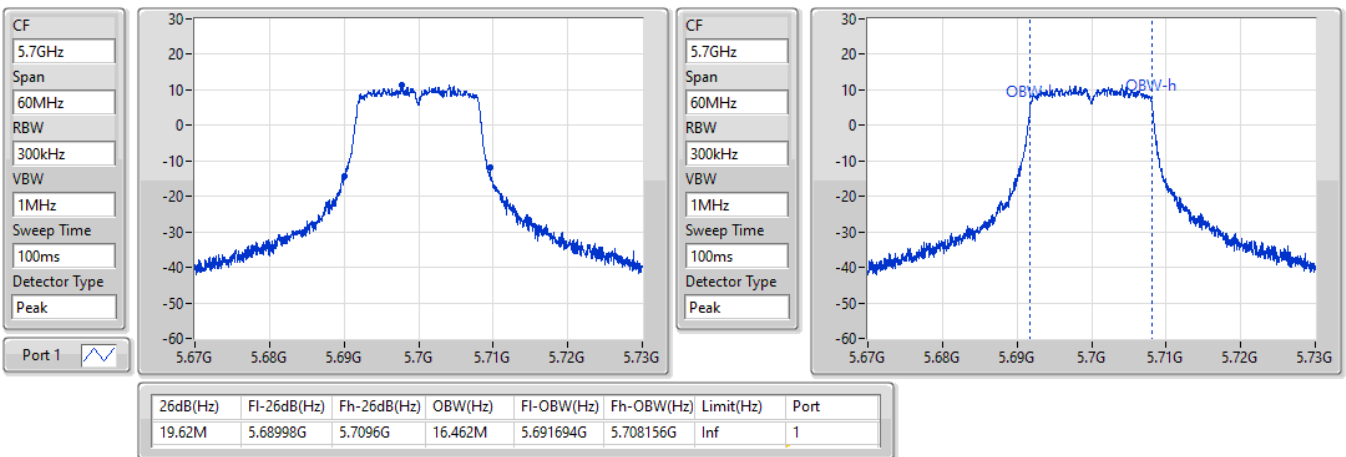


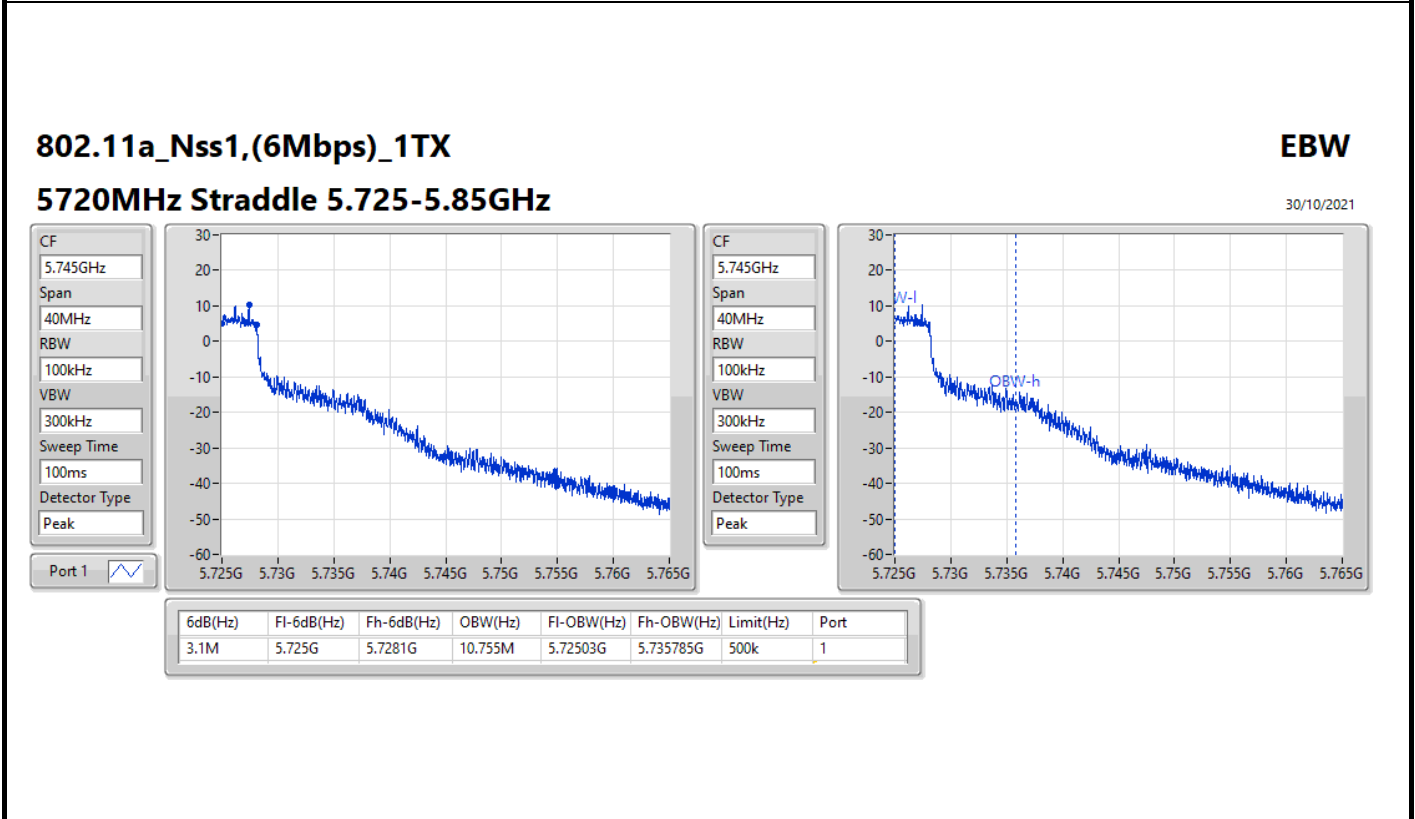
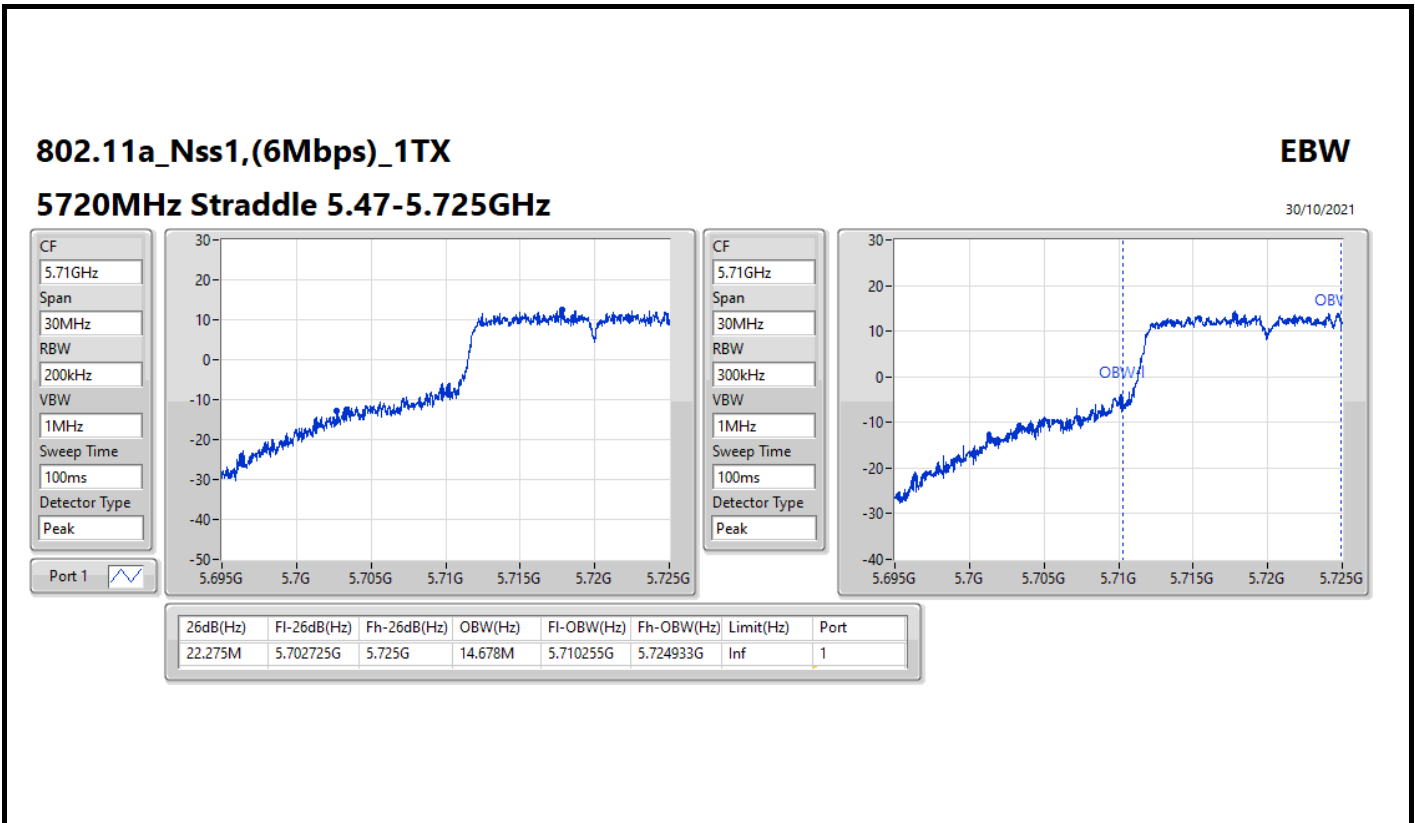
802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

30/10/2021



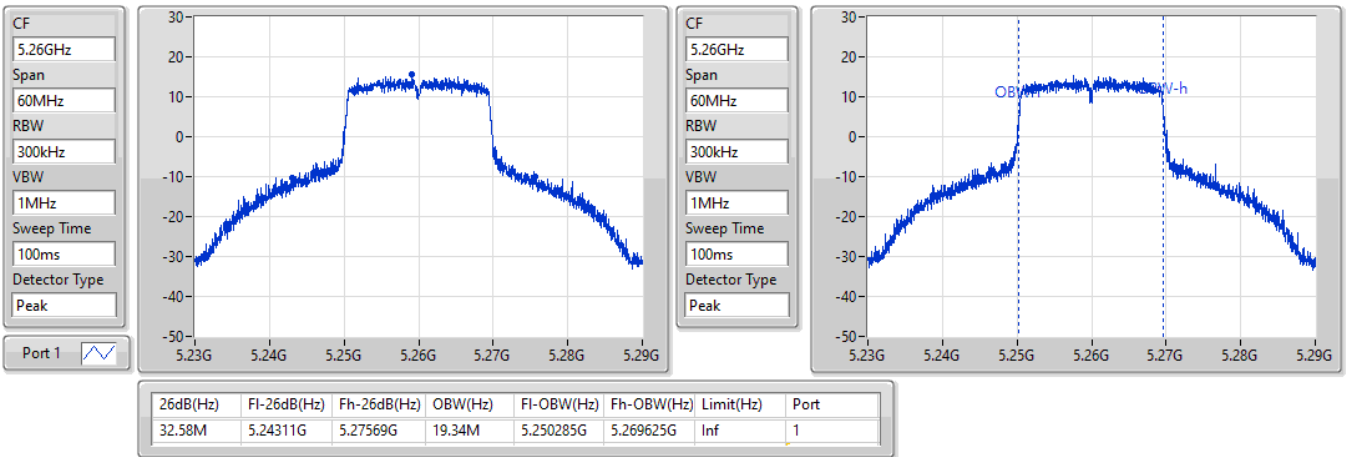


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

30/10/2021

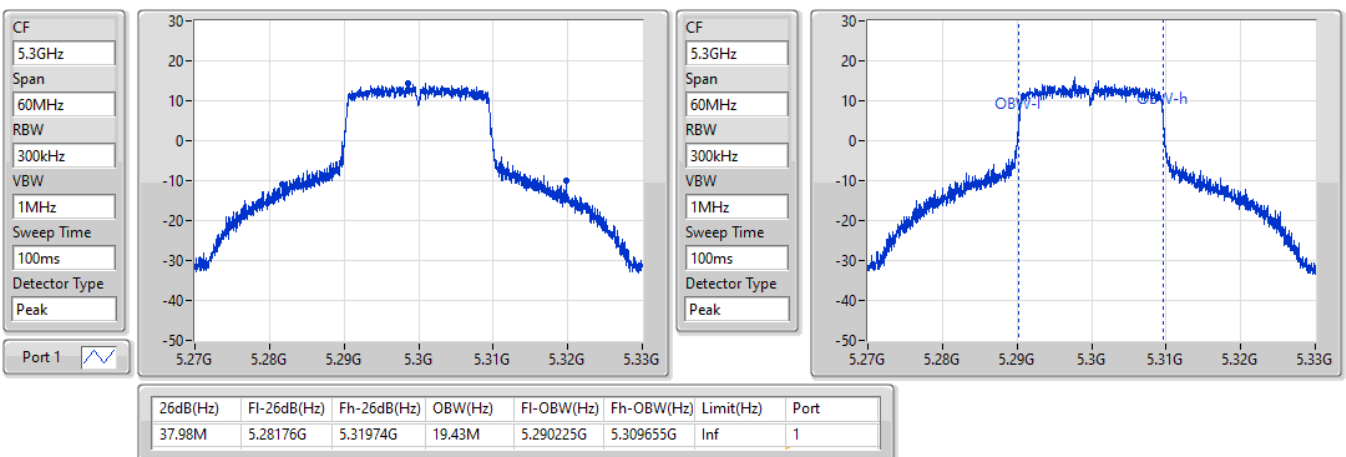


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5300MHz

30/10/2021

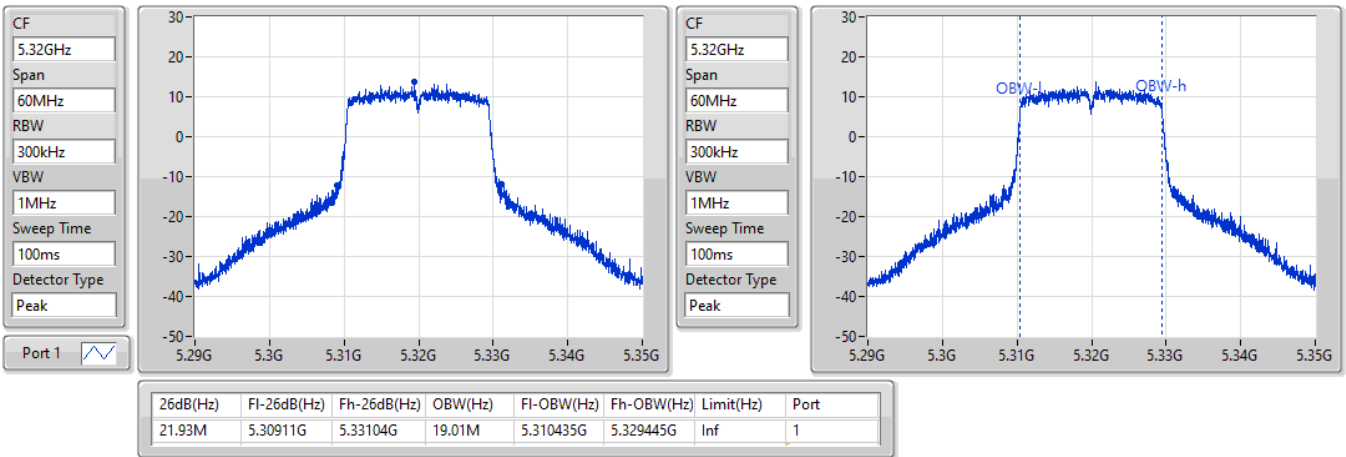


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5320MHz

30/10/2021

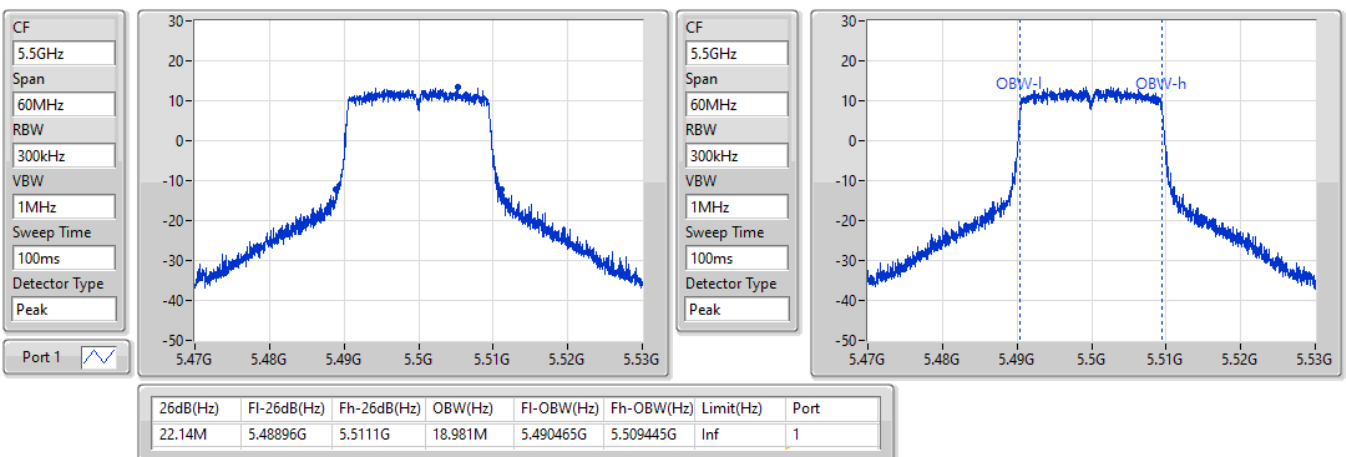


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

30/10/2021

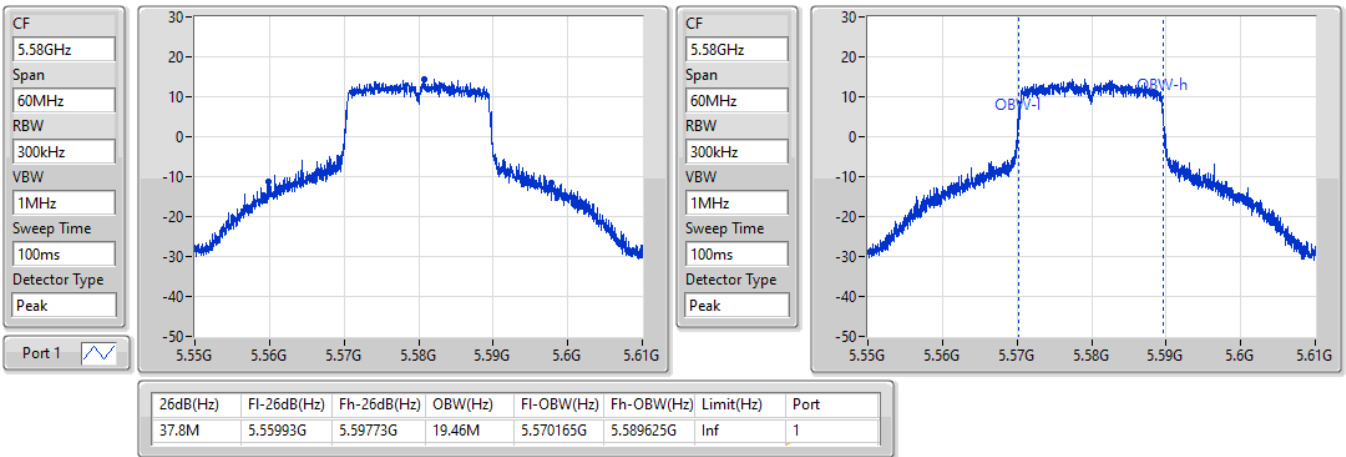


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

30/10/2021

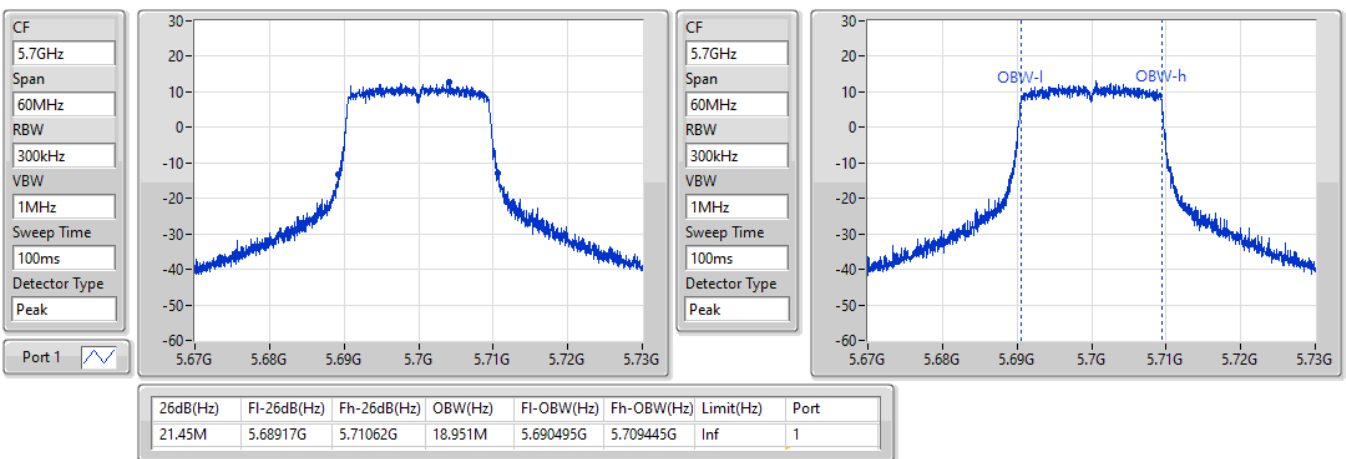


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

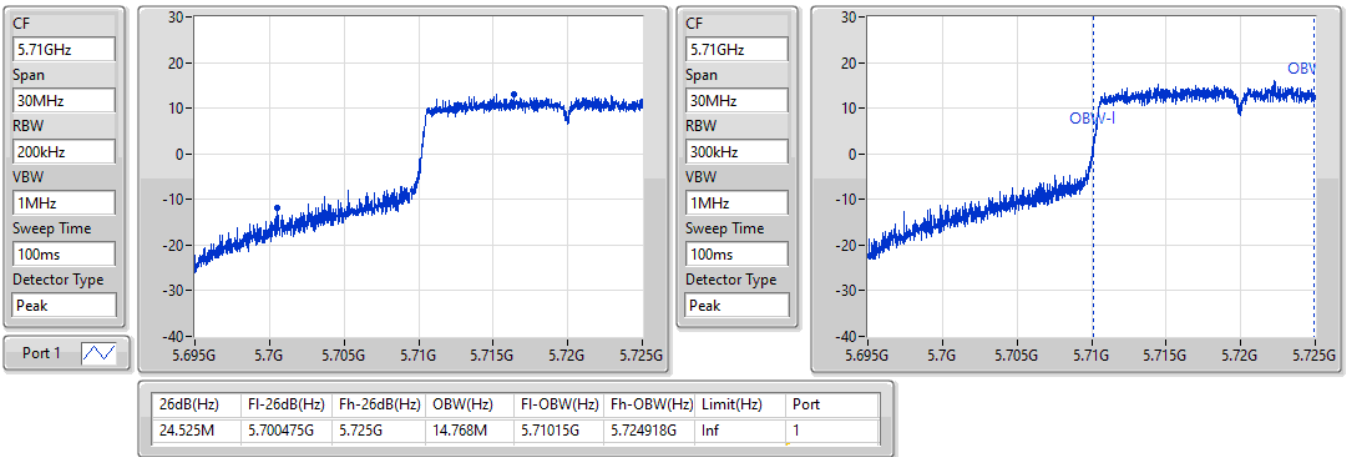
30/10/2021



802.11ax HEW20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.47-5.725GHz

EBW

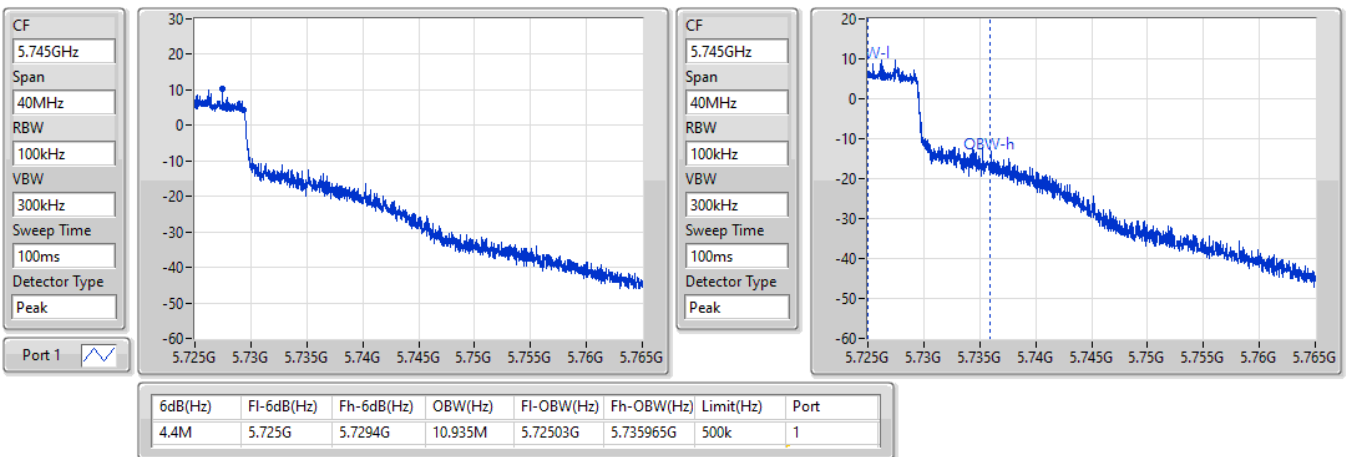
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802.11ax HEW20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.725-5.85GHz

EBW

30/10/2021

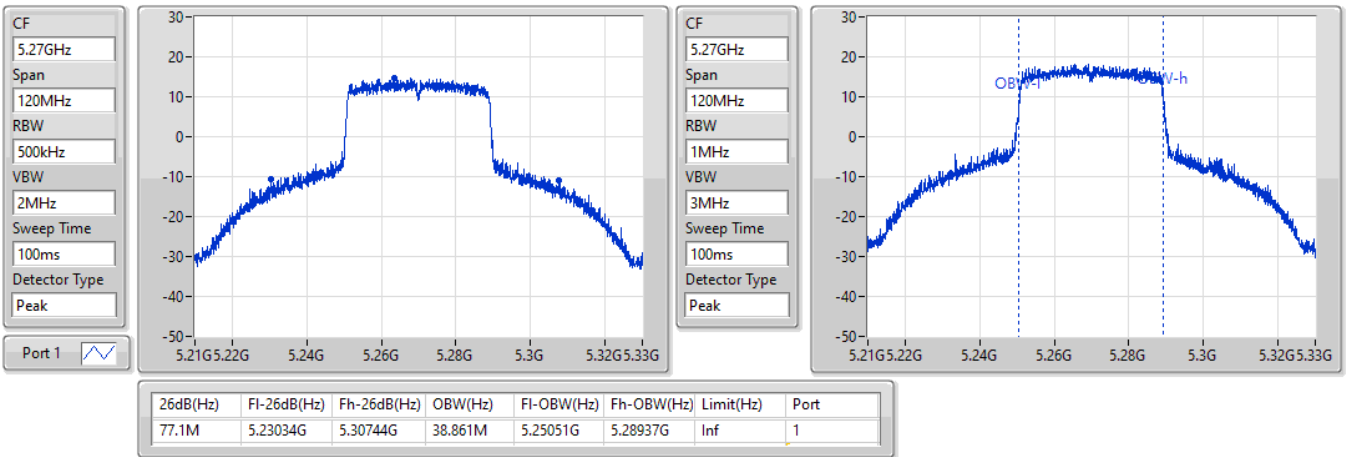


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5270MHz

30/10/2021

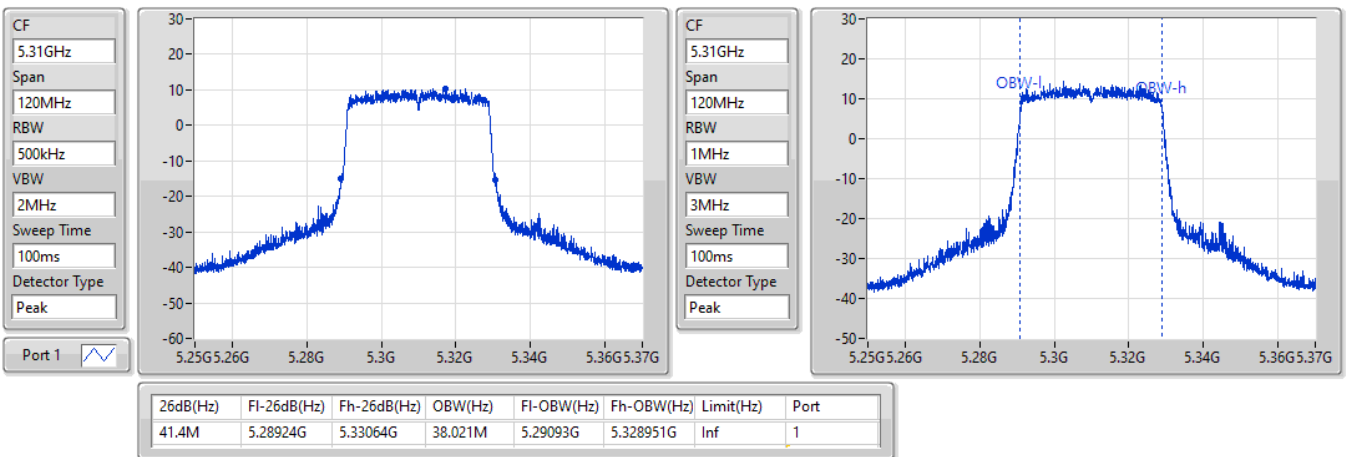


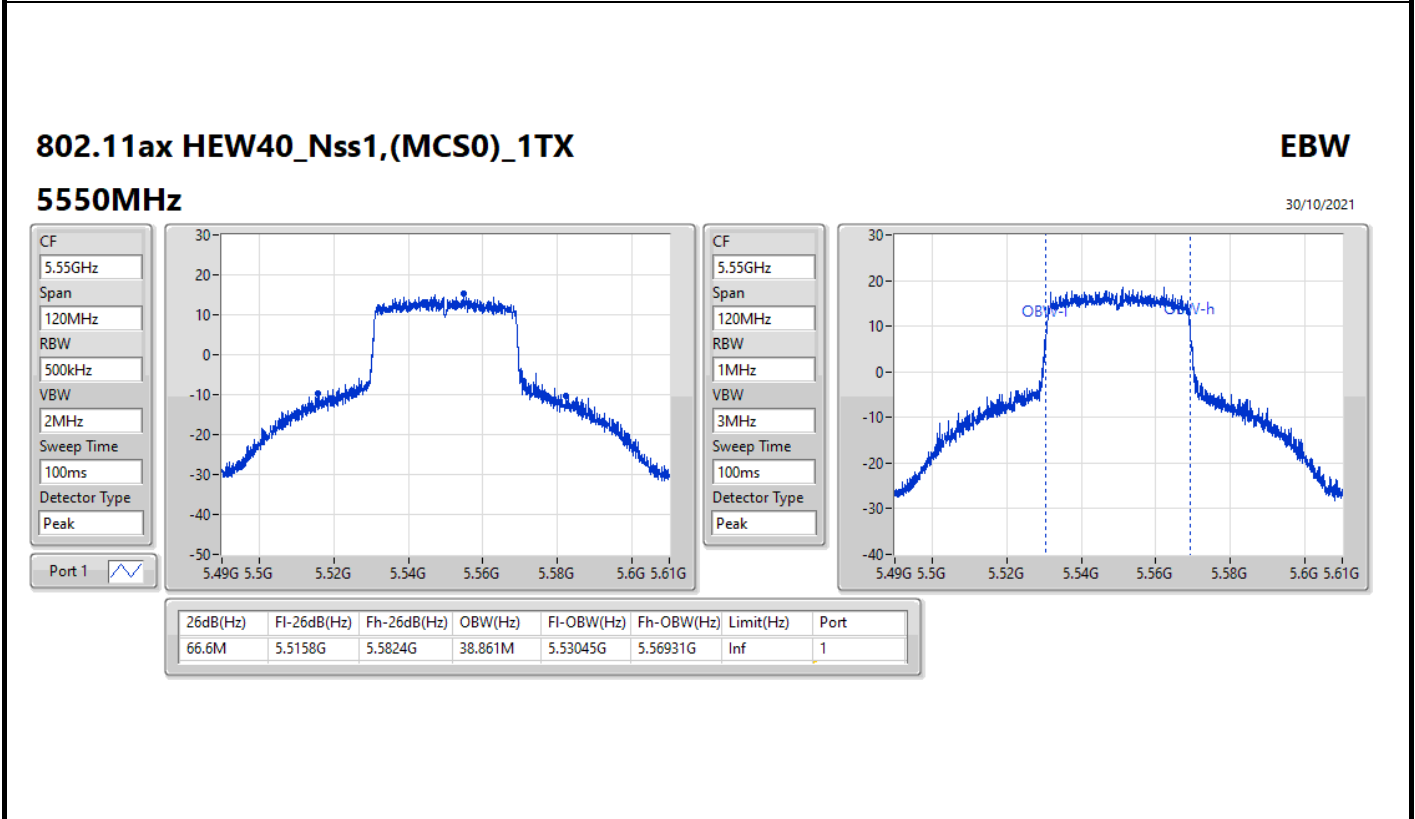
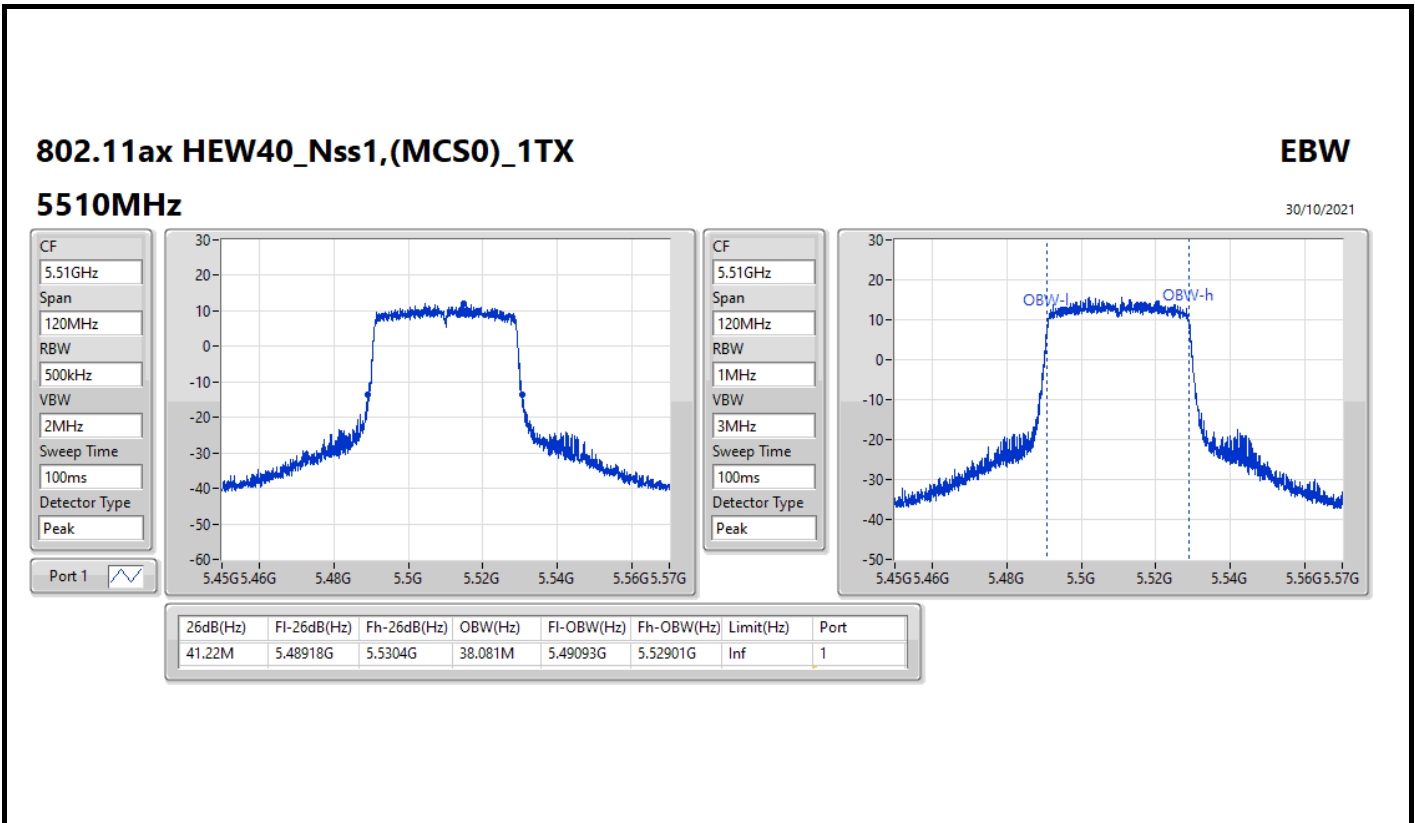
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5310MHz

30/10/2021



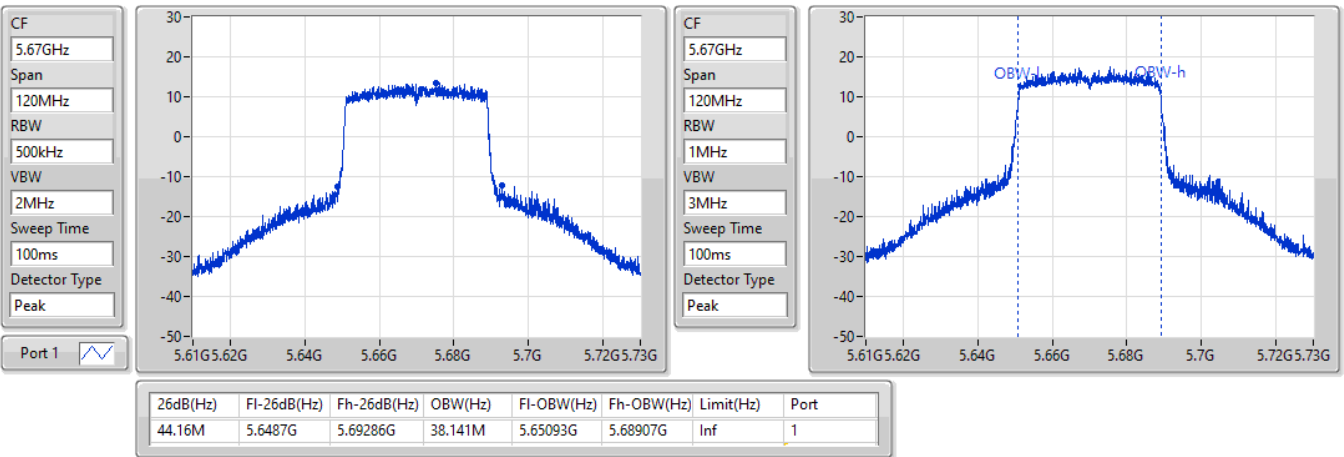


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

30/10/2021

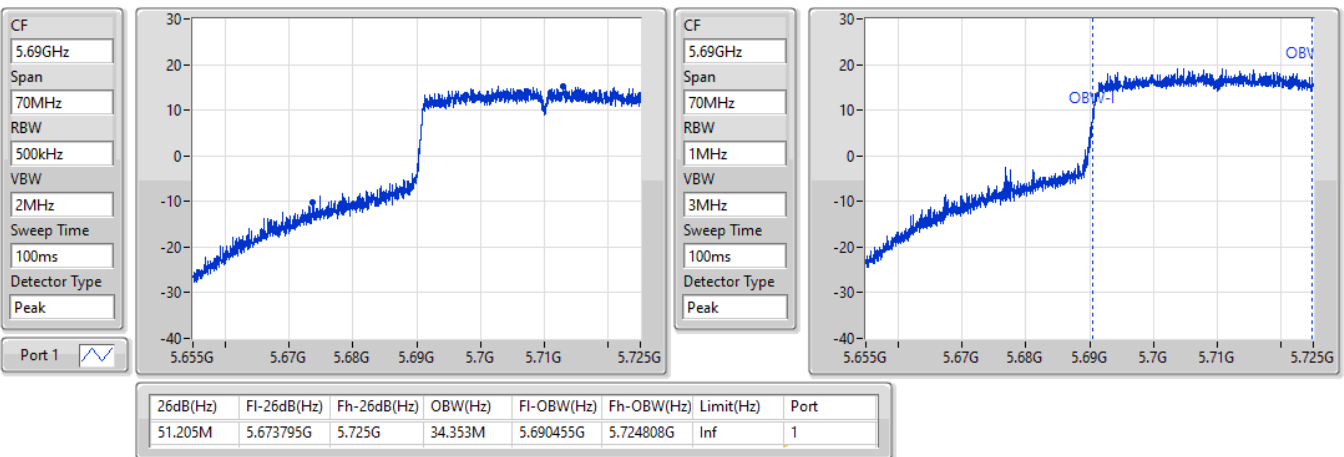


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/10/2021

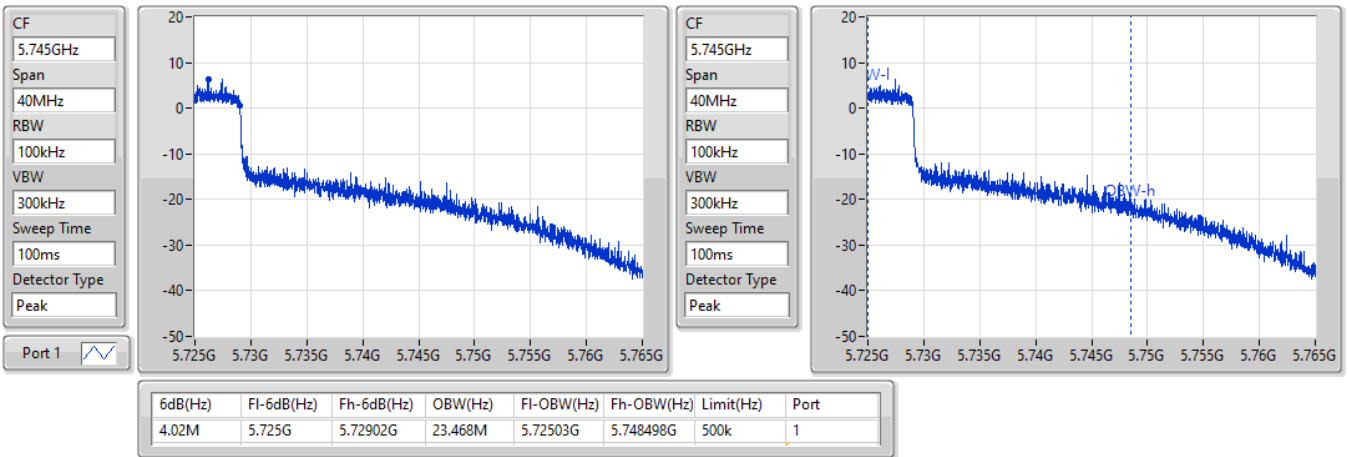


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/10/2021

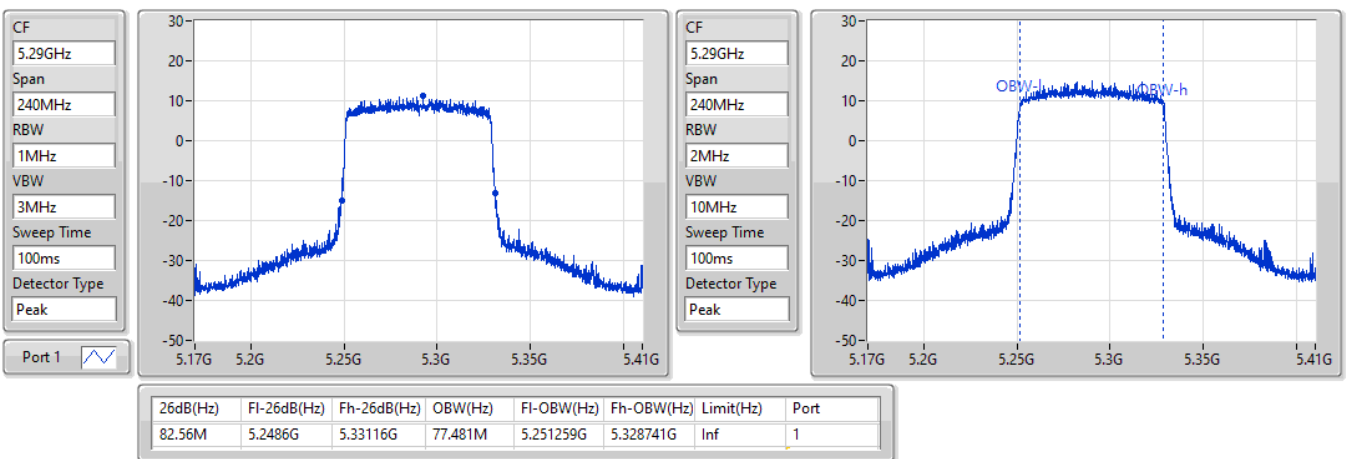


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

30/10/2021

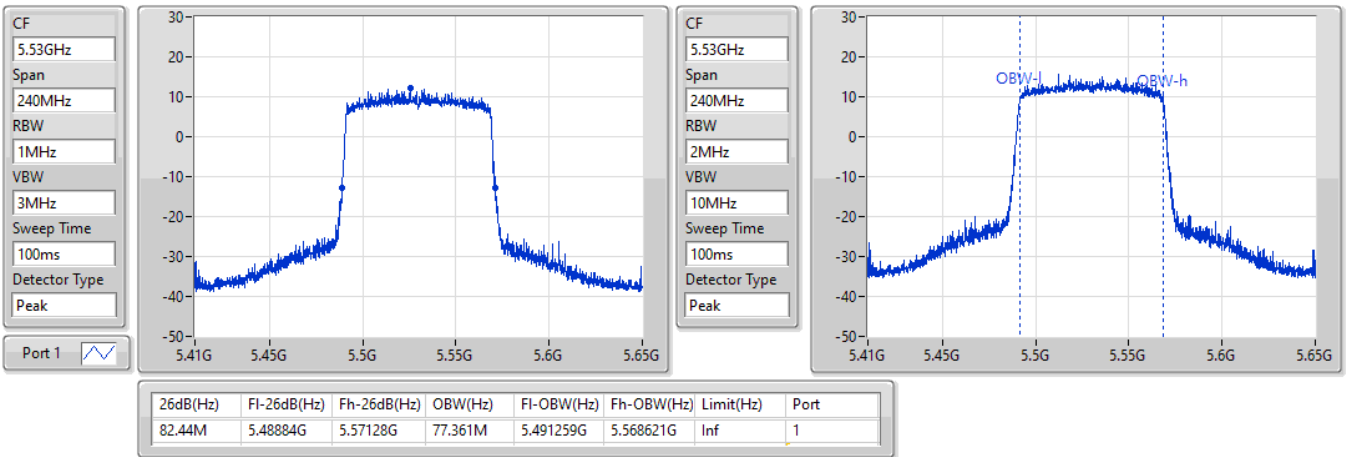


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

30/10/2021

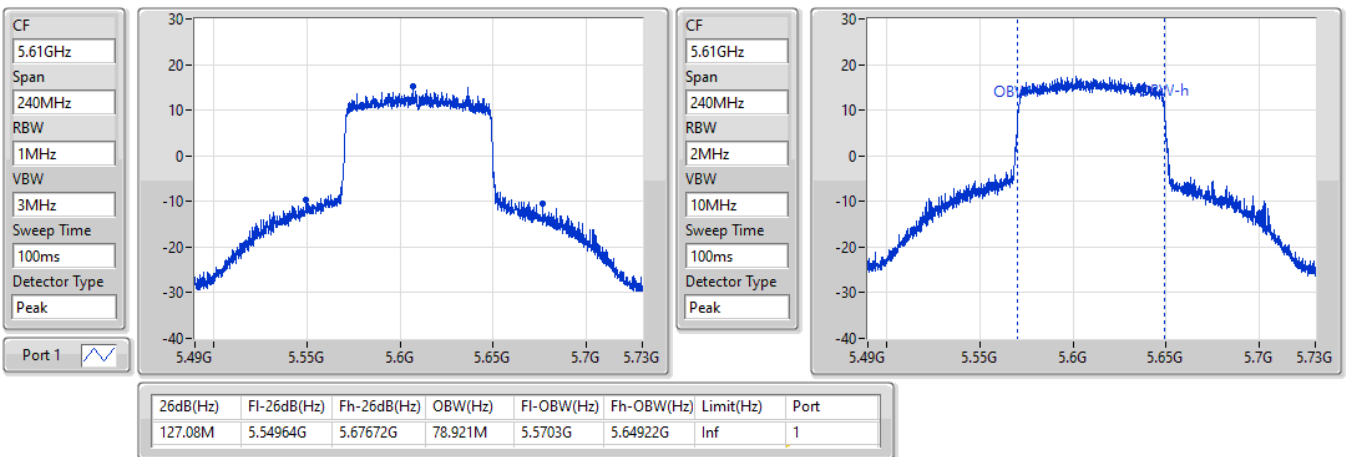


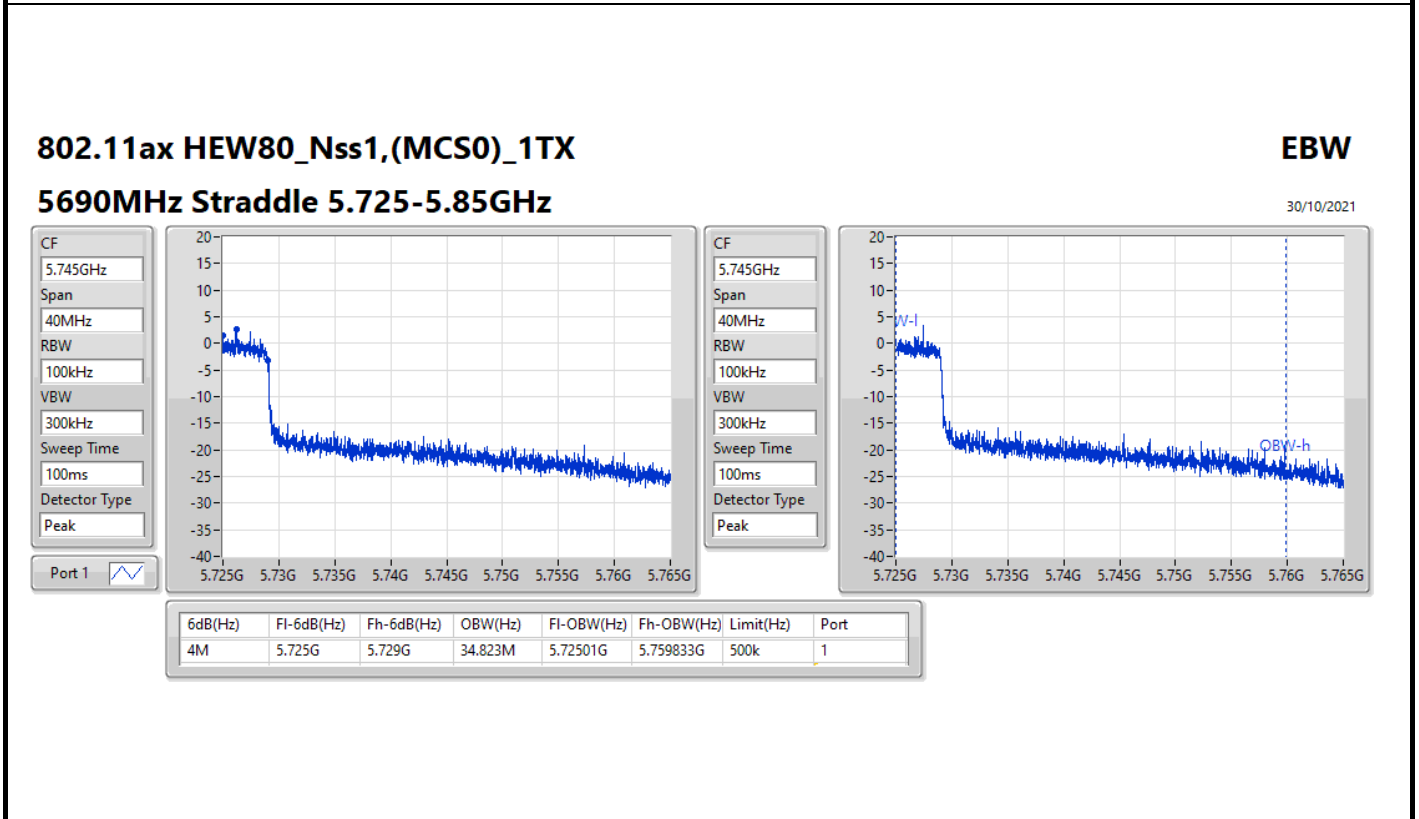
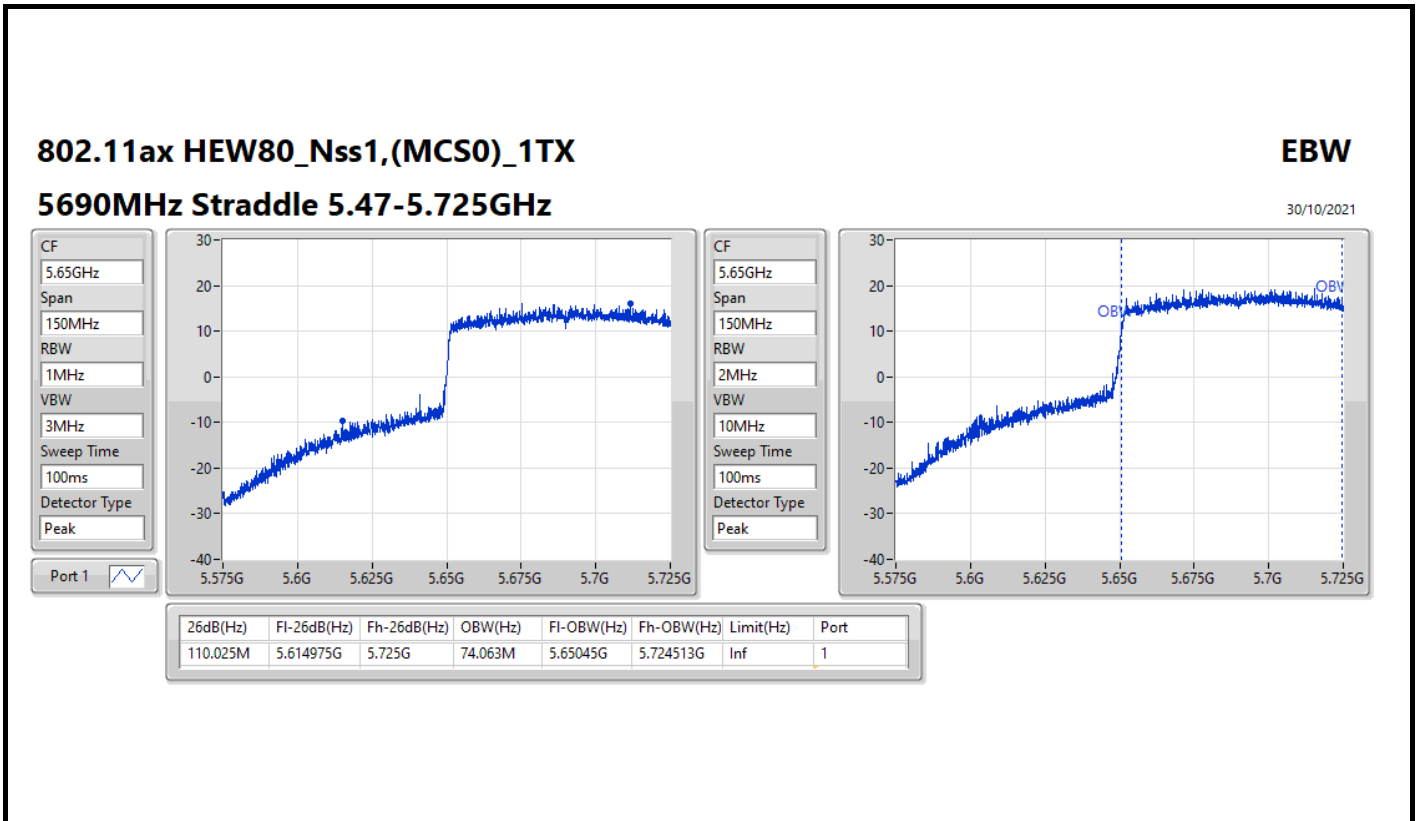
802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

30/10/2021







Summary

Mode	Max	ITU-Code	Min
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_1TX	14.86M	15MD1D	14.86M
802.11ax HEW20_Nss1,(MCS0)_1TX	17.42M	17M4D1D	17.42M
802.11ax HEW40_Nss1,(MCS0)_1TX	28.54M	28M5D1D	28.54M
802.11ax HEW80_Nss1,(MCS0)_1TX	40M	40MD1D	40M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	14.86M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	17.42M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	28.54M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	40M

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

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

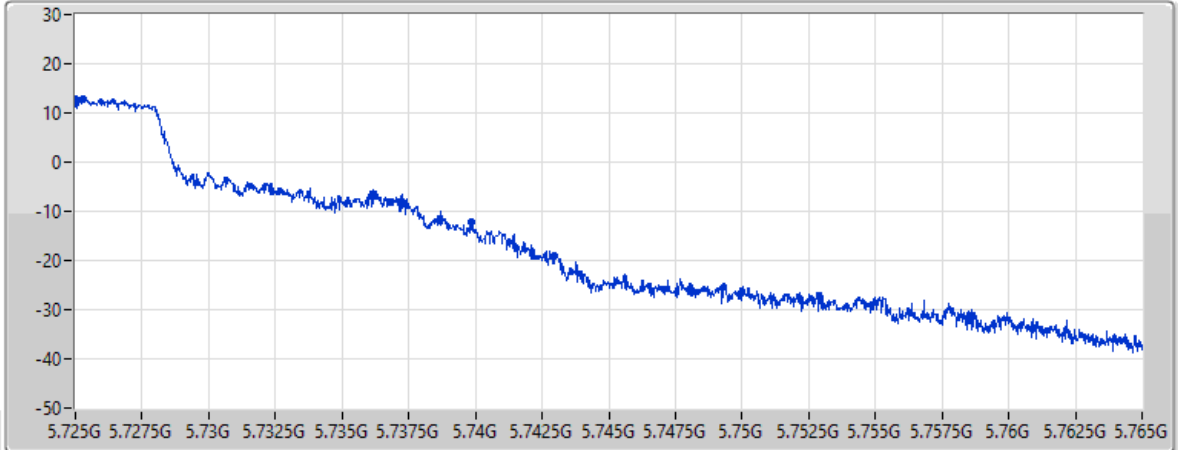
Span
40MHz


RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1 

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
14.86M	5.725G	5.73986G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

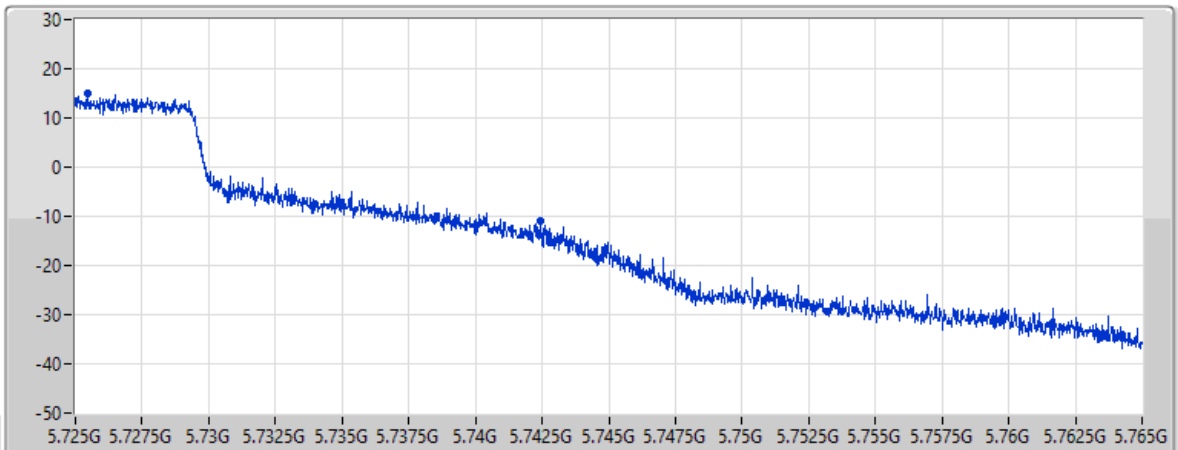
Span
40MHz


RBW
300kHz

VBW
1MHz

Sweep Time
100ms

Detector Type
Peak



Port 1 

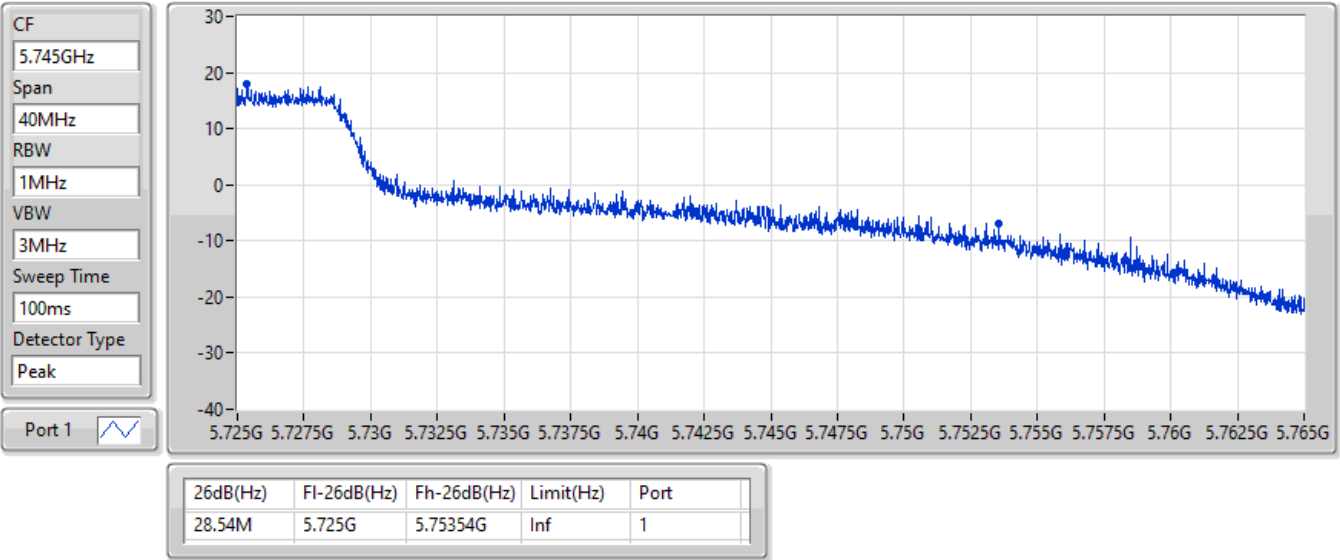
26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
17.42M	5.725G	5.74242G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

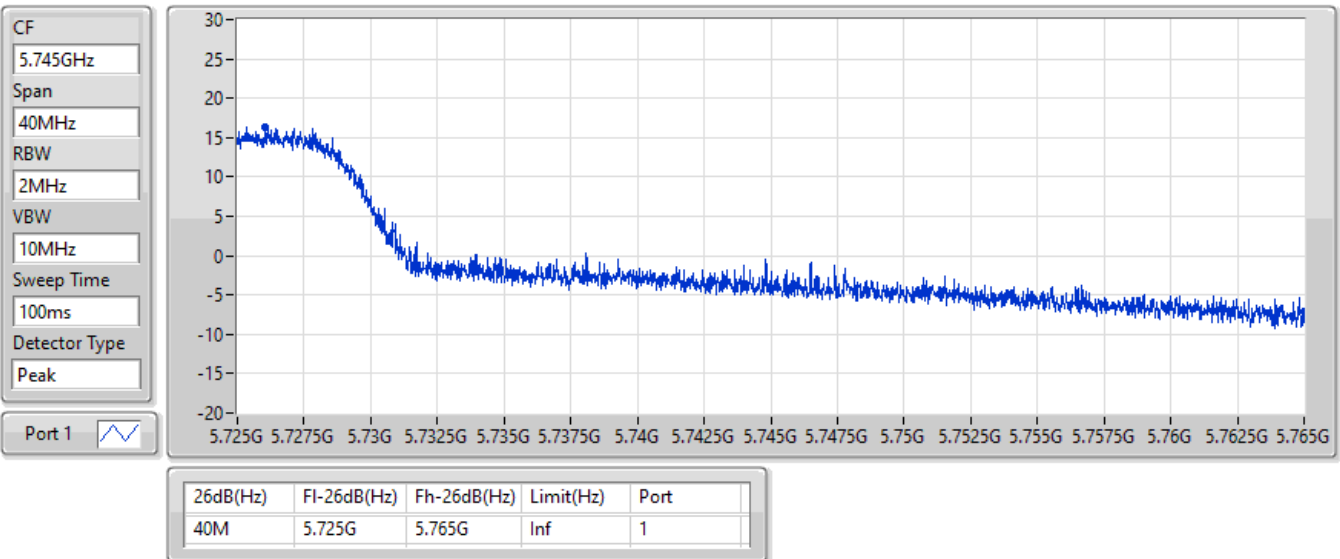


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021





Summary

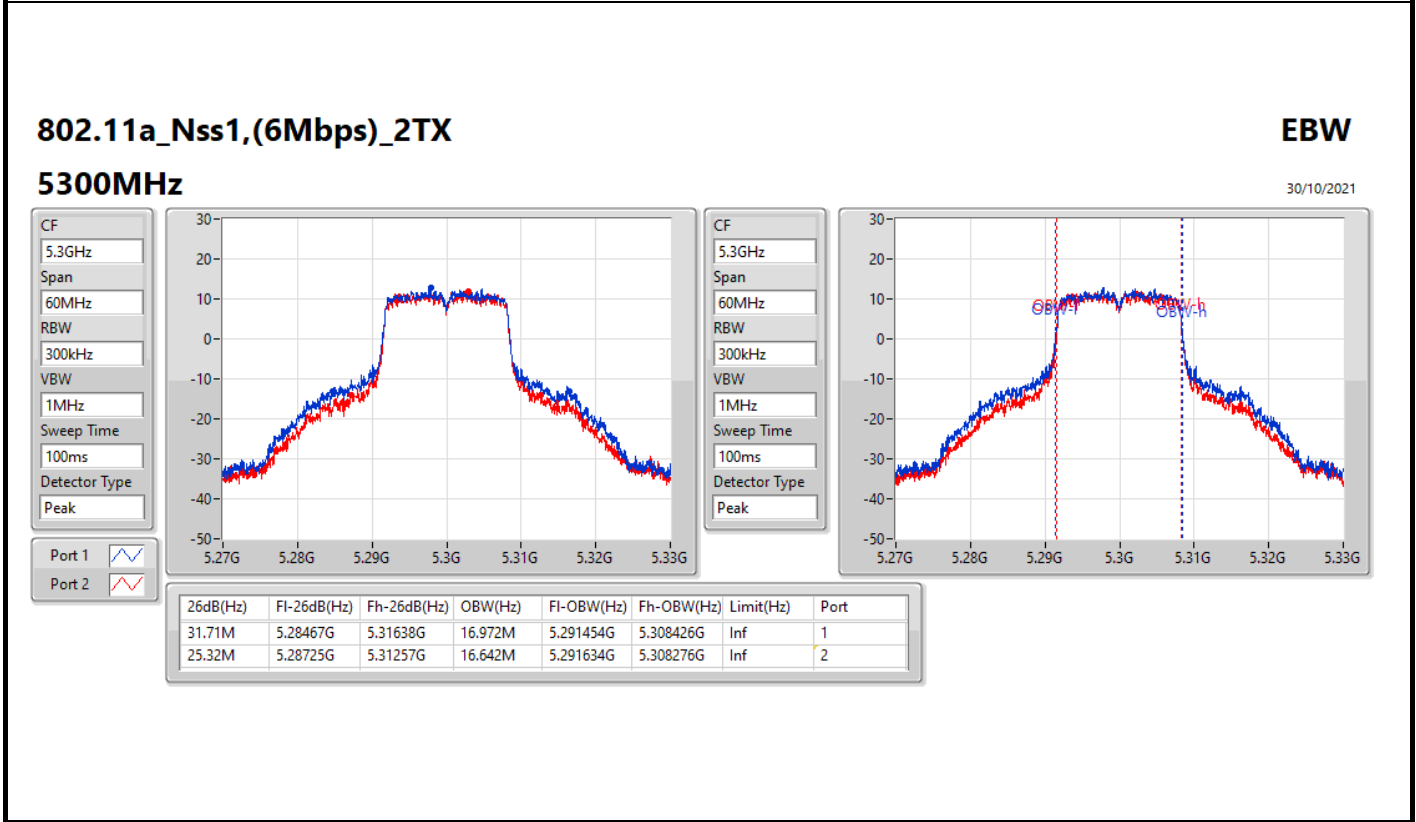
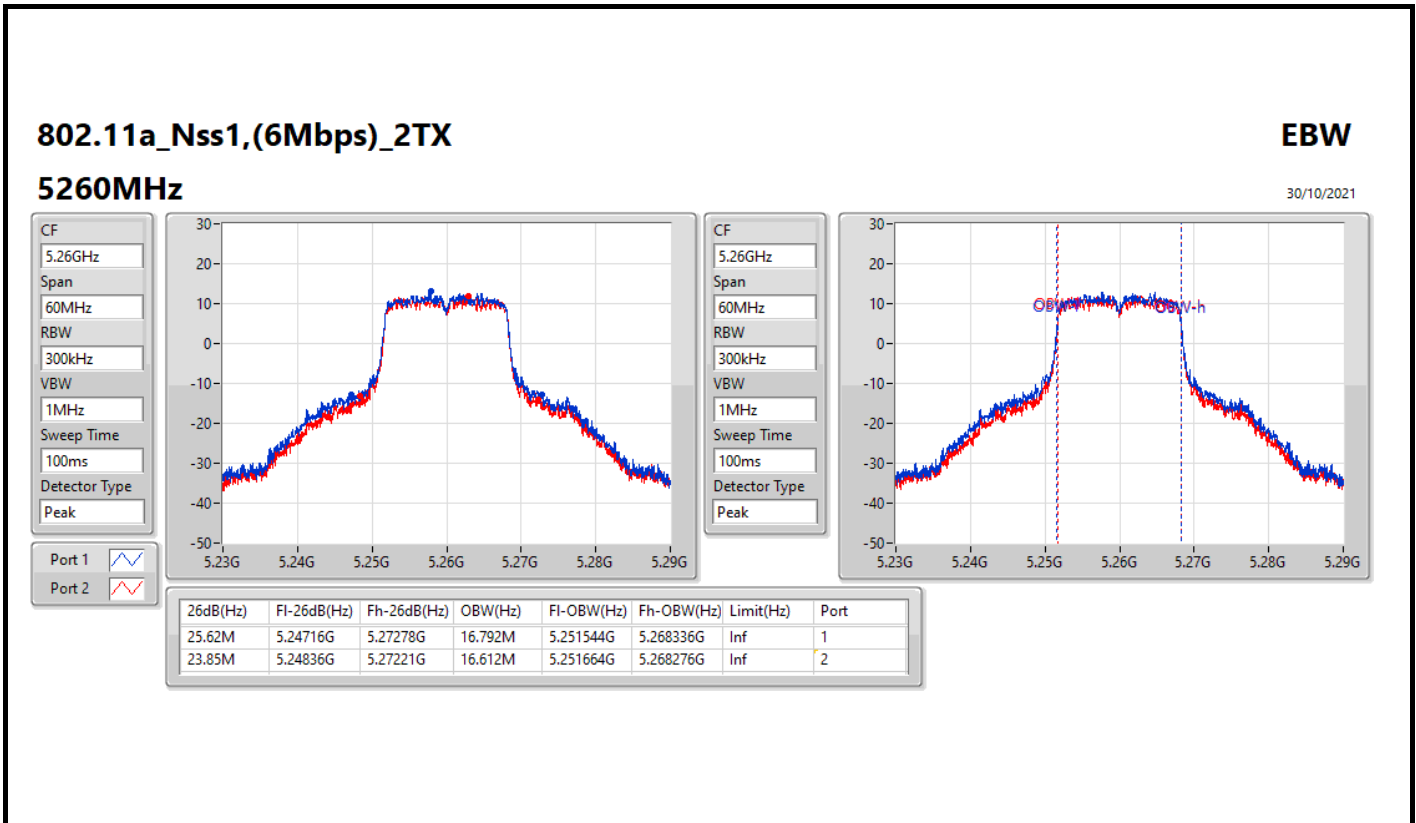
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	31.71M	16.972M	17M0D1D	20.85M	16.492M
802.11ax HEW20_Nss1,(MCS0)_2TX	35.01M	19.31M	19M3D1D	22.02M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	56.28M	38.381M	38M4D1D	40.98M	37.961M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.8M	77.481M	77M5D1D	82.2M	77.481M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	33.21M	17.271M	17M3D1D	15.87M	13.358M
802.11ax HEW20_Nss1,(MCS0)_2TX	40.95M	19.46M	19M5D1D	18.03M	14.588M
802.11ax HEW40_Nss1,(MCS0)_2TX	61.38M	38.501M	38M5D1D	38.01M	34.003M
802.11ax HEW80_Nss1,(MCS0)_2TX	106.56M	78.201M	78M2D1D	76.875M	73.463M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.1M	6.397M	6M40D1D	3.1M	5.077M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.4M	7.996M	8M00D1D	4.38M	6.477M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.06M	17.771M	17M8D1D	4.06M	14.173M
802.11ax HEW80_Nss1,(MCS0)_2TX	4M	31.184M	31M2D1D	4M	26.247M

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	25.62M	16.792M	23.85M	16.612M
5300MHz	Pass	Inf	31.71M	16.972M	25.32M	16.642M
5320MHz	Pass	Inf	21.21M	16.582M	20.85M	16.492M
5500MHz	Pass	Inf	20.43M	16.522M	19.8M	16.462M
5580MHz	Pass	Inf	33.21M	17.271M	24.6M	16.612M
5700MHz	Pass	Inf	19.5M	16.462M	19.41M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.74M	13.433M	15.87M	13.358M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	6.397M	3.1M	5.077M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	Inf	26.91M	19.07M	28.77M	19.04M
5300MHz	Pass	Inf	35.01M	19.31M	27.6M	19.1M
5320MHz	Pass	Inf	24.87M	19.04M	22.02M	18.981M
5500MHz	Pass	Inf	21.42M	18.981M	21.21M	18.951M
5580MHz	Pass	Inf	40.95M	19.46M	29.52M	19.1M
5700MHz	Pass	Inf	21.36M	18.921M	21.15M	18.891M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.07M	14.618M	18.03M	14.588M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	7.996M	4.38M	6.477M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	Inf	56.28M	38.381M	49.26M	38.321M
5310MHz	Pass	Inf	40.98M	38.021M	41.58M	37.961M
5510MHz	Pass	Inf	40.8M	37.901M	40.8M	38.021M
5550MHz	Pass	Inf	61.38M	38.501M	47.04M	38.321M
5670MHz	Pass	Inf	49.2M	38.261M	41.52M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	46.865M	34.003M	38.01M	34.003M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	17.771M	4.06M	14.173M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	Inf	82.2M	77.481M	82.8M	77.481M
5530MHz	Pass	Inf	82.32M	77.241M	81.96M	77.361M
5610MHz	Pass	Inf	106.56M	78.201M	83.28M	77.961M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.325M	73.688M	76.875M	73.463M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	31.184M	4M	26.247M

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



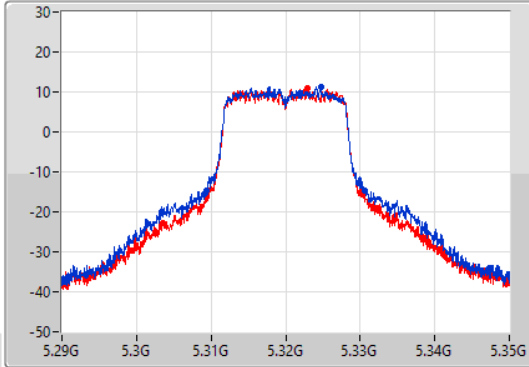
802.11a_Nss1,(6Mbps)_2TX

EBW

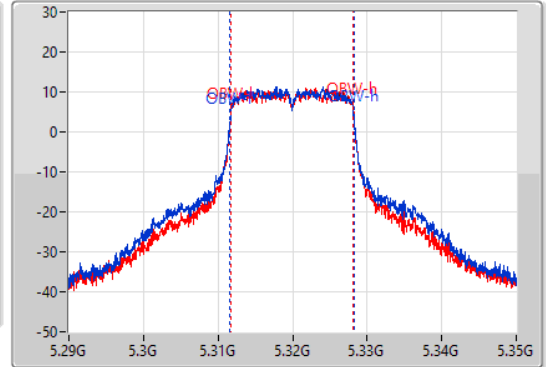
5320MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30941G	5.33062G	16.582M	5.311634G	5.328216G	Inf	1
20.85M	5.30956G	5.33041G	16.492M	5.311694G	5.328186G	Inf	2

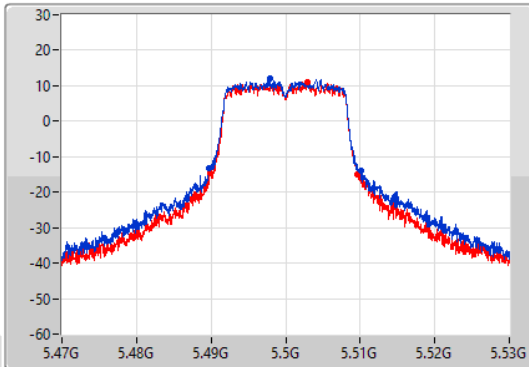
802.11a_Nss1,(6Mbps)_2TX

EBW

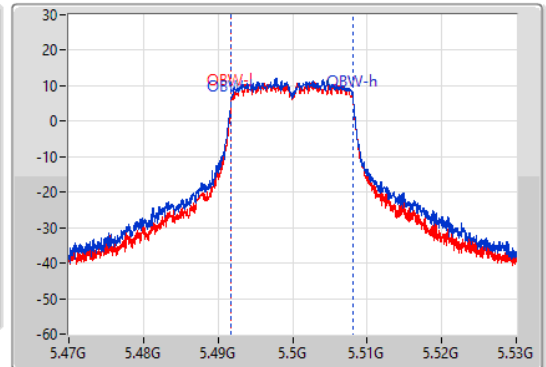
5500MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.43M	5.48965G	5.51008G	16.522M	5.491664G	5.508186G	Inf	1
19.8M	5.48989G	5.50969G	16.462M	5.491724G	5.508186G	Inf	2

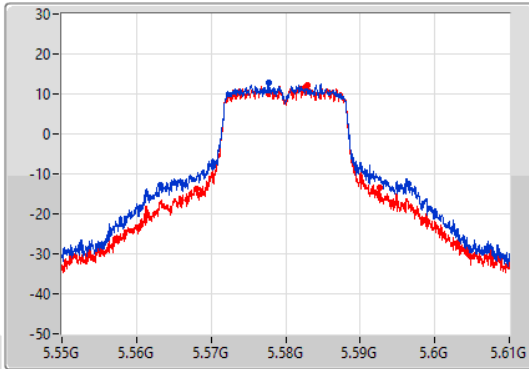
802.11a_Nss1,(6Mbps)_2TX

EBW

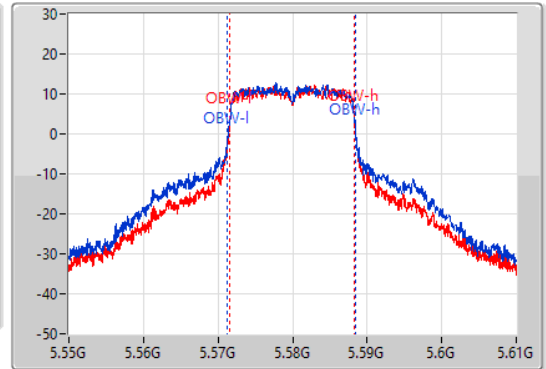
5580MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.21M	5.56323G	5.59644G	17.271M	5.571244G	5.588516G	Inf	1
24.6M	5.568G	5.5926G	16.612M	5.571634G	5.588246G	Inf	2

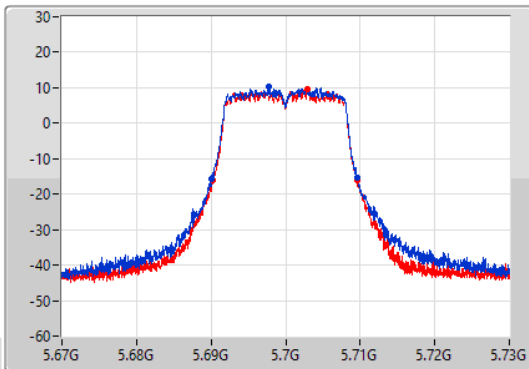
802.11a_Nss1,(6Mbps)_2TX

EBW

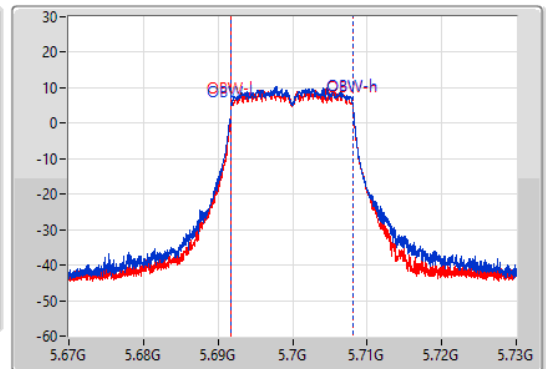
5700MHz

30/10/2021

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
Peak



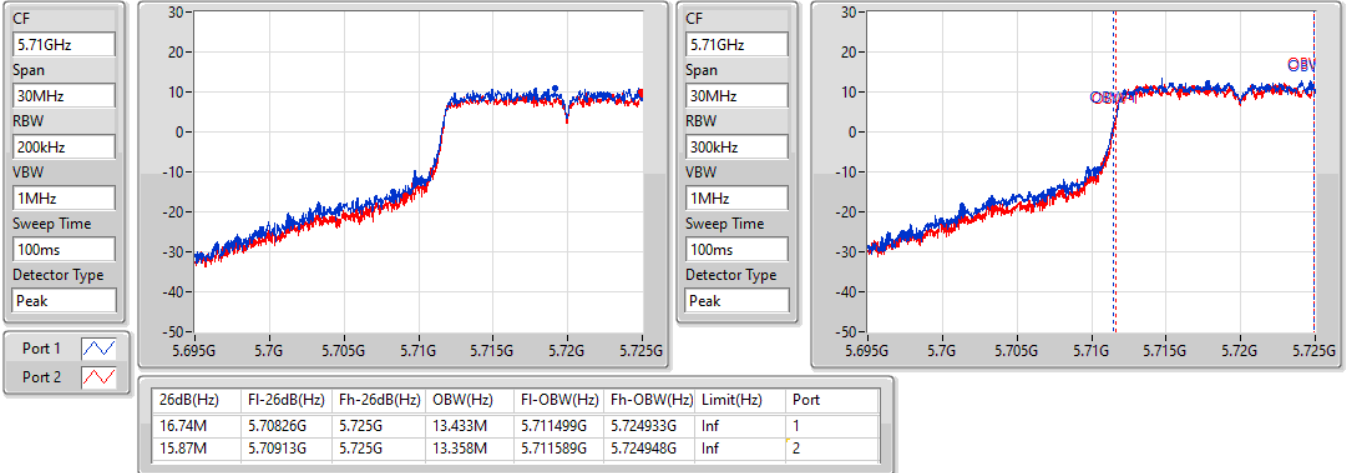
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.5M	5.69004G	5.70954G	16.462M	5.691694G	5.708156G	Inf	1
19.41M	5.69025G	5.70966G	16.432M	5.691724G	5.708156G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/10/2021

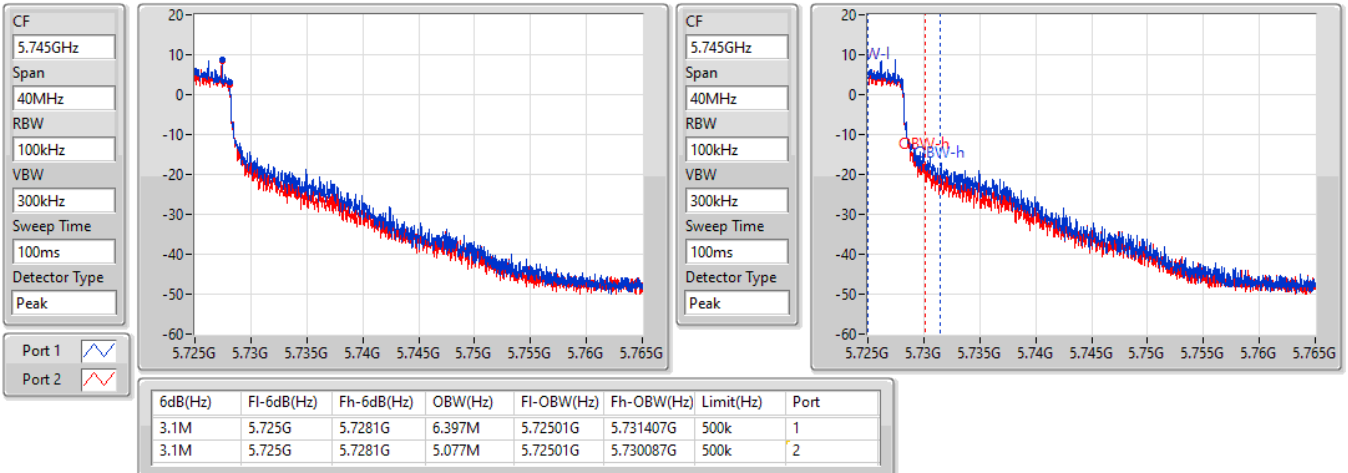


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/10/2021

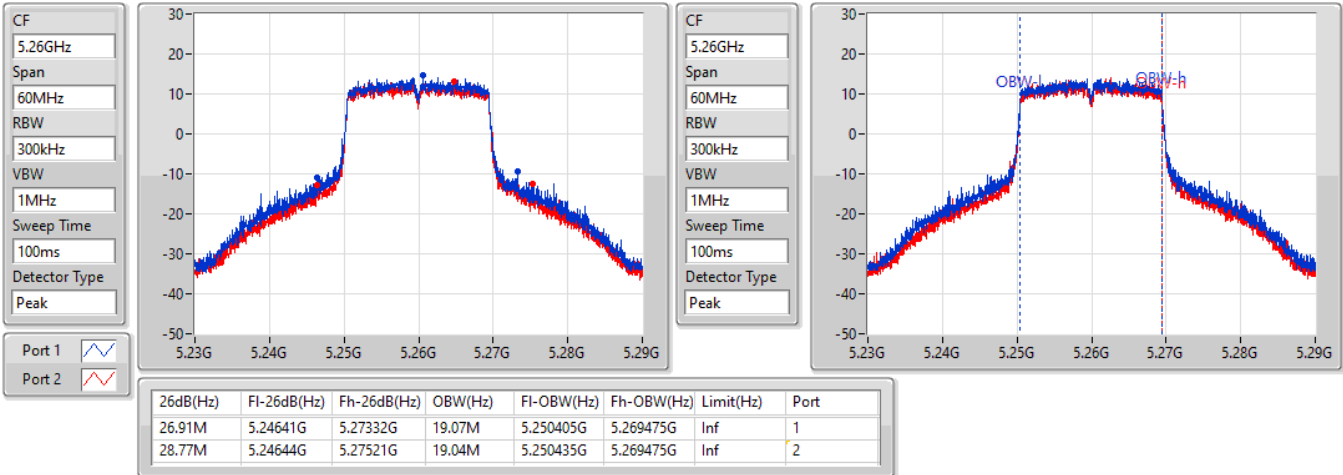


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

30/10/2021

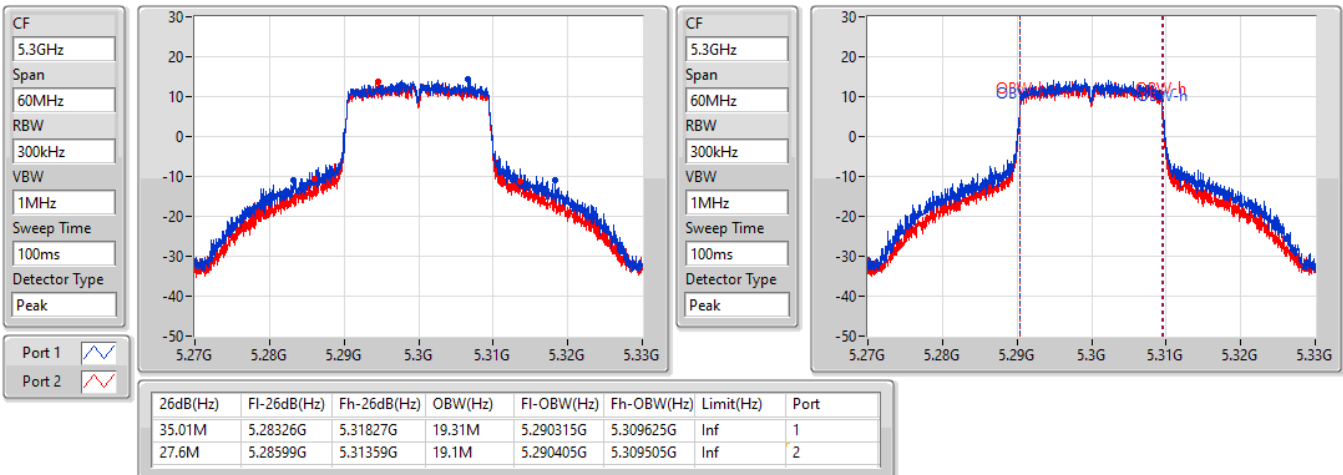


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

30/10/2021



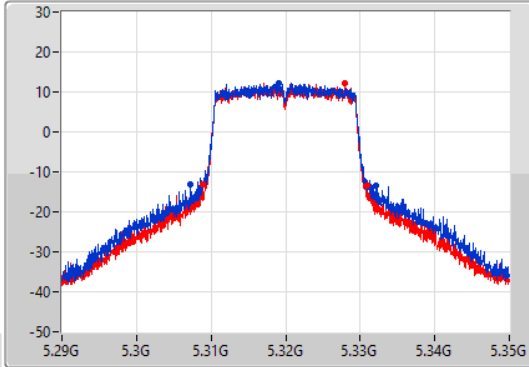
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

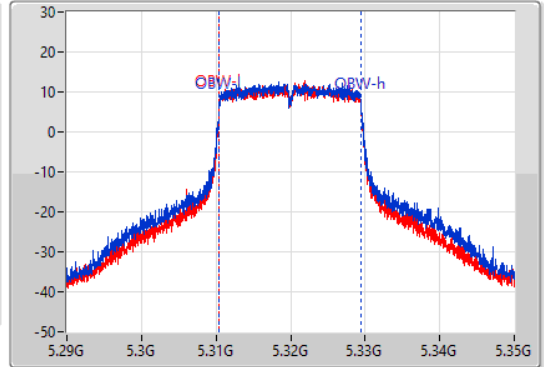
5320MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
24.87M	5.30725G	5.33212G	19.04M	5.310435G	5.329475G	Inf	1
22.02M	5.30896G	5.33098G	18.981M	5.310465G	5.329445G	Inf	2

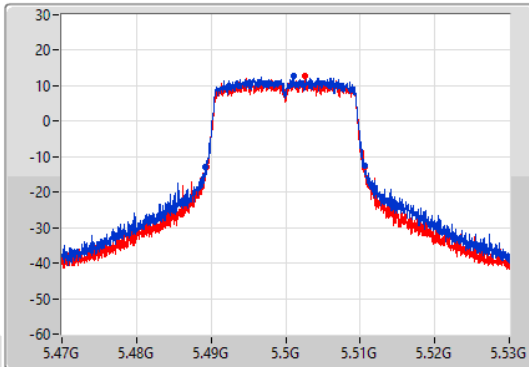
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

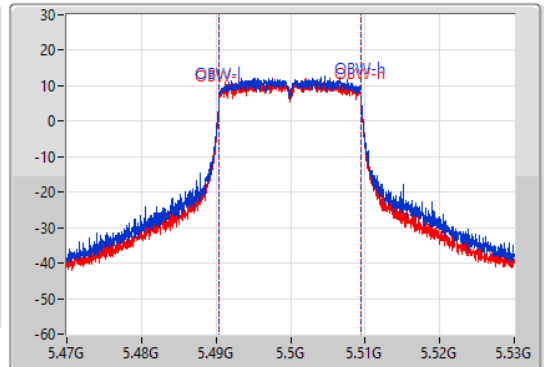
5500MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.42M	5.48923G	5.51065G	18.981M	5.490465G	5.509445G	Inf	1
21.21M	5.48932G	5.51053G	18.951M	5.490465G	5.509415G	Inf	2

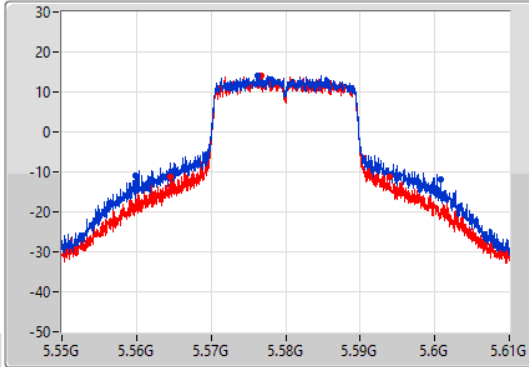
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

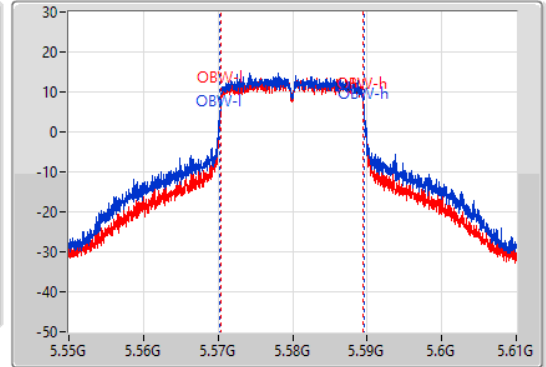
5580MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.95M	5.55978G	5.60073G	19.46M	5.570195G	5.589655G	Inf	1
29.52M	5.56446G	5.59398G	19.1M	5.570405G	5.589505G	Inf	2

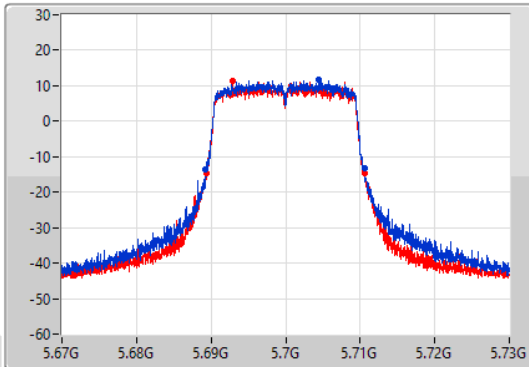
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

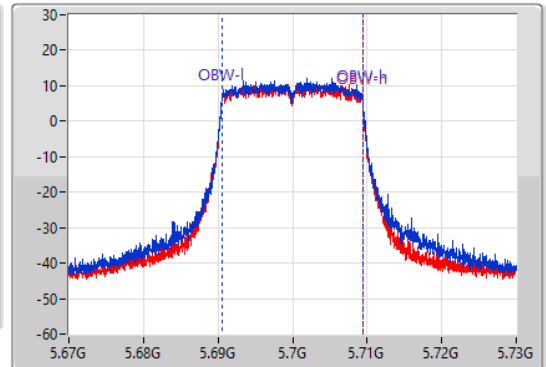
5700MHz

30/10/2021

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
Peak



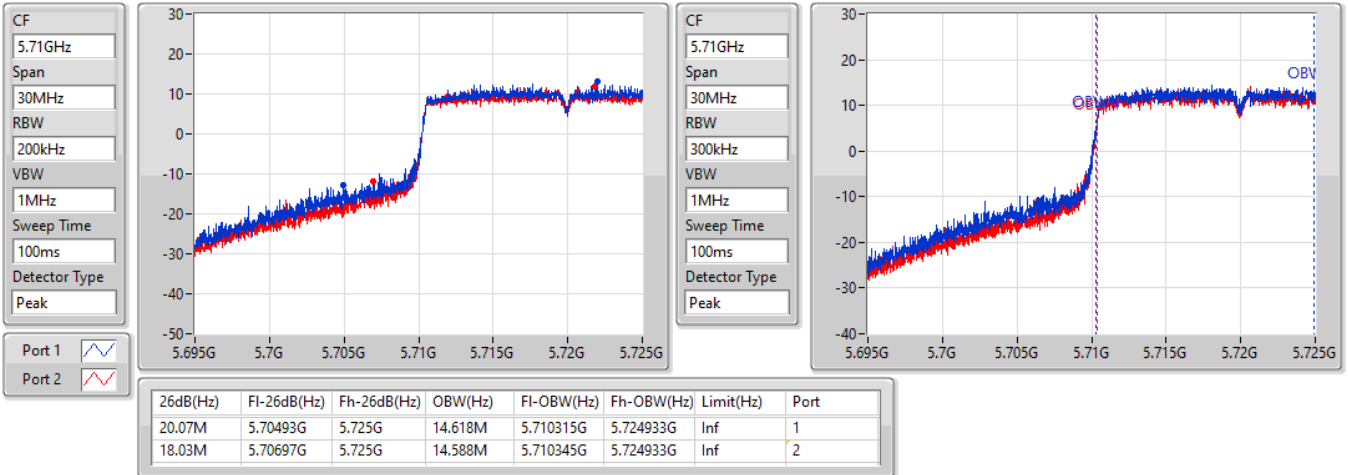
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.36M	5.68923G	5.71059G	18.921M	5.690495G	5.709415G	Inf	1
21.15M	5.68947G	5.71062G	18.891M	5.690495G	5.709385G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/10/2021

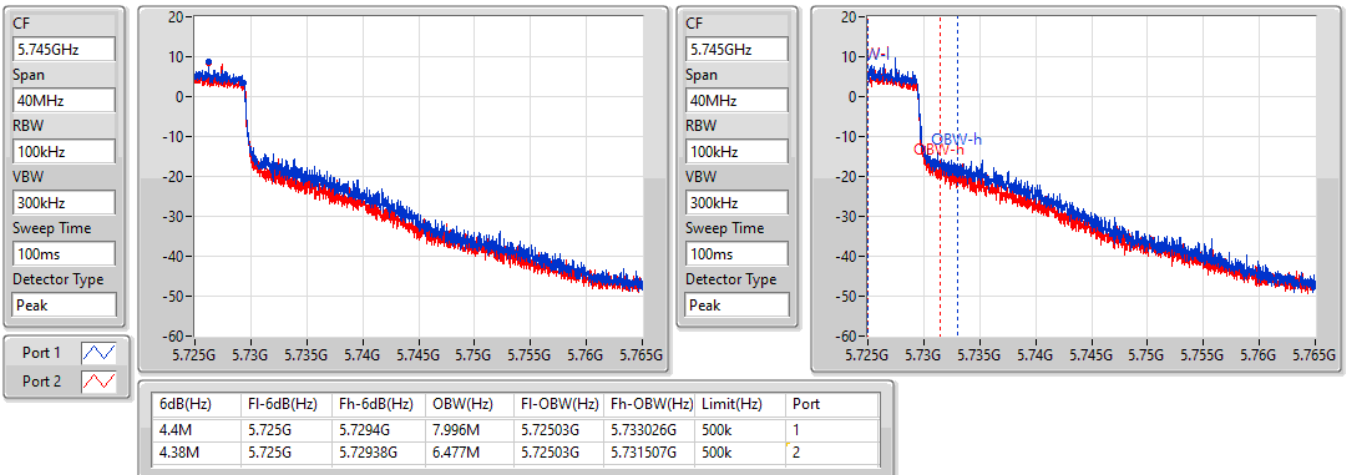


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/10/2021



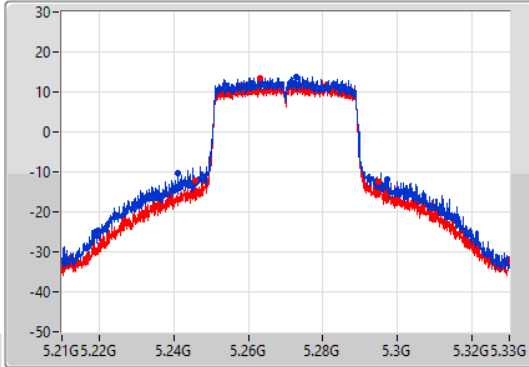
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

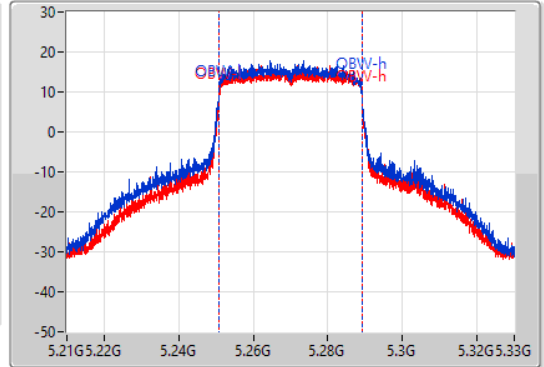
5270MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.28M	5.24102G	5.2973G	38.381M	5.25069G	5.28907G	Inf	1
49.26M	5.24564G	5.2949G	38.321M	5.25081G	5.28913G	Inf	2

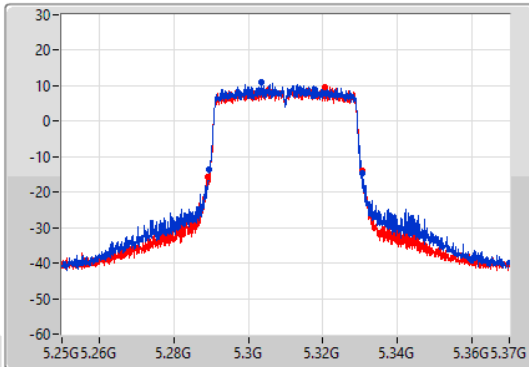
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

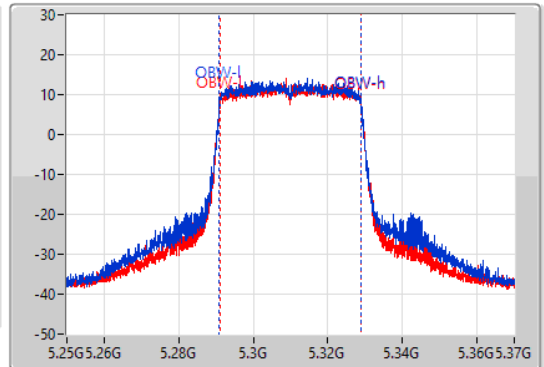
5310MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.98M	5.28942G	5.3304G	38.021M	5.29093G	5.328951G	Inf	1
41.58M	5.28912G	5.3307G	37.961M	5.29099G	5.328951G	Inf	2

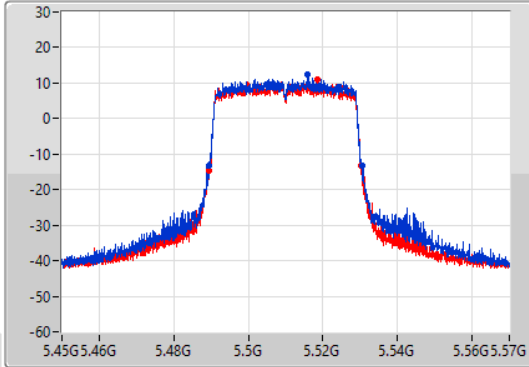
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

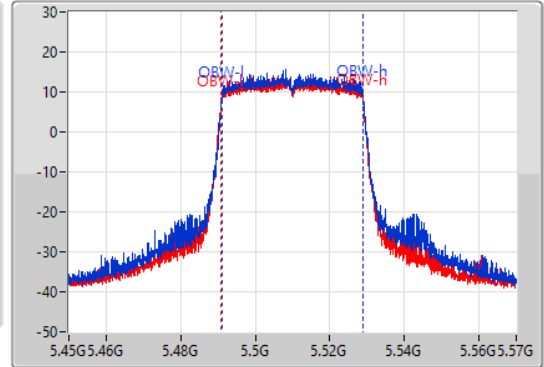
5510MHz

30/10/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.4896G	5.5304G	37.901M	5.49099G	5.528891G	Inf	1
40.8M	5.48948G	5.53028G	38.021M	5.49093G	5.528951G	Inf	2

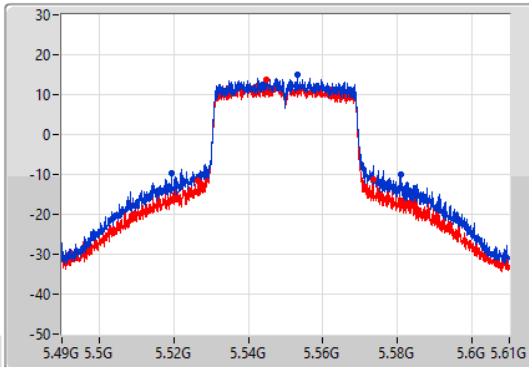
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

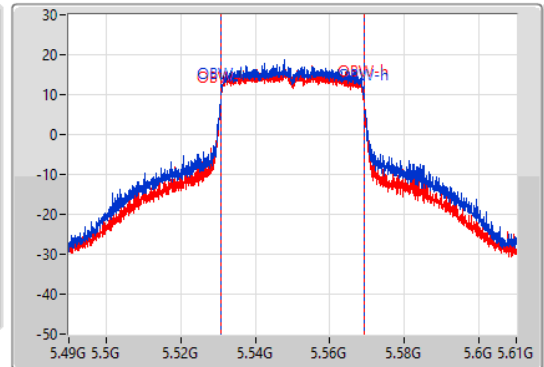
5550MHz

30/10/2021

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
Peak



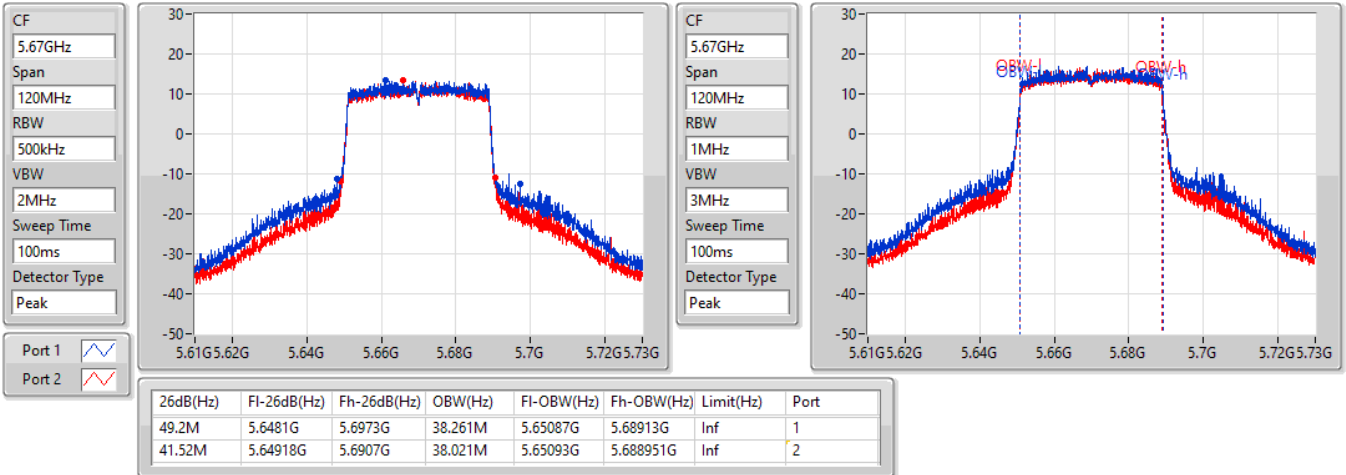
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
61.38M	5.51952G	5.5809G	38.501M	5.53069G	5.56919G	Inf	1
47.04M	5.52636G	5.5734G	38.321M	5.53075G	5.56907G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

30/10/2021

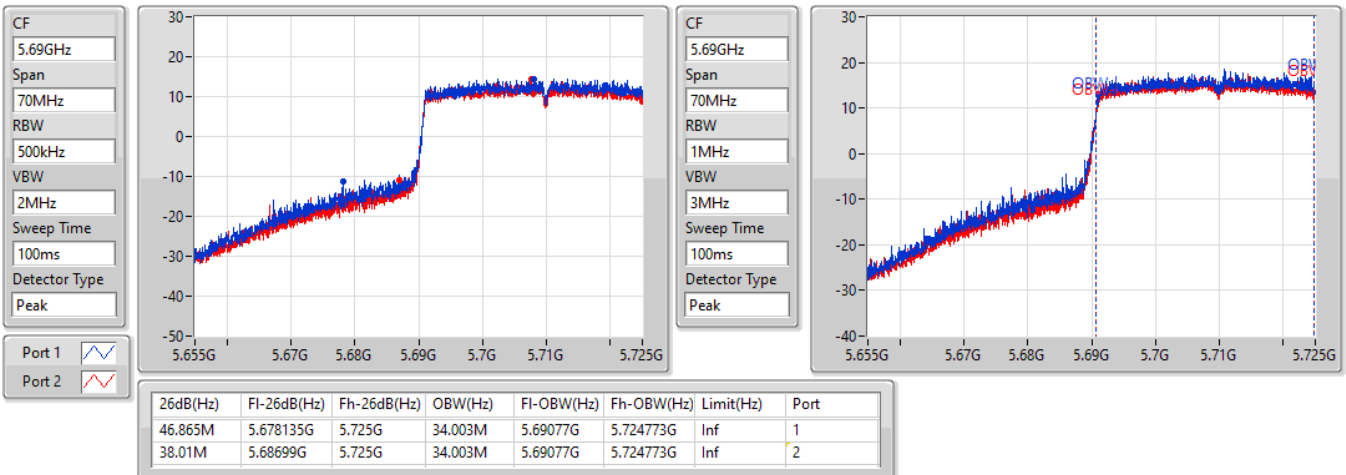


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/10/2021

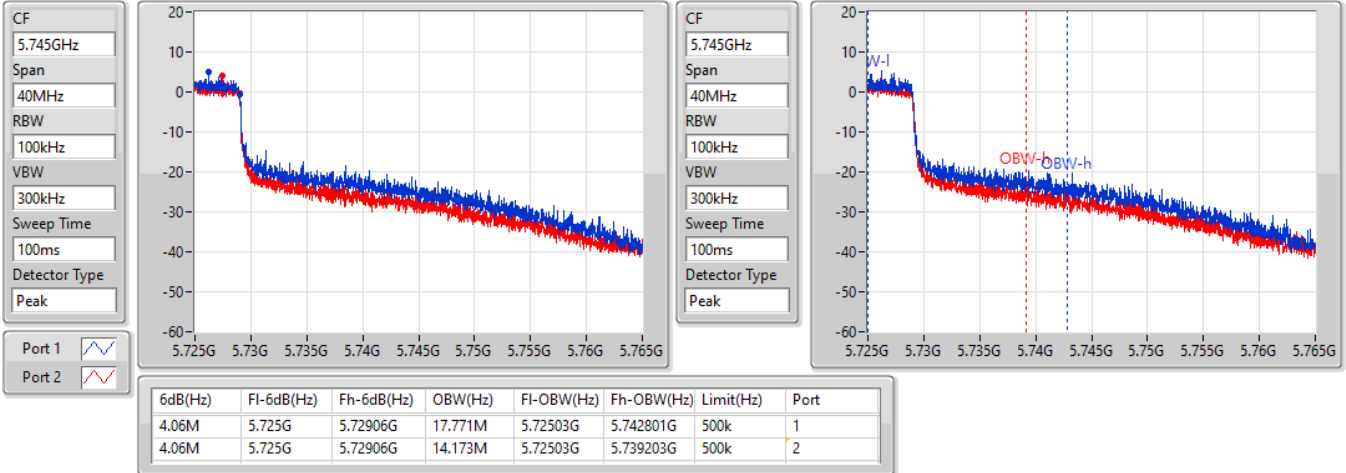


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/10/2021

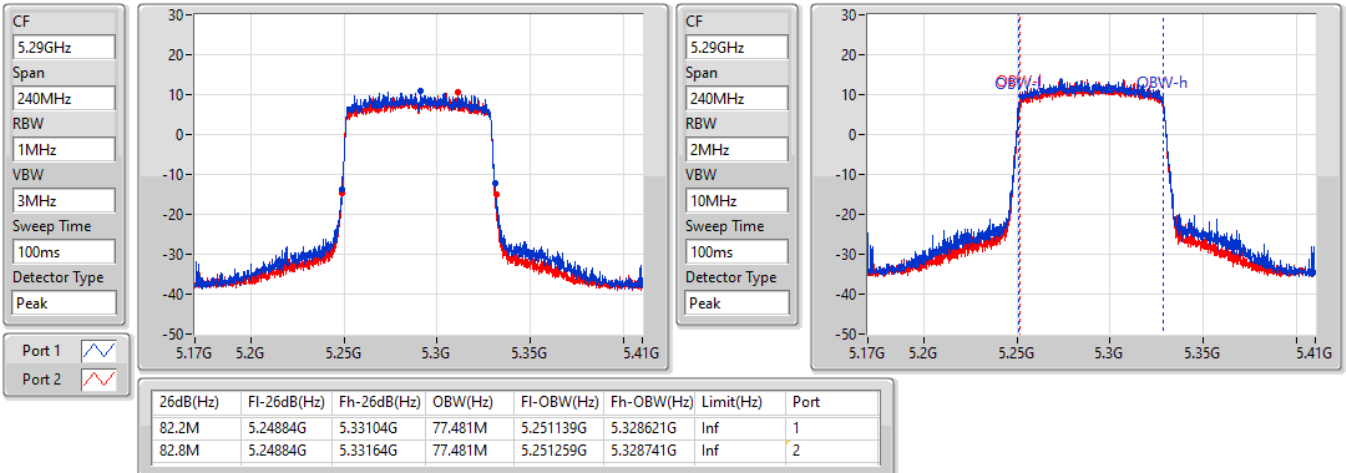


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

30/10/2021

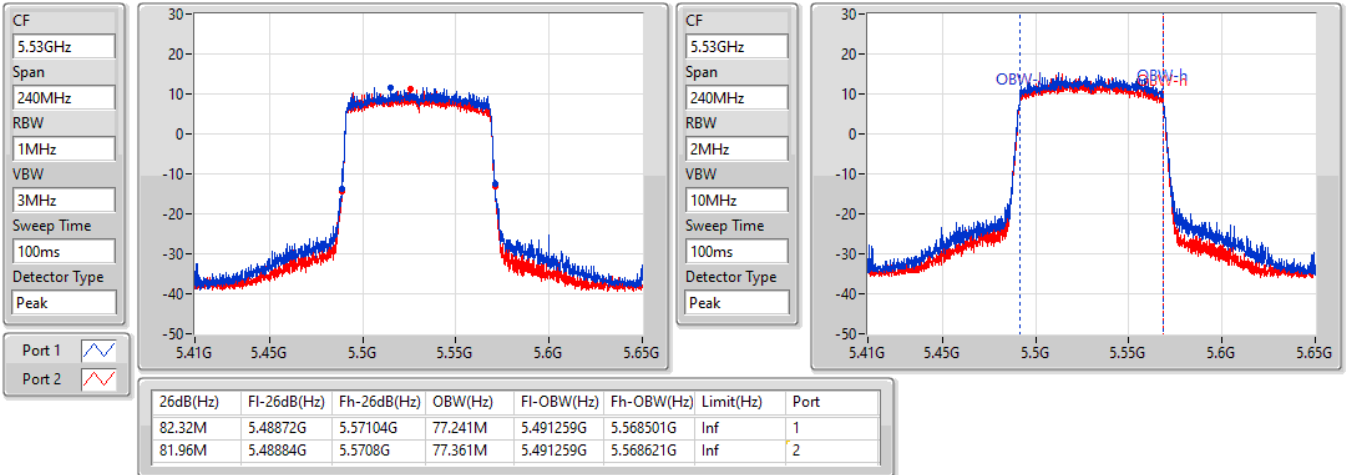


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

30/10/2021

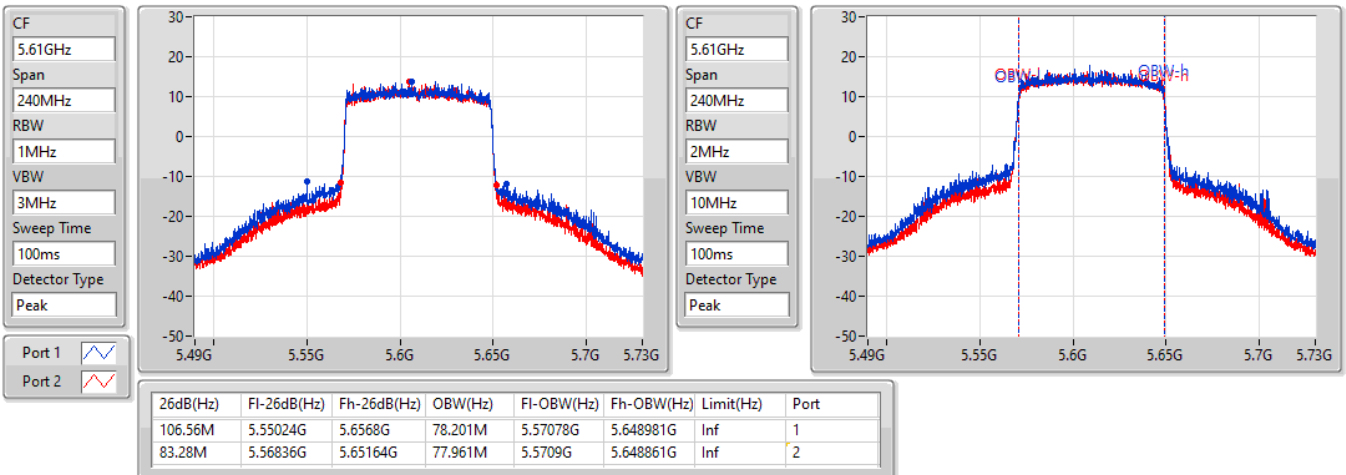


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

30/10/2021

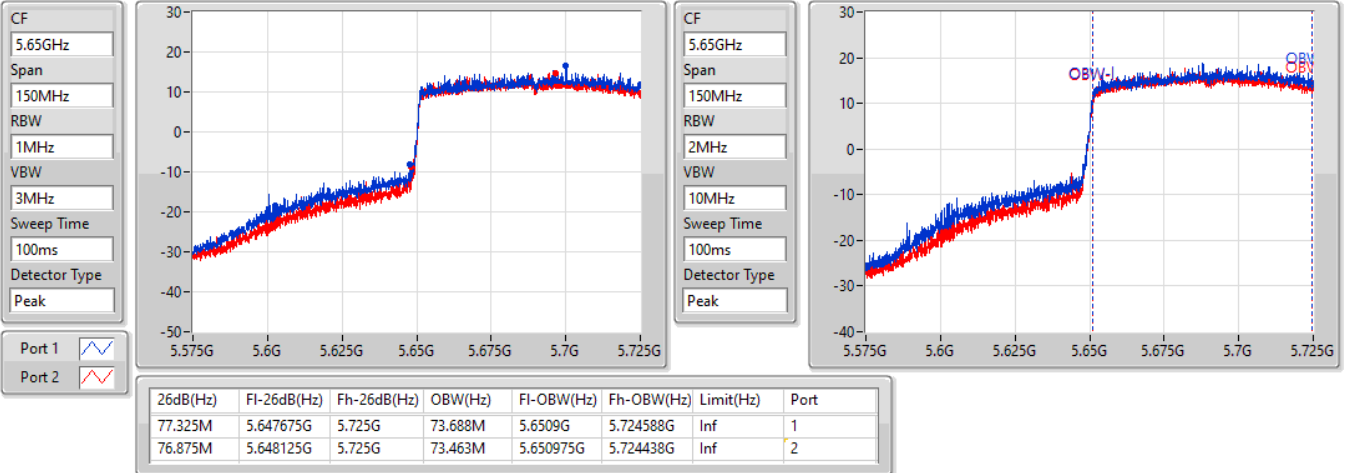


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/10/2021

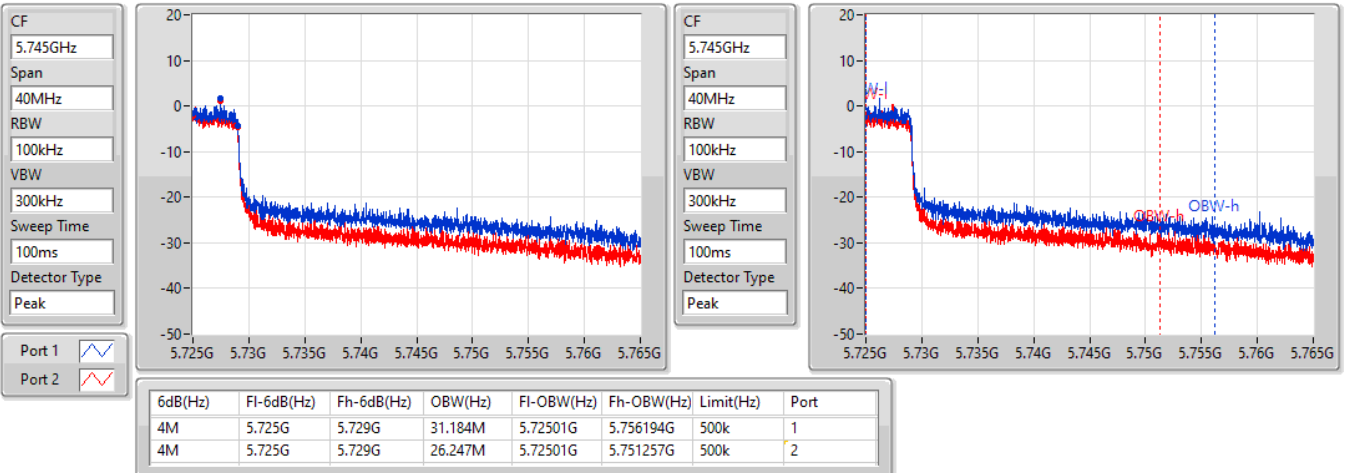


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/10/2021





Summary

Mode	Max-N dB (Hz)	ITU-Code	Min-N dB (Hz)
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_2TX	7.82M	7M82D1D	6.58M
802.11ax HEW20_Nss1,(MCS0)_2TX	13.02M	13M0D1D	10.58M
802.11ax HEW40_Nss1,(MCS0)_2TX	19.92M	19M9D1D	17.36M
802.11ax HEW80_Nss1,(MCS0)_2TX	40M	40M0D1D	39.6M

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 2-N dB (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	7.82M	6.58M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	13.02M	10.58M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	19.92M	17.36M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	40M	39.6M

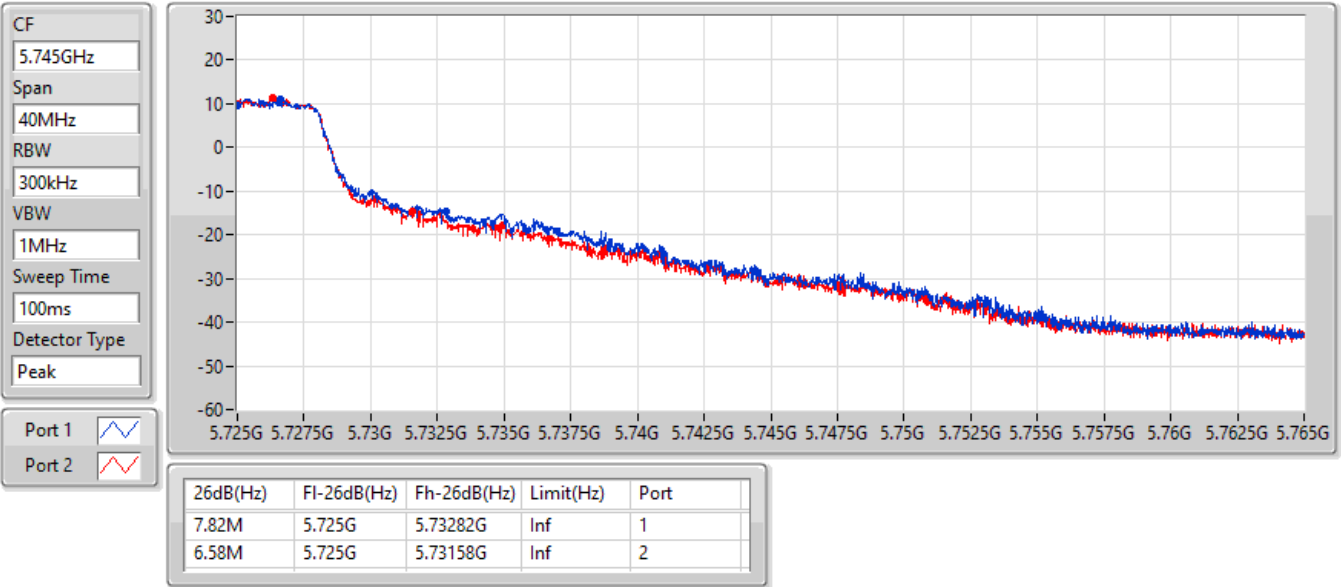
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

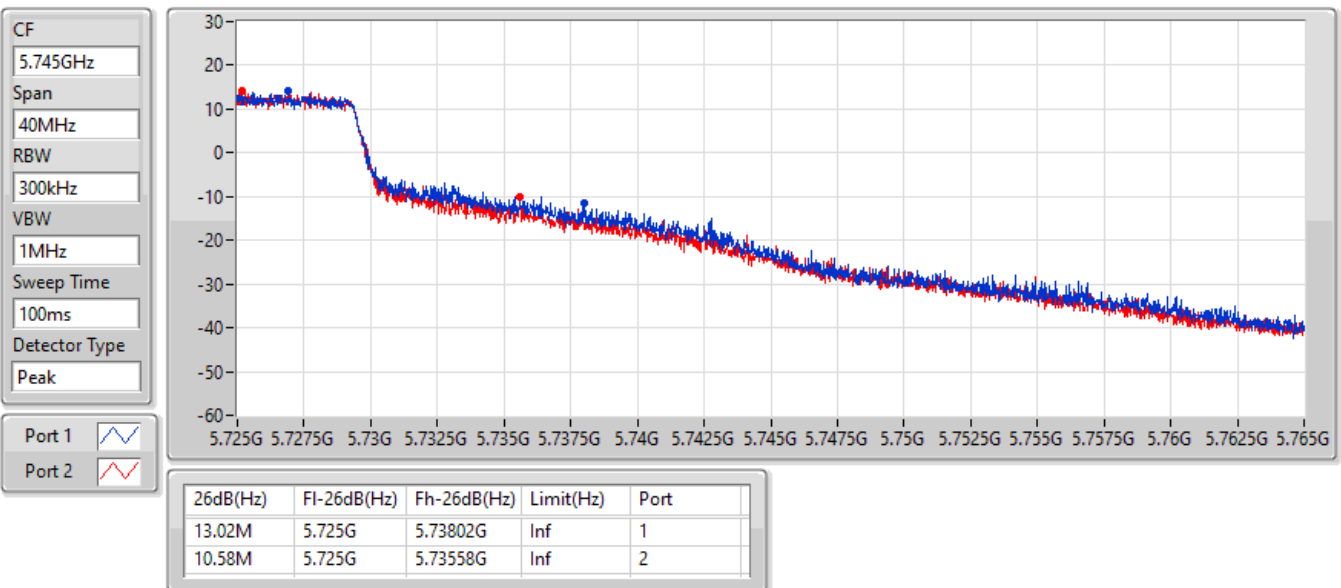


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

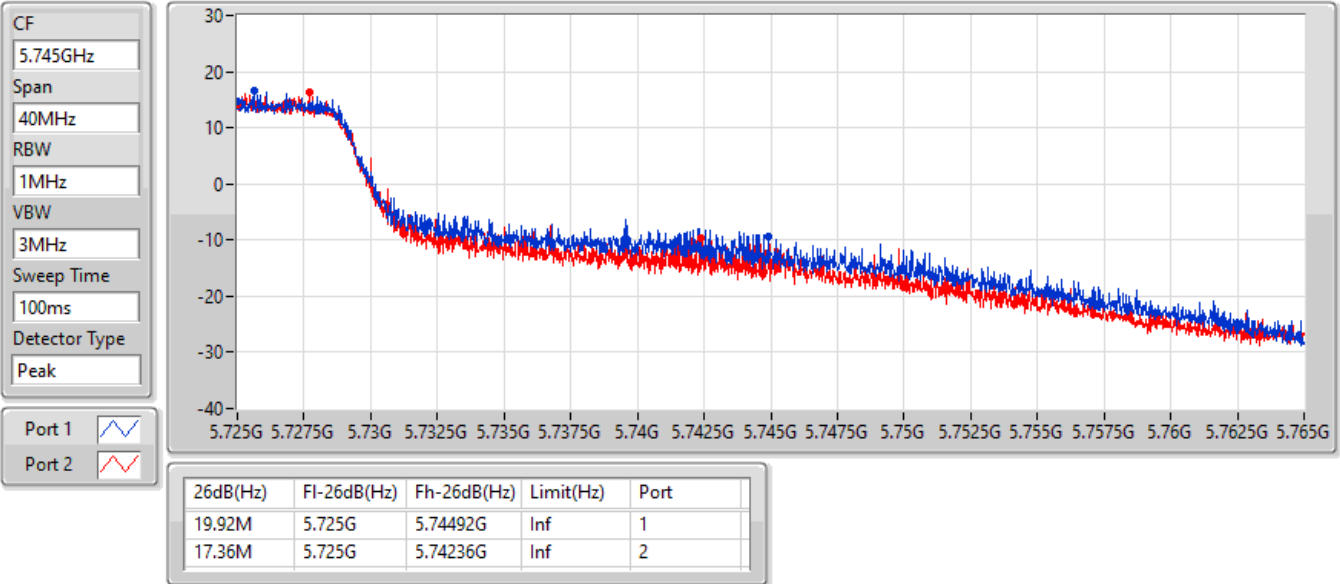


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

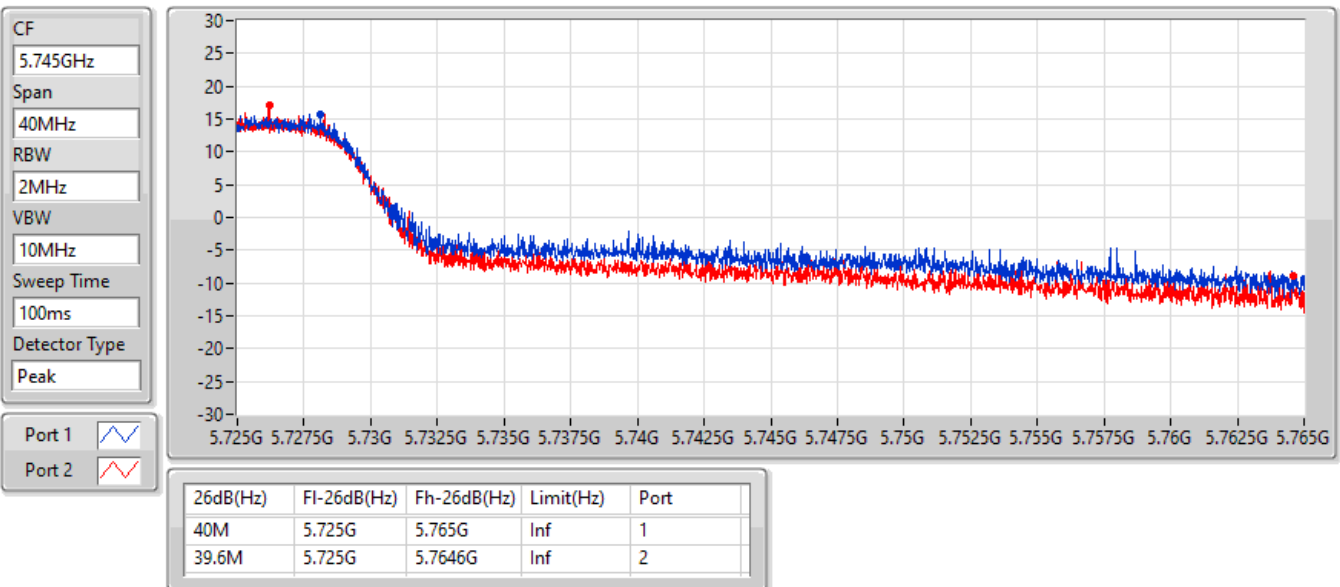


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021





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)_4TX	20.13M	16.492M	16M5D1D	19.35M	16.432M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	18.951M	19M0D1D	21.09M	18.921M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.22M	38.081M	38M1D1D	40.74M	37.961M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.481M	77M5D1D	81.96M	77.361M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.8M	16.492M	16M5D1D	14.685M	13.283M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.75M	18.981M	19M0D1D	15.375M	14.468M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.76M	38.081M	38M1D1D	35.49M	33.863M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.04M	77.481M	77M5D1D	76.05M	73.163M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.1M	3.438M	3M44D1D	3.08M	3.398M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.48M	4.578M	4M58D1D	4.4M	4.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.04M	4.158M	4M16D1D	3.9M	4.118M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.06M	4.318M	4M32D1D	3.96M	4.198M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.77M	16.462M	19.83M	16.432M	19.68M	16.432M	19.62M	16.432M
5300MHz	Pass	Inf	20.07M	16.492M	20.01M	16.462M	19.68M	16.462M	19.53M	16.462M
5320MHz	Pass	Inf	19.77M	16.432M	20.13M	16.462M	19.35M	16.432M	19.56M	16.432M
5500MHz	Pass	Inf	19.59M	16.402M	19.38M	16.432M	19.35M	16.432M	19.62M	16.432M
5580MHz	Pass	Inf	19.8M	16.492M	19.5M	16.432M	19.5M	16.462M	19.47M	16.402M
5700MHz	Pass	Inf	19.53M	16.462M	19.47M	16.462M	19.5M	16.492M	19.23M	16.402M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.745M	13.283M	14.685M	13.283M	14.7M	13.343M	14.745M	13.283M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	3.418M	3.1M	3.398M	3.1M	3.438M	3.1M	3.398M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.69M	18.951M	21.42M	18.921M	21.54M	18.951M	21.09M	18.921M
5300MHz	Pass	Inf	21.63M	18.921M	21.42M	18.951M	21.42M	18.951M	21.33M	18.921M
5320MHz	Pass	Inf	21.33M	18.921M	21.39M	18.951M	21.39M	18.951M	21.24M	18.921M
5500MHz	Pass	Inf	21.75M	18.951M	21.15M	18.891M	21.36M	18.951M	20.91M	18.891M
5580MHz	Pass	Inf	21.36M	18.951M	21.15M	18.891M	21.24M	18.981M	21.03M	18.861M
5700MHz	Pass	Inf	21.3M	18.951M	21M	18.861M	21.54M	18.891M	20.97M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.615M	14.498M	15.375M	14.468M	15.93M	14.483M	15.585M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.578M	4.48M	4.538M	4.4M	4.518M	4.44M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.22M	38.021M	40.86M	38.081M	41.04M	38.021M	40.86M	37.961M
5310MHz	Pass	Inf	41.1M	38.021M	40.74M	37.961M	41.22M	38.021M	41.16M	38.021M
5510MHz	Pass	Inf	41.22M	37.901M	40.98M	37.961M	40.86M	38.021M	40.98M	37.961M
5550MHz	Pass	Inf	41.04M	37.901M	41.34M	37.961M	41.1M	38.021M	41.28M	38.021M
5670MHz	Pass	Inf	41.76M	38.081M	40.98M	37.841M	41.16M	37.841M	40.74M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.63M	33.863M	35.49M	33.968M	35.525M	33.898M	35.56M	33.863M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	4.158M	4M	4.118M	3.9M	4.158M	3.92M	4.138M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.56M	77.481M	82.32M	77.481M	82.44M	77.481M	81.96M	77.361M
5530MHz	Pass	Inf	82.2M	77.481M	81.72M	77.121M	82.68M	77.361M	83.04M	77.481M
5610MHz	Pass	Inf	82.68M	77.481M	82.68M	77.361M	82.32M	77.361M	82.68M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	73.238M	76.275M	73.238M	76.125M	73.313M	76.35M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.298M	4M	4.198M	4.04M	4.318M	3.96M	4.198M

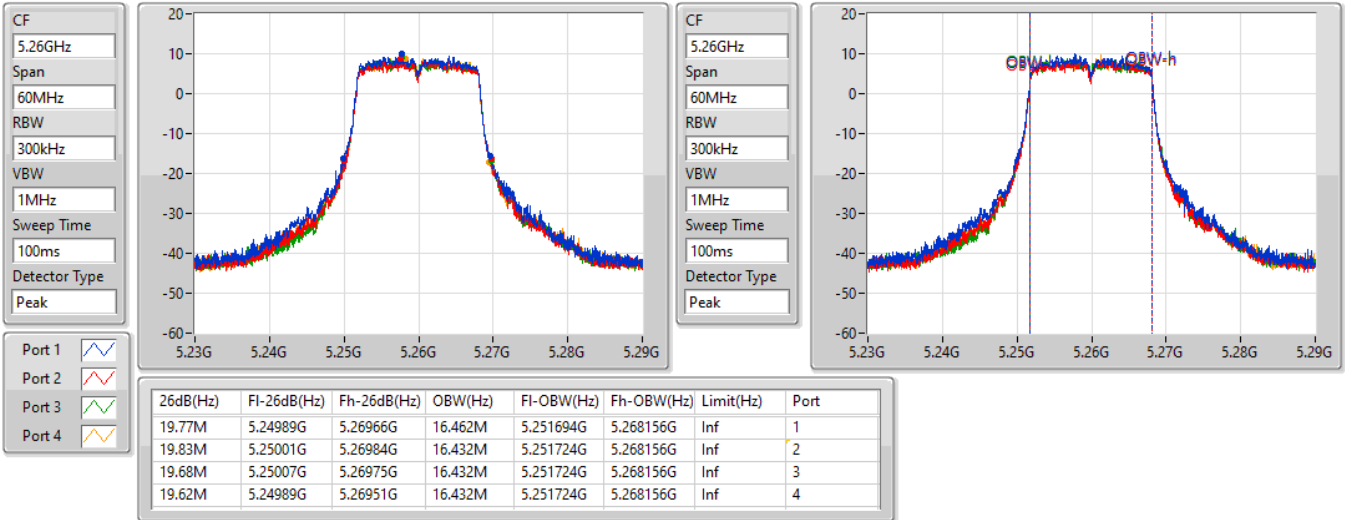
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

30/10/2021

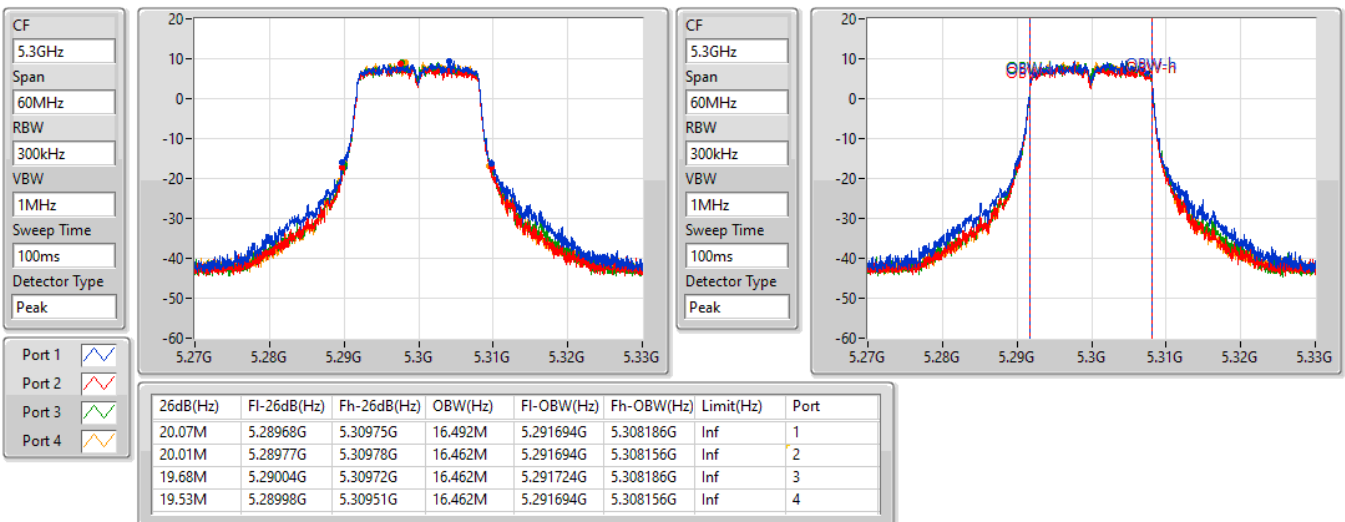


802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

30/10/2021



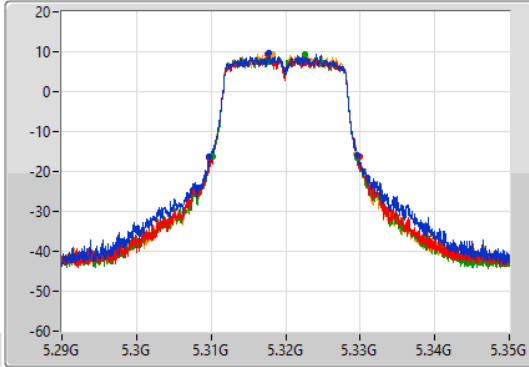
802.11a_Nss1,(6Mbps)_4TX

EBW

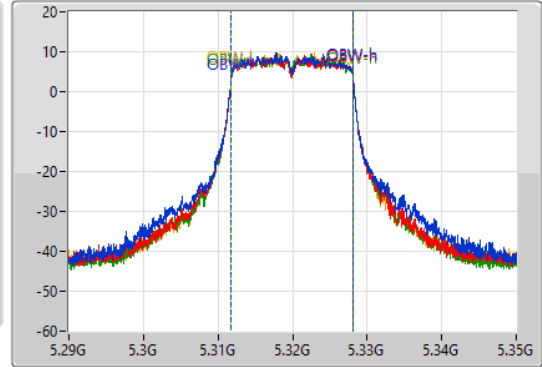
5320MHz

30/10/2021

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: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.77M	5.30977G	5.32954G	16.432M	5.311694G	5.328126G	Inf	1
20.13M	5.3098G	5.32993G	16.462M	5.311694G	5.328156G	Inf	2
19.35M	5.31019G	5.32954G	16.432M	5.311724G	5.328156G	Inf	3
19.56M	5.30992G	5.32948G	16.432M	5.311724G	5.328156G	Inf	4

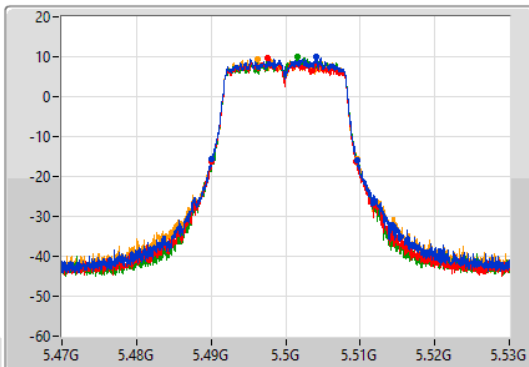
802.11a_Nss1,(6Mbps)_4TX

EBW

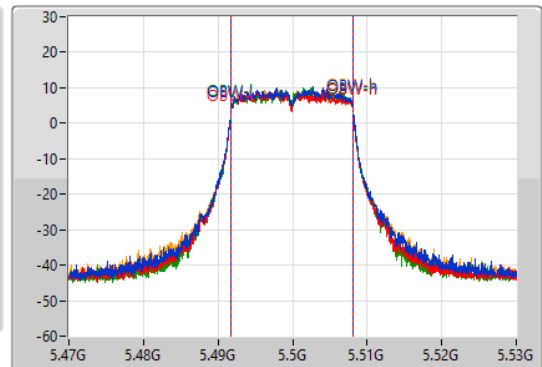
5500MHz

30/10/2021

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

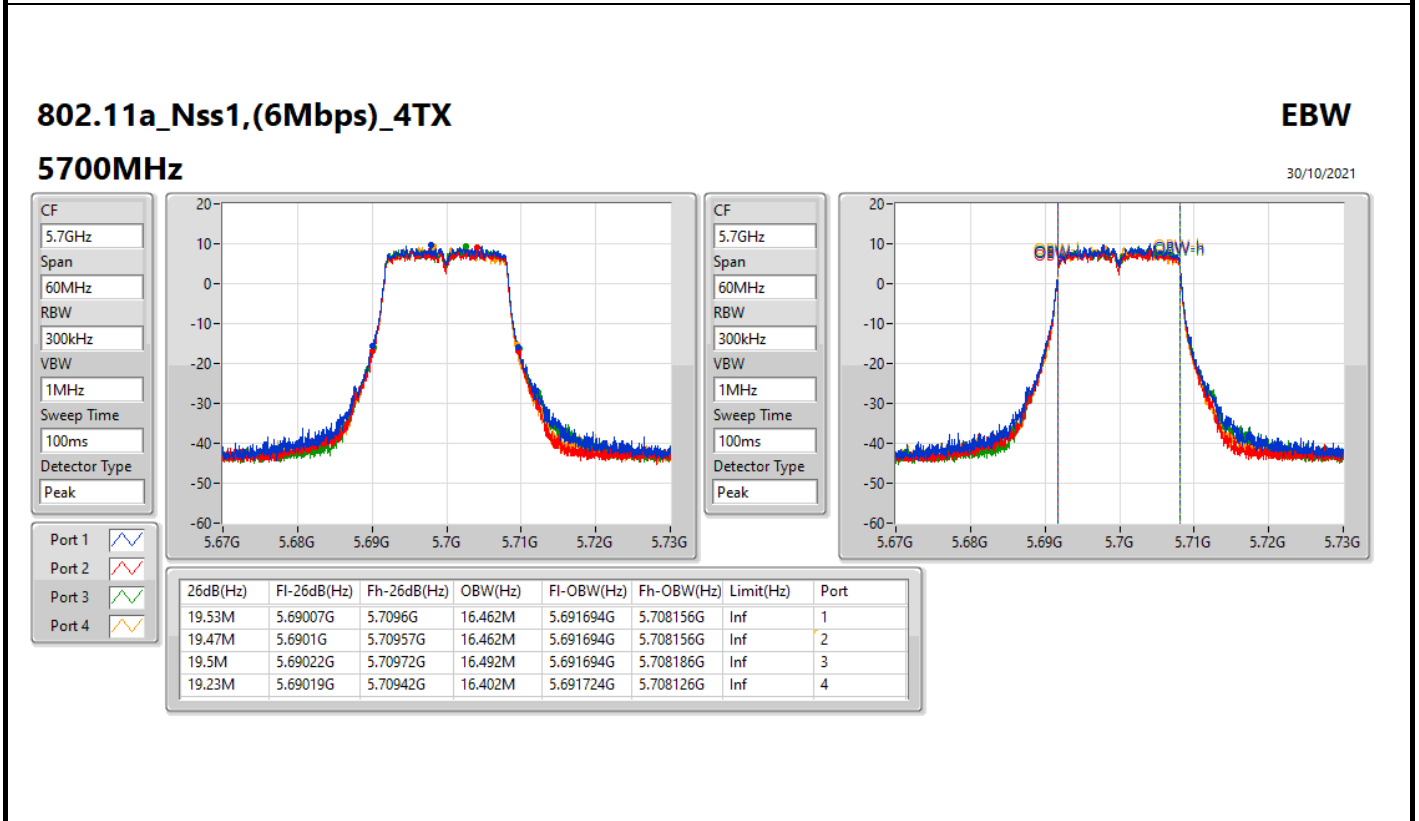
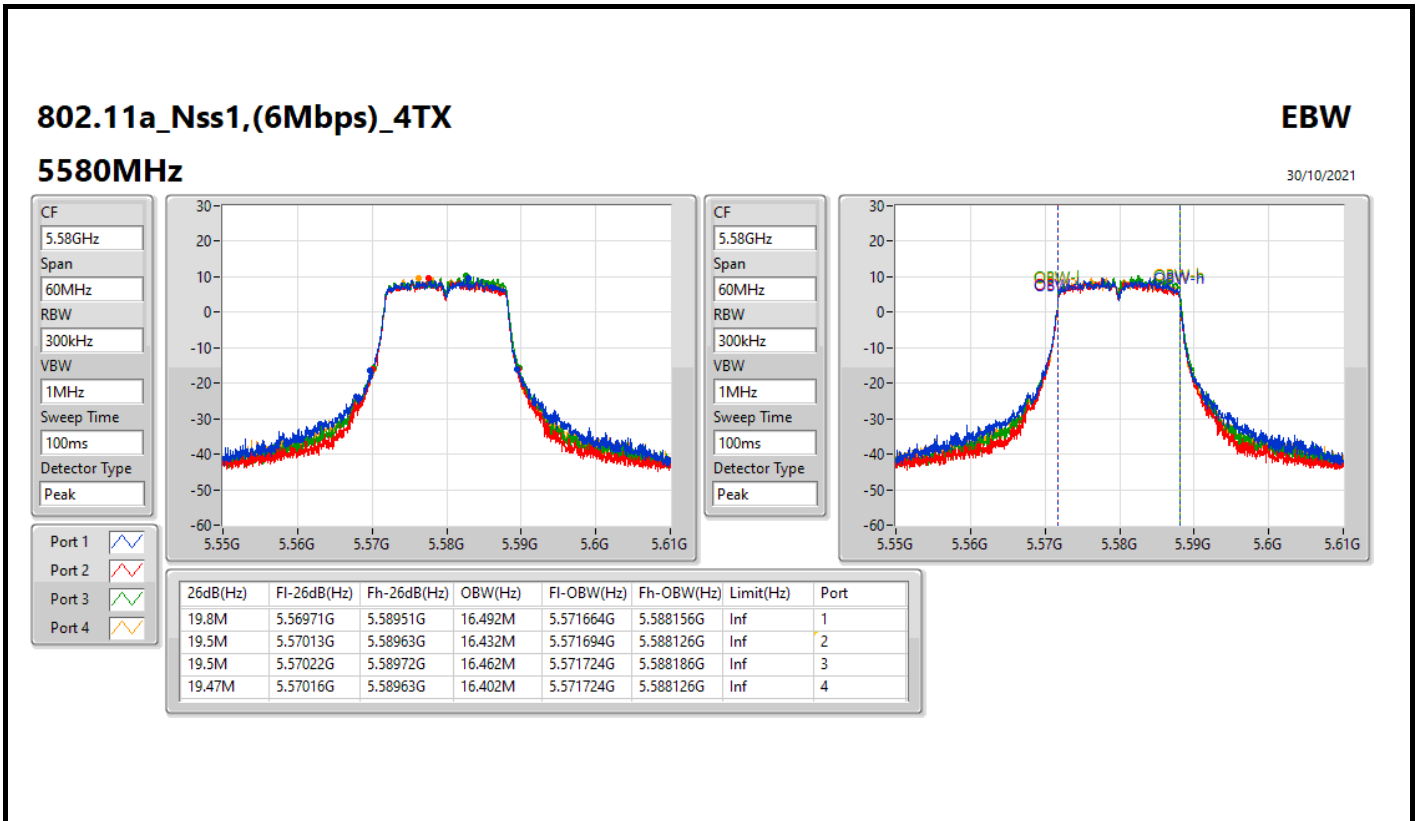


CF: 5.5GHz
 Span: 60MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.59M	5.49004G	5.50963G	16.402M	5.491724G	5.508126G	Inf	1
19.38M	5.49013G	5.50951G	16.432M	5.491694G	5.508126G	Inf	2
19.35M	5.49028G	5.50963G	16.432M	5.491724G	5.508156G	Inf	3
19.62M	5.48998G	5.5096G	16.432M	5.491694G	5.508126G	Inf	4

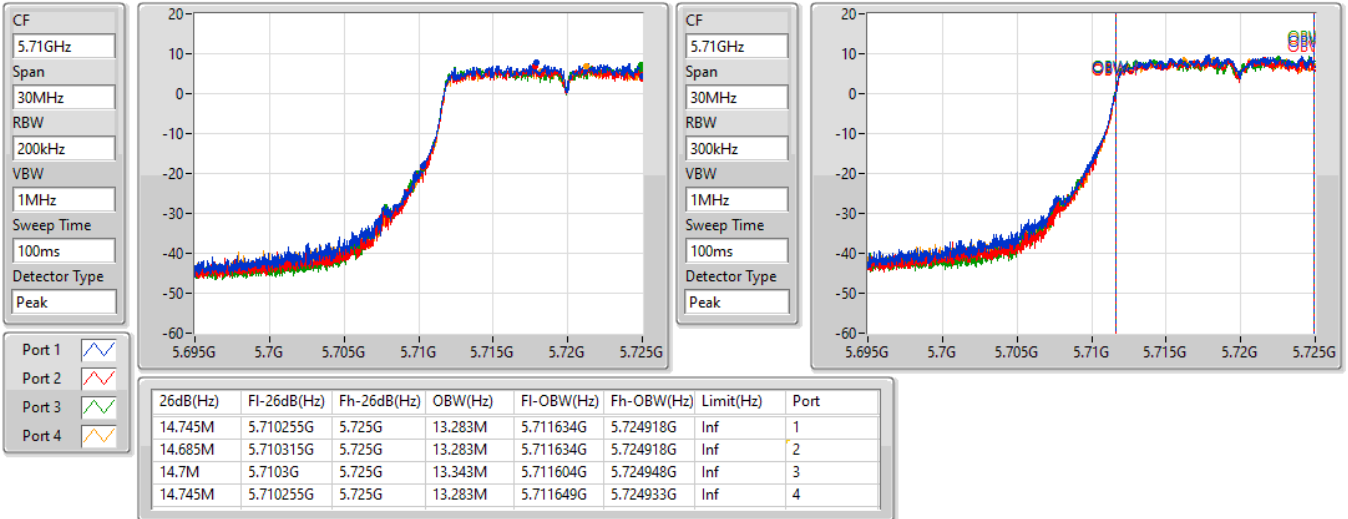


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/10/2021

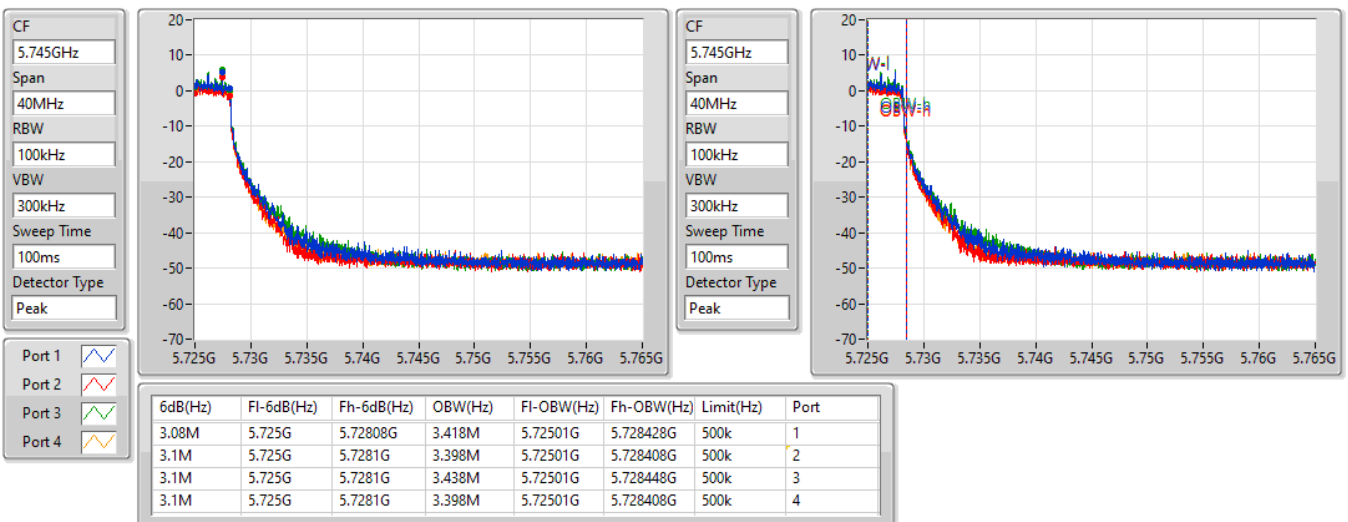


802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/10/2021



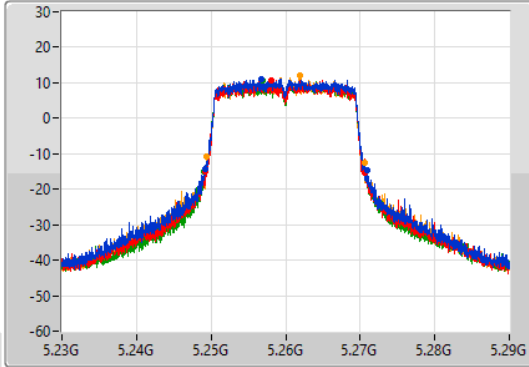
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

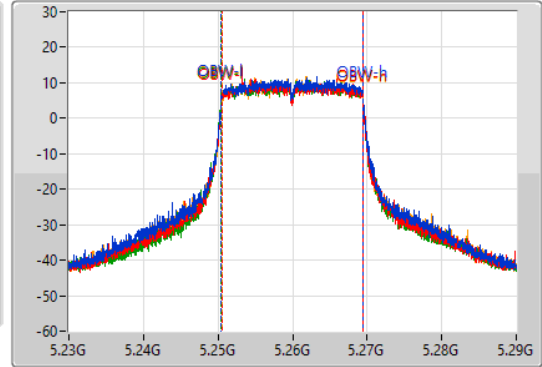
5260MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.24923G	5.27092G	18.951M	5.250465G	5.269415G	Inf	1
21.42M	5.24926G	5.27068G	18.921M	5.250495G	5.269415G	Inf	2
21.54M	5.24911G	5.27065G	18.951M	5.250465G	5.269415G	Inf	3
21.09M	5.24944G	5.27053G	18.921M	5.250495G	5.269415G	Inf	4

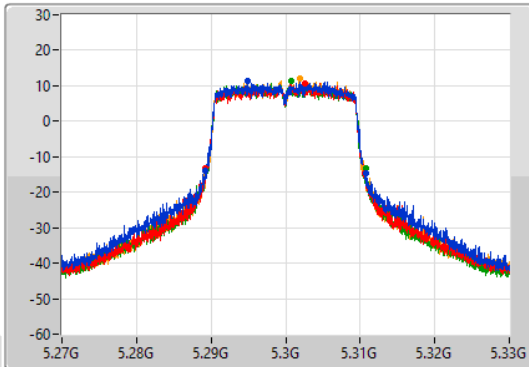
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

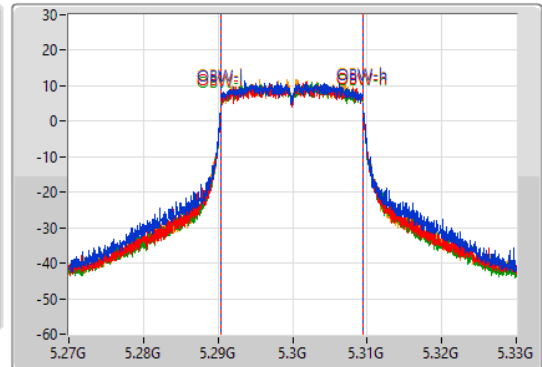
5300MHz

30/10/2021

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

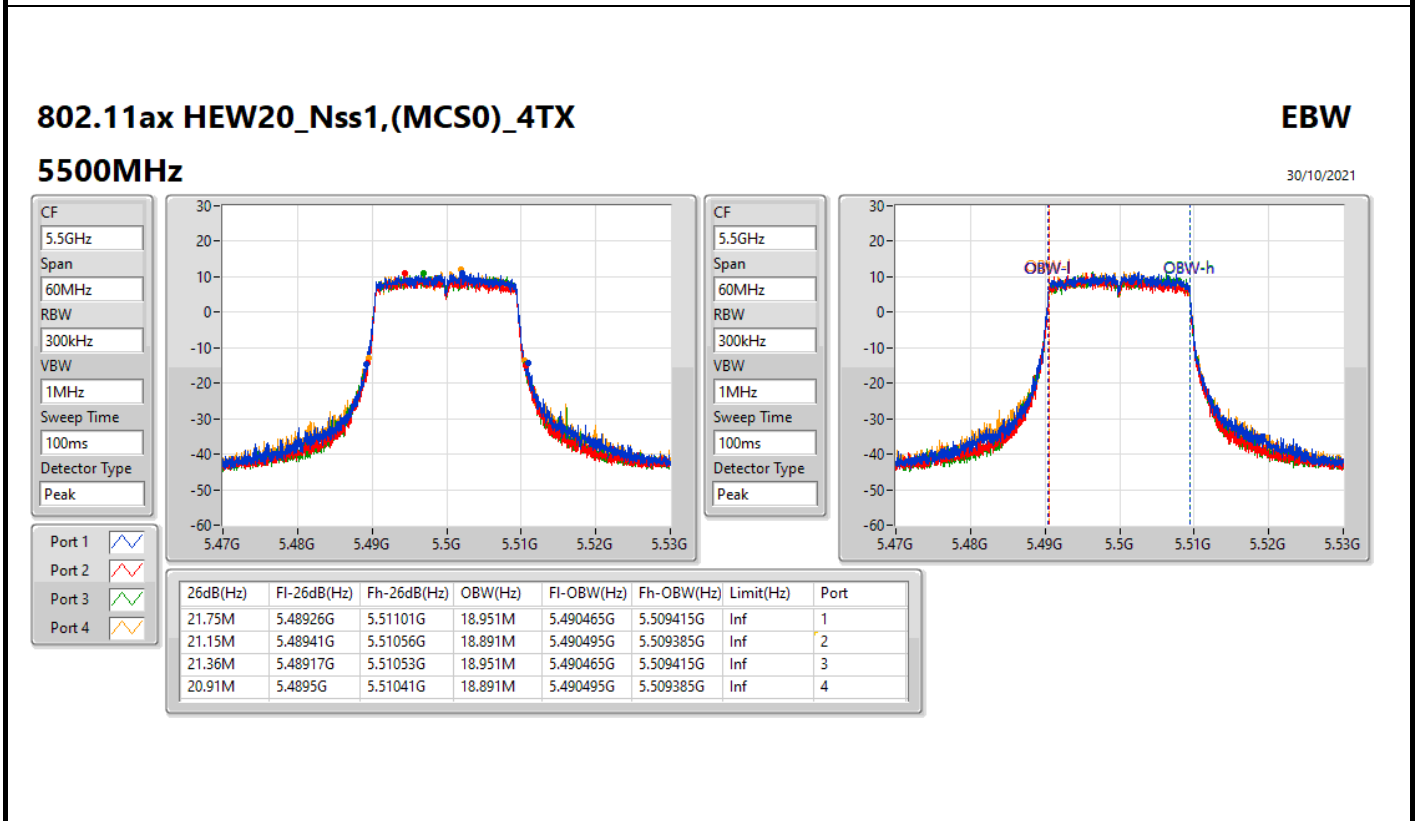
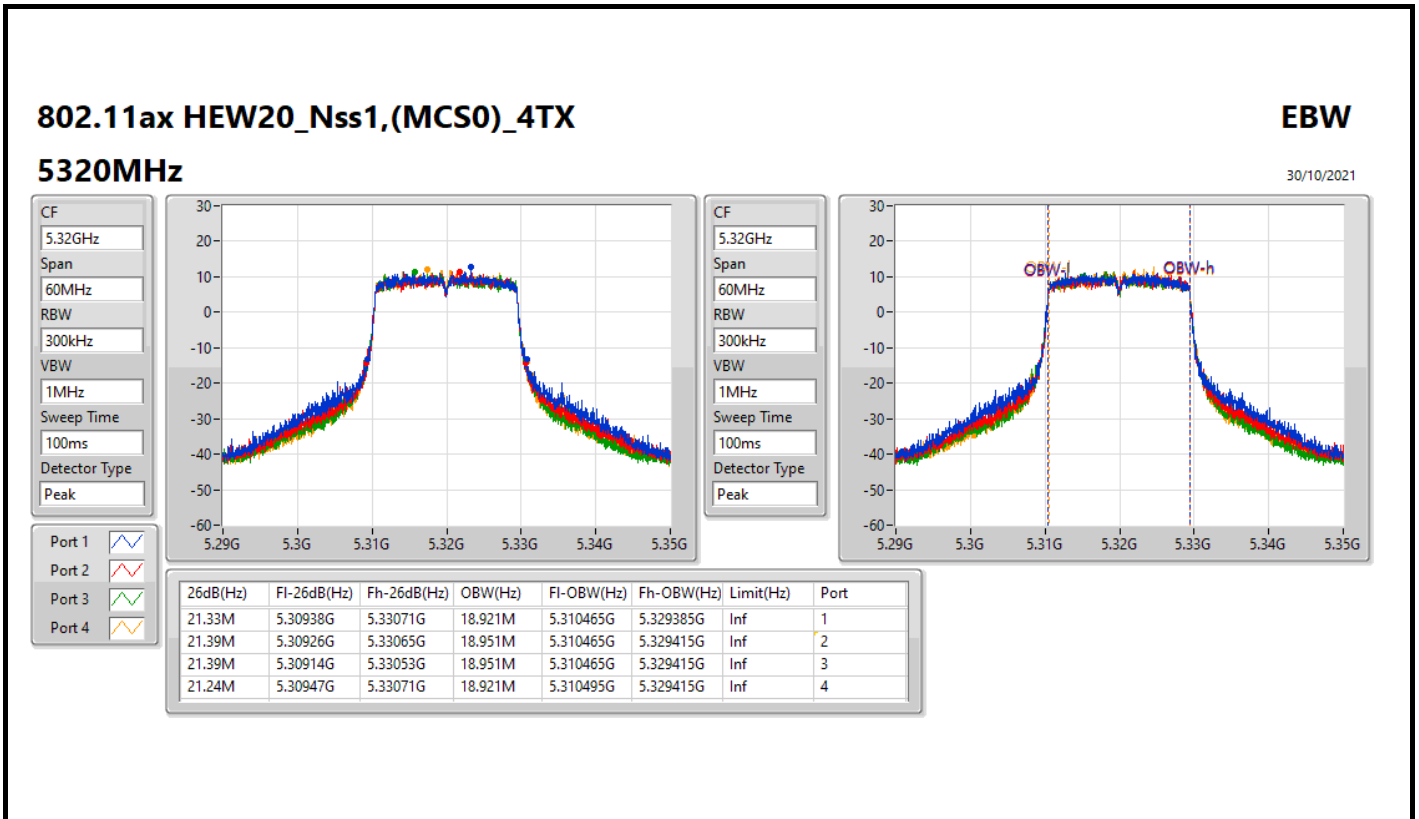


CF
5.3GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.63M	5.2892G	5.31083G	18.921M	5.290465G	5.309385G	Inf	1
21.42M	5.28926G	5.31068G	18.951M	5.290465G	5.309415G	Inf	2
21.42M	5.28935G	5.31077G	18.951M	5.290465G	5.309415G	Inf	3
21.33M	5.28914G	5.31047G	18.921M	5.290465G	5.309385G	Inf	4



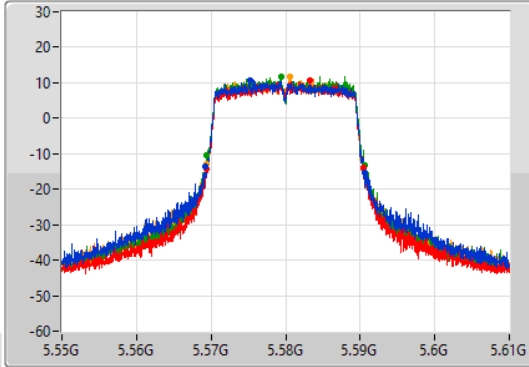
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

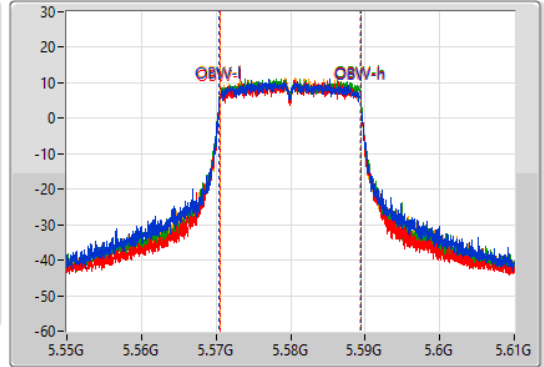
5580MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.36M	5.56923G	5.59059G	18.951M	5.570465G	5.589415G	Inf	1
21.15M	5.56935G	5.5905G	18.891M	5.570495G	5.589385G	Inf	2
21.24M	5.56935G	5.59059G	18.981M	5.570435G	5.589415G	Inf	3
21.03M	5.56941G	5.59044G	18.861M	5.570495G	5.589355G	Inf	4

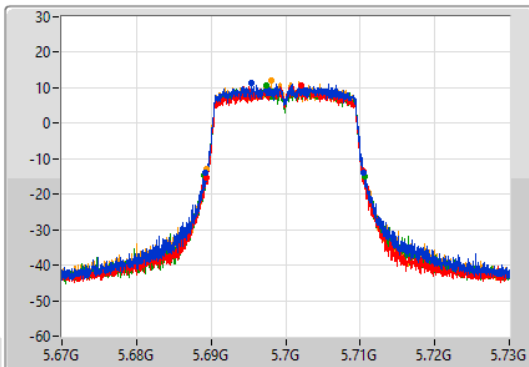
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

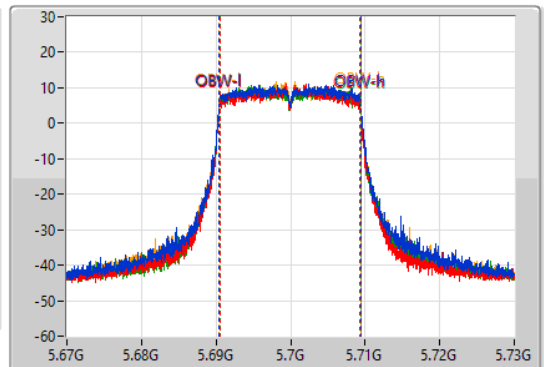
5700MHz

30/10/2021

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

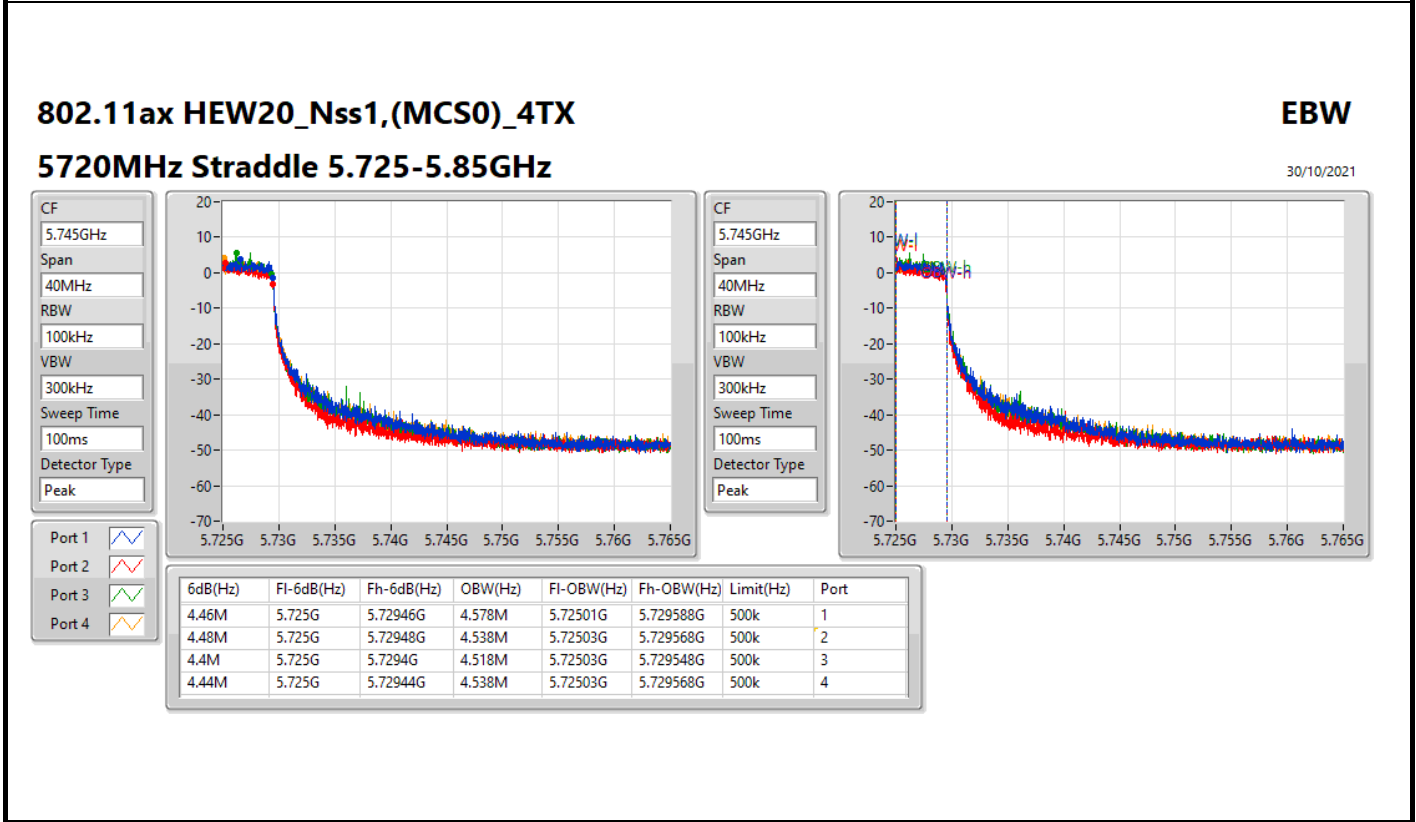
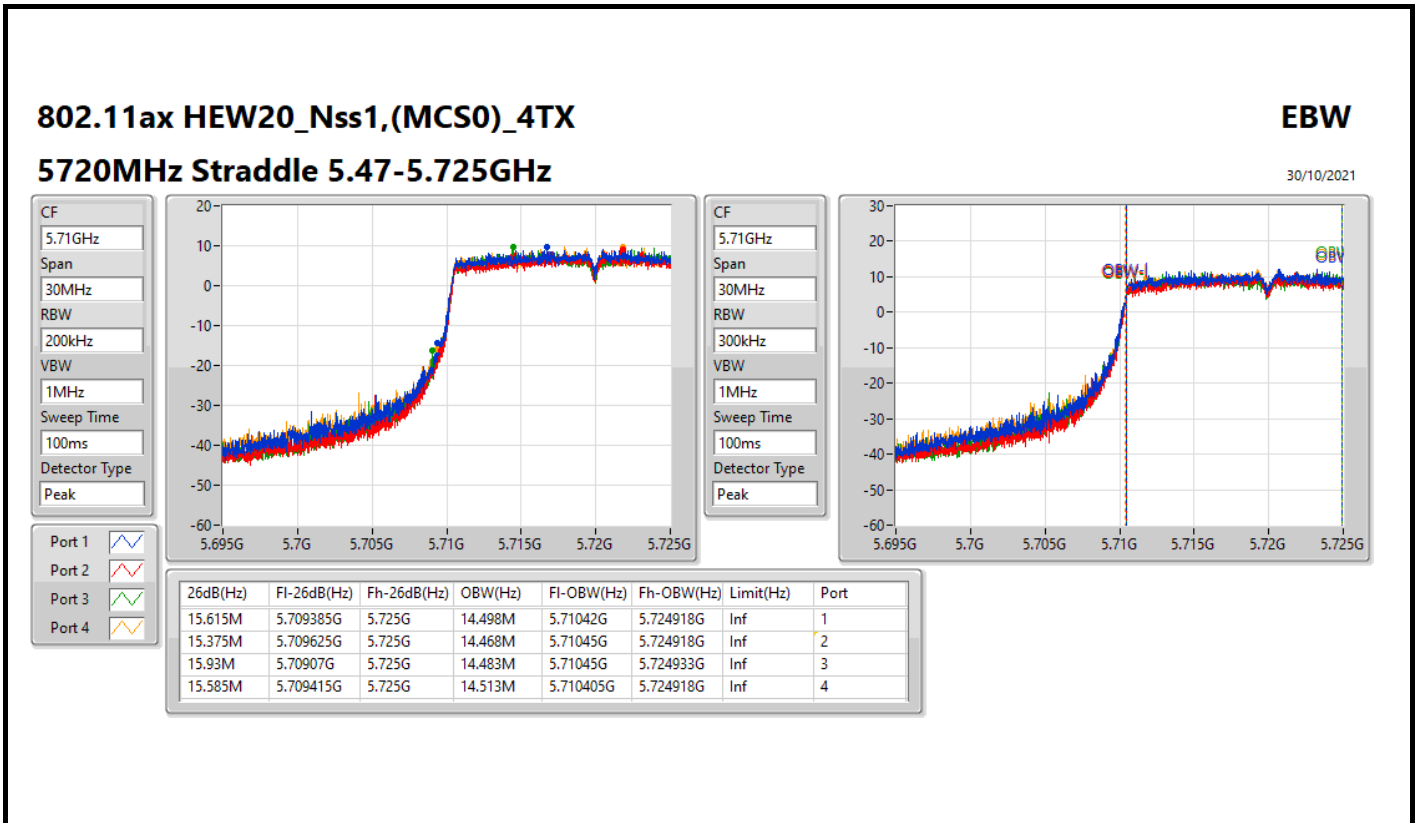


CF
5.7GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.68917G	5.71047G	18.951M	5.690465G	5.709415G	Inf	1
21M	5.68941G	5.71041G	18.861M	5.690495G	5.709355G	Inf	2
21.54M	5.68911G	5.71065G	18.891M	5.690495G	5.709385G	Inf	3
20.97M	5.68944G	5.71041G	18.921M	5.690465G	5.709385G	Inf	4



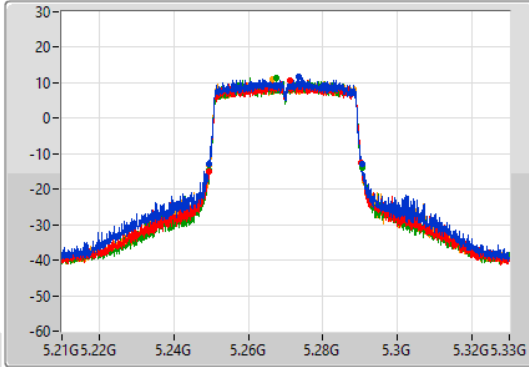
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

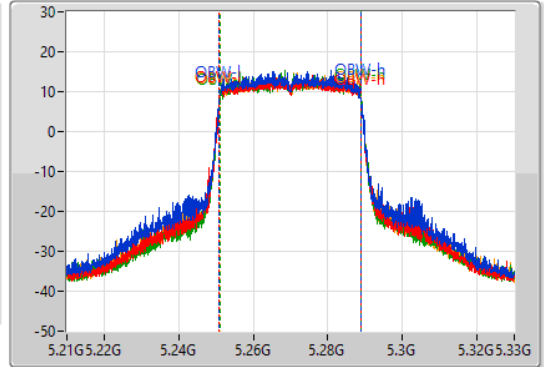
5270MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.22M	5.2493G	5.29052G	38.021M	5.25087G	5.288891G	Inf	1
40.86M	5.24948G	5.29034G	38.081M	5.25093G	5.28901G	Inf	2
41.04M	5.24948G	5.29052G	38.021M	5.25099G	5.28901G	Inf	3
40.86M	5.2496G	5.29046G	37.961M	5.25099G	5.288951G	Inf	4

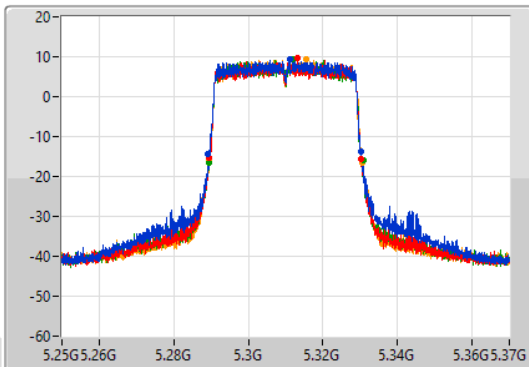
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

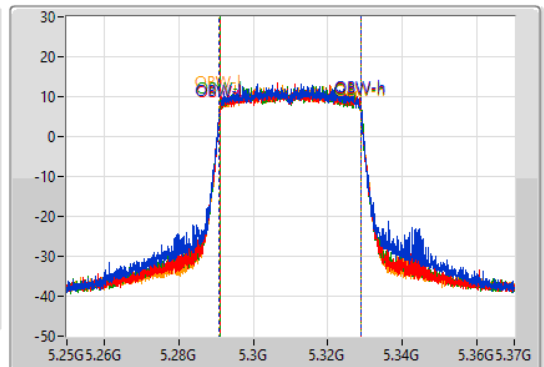
5310MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.28924G	5.33034G	38.021M	5.29093G	5.328951G	Inf	1
40.74M	5.2896G	5.33034G	37.961M	5.29099G	5.328951G	Inf	2
41.22M	5.28954G	5.33076G	38.021M	5.29099G	5.32901G	Inf	3
41.16M	5.28954G	5.3307G	38.021M	5.29093G	5.328951G	Inf	4

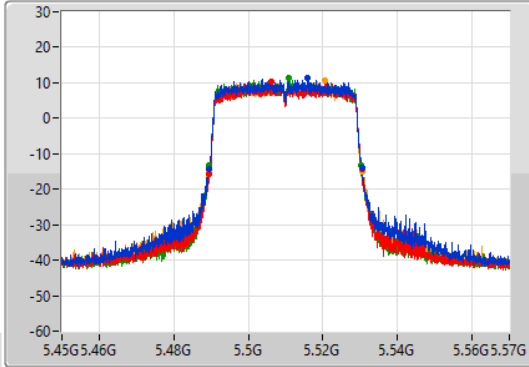
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

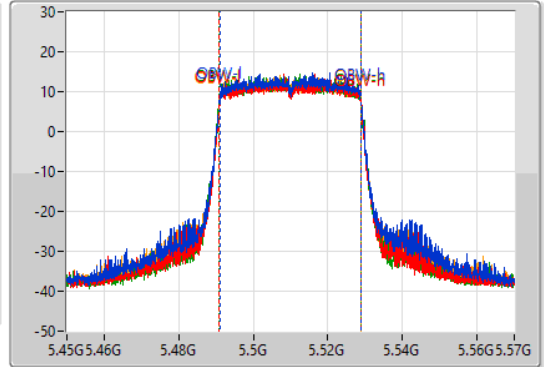
5510MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.22M	5.48942G	5.53064G	37.901M	5.49099G	5.528891G	Inf	1
40.98M	5.48948G	5.53046G	37.961M	5.49093G	5.528891G	Inf	2
40.86M	5.48942G	5.53028G	38.021M	5.49087G	5.528891G	Inf	3
40.98M	5.48954G	5.53052G	37.961M	5.49093G	5.528891G	Inf	4

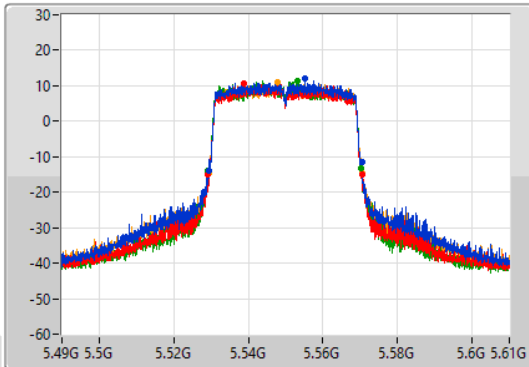
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

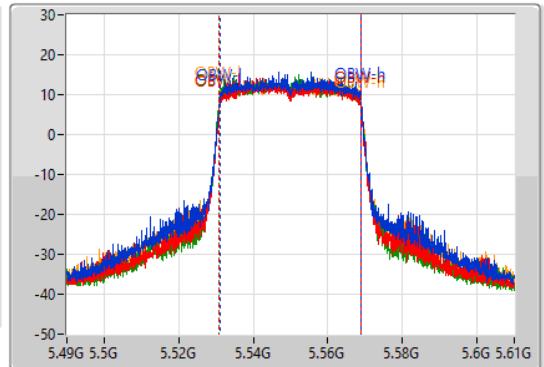
5550MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.52936G	5.5704G	37.901M	5.53099G	5.568891G	Inf	1
41.34M	5.52912G	5.57046G	37.961M	5.53093G	5.568891G	Inf	2
41.1M	5.52918G	5.57028G	38.021M	5.53087G	5.568891G	Inf	3
41.28M	5.5293G	5.57058G	38.021M	5.53093G	5.568951G	Inf	4

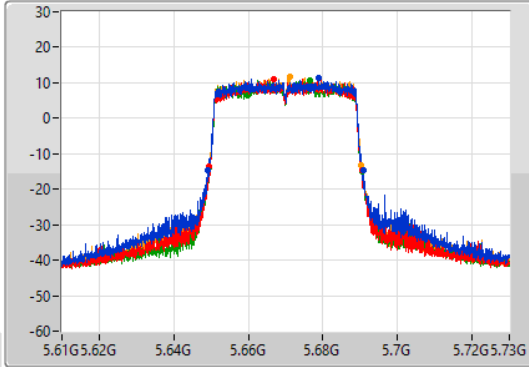
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

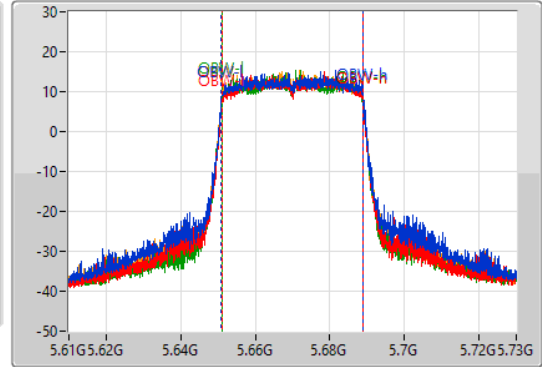
5670MHz

30/10/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.76M	5.64906G	5.69082G	38.081M	5.65093G	5.68901G	Inf	1
40.98M	5.64954G	5.69052G	37.841M	5.651049G	5.688891G	Inf	2
41.16M	5.64936G	5.69052G	37.841M	5.65099G	5.688831G	Inf	3
40.74M	5.64948G	5.69022G	37.961M	5.65099G	5.688951G	Inf	4

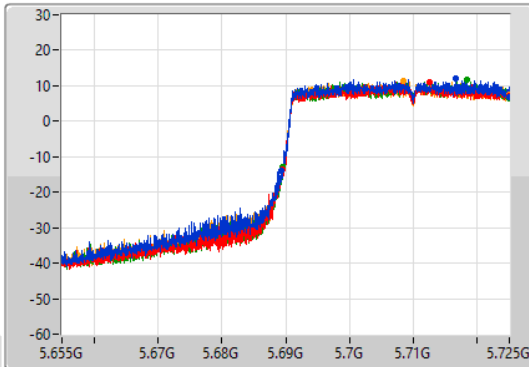
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

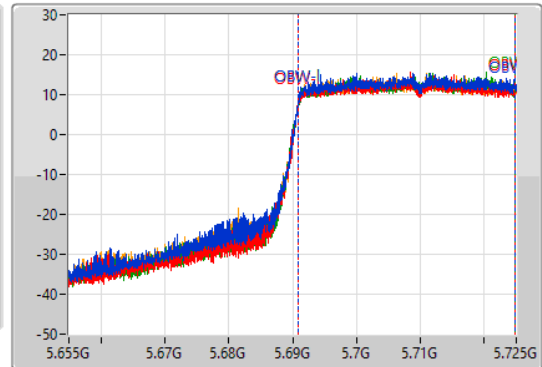
5710MHz Straddle 5.47-5.725GHz

30/10/2021

CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

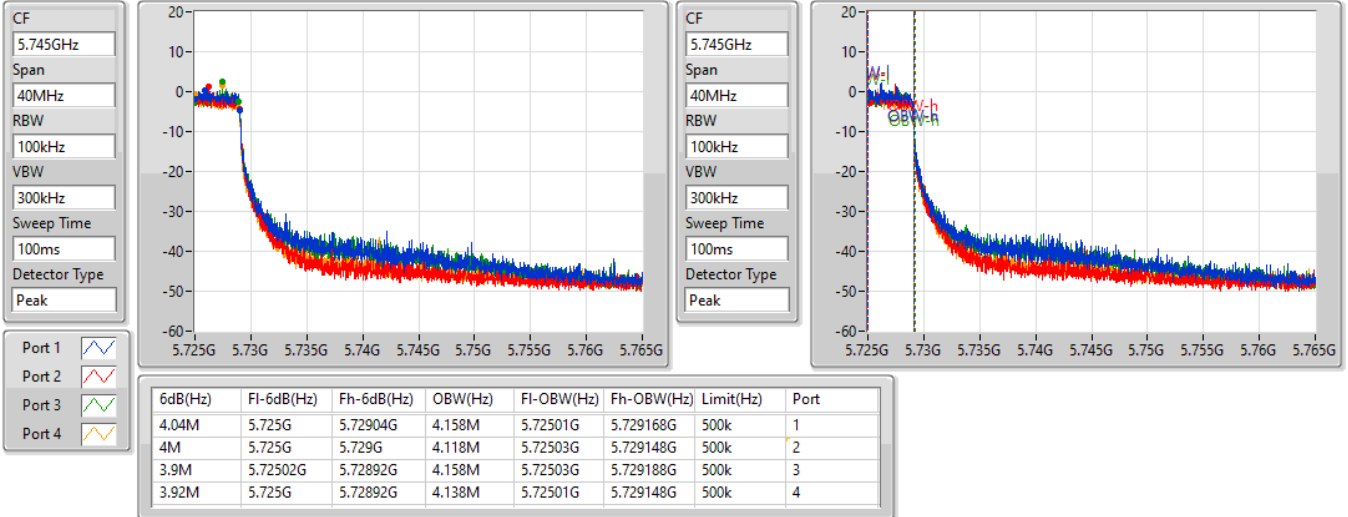
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.63M	5.68937G	5.725G	33.863M	5.69091G	5.724773G	Inf	1
35.49M	5.68951G	5.725G	33.968M	5.69084G	5.724808G	Inf	2
35.525M	5.689475G	5.725G	33.898M	5.69091G	5.724808G	Inf	3
35.56M	5.68944G	5.725G	33.863M	5.69091G	5.724773G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/10/2021

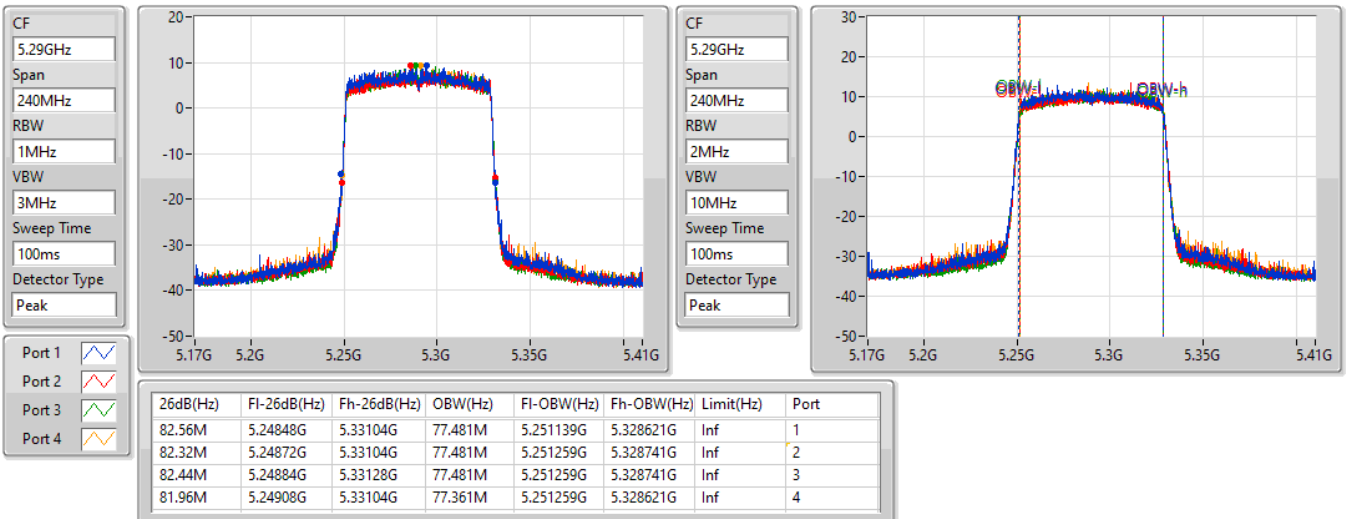


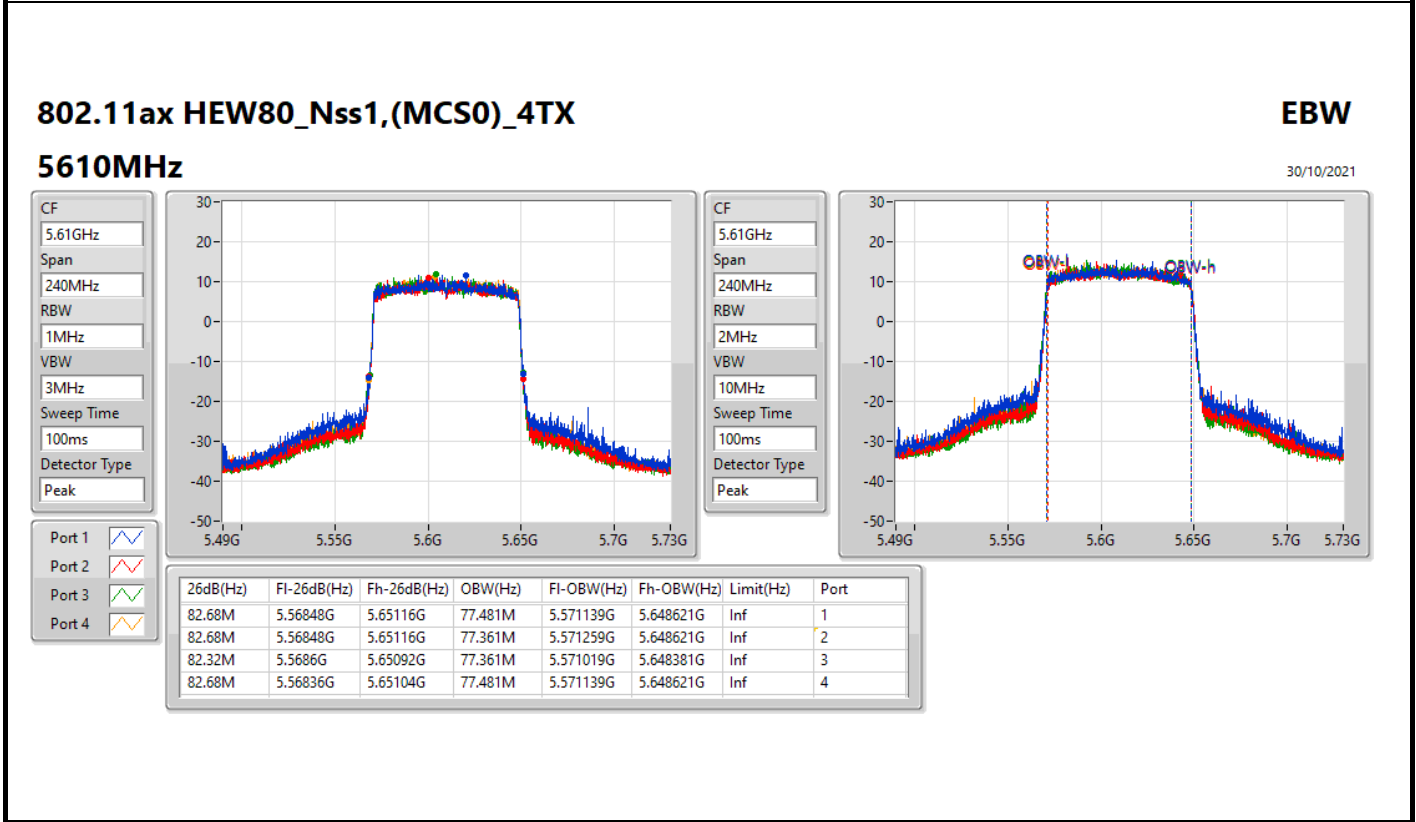
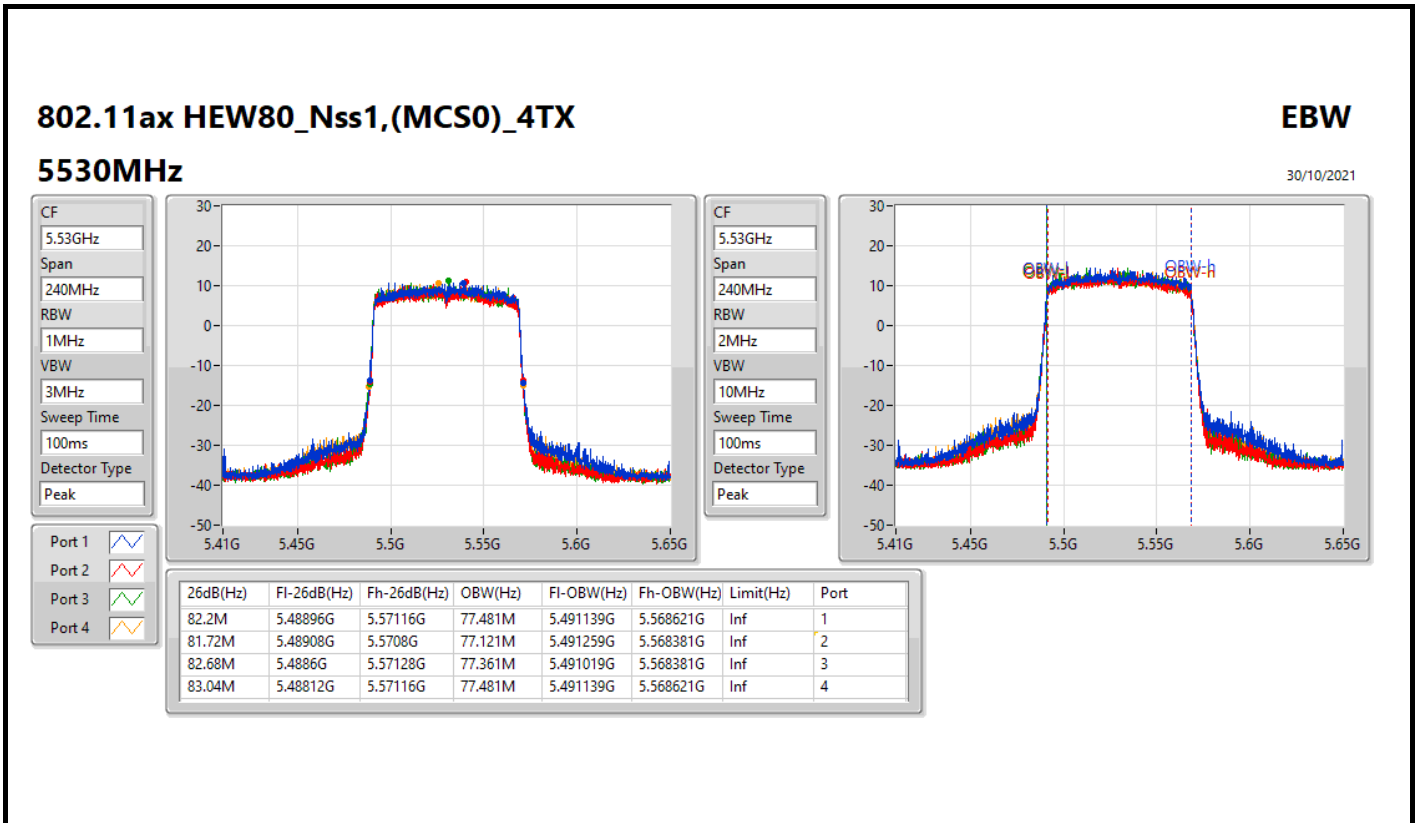
802.11ax HEW80_Nss1,(MCS0)_4TX

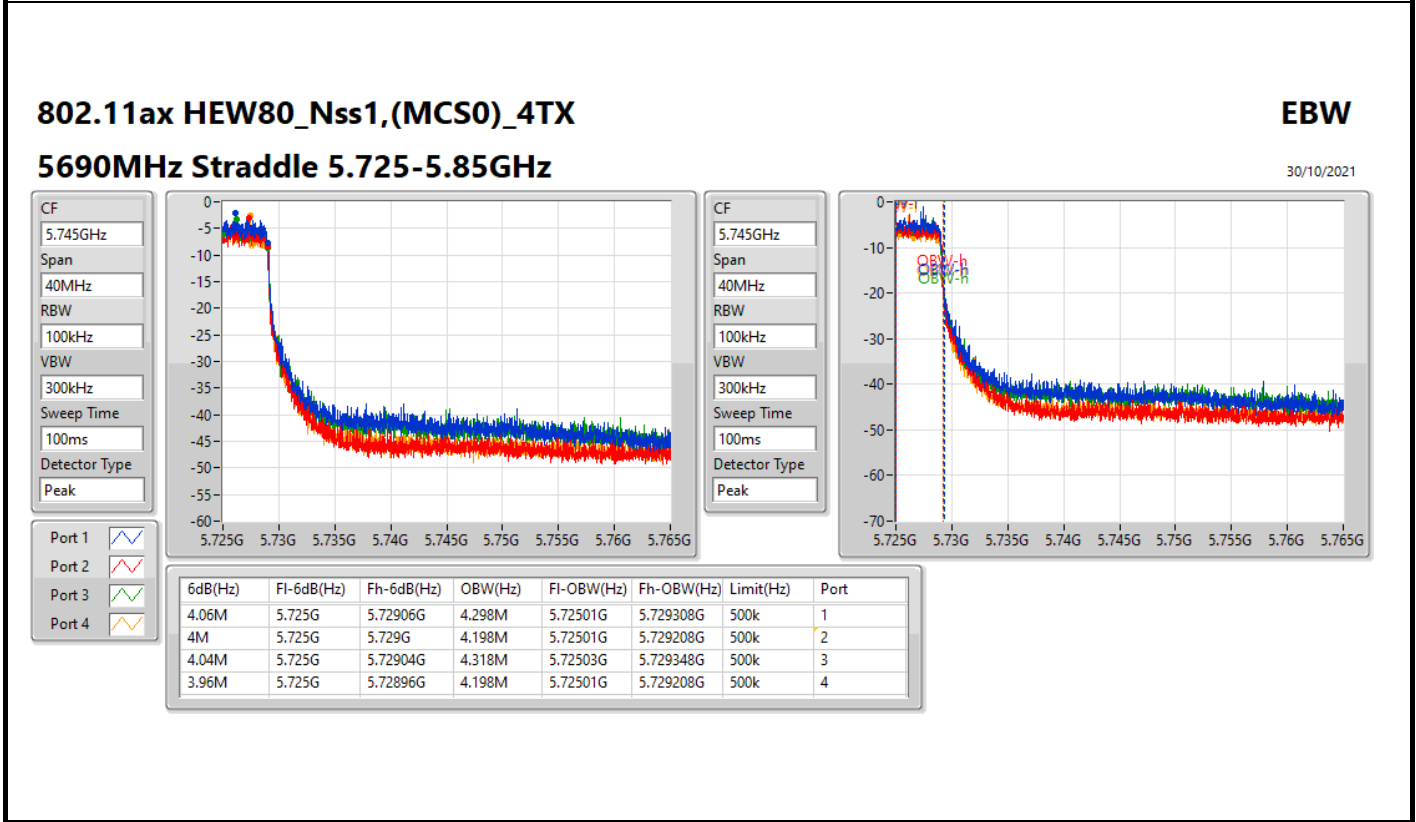
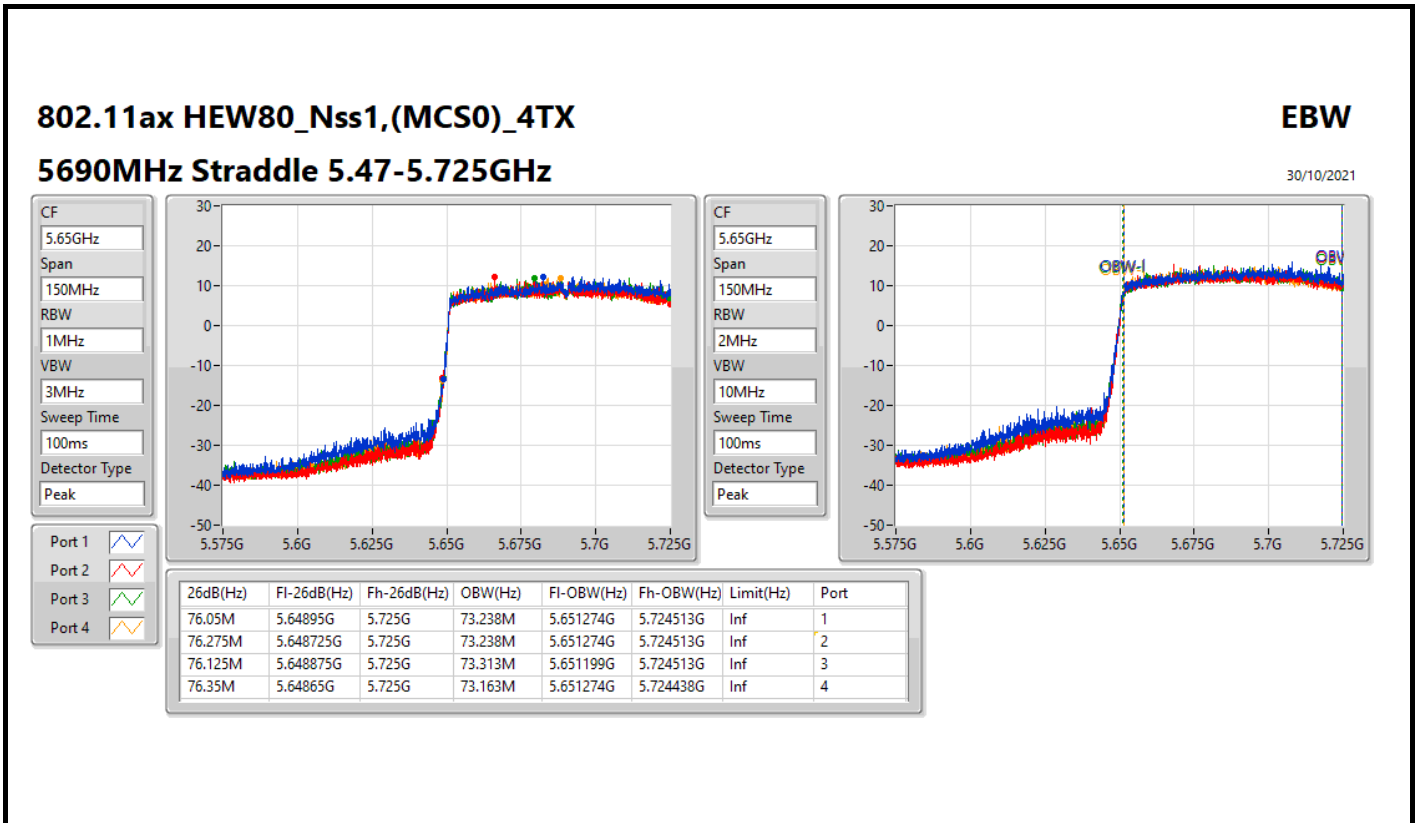
EBW

5290MHz

30/10/2021









Summary

Mode	Max-N dB (Hz)	ITU-Code	Min-N dB (Hz)
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_4TX	4.82M	4M82D1D	4.62M
802.11ax HEW20_Nss1,(MCS0)_4TX	5.68M	5M68D1D	5.5M
802.11ax HEW40_Nss1,(MCS0)_4TX	6.56M	6M56D1D	6.12M
802.11ax HEW80_Nss1,(MCS0)_4TX	8.14M	8M14D1D	7.66M

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 2-N dB (Hz)	Port 3-N dB (Hz)	Port 4-N dB (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	4.82M	4.7M	4.82M	4.62M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	5.66M	5.5M	5.68M	5.54M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	6.56M	6.5M	6.44M	6.12M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	8.14M	7.76M	7.78M	7.66M

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)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

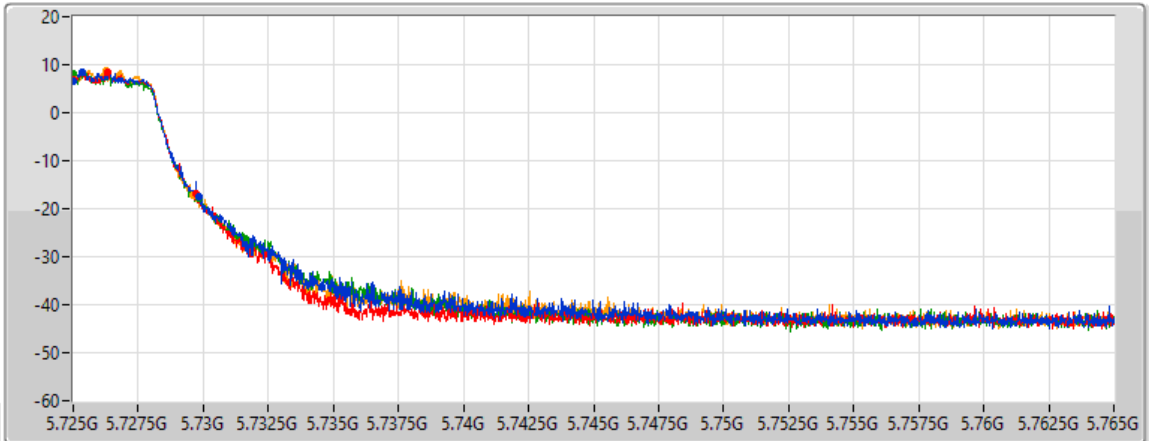
Span
40MHz


RBW
300kHz


VBW
1MHz


Sweep Time
100ms


Detector Type
Peak



Port 1 

Port 2 

Port 3 

Port 4 

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.82M	5.725G	5.72982G	Inf	1
4.7M	5.725G	5.7297G	Inf	2
4.82M	5.725G	5.72982G	Inf	3
4.62M	5.725G	5.72962G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

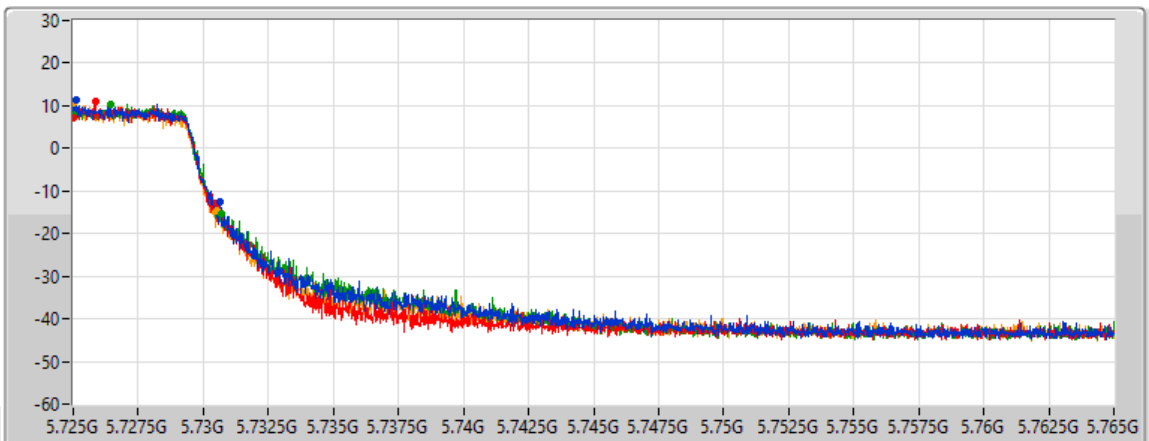
Span
40MHz


RBW
300kHz


VBW
1MHz


Sweep Time
100ms


Detector Type
Peak



Port 1 

Port 2 

Port 3 

Port 4 

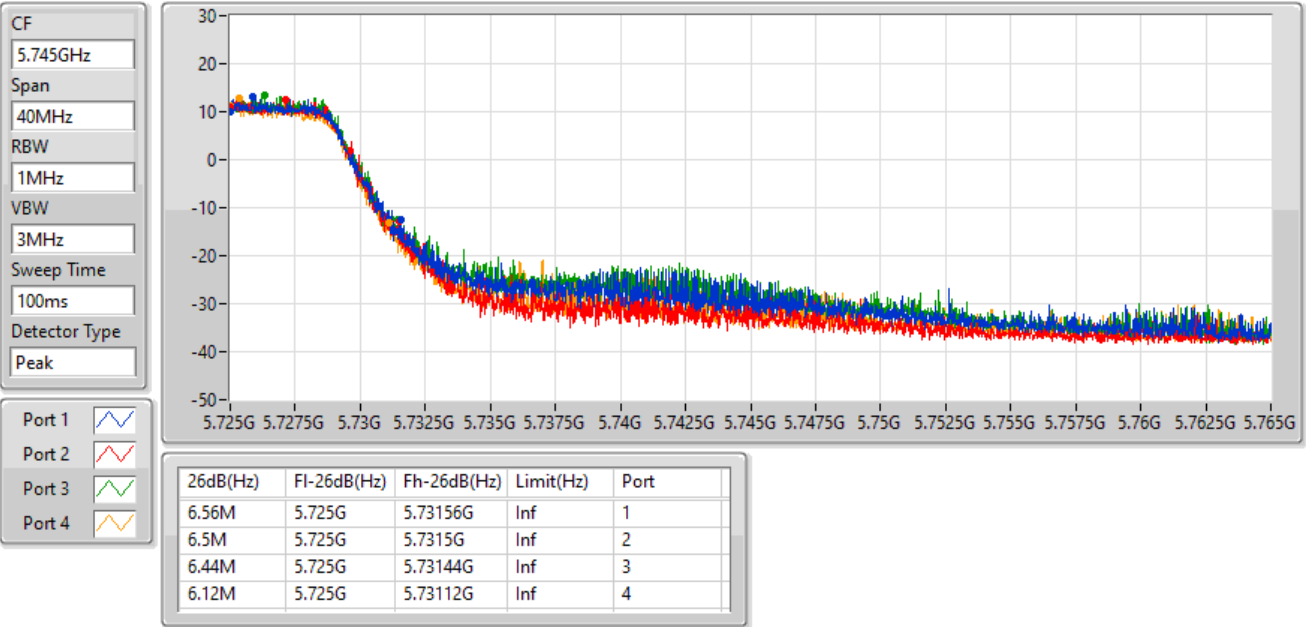
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.66M	5.725G	5.73066G	Inf	1
5.5M	5.725G	5.7305G	Inf	2
5.68M	5.725G	5.73068G	Inf	3
5.54M	5.725G	5.73054G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

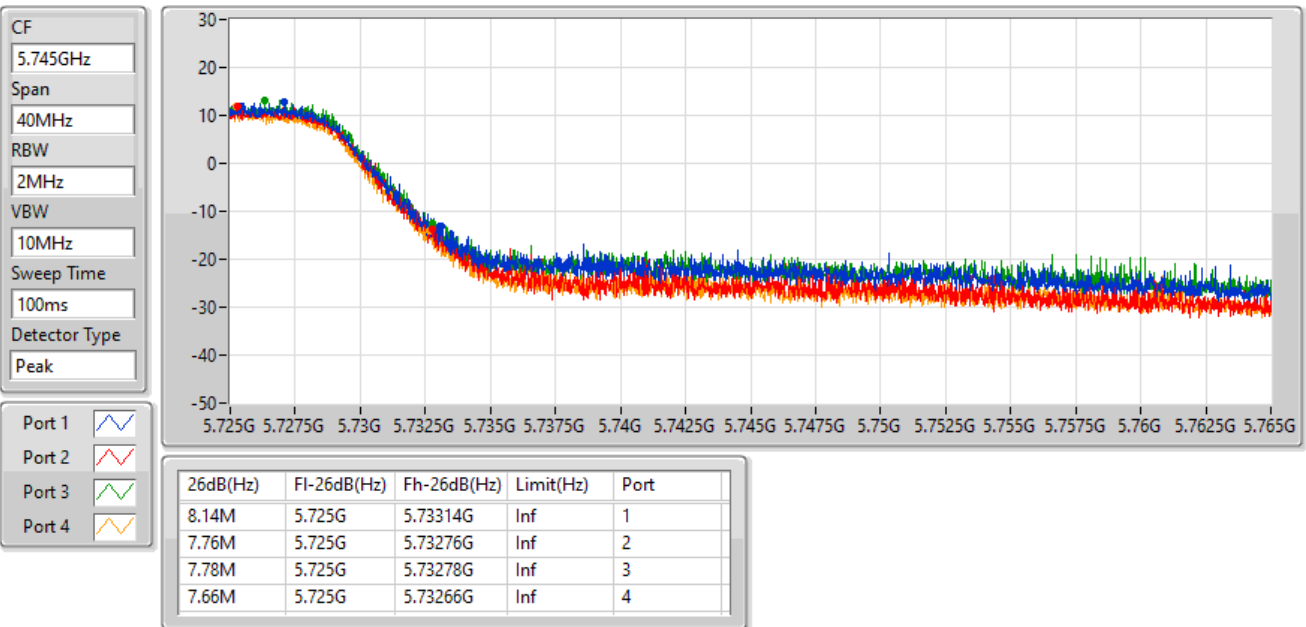


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021



Summary

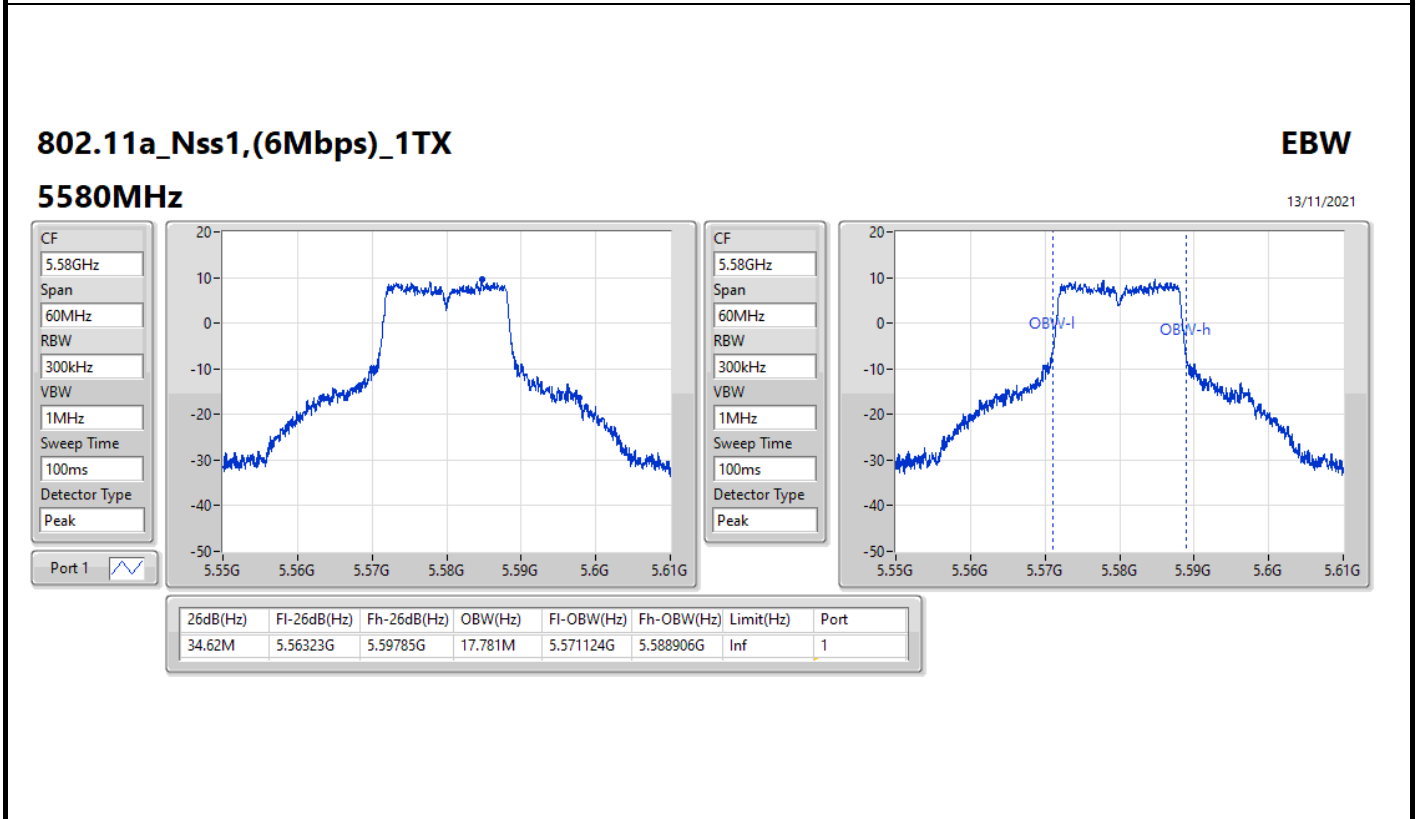
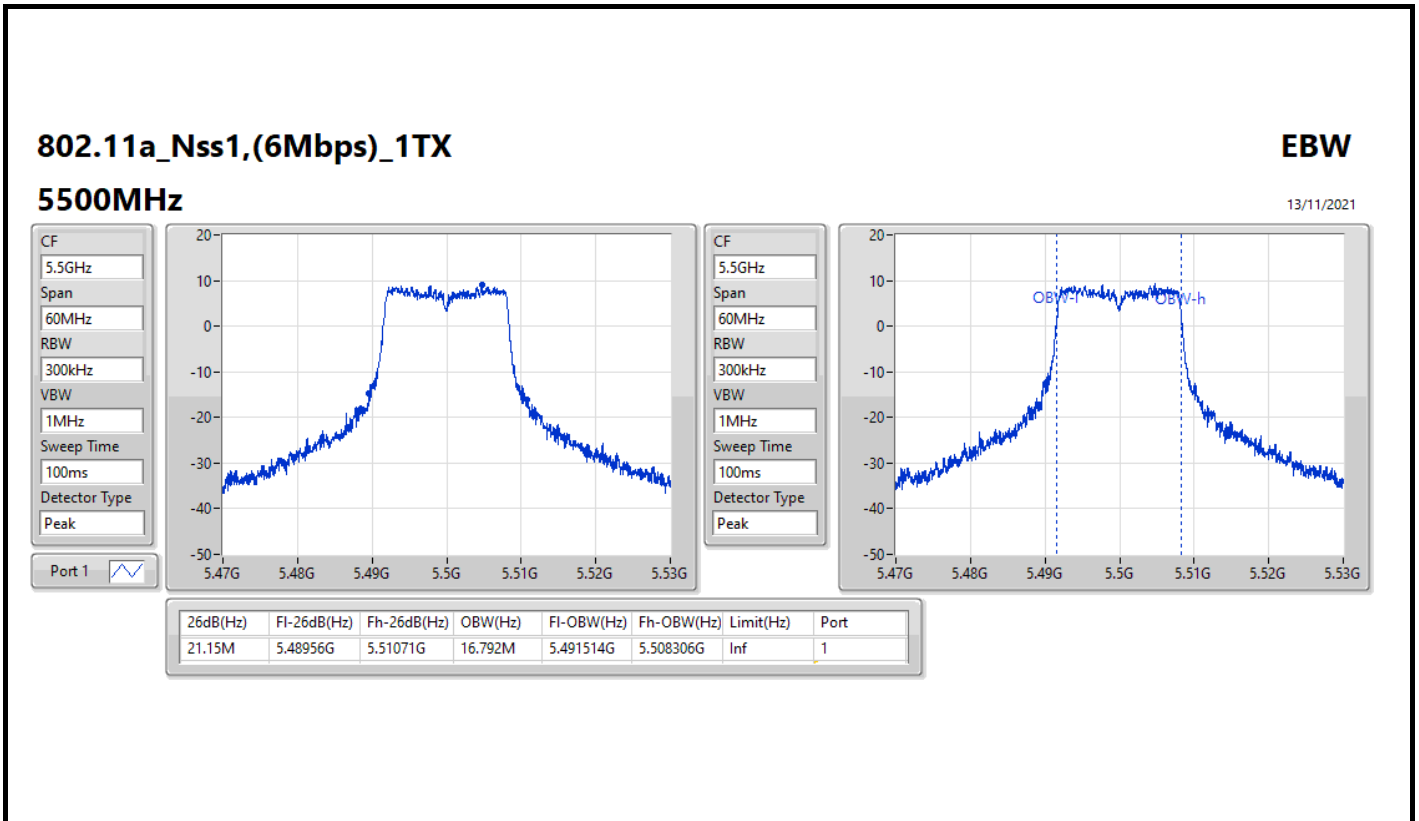
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	34.62M	17.781M	17M8D1D	21M	14.108M
802.11ax HEW20_Nss1,(MCS0)_1TX	35.61M	19.55M	19M5D1D	19.89M	14.828M
802.11ax HEW40_Nss1,(MCS0)_1TX	75.54M	38.861M	38M9D1D	40.38M	34.388M
802.11ax HEW80_Nss1,(MCS0)_1TX	134.04M	79.28M	79M3D1D	82.32M	74.063M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.1M	9.155M	9M16D1D	3.1M	9.155M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.46M	8.096M	8M10D1D	4.46M	8.096M
802.11ax HEW40_Nss1,(MCS0)_1TX	4.08M	24.008M	24MOD1D	4.08M	24.008M
802.11ax HEW80_Nss1,(MCS0)_1TX	4.06M	34.283M	34M3D1D	4.06M	34.283M

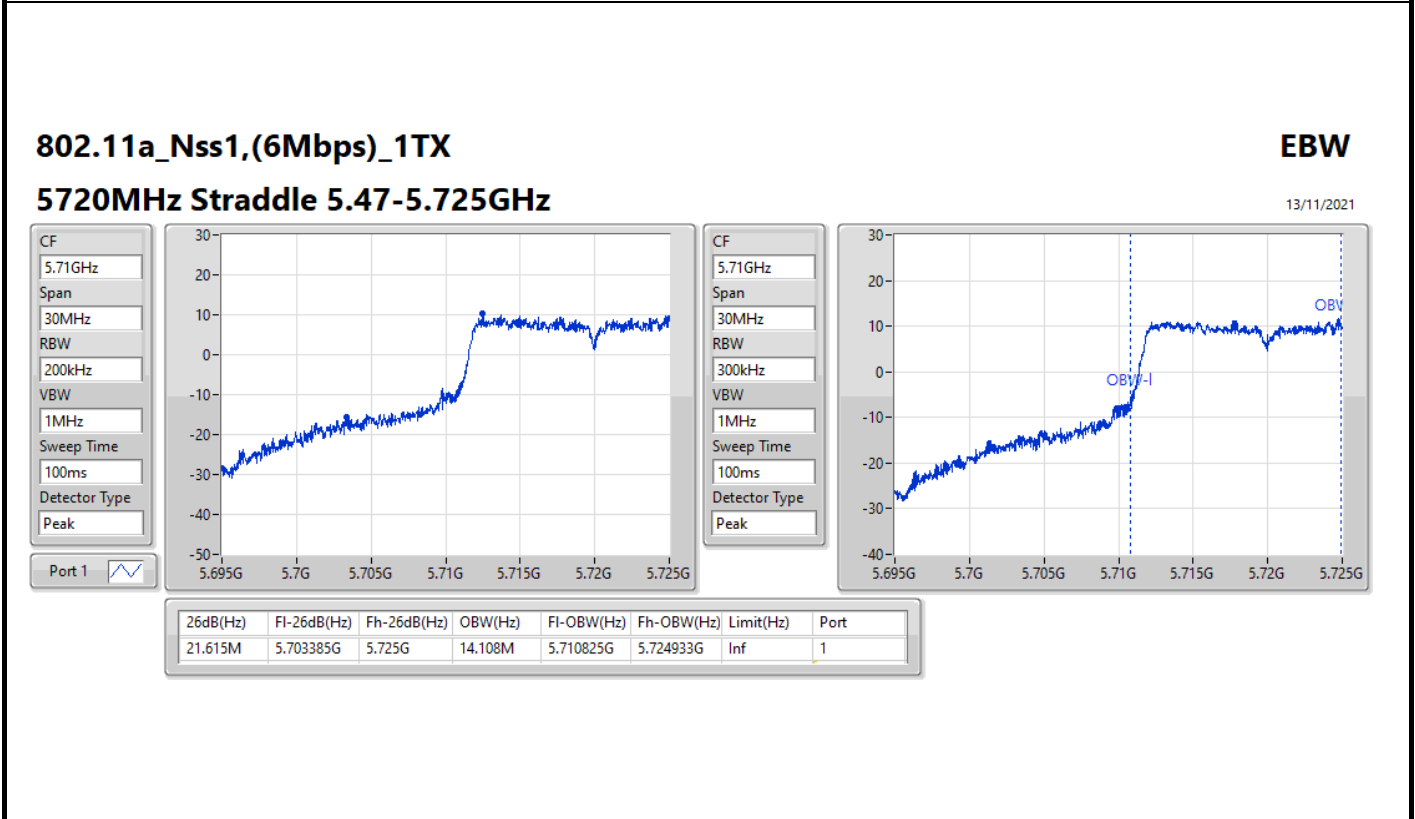
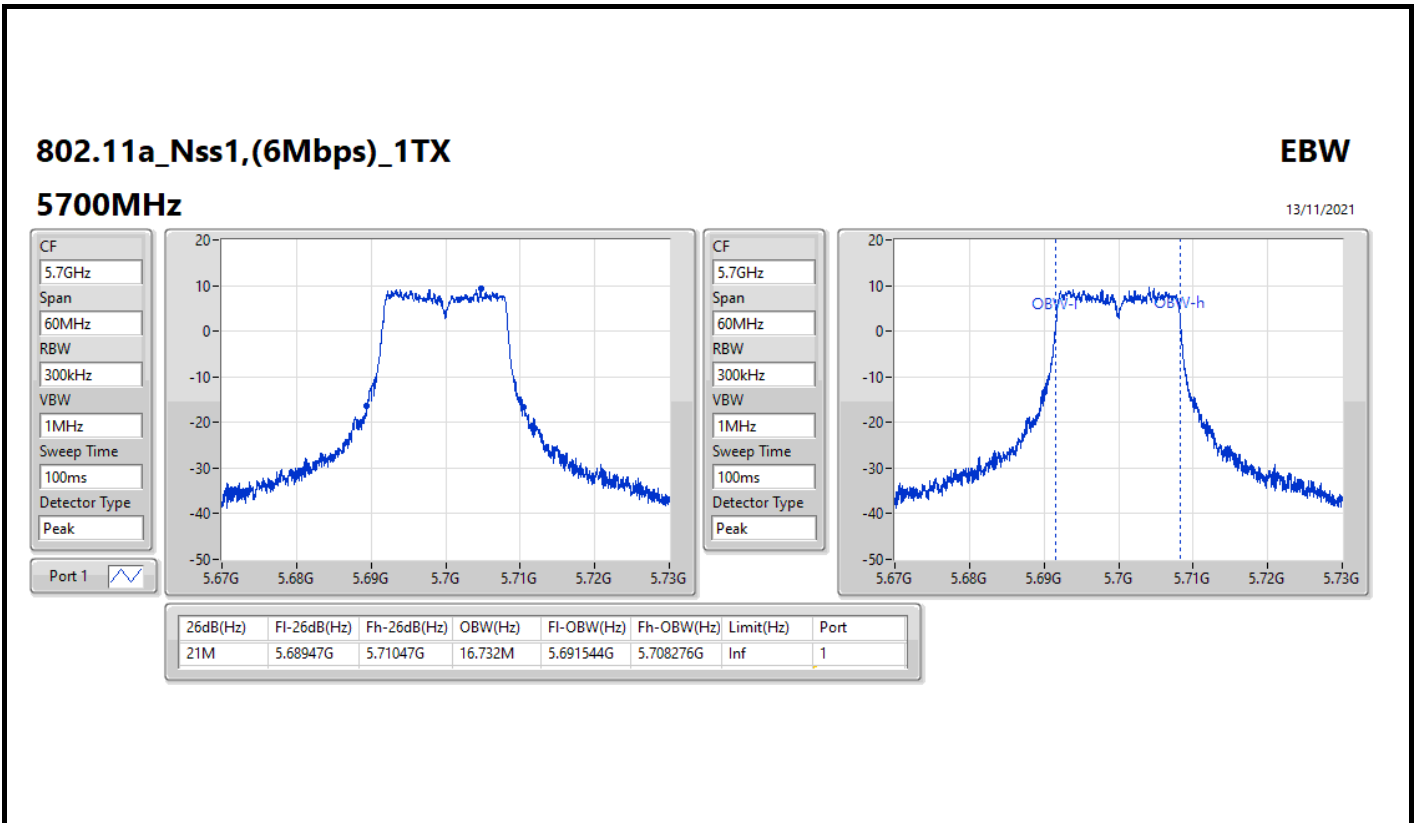
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5500MHz	Pass	Inf	21.15M	16.792M
5580MHz	Pass	Inf	34.62M	17.781M
5700MHz	Pass	Inf	21M	16.732M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.615M	14.108M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	9.155M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5500MHz	Pass	Inf	25.14M	19.22M
5580MHz	Pass	Inf	35.61M	19.55M
5700MHz	Pass	Inf	22.17M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	19.89M	14.828M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	8.096M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5510MHz	Pass	Inf	40.38M	37.901M
5550MHz	Pass	Inf	75.54M	38.861M
5670MHz	Pass	Inf	55.44M	38.201M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	60.62M	34.388M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	24.008M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5530MHz	Pass	Inf	82.32M	77.481M
5610MHz	Pass	Inf	134.04M	79.28M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	105.825M	74.063M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	34.283M

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



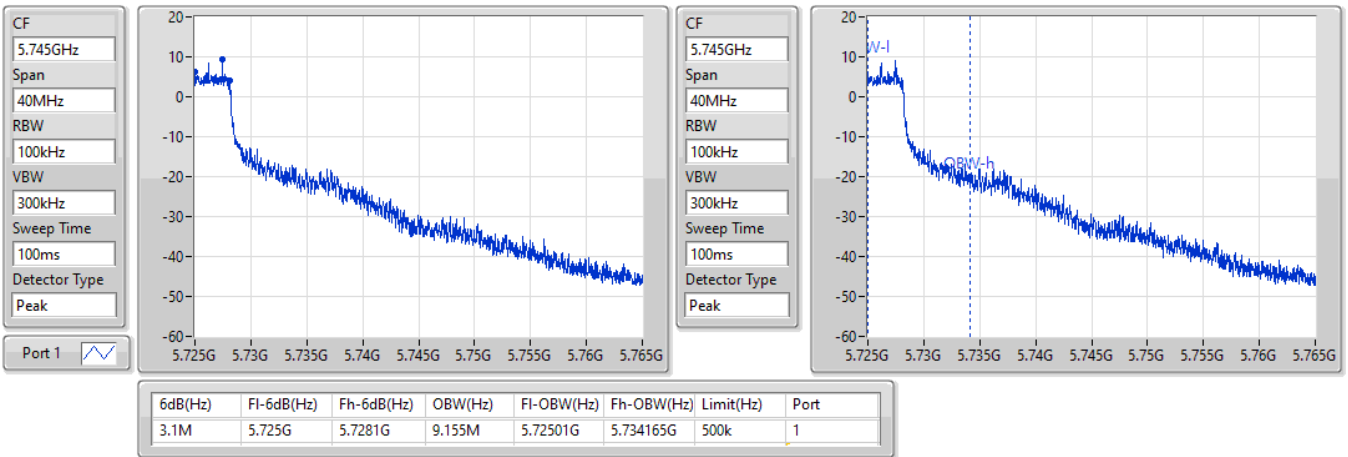


802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

13/11/2021

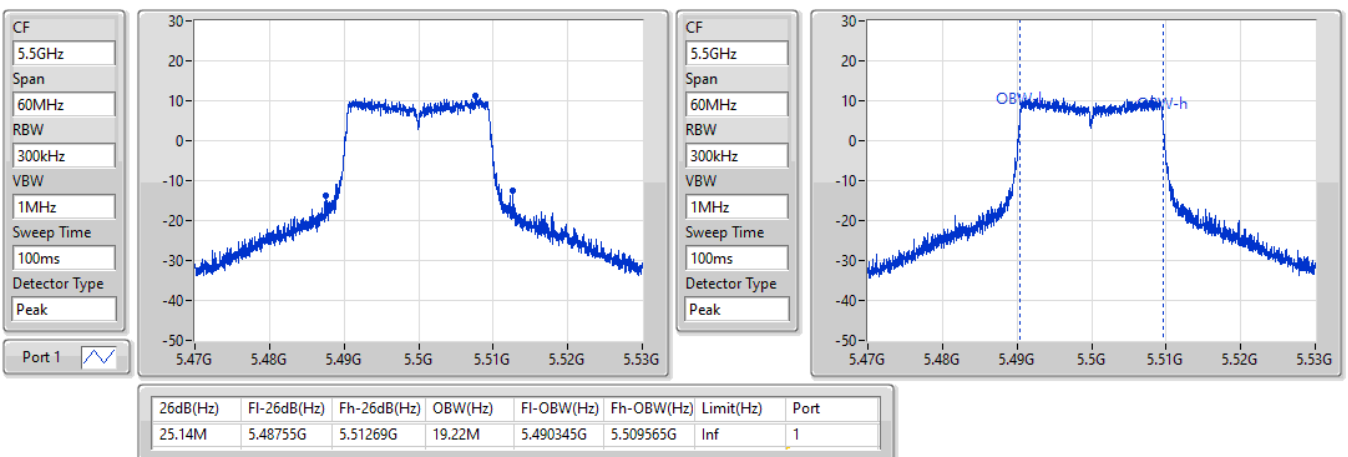


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

13/11/2021

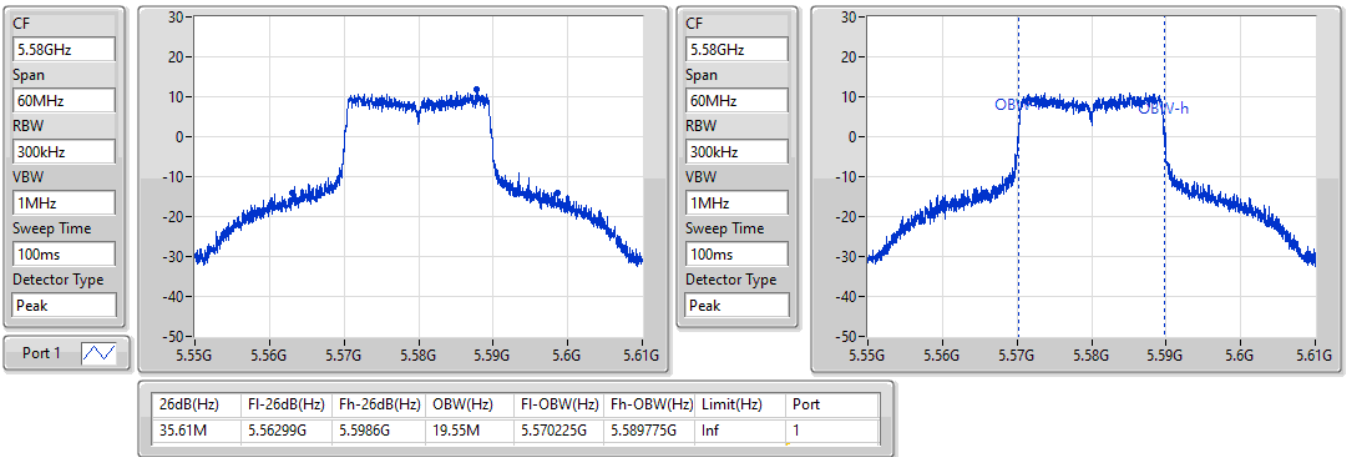


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

13/11/2021

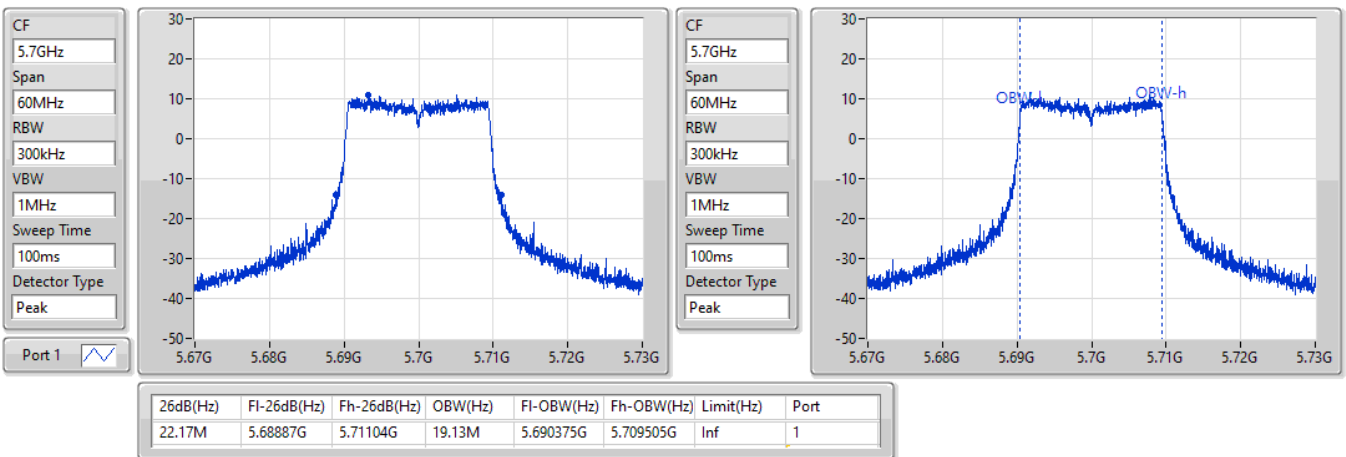


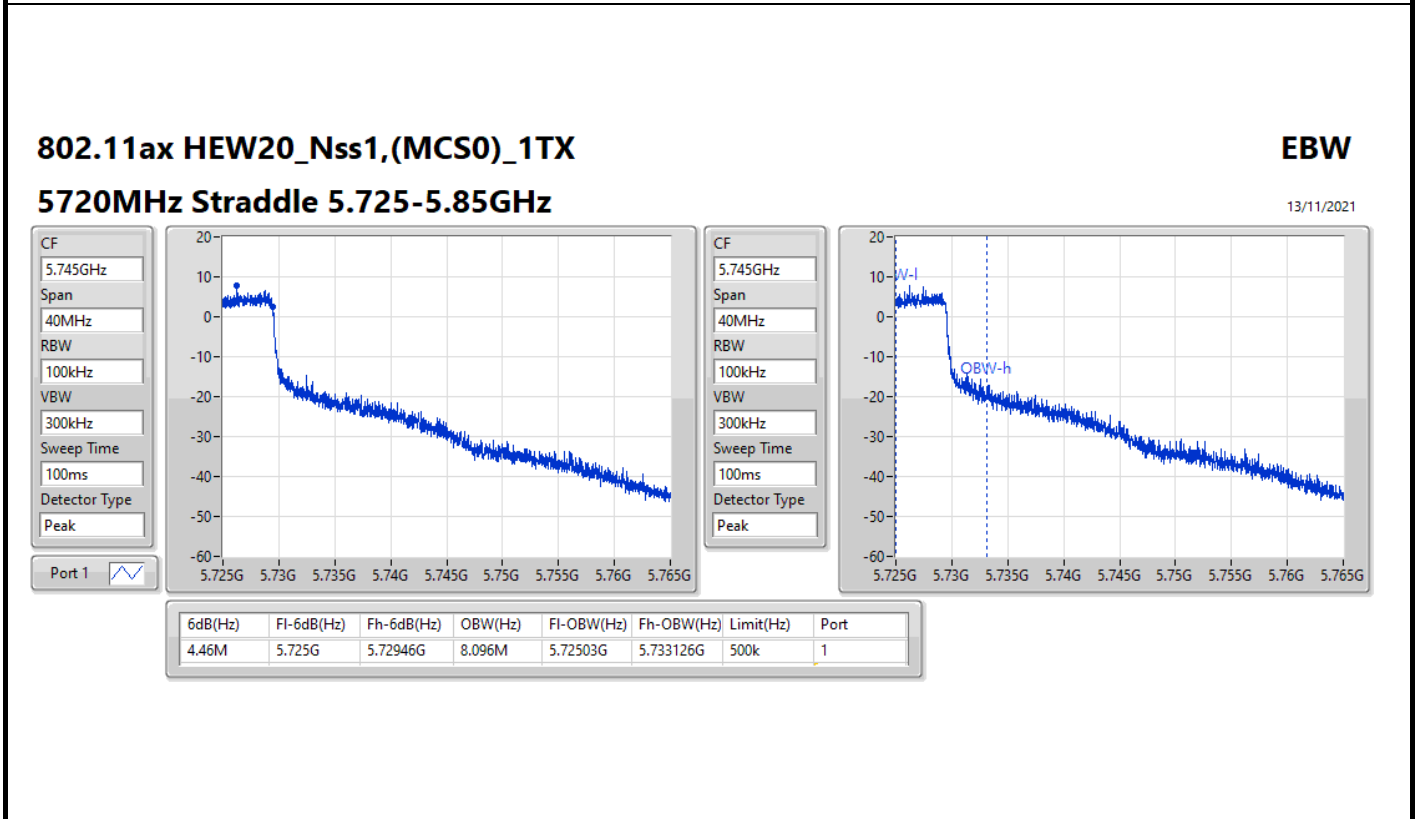
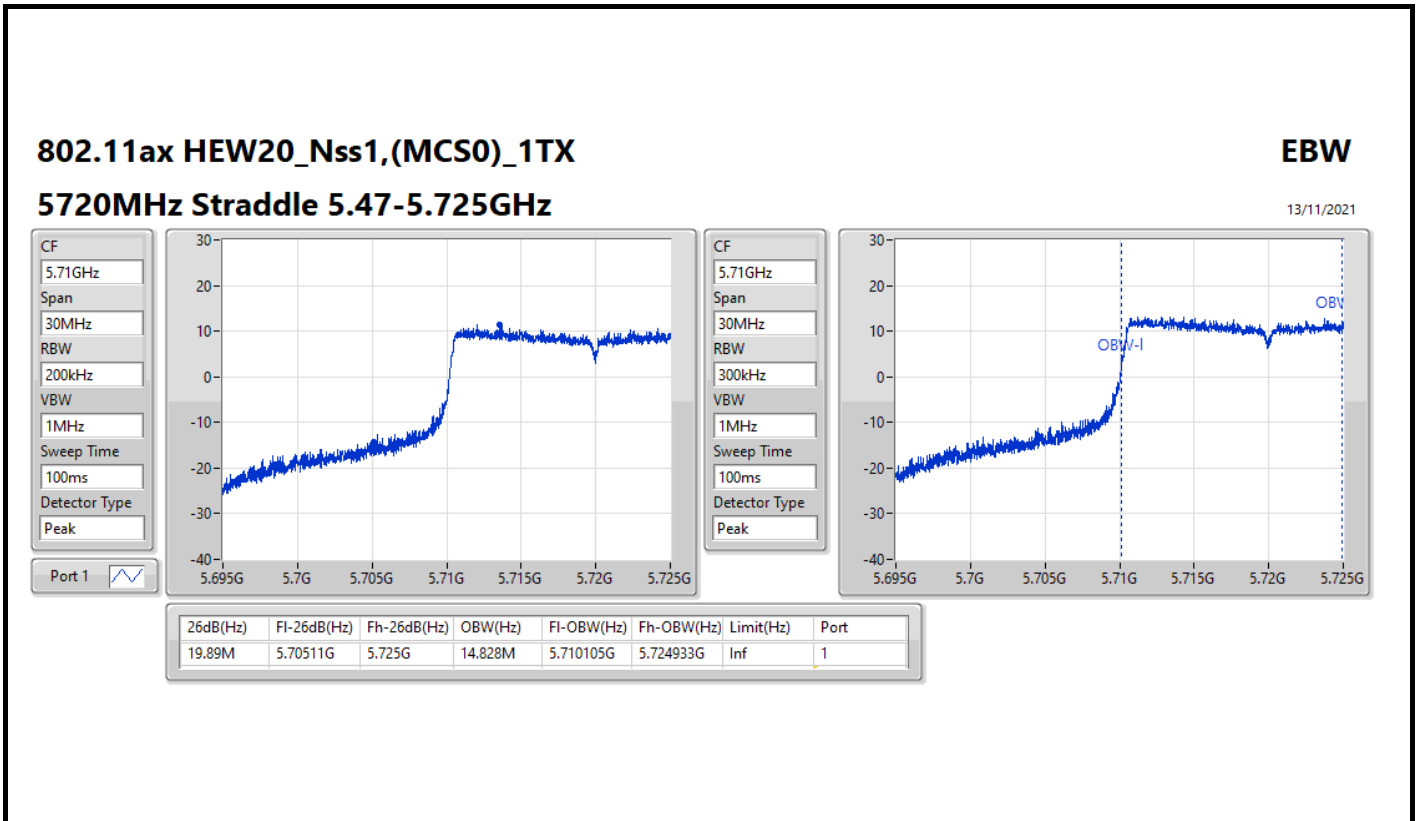
802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

13/11/2021





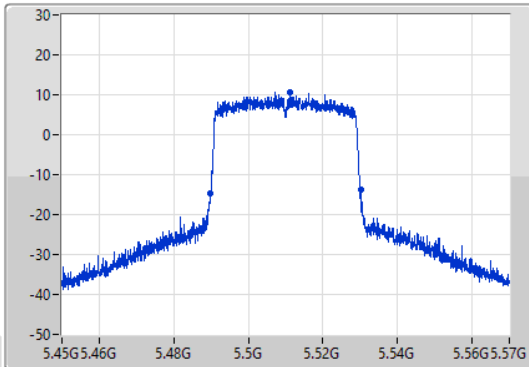
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

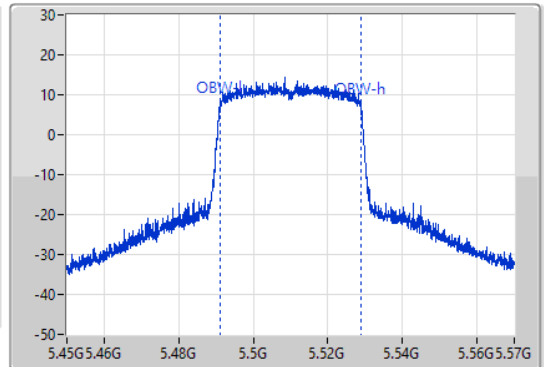
5510MHz

13/11/2021

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



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.38M	5.48972G	5.5301G	37.901M	5.49099G	5.528891G	Inf	1

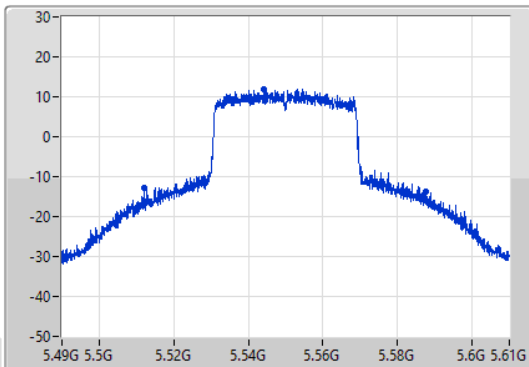
802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

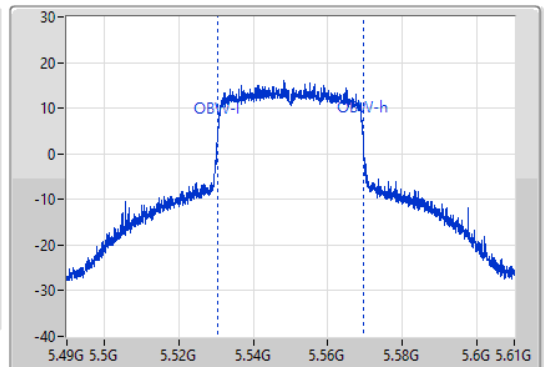
5550MHz

13/11/2021

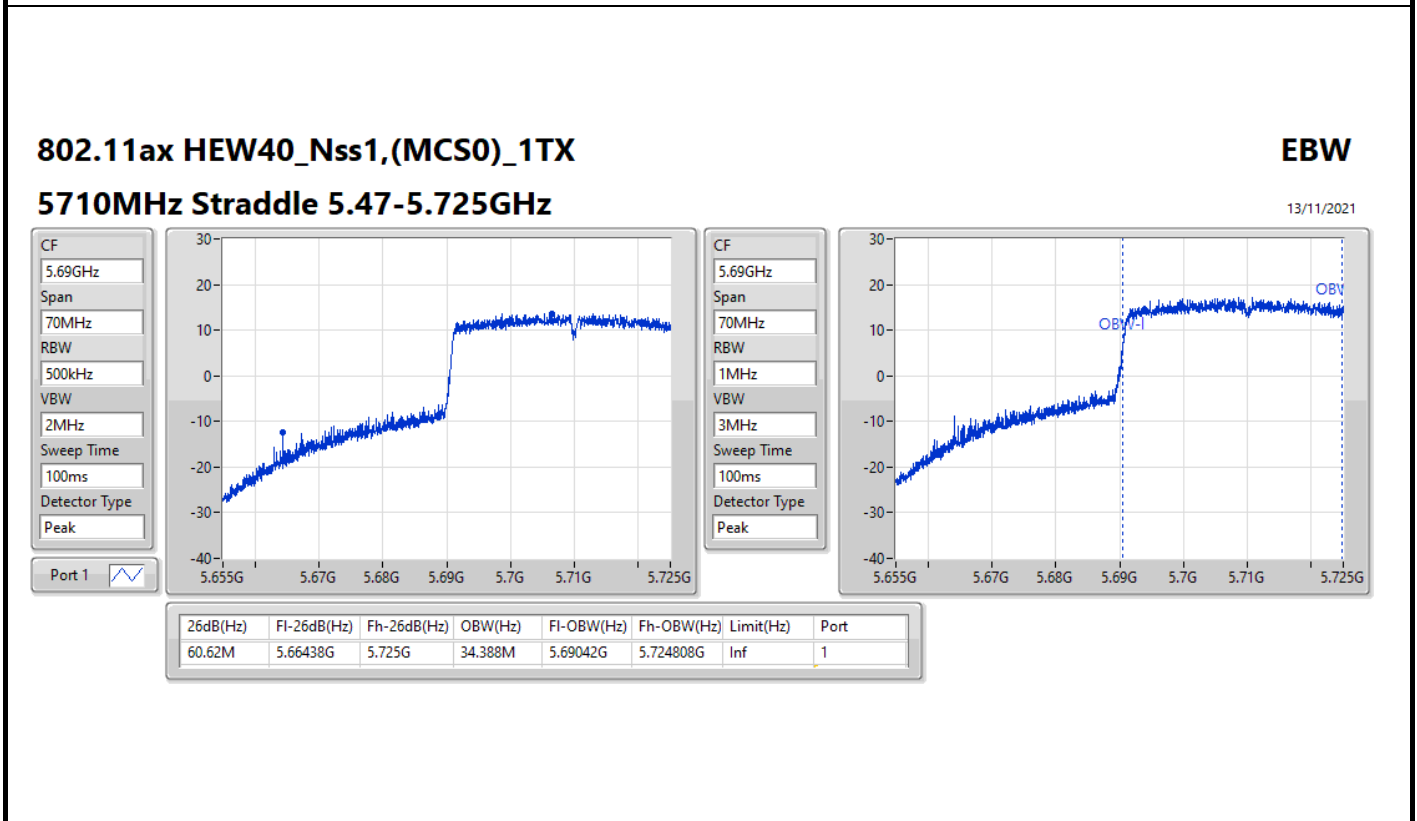
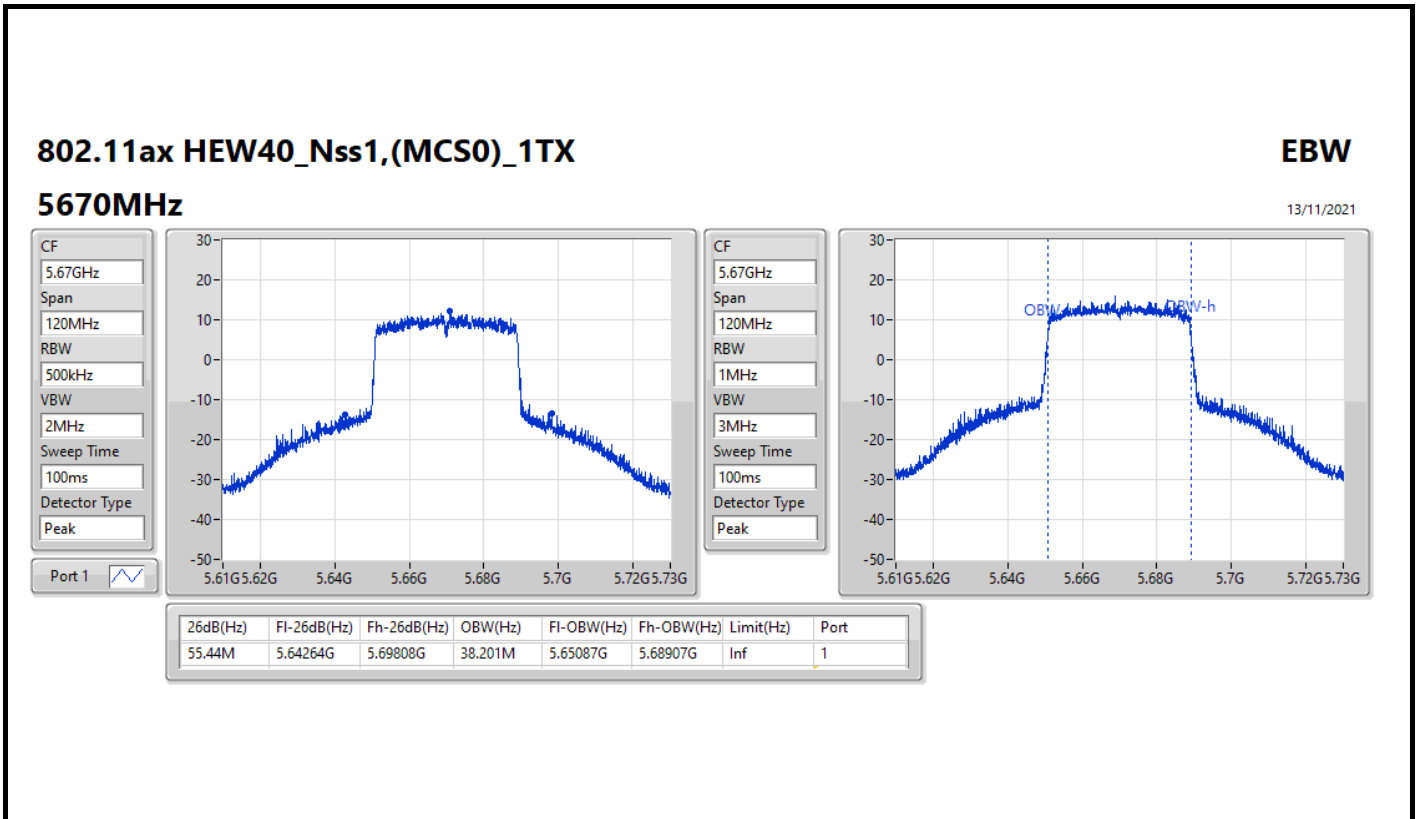
CF
5.55GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.54M	5.5119G	5.58744G	38.861M	5.53057G	5.56943G	Inf	1

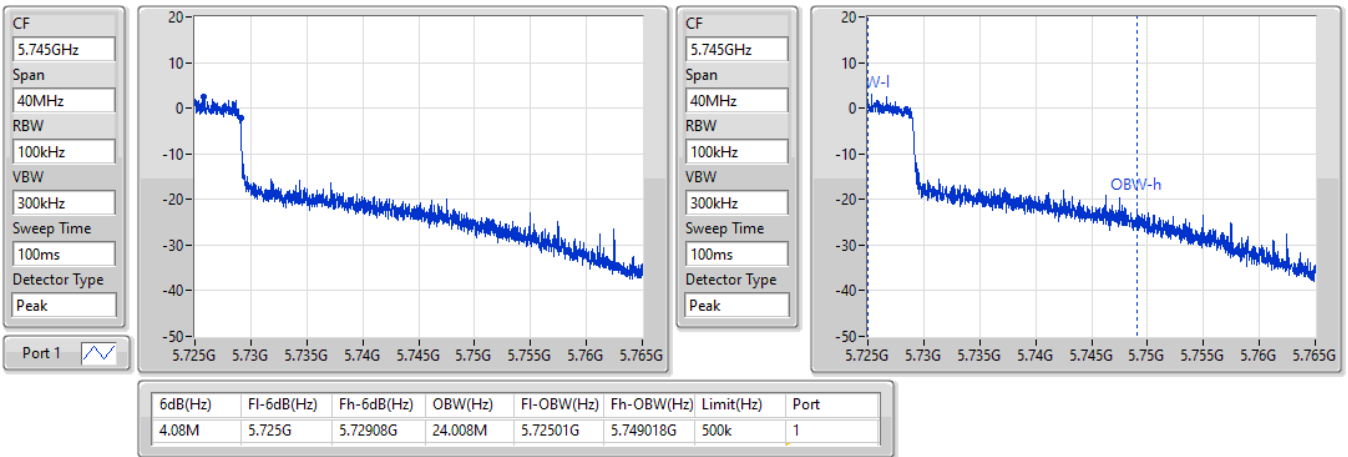


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

13/11/2021

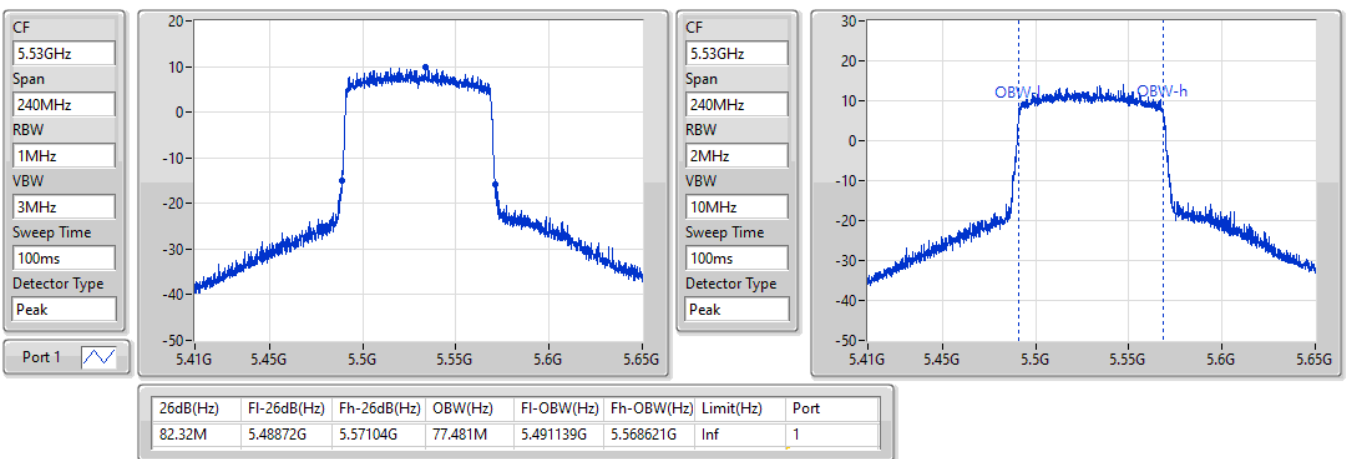


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

13/11/2021

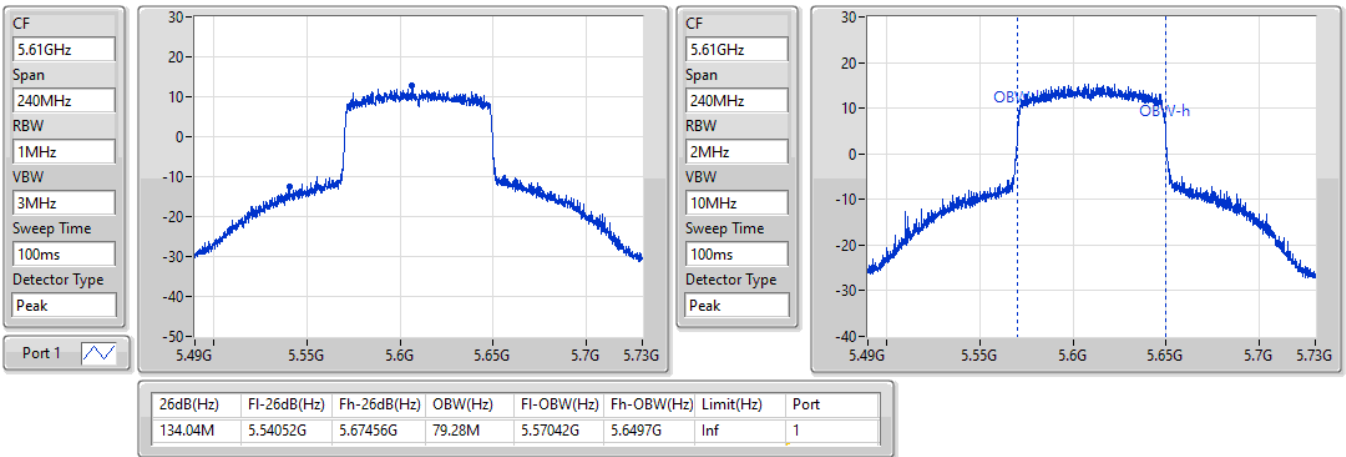


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

13/11/2021

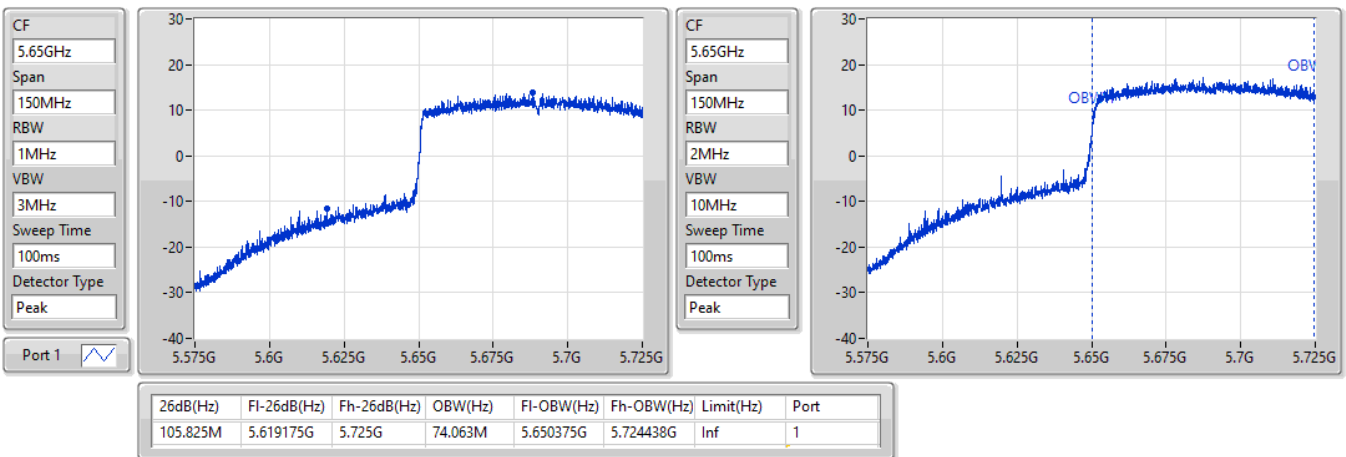


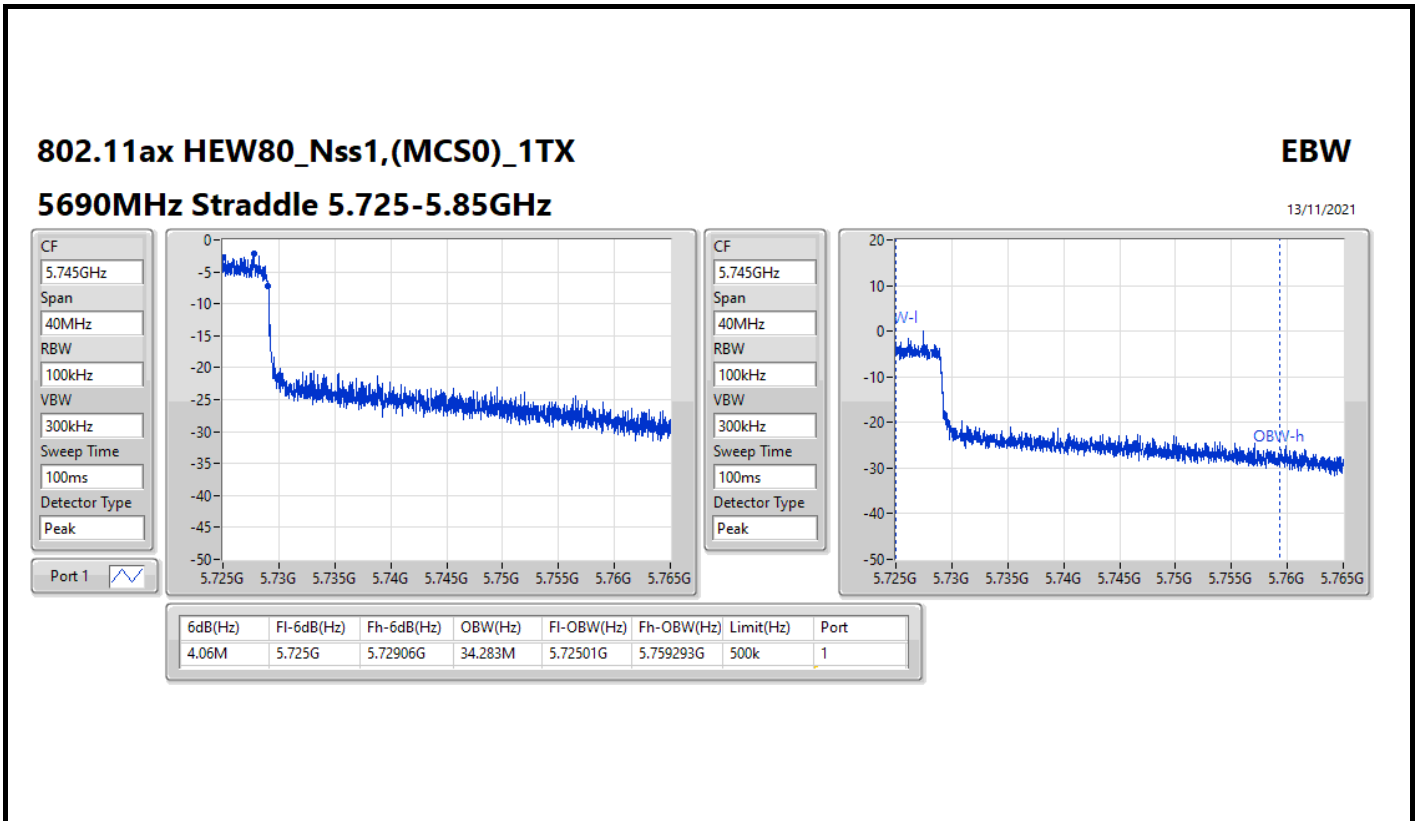
802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

13/11/2021







Summary

Mode	Max	ITU-Code	Min
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_1TX	12.32M	12M3D1D	12.32M
802.11ax HEW20_Nss1,(MCS0)_1TX	7.72M	8MD1D	7.72M
802.11ax HEW40_Nss1,(MCS0)_1TX	20.56M	21MD1D	20.56M
802.11ax HEW80_Nss1,(MCS0)_1TX	39.5M	39M5D1D	39.5M

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	12.32M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	7.72M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	20.56M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	39.5M

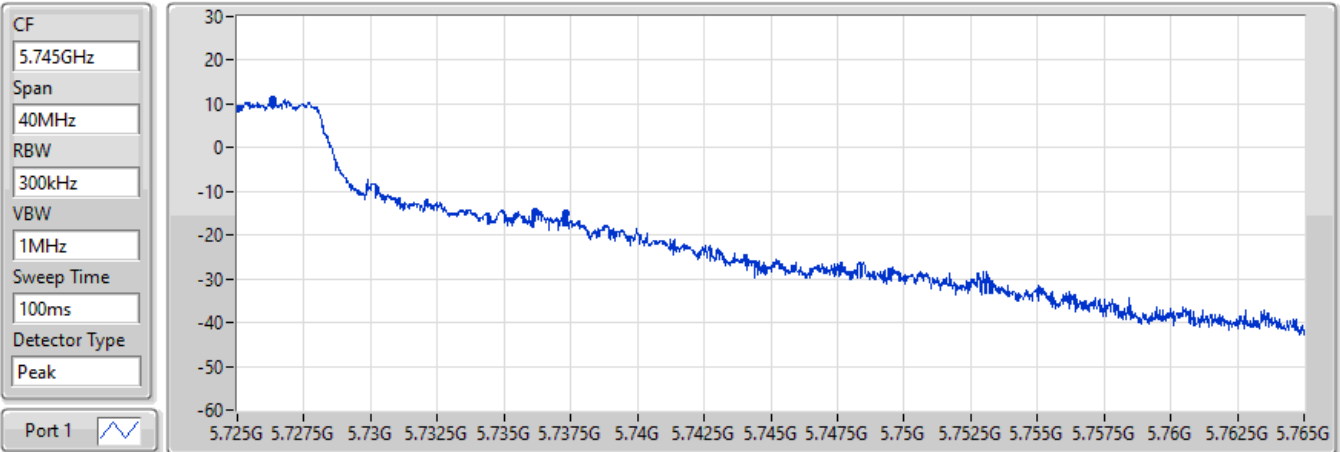
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021



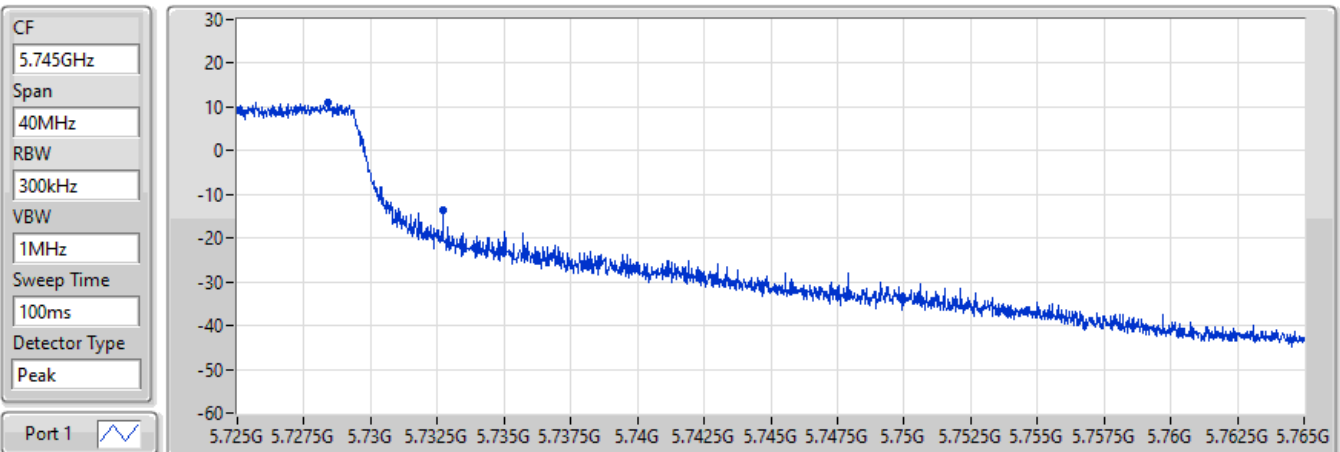
26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
12.32M	5.725G	5.73732G	Inf	1

802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021



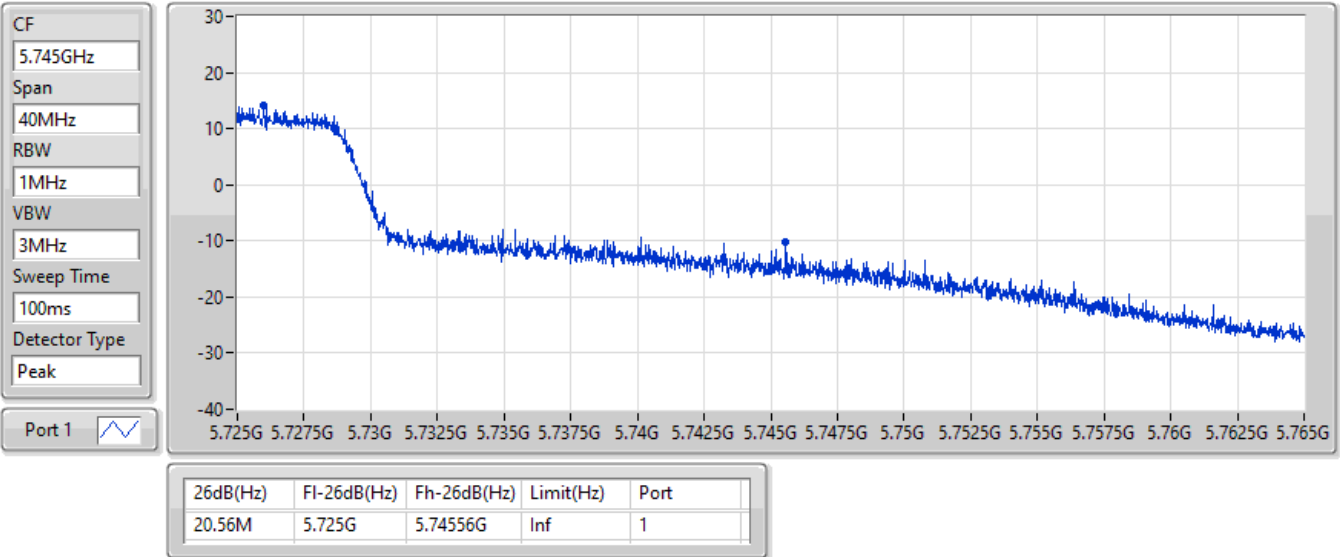
26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
7.72M	5.725G	5.73272G	Inf	1

802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

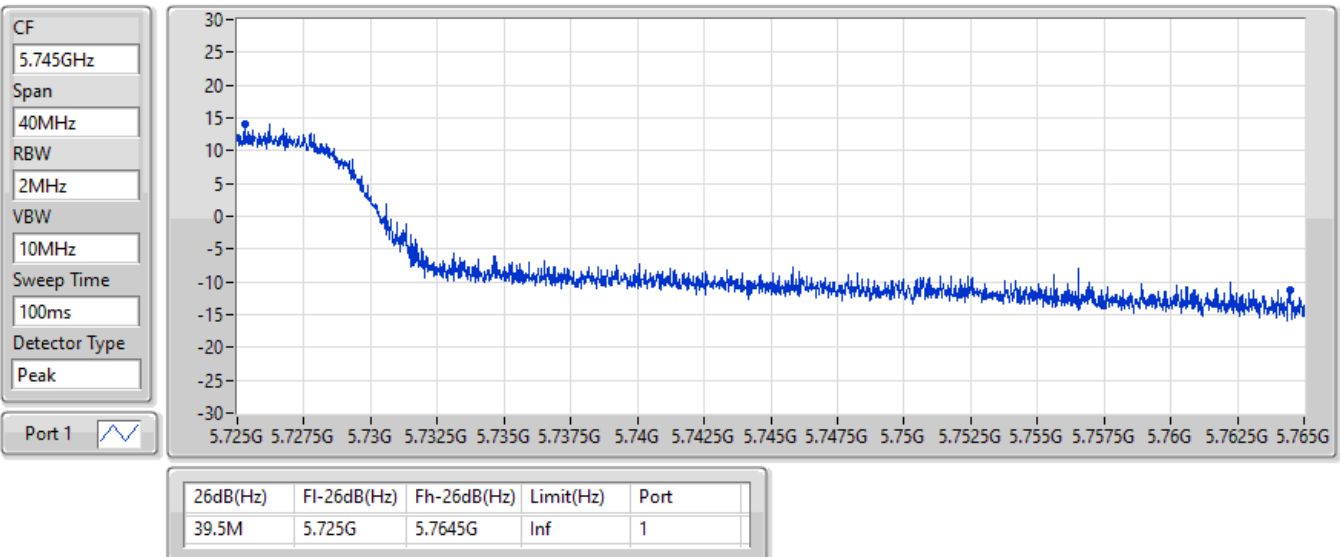


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021





Summary

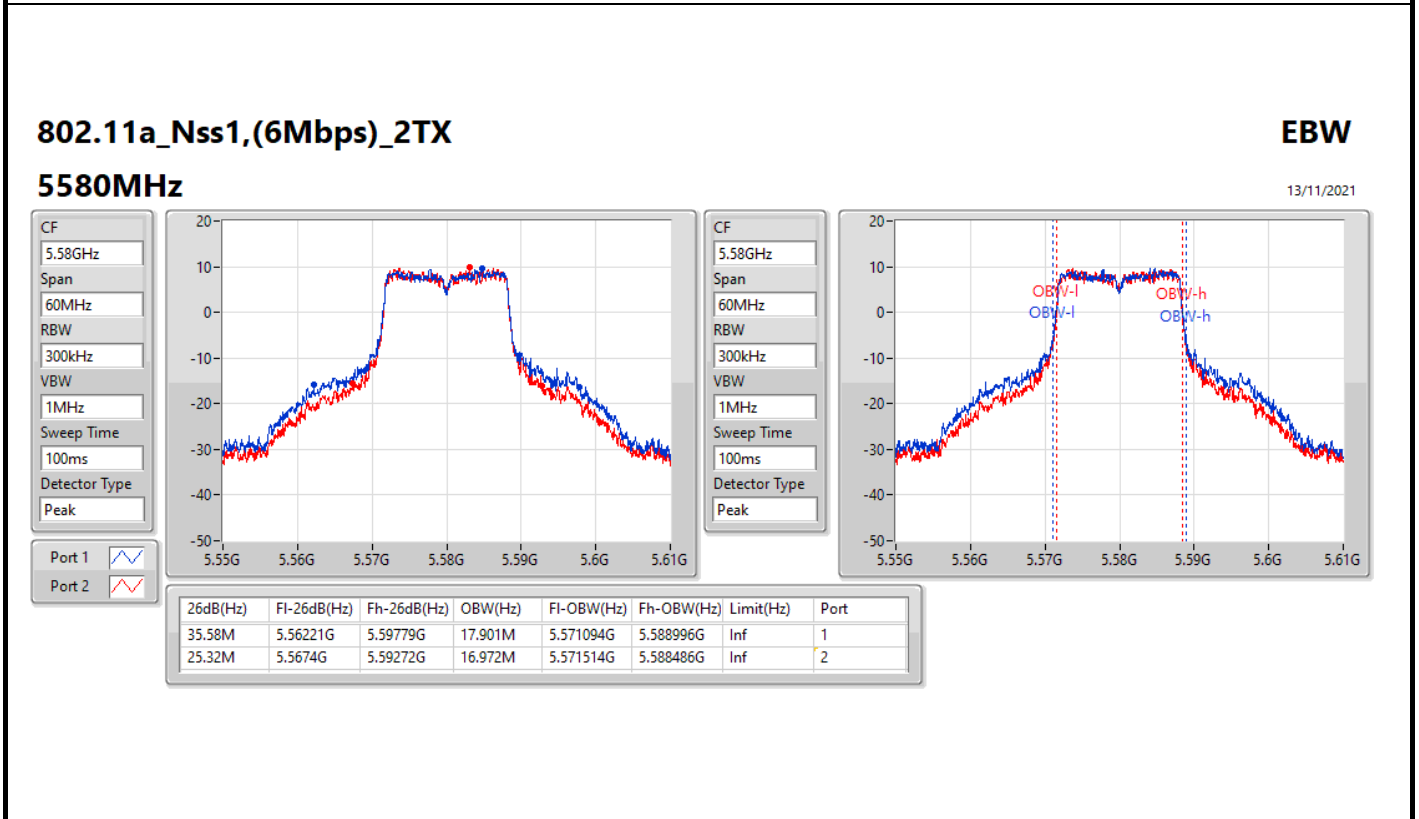
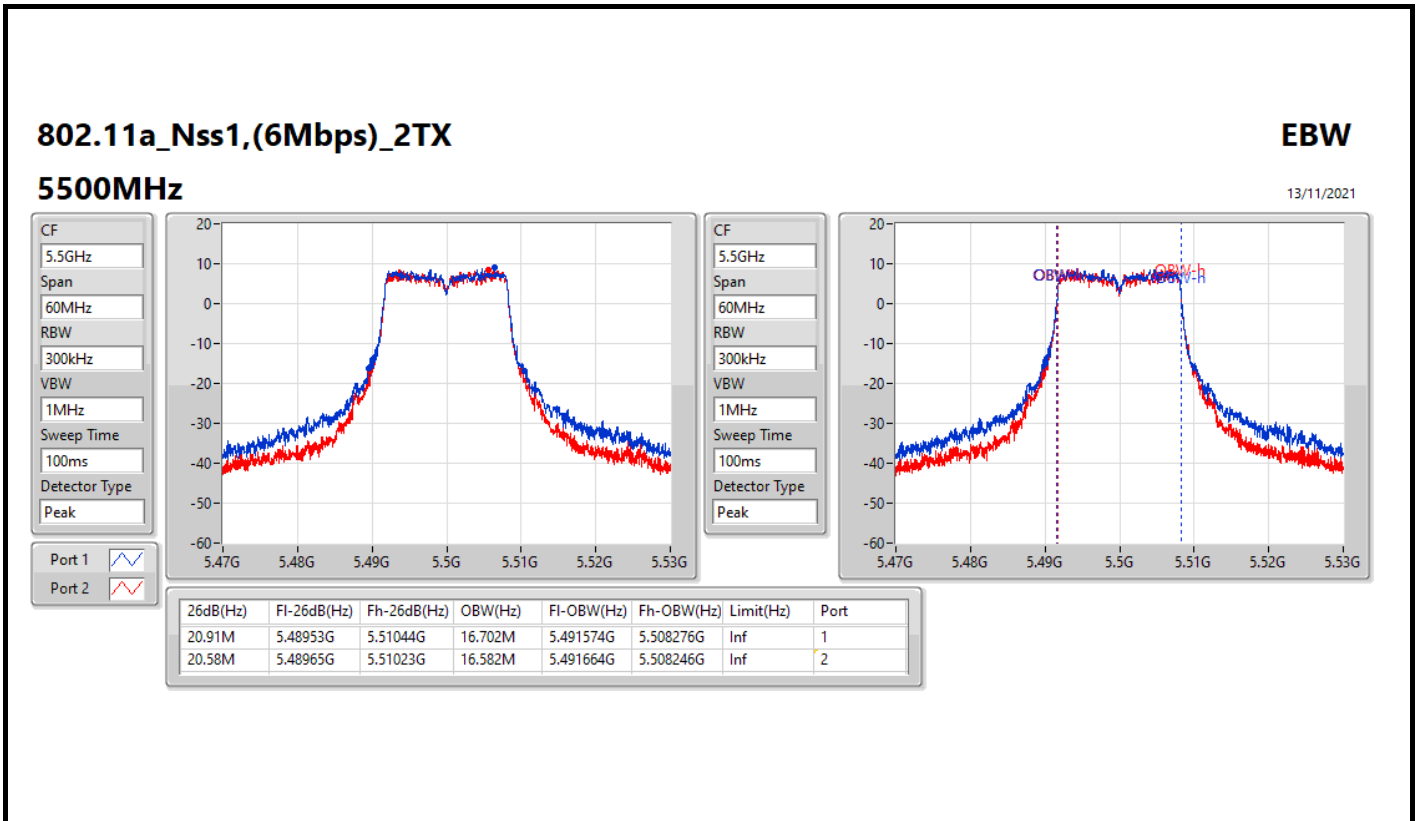
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	35.58M	17.901M	17M9D1D	17.88M	13.598M
802.11ax HEW20_Nss1,(MCS0)_2TX	39.99M	19.64M	19M6D1D	17.58M	14.723M
802.11ax HEW40_Nss1,(MCS0)_2TX	76.74M	38.861M	38M9D1D	40.56M	34.108M
802.11ax HEW80_Nss1,(MCS0)_2TX	136.8M	78.441M	78M4D1D	82.44M	73.913M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.1M	10.395M	10M4D1D	3.1M	7.296M
802.11ax HEW20_Nss1,(MCS0)_2TX	4.46M	8.356M	8M36D1D	4.46M	5.877M
802.11ax HEW40_Nss1,(MCS0)_2TX	4.1M	23.708M	23M7D1D	4.06M	20.11M
802.11ax HEW80_Nss1,(MCS0)_2TX	4.04M	34.263M	34M3D1D	4.02M	31.504M

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	-	-	-	-	-	-
5500MHz	Pass	Inf	20.91M	16.702M	20.58M	16.582M
5580MHz	Pass	Inf	35.58M	17.901M	25.32M	16.972M
5700MHz	Pass	Inf	21.36M	16.702M	20.67M	16.612M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.615M	14.243M	17.88M	13.598M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	10.395M	3.1M	7.296M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	Inf	22.44M	19.16M	22.35M	19.13M
5580MHz	Pass	Inf	39.99M	19.64M	33.48M	19.4M
5700MHz	Pass	Inf	22.17M	19.16M	21.87M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.625M	14.828M	17.58M	14.723M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	8.356M	4.46M	5.877M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	Inf	40.56M	37.781M	40.62M	37.781M
5550MHz	Pass	Inf	76.74M	38.861M	59.46M	38.321M
5670MHz	Pass	Inf	41.52M	37.961M	40.92M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.495M	34.388M	50.26M	34.108M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	23.708M	4.1M	20.11M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	Inf	82.92M	77.481M	82.44M	77.361M
5610MHz	Pass	Inf	136.8M	78.441M	89.52M	78.081M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	108.3M	74.138M	94.725M	73.913M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	34.263M	4.02M	31.504M

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

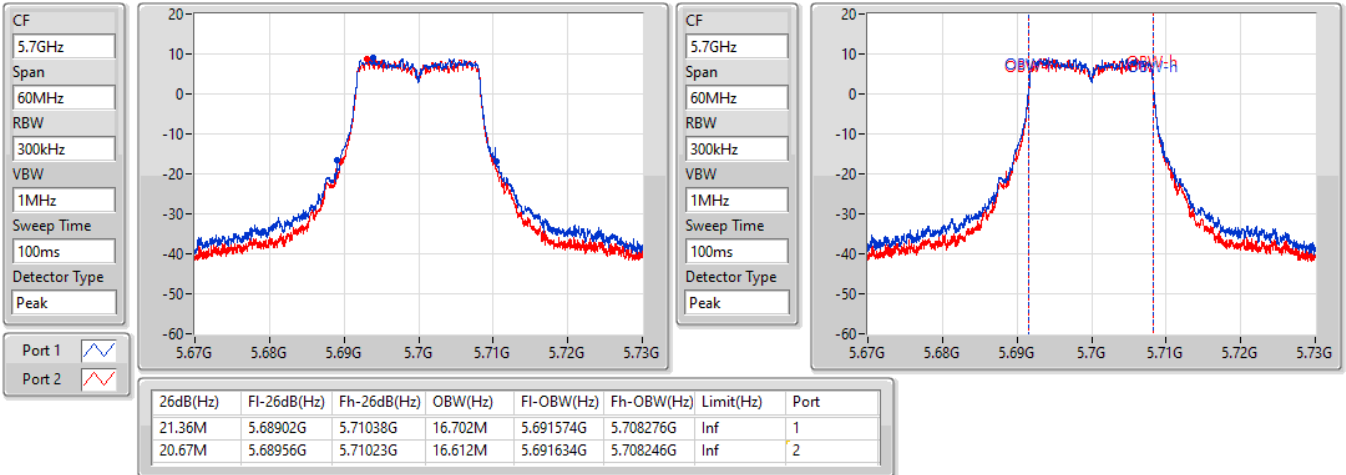


802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

13/11/2021

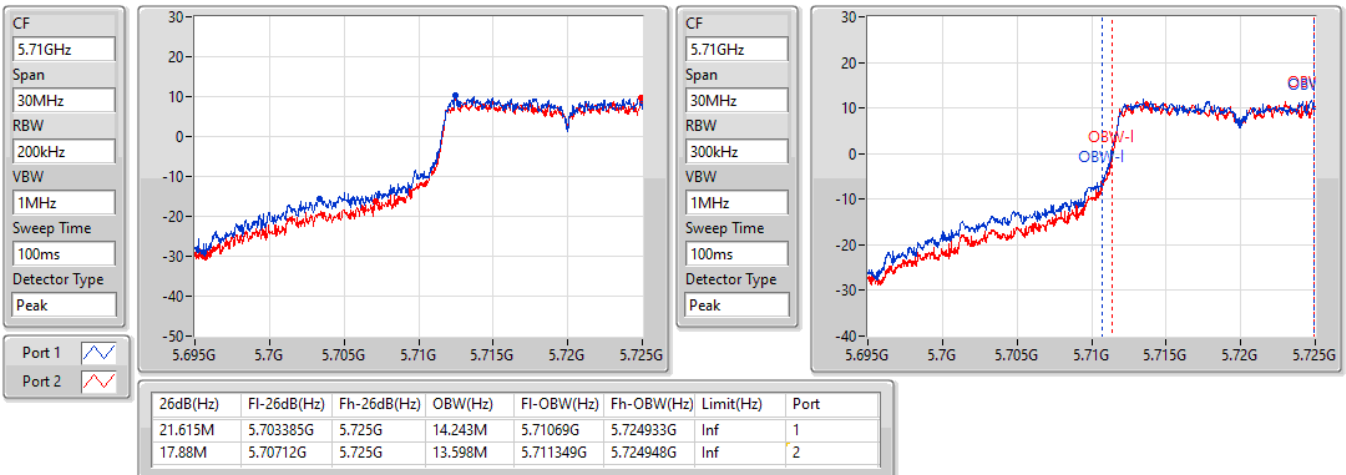


802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

13/11/2021



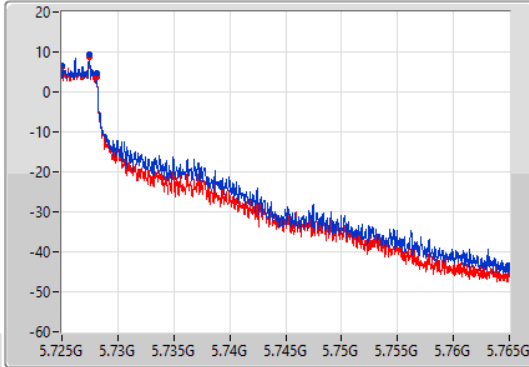
802.11a_Nss1,(6Mbps)_2TX

EBW

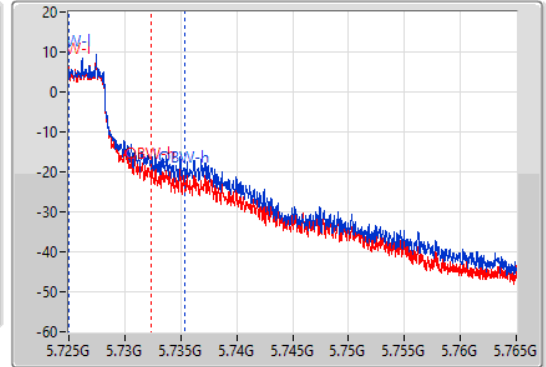
5720MHz Straddle 5.725-5.85GHz

13/11/2021

CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.1M	5.725G	5.7281G	10.395M	5.72501G	5.735405G	500k	1
3.1M	5.725G	5.7281G	7.296M	5.72501G	5.732306G	500k	2

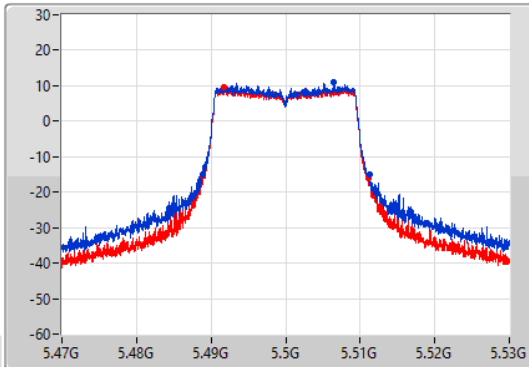
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

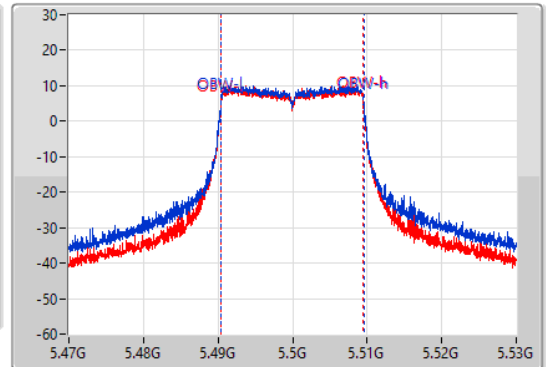
5500MHz

13/11/2021

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
Peak



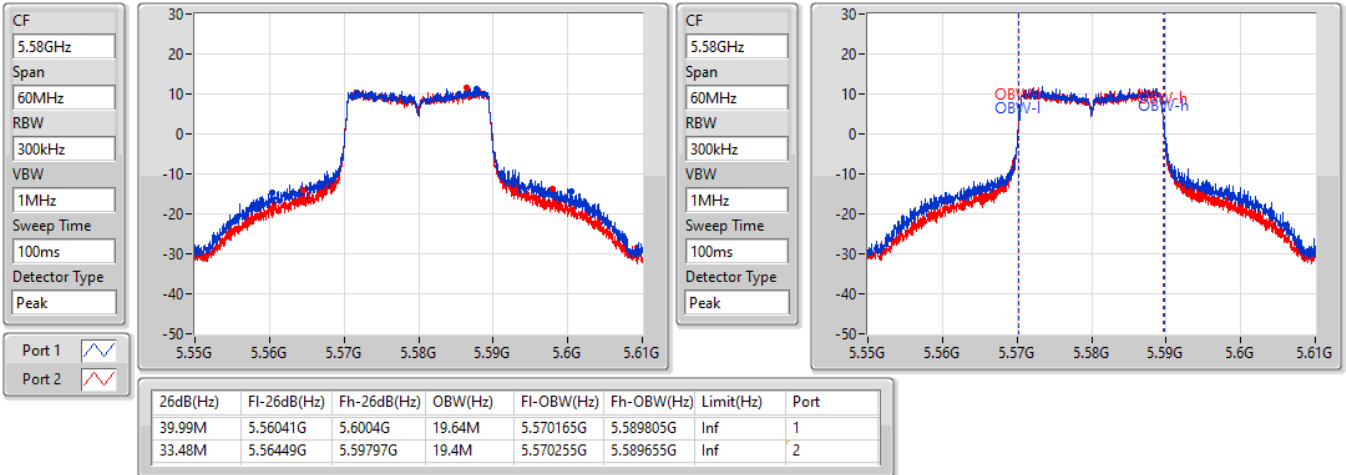
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.48881G	5.51125G	19.16M	5.490375G	5.509535G	Inf	1
22.35M	5.48884G	5.51119G	19.13M	5.490375G	5.509505G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

13/11/2021

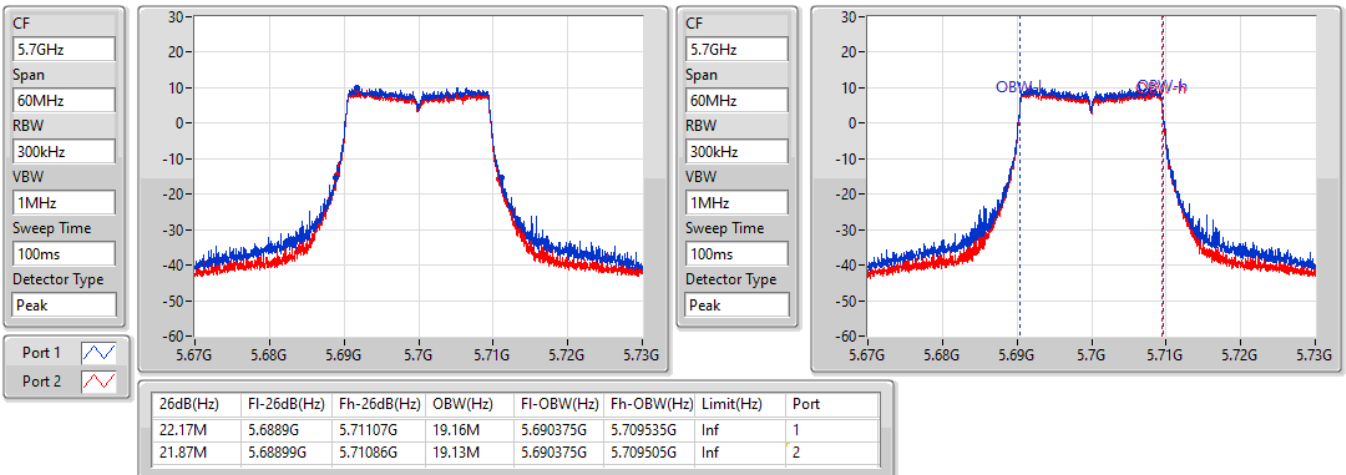


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

13/11/2021

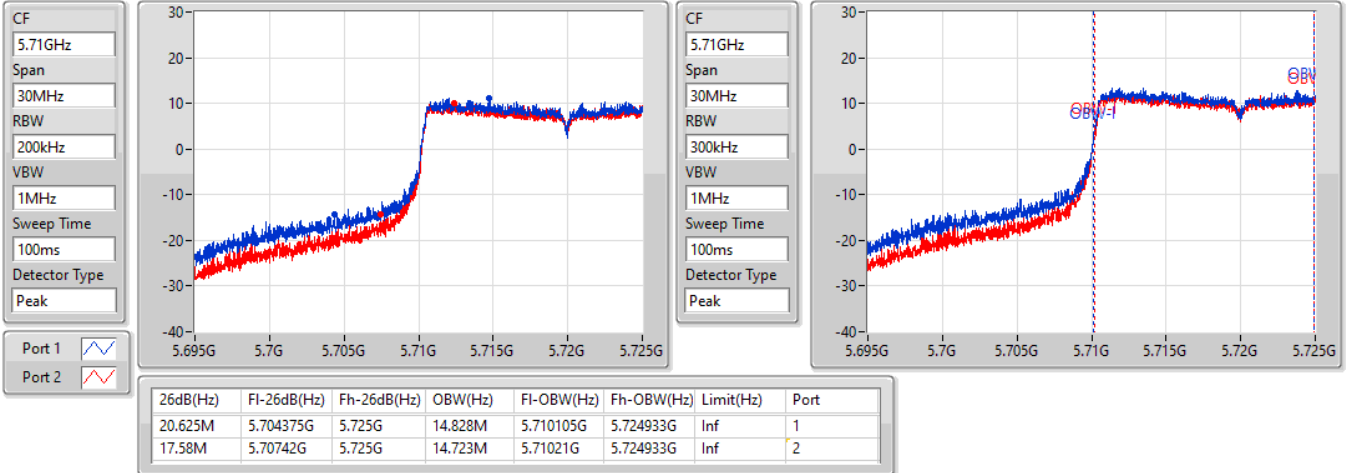


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

13/11/2021

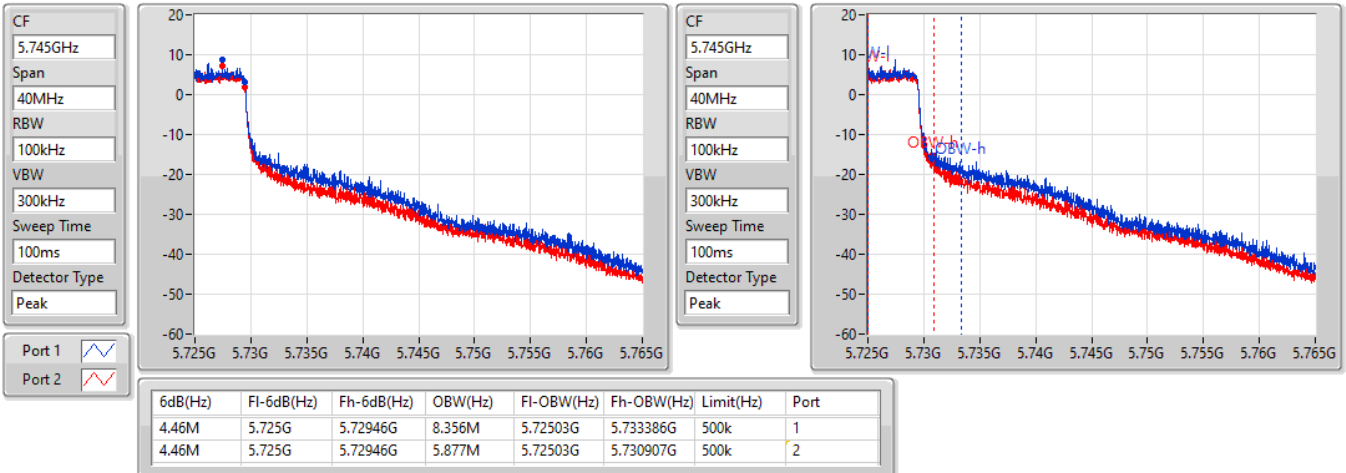


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

13/11/2021



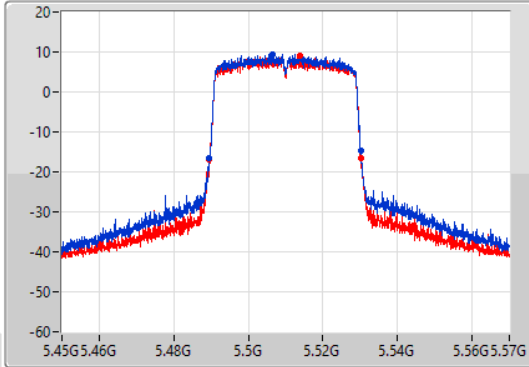
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

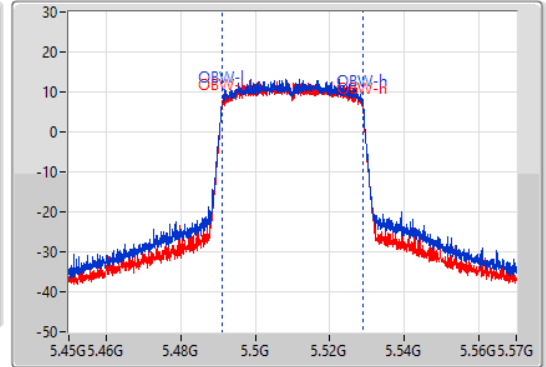
5510MHz

13/11/2021

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
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	5.4896G	5.53016G	37.781M	5.491049G	5.528831G	Inf	1
40.62M	5.4896G	5.53022G	37.781M	5.491049G	5.528831G	Inf	2

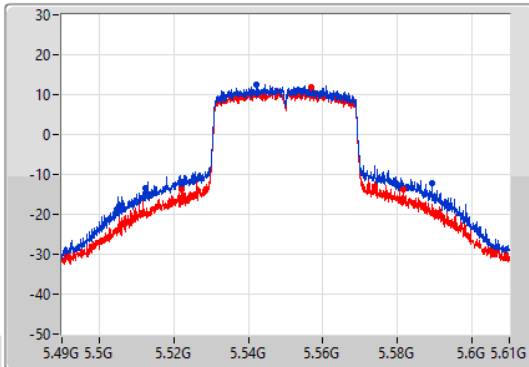
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

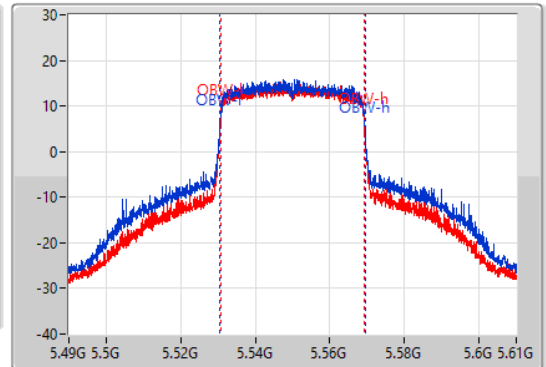
5550MHz

13/11/2021

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
Peak



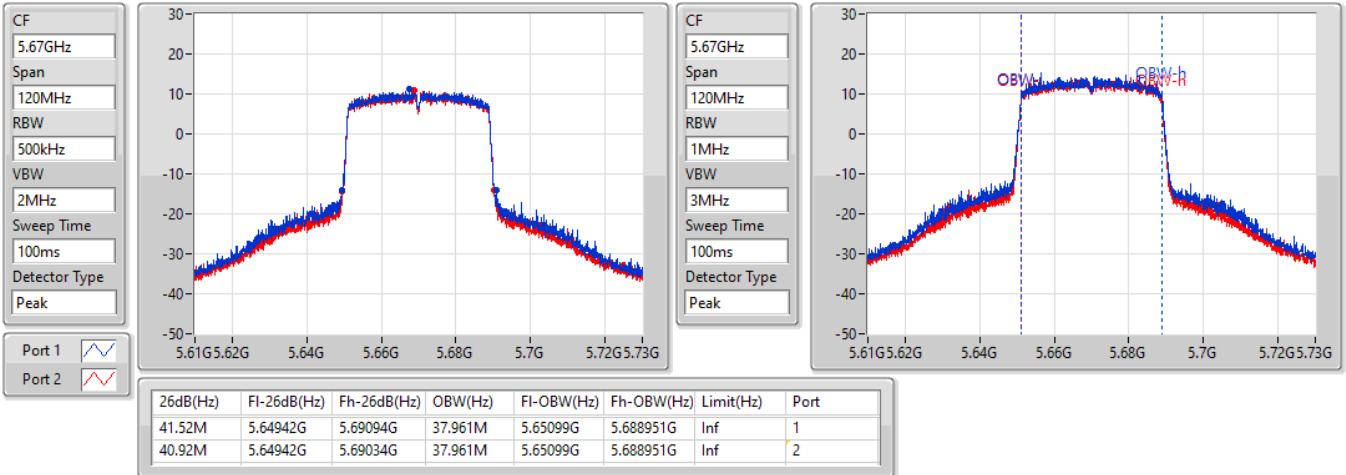
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.74M	5.51244G	5.58918G	38.861M	5.53057G	5.56943G	Inf	1
59.46M	5.52204G	5.5815G	38.321M	5.53081G	5.56913G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

13/11/2021

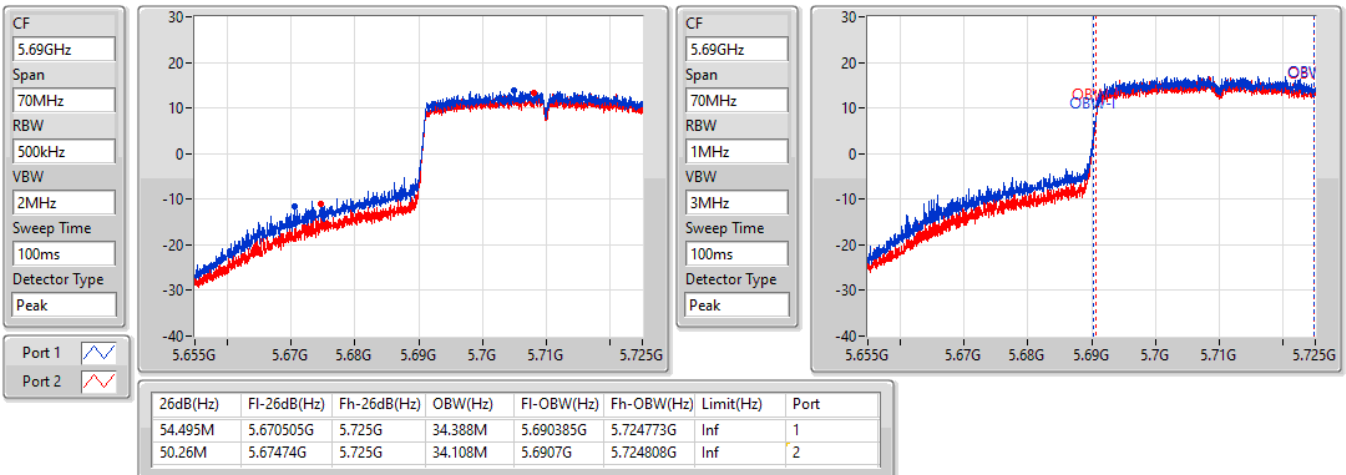


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

13/11/2021

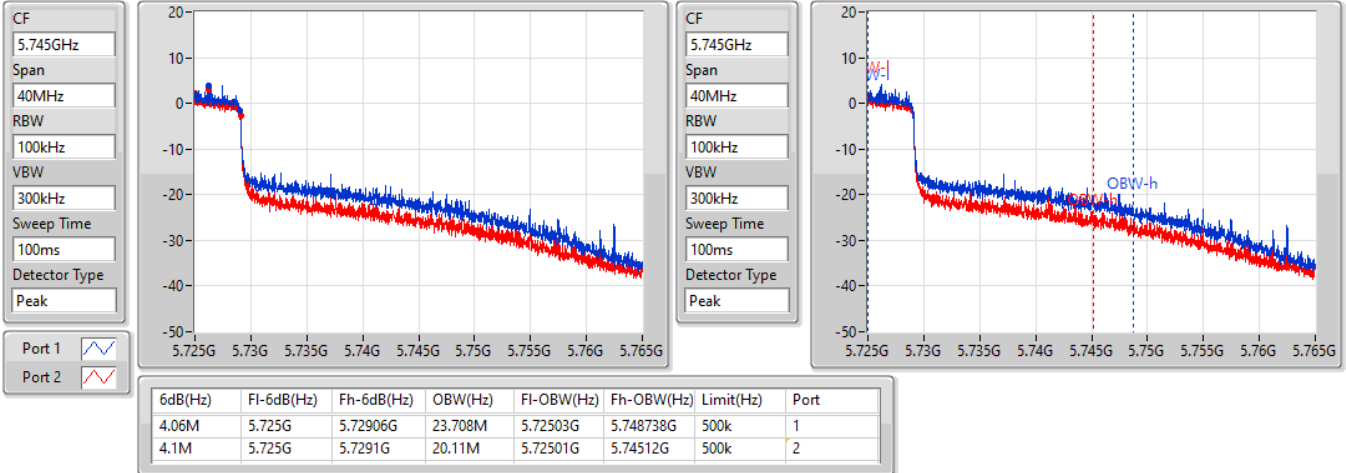


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

13/11/2021

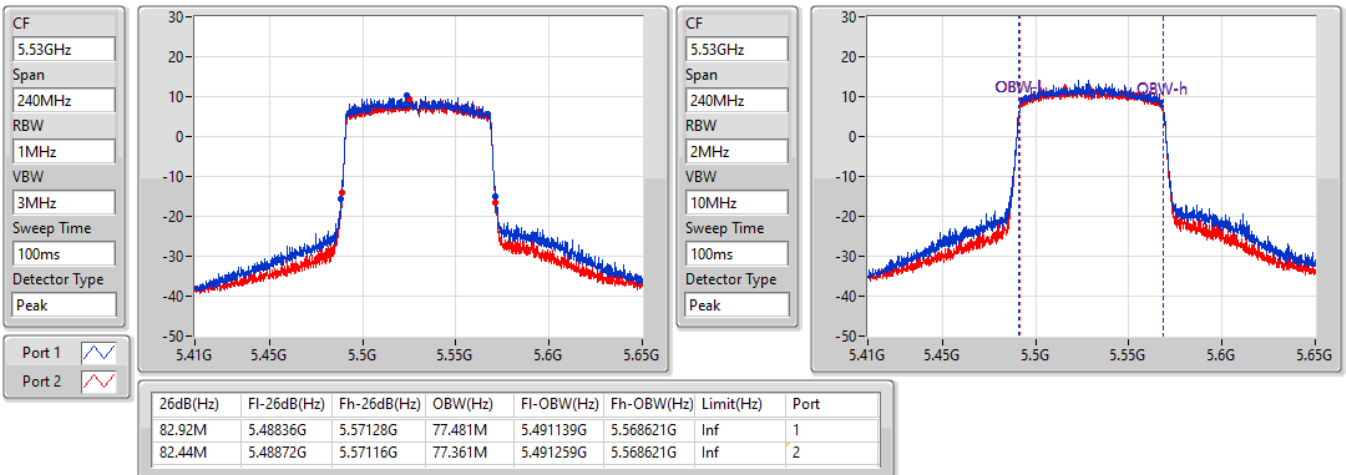


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

13/11/2021

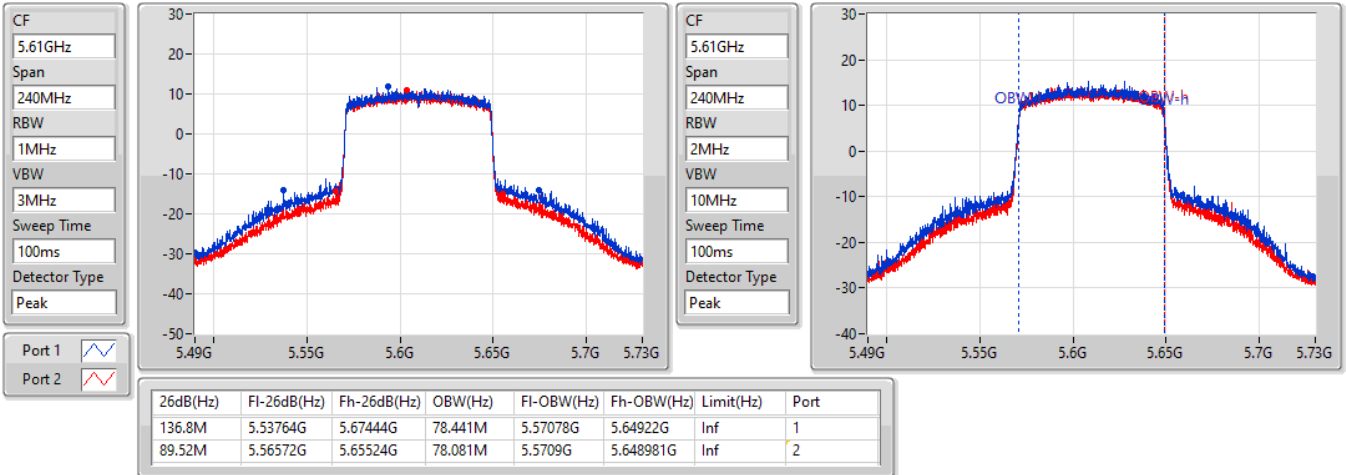


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

13/11/2021

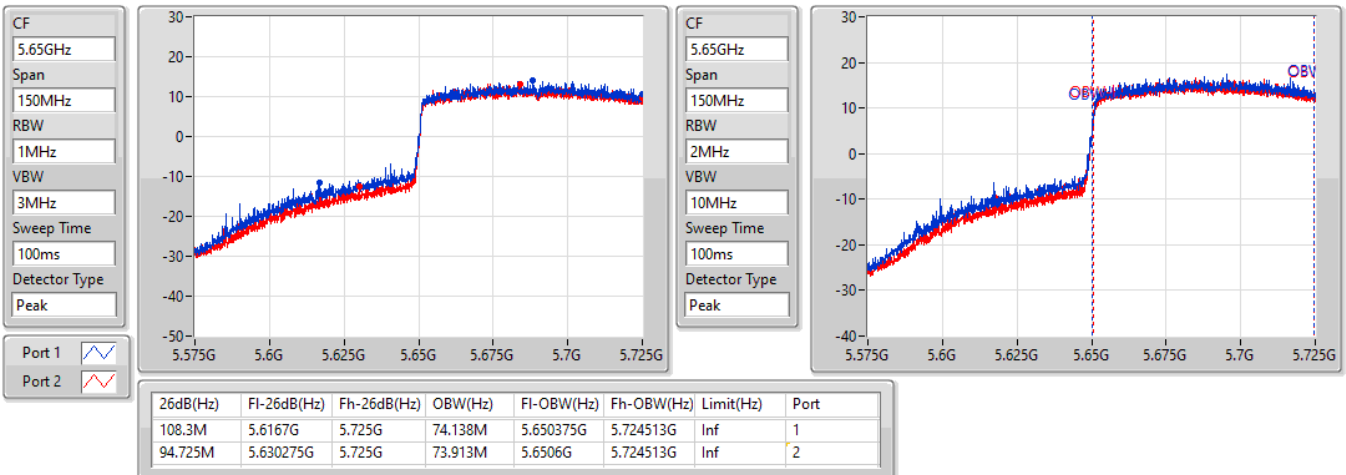


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

13/11/2021

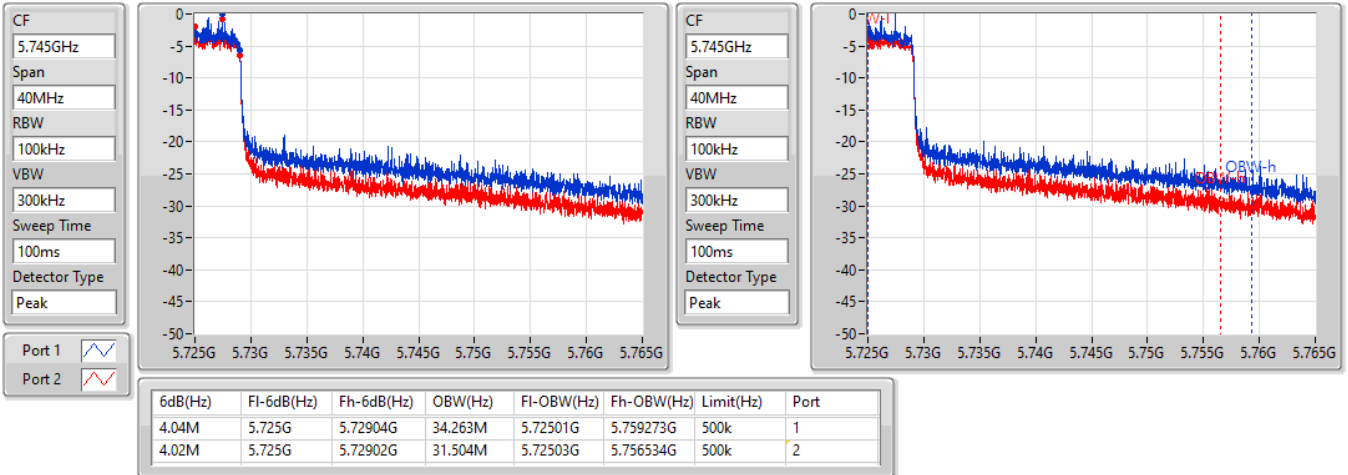


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

13/11/2021





Summary

Mode	Max-N dB (Hz)	ITU-Code	Min-N dB (Hz)
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_2TX	12.88M	12M9D1D	11.38M
802.11ax HEW20_Nss1,(MCS0)_2TX	8M	8M00D1D	6.18M
802.11ax HEW40_Nss1,(MCS0)_2TX	23.08M	23M1D1D	22.62M
802.11ax HEW80_Nss1,(MCS0)_2TX	39.8M	39M8D1D	39.7M

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 2-N dB (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	11.38M	12.88M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	6.18M	8M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	22.62M	23.08M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	39.7M	39.8M

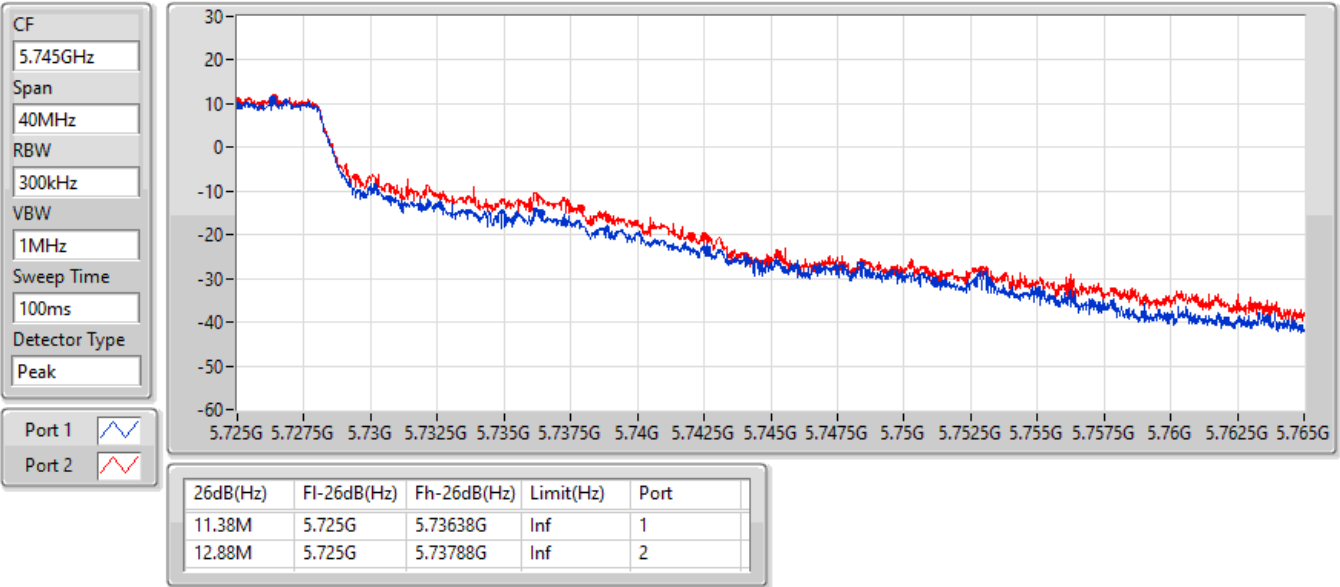
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

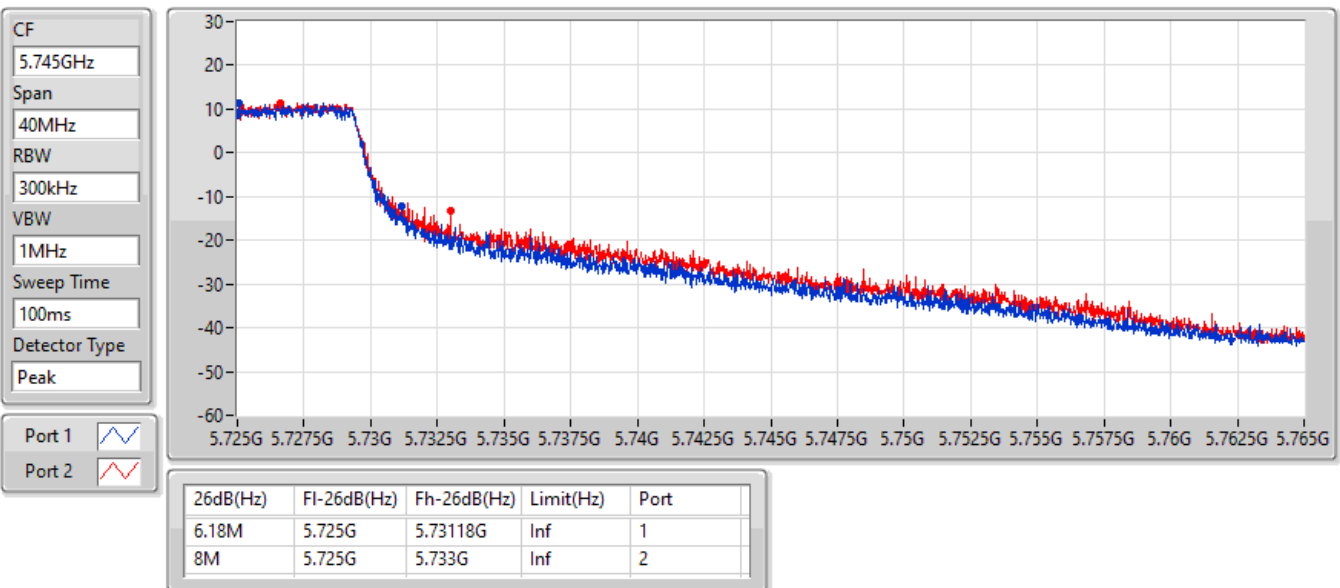


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021



802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

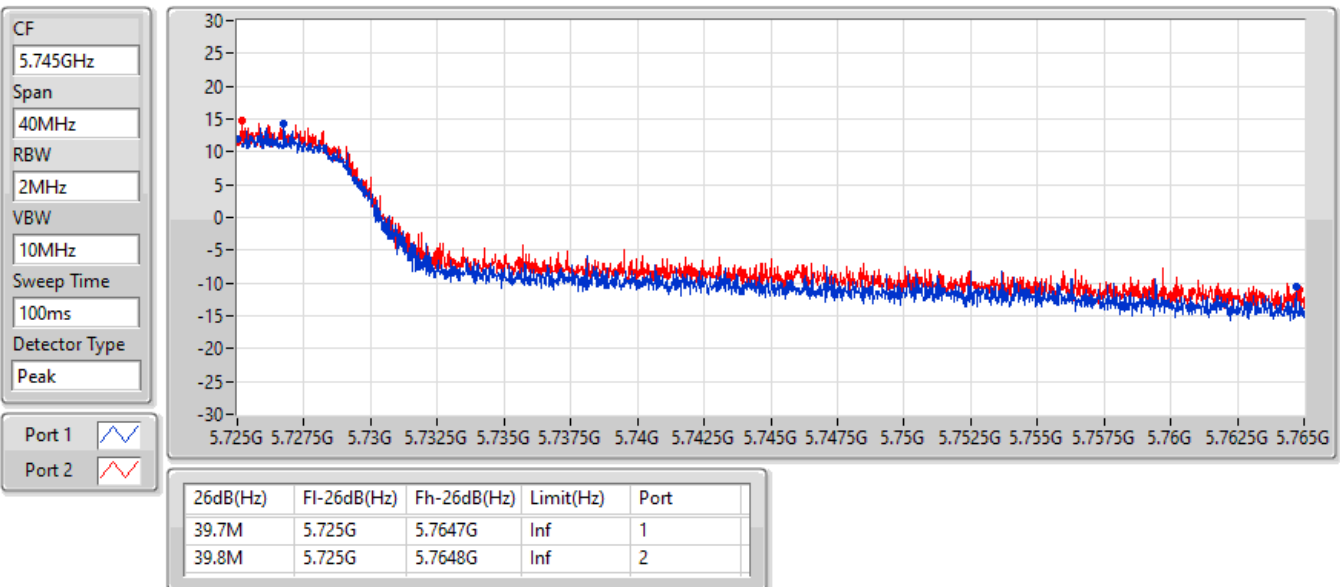


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	36.57M	18.261M	18M3D1D	15.165M	13.418M
802.11ax HEW20_Nss1,(MCS0)_4TX	41.91M	19.76M	19M8D1D	16.335M	14.648M
802.11ax HEW40_Nss1,(MCS0)_4TX	64.98M	38.321M	38M3D1D	35.35M	33.828M
802.11ax HEW80_Nss1,(MCS0)_4TX	94.8M	77.841M	77M8D1D	77.325M	73.463M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.12M	3.718M	3M72D1D	3.04M	3.578M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.48M	4.718M	4M72D1D	4.42M	4.638M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.08M	13.793M	13M8D1D	3.94M	6.177M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.02M	28.526M	28M5D1D	3.98M	25.047M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	20.88M	16.702M	20.7M	16.672M	20.67M	16.702M	20.73M	16.642M
5580MHz	Pass	Inf	36.57M	18.261M	25.95M	16.972M	28.98M	17.001M	26.1M	16.942M
5700MHz	Pass	Inf	20.61M	16.672M	20.55M	16.672M	20.16M	16.642M	20.46M	16.642M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.39M	13.448M	15.285M	13.418M	15.21M	13.418M	15.165M	13.433M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.04M	3.718M	3.12M	3.578M	3.1M	3.618M	3.1M	3.598M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	23.79M	19.25M	23.88M	19.19M	23.55M	19.16M	25.65M	19.22M
5580MHz	Pass	Inf	41.91M	19.76M	32.19M	19.43M	33.54M	19.37M	29.46M	19.4M
5700MHz	Pass	Inf	21.96M	19.13M	22.05M	19.13M	21.93M	19.13M	21.78M	19.13M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.785M	14.678M	16.485M	14.663M	16.59M	14.663M	16.335M	14.648M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.718M	4.44M	4.658M	4.42M	4.638M	4.48M	4.658M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.32M	37.781M	40.38M	37.781M	40.32M	37.781M	40.38M	37.781M
5550MHz	Pass	Inf	64.98M	38.321M	42.84M	38.141M	49.44M	38.141M	45.24M	38.201M
5670MHz	Pass	Inf	40.5M	37.781M	40.56M	37.841M	40.38M	37.781M	40.38M	37.841M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.805M	33.898M	35.77M	33.828M	35.49M	33.828M	35.35M	33.898M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	13.793M	3.94M	6.197M	3.94M	6.177M	3.96M	7.376M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	82.92M	77.241M	82.44M	77.241M	82.2M	77.361M	82.68M	77.481M
5610MHz	Pass	Inf	87.24M	77.841M	83.28M	77.721M	84.12M	77.601M	94.8M	77.721M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	86.175M	73.613M	85.35M	73.463M	77.325M	73.538M	89.625M	73.613M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	28.526M	3.98M	25.247M	4.02M	25.047M	4.02M	26.887M

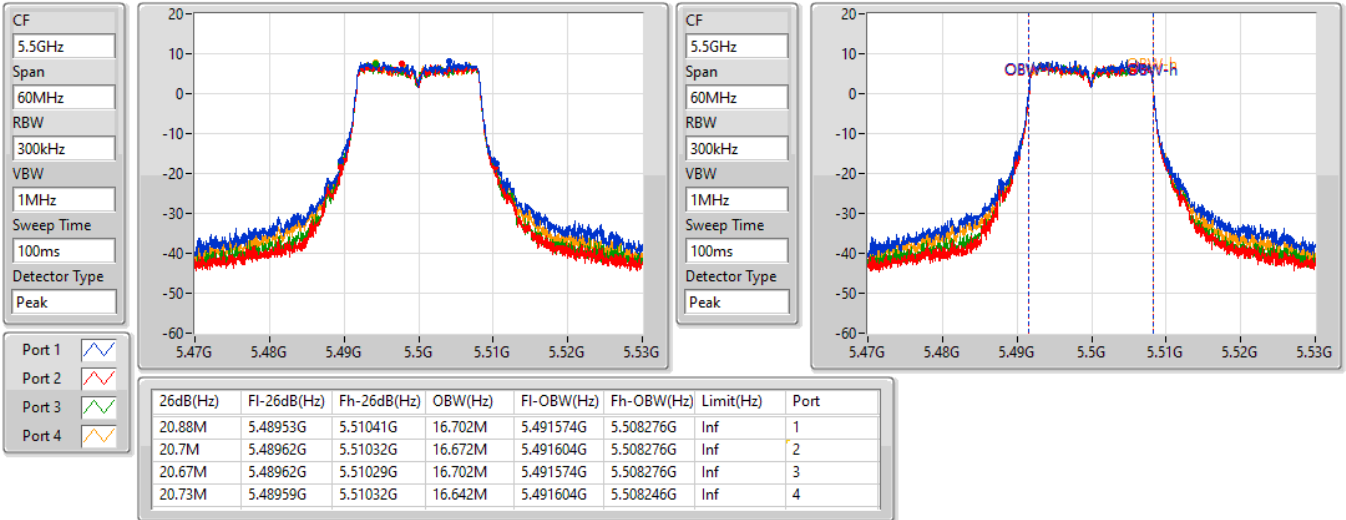
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

13/11/2021

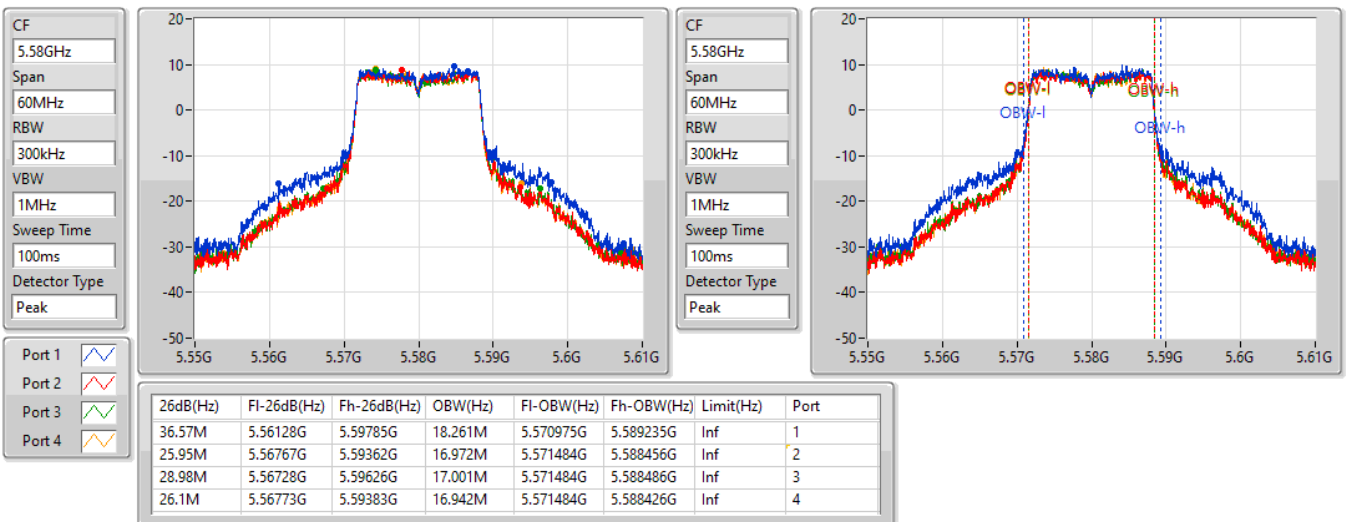


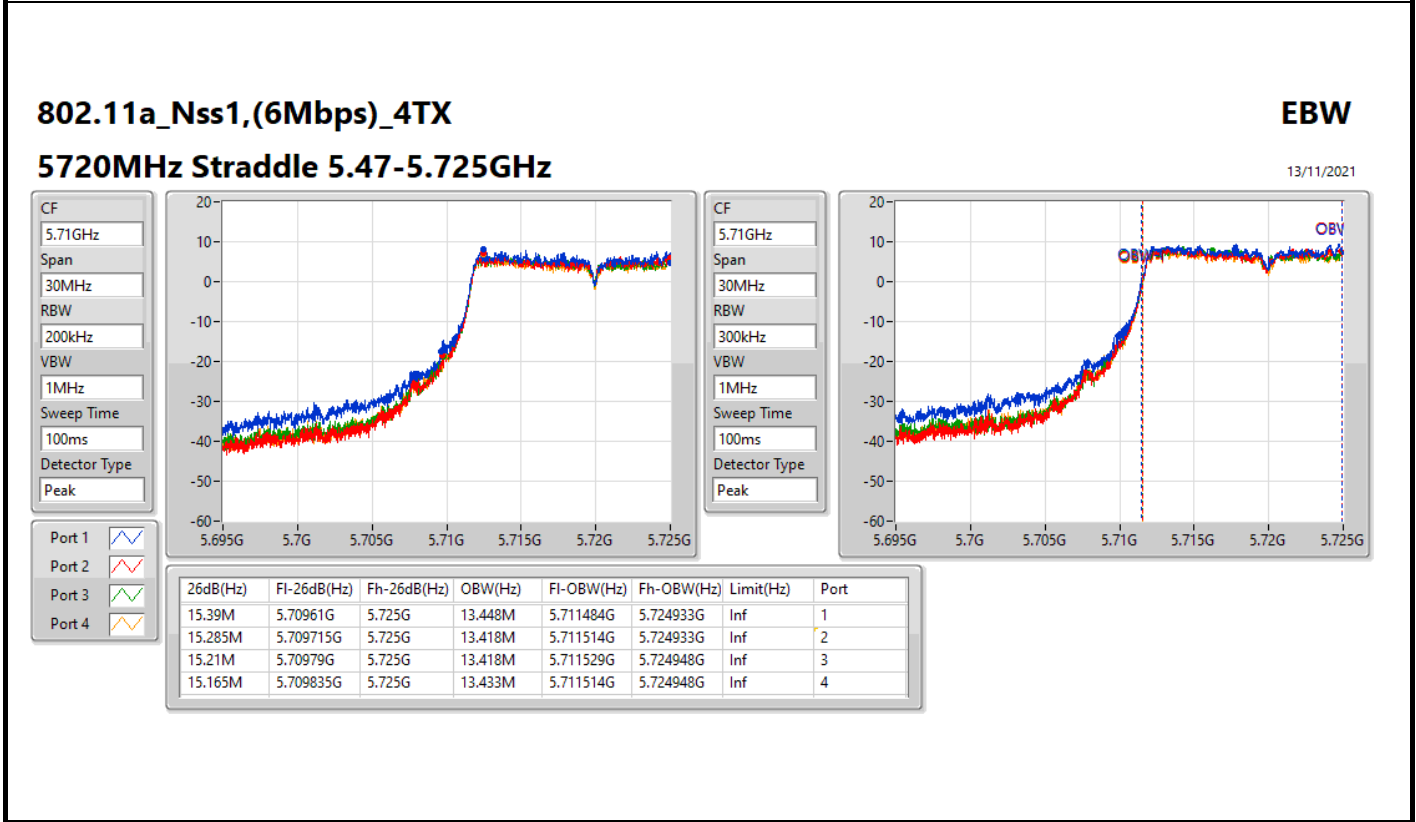
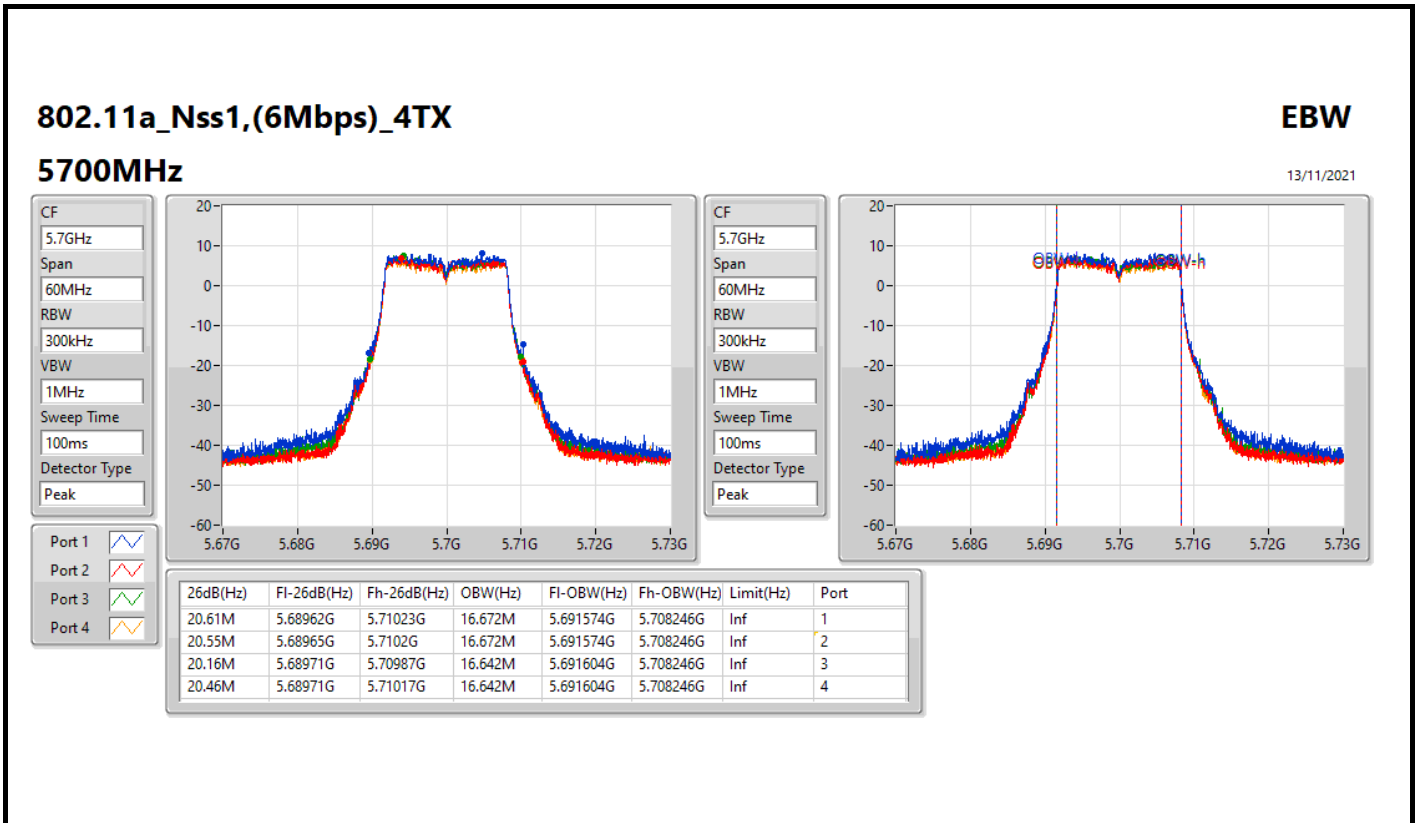
802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

13/11/2021





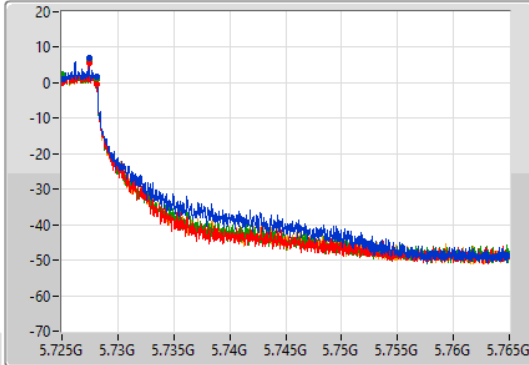
802.11a_Nss1,(6Mbps)_4TX

EBW

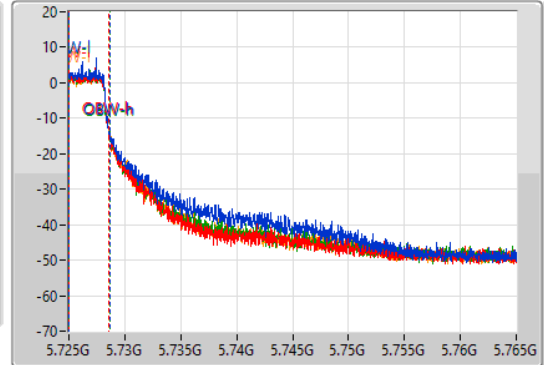
5720MHz Straddle 5.725-5.85GHz

13/11/2021

CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.04M	5.72506G	5.7281G	3.718M	5.72501G	5.728728G	500k	1
3.12M	5.725G	5.72812G	3.578M	5.72501G	5.728588G	500k	2
3.1M	5.725G	5.7281G	3.618M	5.72501G	5.728628G	500k	3
3.1M	5.725G	5.7281G	3.598M	5.72501G	5.728608G	500k	4

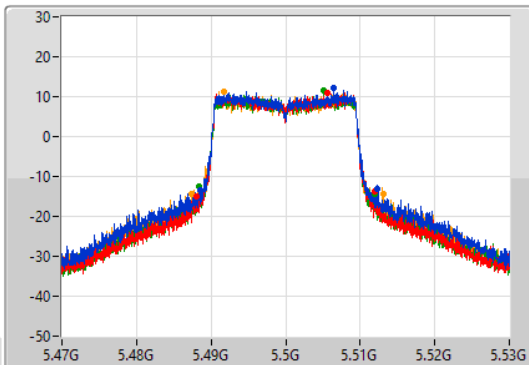
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

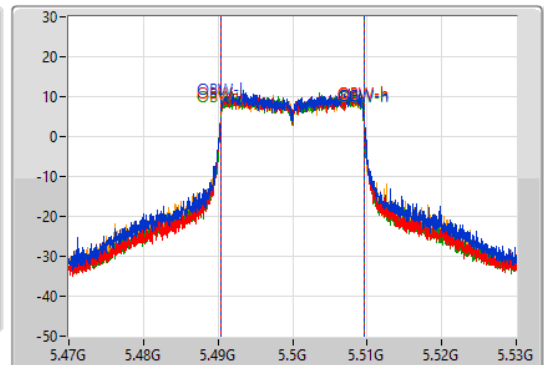
5500MHz

13/11/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.79M	5.48857G	5.51236G	19.25M	5.490345G	5.509595G	Inf	1
23.88M	5.488G	5.51188G	19.19M	5.490345G	5.509535G	Inf	2
23.55M	5.48839G	5.51194G	19.16M	5.490375G	5.509535G	Inf	3
25.65M	5.48746G	5.51311G	19.22M	5.490315G	5.509535G	Inf	4

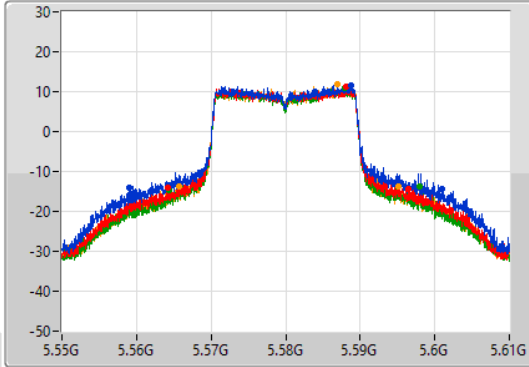
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

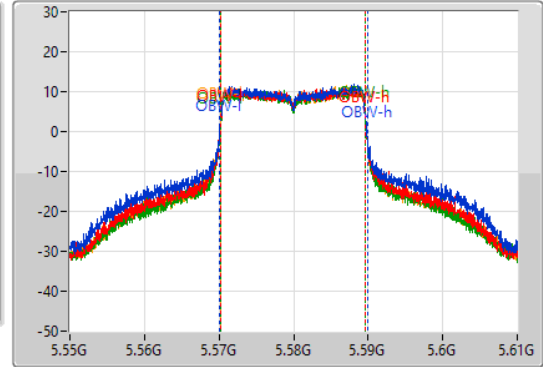
5580MHz

13/11/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.91M	5.55903G	5.60094G	19.76M	5.570105G	5.589865G	Inf	1
32.19M	5.56422G	5.59641G	19.43M	5.570225G	5.589655G	Inf	2
33.54M	5.5644G	5.59794G	19.37M	5.570285G	5.589655G	Inf	3
29.46M	5.56572G	5.59518G	19.4M	5.570255G	5.589655G	Inf	4

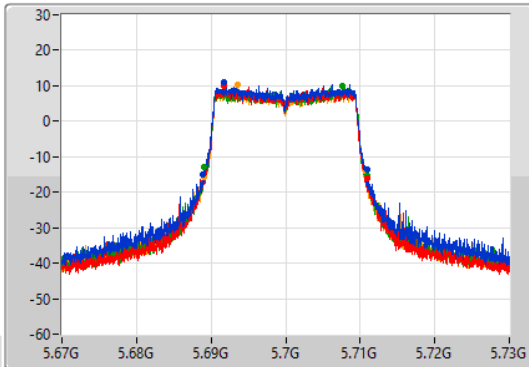
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

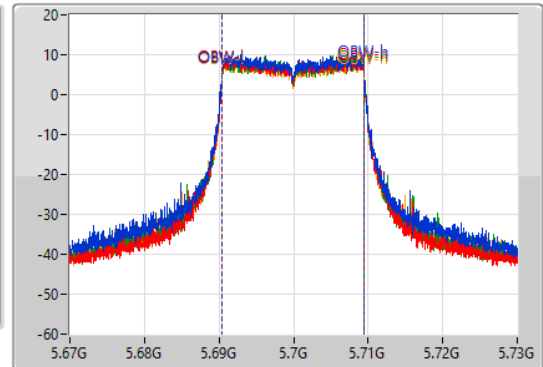
5700MHz

13/11/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

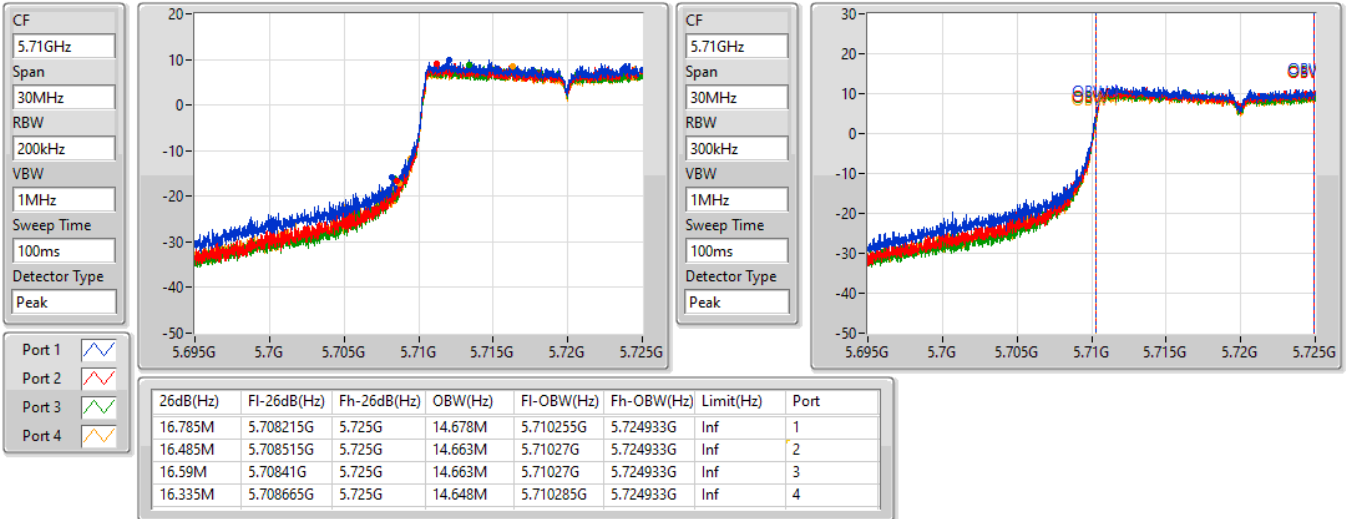
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.96M	5.68893G	5.71089G	19.13M	5.690345G	5.709475G	Inf	1
22.05M	5.68896G	5.71101G	19.13M	5.690375G	5.709505G	Inf	2
21.93M	5.68905G	5.71098G	19.13M	5.690375G	5.709505G	Inf	3
21.78M	5.68902G	5.7108G	19.13M	5.690375G	5.709505G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

13/11/2021

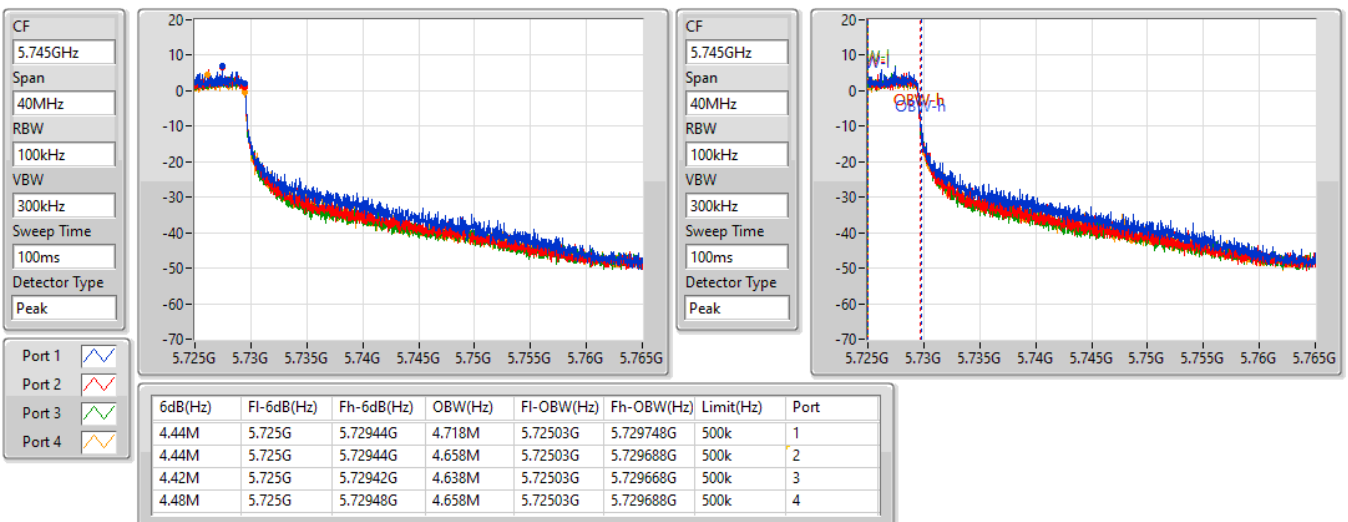


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

13/11/2021



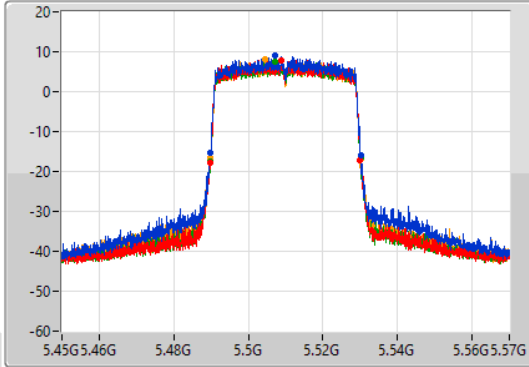
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

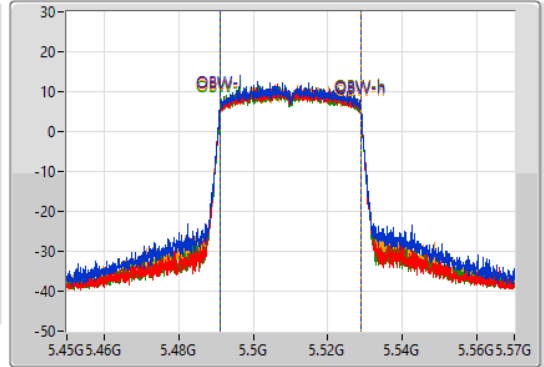
5510MHz

13/11/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.48978G	5.5301G	37.781M	5.491049G	5.528831G	Inf	1
40.38M	5.48966G	5.53004G	37.781M	5.491049G	5.528831G	Inf	2
40.32M	5.48978G	5.5301G	37.781M	5.491049G	5.528831G	Inf	3
40.38M	5.48984G	5.53022G	37.781M	5.491049G	5.528831G	Inf	4

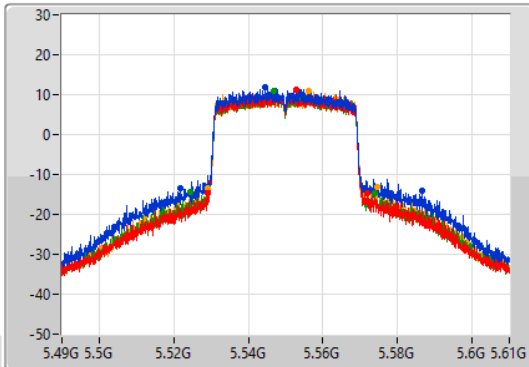
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

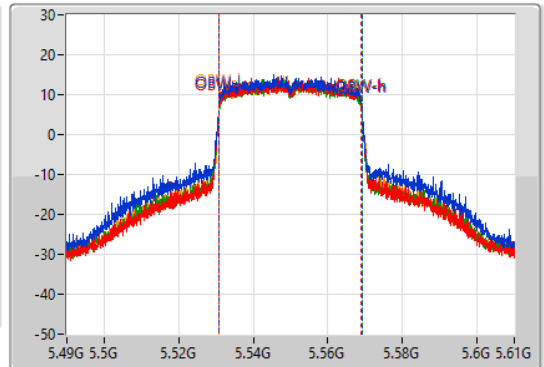
5550MHz

13/11/2021

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
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
64.98M	5.52162G	5.5866G	38.321M	5.53081G	5.56913G	Inf	1
42.84M	5.529G	5.57184G	38.141M	5.53087G	5.56901G	Inf	2
49.44M	5.5245G	5.57394G	38.141M	5.53093G	5.56907G	Inf	3
45.24M	5.52918G	5.57442G	38.201M	5.53087G	5.56907G	Inf	4

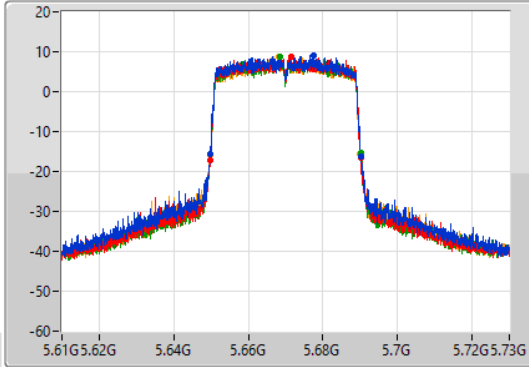
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

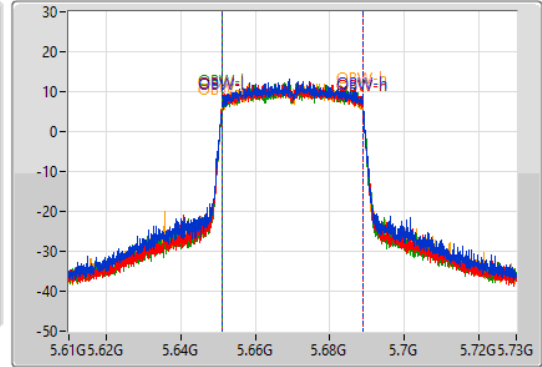
5670MHz

13/11/2021

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: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	5.64978G	5.69028G	37.781M	5.651109G	5.688891G	Inf	1
40.56M	5.64966G	5.69022G	37.841M	5.65099G	5.688831G	Inf	2
40.38M	5.64978G	5.69016G	37.781M	5.651049G	5.688831G	Inf	3
40.38M	5.64966G	5.69004G	37.841M	5.651049G	5.688891G	Inf	4

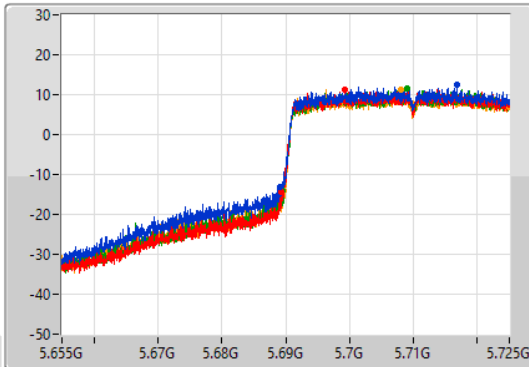
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

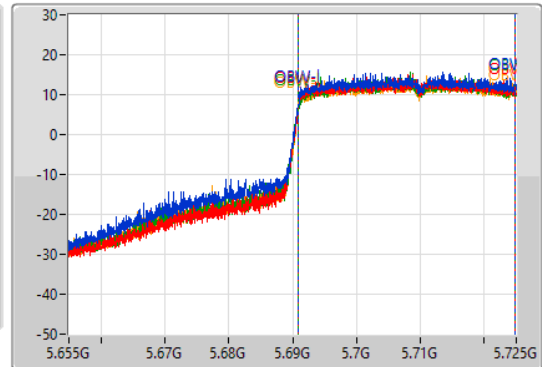
5710MHz Straddle 5.47-5.725GHz

13/11/2021

CF: 5.69GHz
 Span: 70MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.69GHz
 Span: 70MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.805M	5.689195G	5.725G	33.898M	5.69091G	5.724808G	Inf	1
35.77M	5.68923G	5.725G	33.828M	5.690945G	5.724773G	Inf	2
35.49M	5.68951G	5.725G	33.828M	5.690945G	5.724773G	Inf	3
35.35M	5.68965G	5.725G	33.898M	5.69091G	5.724808G	Inf	4

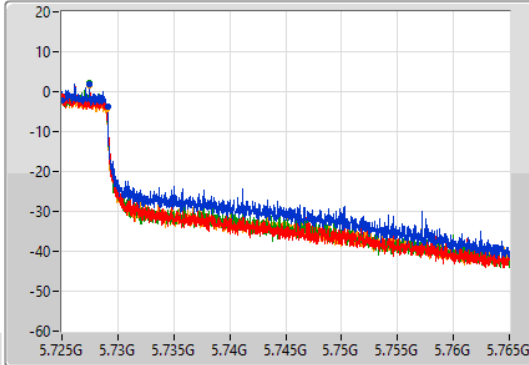
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

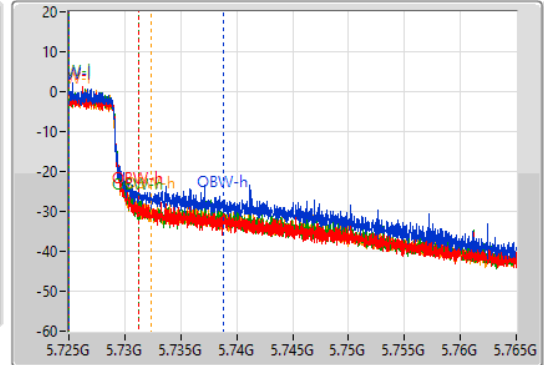
5710MHz Straddle 5.725-5.85GHz

13/11/2021

CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.745GHz
Span
40MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.08M	5.725G	5.72908G	13.793M	5.72503G	5.738823G	500k	1
3.94M	5.725G	5.72894G	6.197M	5.72501G	5.731207G	500k	2
3.94M	5.725G	5.72894G	6.177M	5.72503G	5.731207G	500k	3
3.96M	5.725G	5.72896G	7.376M	5.72503G	5.732406G	500k	4

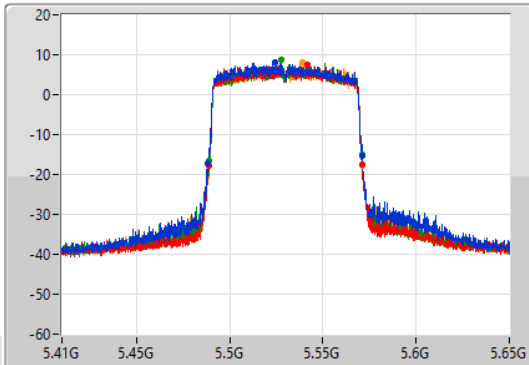
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

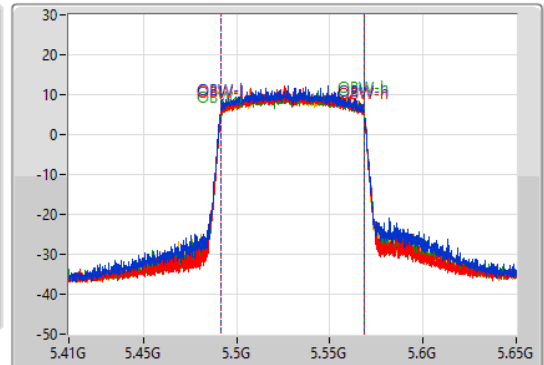
5530MHz

13/11/2021

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

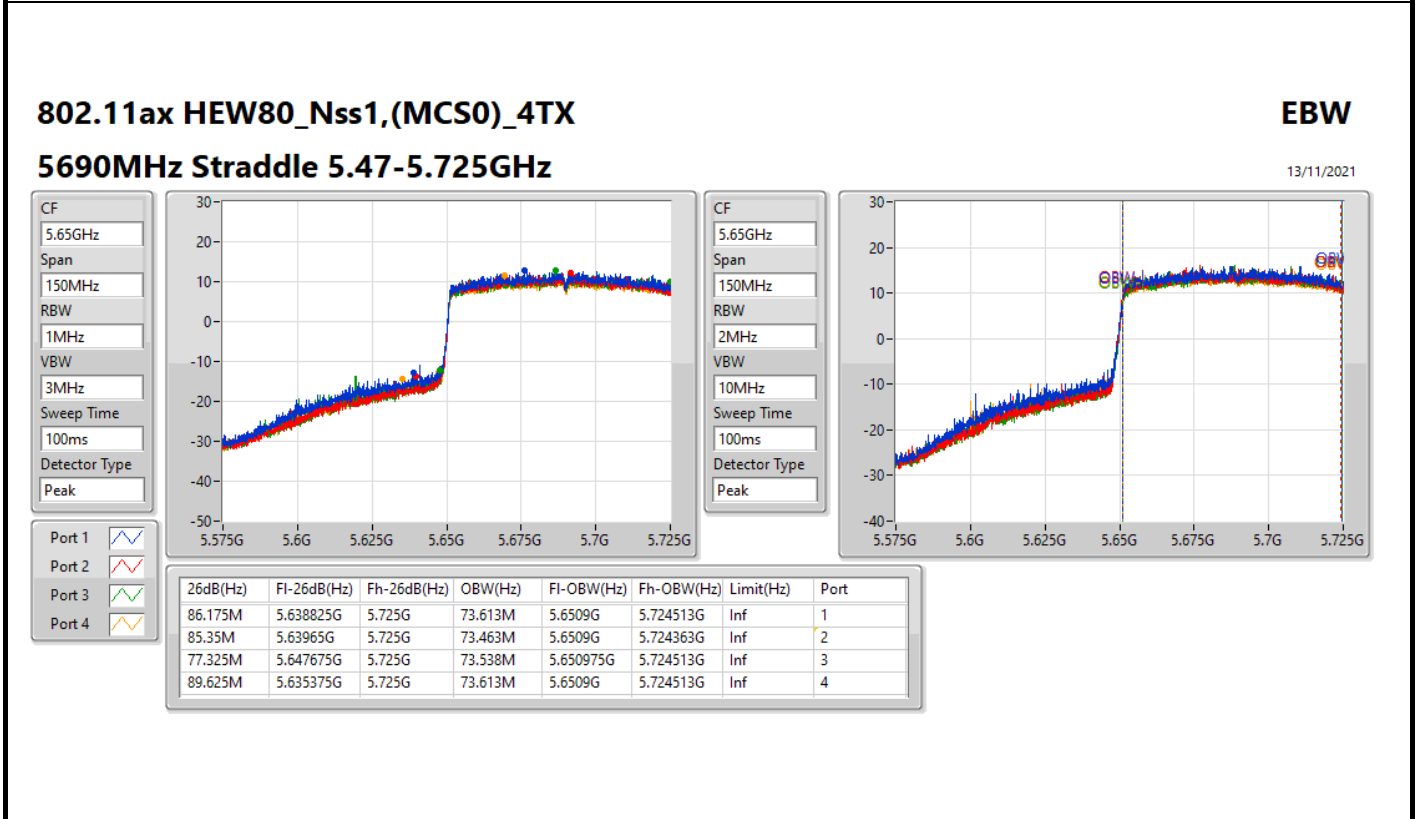
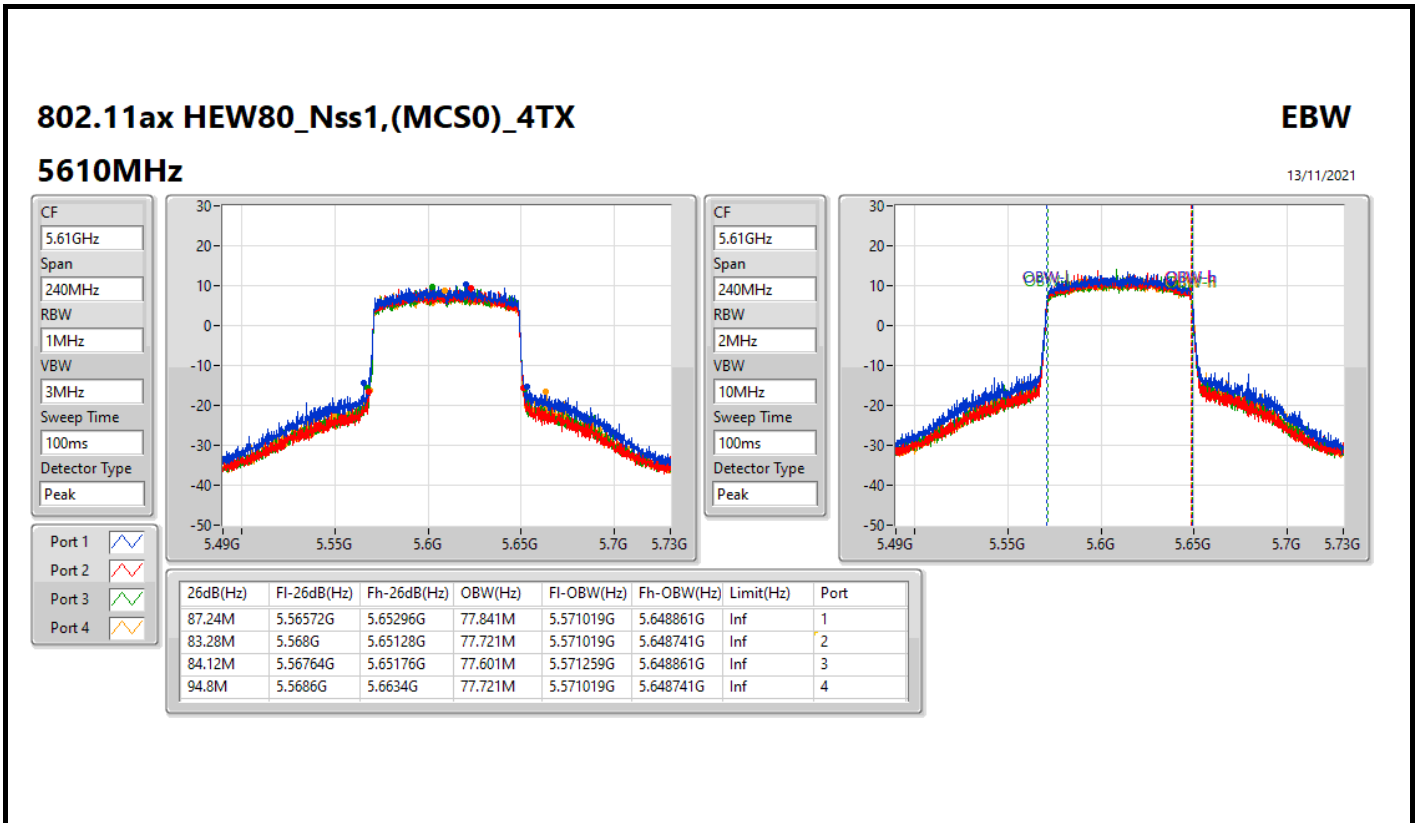


CF
5.53GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.92M	5.48824G	5.57116G	77.241M	5.491259G	5.568501G	Inf	1
82.44M	5.4886G	5.57104G	77.241M	5.491259G	5.568501G	Inf	2
82.2M	5.48872G	5.57092G	77.361M	5.491259G	5.568621G	Inf	3
82.68M	5.48848G	5.57116G	77.481M	5.491259G	5.568741G	Inf	4

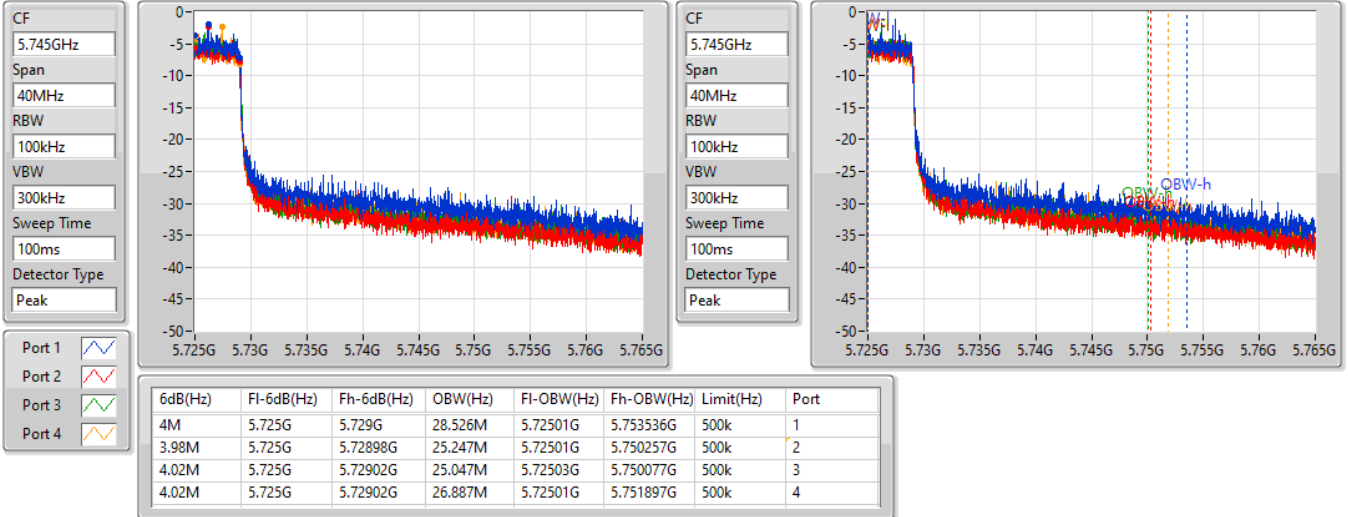


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

13/11/2021





Summary

Mode	Max-N dB (Hz)	ITU-Code	Min-N dB (Hz)
5.725-5.85GHz	-	-	-
802.11a_Nss1,(6Mbps)_4TX	5.74M	5M74D1D	5.32M
802.11ax HEW20_Nss1,(MCS0)_4TX	7.92M	7M92D1D	6M
802.11ax HEW40_Nss1,(MCS0)_4TX	13.5M	13M5D1D	11.56M
802.11ax HEW80_Nss1,(MCS0)_4TX	39.76M	39M8D1D	31.84M

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 2-N dB (Hz)	Port 3-N dB (Hz)	Port 4-N dB (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	5.58M	5.74M	5.32M	5.54M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	Inf	6.22M	7.92M	6M	6.18M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	Inf	12.12M	13.04M	11.56M	13.5M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	Inf	34.92M	39.76M	33.1M	31.84M

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)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

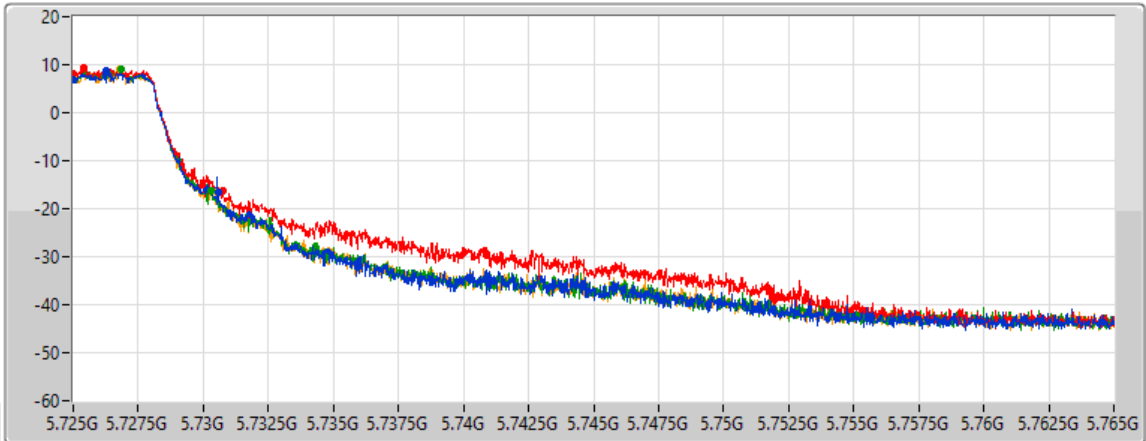
Span
40MHz


RBW
300kHz


VBW
1MHz


Sweep Time
100ms


Detector Type
Peak



Port 1 

Port 2 

Port 3 

Port 4 

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.58M	5.725G	5.73058G	Inf	1
5.74M	5.725G	5.73074G	Inf	2
5.32M	5.725G	5.73032G	Inf	3
5.54M	5.725G	5.73054G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

17/12/2021

CF
5.745GHz

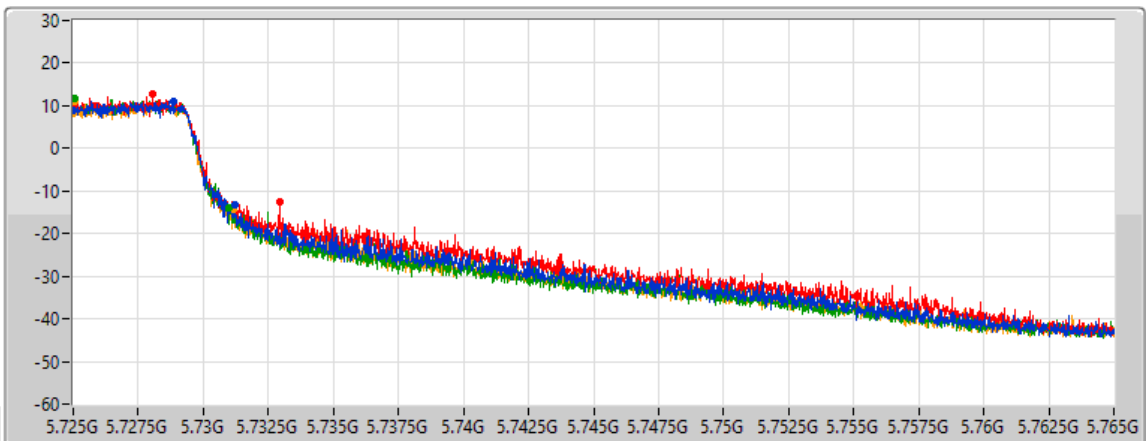
Span
40MHz


RBW
300kHz


VBW
1MHz


Sweep Time
100ms


Detector Type
Peak



Port 1 

Port 2 

Port 3 

Port 4 

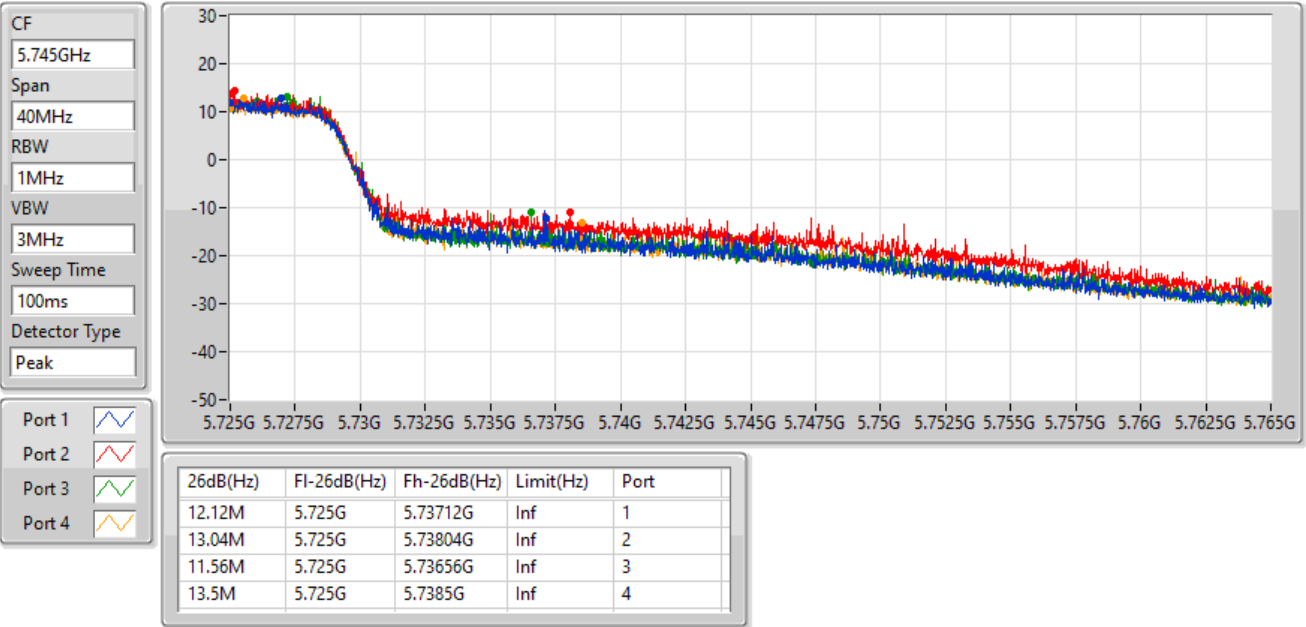
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
6.22M	5.725G	5.73122G	Inf	1
7.92M	5.725G	5.73292G	Inf	2
6M	5.725G	5.731G	Inf	3
6.18M	5.725G	5.73118G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

17/12/2021

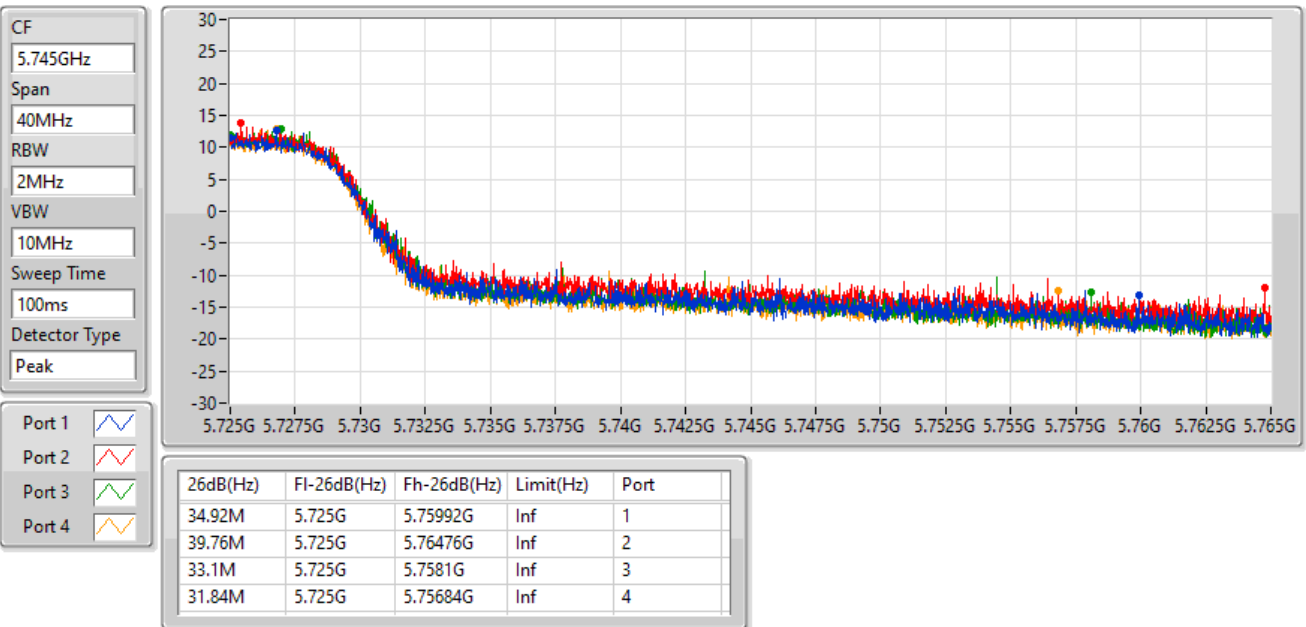


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

17/12/2021





Summary

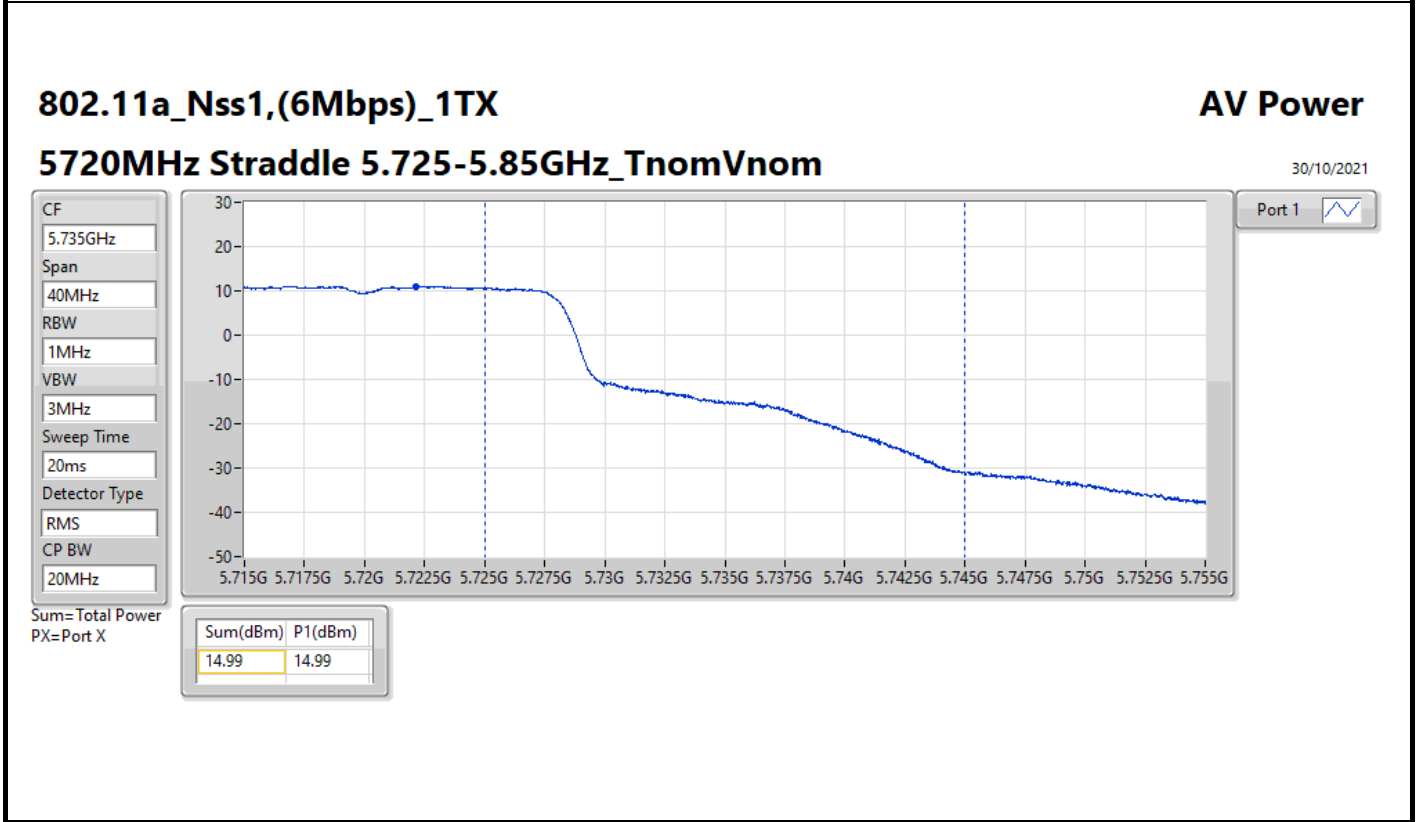
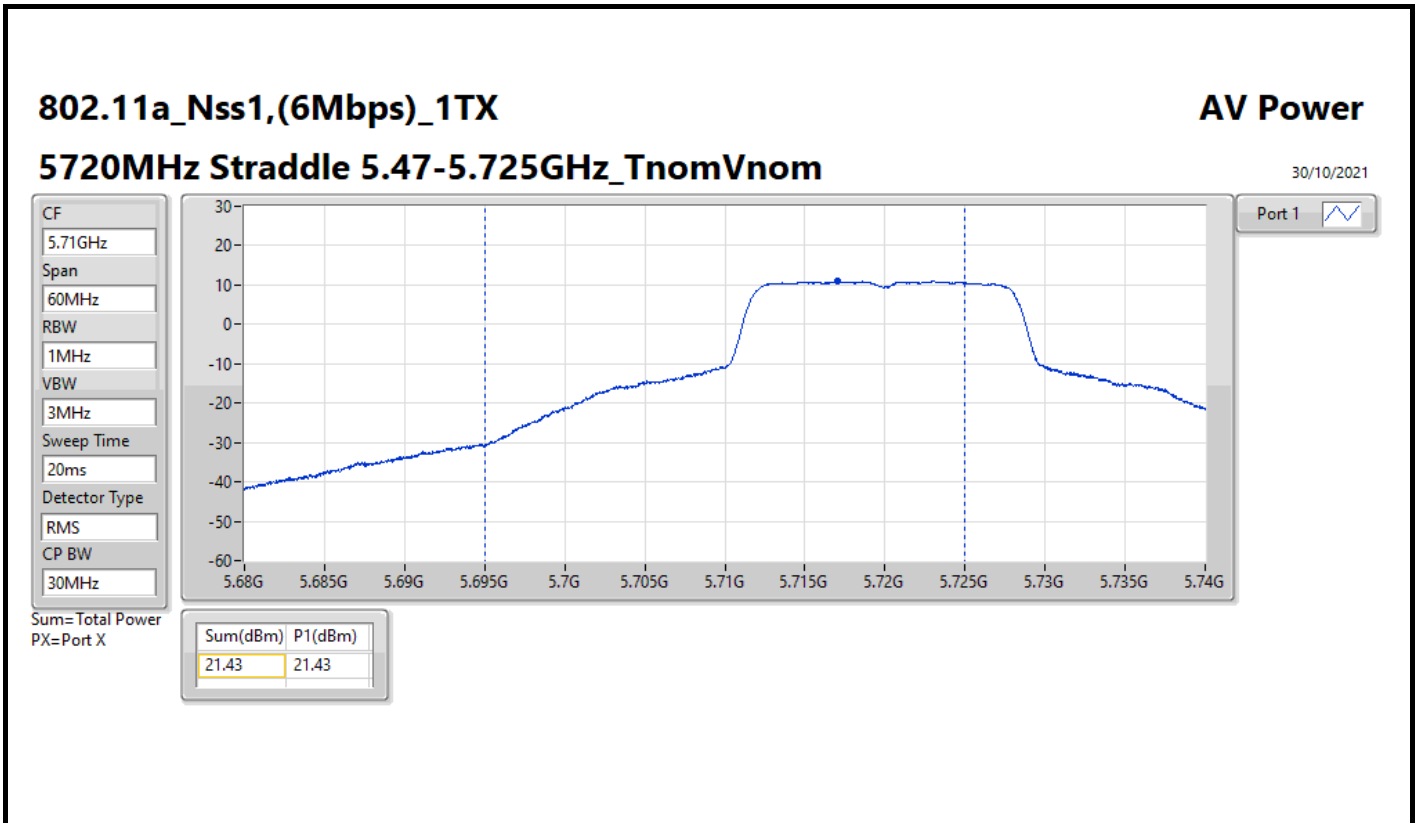
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	22.15	0.16406
802.11ax HEW20_Nss1,(MCS0)_1TX	22.00	0.15849
802.11ax HEW40_Nss1,(MCS0)_1TX	21.98	0.15776
802.11ax HEW80_Nss1,(MCS0)_1TX	17.50	0.05623
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.43	0.13900
802.11ax HEW20_Nss1,(MCS0)_1TX	22.09	0.16181
802.11ax HEW40_Nss1,(MCS0)_1TX	22.13	0.16331
802.11ax HEW80_Nss1,(MCS0)_1TX	22.19	0.16558
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	14.99	0.03155
802.11ax HEW20_Nss1,(MCS0)_1TX	22.22	0.16672
802.11ax HEW40_Nss1,(MCS0)_1TX	12.17	0.01648
802.11ax HEW80_Nss1,(MCS0)_1TX	8.64	0.00731

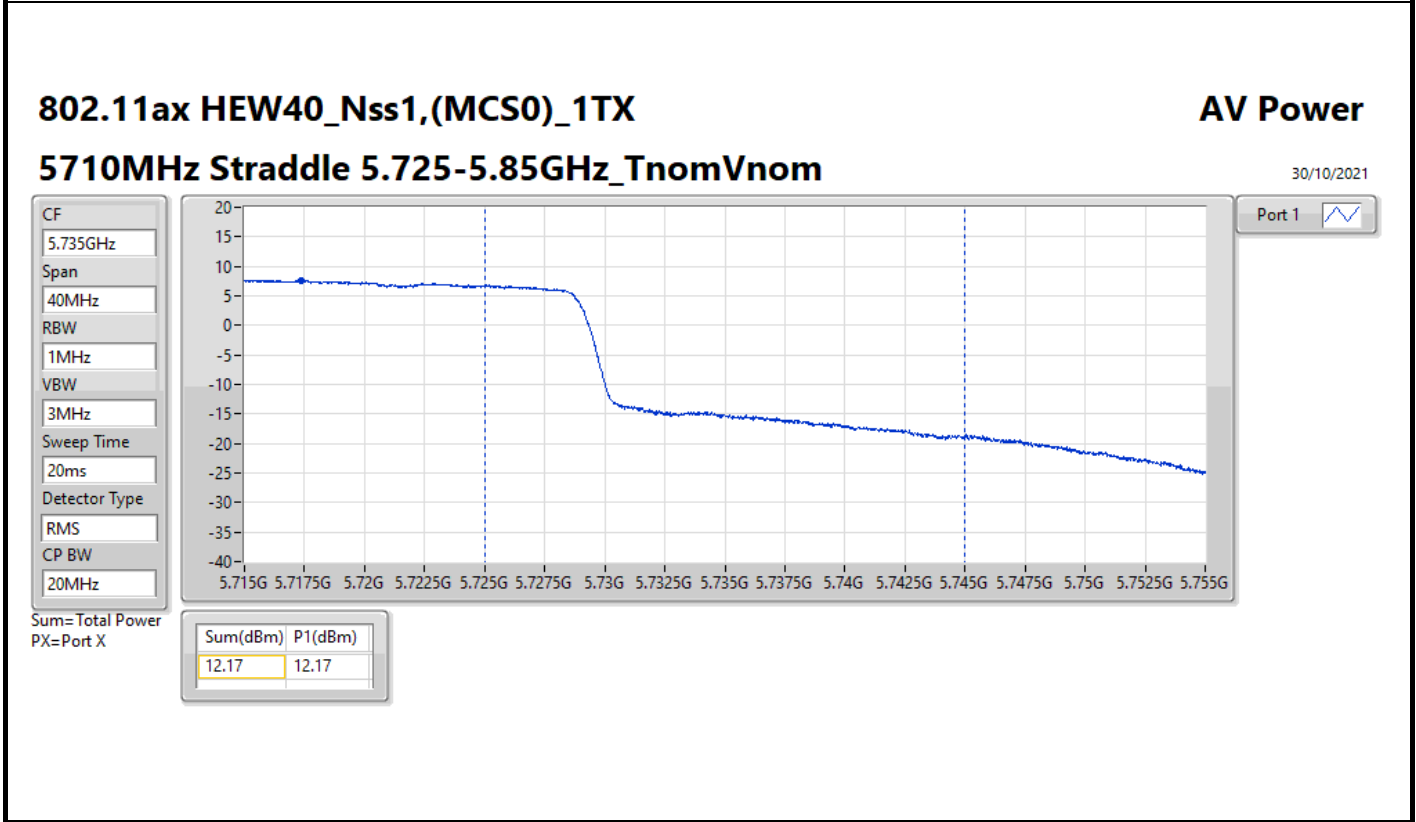
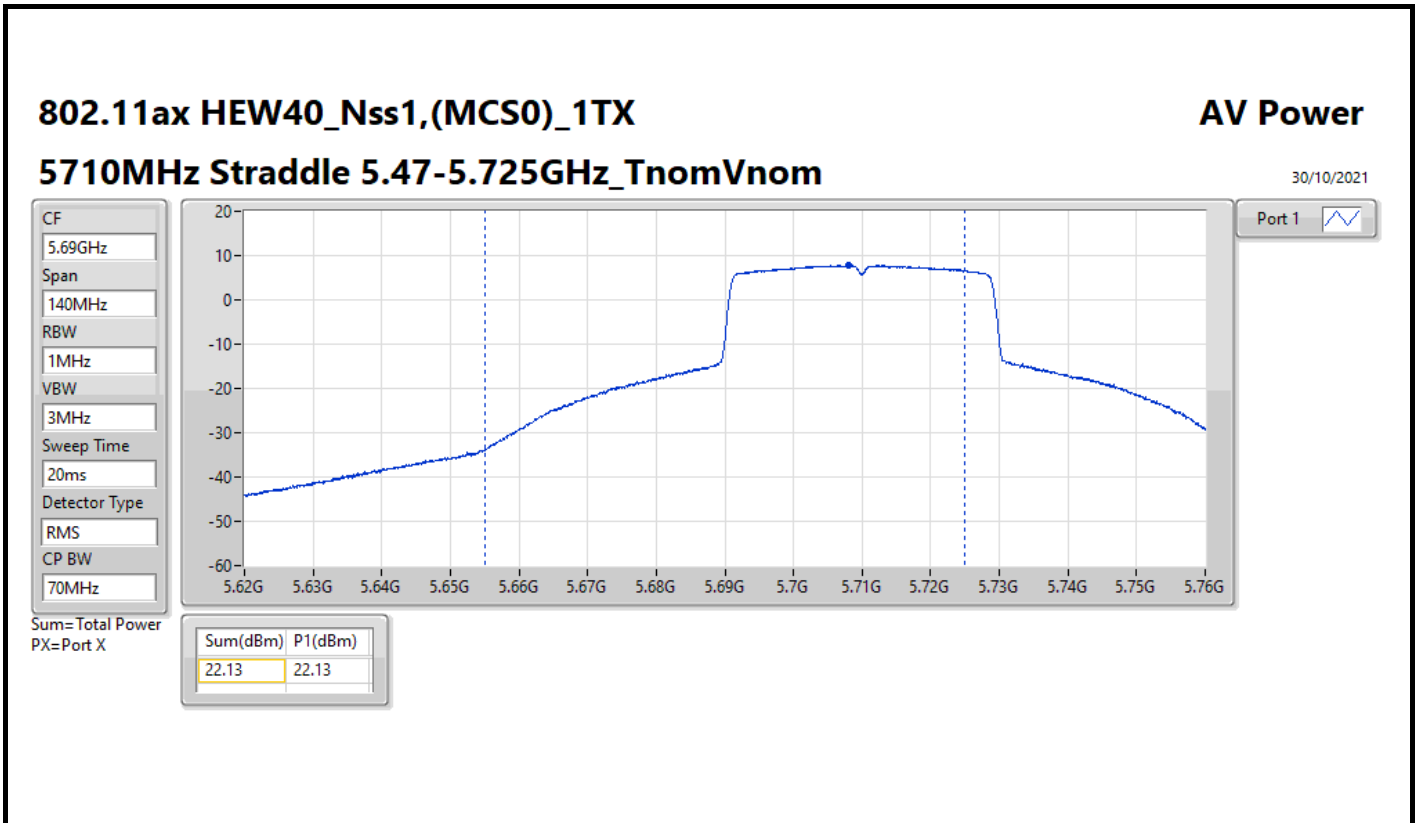


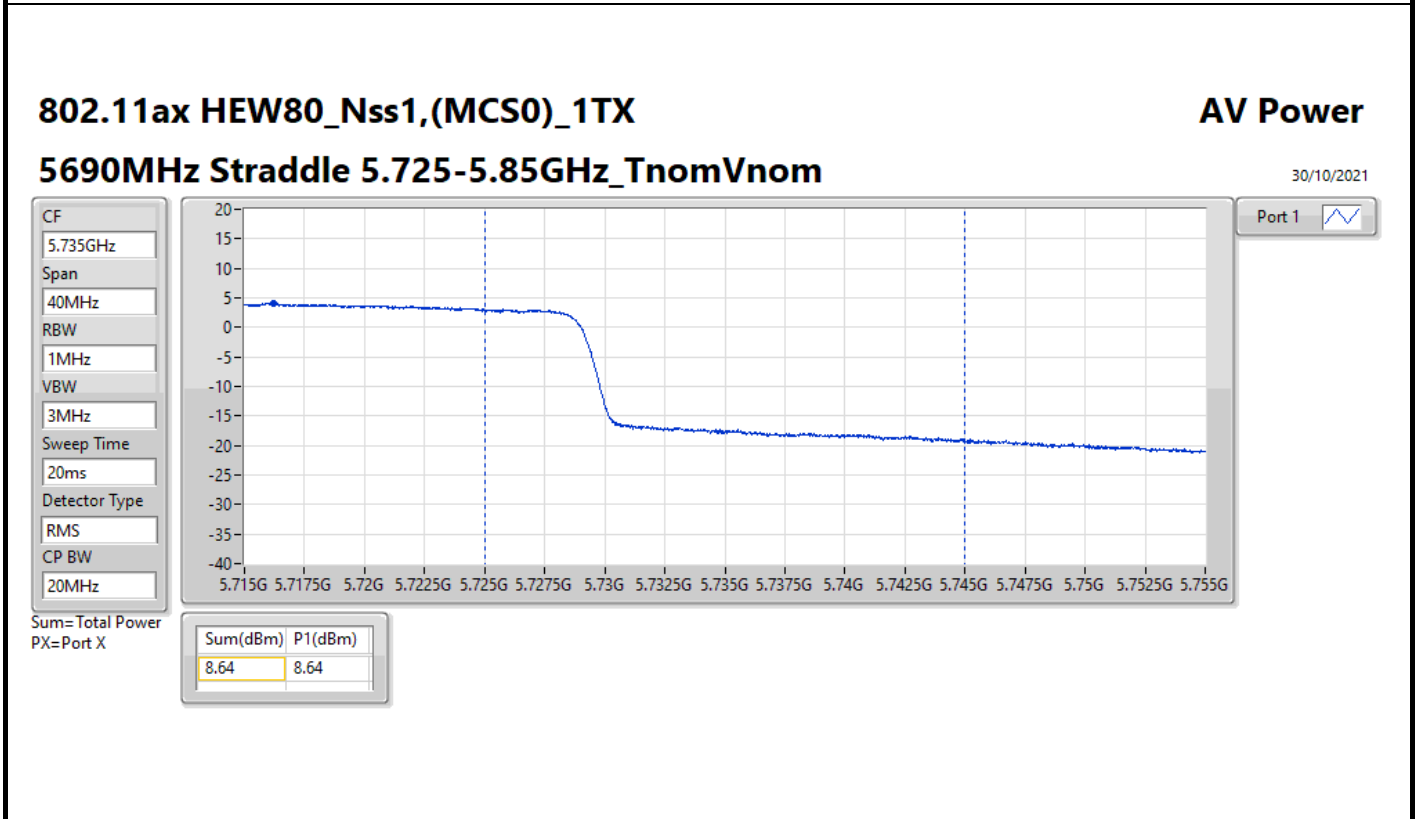
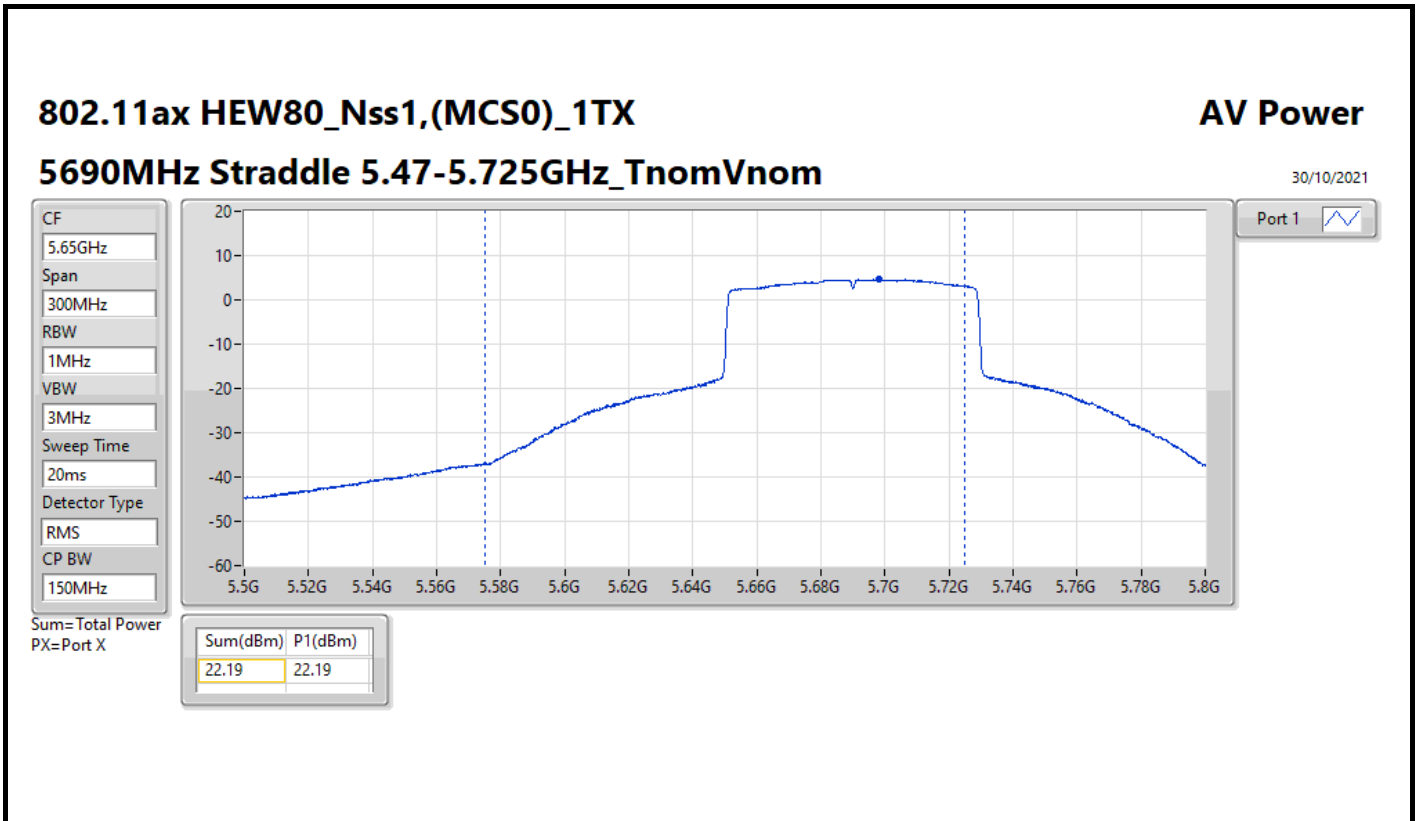
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	1.70	22.15	22.15	23.98
5300MHz	Pass	1.70	21.44	21.44	23.98
5320MHz	Pass	1.70	19.59	19.59	23.98
5500MHz	Pass	1.44	20.93	20.93	23.98
5580MHz	Pass	1.44	21.14	21.14	23.98
5700MHz	Pass	1.44	19.33	19.33	23.93
5720MHz Straddle 5.47-5.725GHz	Pass	1.44	21.43	21.43	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	1.61	14.99	14.99	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	1.70	22.00	22.00	23.98
5300MHz	Pass	1.70	21.56	21.56	23.98
5320MHz	Pass	1.70	19.42	19.42	23.98
5500MHz	Pass	1.44	20.55	20.55	23.98
5580MHz	Pass	1.44	21.13	21.13	23.98
5700MHz	Pass	1.44	19.33	19.33	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	1.44	22.09	22.09	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	1.61	22.22	22.22	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	1.70	21.98	21.98	23.98
5310MHz	Pass	1.70	17.39	17.39	23.98
5510MHz	Pass	1.44	18.87	18.87	23.98
5550MHz	Pass	1.44	21.66	21.66	23.98
5670MHz	Pass	1.44	20.27	20.27	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	1.44	22.13	22.13	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	1.61	12.17	12.17	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	1.70	17.50	17.50	23.98
5530MHz	Pass	1.44	17.32	17.32	23.98
5610MHz	Pass	1.44	20.72	20.72	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	1.44	22.19	22.19	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	1.61	8.64	8.64	30.00

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









Summary

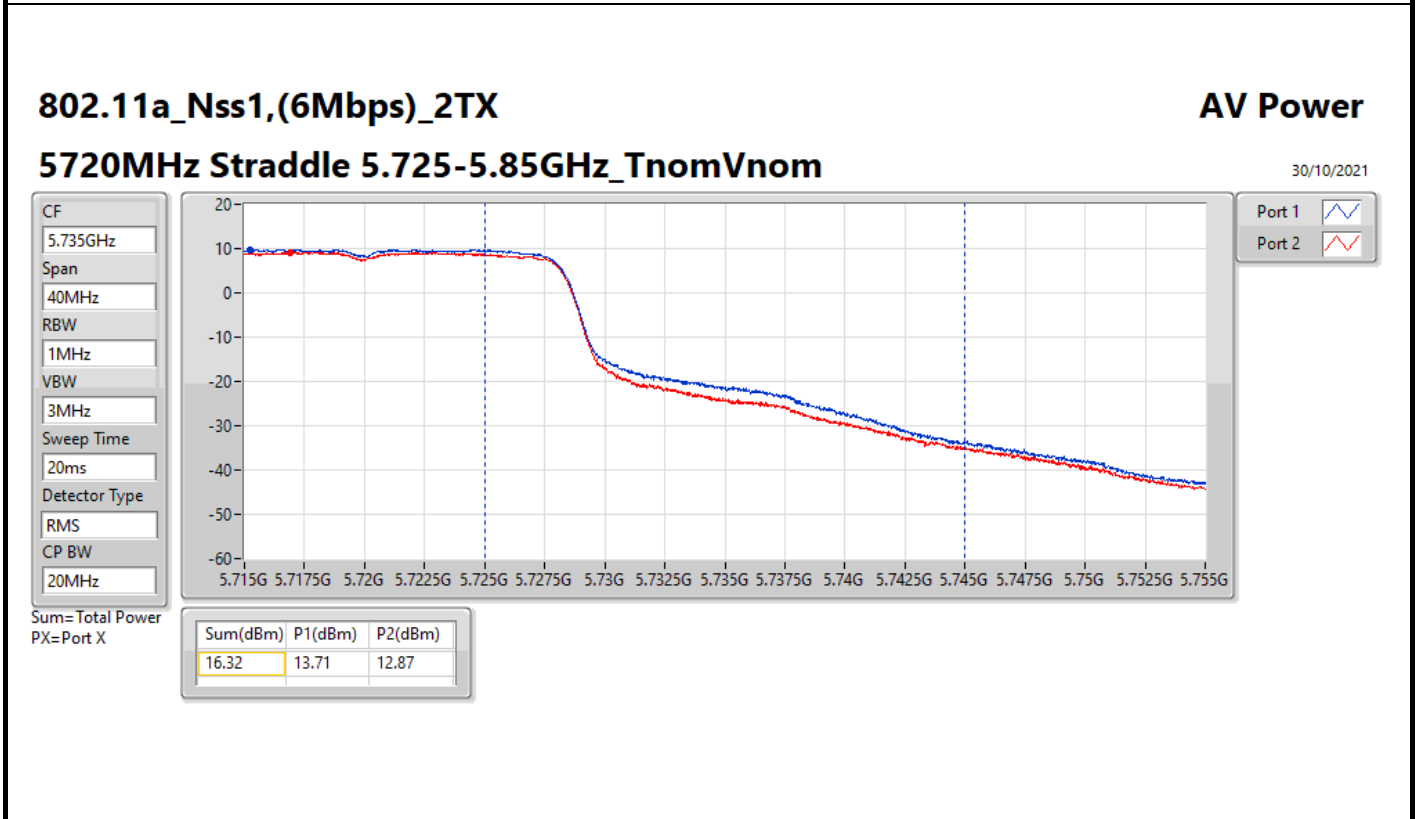
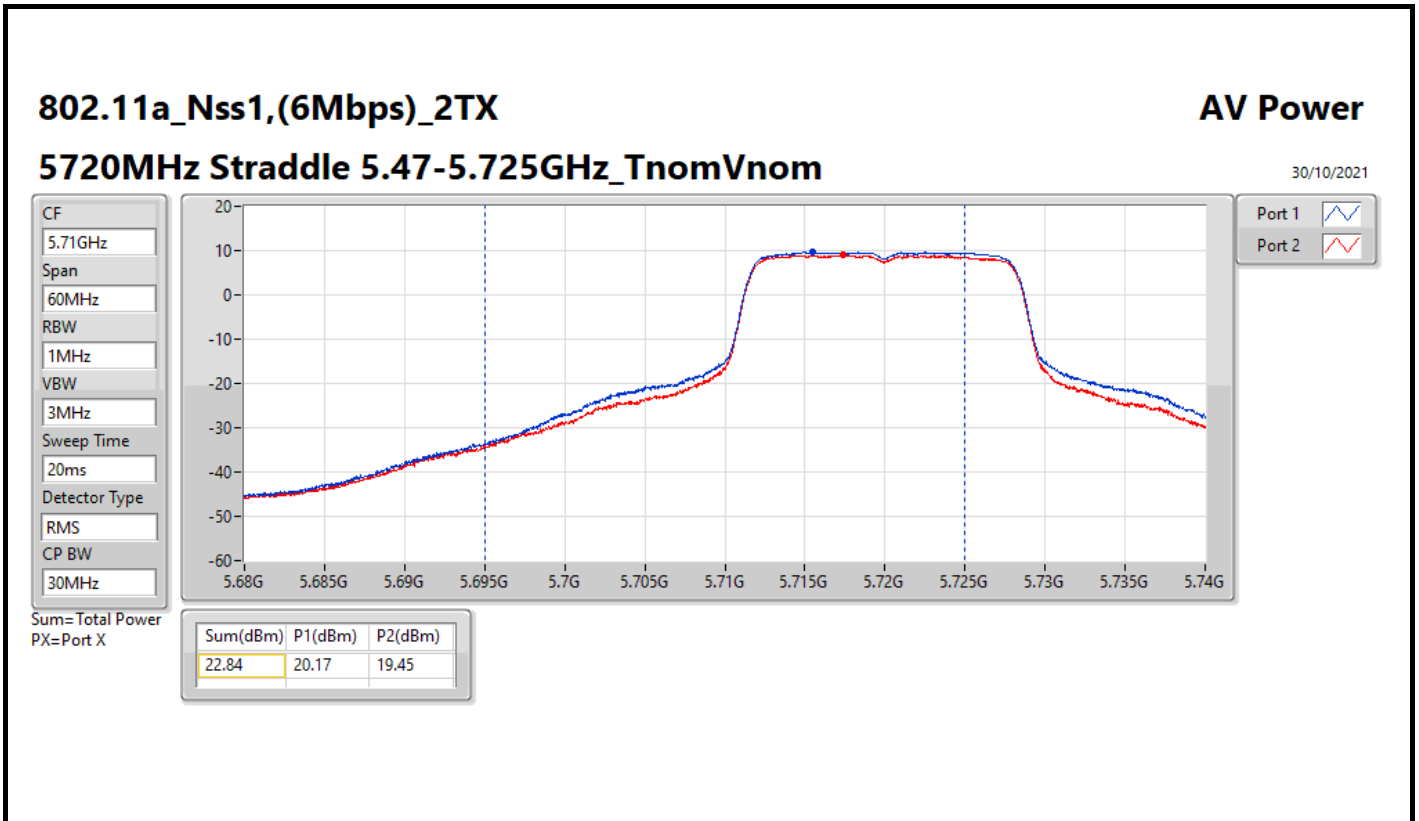
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.46	0.22182
802.11ax HEW20_Nss1,(MCS0)_2TX	23.86	0.24322
802.11ax HEW40_Nss1,(MCS0)_2TX	23.52	0.22491
802.11ax HEW80_Nss1,(MCS0)_2TX	19.75	0.09441
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.36	0.21677
802.11ax HEW20_Nss1,(MCS0)_2TX	23.92	0.24660
802.11ax HEW40_Nss1,(MCS0)_2TX	23.79	0.23933
802.11ax HEW80_Nss1,(MCS0)_2TX	23.85	0.24266
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.32	0.04285
802.11ax HEW20_Nss1,(MCS0)_2TX	17.49	0.05610
802.11ax HEW40_Nss1,(MCS0)_2TX	13.52	0.02249
802.11ax HEW80_Nss1,(MCS0)_2TX	9.91	0.00979

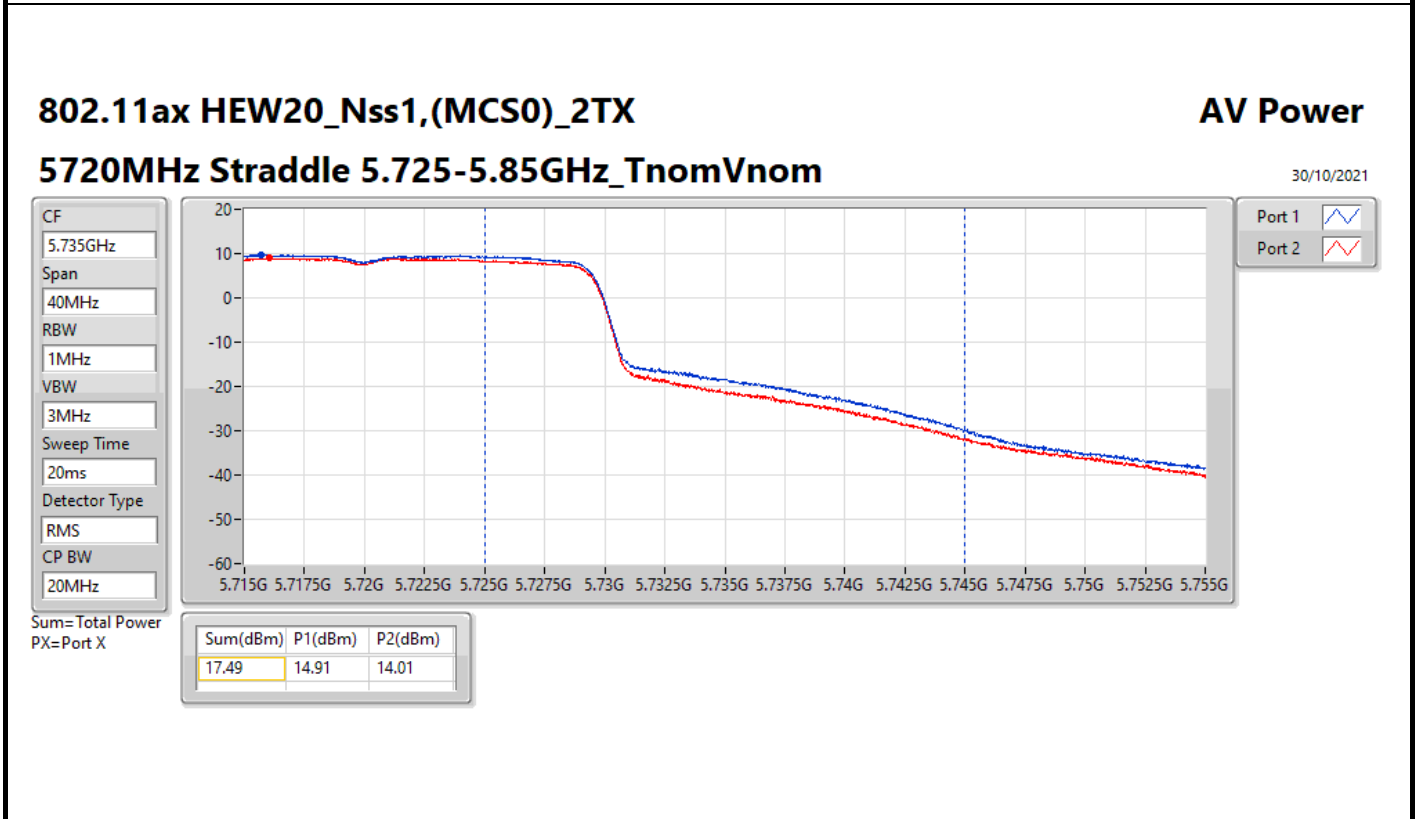
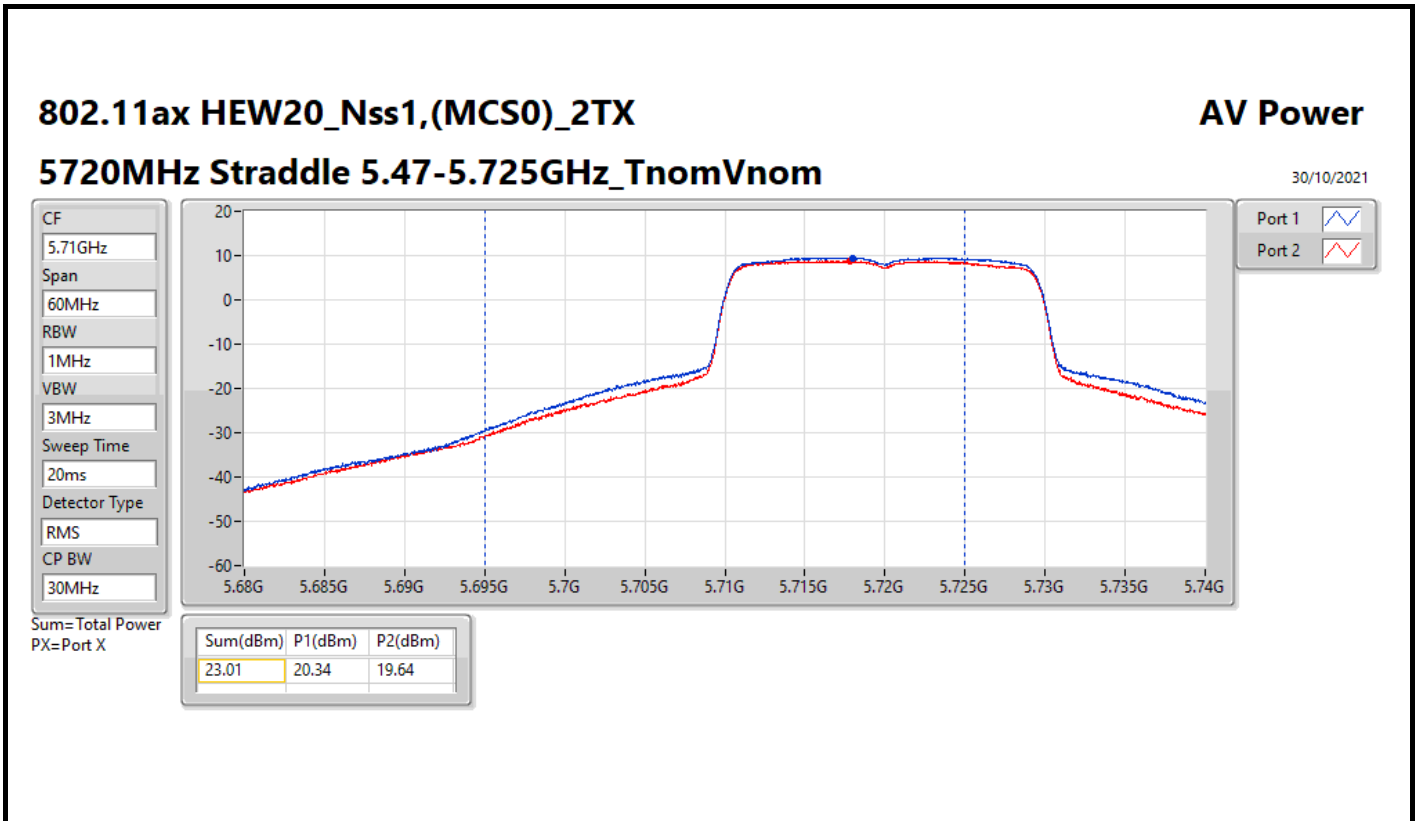


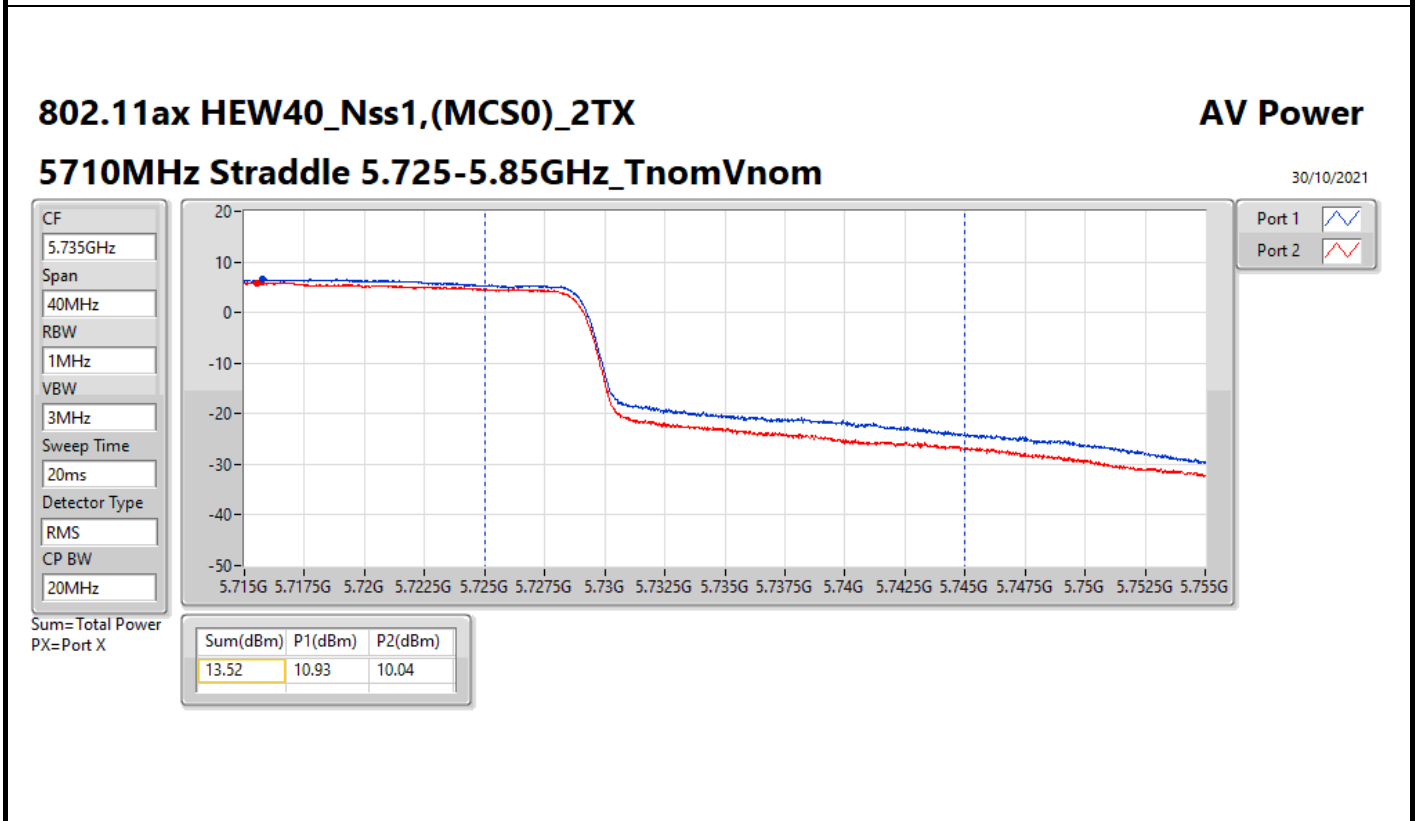
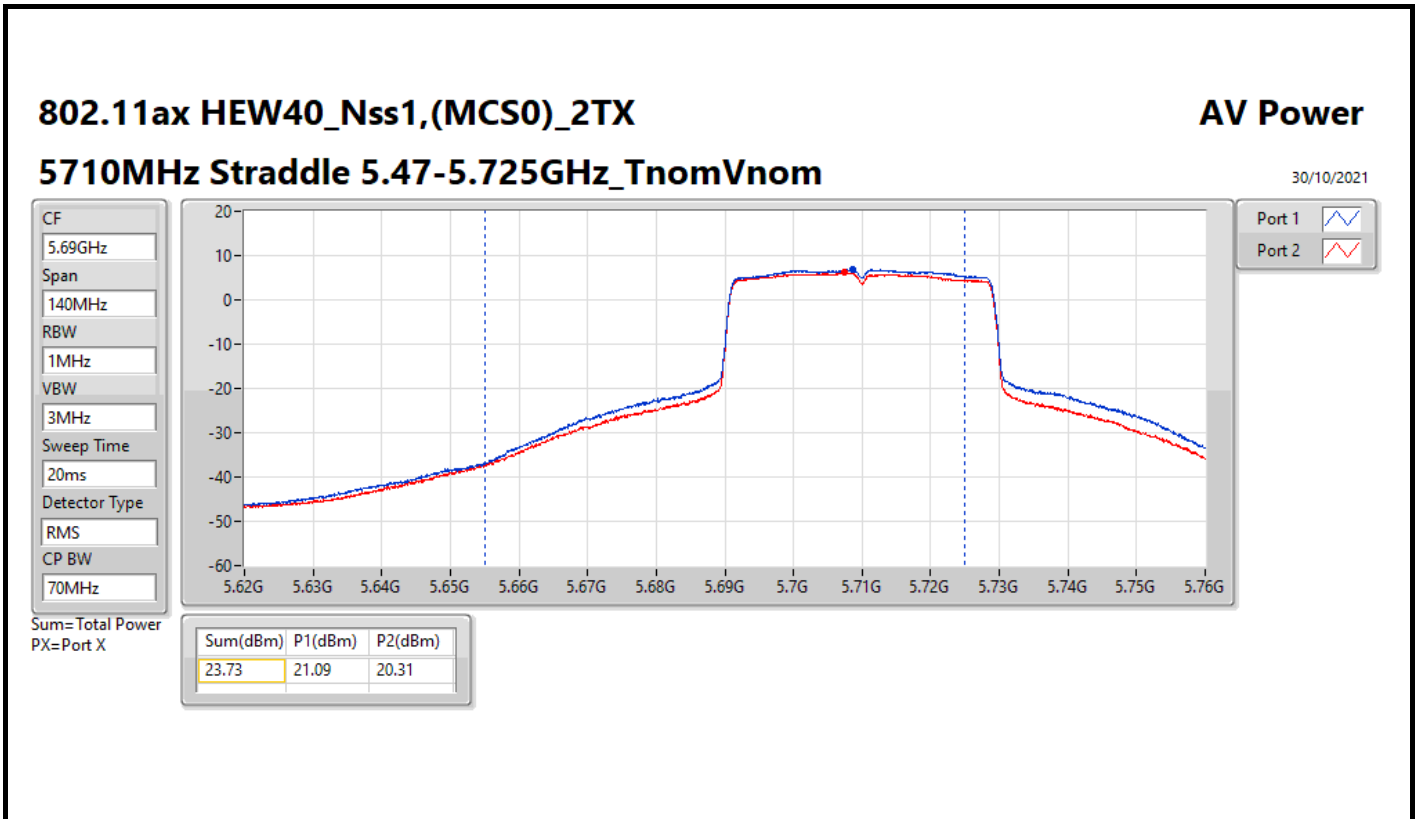
Result

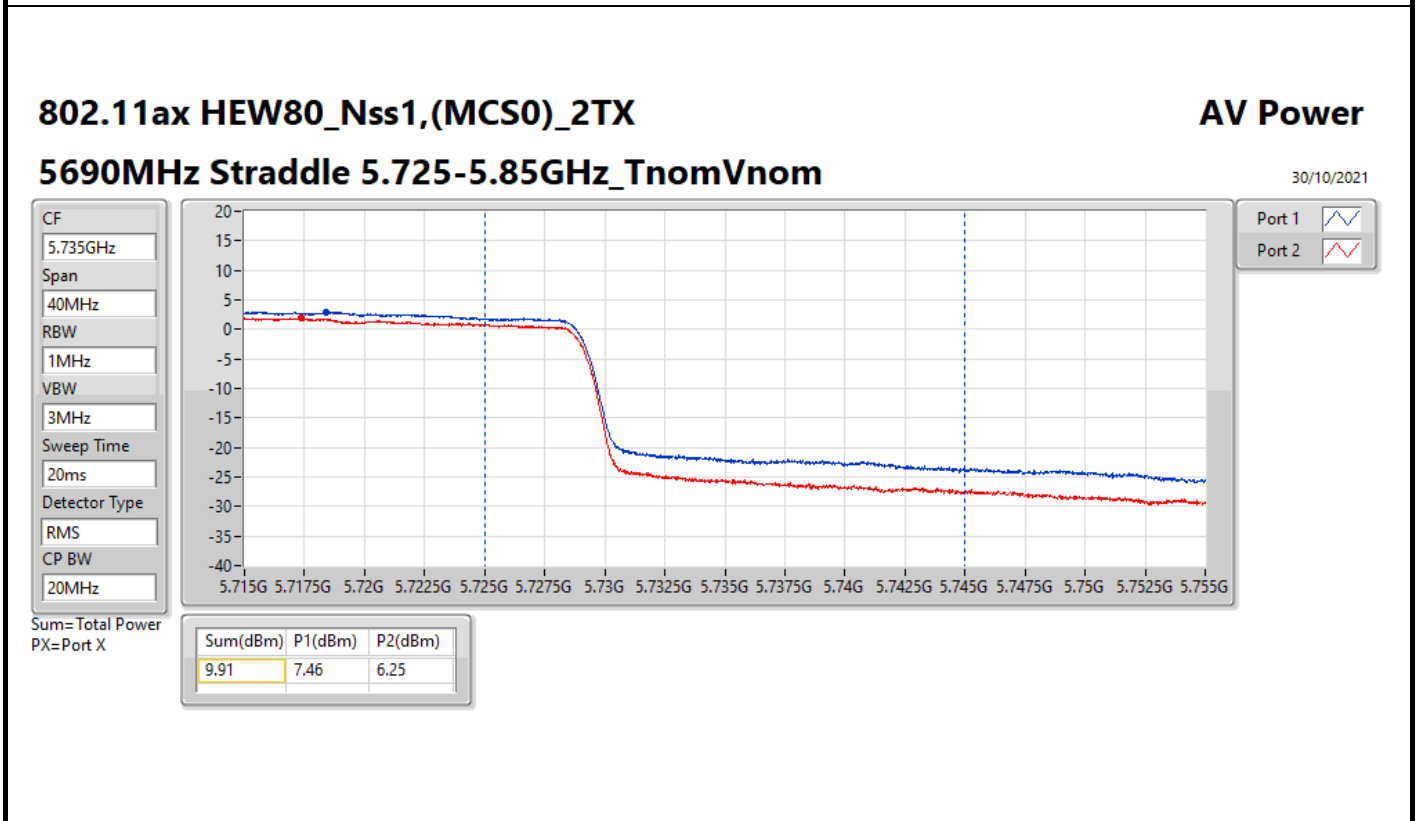
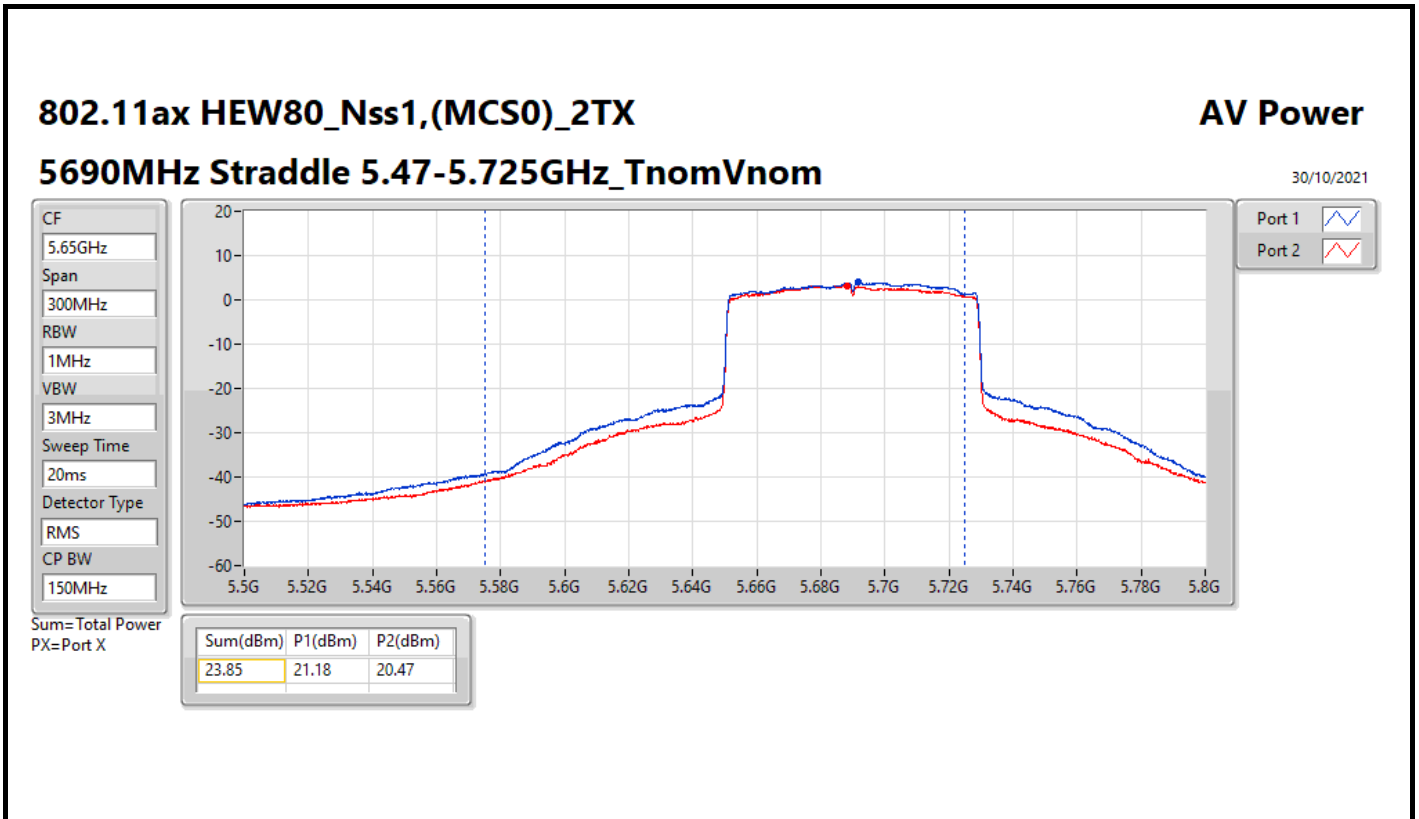
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.51	20.84	20.01	23.46	23.98
5300MHz	Pass	3.51	20.66	19.98	23.34	23.98
5320MHz	Pass	3.51	19.36	18.90	22.15	23.98
5500MHz	Pass	2.33	20.03	19.00	22.56	23.97
5580MHz	Pass	2.33	20.67	20.01	23.36	23.98
5700MHz	Pass	2.33	18.30	17.46	20.91	23.88
5720MHz Straddle 5.47-5.725GHz	Pass	2.33	20.17	19.45	22.84	23.01
5720MHz Straddle 5.725-5.85GHz	Pass	3.03	13.71	12.87	16.32	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	3.51	20.90	20.06	23.51	23.98
5300MHz	Pass	3.51	21.20	20.47	23.86	23.98
5320MHz	Pass	3.51	19.51	18.99	22.27	23.98
5500MHz	Pass	2.33	19.55	18.75	22.18	23.98
5580MHz	Pass	2.33	21.22	20.58	23.92	23.98
5700MHz	Pass	2.33	18.09	17.54	20.83	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	2.33	20.34	19.64	23.01	23.56
5720MHz Straddle 5.725-5.85GHz	Pass	3.03	14.91	14.01	17.49	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	3.51	21.02	19.94	23.52	23.98
5310MHz	Pass	3.51	17.47	16.95	20.23	23.98
5510MHz	Pass	2.33	18.37	17.47	20.95	23.98
5550MHz	Pass	2.33	21.26	20.24	23.79	23.98
5670MHz	Pass	2.33	20.42	19.83	23.15	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	2.33	21.09	20.31	23.73	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.03	10.93	10.04	13.52	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	3.51	17.08	16.37	19.75	23.98
5530MHz	Pass	2.33	17.88	16.82	20.39	23.98
5610MHz	Pass	2.33	19.88	19.69	22.80	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	2.33	21.18	20.47	23.85	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.03	7.46	6.25	9.91	30.00

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











Summary

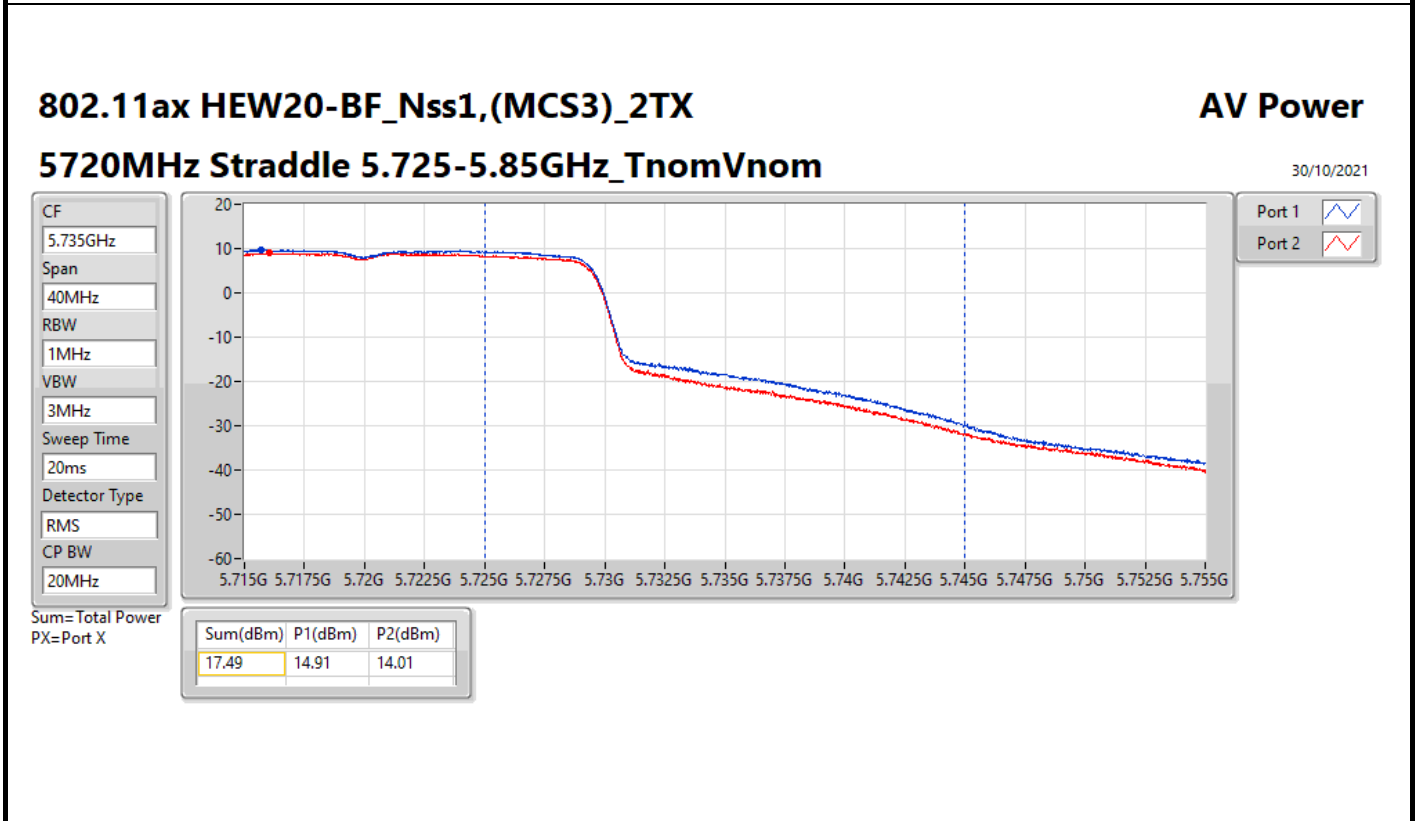
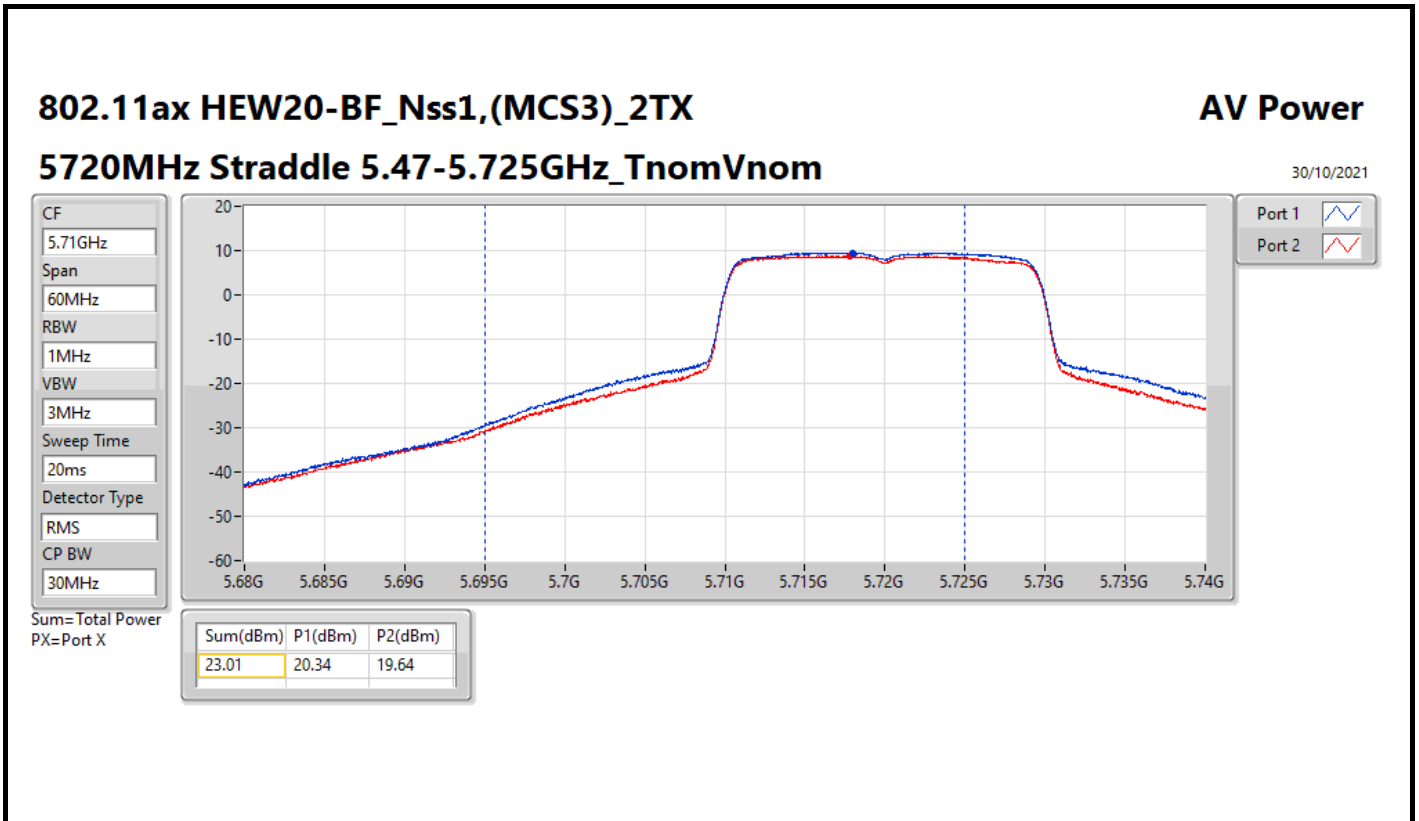
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	23.86	0.24322
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	23.52	0.22491
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	19.75	0.09441
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	23.92	0.24660
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	23.79	0.23933
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	23.85	0.24266
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	17.49	0.05610
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	13.52	0.02249
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	9.91	0.00979

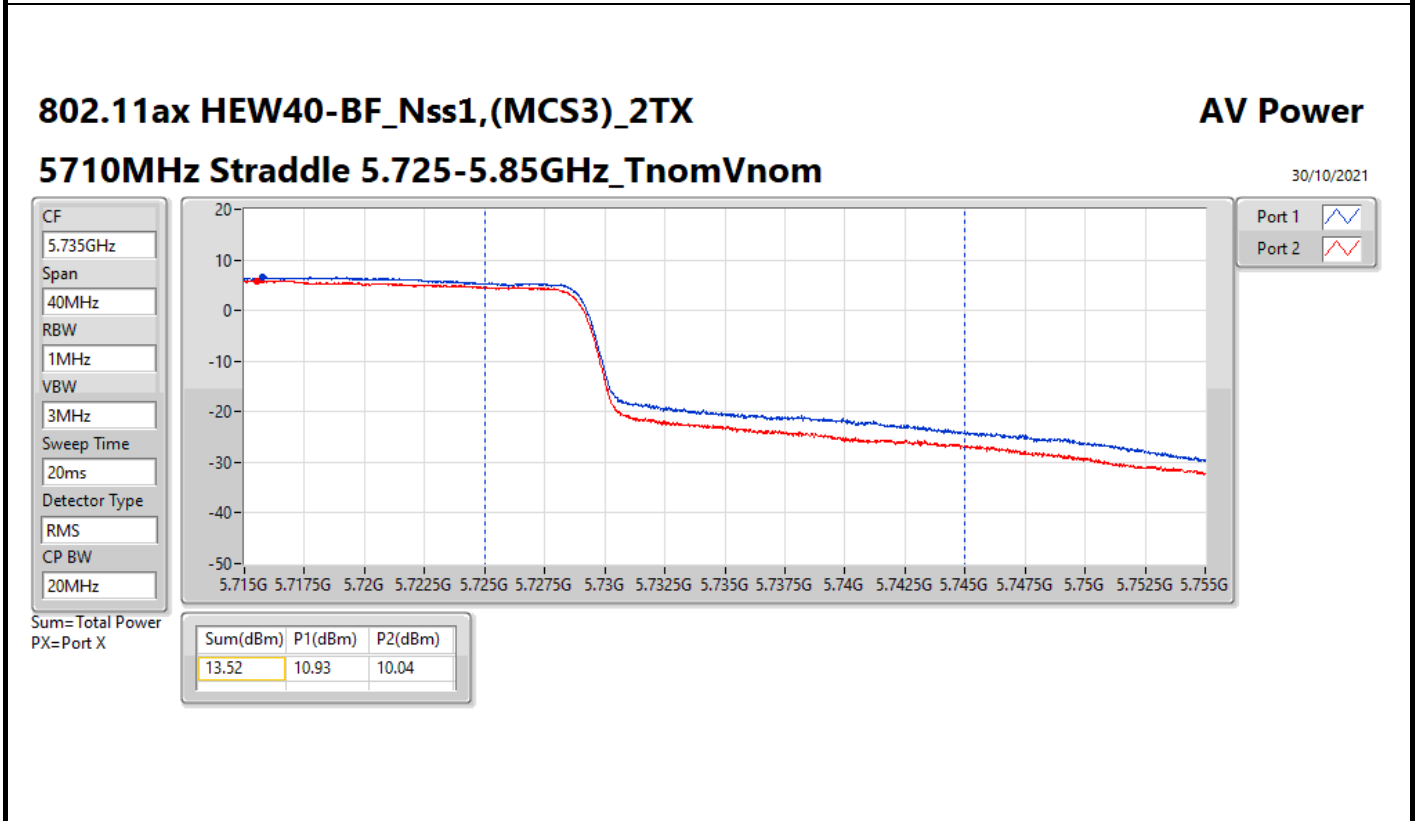
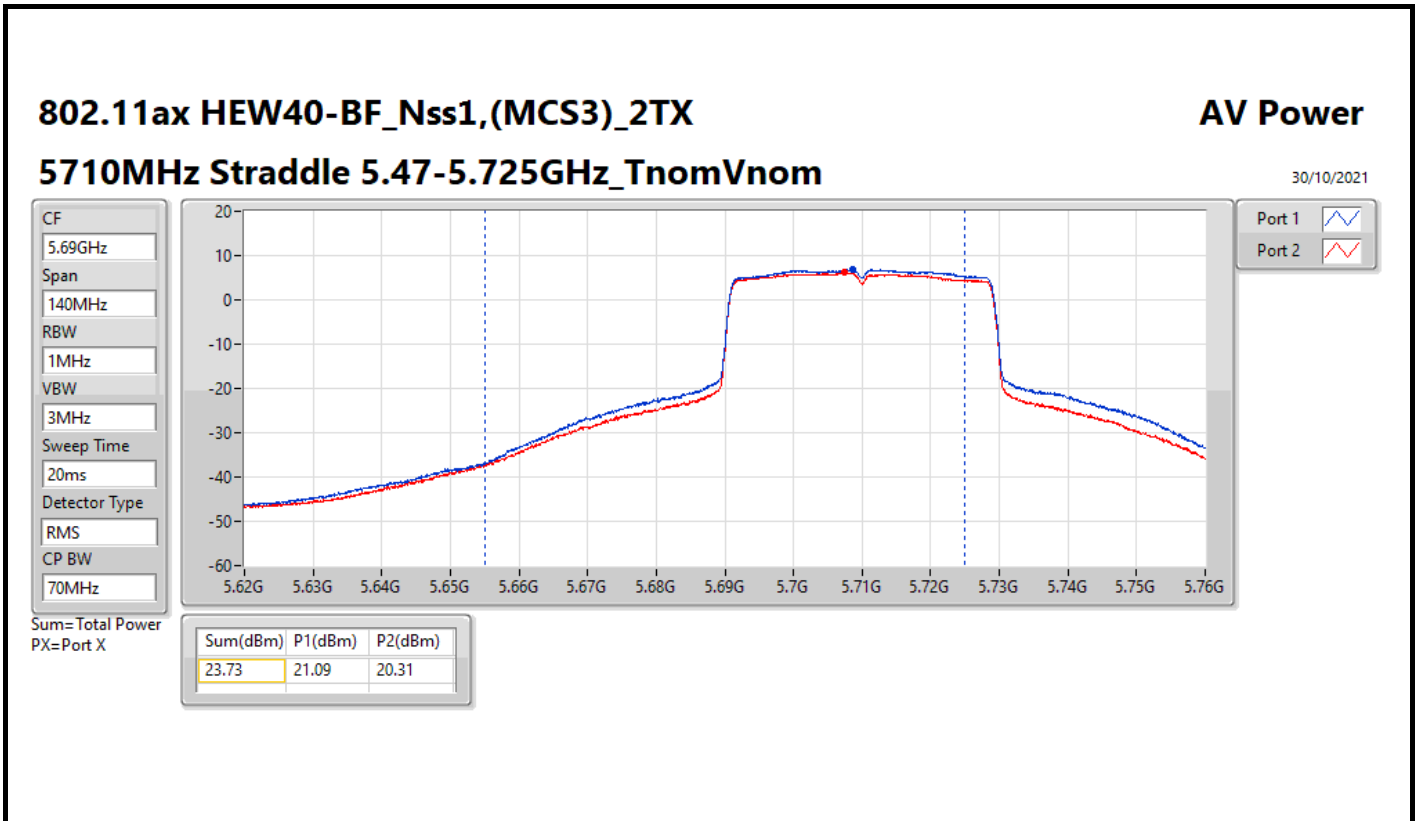


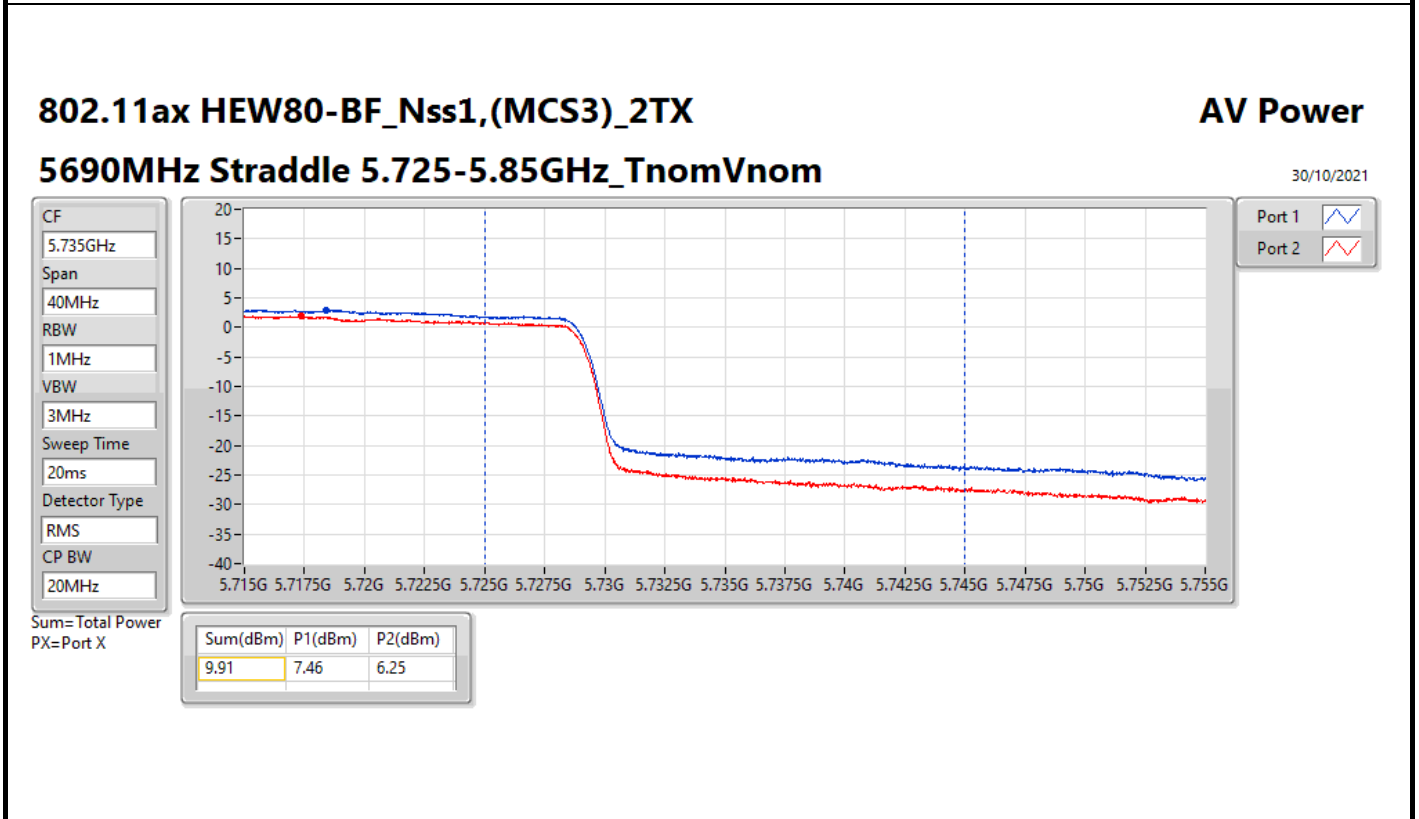
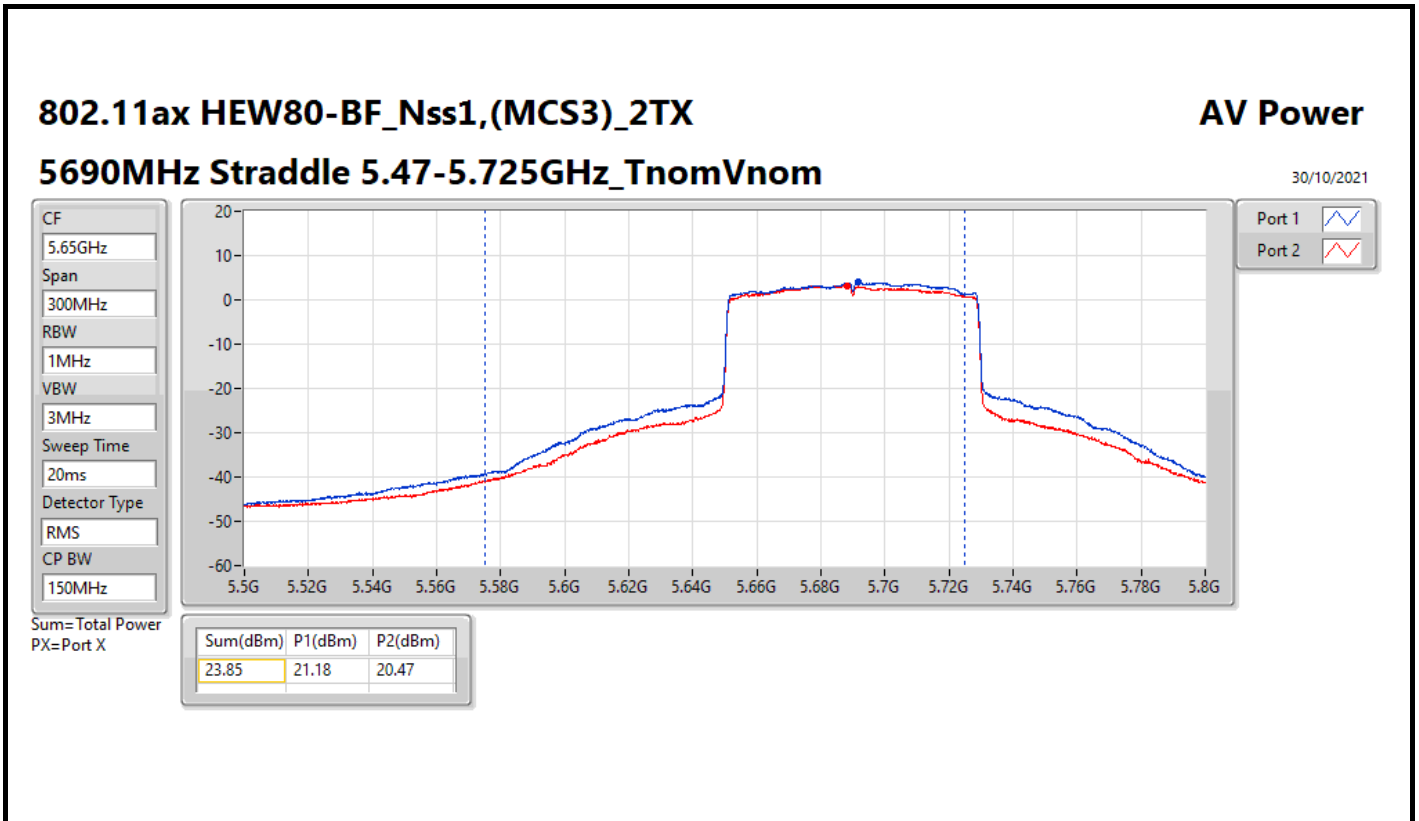
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5260MHz	Pass	4.68	20.9	20.06	23.51	23.98
5300MHz	Pass	4.68	21.2	20.47	23.86	23.98
5320MHz	Pass	4.68	19.51	18.99	22.27	23.98
5500MHz	Pass	3.36	19.55	18.75	22.18	23.98
5580MHz	Pass	3.36	21.22	20.58	23.92	23.98
5700MHz	Pass	3.36	18.09	17.54	20.83	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.36	20.34	19.64	23.01	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.75	14.91	14.01	17.49	30.00
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5270MHz	Pass	4.68	21.02	19.94	23.52	23.98
5310MHz	Pass	4.68	17.47	16.95	20.23	23.98
5510MHz	Pass	3.36	18.37	17.47	20.95	23.98
5550MHz	Pass	3.36	21.26	20.24	23.79	23.98
5670MHz	Pass	3.36	20.42	19.83	23.15	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.36	21.09	20.31	23.73	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.75	10.93	10.04	13.52	30.00
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5290MHz	Pass	4.68	17.08	16.37	19.75	23.98
5530MHz	Pass	3.36	17.88	16.82	20.39	23.98
5610MHz	Pass	3.36	19.88	19.69	22.80	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.36	21.18	20.47	23.85	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.75	7.46	6.25	9.91	30.00

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









Summary

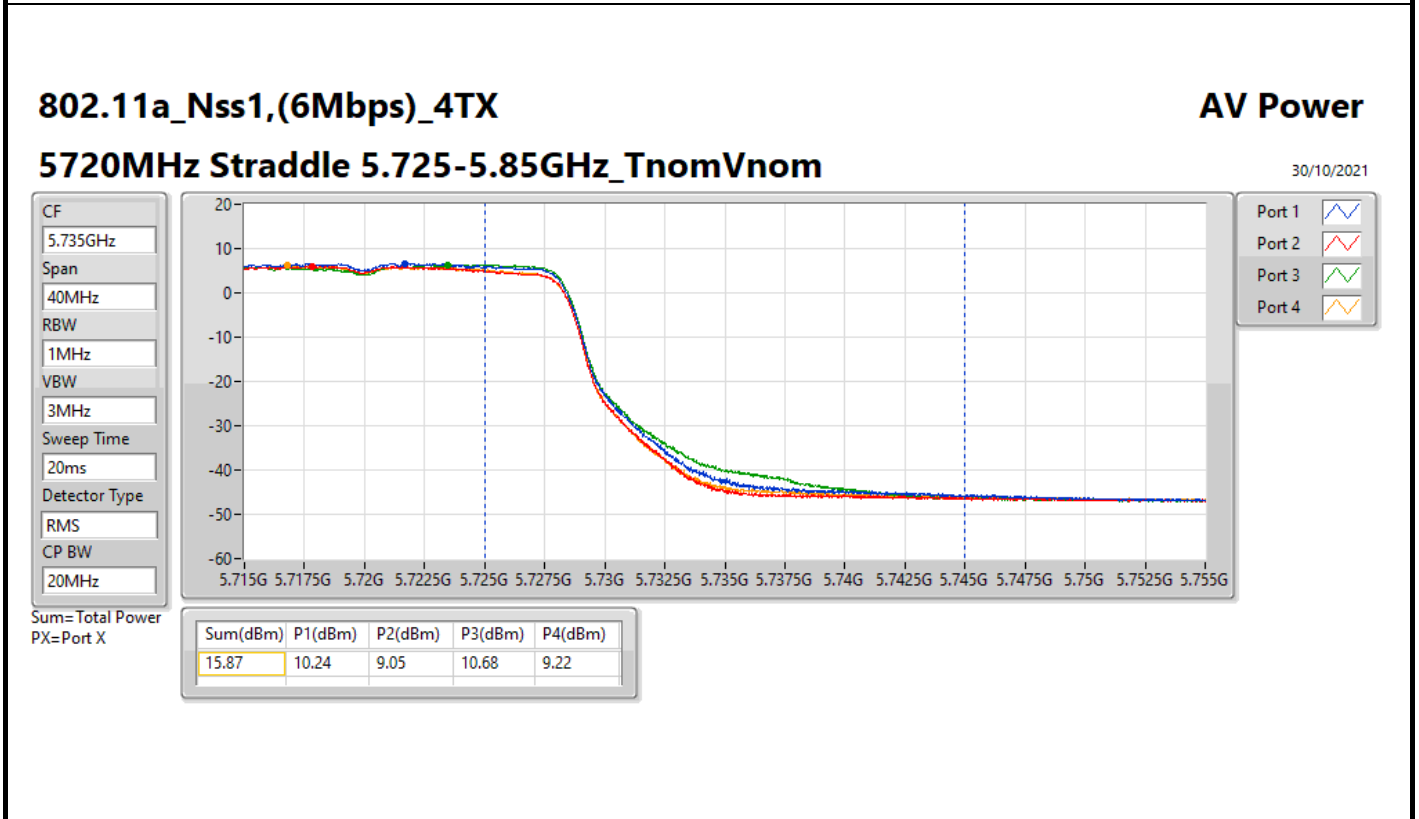
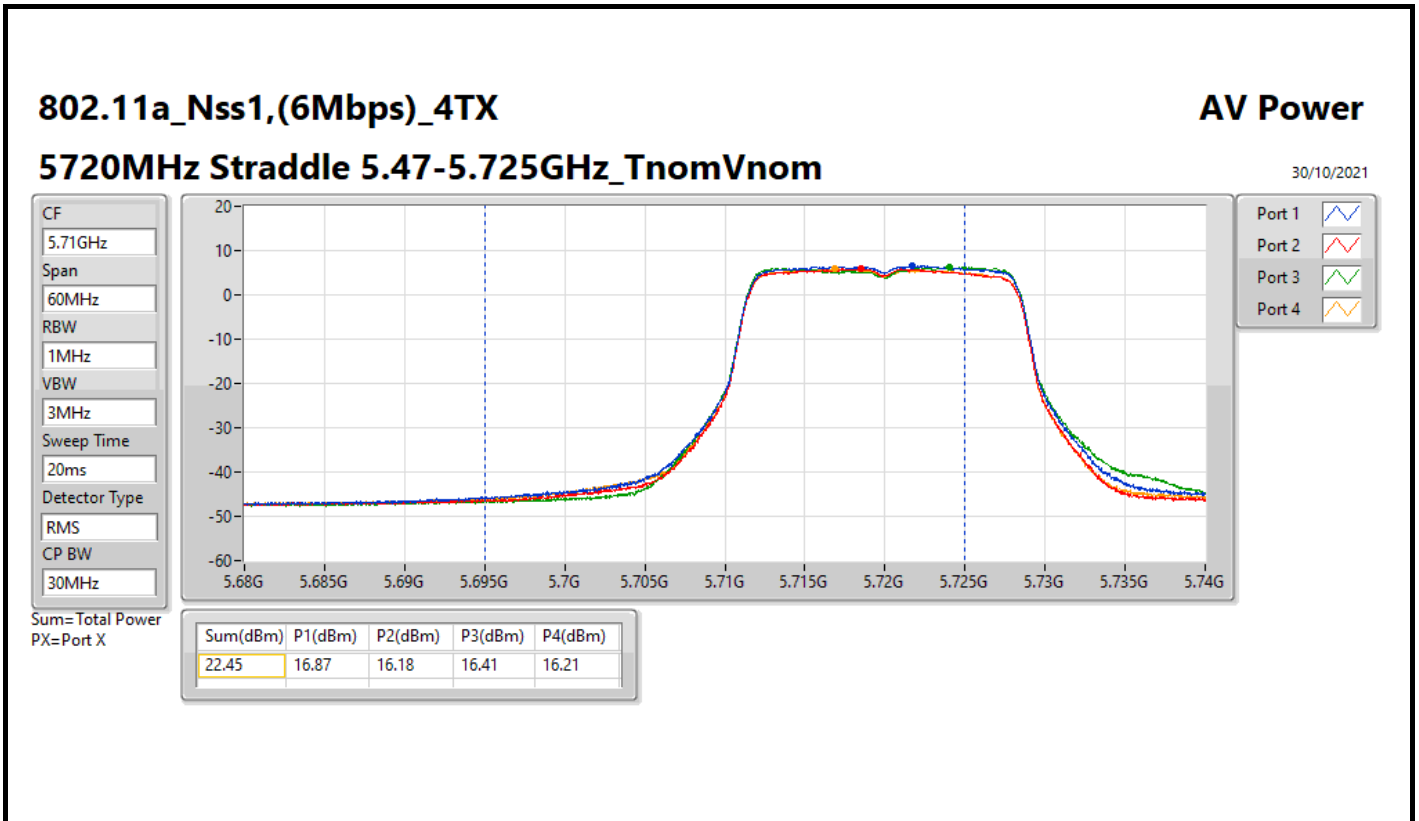
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.35	0.21627
802.11ax HEW20_Nss1,(MCS0)_4TX	23.93	0.24717
802.11ax HEW40_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80_Nss1,(MCS0)_4TX	21.21	0.13213
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.62	0.23014
802.11ax HEW20_Nss1,(MCS0)_4TX	23.67	0.23281
802.11ax HEW40_Nss1,(MCS0)_4TX	23.81	0.24044
802.11ax HEW80_Nss1,(MCS0)_4TX	23.58	0.22803
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.87	0.03864
802.11ax HEW20_Nss1,(MCS0)_4TX	17.28	0.05346
802.11ax HEW40_Nss1,(MCS0)_4TX	13.46	0.02218
802.11ax HEW80_Nss1,(MCS0)_4TX	9.40	0.00871

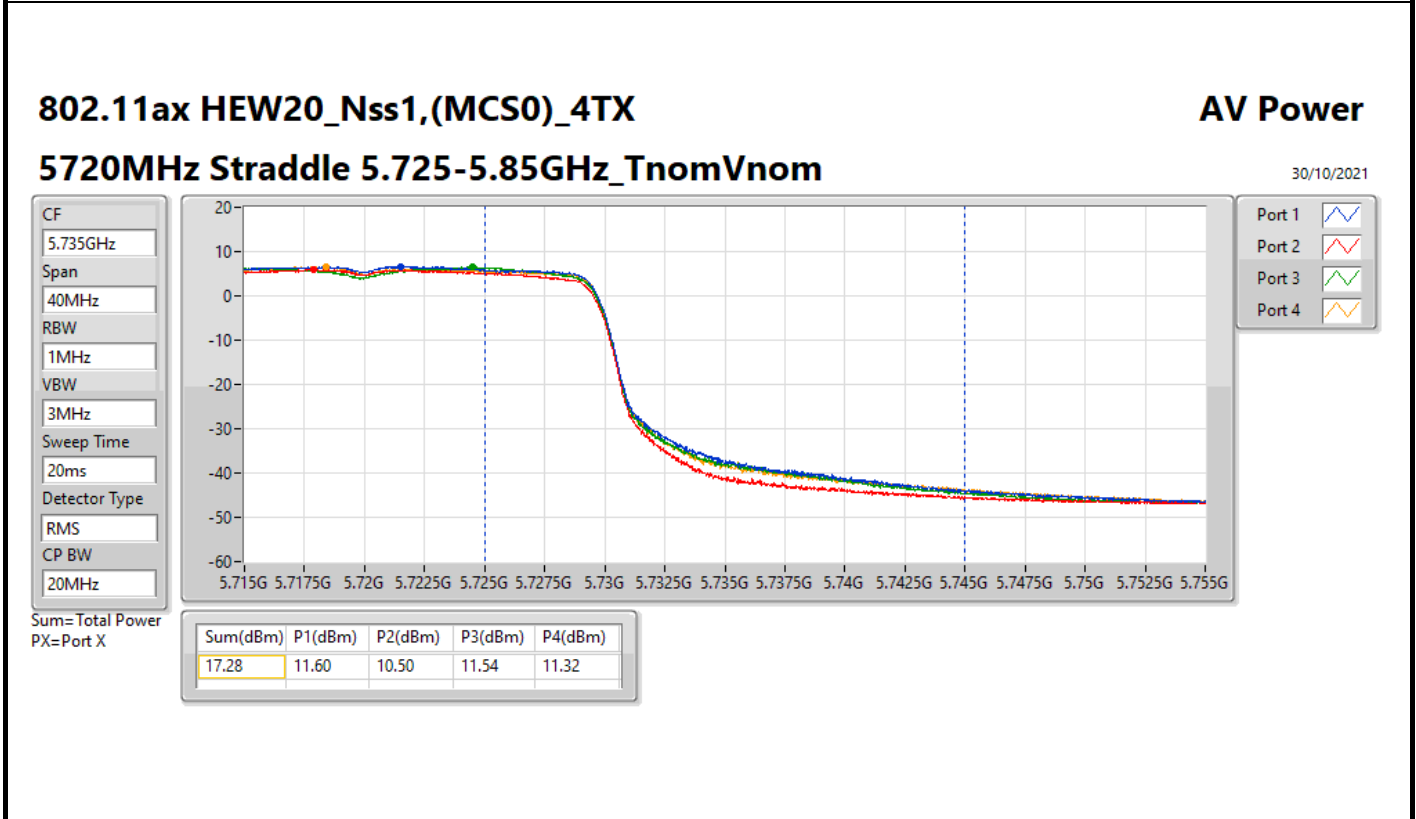
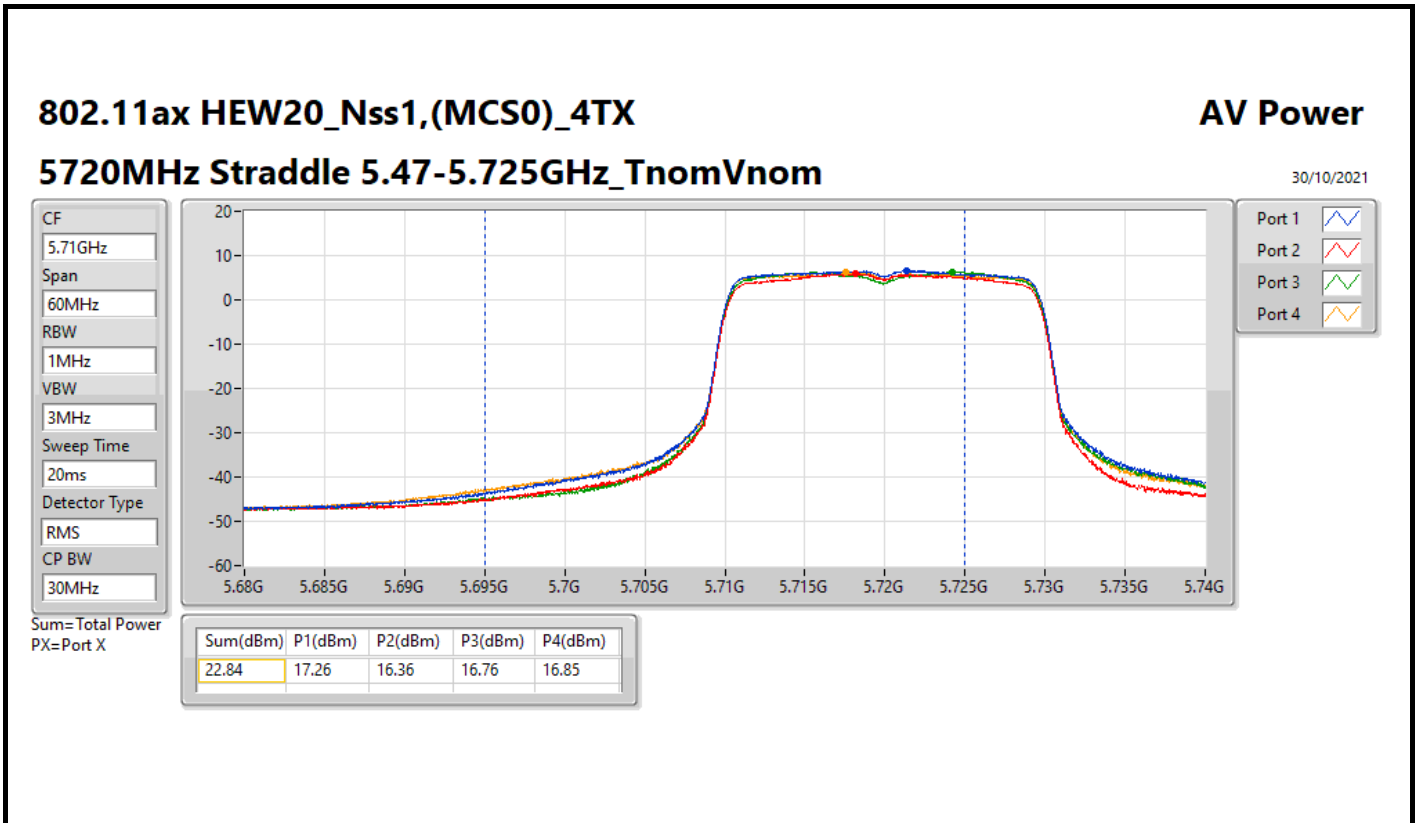


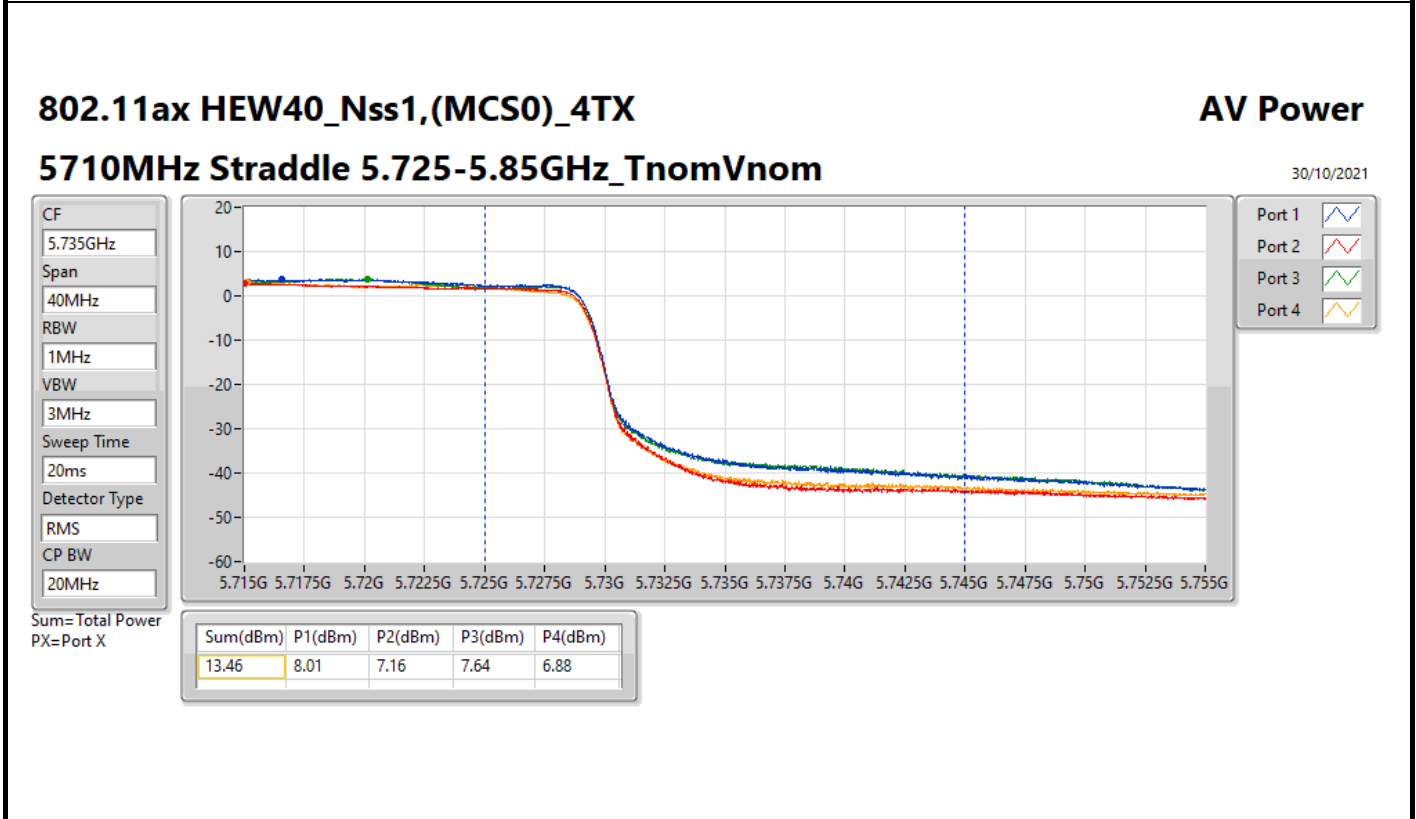
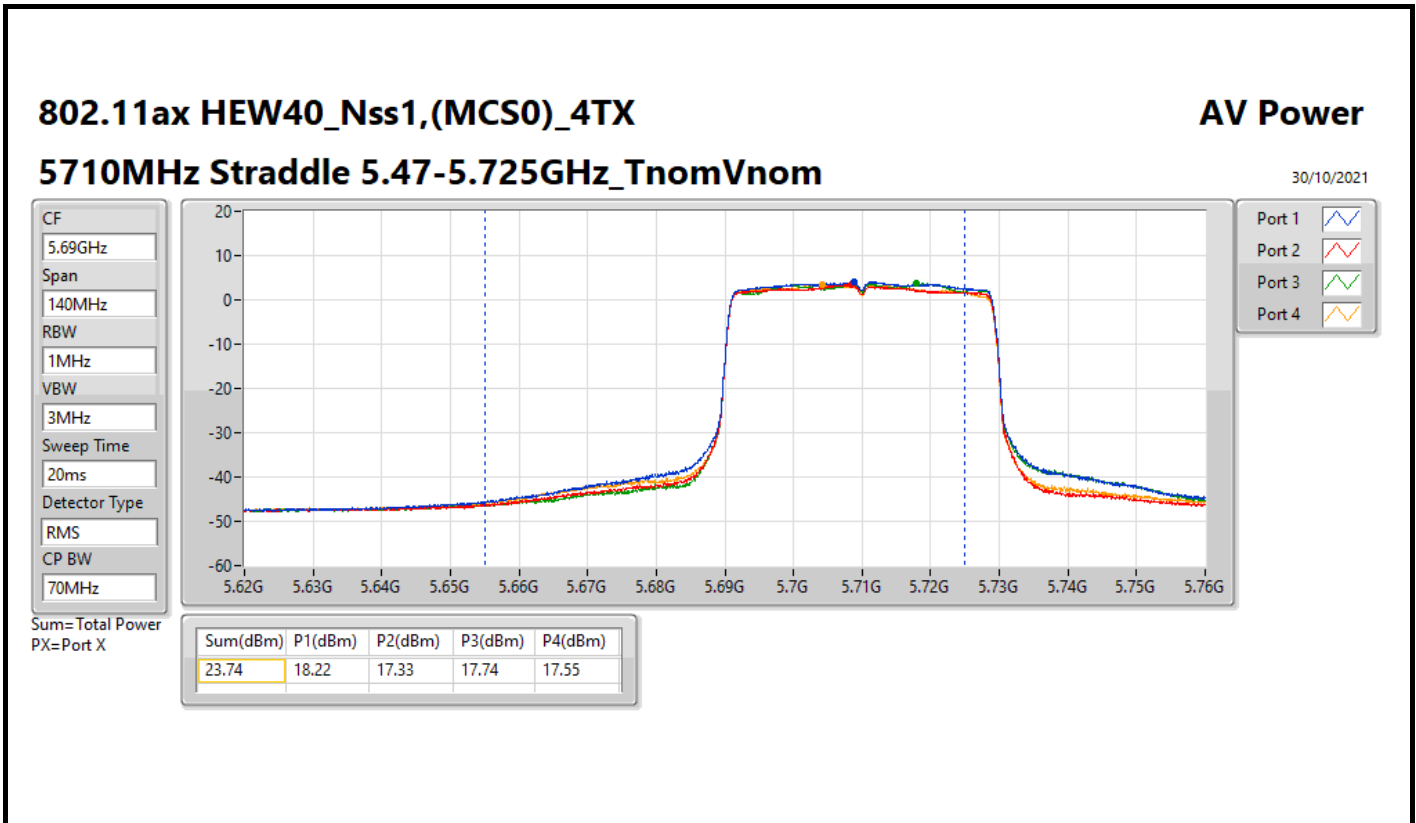
Result

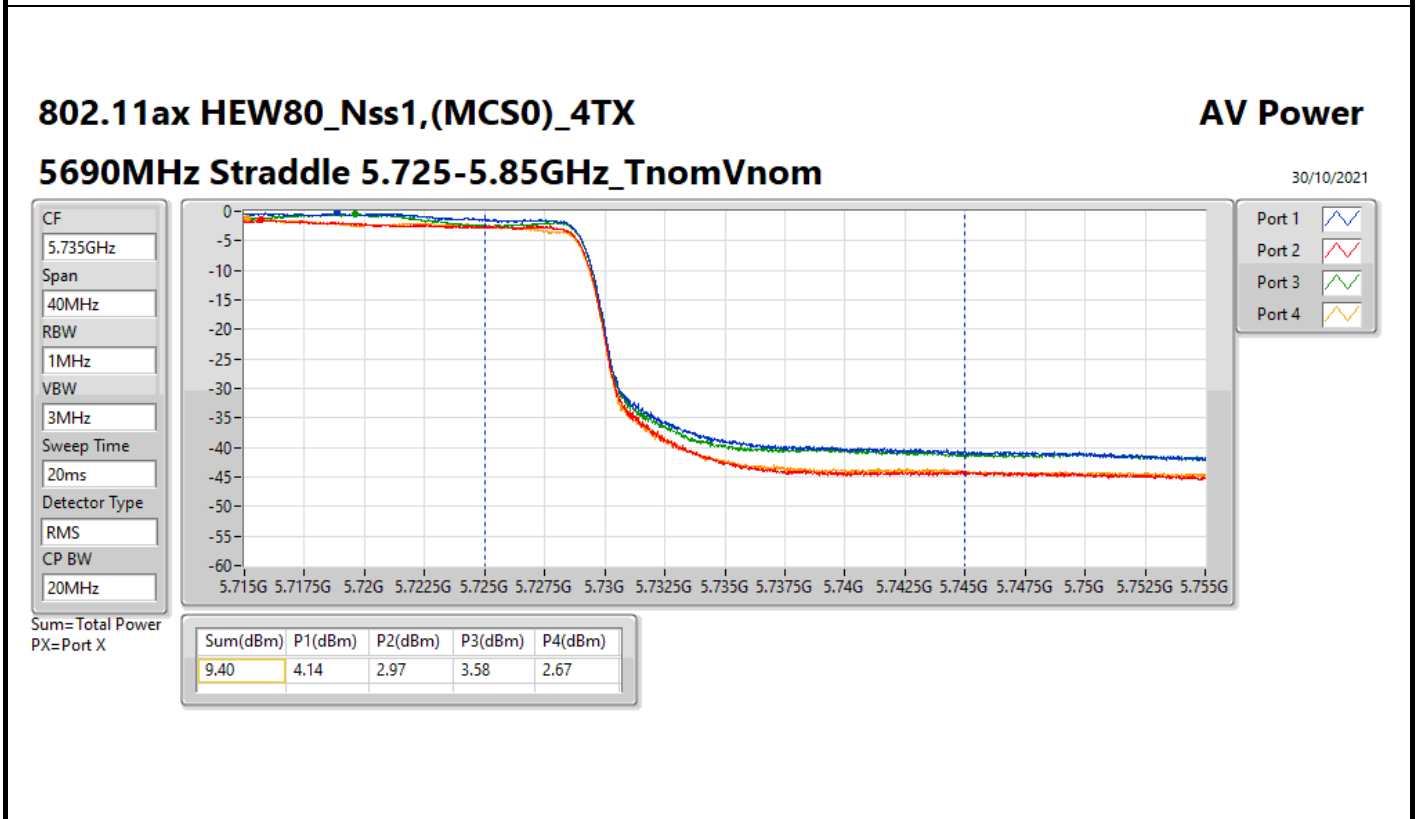
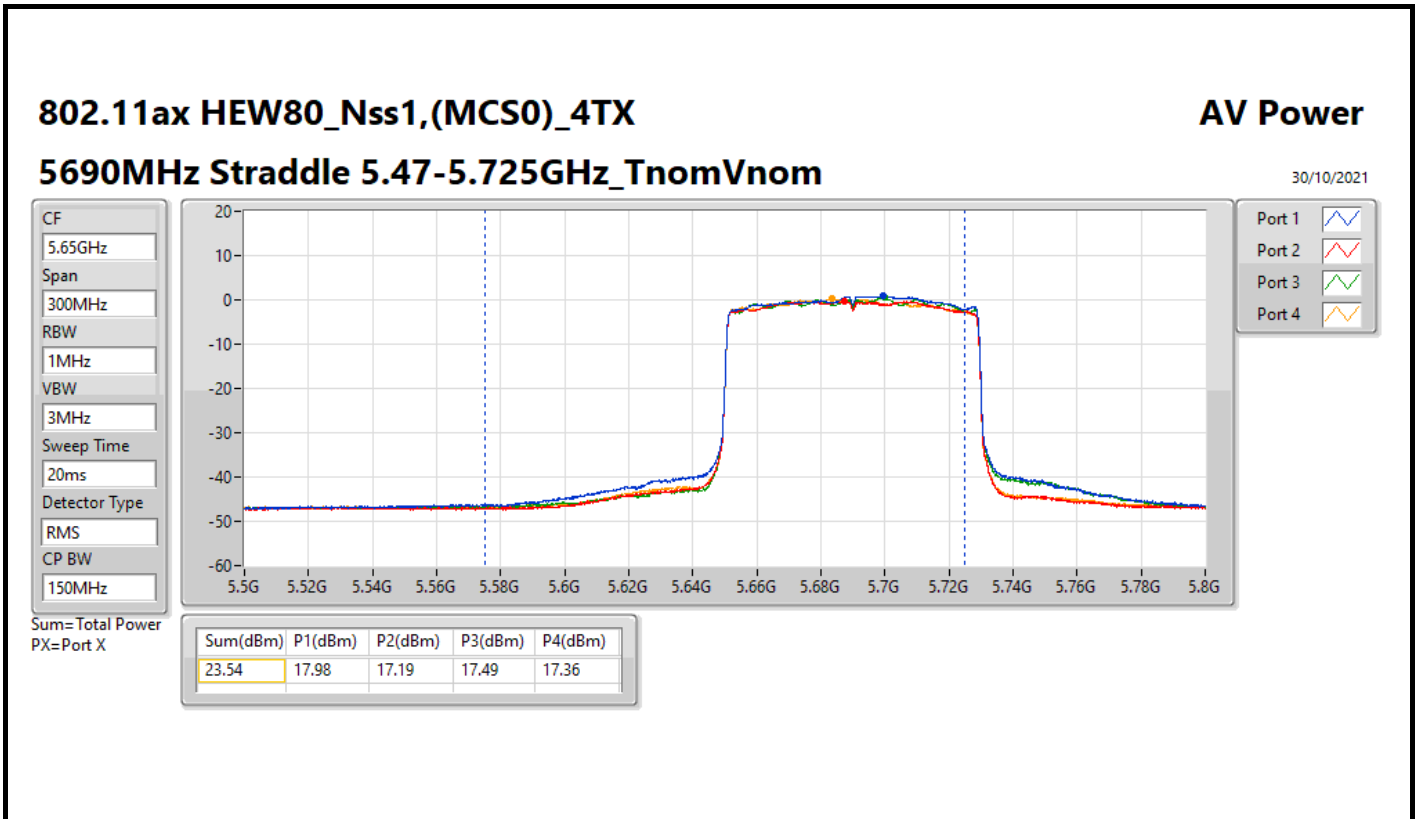
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.21	17.76	16.84	16.94	16.98	23.17	23.93
5300MHz	Pass	4.21	17.47	16.77	17.07	17.12	23.14	23.91
5320MHz	Pass	4.21	17.57	17.10	17.21	17.42	23.35	23.87
5500MHz	Pass	3.00	18.08	17.25	17.49	17.55	23.62	23.87
5580MHz	Pass	3.00	17.48	17.14	18.06	17.58	23.60	23.89
5700MHz	Pass	3.00	17.86	16.94	17.20	17.25	23.35	23.84
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	16.87	16.18	16.41	16.21	22.45	22.67
5720MHz Straddle 5.725-5.85GHz	Pass	3.84	10.24	9.05	10.68	9.22	15.87	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.21	18.16	17.30	17.38	17.54	23.63	23.98
5300MHz	Pass	4.21	18.00	17.39	17.58	17.83	23.73	23.98
5320MHz	Pass	4.21	18.08	17.79	17.81	17.96	23.93	23.98
5500MHz	Pass	3.00	18.09	17.20	17.63	17.63	23.67	23.98
5580MHz	Pass	3.00	17.37	17.06	18.12	17.83	23.63	23.98
5700MHz	Pass	3.00	17.92	17.01	17.25	17.64	23.49	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.00	17.26	16.36	16.76	16.85	22.84	22.87
5720MHz Straddle 5.725-5.85GHz	Pass	3.84	11.60	10.50	11.54	11.32	17.28	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.21	18.58	17.65	17.67	17.77	23.96	23.98
5310MHz	Pass	4.21	16.47	16.03	15.89	16.21	22.18	23.98
5510MHz	Pass	3.00	17.94	17.02	17.40	17.22	23.43	23.98
5550MHz	Pass	3.00	18.19	17.28	17.76	17.61	23.74	23.98
5670MHz	Pass	3.00	18.17	17.53	17.52	17.91	23.81	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.00	18.22	17.33	17.74	17.55	23.74	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.84	8.01	7.16	7.64	6.88	13.46	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.21	15.45	14.93	15.19	15.19	21.21	23.98
5530MHz	Pass	3.00	17.41	16.37	16.84	16.72	22.87	23.98
5610MHz	Pass	3.00	17.64	17.28	17.65	17.66	23.58	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.00	17.98	17.19	17.49	17.36	23.54	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.84	4.14	2.97	3.58	2.67	9.40	30.00

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











Summary

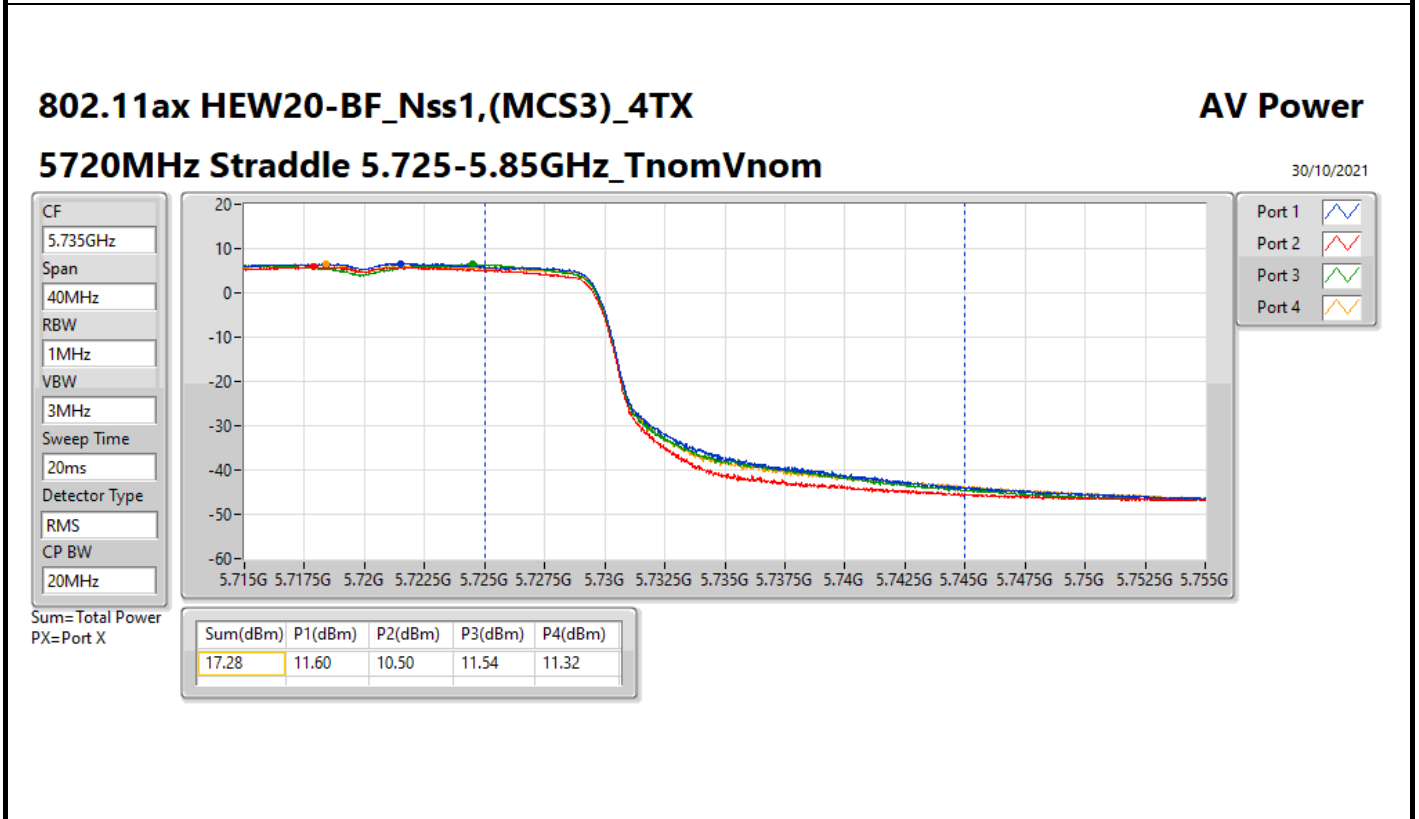
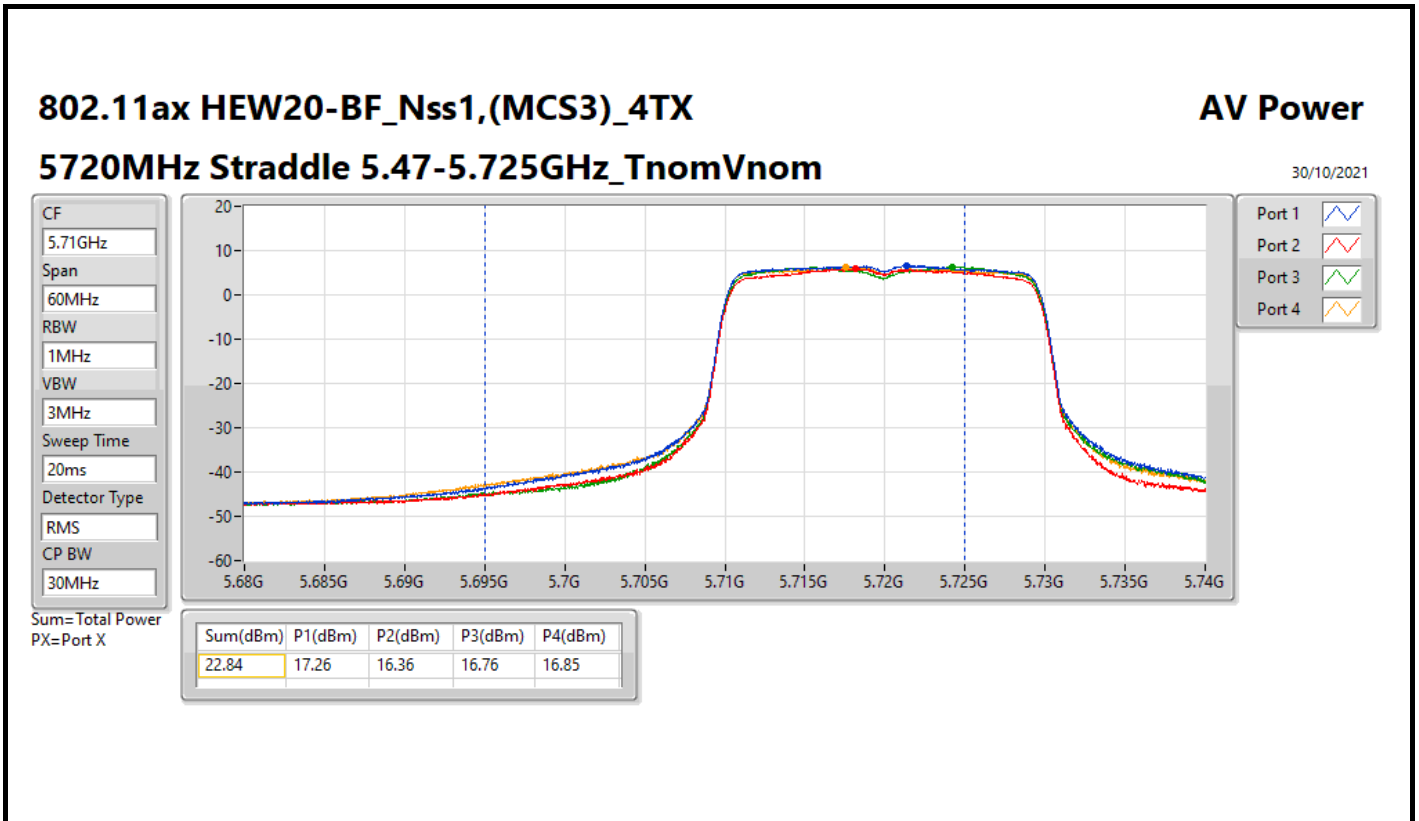
Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	23.47	0.22233
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	23.47	0.22233
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	21.21	0.13213
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	23.67	0.23281
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	23.81	0.24044
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	23.58	0.22803
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	17.28	0.05346
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	13.46	0.02218
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	9.40	0.00871

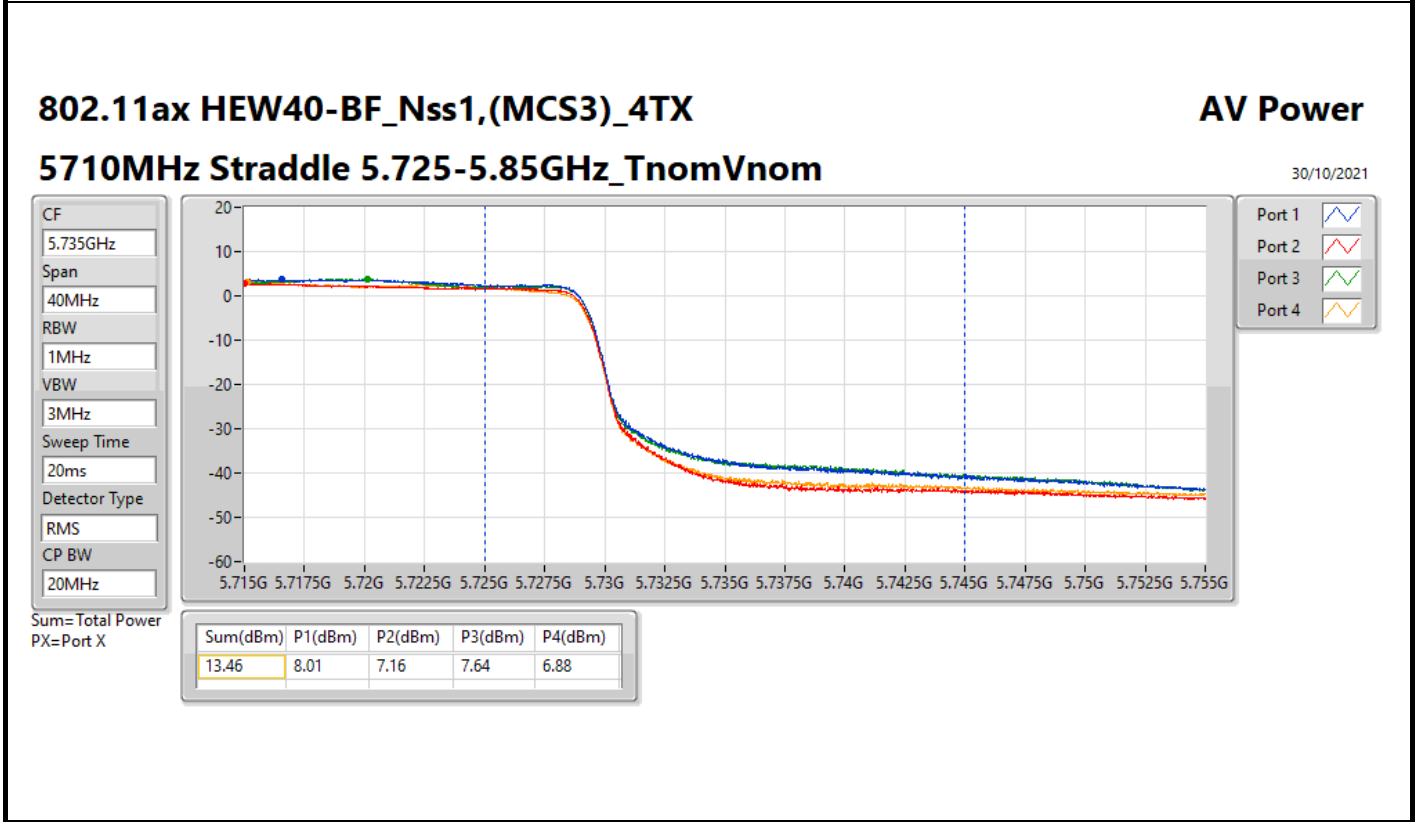
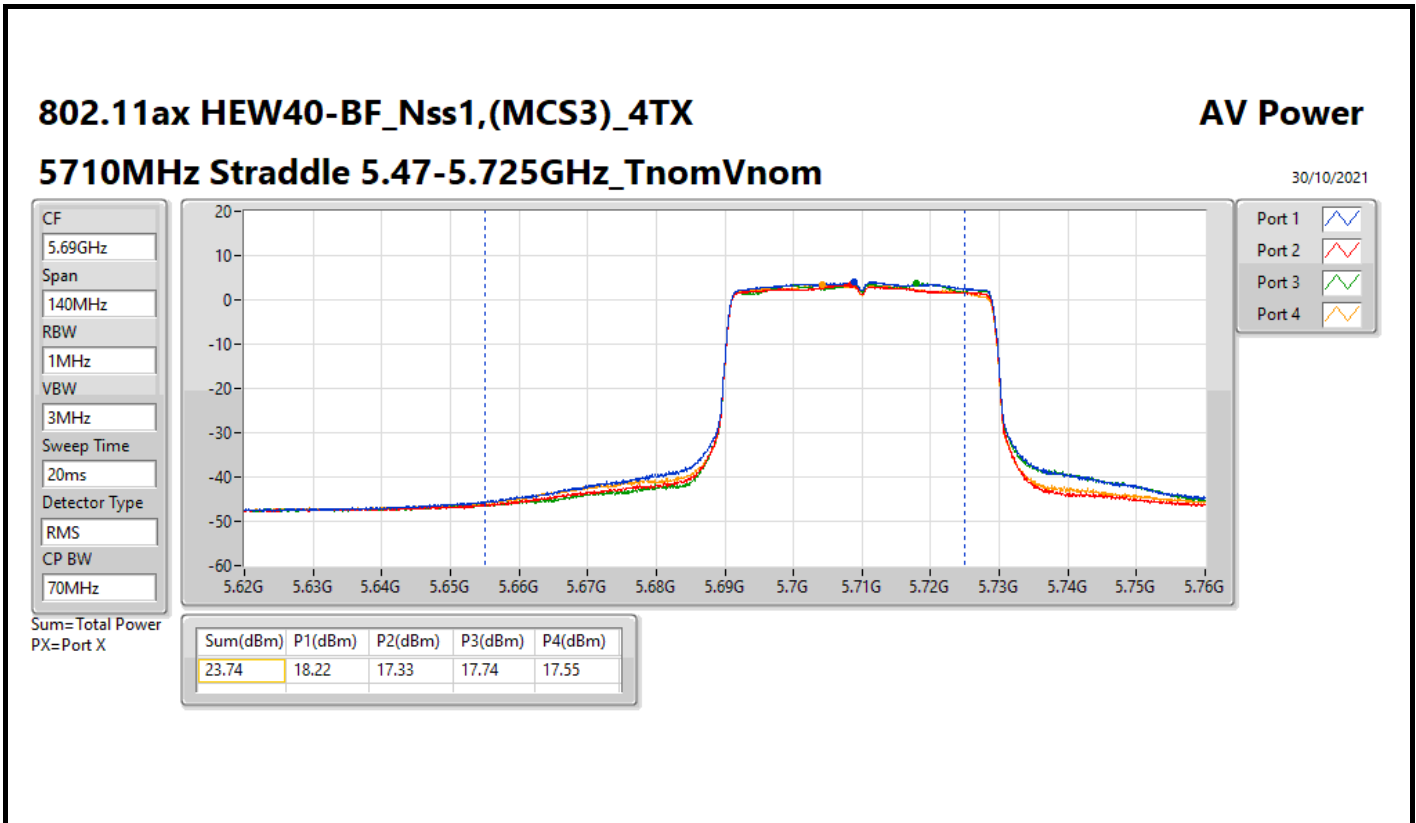


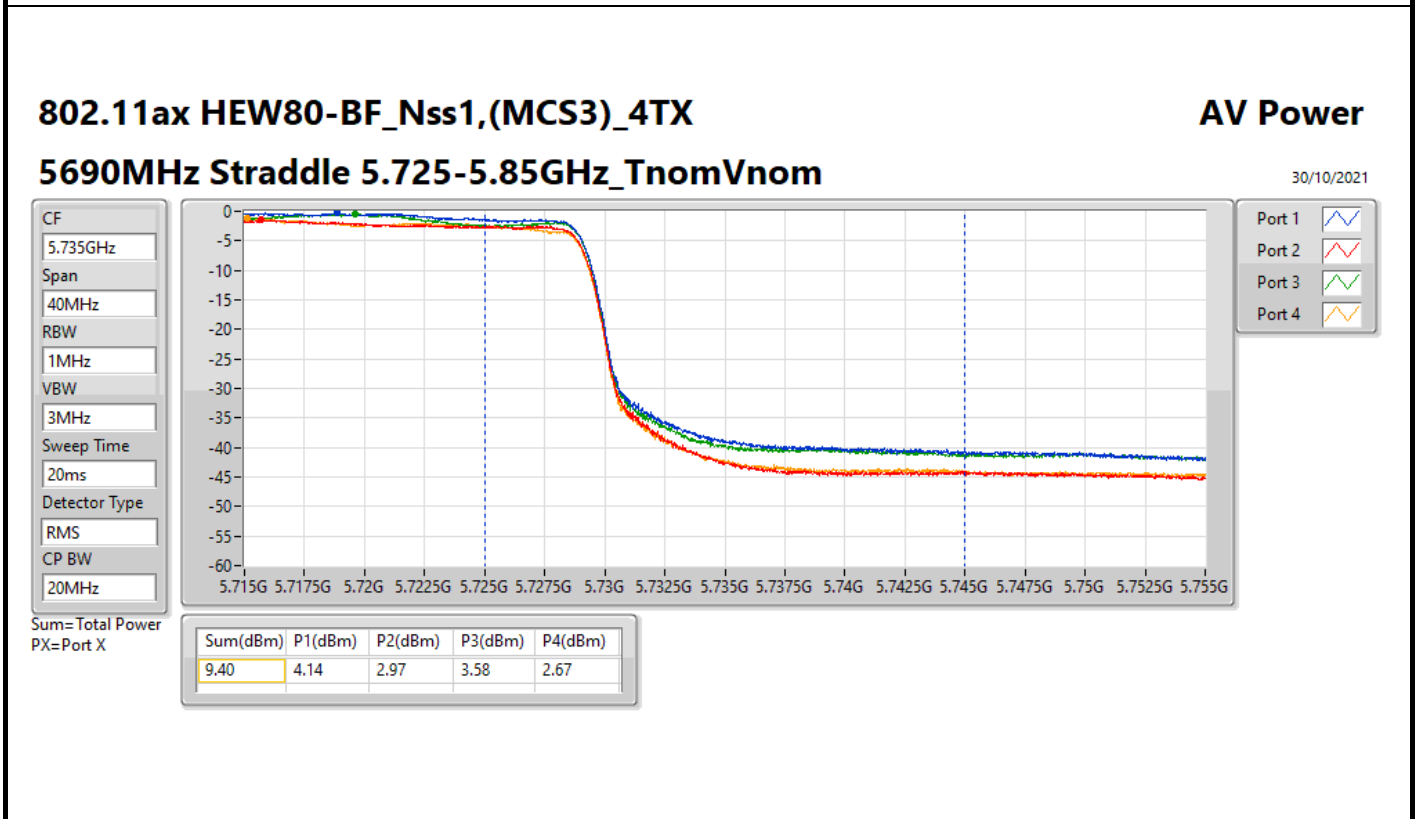
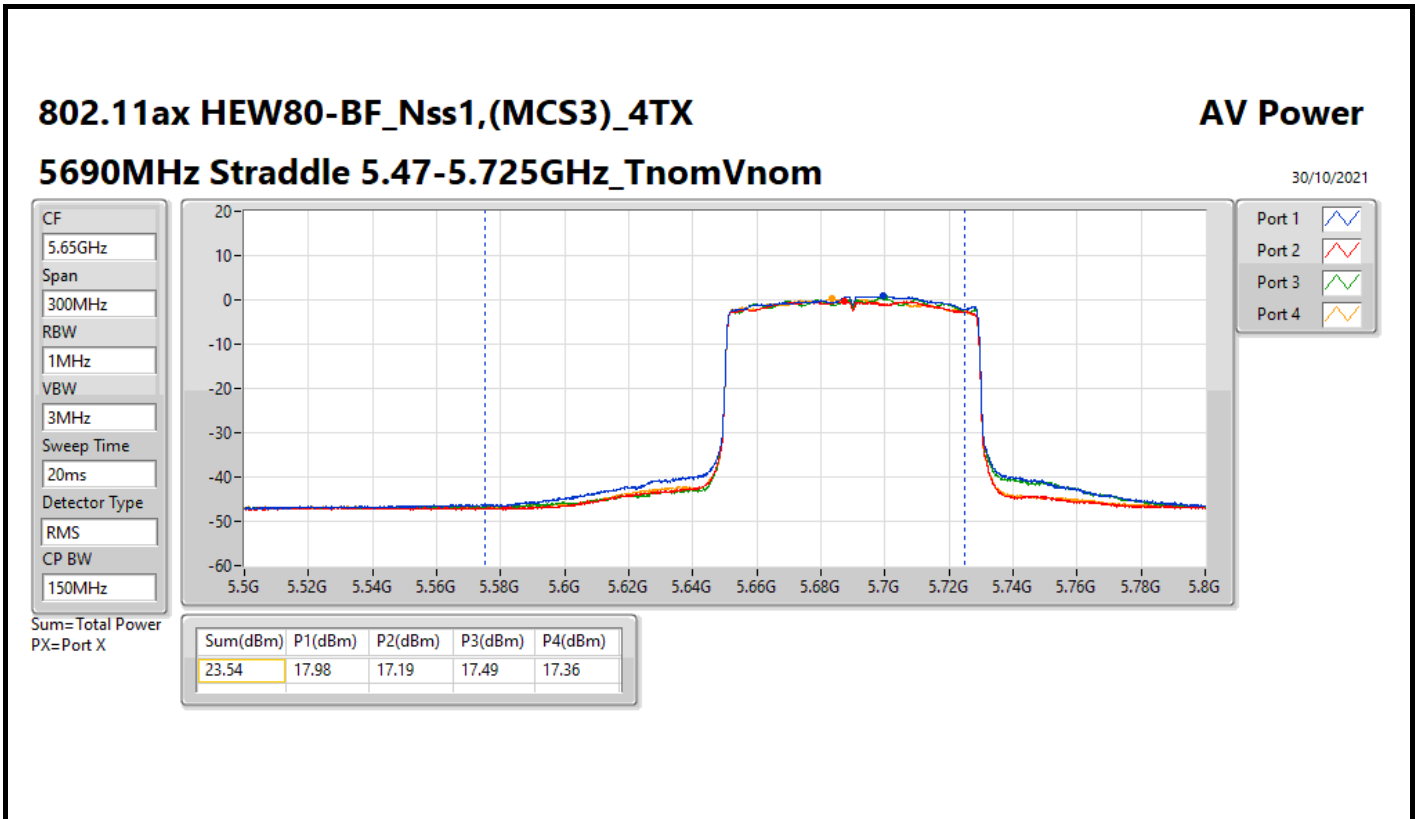
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	6.36	18.00	17.01	16.98	17.11	23.32	23.62
5300MHz	Pass	6.36	17.67	16.79	17.35	17.23	23.29	23.62
5320MHz	Pass	6.36	17.64	17.35	17.34	17.45	23.47	23.62
5500MHz	Pass	5.06	18.09	17.2	17.63	17.63	23.67	23.98
5580MHz	Pass	5.06	17.37	17.06	18.12	17.83	23.63	23.98
5700MHz	Pass	5.06	17.92	17.01	17.25	17.64	23.49	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.06	17.26	16.36	16.76	16.85	22.84	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	5.18	11.6	10.5	11.54	11.32	17.28	30.00
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	6.36	18.13	17.10	17.26	17.23	23.47	23.62
5310MHz	Pass	6.36	16.47	16.03	15.89	16.21	22.18	23.62
5510MHz	Pass	5.06	17.94	17.02	17.4	17.22	23.43	23.98
5550MHz	Pass	5.06	18.19	17.28	17.76	17.61	23.74	23.98
5670MHz	Pass	5.06	18.17	17.53	17.52	17.91	23.81	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.06	18.22	17.33	17.74	17.55	23.74	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.18	8.01	7.16	7.64	6.88	13.46	30.00
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	6.36	15.45	14.93	15.19	15.19	21.21	23.62
5530MHz	Pass	5.06	17.41	16.37	16.84	16.72	22.87	23.98
5610MHz	Pass	5.06	17.64	17.28	17.65	17.66	23.58	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.06	17.98	17.19	17.49	17.36	23.54	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.18	4.14	2.97	3.58	2.67	9.40	30.00

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









Summary

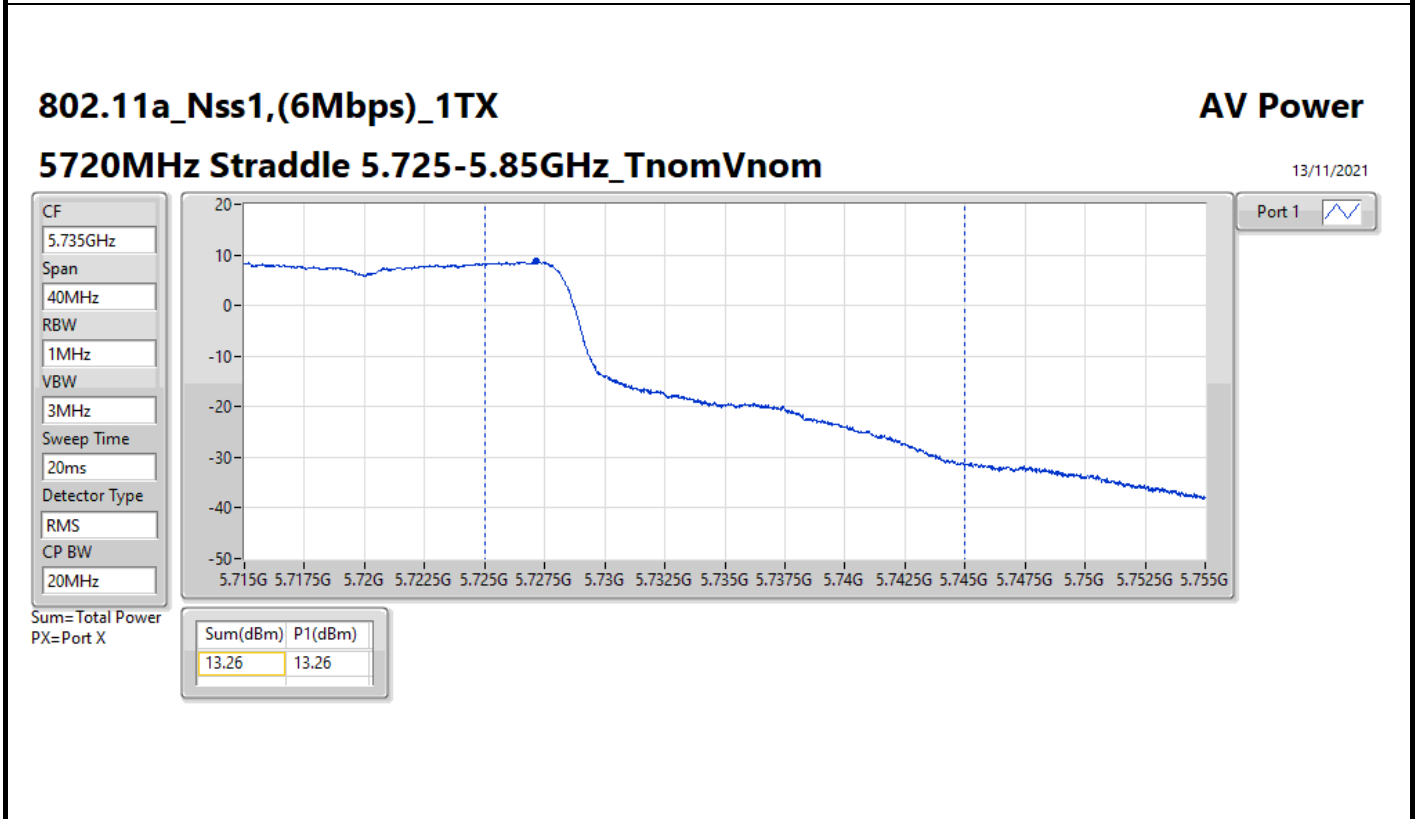
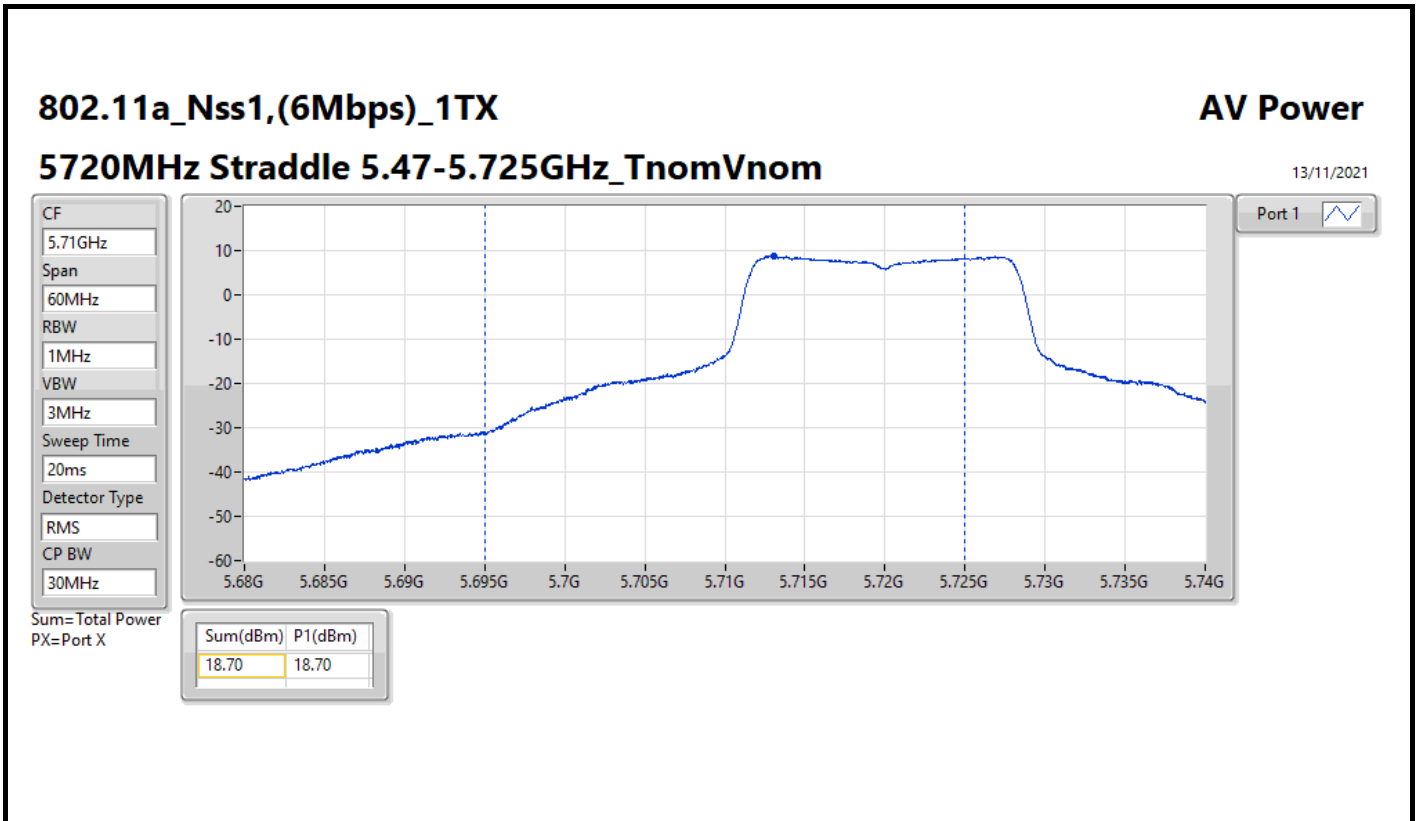
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	18.70	0.07413
802.11ax HEW20_Nss1,(MCS0)_1TX	18.41	0.06934
802.11ax HEW40_Nss1,(MCS0)_1TX	20.39	0.10940
802.11ax HEW80_Nss1,(MCS0)_1TX	19.41	0.08730
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	13.26	0.02118
802.11ax HEW20_Nss1,(MCS0)_1TX	14.06	0.02547
802.11ax HEW40_Nss1,(MCS0)_1TX	9.89	0.00975
802.11ax HEW80_Nss1,(MCS0)_1TX	5.17	0.00329

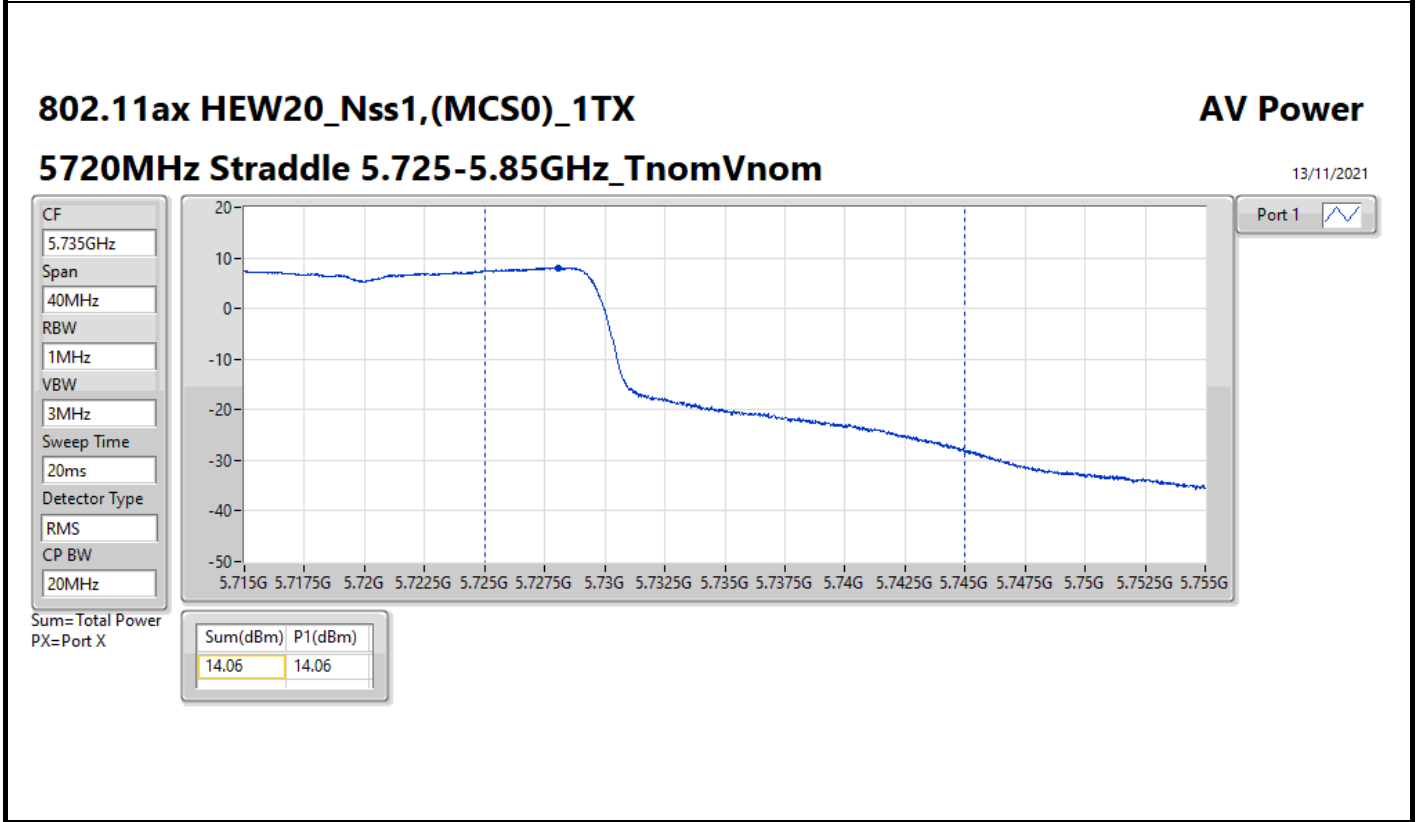
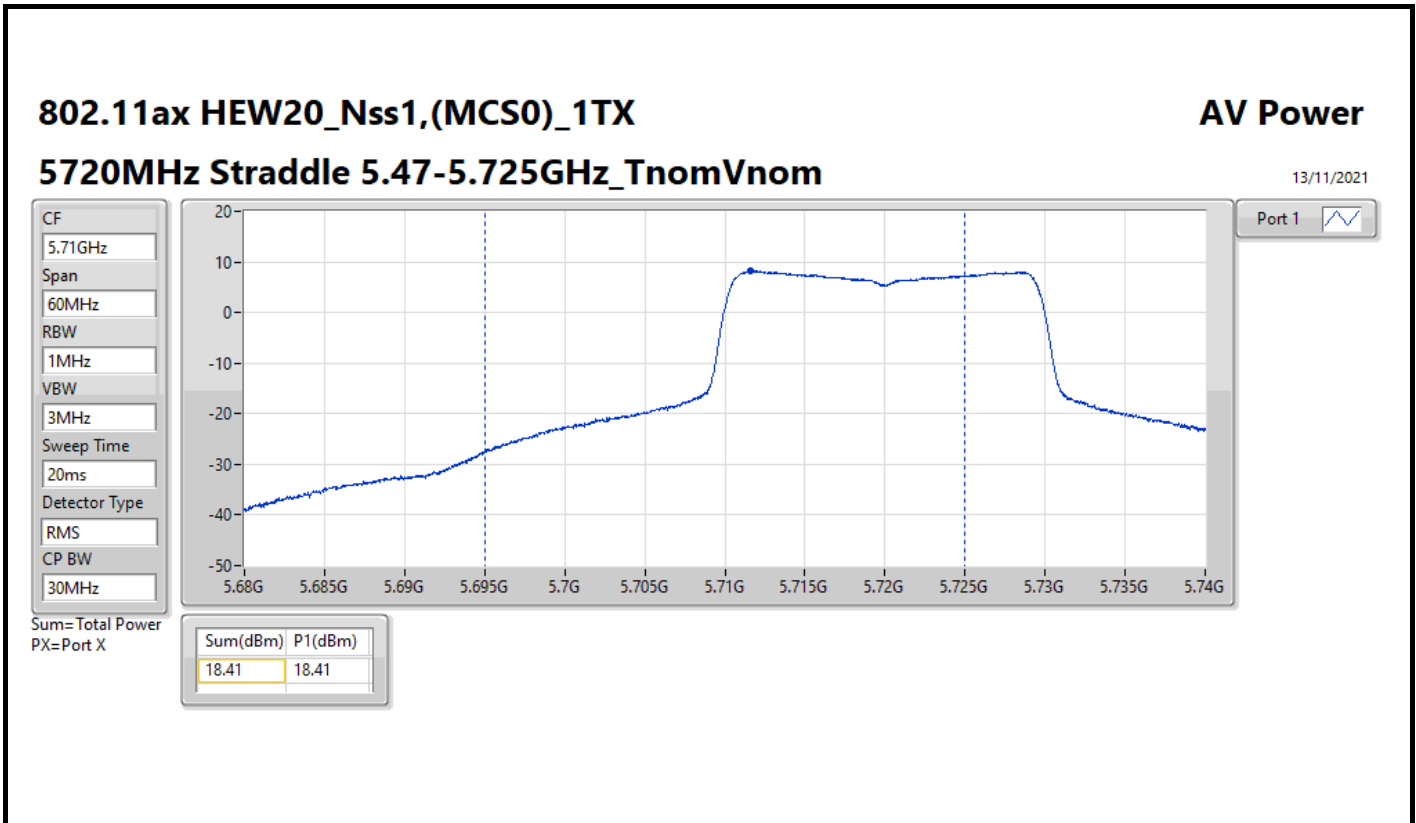


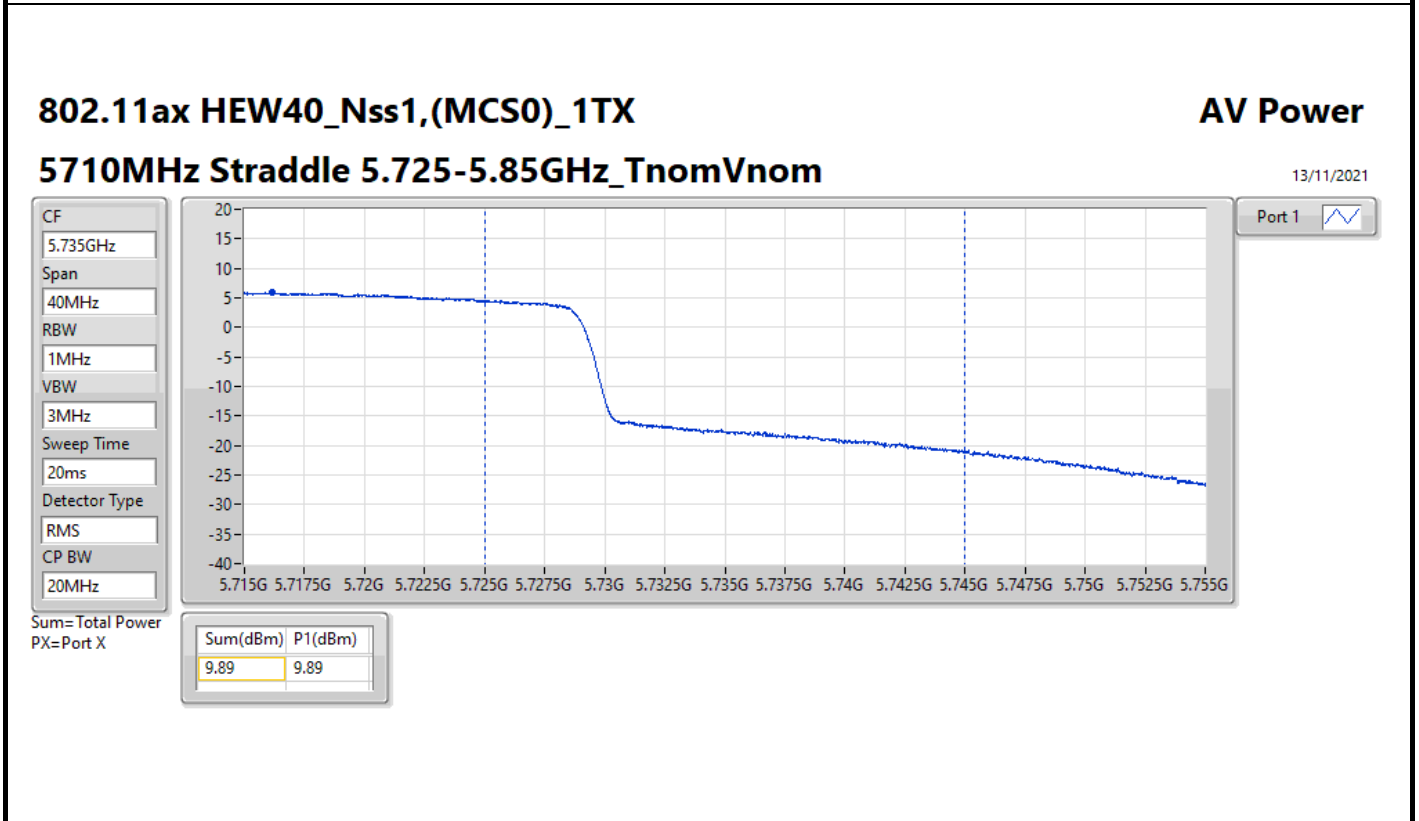
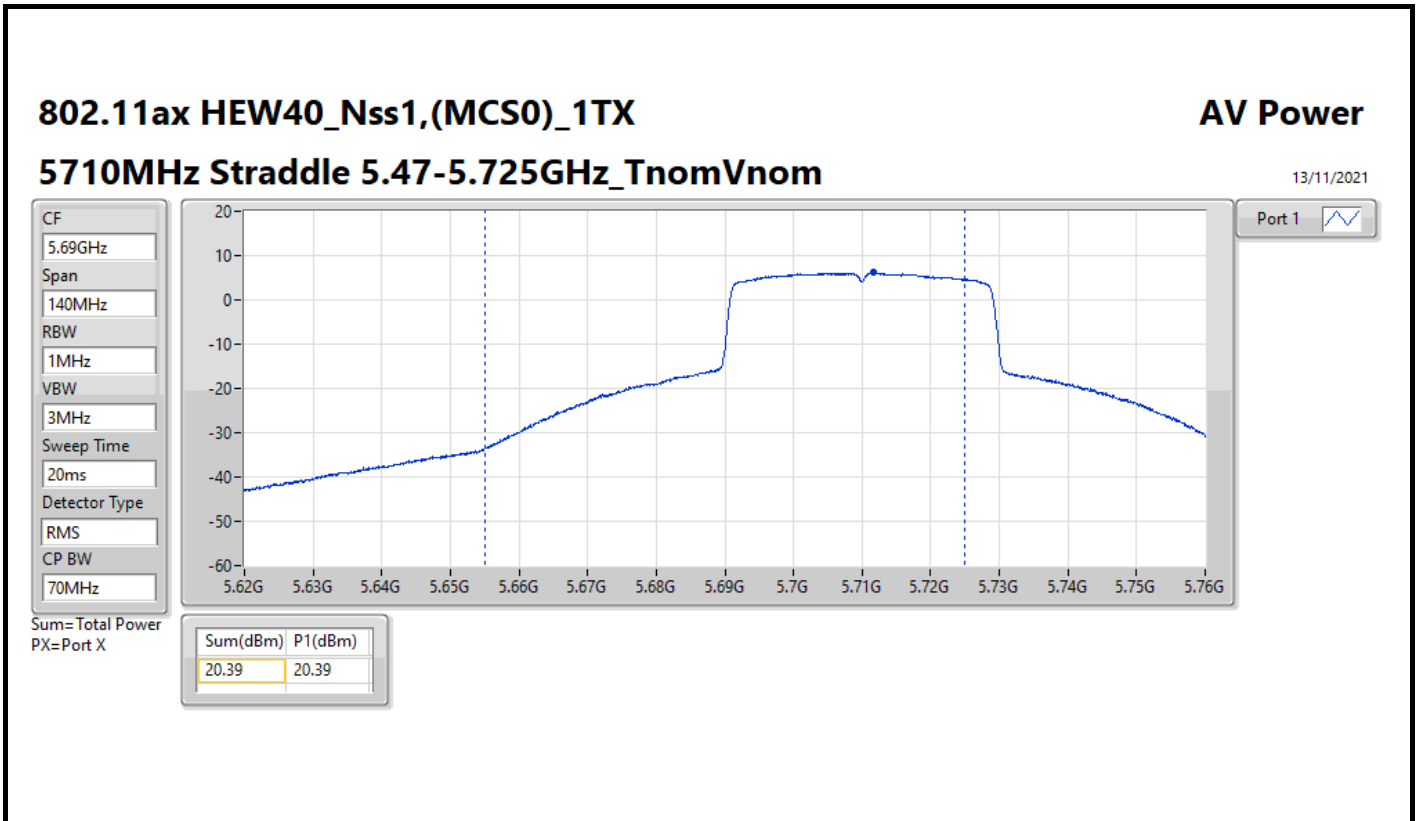
Result

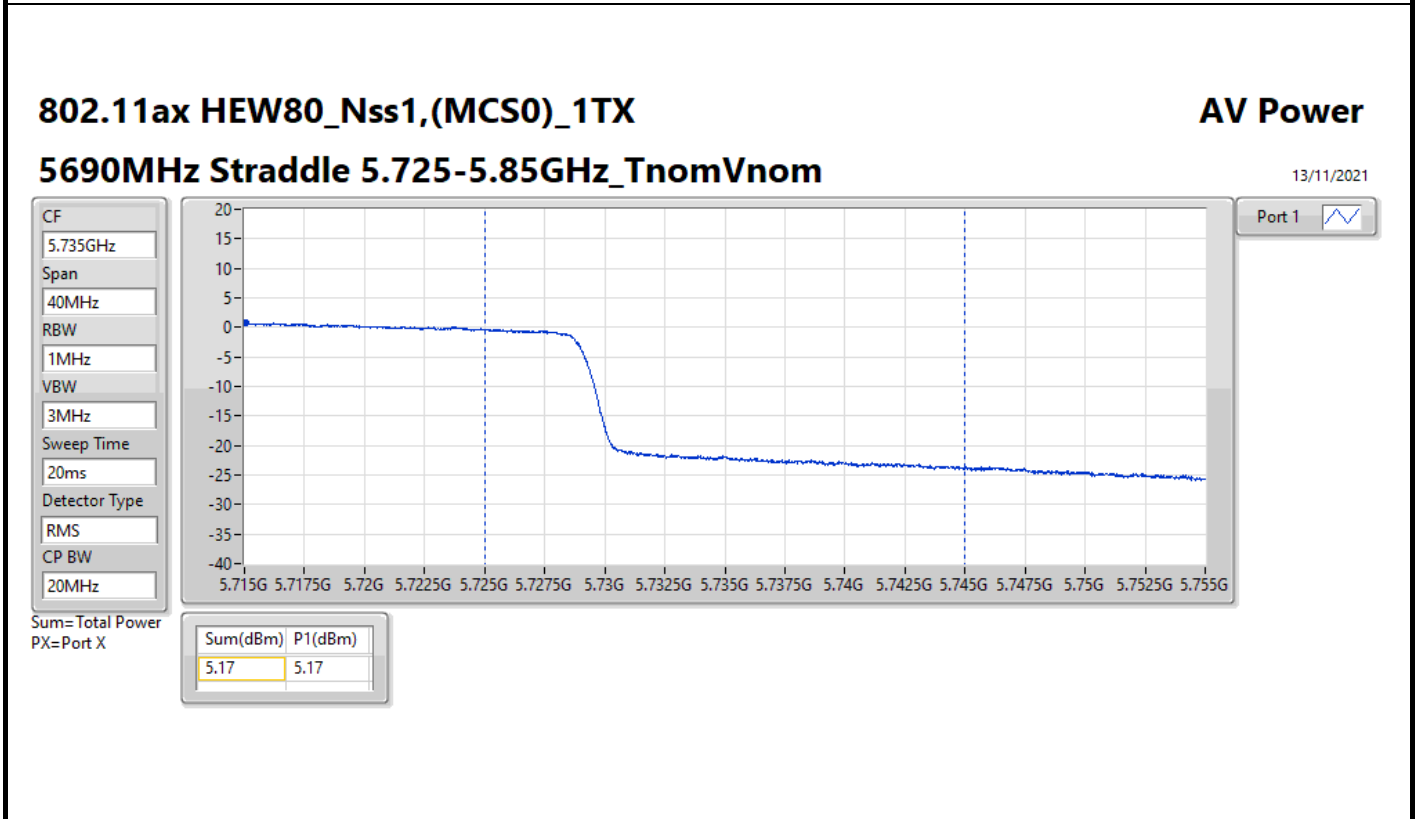
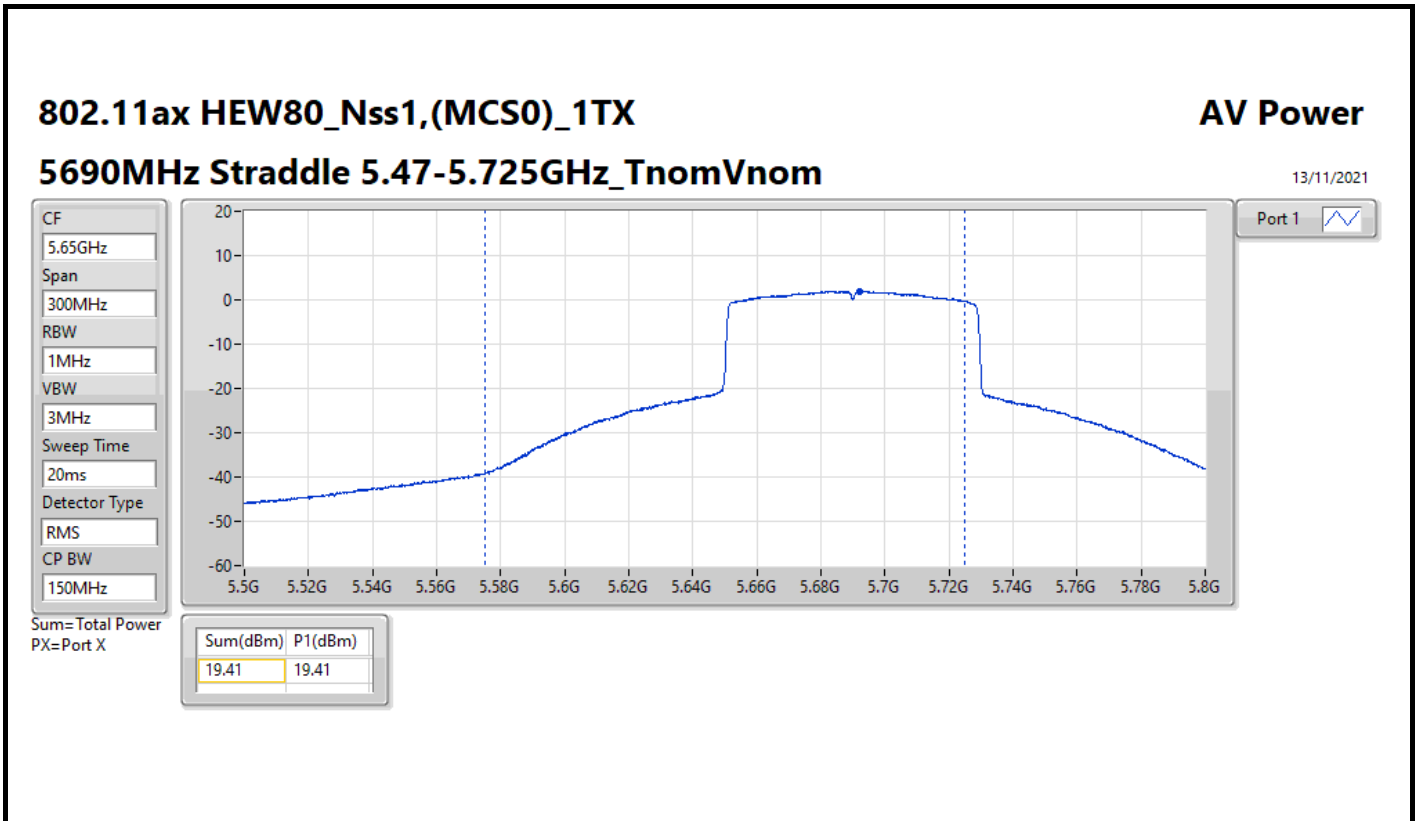
Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5500MHz	Pass	3.54	17.76	17.76	23.98
5580MHz	Pass	3.54	17.81	17.81	23.98
5700MHz	Pass	3.54	17.69	17.69	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.54	18.70	18.70	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	13.26	13.26	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5500MHz	Pass	3.54	18.06	18.06	23.98
5580MHz	Pass	3.54	18.03	18.03	23.98
5700MHz	Pass	3.54	17.79	17.79	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.54	18.41	18.41	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	14.06	14.06	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5510MHz	Pass	3.54	17.16	17.16	23.98
5550MHz	Pass	3.54	19.03	19.03	23.98
5670MHz	Pass	3.54	18.59	18.59	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.54	20.39	20.39	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.33	9.89	9.89	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5530MHz	Pass	3.54	16.58	16.58	23.98
5610MHz	Pass	3.54	18.04	18.04	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.54	19.41	19.41	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.33	5.17	5.17	30.00

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











Summary

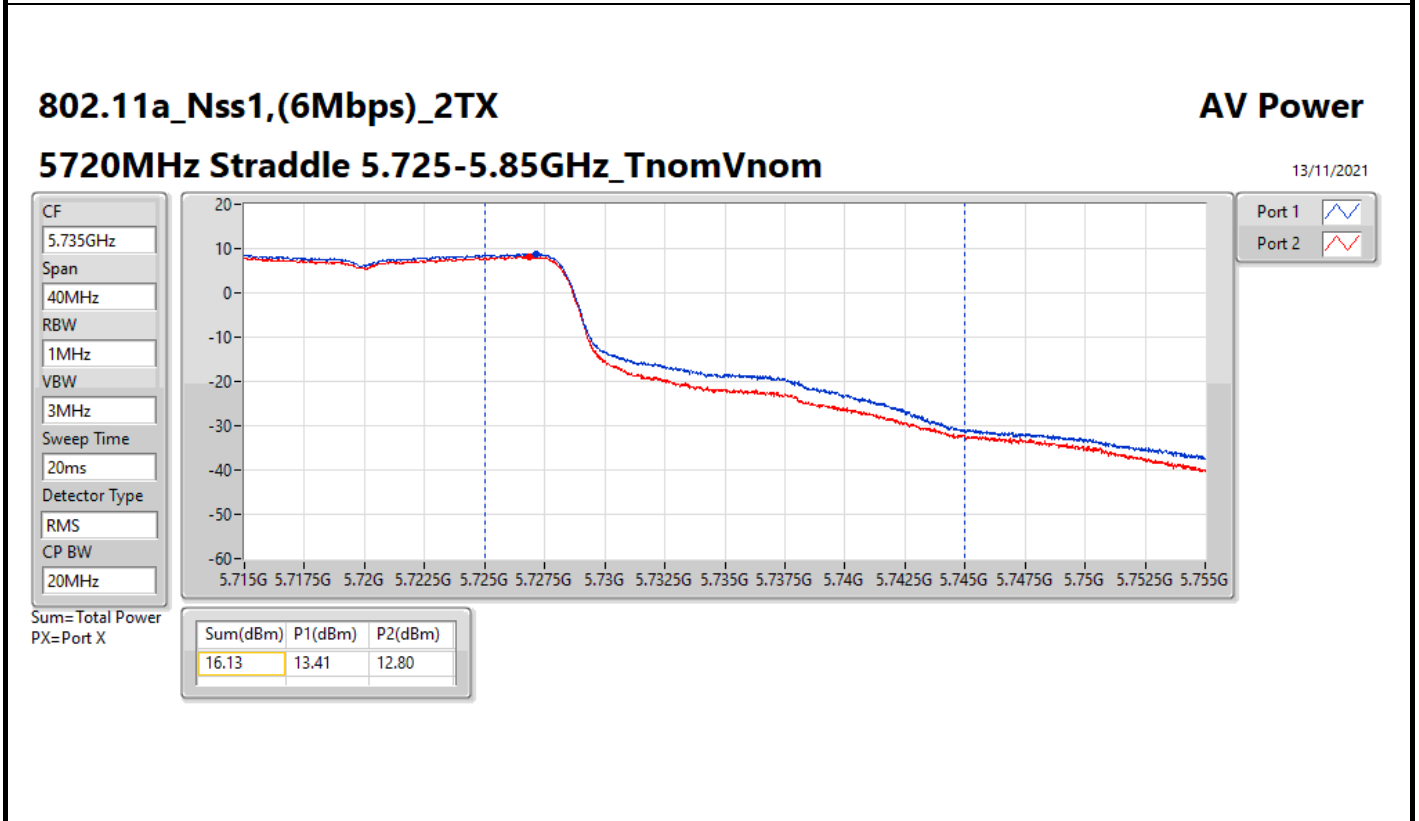
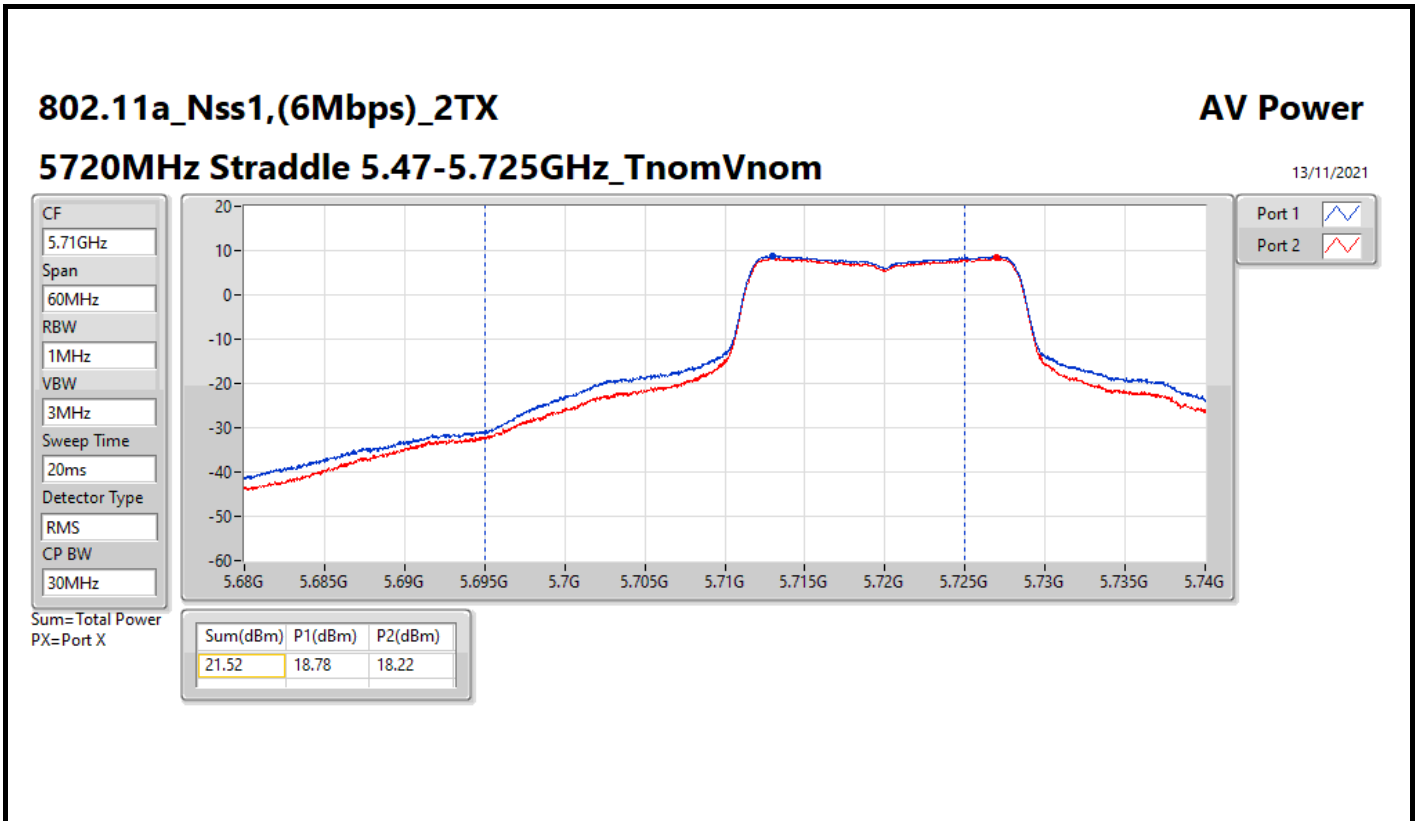
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.52	0.14191
802.11ax HEW20_Nss1,(MCS0)_2TX	20.95	0.12445
802.11ax HEW40_Nss1,(MCS0)_2TX	22.57	0.18072
802.11ax HEW80_Nss1,(MCS0)_2TX	21.95	0.15668
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.13	0.04102
802.11ax HEW20_Nss1,(MCS0)_2TX	16.67	0.04645
802.11ax HEW40_Nss1,(MCS0)_2TX	12.09	0.01618
802.11ax HEW80_Nss1,(MCS0)_2TX	7.67	0.00585

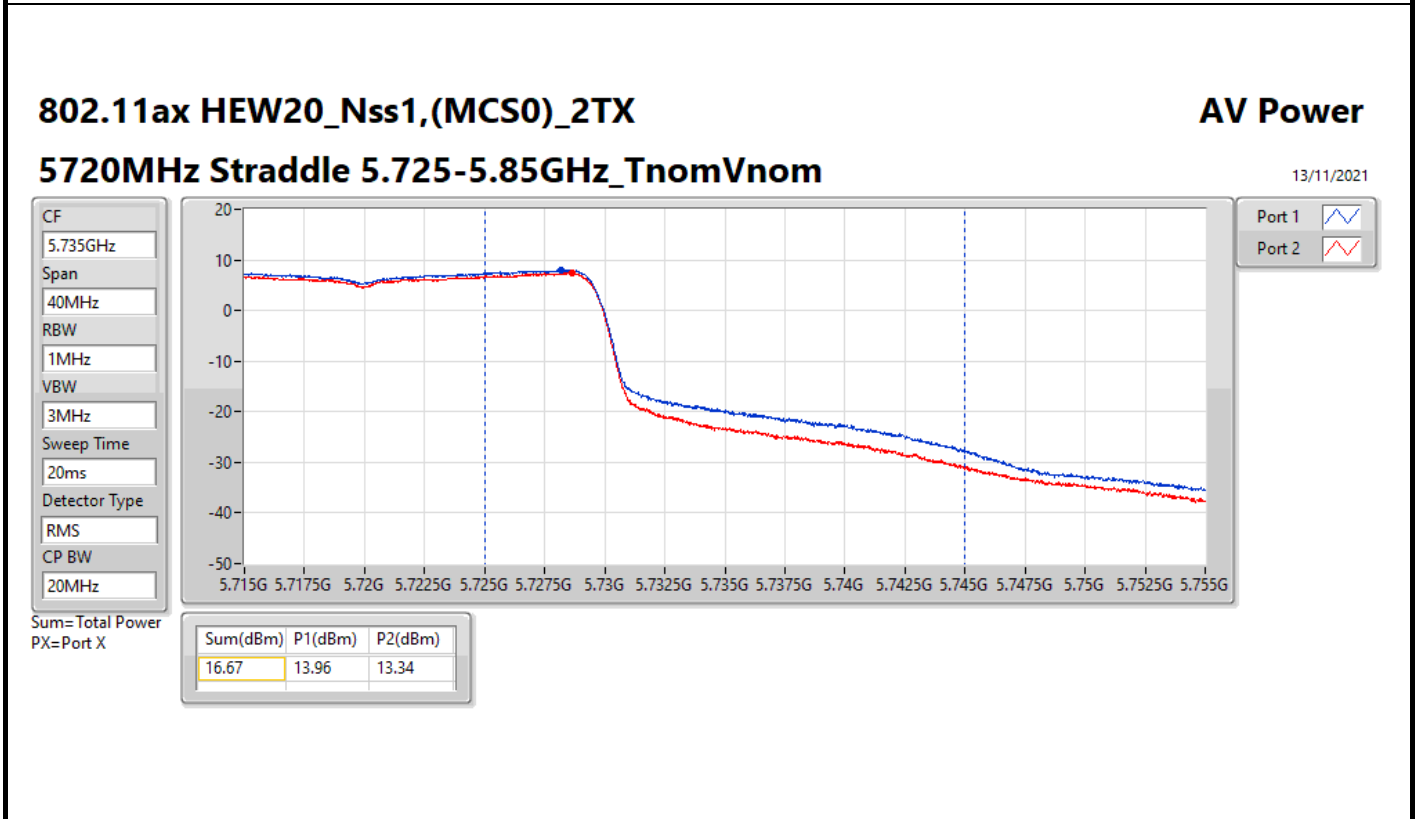
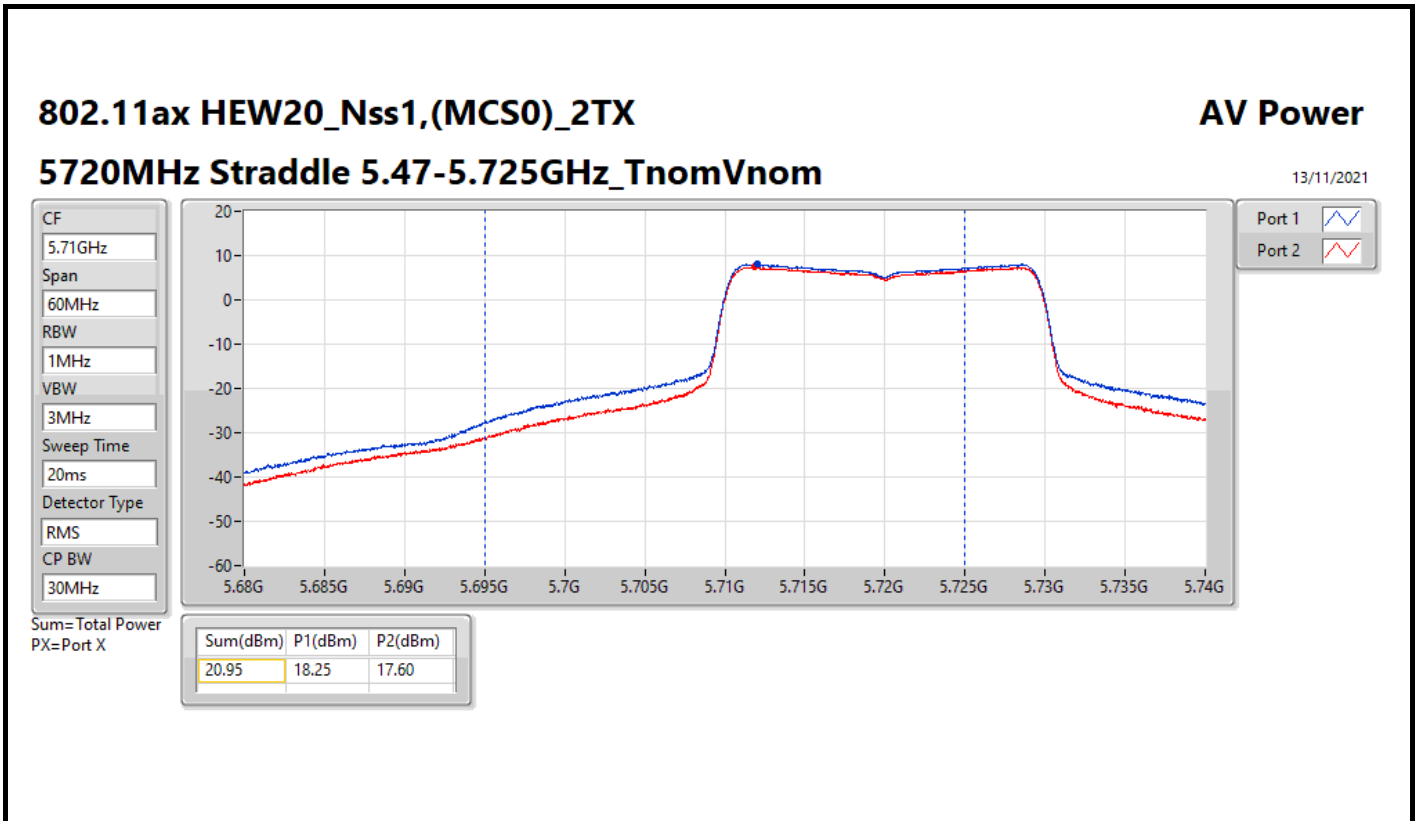


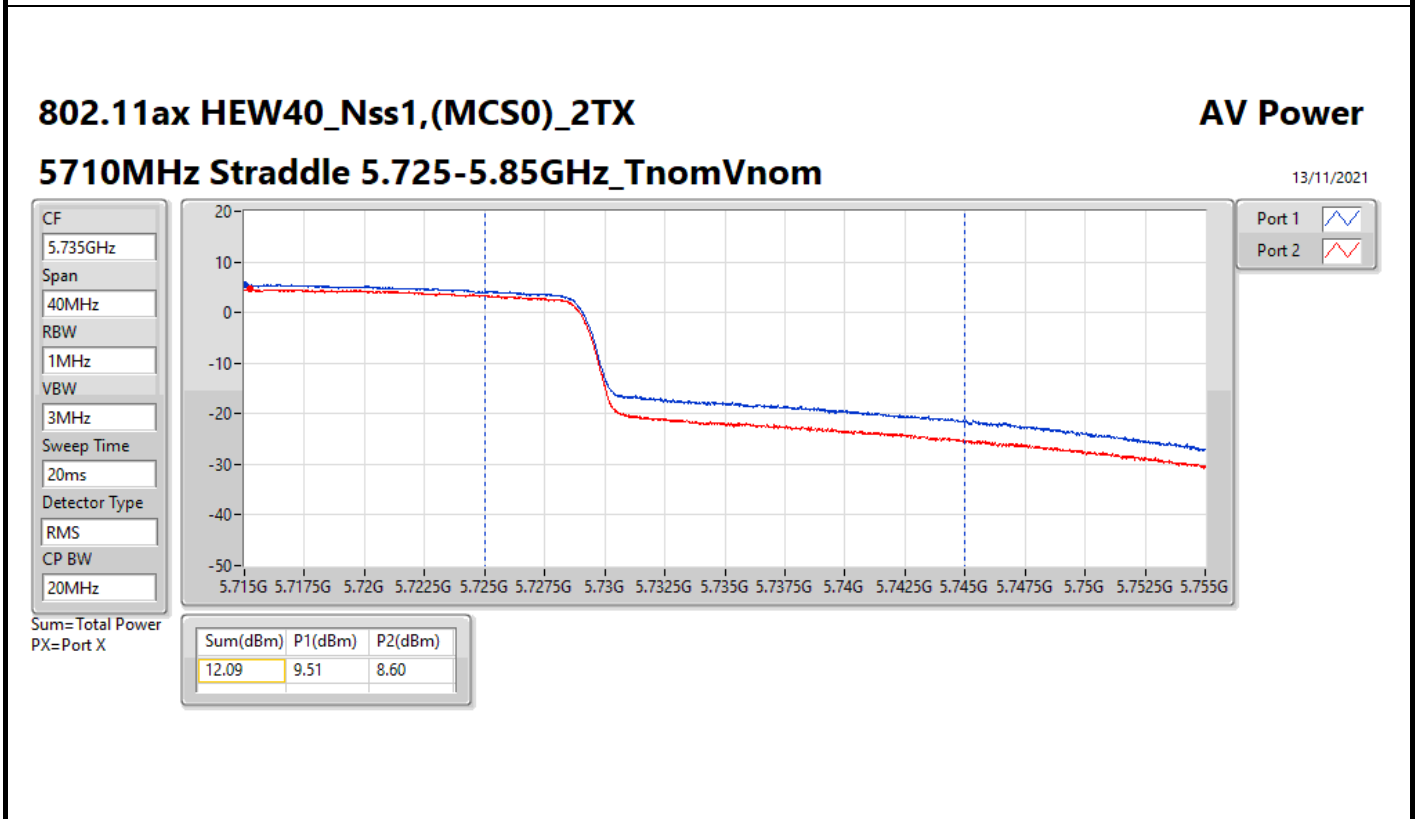
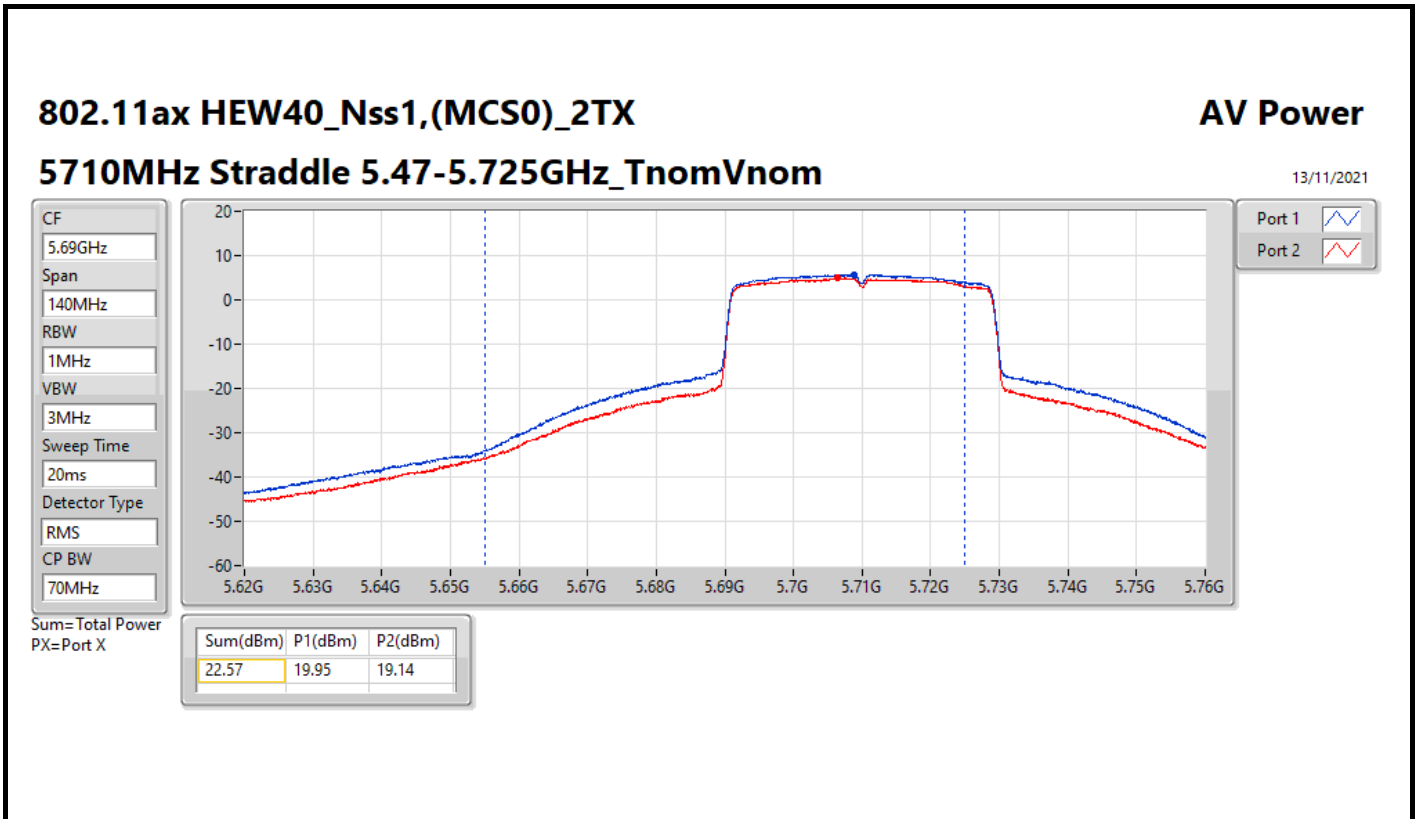
Result

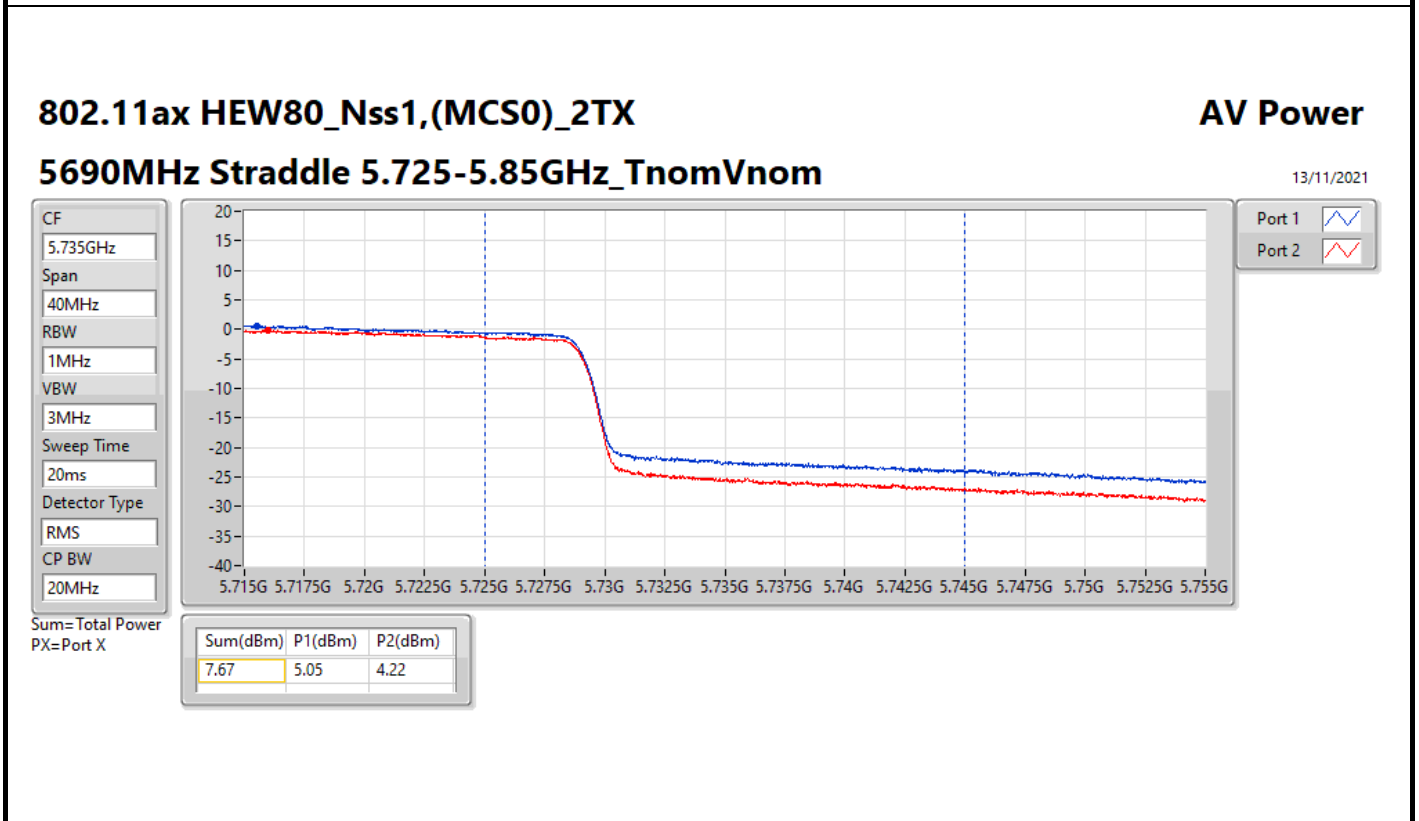
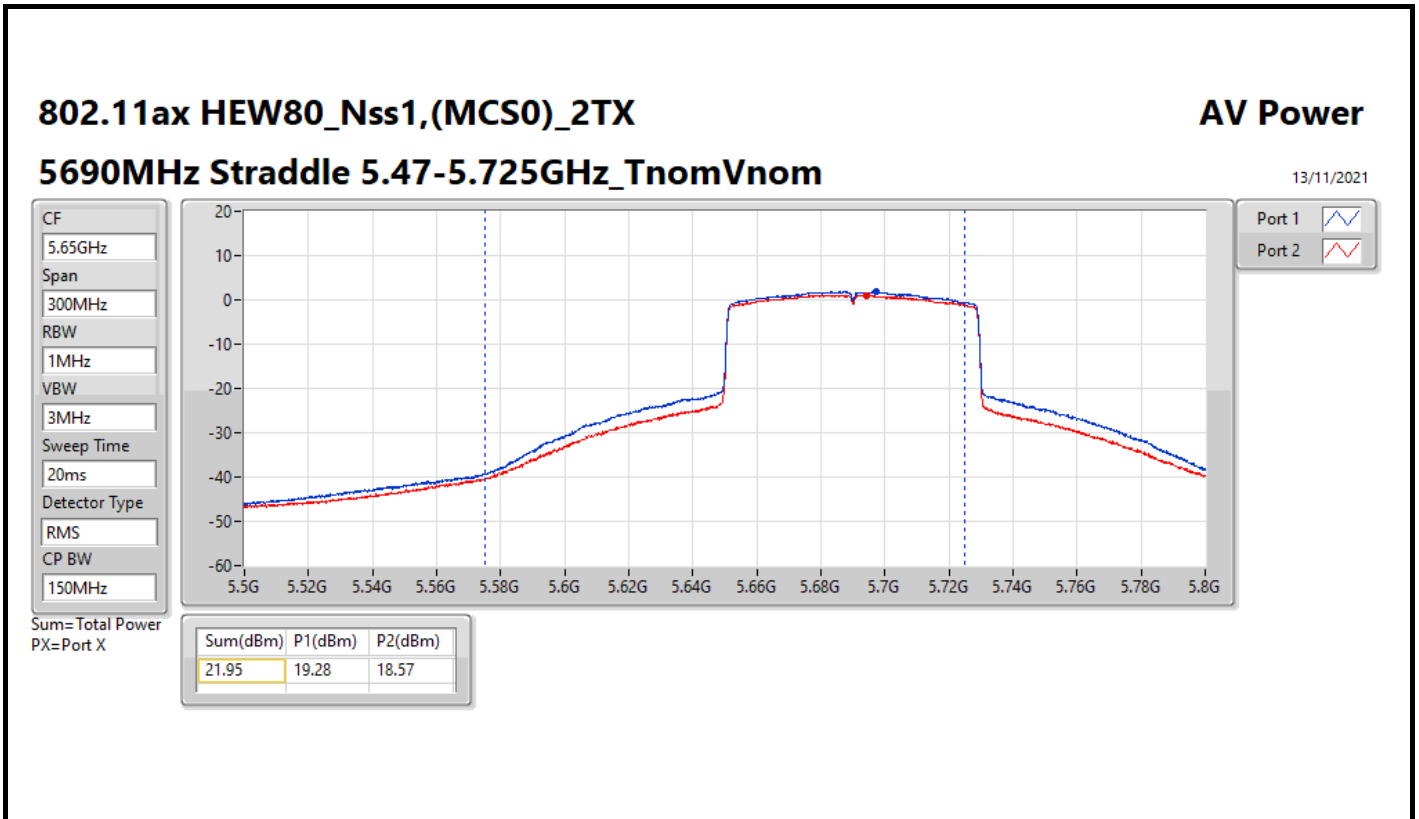
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5500MHz	Pass	3.54	17.13	16.72	19.94	23.98
5580MHz	Pass	3.54	17.83	17.41	20.64	23.98
5700MHz	Pass	3.54	17.24	16.68	19.98	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.54	18.78	18.22	21.52	23.52
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	13.41	12.80	16.13	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5500MHz	Pass	3.54	17.06	16.61	19.85	23.98
5580MHz	Pass	3.54	18.06	17.69	20.89	23.98
5700MHz	Pass	3.54	16.77	16.19	19.50	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.54	18.25	17.60	20.95	23.45
5720MHz Straddle 5.725-5.85GHz	Pass	4.33	13.96	13.34	16.67	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5510MHz	Pass	3.54	16.18	15.56	18.89	23.98
5550MHz	Pass	3.54	18.96	18.23	21.62	23.98
5670MHz	Pass	3.54	17.52	17.08	20.32	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.54	19.95	19.14	22.57	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.33	9.51	8.60	12.09	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5530MHz	Pass	3.54	15.97	15.32	18.67	23.98
5610MHz	Pass	3.54	17.45	16.91	20.20	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.54	19.28	18.57	21.95	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.33	5.05	4.22	7.67	30.00

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











Summary

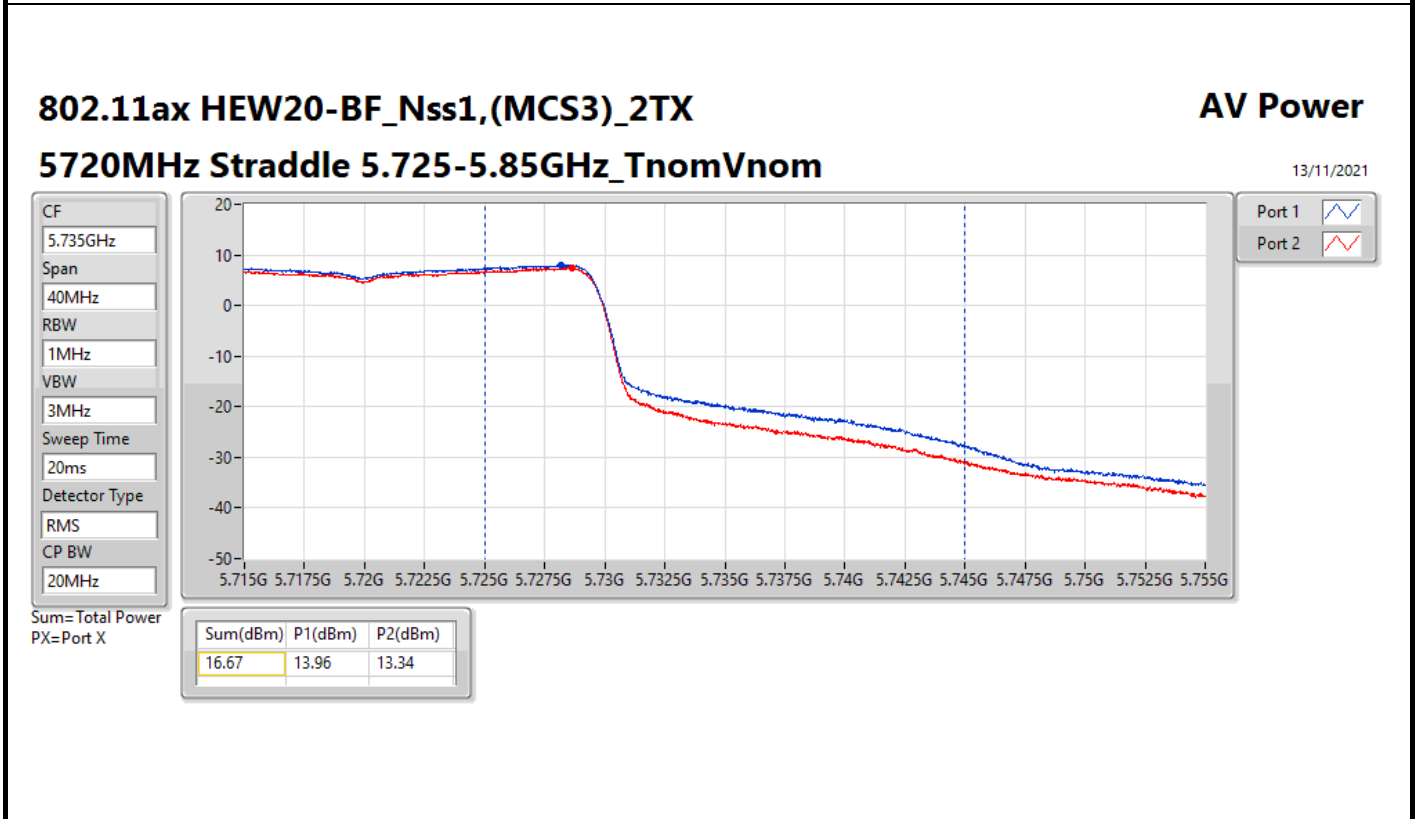
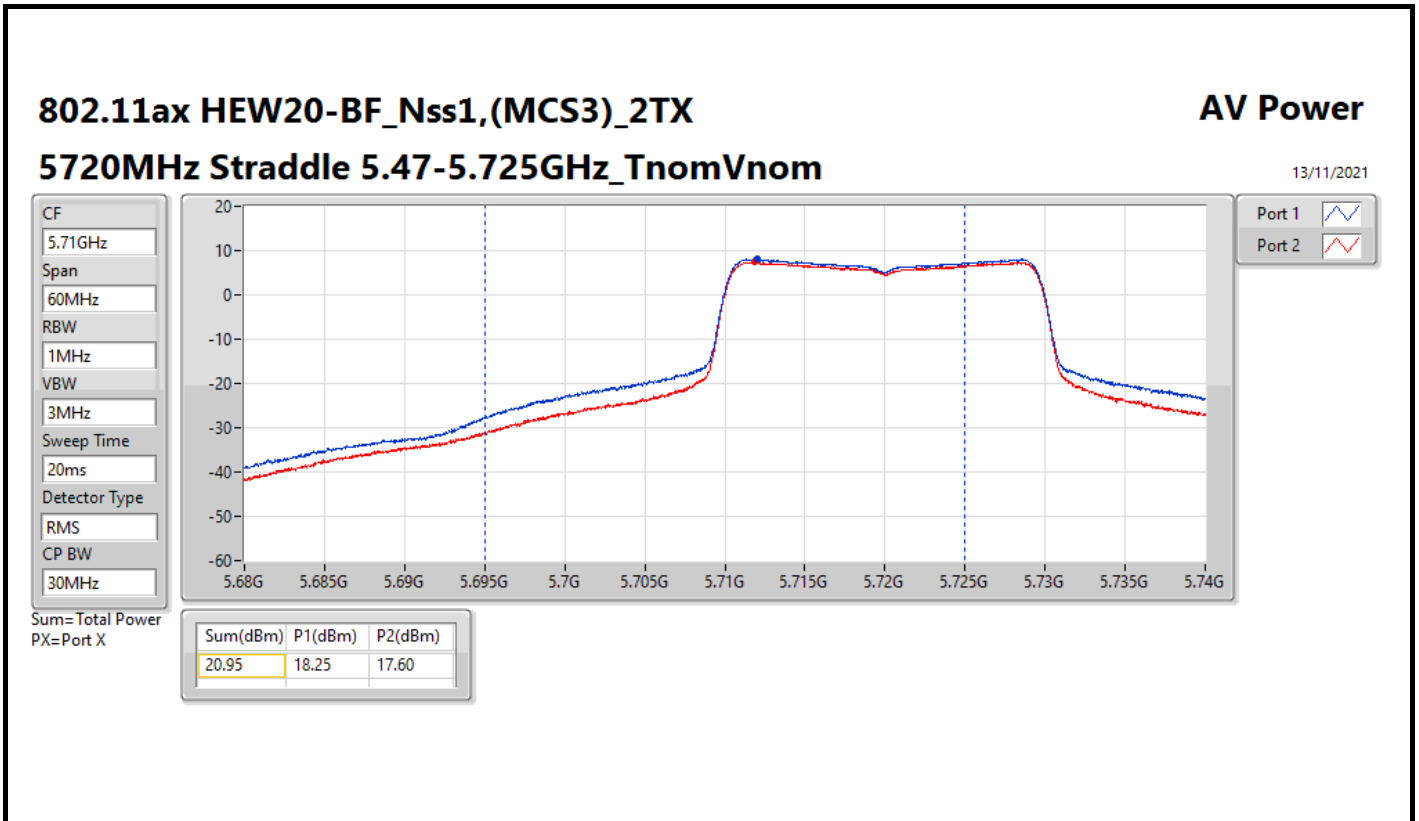
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	20.95	0.12445
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	22.57	0.18072
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	21.95	0.15668
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	16.67	0.04645
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	12.09	0.01618
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	7.67	0.00585

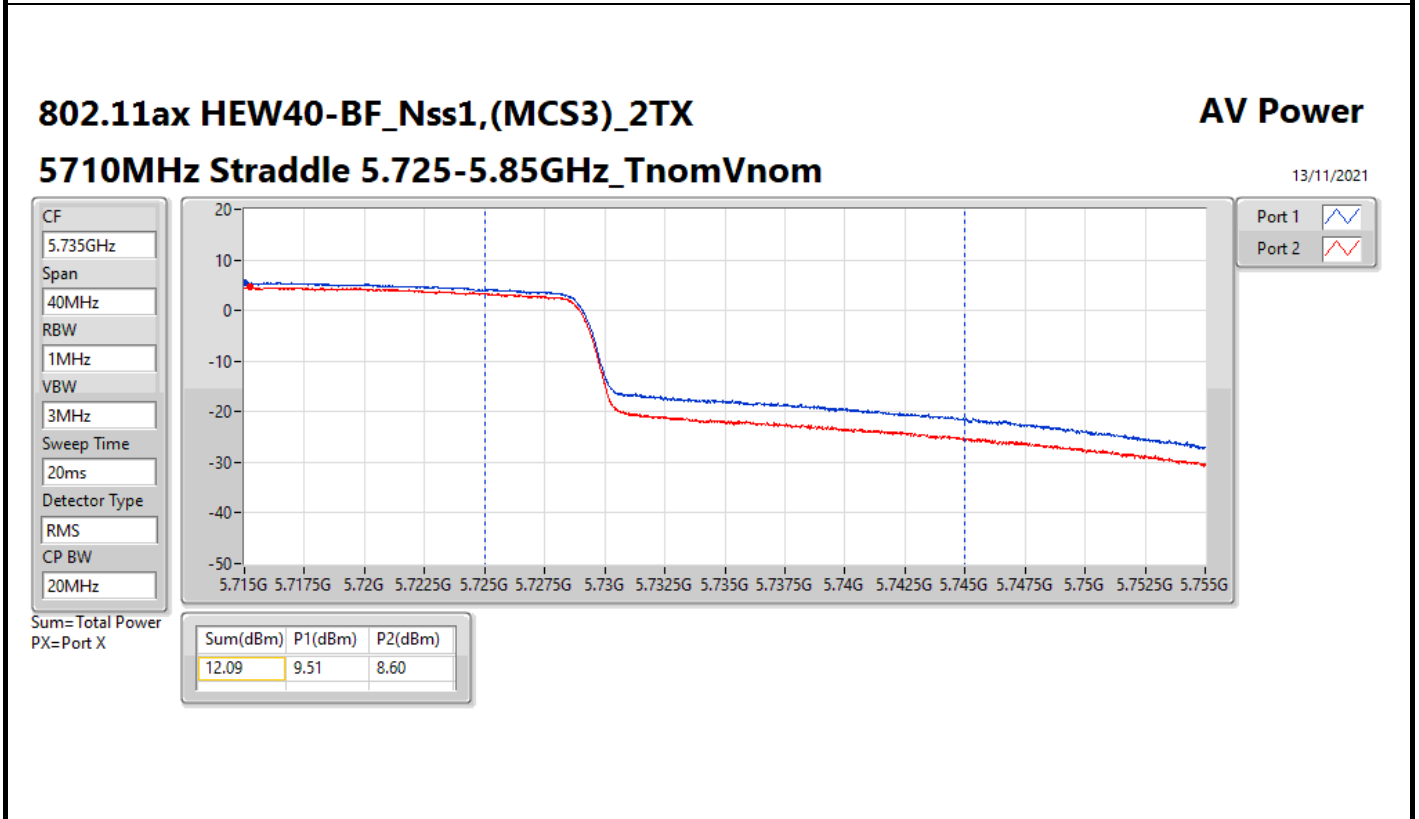
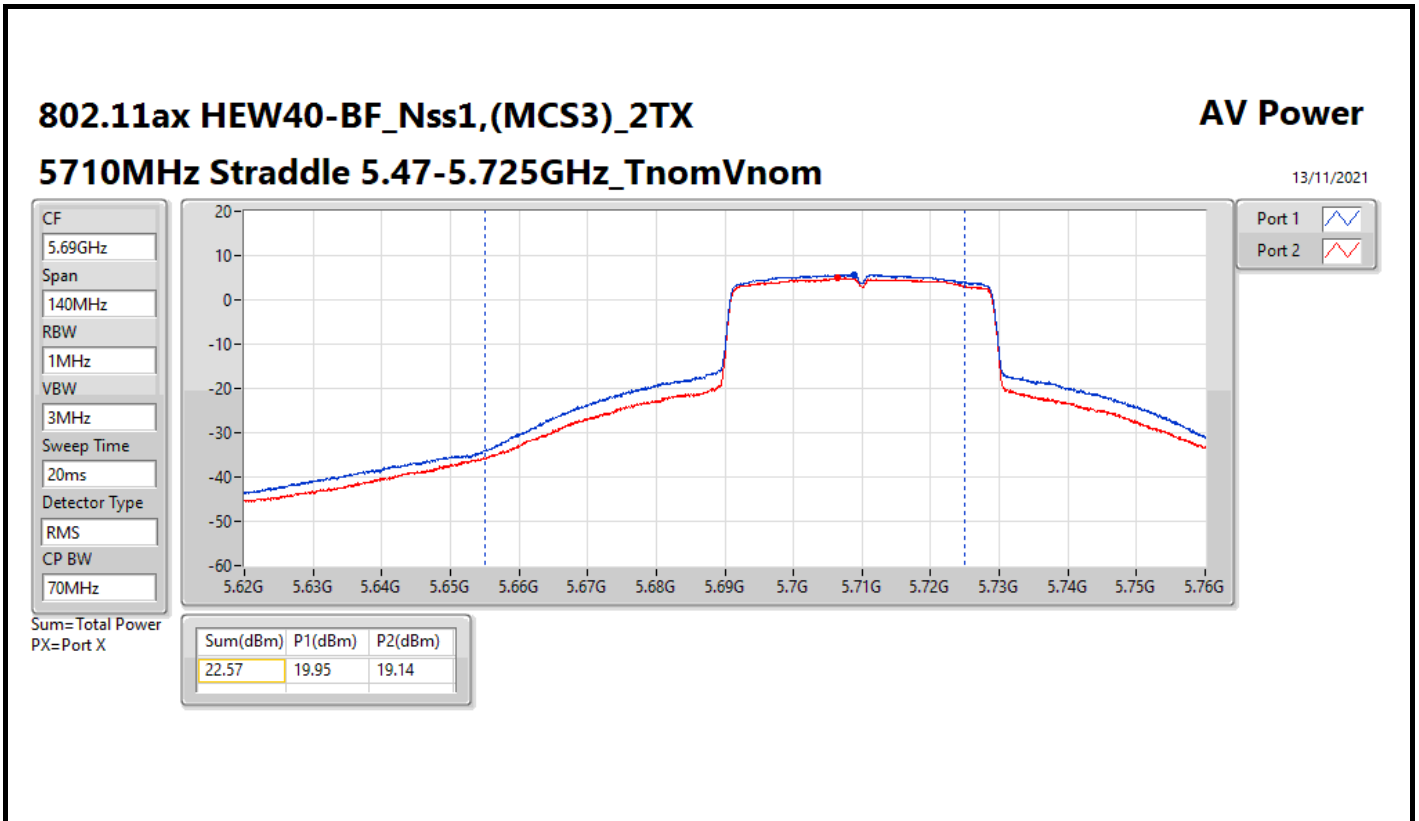


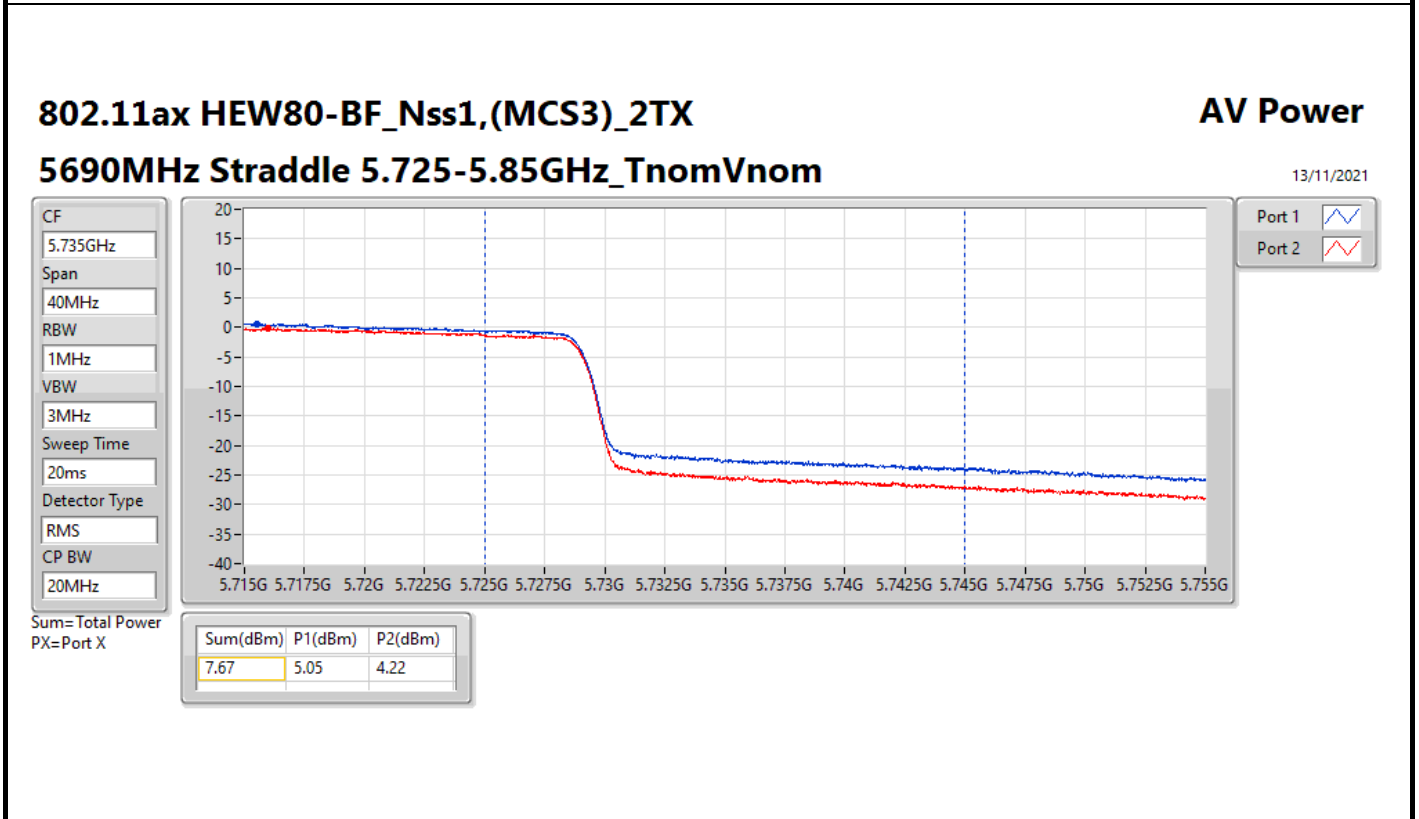
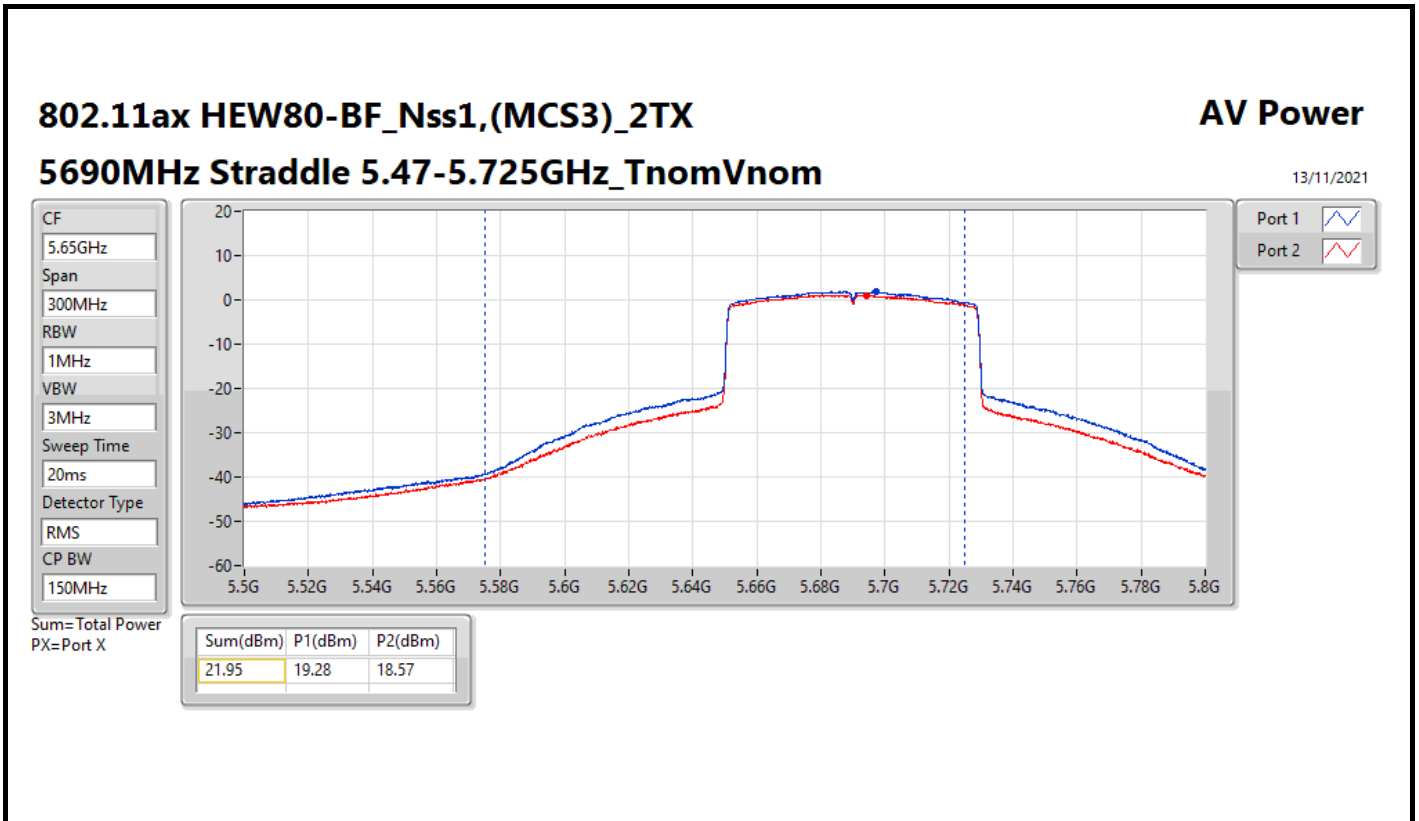
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5500MHz	Pass	5.32	17.06	16.61	19.85	23.98
5580MHz	Pass	5.32	18.06	17.69	20.89	23.98
5700MHz	Pass	5.32	16.77	16.19	19.50	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.32	18.25	17.6	20.95	23.45
5720MHz Straddle 5.725-5.85GHz	Pass	6.01	13.96	13.34	16.67	29.99
802.11ax HEW40-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5510MHz	Pass	5.32	16.18	15.56	18.89	23.98
5550MHz	Pass	5.32	18.96	18.23	21.62	23.98
5670MHz	Pass	5.32	17.52	17.08	20.32	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.32	19.95	19.14	22.57	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.01	9.51	8.6	12.09	29.99
802.11ax HEW80-BF_Nss1,(MCS3)_2TX	-	-	-	-	-	-
5530MHz	Pass	5.32	15.97	15.32	18.67	23.98
5610MHz	Pass	5.32	17.45	16.91	20.20	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.32	19.28	18.57	21.95	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.01	5.05	4.22	7.67	29.99

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









Summary

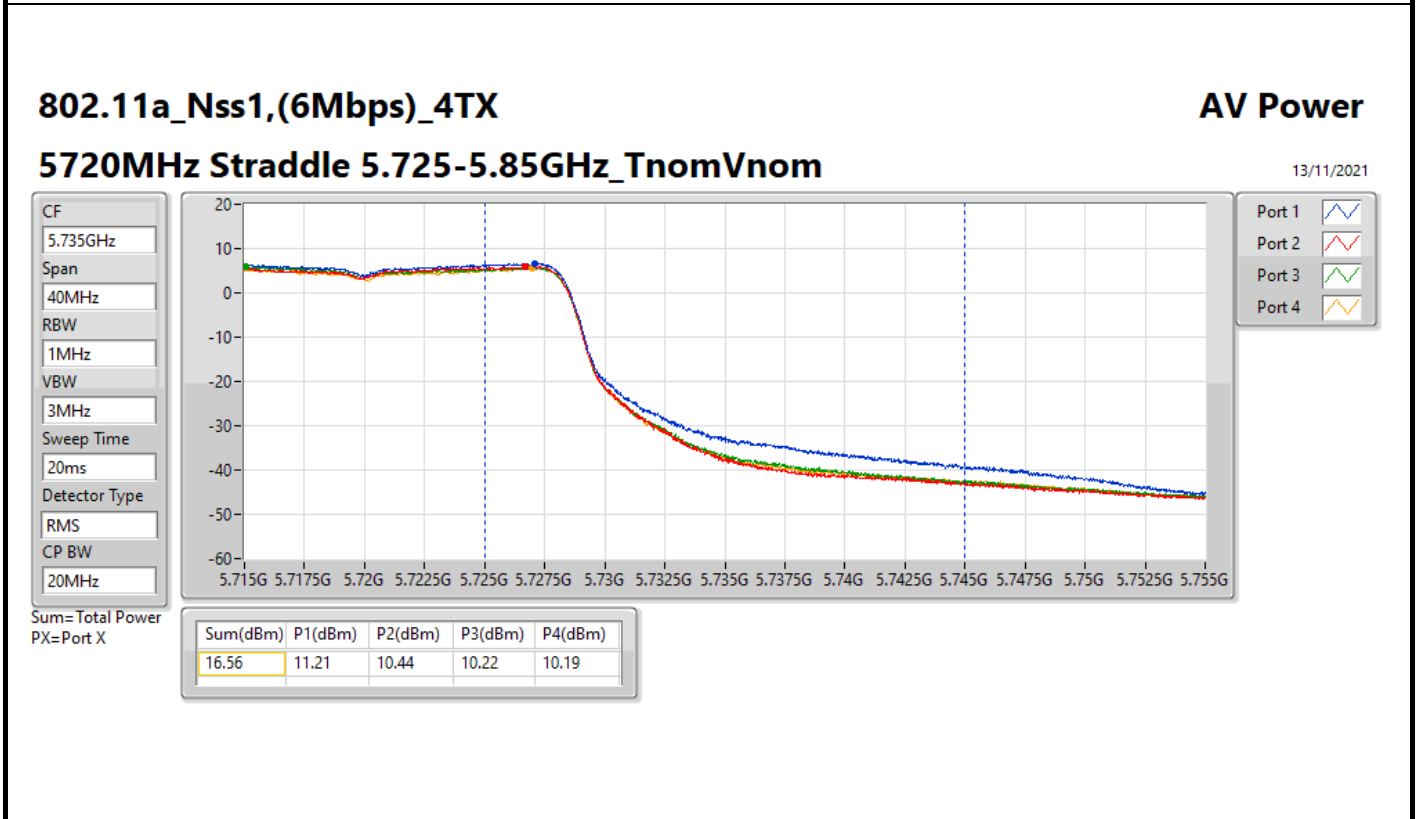
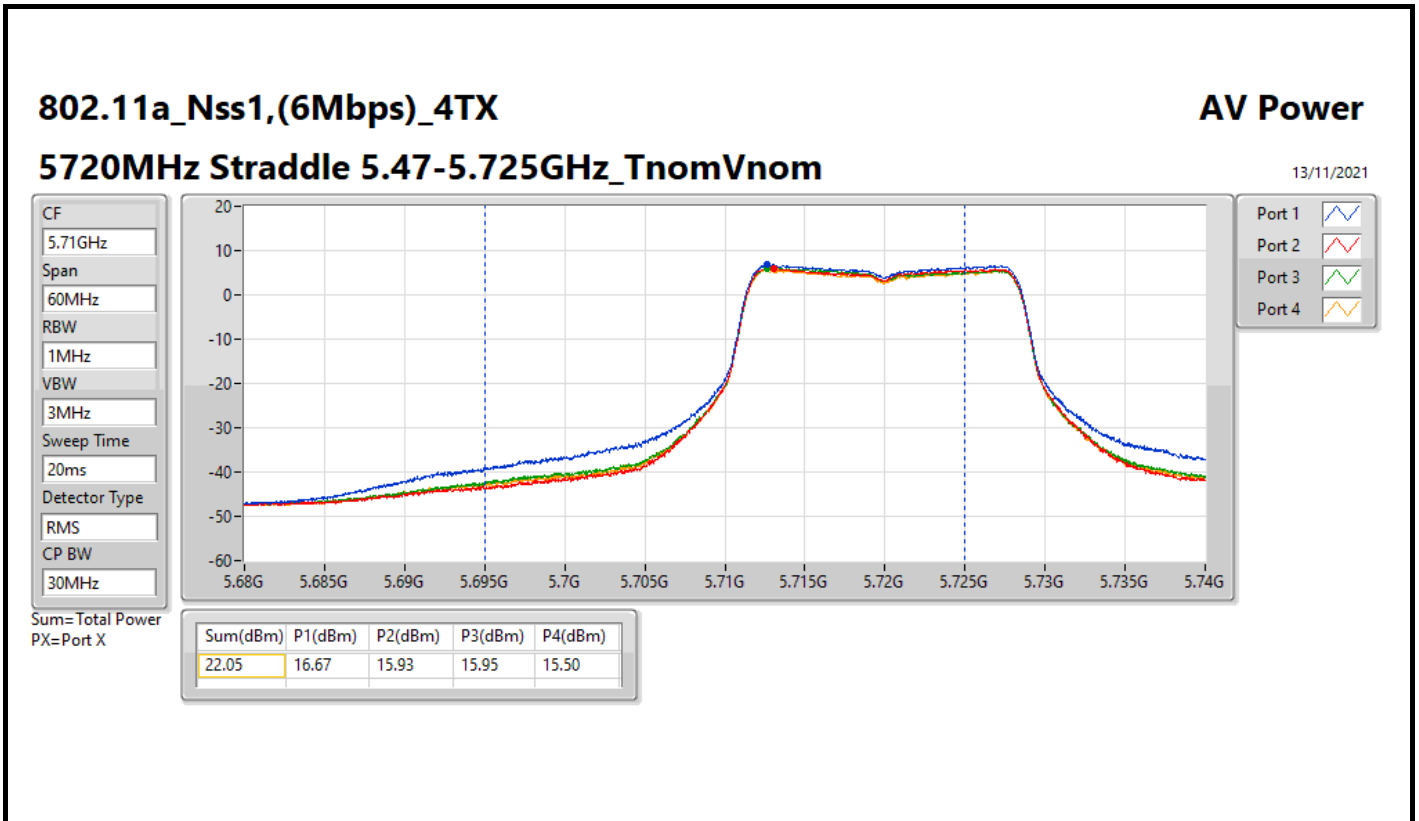
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.48	0.22284
802.11ax HEW20_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW40_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW80_Nss1,(MCS0)_4TX	23.86	0.24322
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	16.56	0.04529
802.11ax HEW20_Nss1,(MCS0)_4TX	18.30	0.06761
802.11ax HEW40_Nss1,(MCS0)_4TX	13.39	0.02183
802.11ax HEW80_Nss1,(MCS0)_4TX	9.65	0.00923

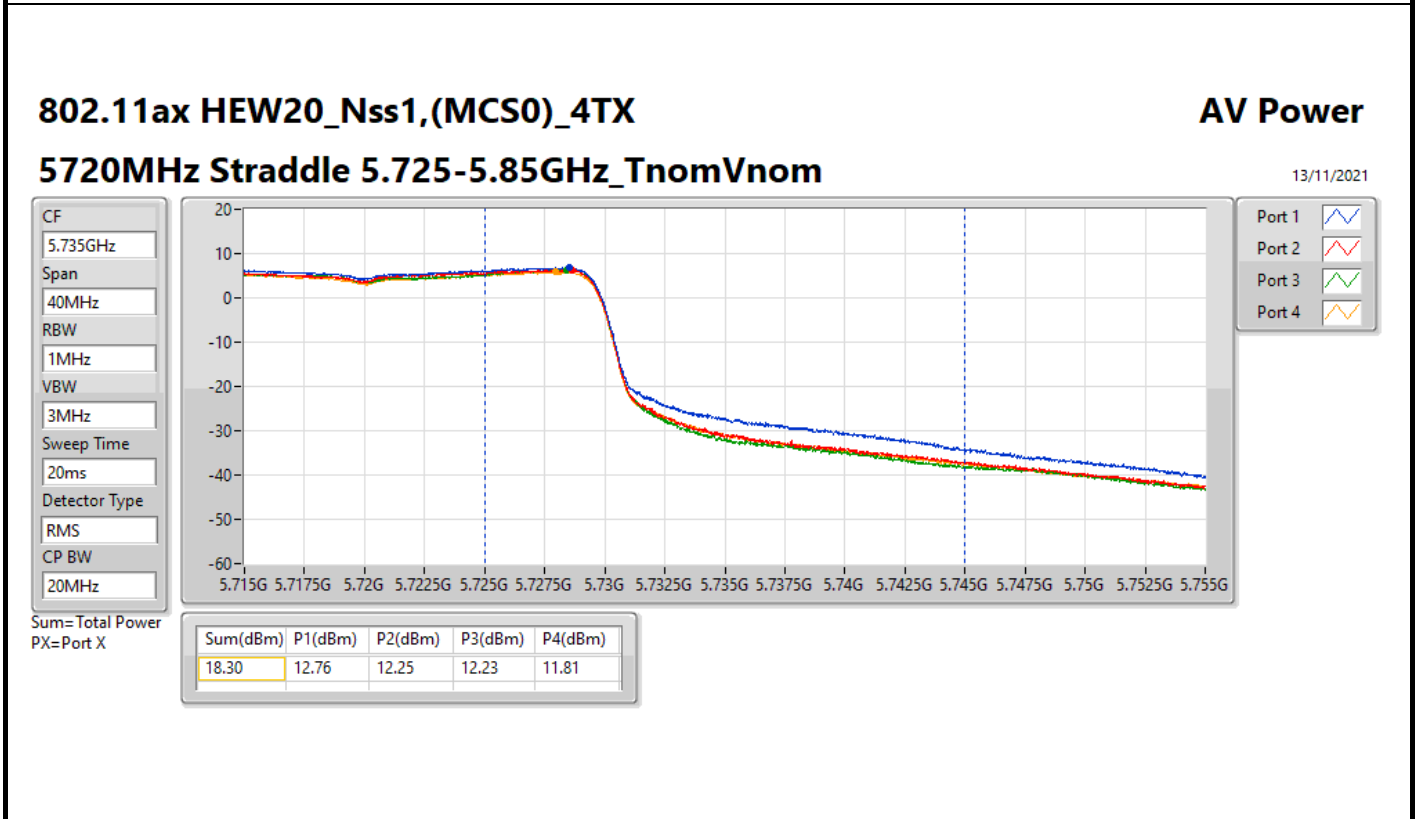
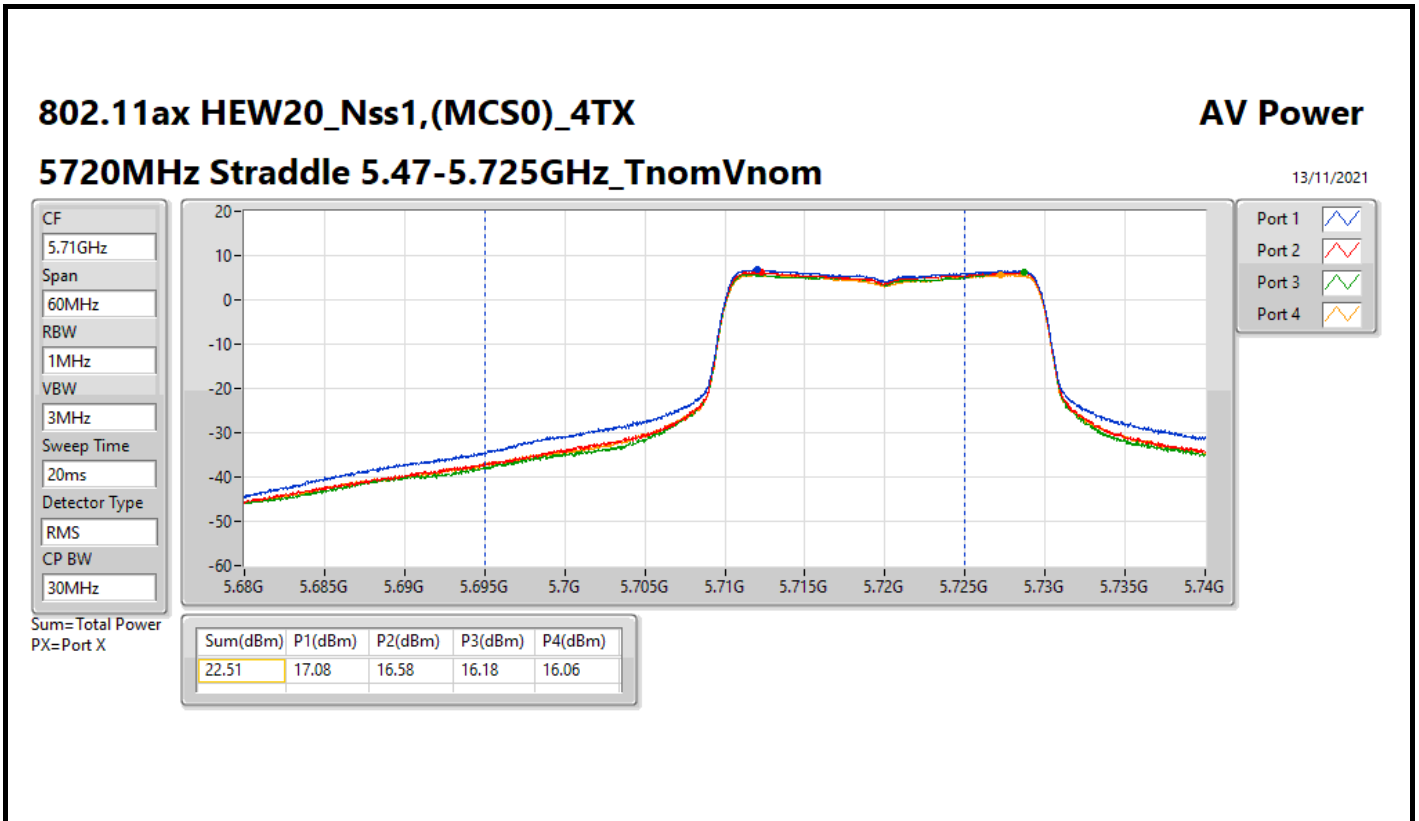


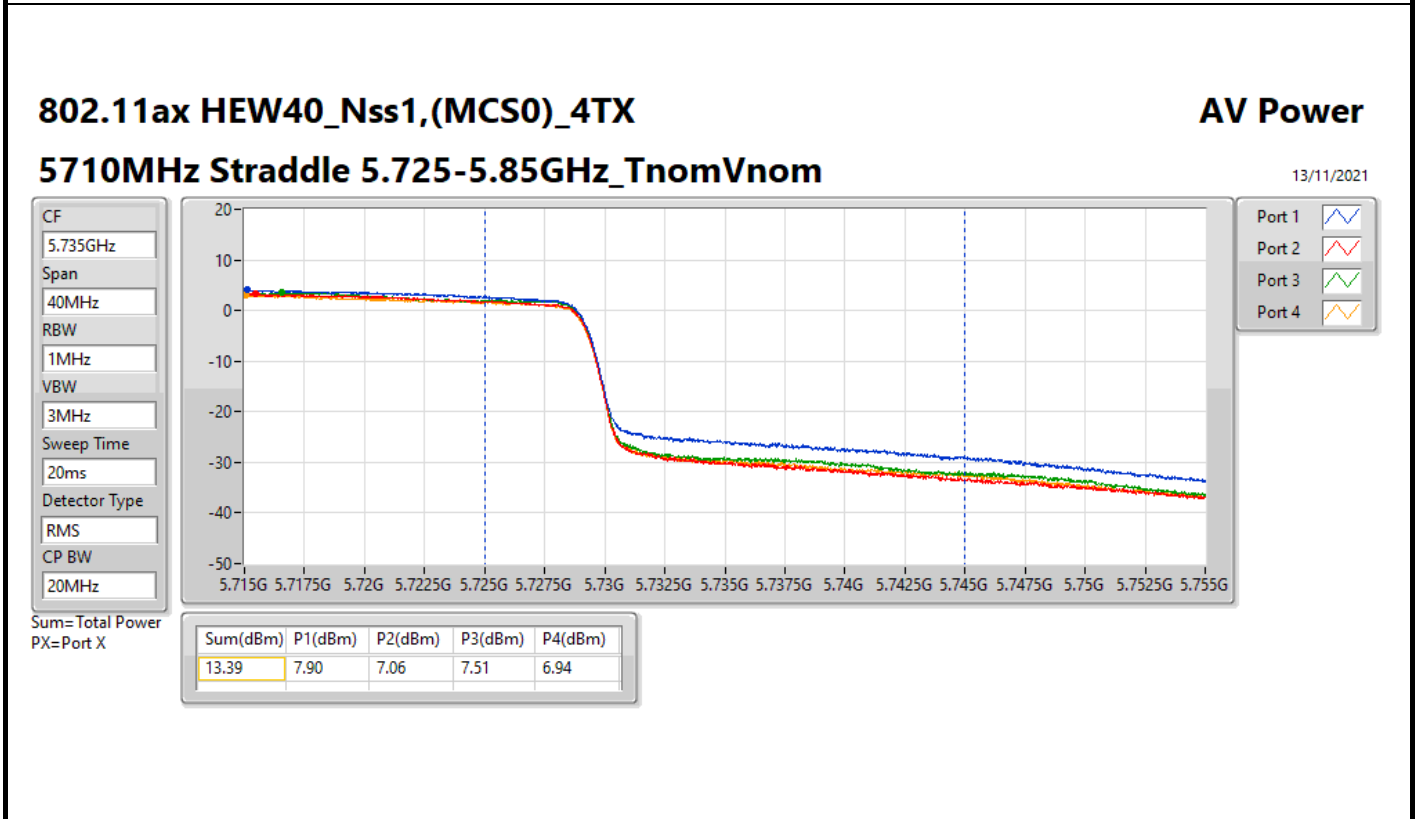
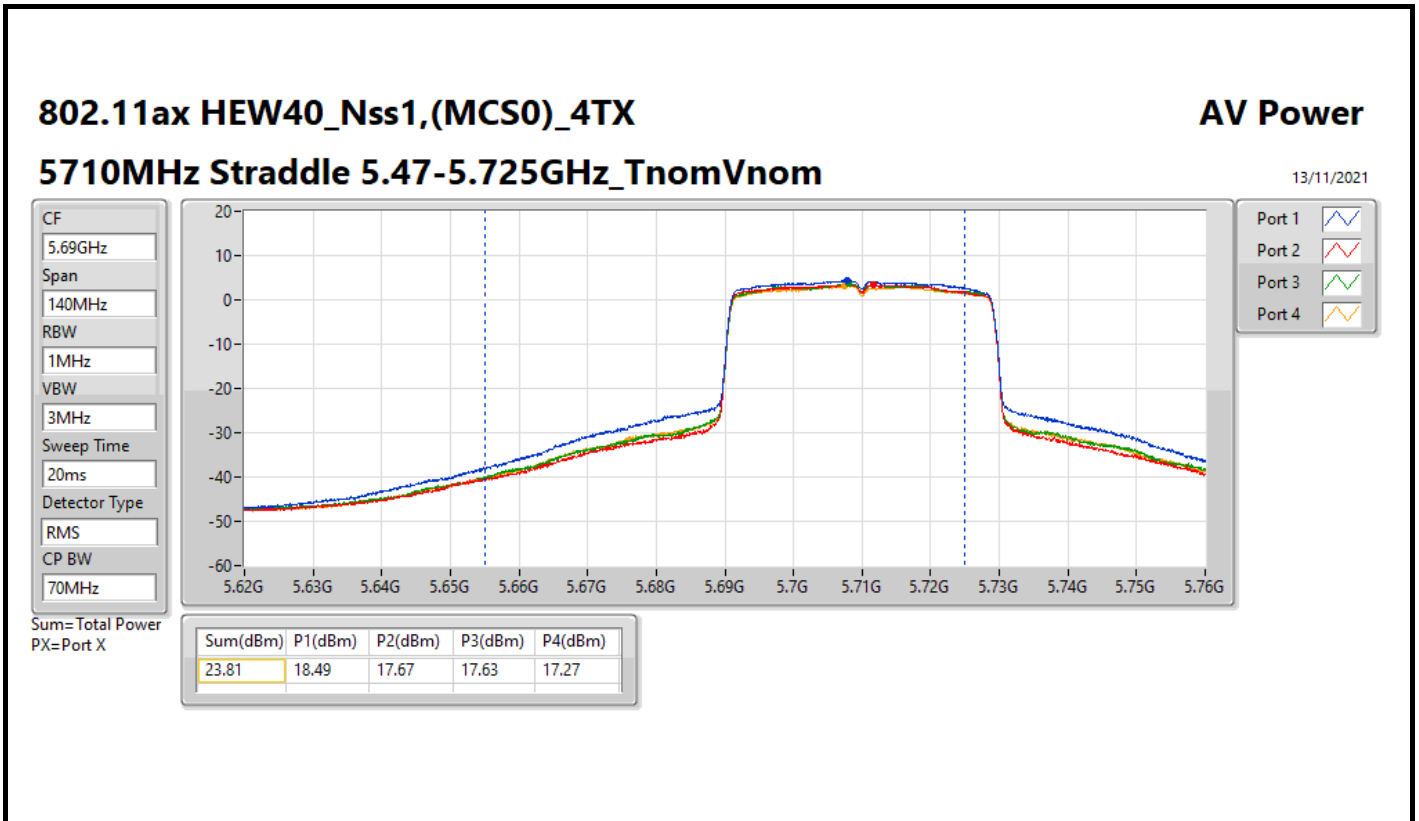
Result

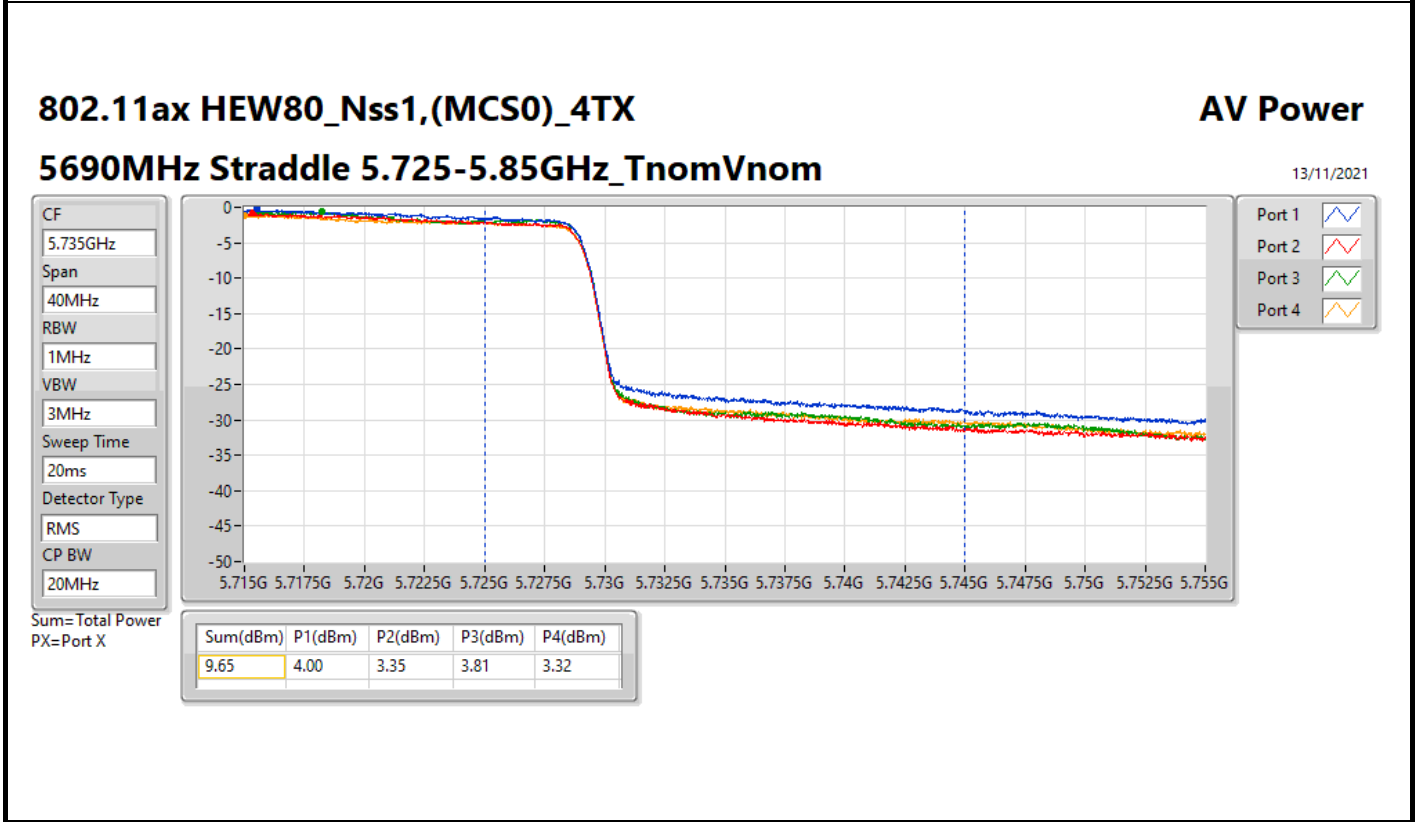
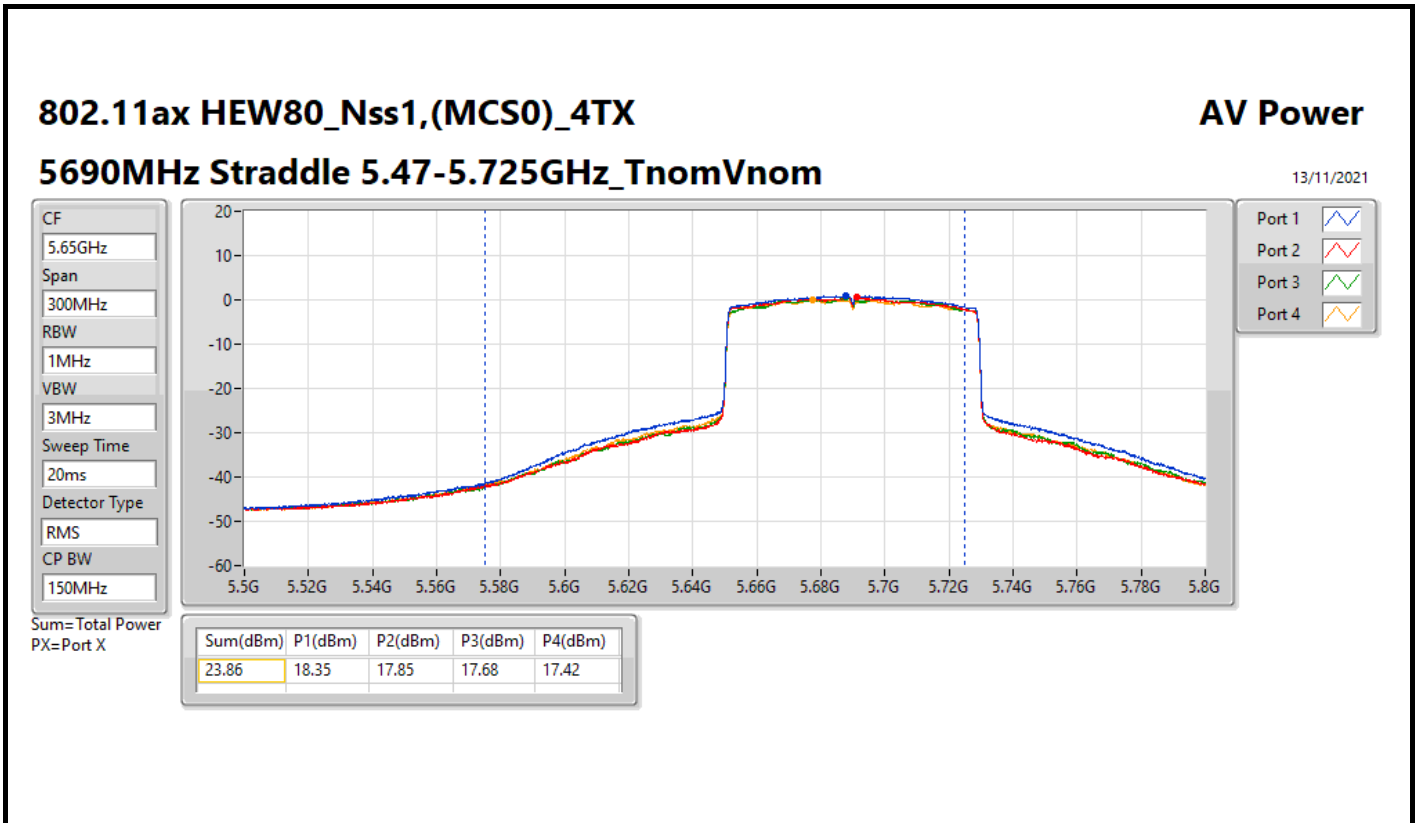
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	4.28	16.78	16.22	16.16	16.19	22.37	23.98
5580MHz	Pass	4.28	17.97	17.31	17.23	17.28	23.48	23.98
5700MHz	Pass	4.28	16.63	15.59	15.68	15.30	21.85	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	16.67	15.93	15.95	15.50	22.05	22.81
5720MHz Straddle 5.725-5.85GHz	Pass	4.45	11.21	10.44	10.22	10.19	16.56	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	4.28	18.26	17.93	17.76	17.73	23.95	23.98
5580MHz	Pass	4.28	17.98	17.76	17.54	17.65	23.76	23.98
5700MHz	Pass	4.28	17.25	16.62	16.50	16.32	22.71	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.28	17.08	16.58	16.18	16.06	22.51	23.13
5720MHz Straddle 5.725-5.85GHz	Pass	4.45	12.76	12.25	12.23	11.81	18.30	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	4.28	15.65	15.01	14.88	14.94	21.15	23.98
5550MHz	Pass	4.28	18.38	17.78	17.51	17.67	23.87	23.98
5670MHz	Pass	4.28	16.08	15.67	15.48	15.19	21.64	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.28	18.49	17.67	17.63	17.27	23.81	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.45	7.90	7.06	7.51	6.94	13.39	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	4.28	14.86	14.43	14.21	14.24	20.46	23.98
5610MHz	Pass	4.28	16.39	15.97	15.76	15.63	21.97	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.28	18.35	17.85	17.68	17.42	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.45	4.00	3.35	3.81	3.32	9.65	30.00

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











Summary

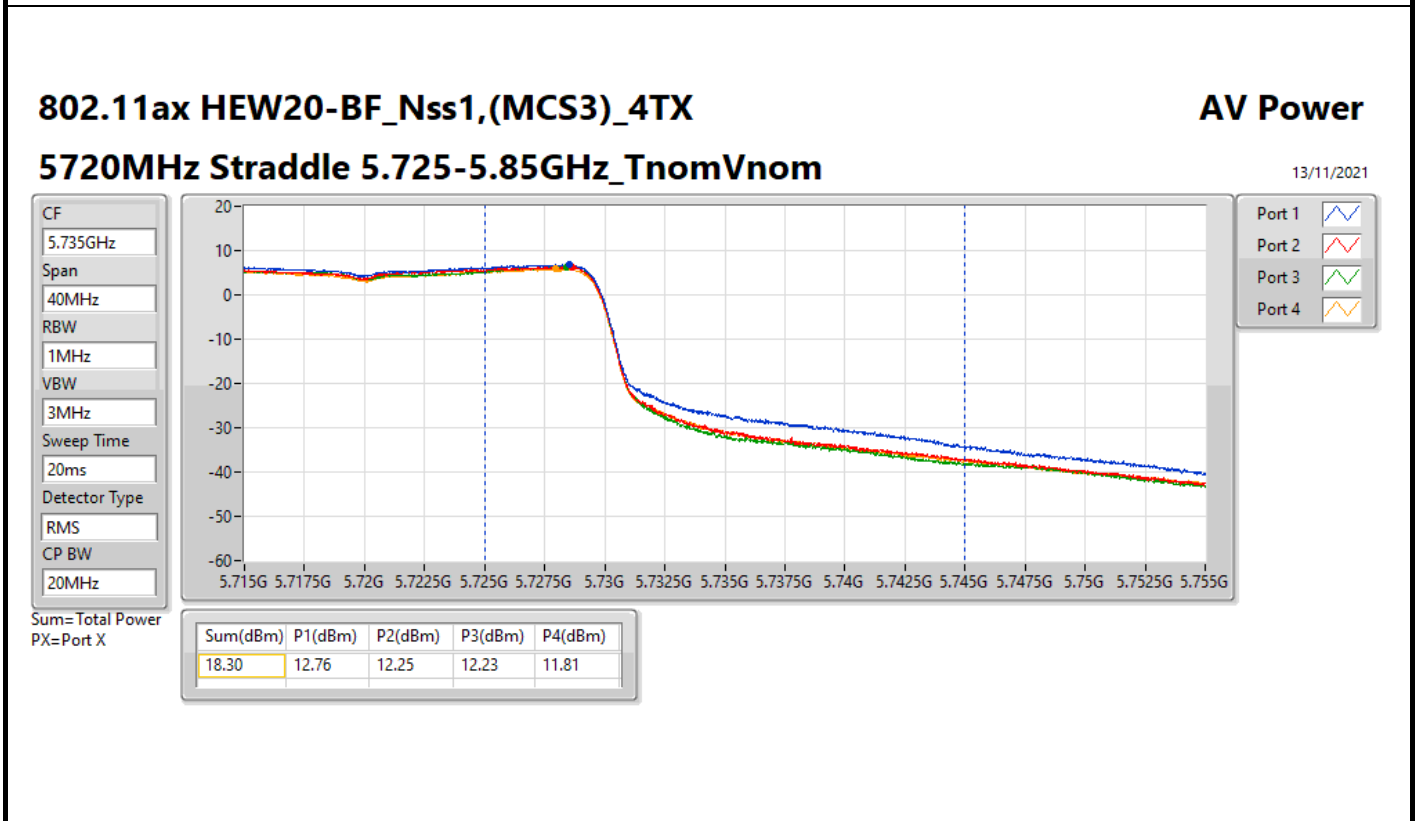
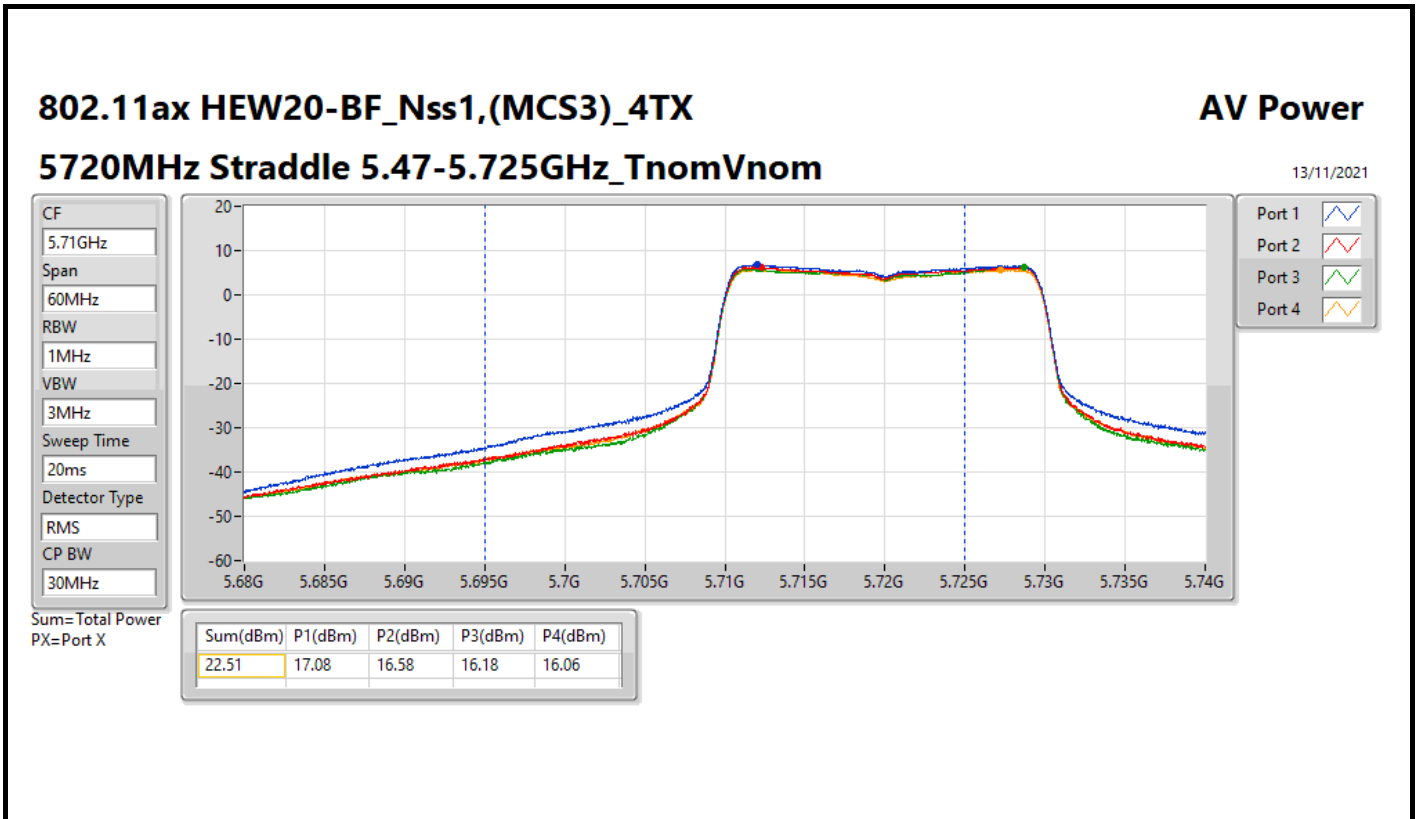
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	23.95	0.24831
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	23.87	0.24378
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	23.86	0.24322
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	18.30	0.06761
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	13.39	0.02183
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	9.65	0.00923

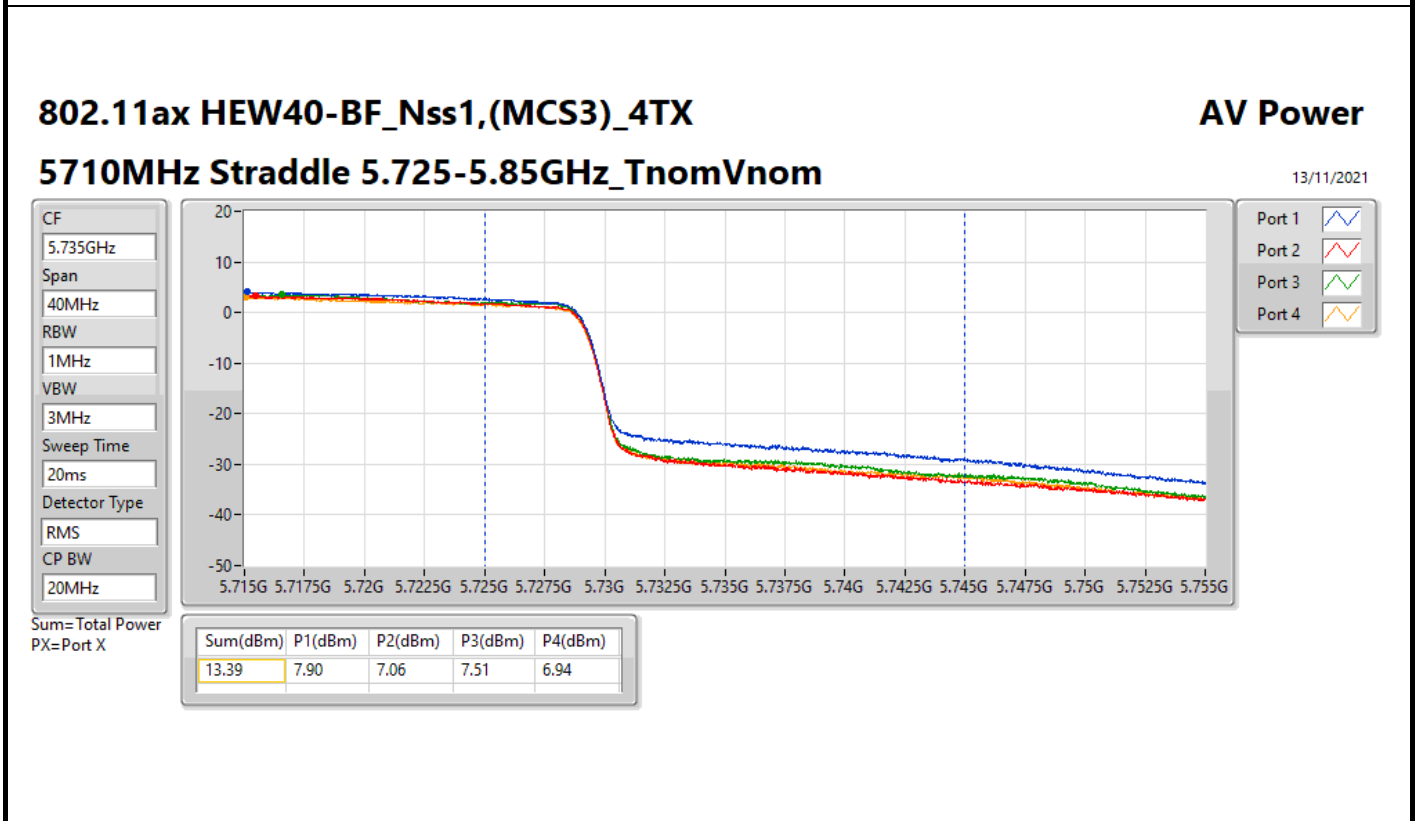
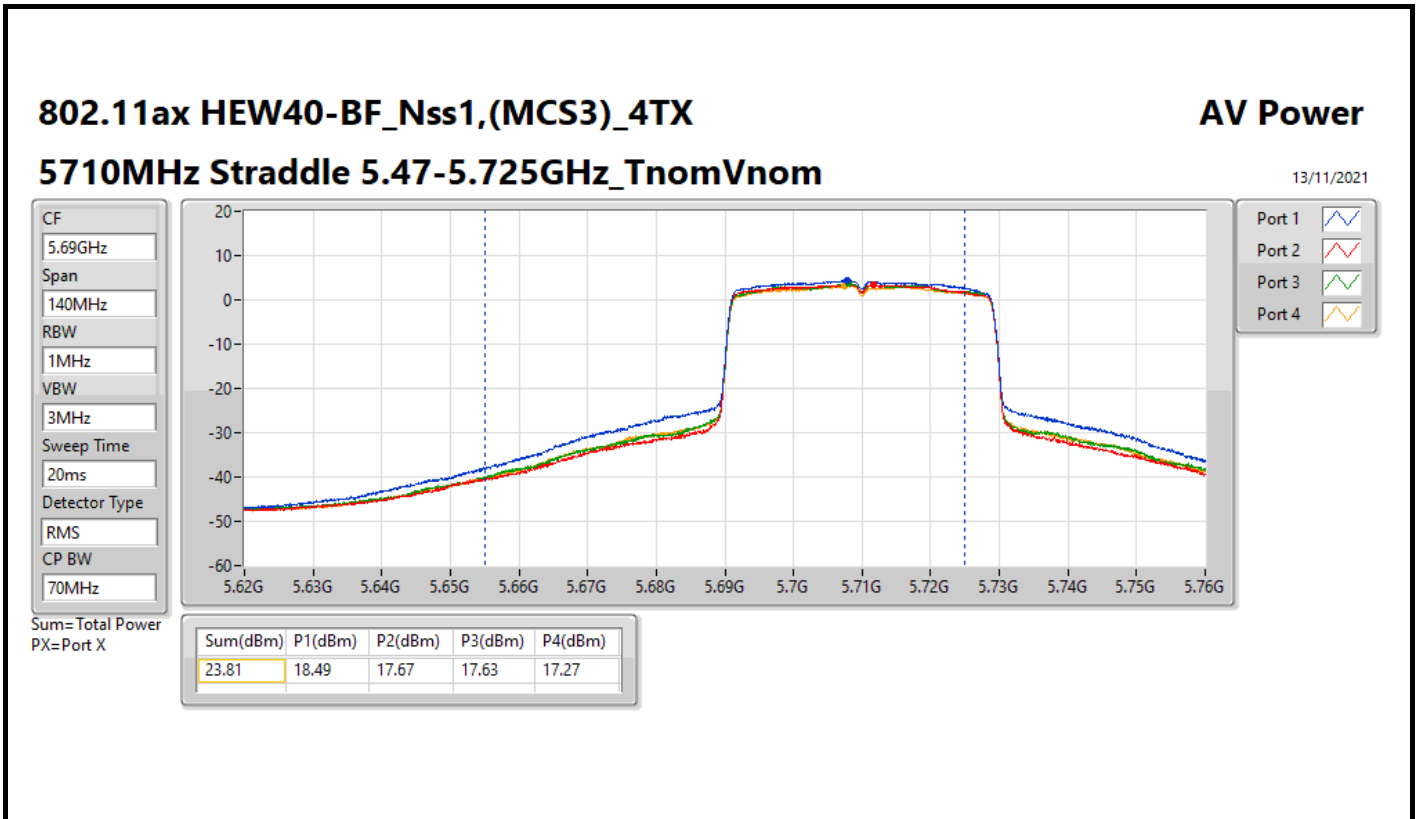


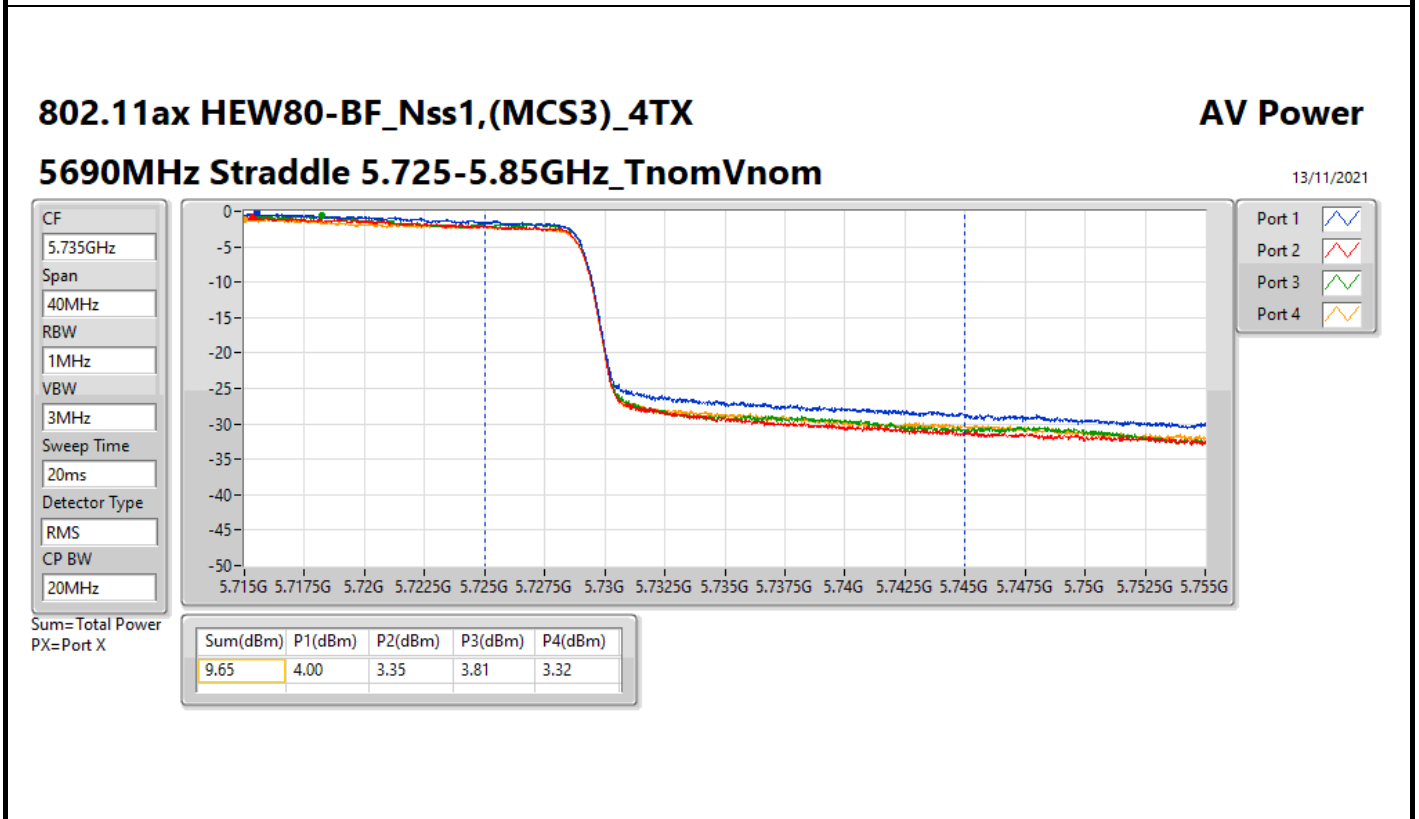
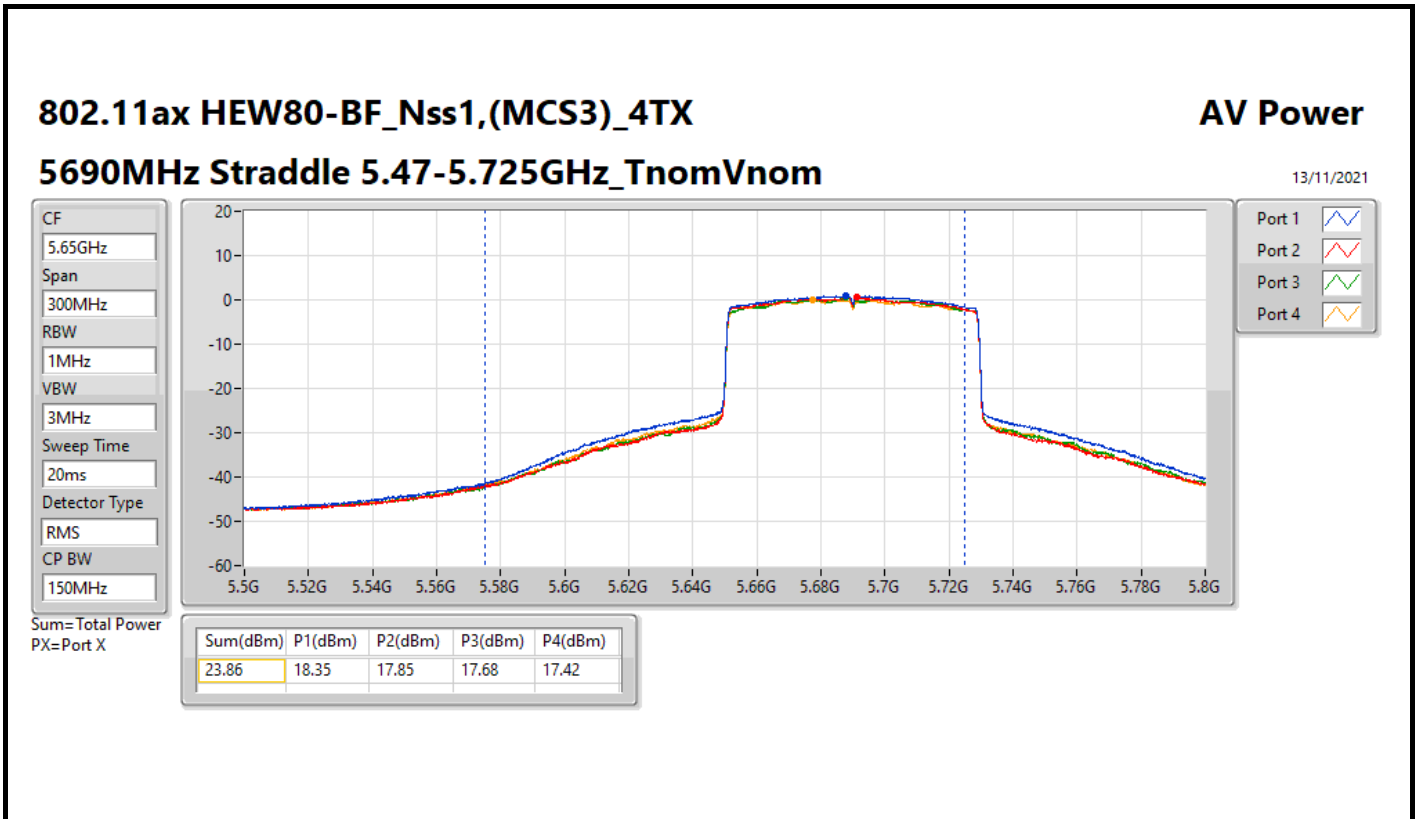
Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.65	18.26	17.93	17.76	17.73	23.95	23.98
5580MHz	Pass	5.65	17.98	17.76	17.54	17.65	23.76	23.98
5700MHz	Pass	5.65	17.25	16.62	16.5	16.32	22.71	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.65	17.08	16.58	16.18	16.06	22.51	23.13
5720MHz Straddle 5.725-5.85GHz	Pass	6.75	12.76	12.25	12.23	11.81	18.30	29.25
802.11ax HEW40-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	5.65	15.65	15.01	14.88	14.94	21.15	23.98
5550MHz	Pass	5.65	18.38	17.78	17.51	17.67	23.87	23.98
5670MHz	Pass	5.65	16.08	15.67	15.48	15.19	21.64	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.65	18.49	17.67	17.63	17.27	23.81	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	6.75	7.9	7.06	7.51	6.94	13.39	29.25
802.11ax HEW80-BF_Nss1,(MCS3)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.65	14.86	14.43	14.21	14.24	20.46	23.98
5610MHz	Pass	5.65	16.39	15.97	15.76	15.63	21.97	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.65	18.35	17.85	17.68	17.42	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	6.75	4	3.35	3.81	3.32	9.65	29.25

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









Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	9.63
802.11ax HEW20_Nss1,(MCS0)_1TX	8.85
802.11ax HEW40_Nss1,(MCS0)_1TX	5.96
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.61
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	9.44
802.11ax HEW20_Nss1,(MCS0)_1TX	8.76
802.11ax HEW40_Nss1,(MCS0)_1TX	6.26
802.11ax HEW80_Nss1,(MCS0)_1TX	3.38
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.65
802.11ax HEW20_Nss1,(MCS0)_1TX	6.83
802.11ax HEW40_Nss1,(MCS0)_1TX	3.49
802.11ax HEW80_Nss1,(MCS0)_1TX	0.15

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)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5260MHz	Pass	1.70	9.63	9.63	11.00
5300MHz	Pass	1.70	8.95	8.95	11.00
5320MHz	Pass	1.70	7.77	7.77	11.00
5500MHz	Pass	1.44	8.33	8.33	11.00
5580MHz	Pass	1.44	8.61	8.61	11.00
5700MHz	Pass	1.44	6.75	6.75	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	1.44	9.44	9.44	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	1.61	7.65	7.65	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5260MHz	Pass	1.70	8.85	8.85	11.00
5300MHz	Pass	1.70	8.37	8.37	11.00
5320MHz	Pass	1.70	6.30	6.30	11.00
5500MHz	Pass	1.44	7.24	7.24	11.00
5580MHz	Pass	1.44	8.03	8.03	11.00
5700MHz	Pass	1.44	6.09	6.09	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	1.44	8.76	8.76	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	1.61	6.83	6.83	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5270MHz	Pass	1.70	5.96	5.96	11.00
5310MHz	Pass	1.70	1.35	1.35	11.00
5510MHz	Pass	1.44	2.68	2.68	11.00
5550MHz	Pass	1.44	5.56	5.56	11.00
5670MHz	Pass	1.44	4.20	4.20	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	1.44	6.26	6.26	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	1.61	3.49	3.49	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5290MHz	Pass	1.70	-1.61	-1.61	11.00
5530MHz	Pass	1.44	-1.15	-1.15	11.00
5610MHz	Pass	1.44	1.67	1.67	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	1.44	3.38	3.38	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	1.61	0.15	0.15	30.00

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

30/10/2021

CF
5.26GHz

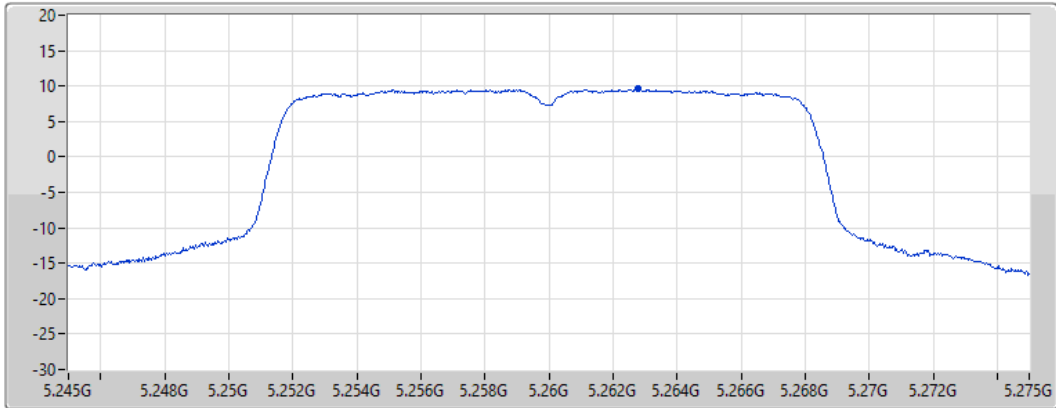
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.63	9.63	9.63

802.11a_Nss1,(6Mbps)_1TX

PSD

5300MHz

30/10/2021

CF
5.3GHz

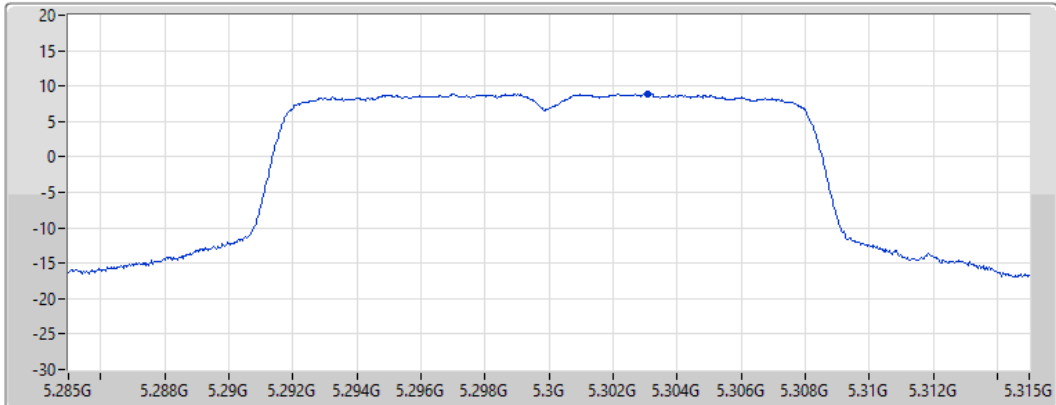
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.95	8.95	8.95

802.11a_Nss1,(6Mbps)_1TX

PSD

5320MHz

30/10/2021

CF
5.32GHz

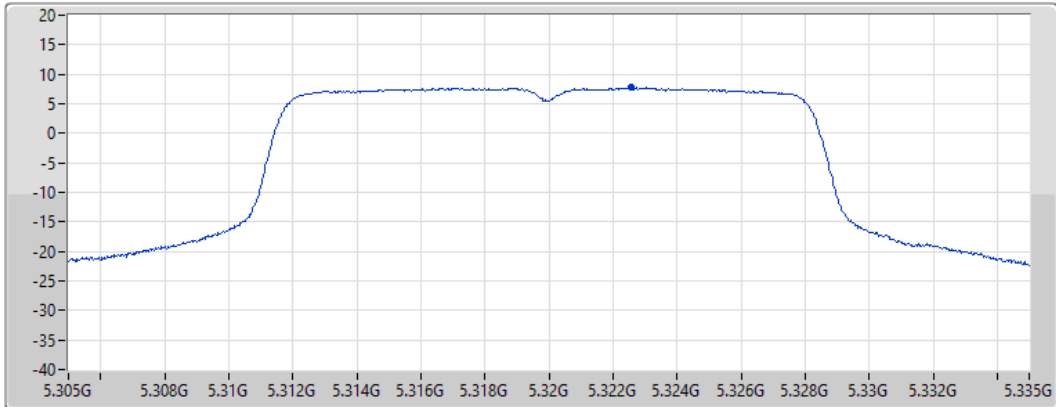
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.77	7.77	7.77

802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

30/10/2021

CF
5.5GHz

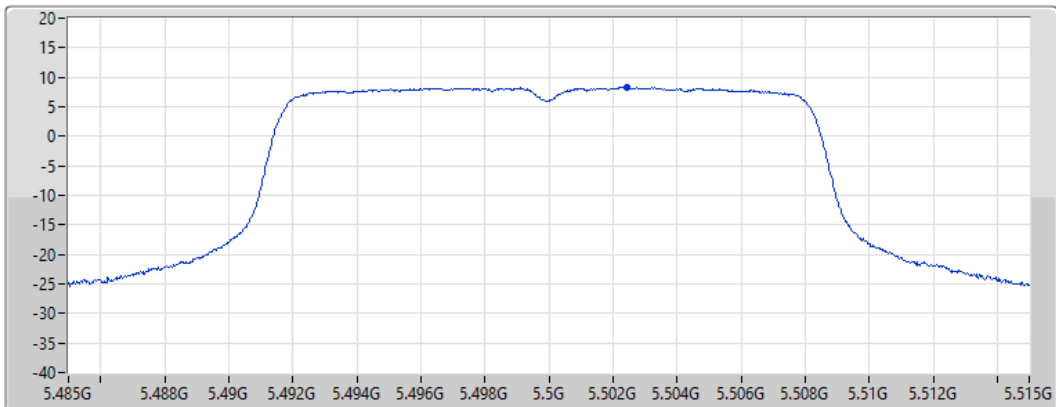
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.33	8.33	8.33

802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

30/10/2021

CF
5.58GHz

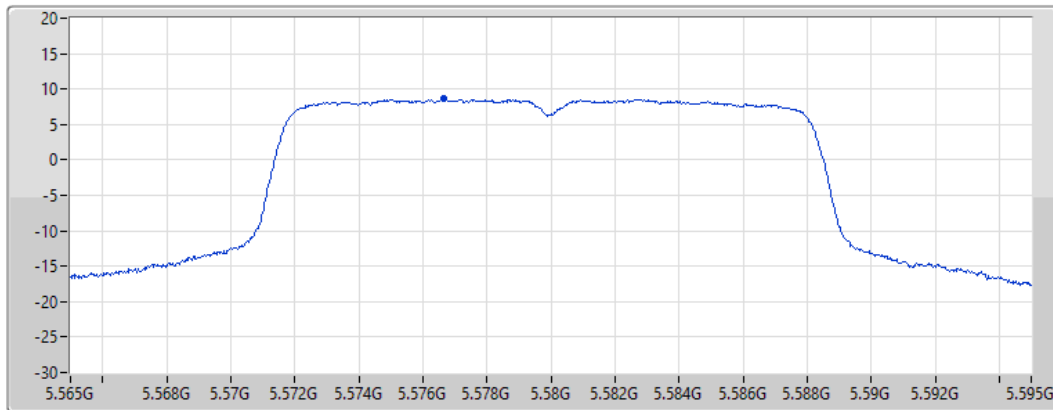
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.61	8.61	8.61

802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

30/10/2021

CF
5.7GHz

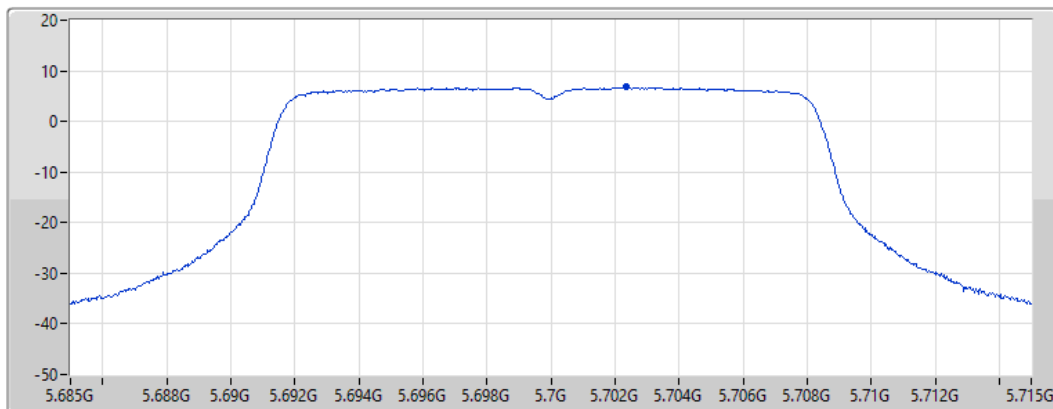
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.75	6.75	6.75

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/10/2021

CF
5.71GHz

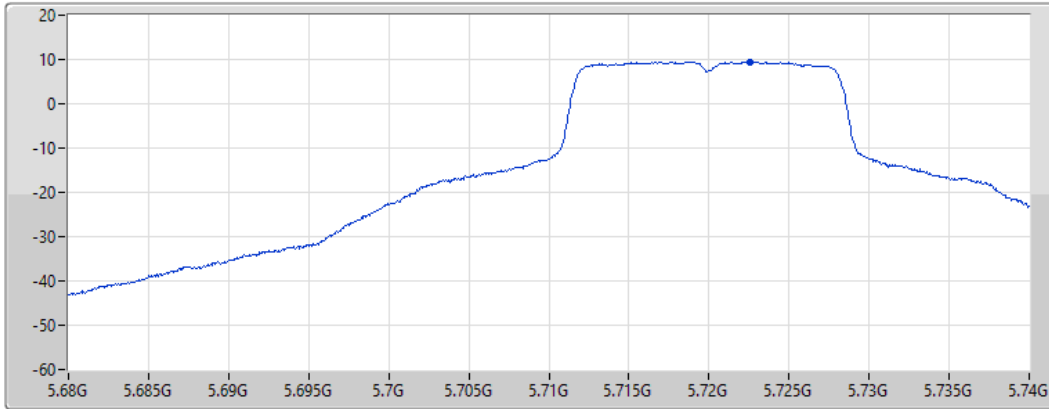
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.44	9.44	9.44

802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/10/2021

CF
5.735GHz

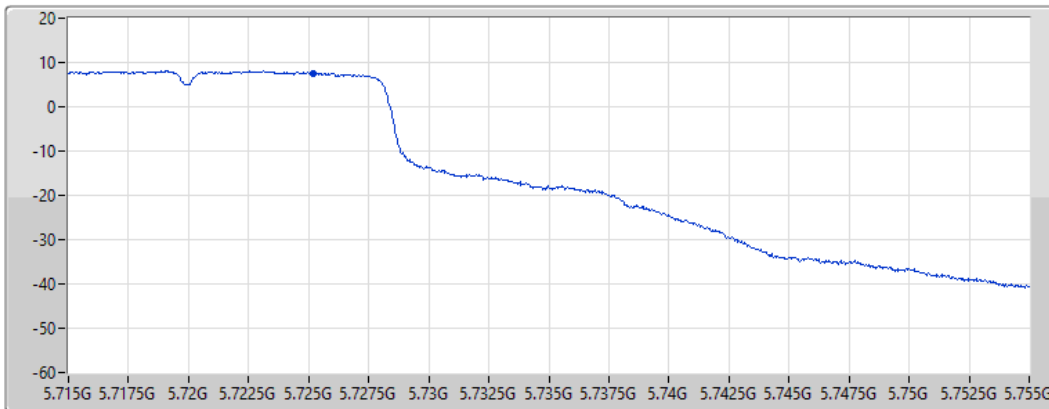
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.65	7.65	7.65

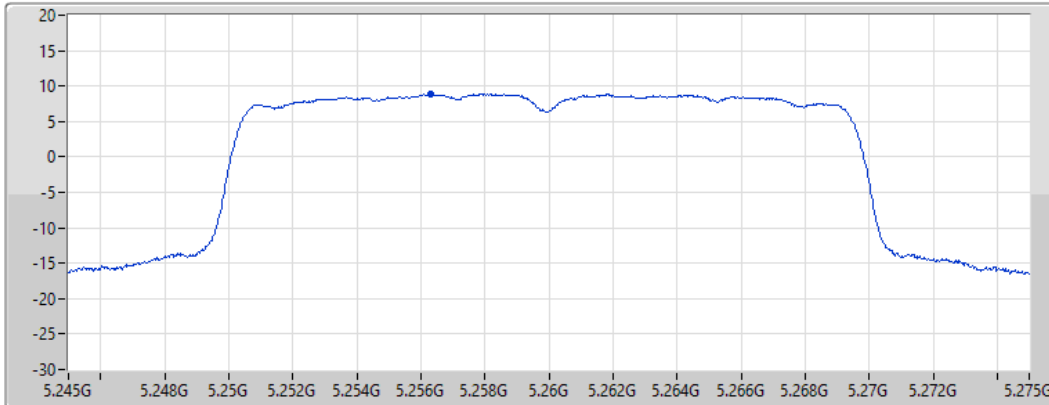
802.11ax HEW20_Nss1,(MCS0)_1TX


PSD

5260MHz

30/10/2021

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)
8.85	8.85	8.85

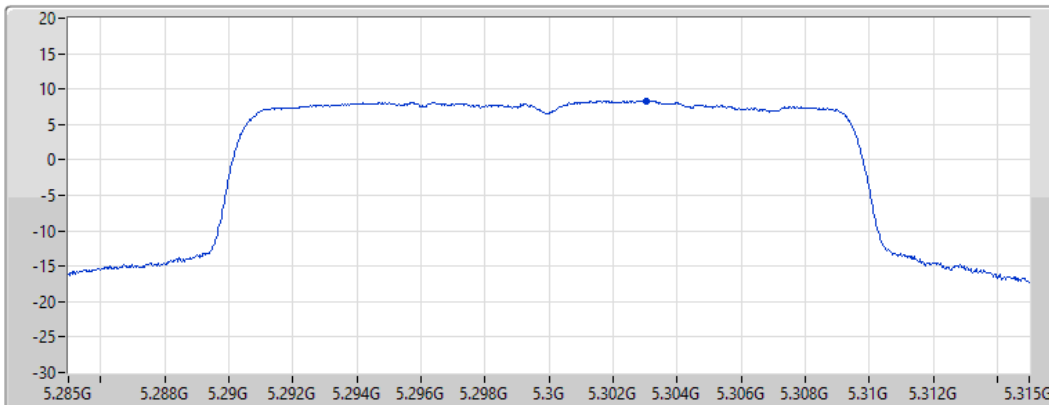
802.11ax HEW20_Nss1,(MCS0)_1TX


PSD

5300MHz

30/10/2021

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)
8.37	8.37	8.37

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5320MHz

30/10/2021

CF
5.32GHz

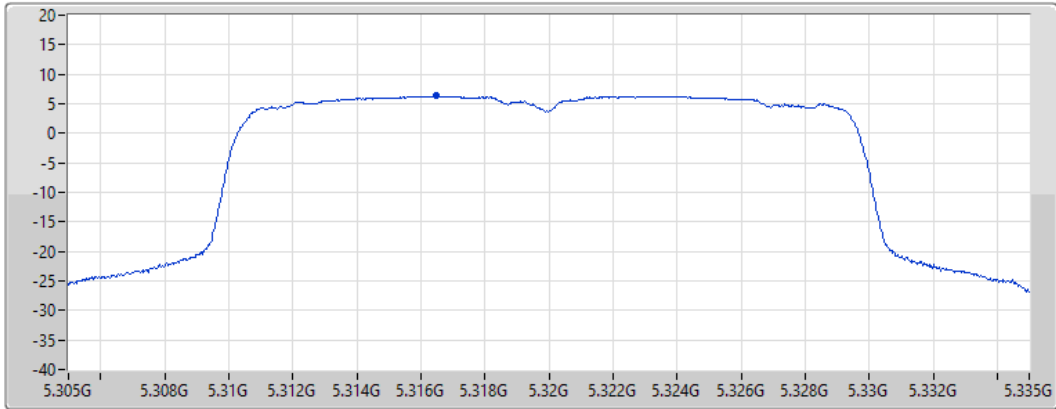
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.30	6.30	6.30

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5500MHz

30/10/2021

CF
5.5GHz

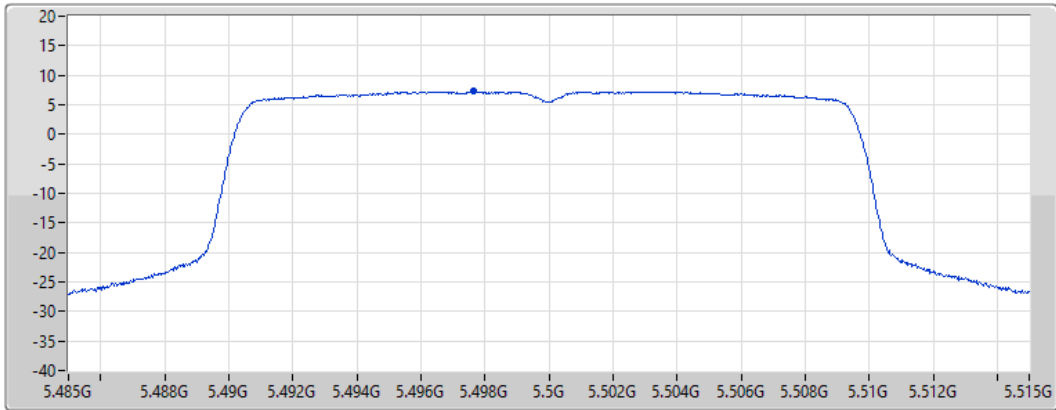
Span
30MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

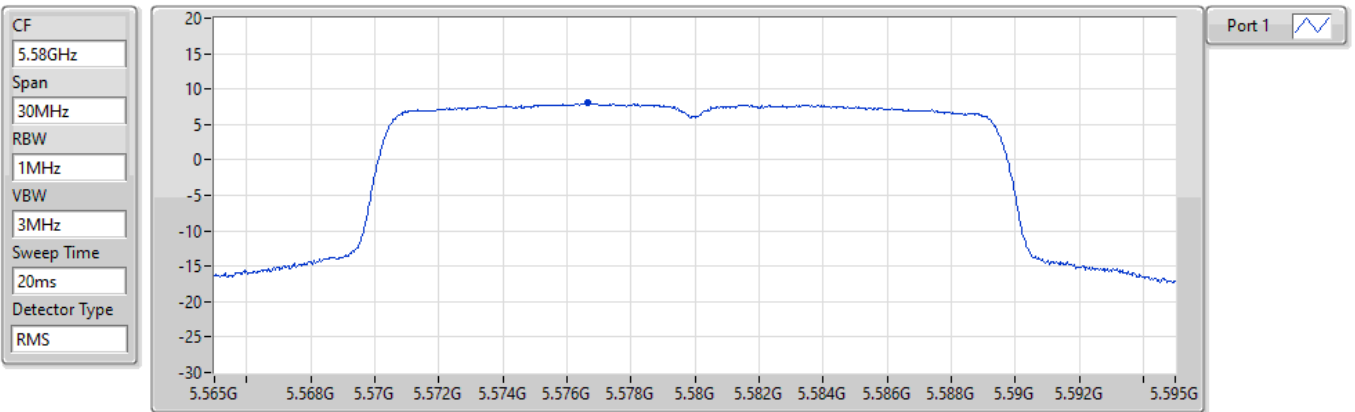
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.24	7.24	7.24

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5580MHz

30/10/2021



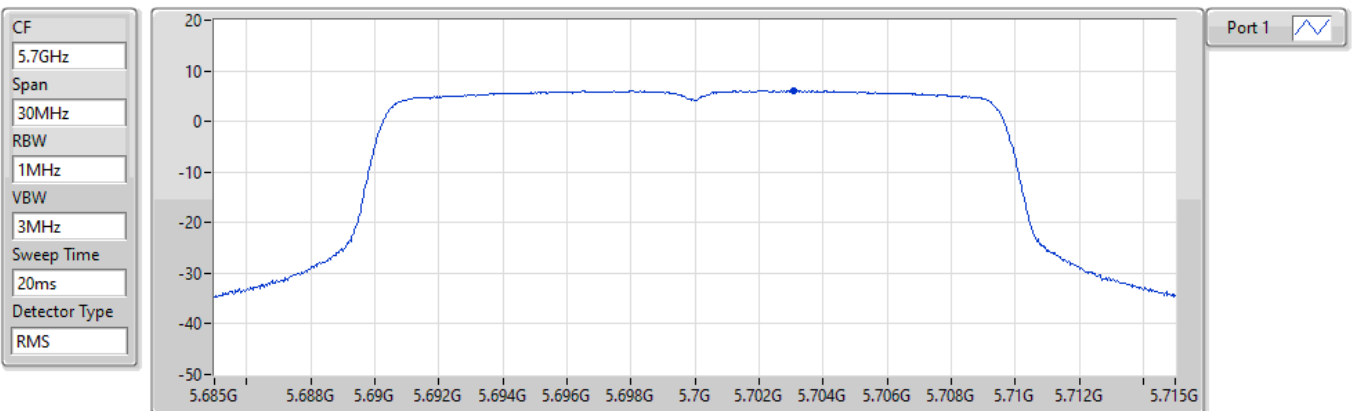
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.03	8.03	8.03

802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5700MHz

30/10/2021



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.09	6.09	6.09

802.11ax HEW20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.47-5.725GHz

PSD

30/10/2021

CF
5.71GHz

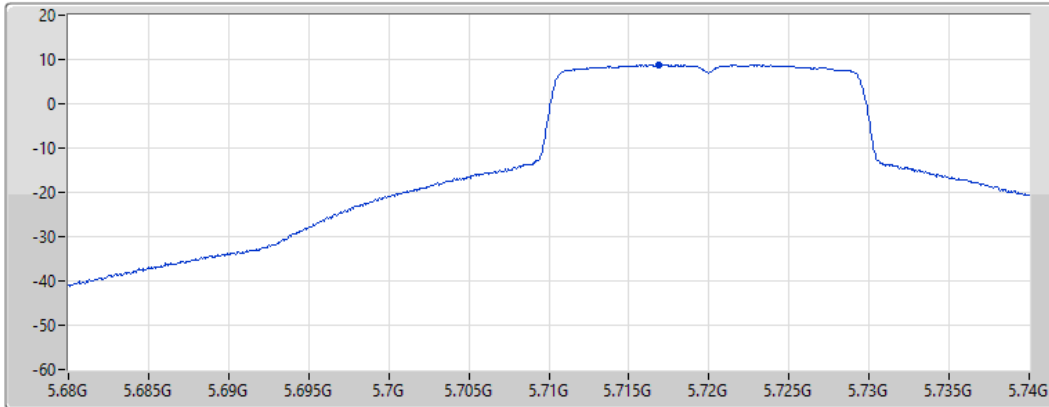
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.76	8.76	8.76

802.11ax HEW20_Nss1,(MCS0)_1TX
5720MHz Straddle 5.725-5.85GHz

PSD

30/10/2021

CF
5.735GHz

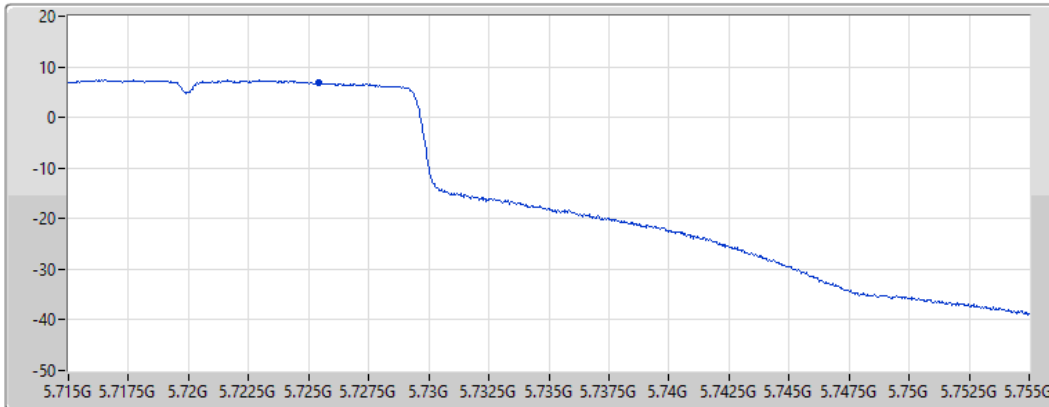
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.83	6.83	6.83

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5270MHz

30/10/2021

CF
5.27GHz

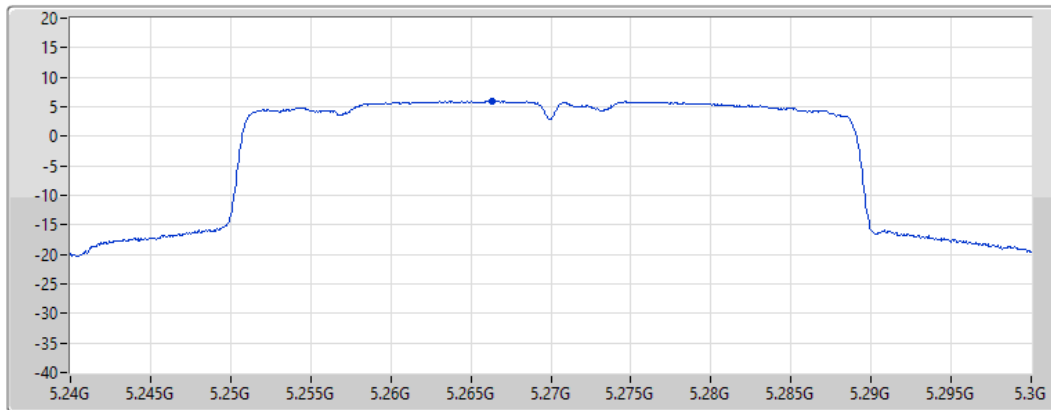
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.96	5.96	5.96

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5310MHz

30/10/2021

CF
5.31GHz

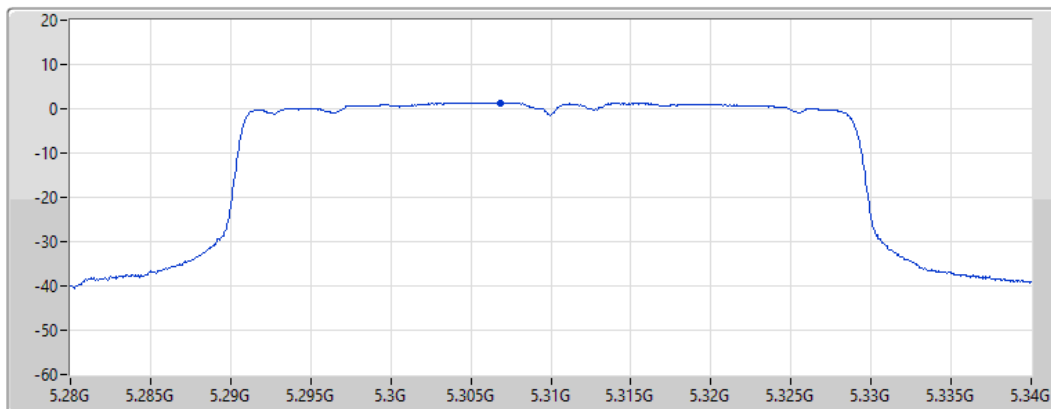
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	1.35

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5510MHz

30/10/2021

CF
5.51GHz

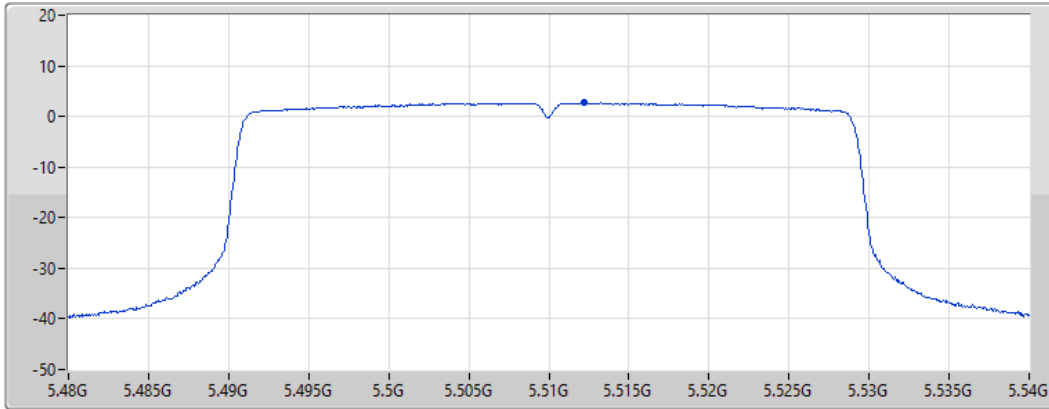
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.68	2.68	2.68

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5550MHz

30/10/2021

CF
5.55GHz

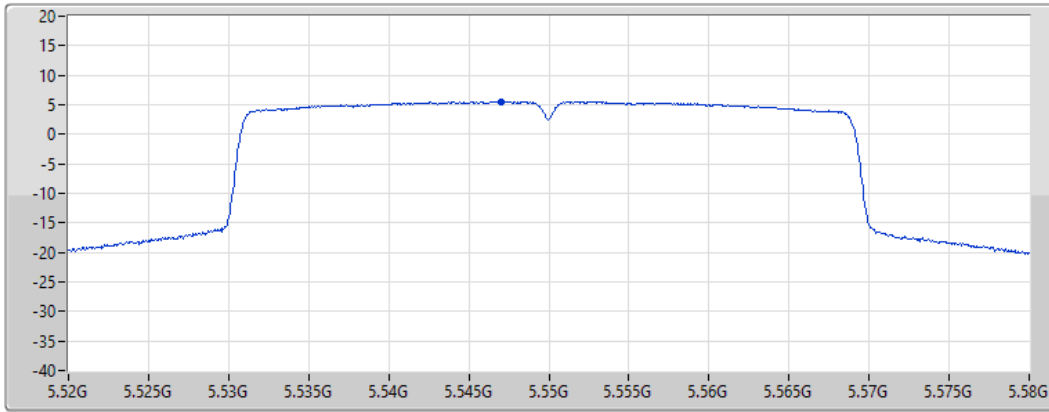
Span
60MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

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

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5670MHz

30/10/2021

CF
5.67GHz

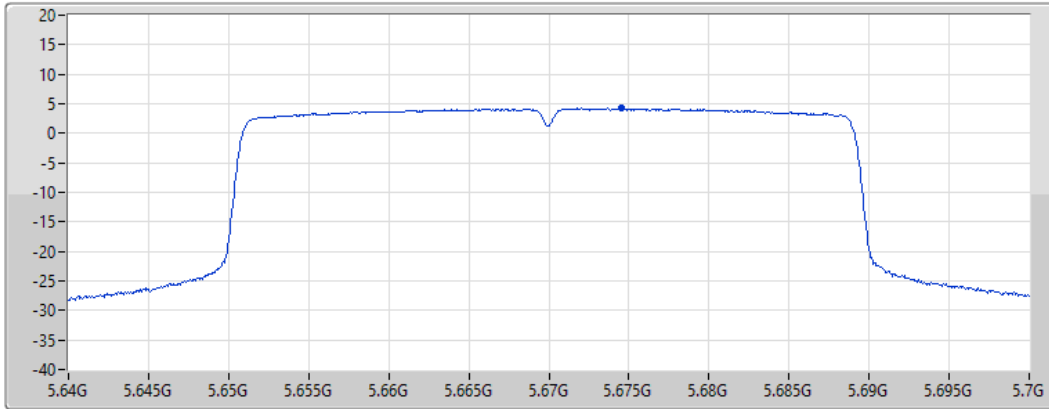
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.20	4.20	4.20

802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.47-5.725GHz

30/10/2021

CF
5.69GHz

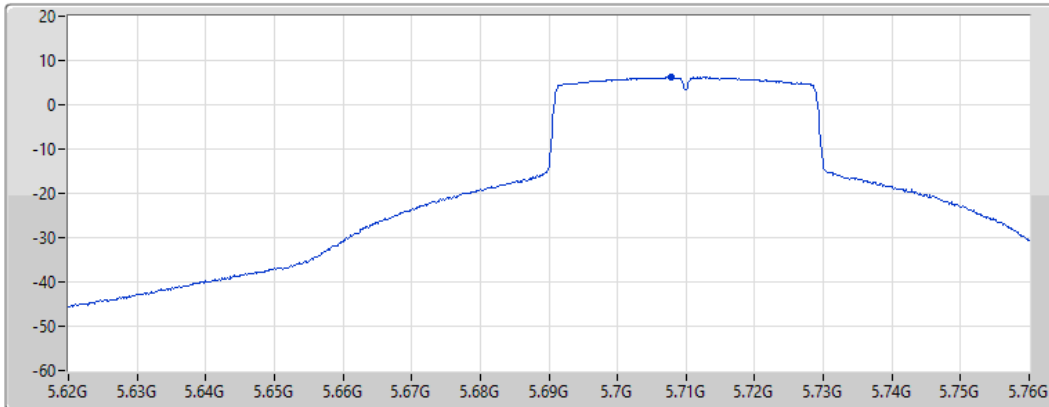
Span
140MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.26	6.26	6.26

802.11ax HEW40_Nss1,(MCS0)_1TX
5710MHz Straddle 5.725-5.85GHz

PSD

30/10/2021

CF
5.735GHz

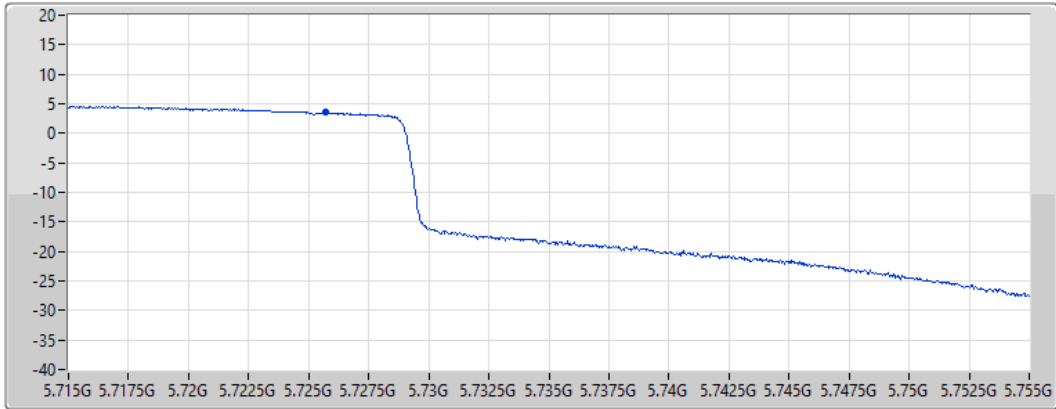
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.49	3.49	3.49

802.11ax HEW80_Nss1,(MCS0)_1TX
5290MHz

PSD

30/10/2021

CF
5.29GHz

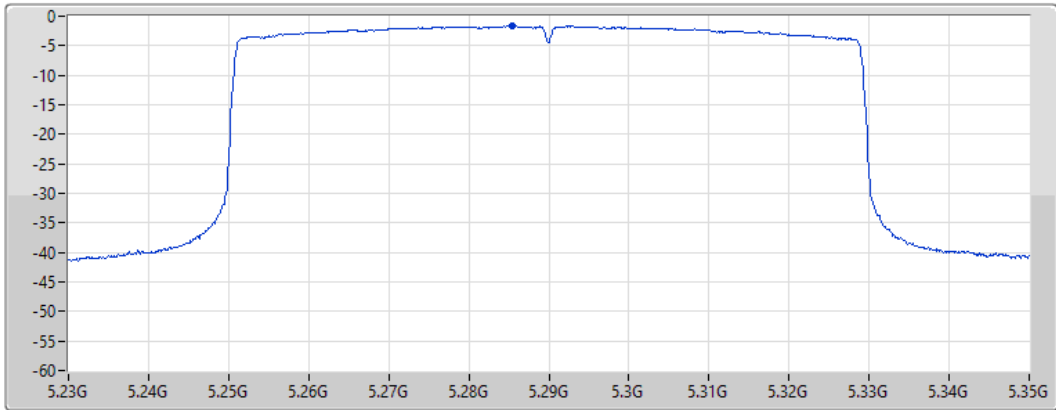
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.61	-1.61	-1.61

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5530MHz

30/10/2021

CF
5.53GHz

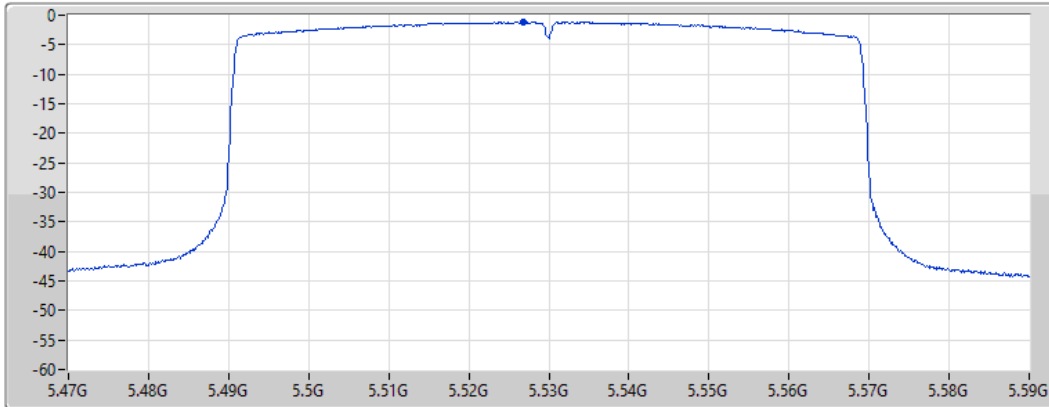
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.15	-1.15	-1.15

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5610MHz

30/10/2021

CF
5.61GHz

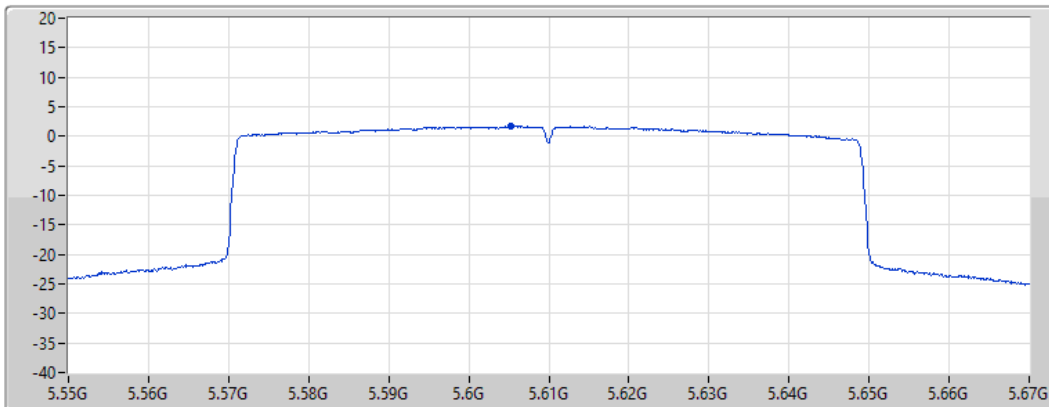
Span
120MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.67	1.67	1.67

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

30/10/2021

CF
5.65GHz

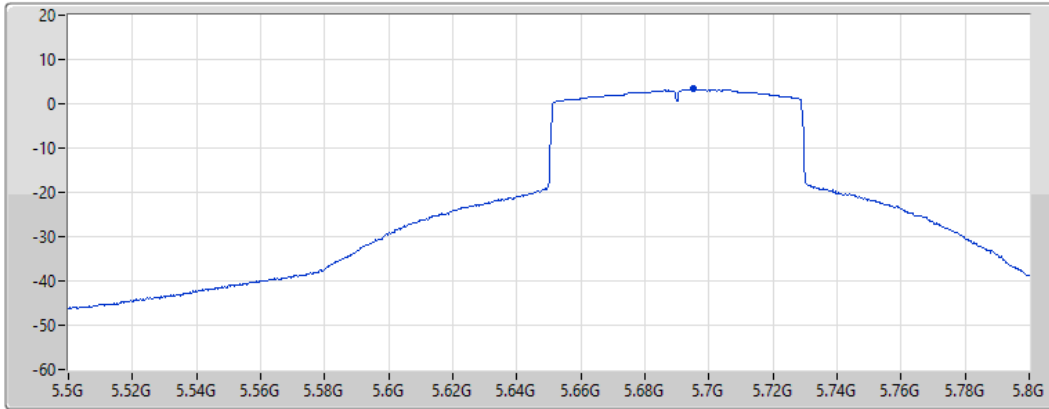
Span
300MHz


RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.38	3.38	3.38

802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/10/2021

CF
5.735GHz

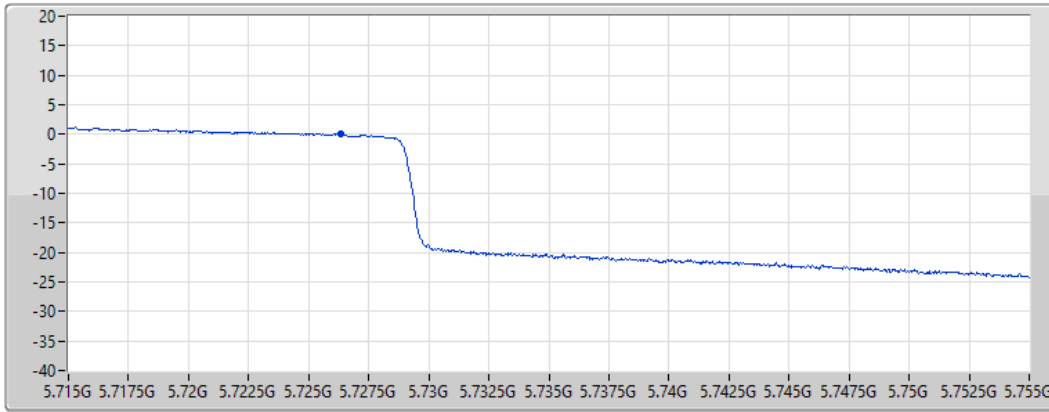
Span
40MHz


RBW
500kHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Port 1 

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.15	0.15	0.15



Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.88
802.11ax HEW20_Nss1,(MCS0)_2TX	10.50
802.11ax HEW40_Nss1,(MCS0)_2TX	7.40
802.11ax HEW80_Nss1,(MCS0)_2TX	0.60
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.81
802.11ax HEW20_Nss1,(MCS0)_2TX	10.70
802.11ax HEW40_Nss1,(MCS0)_2TX	7.88
802.11ax HEW80_Nss1,(MCS0)_2TX	4.89
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.05
802.11ax HEW20_Nss1,(MCS0)_2TX	8.78
802.11ax HEW40_Nss1,(MCS0)_2TX	4.93
802.11ax HEW80_Nss1,(MCS0)_2TX	1.30

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5260MHz	Pass	4.68	8.37	7.36	10.88	11.00
5300MHz	Pass	4.68	8.11	7.38	10.72	11.00
5320MHz	Pass	4.68	6.81	6.40	9.53	11.00
5500MHz	Pass	3.36	7.49	6.30	9.87	11.00
5580MHz	Pass	3.36	8.13	7.58	10.81	11.00
5700MHz	Pass	3.36	5.93	4.88	8.33	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.36	8.22	7.41	10.81	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.75	6.52	5.55	9.05	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5260MHz	Pass	4.68	7.75	6.89	10.21	11.00
5300MHz	Pass	4.68	8.02	7.33	10.50	11.00
5320MHz	Pass	4.68	6.42	5.87	9.02	11.00
5500MHz	Pass	3.36	6.40	5.49	8.90	11.00
5580MHz	Pass	3.36	8.01	7.40	10.70	11.00
5700MHz	Pass	3.36	5.19	4.31	7.72	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.36	8.15	7.24	10.63	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.75	6.23	5.32	8.78	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5270MHz	Pass	4.68	5.09	3.76	7.40	11.00
5310MHz	Pass	4.68	1.53	0.74	4.01	11.00
5510MHz	Pass	3.36	2.20	1.32	4.70	11.00
5550MHz	Pass	3.36	5.26	4.06	7.63	11.00
5670MHz	Pass	3.36	4.30	3.96	7.01	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.36	5.26	4.60	7.88	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.75	2.31	1.58	4.93	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5290MHz	Pass	4.68	-2.02	-2.74	0.60	11.00
5530MHz	Pass	3.36	-1.07	-2.13	1.41	11.00
5610MHz	Pass	3.36	0.89	0.52	3.66	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.36	2.37	1.56	4.89	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.75	-1.20	-2.28	1.30	30.00

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

30/10/2021

CF
5.26GHz

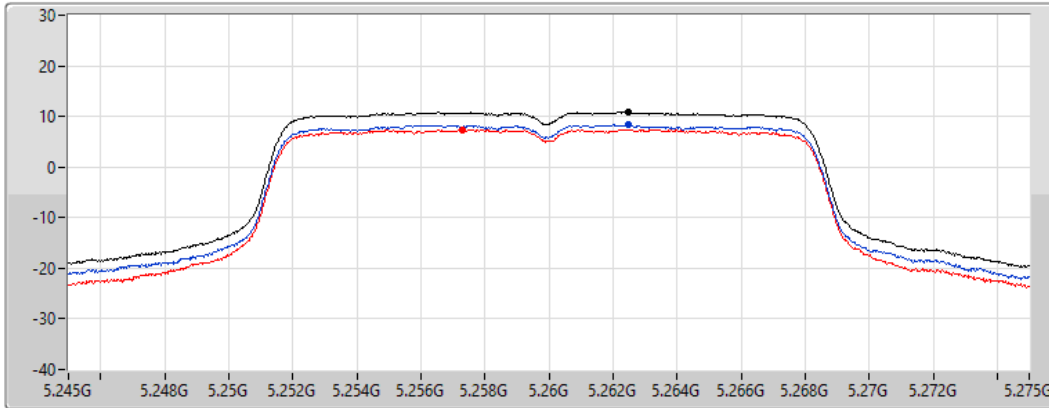
Span
30MHz


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)
10.88	10.88	8.37	7.36

802.11a_Nss1,(6Mbps)_2TX

PSD

5300MHz

30/10/2021

CF
5.3GHz

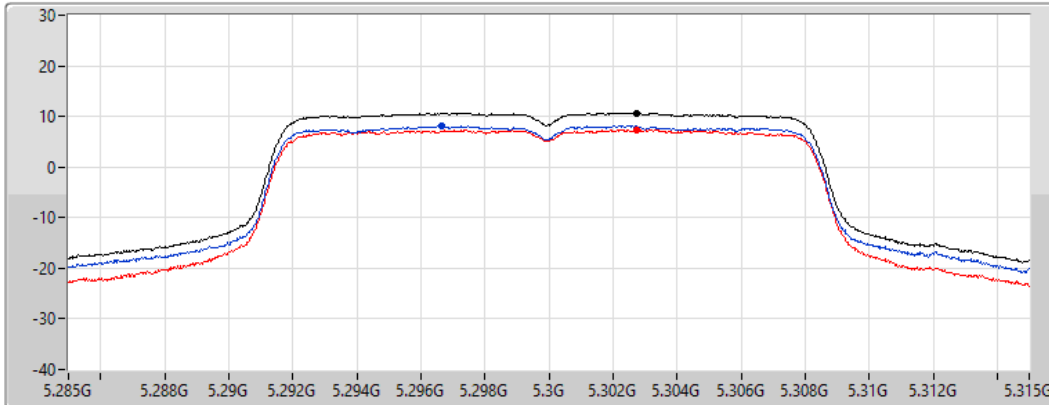
Span
30MHz


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)
10.72	10.72	8.11	7.38

802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

30/10/2021

CF
5.32GHz

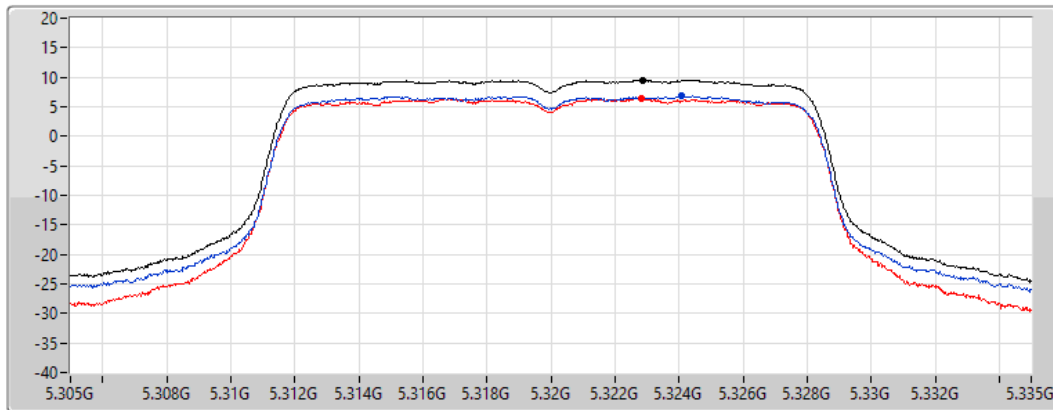
Span
30MHz

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)
9.53	9.53	6.81	6.40

802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

30/10/2021

CF
5.5GHz

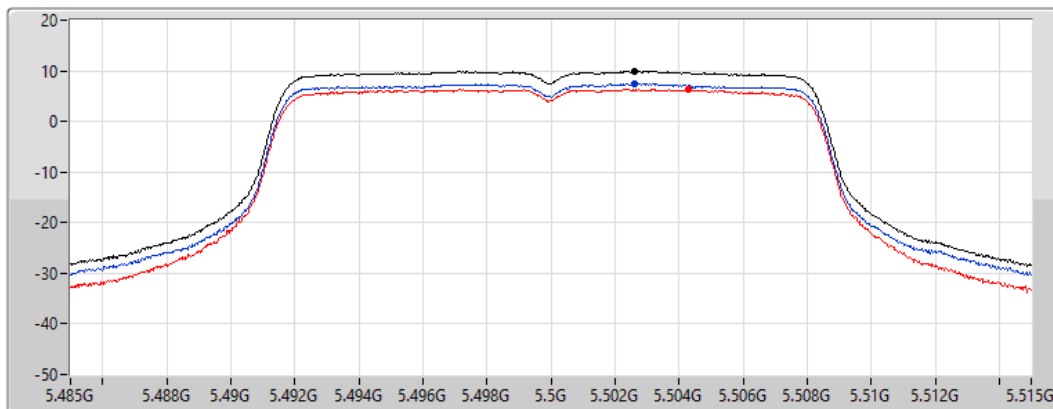
Span
30MHz

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)
9.87	9.87	7.49	6.30

802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

30/10/2021

CF
5.58GHz

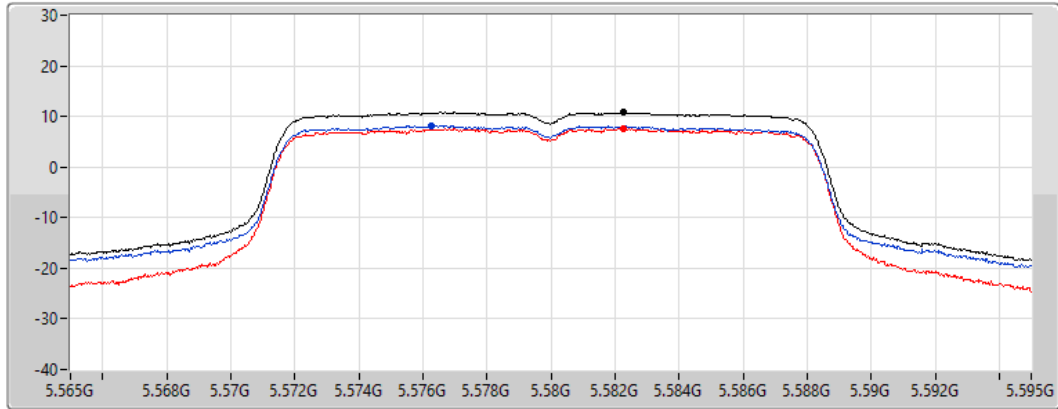
Span
30MHz

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)
10.81	10.81	8.13	7.58

802.11a_Nss1,(6Mbps)_2TX

PSD

5700MHz

30/10/2021

CF
5.7GHz

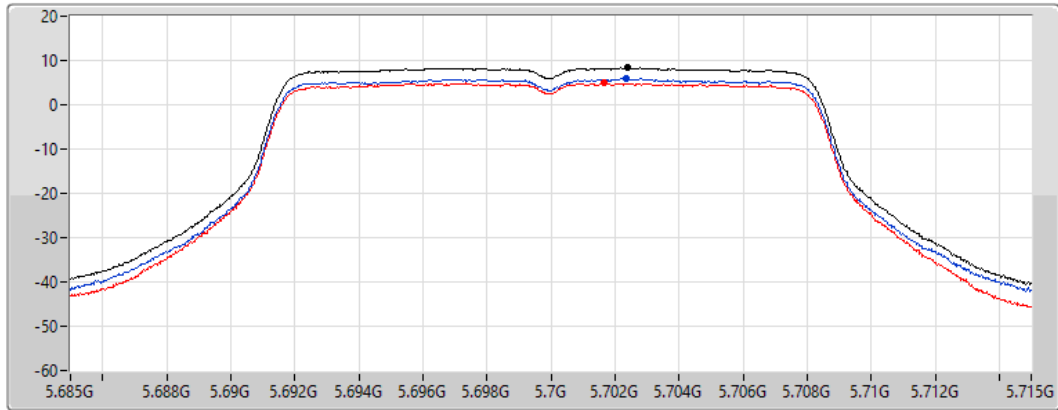
Span
30MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

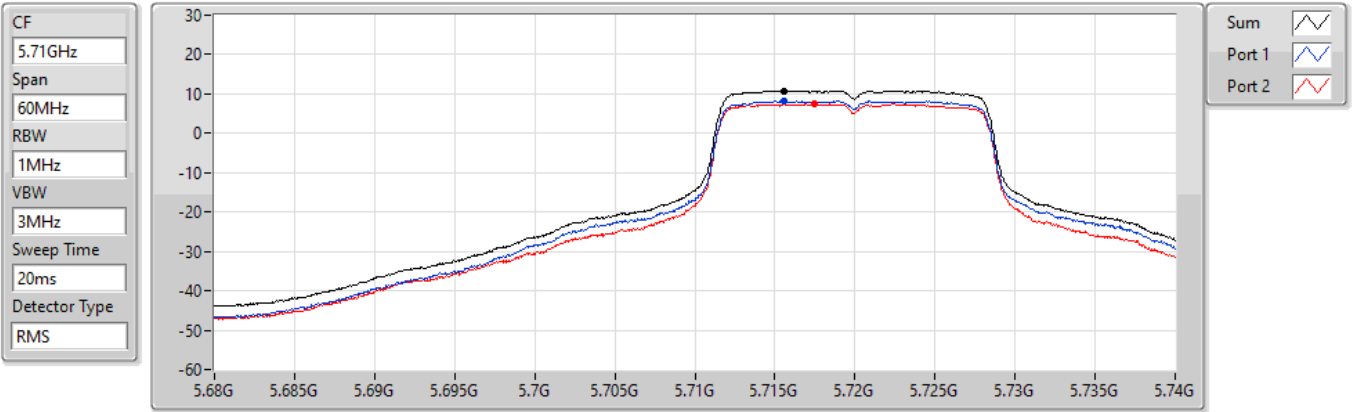
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.33	8.33	5.93	4.88

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/10/2021



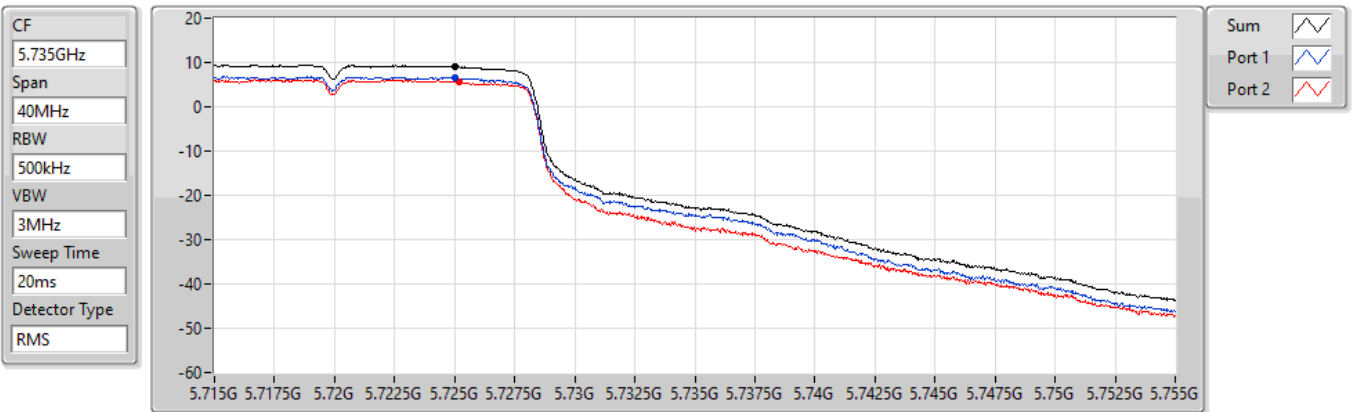
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.81	10.81	8.22	7.41

802.11a_Nss1,(6Mbps)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/10/2021



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.05	9.05	6.52	5.55