FCC Test Report

FCC ID	:	**SQG-SONAIF573**
Equipment	:	**Sona IF573 802.11ax Wi-Fi 6E Module with Bluetooth 5.4**
Model No.	:	**Sona IF573**
Brand Name	:	**Laird Connectivity**
Applicant	:	**Laird Connectivity LLC**
Address	:	**W66N220 Commerce Court, Cedarburg, WI 53012 United States Of America**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jan. 17, 2023**
Tested Date	:	**Apr. 10 ~ Jun. 08, 2023**

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:	**Approved by:**
Along Chen / Assistant Manager	**Gary Chang / Manager**

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Release Record

Report No.	Version	Description	Issued Date
FR311701AN	Rev. 01	Initial issue	Jul. 28, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.500MHz 39.38 (Margin -6.62dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 4000.00MHz 50.97 (Margin -3.03dB) - AV	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(e)	6dB bandwidth	Meet the requirement of limit	Pass
15.407(a)	Conducted Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5150~5250MHz: 21.39 5250~5350MHz: 21.55 5470~5725MHz: 21.67 5725~5850MHz: 21.57 ***Beamforming mode*** 5150~5250MHz: 18.38 5250~5350MHz: 18.54 5470~5725MHz: 18.66 5725~5850MHz: 18.56	Pass
15.407(a)	Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

1.1.1 Product Details

The four configurations of the EUT are shown on the following:

Model Name	Part No.	Description
Sona IF573	453-00117	Module, Sona IF573, MIMO, MHF4
	453-00118	Module, Sona IF573, MIMO, Trace Pin
	453-00119	Module, Sona IF573, MIMO, M.2, Key E, SDIO, UART
	453-00120	Module, Sona IF573, MIMO, M.2, Key E, PCIe, UART

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5150-5250 5250-5350 5470-5725 5725-5850	a	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	2	6-54 Mbps
5150-5250 5250-5350 5470-5725 5725-5850	n (HT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	n (HT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	2	MCS 0-15
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ac (VHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	2	MCS 0-9
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	2	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	2	MCS 0-11
5150-5250 5250-5350 5470-5725 5725-5850	ax (HE80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	2	MCS 0-11
Note 1: OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation. Note 2: 802.11ac/an/ax supports beamforming function. Note 3: 802.11ax supports full RU and partial RU configuration. Test results of full RU configuration are recorded in this report. Refers to report no.: FR311701-1AN for test results of partial RU configuration.					

1.1.3 Antenna Details

Ant. No.	Manufacturer	Model	Part Number	Type	Connector	Operating Frequencies / Gain (dBi)		
						2.4GHz	5GHz	6GHz
1	JOYMAX	TWX-100B RSAX-2001	NA	Dipole	RP-SMA	2	4	4
2	Laird	FlexMIMO 6E	EFD2471A3S-10MH4L	PIFA	MHF4L	2.2	3.8	3.3
3	Laird	Mini NanoBlade Flex 6 GHz	EMF2471A3S-10MH4L	PCB Dipole	MHF4L	2.4	4.4	5.2
4	Laird	FlexPIFA 6E	EFB2471A3S-10MH4L	PIFA	MHF4L	2.2	3.9	3.8

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host

1.1.5 Accessories

N/A

1.1.6 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
36	5180	38	5190
40	5200	46	5230
44	5220	54	5270
48	5240	62	5310
52	5260	102	5510
56	5280	110	5550
60	5300	118	5590
64	5320	126	5630
100	5500	134	5670
104	5520	142	5710
108	5540	151	5755
112	5560	159	5795
116	5580	**802.11ac VHT80 / ax HE80**	
120	5600	42	5210
124	5620	58	5290
128	5640	106	5530
132	5660	122	5610
136	5680	138	5690
140	5700	155	5775
144	5720	---	---
149	5745	---	---
153	5765	---	---
157	5785	---	---
161	5805	---	---
165	5825	---	---

1.1.7 Test Tool and Duty Cycle

Test Tool	Tera Term, V4.49		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	99.52%	0.02
	ax HE20-OFDMA	99.37%	0.03
	ax HE40-OFDMA	98.46%	0.07
	ax HE80-OFDMA	97.22%	0.12

1.1.8 Power Index of Test Tool

SC Module

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	46
11a	5200	62
11a	5240	66
11a	5260	68
11a	5300	68
11a	5320	50
11a	5500	52
11a	5580	68
11a	5700	42
11a	5720	68
11a	5745	70
11a	5785	70
11a	5825	70
ax HE20-OFDMA	5180	33
ax HE20-OFDMA	5200	23
ax HE20-OFDMA	5240	19
ax HE20-OFDMA	5260	16
ax HE20-OFDMA	5300	22
ax HE20-OFDMA	5320	36
ax HE20-OFDMA	5500	36
ax HE20-OFDMA	5580	16
ax HE20-OFDMA	5700	47
ax HE20-OFDMA	5720	16
ax HE20-OFDMA	5745	18
ax HE20-OFDMA	5785	18
ax HE20-OFDMA	5825	16

Modulation Mode	Test Frequency (MHz)	Power Index
ax HE40-OFDMA	5190	37
ax HE40-OFDMA	5230	24
ax HE40-OFDMA	5270	24
ax HE40-OFDMA	5310	46
ax HE40-OFDMA	5510	49
ax HE40-OFDMA	5590	22
ax HE40-OFDMA	5670	36
ax HE40-OFDMA	5710	19
ax HE40-OFDMA	5755	25
ax HE40-OFDMA	5795	20
ax HE80-OFDMA	5210	35
ax HE80-OFDMA	5290	46
ax HE80-OFDMA	5530	45
ax HE80-OFDMA	5610	29
ax HE80-OFDMA	5690	24
ax HE80-OFDMA	5775	28

ST M.2, PCIe module

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	46
11a	5200	62
11a	5240	66
11a	5260	68
11a	5300	68
11a	5320	50
11a	5500	52
11a	5580	68
11a	5700	44
11a	5720	70
11a	5745	72
11a	5785	72
11a	5825	72
ax HE20-OFDMA	5180	32
ax HE20-OFDMA	5200	21
ax HE20-OFDMA	5240	16
ax HE20-OFDMA	5260	13
ax HE20-OFDMA	5300	18
ax HE20-OFDMA	5320	33
ax HE20-OFDMA	5500	31
ax HE20-OFDMA	5580	12
ax HE20-OFDMA	5700	45
ax HE20-OFDMA	5720	15
ax HE20-OFDMA	5745	16
ax HE20-OFDMA	5785	16
ax HE20-OFDMA	5825	16

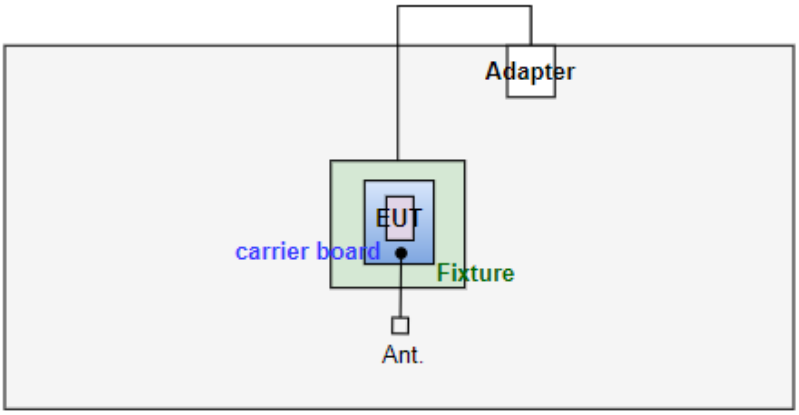
Modulation Mode	Test Frequency (MHz)	Power Index
ax HE40-OFDMA	5190	36
ax HE40-OFDMA	5230	20
ax HE40-OFDMA	5270	20
ax HE40-OFDMA	5310	42
ax HE40-OFDMA	5510	43
ax HE40-OFDMA	5590	17
ax HE40-OFDMA	5670	32
ax HE40-OFDMA	5710	17
ax HE40-OFDMA	5755	23
ax HE40-OFDMA	5795	19
ax HE80-OFDMA	5210	32
ax HE80-OFDMA	5290	43
ax HE80-OFDMA	5530	41
ax HE80-OFDMA	5610	24
ax HE80-OFDMA	5690	21
ax HE80-OFDMA	5775	26

1.2 Local Support Equipment List

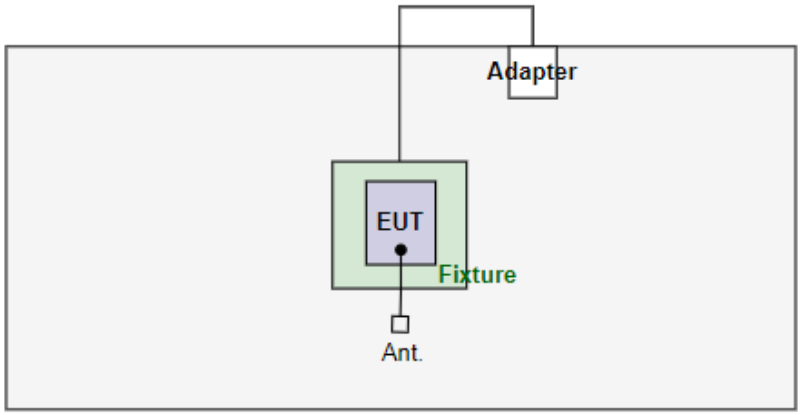
Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Laptop	DELL	Latitude 5400	DoC	---
2	Fixture	---	700-46370 REV B	---	Provided by applicant.
3	Fixture's adapter	---	EA1045CR	---	Provided by applicant. I/P: 100-240Vac,1.5A,50-60Hz O/P: 5.0V 3.0A
4	50Ω terminator	---	---	---	---

1.3 Test Setup Chart

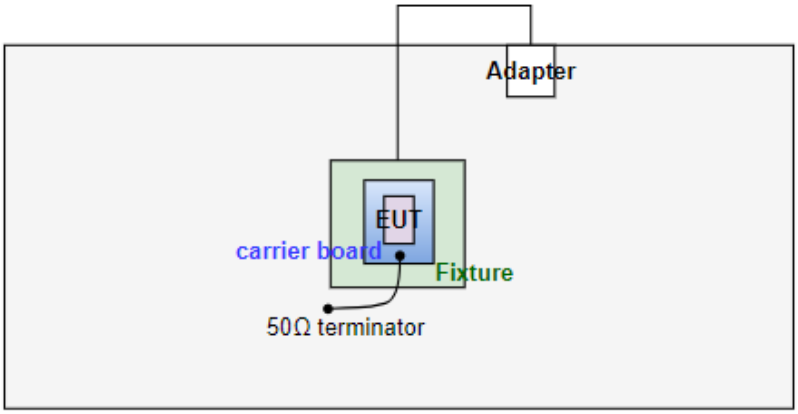
Test Setup Diagram (Conducted Emission – SC module)



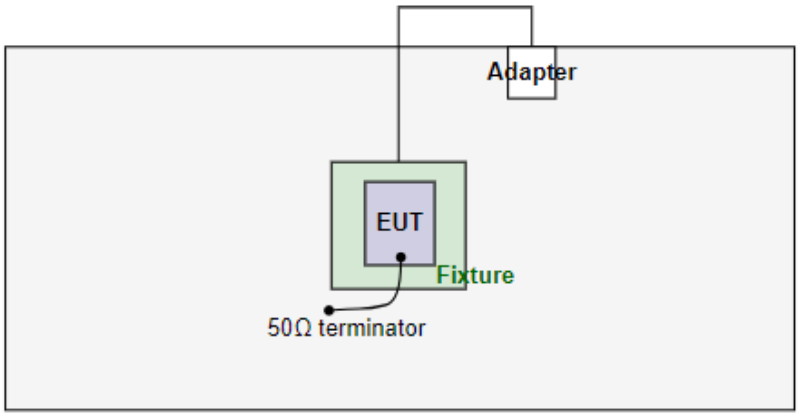
Test Setup Diagram (Conducted Emission – ST M.2, SDIO & ST M.2, PCIe module



Test Setup Diagram (Radiated Emission – SC module)



Test Setup Diagram (Radiated Emission – ST M.2, SDIO & ST M.2, PCIe module



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	May 23, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101658	Feb. 17, 2023	Feb. 16, 2024
LISN	R&S	ENV216	101295	Jan. 31, 2023	Jan. 30, 2024
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 03, 2023	Jan. 02, 2024
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 17, 2022	Oct. 16, 2023
50 ohm terminal (Support Unit)	NA	50	03	Jun. 08, 2022	Jun. 07, 2023
Measurement S/W	AUDIX	e3	6.120210k	NA	NA
Measurement S/W	Sporton	SENSE-EMI	V5.10.8.7	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Apr. 10 ~ Jun. 08, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
DC POWER SOURCE	GW INSTEK	GPC-6030D	GES855395	Oct. 31, 2022	Oct. 30, 2023
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GTH-150-40-CP-AR-T	MAA1407-012	Sep. 19, 2022	Sep. 18, 2023
HIGHPASS FILTER 7-18G	K&L	11SH10-7000/T18000-O/OP	18	Oct. 06, 2022	Oct. 05, 2023
LOWPASS FILTER	WI	WLKS1100-12SS	2	Oct. 06, 2022	Oct. 05, 2023
LOWPASS FILTER	WI	WLKS5000-12SS	1	Oct. 06, 2022	Oct. 05, 2023
Attenuator	woken	PE7013-10	10-1	Oct. 14, 2022	Oct. 13, 2023
Measurement S/W	Sporton	SENSE-15407_NII	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Apr. 12 ~ Apr. 27, 2023				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 03, 2023	Mar. 02, 2024
Spectrum Analyzer	R&S	FSV40	101498	Nov. 21, 2022	Nov. 20, 2023
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 03, 2022	Aug. 02, 2023
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 25, 2022	Nov. 24, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 28, 2022	Jun. 27, 2023
Preamplifier	EMC	EMC118A45SE	980898	Jul. 16, 2022	Jul. 15, 2023
Preamplifier	EMC	EMC184045SE	980903	Jul. 16, 2022	Jul. 15, 2023
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 04, 2022	Oct. 03, 2023
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 04, 2022	Oct. 03, 2023
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 04, 2022	Oct. 03, 2023
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 04, 2022	Oct. 03, 2023
HIGHPASS FILTER 7-18G	K&L	11SH10-7000/T18000-O/OP	18	Oct. 06, 2022	Oct. 05, 2023
LOWPASS FILTER	WI	WLKS5000-12SS	1	Oct. 06, 2022	Oct. 05, 2023
Attenuator	woken	PE7013-10	10-1	Oct. 14, 2022	Oct. 13, 2023
Measurement S/W	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407
ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Unwanted Emission ≤ 1GHz	±3.41 dB
Unwanted Emission > 1GHz	±4.59 dB
Time	±0.1%
Temperature	±0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Frequency band 5150~5350 MHz / 5470~5725 MHz							
Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test method	Mode	Test Configuration	Note
Non-beamforming mode							
AC Power Line Conducted Emissions	ax HE20-OFDMA	5580	MCS 0	Conducted	TX	1, 2, 3	-
Unwanted Emissions ≤1GHz	ax HE20-OFDMA	5580	MCS 0	Radiated	TX	1, 2, 3	Note 2
Unwanted Emissions >1GHz	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	Radiated	TX	1	Note 2
	ax HE20-OFDMA	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0				
	ax HE40-OFDMA	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0				
	ax HE80-OFDMA	5210 / 5290 / 5530 / 5610 / 5690	MCS 0				
	ax HE20-OFDMA	5200 / 5300 / 5580	MCS 0	Radiated	TX	3	Note 2
Unwanted Emissions ≤1GHz	ax HE20-OFDMA	5580	MCS 0	Conducted	TX	1, 3	-
Unwanted Emissions >1GHz	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	Conducted	TX	1	-
	ax HE20-OFDMA	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0				
	ax HE40-OFDMA	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0				
	ax HE80-OFDMA	5210 / 5290 / 5530 / 5610 / 5690	MCS 0				
	ax HE20-OFDMA	5200 / 5320 / 5500	MCS 0	Conducted	TX	3	-
Conducted Output Power	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	Conducted	TX	1, 3	-
	ax HE20-OFDMA	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0				
	ax HE40-OFDMA	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0				
	ax HE80-OFDMA	5210 / 5290 / 5530 / 5610 / 5690	MCS 0				

Frequency band 5150~5350 MHz / 5470~5725 MHz							
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test method**	**Mode**	**Test Configuration**	**Note**
Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	Conducted	TX	1	-
	ax HE20-OFDMA	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0				
	ax HE40-OFDMA	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0				
	ax HE80-OFDMA	5210 / 5290 / 5530 / 5610 / 5690	MCS 0				
Frequency Stability	Un-modulation	5300	---	Conducted	TX	1	-
Beamforming mode							
Conducted Output Power	ax HE20-OFDMA	5180 / 5200 / 5240 / 5260 / 5300 / 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	Conducted	TX	1, 3	-
	ax HE40-OFDMA	5190 / 5230/ 5270 / 5310 / 5510 / 5590 / 5670 / 5710	MCS 0				
	ax HE80-OFDMA	5210 / 5290 / 5530 / 5610 / 5690	MCS 0				

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** result was found as the worst case and was shown in this report.
2. The 50Ω terminator is connected to antenna port of EUT for radiated emission measurement.
3. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 3.01 dB.
4. Test configurations are listed as below:

   Configuration 1: Laird part number: 453-00117 (SC module)

   Configuration 2: Laird part number: 453-00119 (ST M.2, SDIO Module)

   Configuration 3: Laird part number: 453-00120 (ST M.2, PCIe Module)

Frequency band 5725-5850 MHz							
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test method**	**Mode**	**Test Configuration**	**Note**
Non-beamforming mode							
AC Power Line Conducted Emission	ax HE20-OFDMA	5785	MCS 0	Conducted	TX	1, 2, 3	-
Unwanted Emissions ≤ 1GHz	ax HE20-OFDMA	5785	MCS 0	Radiated	TX	1, 2, 3	Note 2
Unwanted Emissions >1GHz	11a ax HE20-OFDMA ax HE40-OFDMA ax HE80-OFDMA	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	Radiated	TX	1	Note 2
	ax HE20-OFDMA	5785	MCS 0	Radiated	TX	3	Note 2
Unwanted Emissions ≤ 1GHz	ax HE20-OFDMA	5745	MCS 0	Conducted	TX	1, 3	-
Unwanted Emissions >1GHz	11a ax HE20-OFDMA ax HE40-OFDMA ax HE80-OFDMA	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	Conducted	TX	1	-
	ax HE80-OFDMA	5775	MCS 0	Conducted	TX	3	-
Conducted Output Power	11a ax HE20-OFDMA ax HE40-OFDMA ax HE80-OFDMA	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	Conducted	TX	1, 3	-
6dB bandwidth Power spectral density	11a ax HE20-OFDMA ax HE40-OFDMA ax HE80-OFDMA	5745 / 5785 / 5825 5745 / 5785 / 5825 5755 / 5795 5775	6 Mbps MCS 0 MCS 0 MCS 0	Conducted	TX	1	-
Beamforming mode							
Conducted Output Power	ax HE20-OFDMA ax HE40-OFDMA ax HE80-OFDMA	5745 / 5785 / 5825 5755 / 5795 5775	MCS 0 MCS 0 MCS 0	Conducted	TX	1, 3	-

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Y-plane** result was found as the worst case and was shown in this report.
2. The 50Ω terminator is connected to antenna port of EUT for radiated emission measurement.
3. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 3.01 dB.
4. Test configurations are listed as below:

   Configuration 1: Laird part number: 453-00117 (SC module)

   Configuration 2: Laird part number: 453-00119 (ST M.2, SDIO Module)

   Configuration 3: Laird part number: 453-00120 (ST M.2, PCIe Module)

2.3 Directional gain

Directional gain is calculated by following formula from FCC KDB 662911 D01 section F)2)f)(i)

Directional gain = G_{ANT} + Array Gain; (G_{ANT} is 4.4 dBi)

For Power measurement (Non-Beamforming)

Array gain = 0 dB for N_{ANT} <= 4; (N_{ANT} for the device is 2)

For Power spectral density / out of band emission (conducted measurement) / Power measurement (Beamforming)

Array gain = 10*log(N_{ANT}/N_{SS}) dB; (N_{SS} for the device is 1)

Directional gain is calculated as below

Test item	G_{ANT} (dBi)	Array gain (dB)	Directional gain (dBi)
Output power (Non-Beamforming)	4.4	0	4.4
Output power (Beamforming)	4.4	3.01	7.41
Power spectral density	4.4	3.01	7.41
Out of band emission(conducted measurement)	4.4	3.01	7.41

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 Limit of Emission Bandwidth

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.1.2 Test Procedures

26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

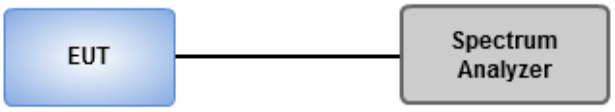
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW ≥ 3 RBW.
3. Sample detection and single sweep mode shall be used.
4. Use the 99 % power bandwidth function of the instrument.

6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz.
2. Detector = Peak,Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.1.3 Test Setup



3.1.4 Test Results

Ambient Condition	20-26°C / 61-67%	**Tested By**	Aska Huang

Refer to Appendix A.

3.2 Conducted Output Power

3.2.1 Limit of Conducted Output Power

Frequency band 5150-5250 MHz		
Operating Mode		**Limit**
☐	Outdoor access point	Conducted Power: 1 W The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm)
☒	Indoor access point	Conducted Power: 1 W
☐	Fixed point-to-point access points	Conducted Power: 1 W
☐	Client devices	Conducted Power: 250 mW

Frequency Band (MHz)		**Limit**
☒	5250 ~ 5350	Conducted Power: 250mW or 11dBm+10 log B
☒	5470 ~ 5725	Conducted Power: 250mW or 11dBm+10 log B
☒	5725 ~ 5850	Conducted Power: 1 W
Note: “B” is the 26dB emission bandwidth in MHz.		

3.2.2 Test Procedures

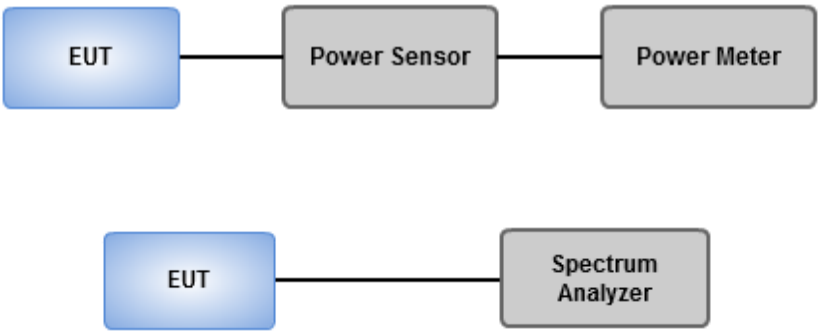
Method PM-G (Measurement using a gated RF average power meter)

Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Spectrum analyzer (For channel that extends across the 5.725 GHz boundary)

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add 10 log(1/X, X:duty cycle) if duty cycle is <98%).

3.2.3 Test Setup



3.2.4 Test Results

Ambient Condition	20-26°C / 61-67%	**Tested By**	Aska Huang

Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit of Power Spectral Density

Frequency band 5150-5250 MHz		
Operating Mode		**Limit**
☐	Outdoor access point	17 dBm / MHz
☒	Indoor access point	17 dBm / MHz
☐	Fixed point-to-point access points	17 dBm / MHz
☐	Client devices	11 dBm / MHz

Frequency Band (MHz)		**Limit**
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz
☒	5725 ~ 5850	30 dBm /500 kHz

3.3.2 Test Procedures

For 5150 ~ 5250 MHz / 5250 ~ 5350 MHz / 5470 ~ 5725 MHz

Duty cycle ≥ 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

For 5725 ~ 5850 MHz

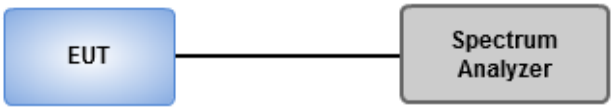
Duty cycle ≥ 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

3.3.3 Test Setup



3.3.4 Test Results

Ambient Condition	20-26°C / 61-67%	Tested By	Aska Huang

Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted Emissions

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.850 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.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.4.2 Test Procedures

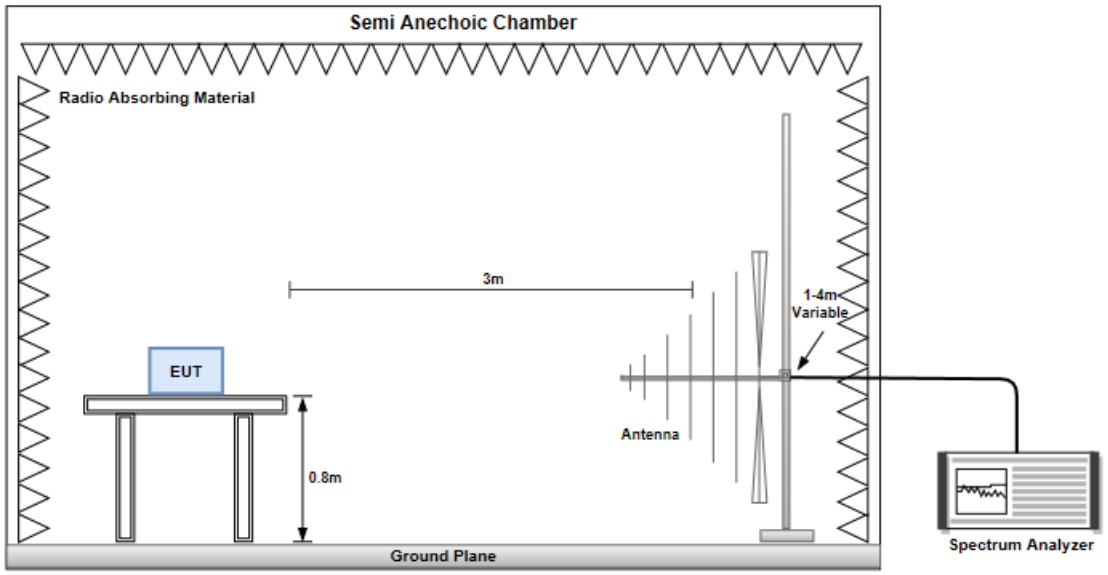
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

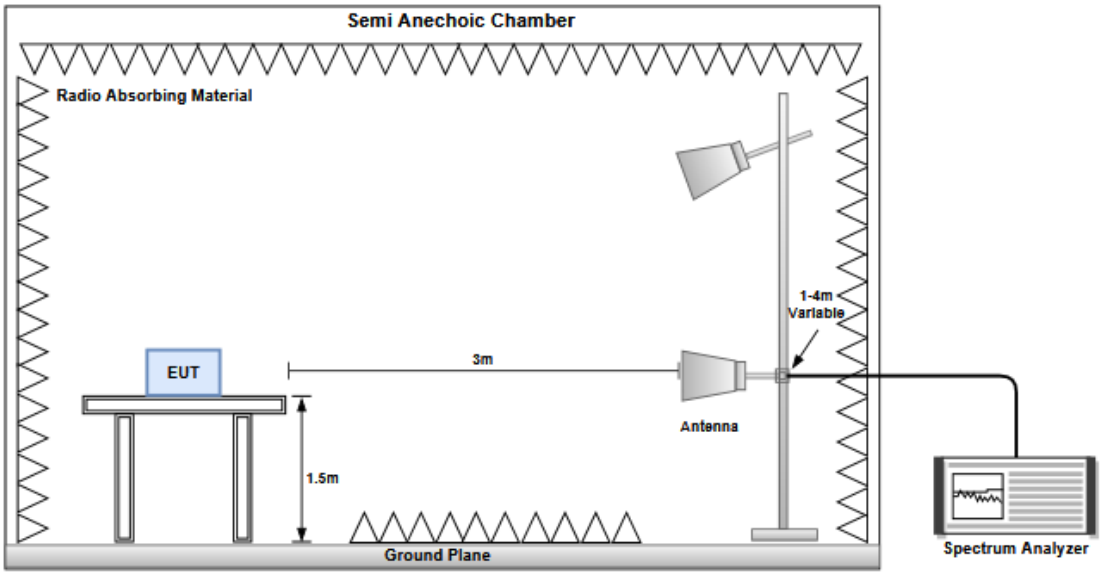
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Unwanted Emissions below 1 GHz



Unwanted Emissions above 1 GHz



3.4.4 Test Results

Refer to Appendix D.

3.5 Frequency Stability

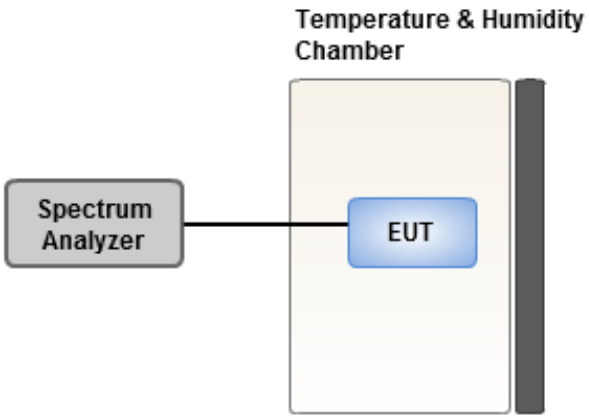
3.5.1 Limit of Frequency Stability

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

3.5.2 Test Procedures

1. The EUT is installed in an environment test chamber with external power source.
2. Set the chamber to operate at 20 centigrade and external power source to output at nominal voltage of EUT.
3. A sufficient stabilization period at each temperature is used prior to each frequency measurement.
4. When temperature is stabled, measure the frequency stability.
5. The test shall be performed under normal and extreme condition for temperature and voltage.

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	20-26°C / 61-67%	Tested By	Aska Huang

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

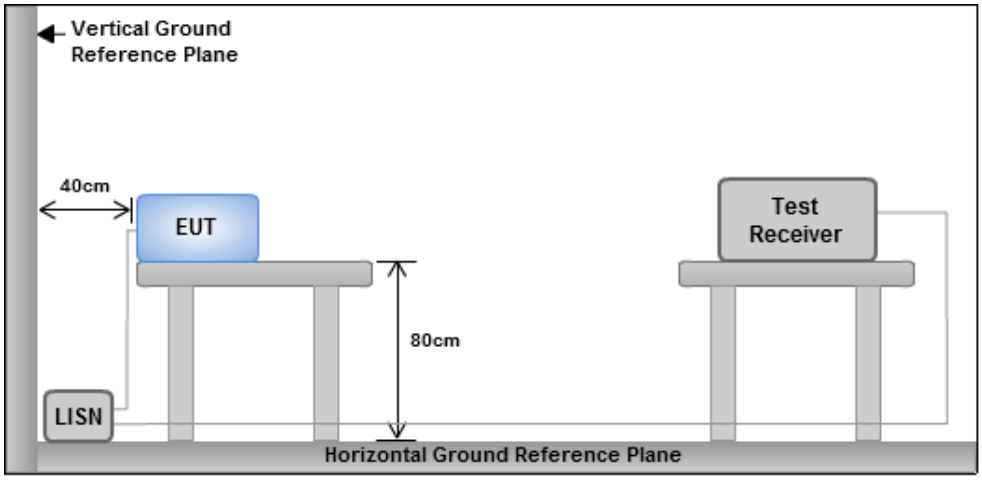
3.6.1 Limit of AC Power Line Conducted Emissions

Conducted Emissions Limit		
Frequency Emission (MHz)	**Quasi-Peak**	**Average**
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50
Note 1: * Decreases with the logarithm of the frequency.		

3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.6.3 Test Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Results

Refer to Appendix F.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website http://www.icertifi.com.tw.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou District, New Taipei City, Taiwan (R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

No.2-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666
Fax: 886-3-318-0345
Email: ICC_Service@icertifi.com.tw

==END==

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.252M	16.756M	16M8D1D	20.988M	16.597M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	24.75M	19.13M	19M1D1D	21.45M	19.04M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	69.48M	37.731M	37M7D1D	39.6M	37.541M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	81.84M	77.241M	77M2D1D	81.576M	77.001M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.242M	16.861M	16M9D1D	20.988M	16.65M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	43.164M	19.64M	19M6D1D	21.384M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	43.956M	37.721M	37M7D1D	39.996M	37.601M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	81.84M	77.001M	77M0D1D	81.576M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	21.714M	16.888M	16M9D1D	15.855M	13.418M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	43.824M	19.67M	19M7D1D	21.252M	14.738M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	57.42M	37.781M	37M8D1D	39.6M	33.898M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	90.825M	77.241M	77M2D1D	81.576M	73.388M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.302M	16.808M	16M8D1D	3.08M	4.698M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.942M	19.16M	19M2D1D	4.38M	9.595M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	37.62M	37.601M	37M6D1D	3.8M	17.511M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	76.56M	77.121M	77M1D1D	3.86M	17.951M

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 / Minimum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

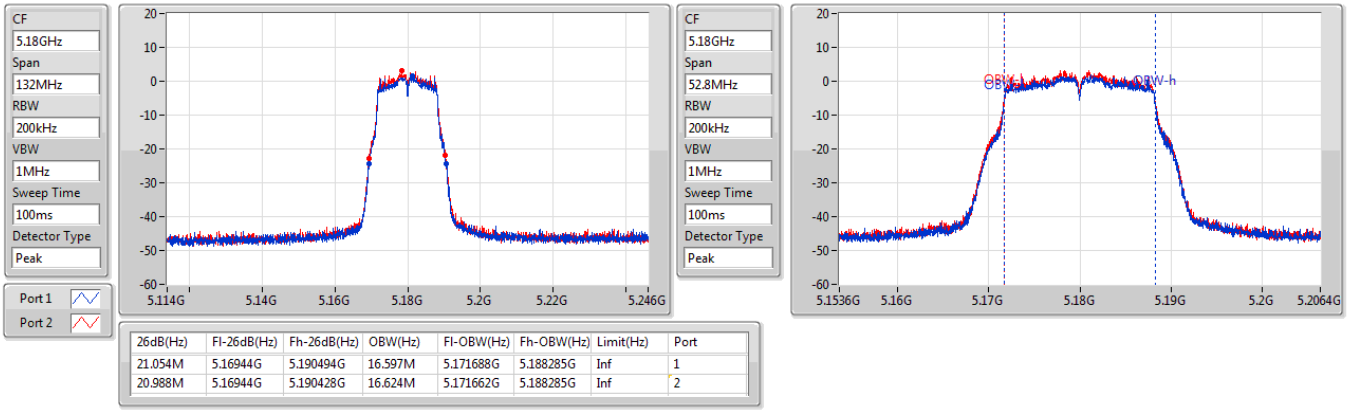
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.054M	16.597M	20.988M	16.624M
5200MHz	Pass	Inf	21.252M	16.65M	20.988M	16.729M
5240MHz	Pass	Inf	21.12M	16.597M	21.054M	16.756M
5260MHz	Pass	Inf	21.318M	16.729M	22.242M	16.808M
5300MHz	Pass	Inf	21.78M	16.703M	21.45M	16.861M
5320MHz	Pass	Inf	20.988M	16.65M	21.054M	16.703M
5500MHz	Pass	Inf	21.054M	16.65M	21.252M	16.703M
5580MHz	Pass	Inf	21.648M	16.756M	21.714M	16.888M
5700MHz	Pass	Inf	21.186M	16.65M	21.186M	16.676M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.855M	13.418M	15.855M	13.478M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.08M	4.698M	3.08M	4.878M
5745MHz	Pass	500k	16.302M	16.808M	16.302M	16.756M
5785MHz	Pass	500k	16.302M	16.65M	16.236M	16.676M
5825MHz	Pass	500k	16.236M	16.624M	16.302M	16.729M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	19.04M	21.45M	19.07M
5200MHz	Pass	Inf	21.582M	19.07M	21.582M	19.07M
5240MHz	Pass	Inf	23.166M	19.1M	24.75M	19.13M
5260MHz	Pass	Inf	37.29M	19.31M	43.164M	19.64M
5300MHz	Pass	Inf	32.67M	19.13M	32.736M	19.25M
5320MHz	Pass	Inf	21.384M	19.07M	21.714M	19.07M
5500MHz	Pass	Inf	21.648M	19.04M	21.582M	19.07M
5580MHz	Pass	Inf	40.986M	19.46M	43.824M	19.67M
5700MHz	Pass	Inf	21.252M	19.04M	21.45M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.725M	14.738M	25.68M	14.768M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.38M	9.595M	4.5M	9.875M
5745MHz	Pass	500k	18.942M	19.16M	18.942M	19.13M
5785MHz	Pass	500k	18.876M	19.1M	18.942M	19.13M
5825MHz	Pass	500k	18.876M	19.07M	18.942M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5190MHz	Pass	Inf	39.6M	37.541M	39.996M	37.541M
5230MHz	Pass	Inf	69.48M	37.731M	56.64M	37.731M
5270MHz	Pass	Inf	40.128M	37.601M	43.956M	37.721M
5310MHz	Pass	Inf	40.128M	37.601M	39.996M	37.601M
5510MHz	Pass	Inf	39.6M	37.601M	39.864M	37.601M
5590MHz	Pass	Inf	57.42M	37.721M	45.408M	37.781M
5670MHz	Pass	Inf	40.128M	37.601M	40.392M	37.661M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	50.26M	33.898M	49.735M	33.898M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	18.411M	3.9M	17.511M
5755MHz	Pass	500k	37.356M	37.541M	37.62M	37.601M
5795MHz	Pass	500k	37.092M	37.541M	36.3M	37.541M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	-	-	-	-	-	-
5210MHz	Pass	Inf	81.576M	77.241M	81.84M	77.001M
5290MHz	Pass	Inf	81.84M	77.001M	81.576M	77.001M
5530MHz	Pass	Inf	81.576M	77.121M	81.576M	77.121M
5610MHz	Pass	Inf	81.576M	77.121M	81.84M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	90.75M	73.538M	90.825M	73.388M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	22.289M	3.86M	17.951M
5775MHz	Pass	500k	76.296M	77.121M	76.56M	77.121M

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

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

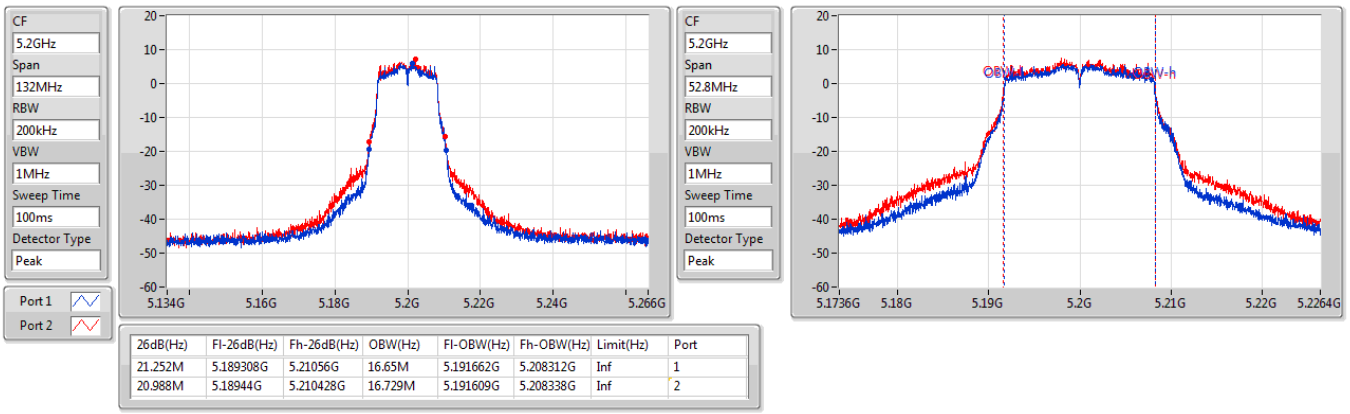
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.054M	5.16944G	5.190494G	16.597M	5.171688G	5.188285G	Inf	1
20.988M	5.16944G	5.190428G	16.624M	5.171662G	5.188285G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

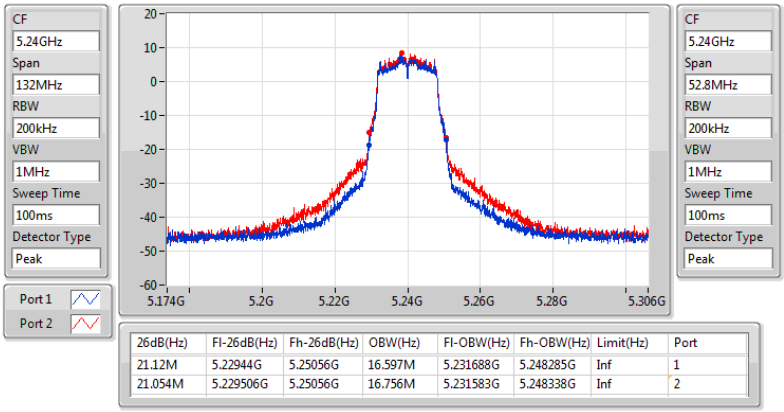
5200MHz

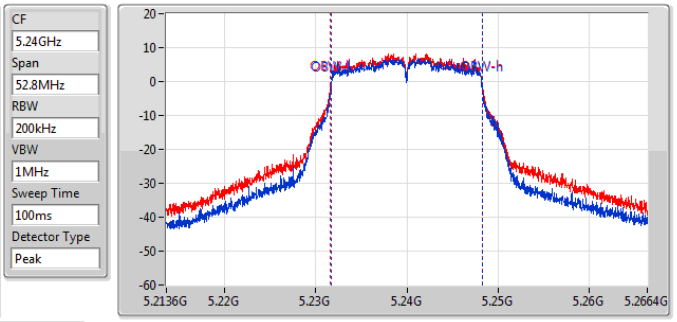


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.252M	5.189308G	5.21056G	16.65M	5.191662G	5.208312G	Inf	1
20.988M	5.18944G	5.210428G	16.729M	5.191609G	5.208338G	Inf	2

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5240MHz

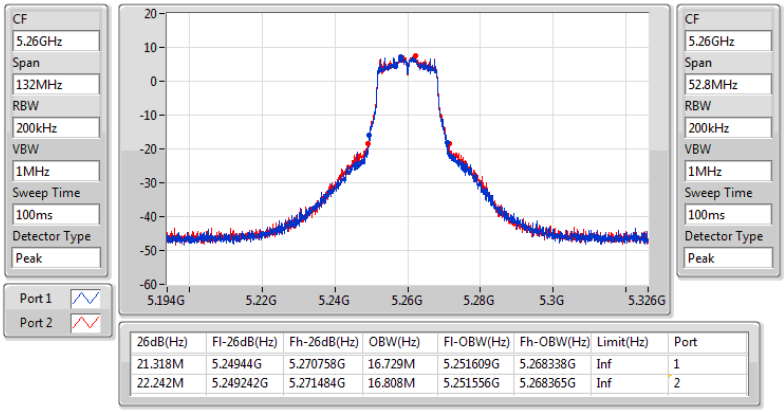


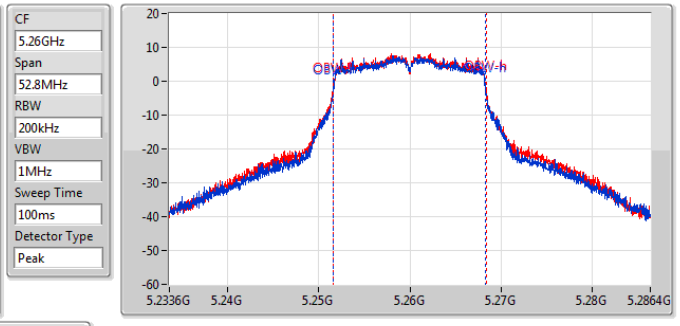


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.22944G	5.25056G	16.597M	5.231688G	5.248285G	Inf	1
21.054M	5.229506G	5.25056G	16.756M	5.231583G	5.248338G	Inf	2

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5260MHz

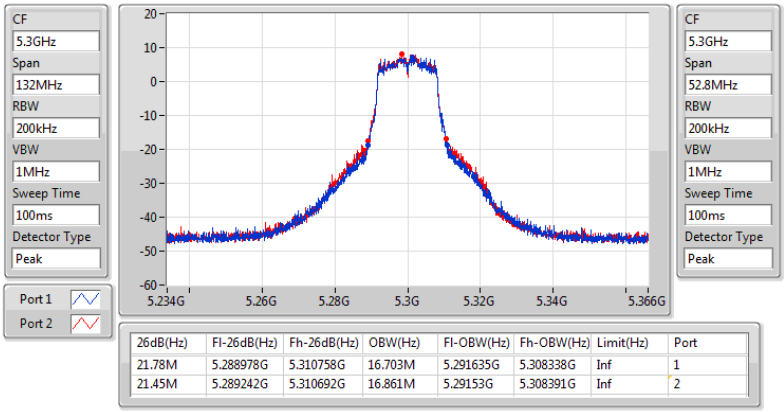


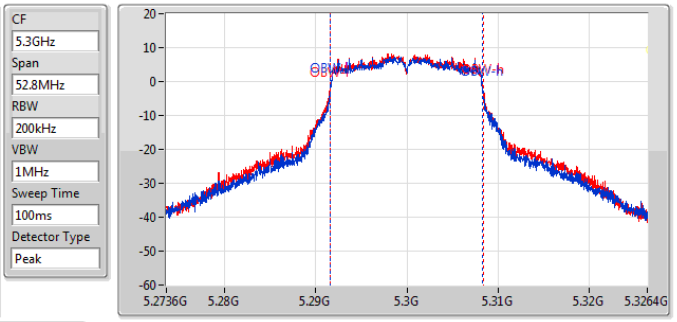


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.318M	5.24944G	5.270758G	16.729M	5.251609G	5.268338G	Inf	1
22.242M	5.249242G	5.271484G	16.808M	5.251556G	5.268365G	Inf	2

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5300MHz

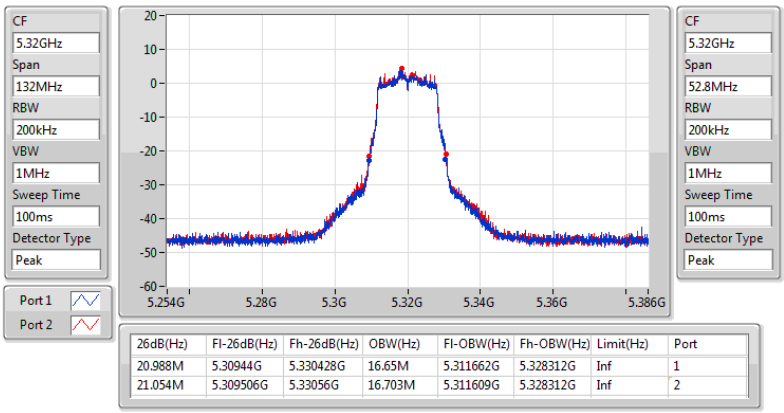


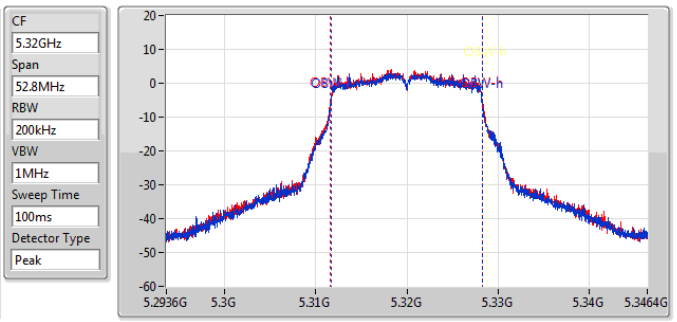


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.288978G	5.310758G	16.703M	5.291635G	5.308338G	Inf	1
21.45M	5.289242G	5.310692G	16.861M	5.29153G	5.308391G	Inf	2

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5320MHz

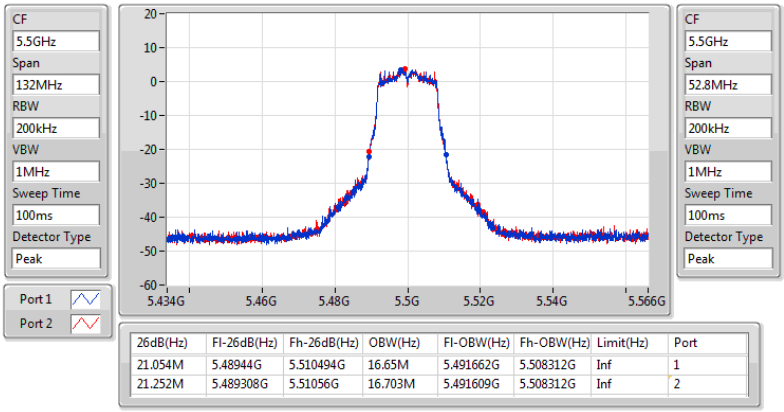


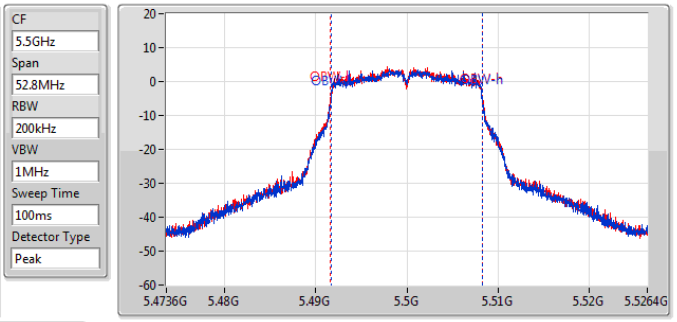


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.988M	5.30944G	5.330428G	16.65M	5.311662G	5.328312G	Inf	1
21.054M	5.309506G	5.33056G	16.703M	5.311609G	5.328312G	Inf	2

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5500MHz

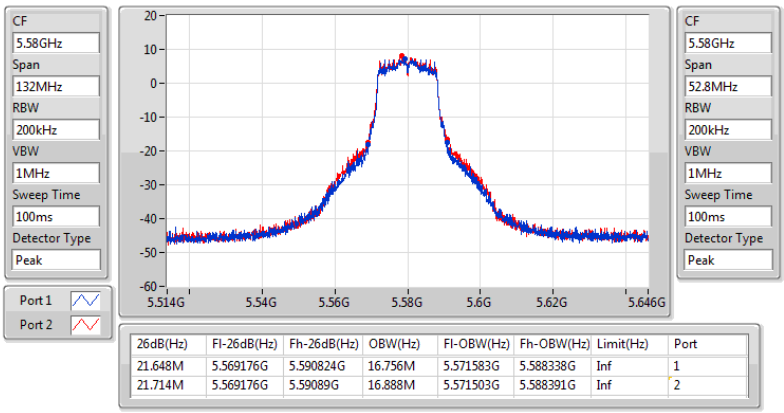


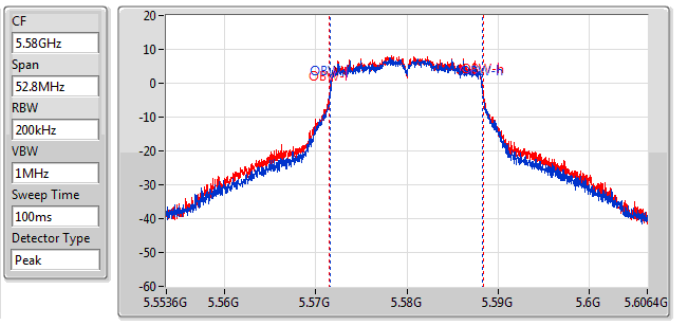


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.054M	5.48944G	5.510494G	16.65M	5.491662G	5.508312G	Inf	1
21.252M	5.489308G	5.51056G	16.703M	5.491609G	5.508312G	Inf	2

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5580MHz

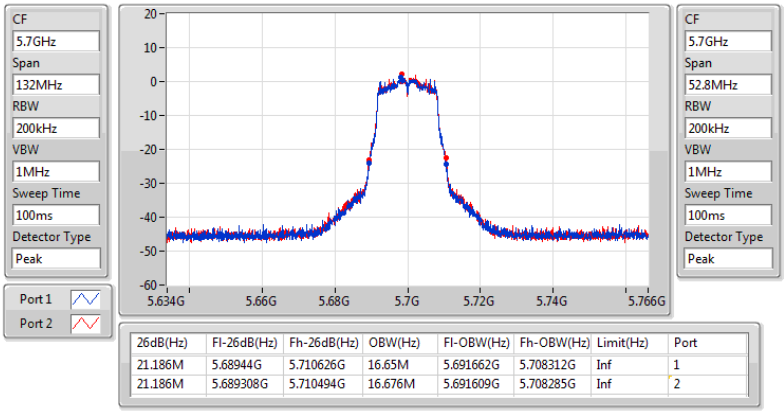


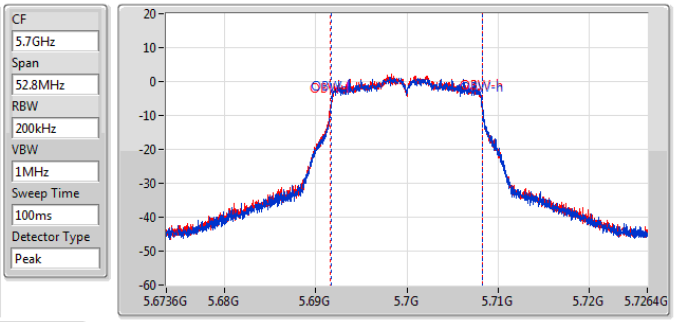


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.648M	5.569176G	5.590824G	16.756M	5.571583G	5.588338G	Inf	1
21.714M	5.569176G	5.59089G	16.888M	5.571503G	5.588391G	Inf	2

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5700MHz

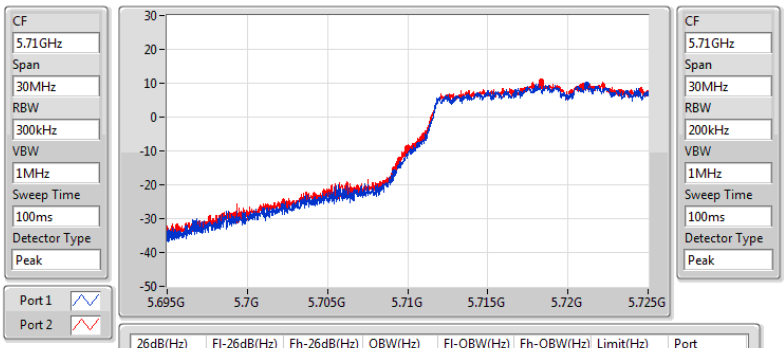


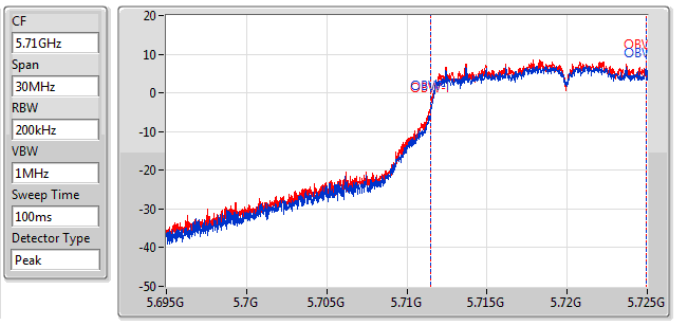


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.186M	5.68944G	5.710626G	16.65M	5.691662G	5.708312G	Inf	1
21.186M	5.689308G	5.710494G	16.676M	5.691609G	5.708285G	Inf	2

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5720MHz Straddle 5.47-5.725GHz

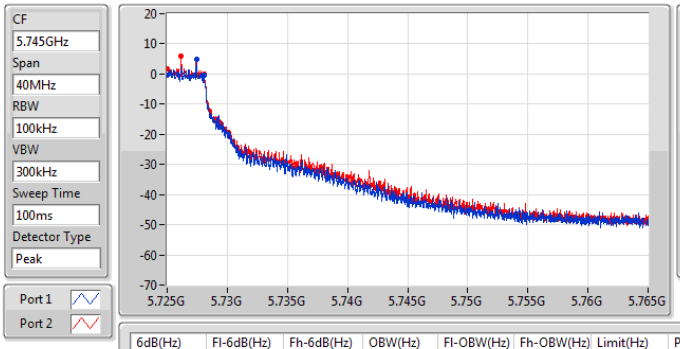


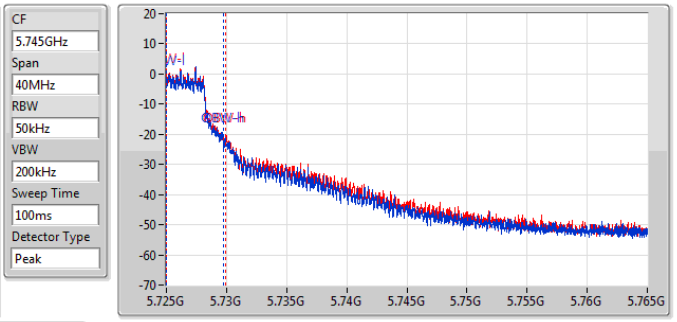


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.855M	5.709145G	5.725G	13.418M	5.711514G	5.724933G	Inf	1
15.855M	5.709145G	5.725G	13.478M	5.711454G	5.724933G	Inf	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

5720MHz Straddle 5.725-5.85GHz

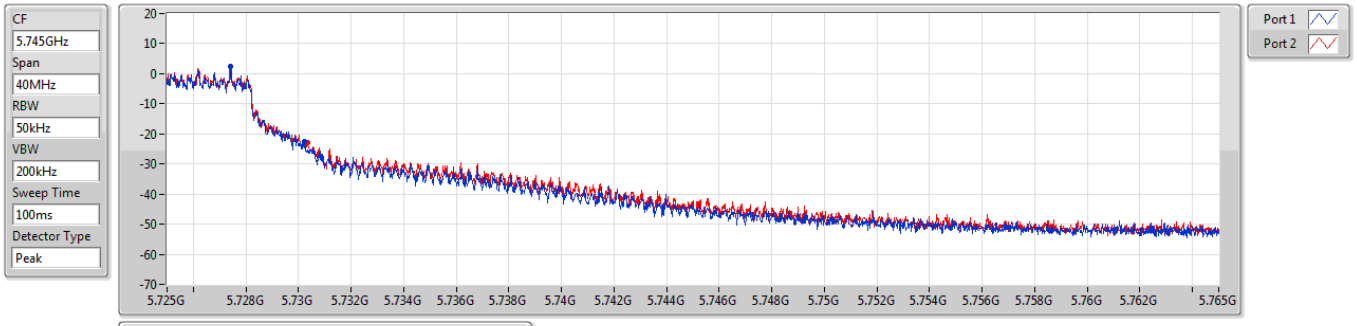




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.08M	5.725G	5.72808G	4.698M	5.72501G	5.729708G	500k	1
3.08M	5.725G	5.72808G	4.878M	5.72501G	5.729888G	500k	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

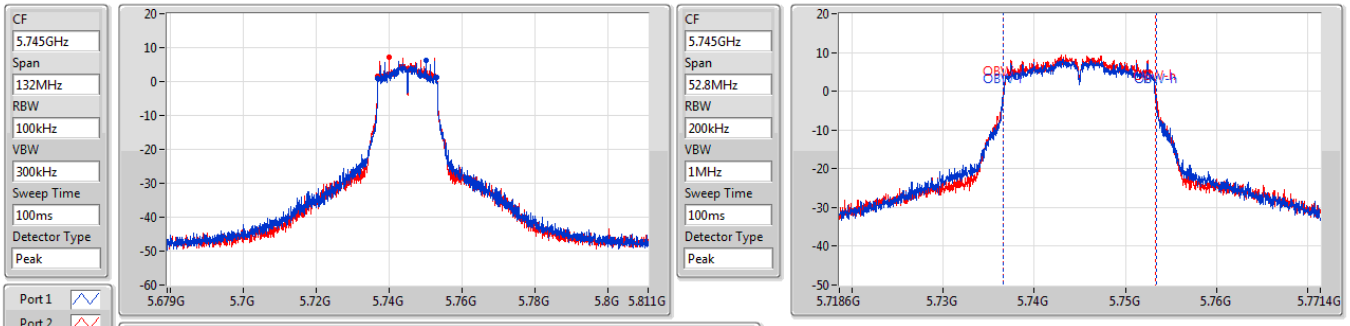
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.24M	5.725G	5.73024G	Inf	1
5.34M	5.725G	5.73034G	Inf	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

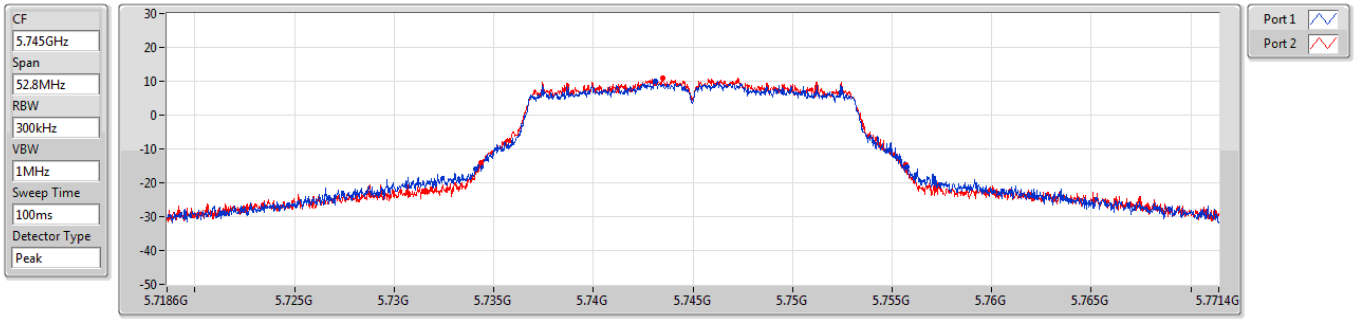
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.302M	5.736816G	5.753118G	16.808M	5.736556G	5.753365G	500k	1
16.302M	5.736816G	5.753118G	16.756M	5.736583G	5.753338G	500k	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

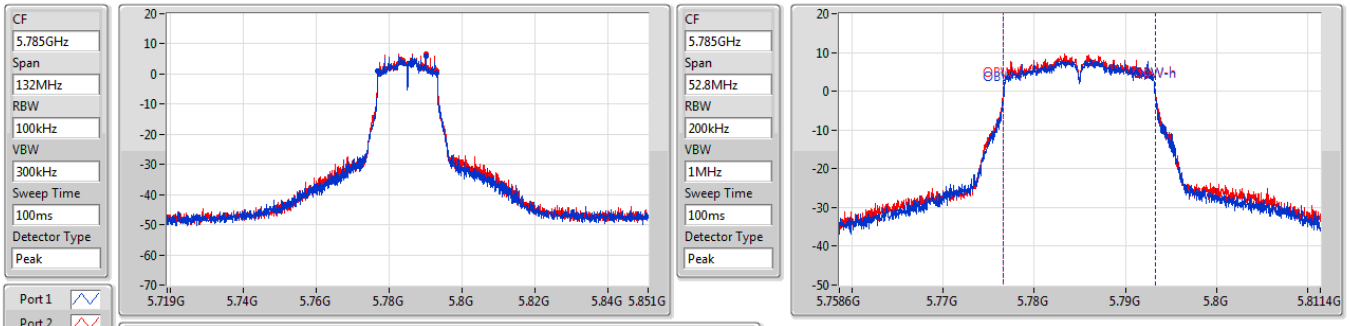
5745MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.674M	5.734097G	5.755771G	Inf	1
21.358M	5.734334G	5.755692G	Inf	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

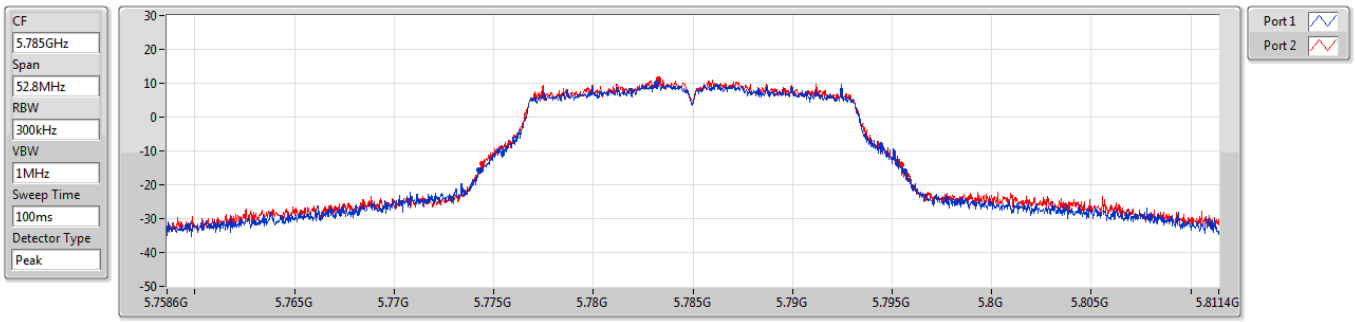
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.302M	5.776816G	5.793118G	16.65M	5.776635G	5.793285G	500k	1
16.236M	5.776816G	5.793052G	16.676M	5.776609G	5.793285G	500k	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

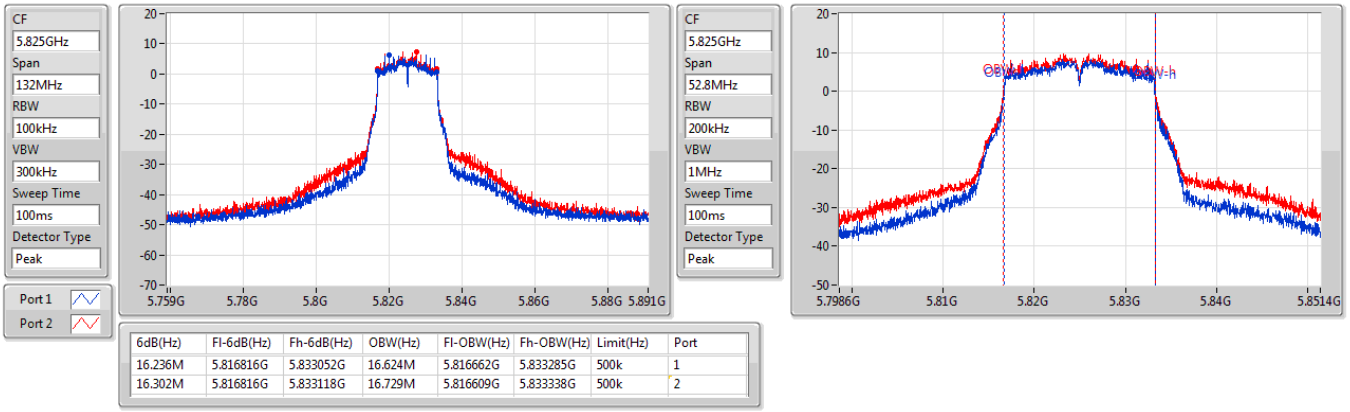
5785MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.41M	5.774255G	5.795666G	Inf	1
21.094M	5.774387G	5.795481G	Inf	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

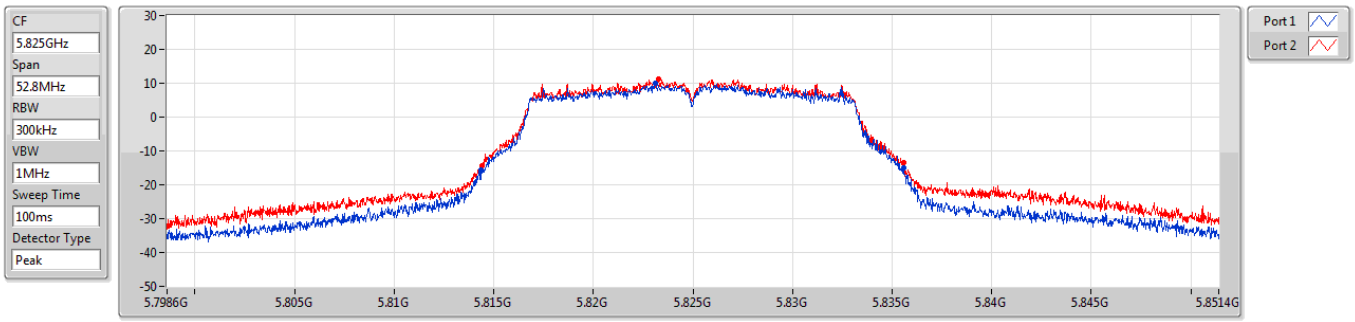
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.236M	5.816816G	5.833052G	16.624M	5.816662G	5.833285G	500k	1
16.302M	5.816816G	5.833118G	16.729M	5.816609G	5.833338G	500k	2

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX **EBW**

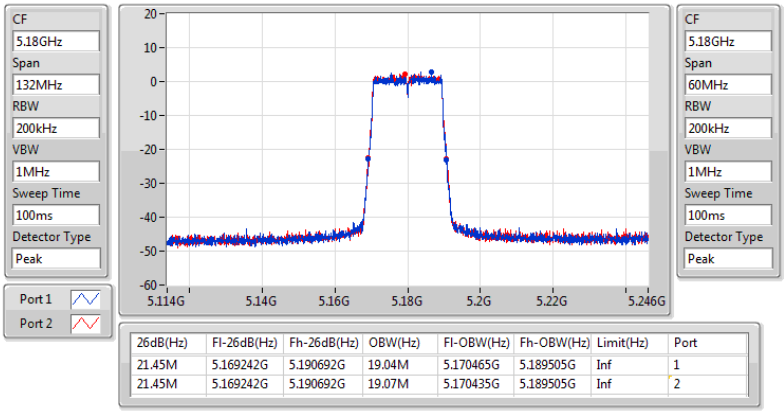
5825MHz

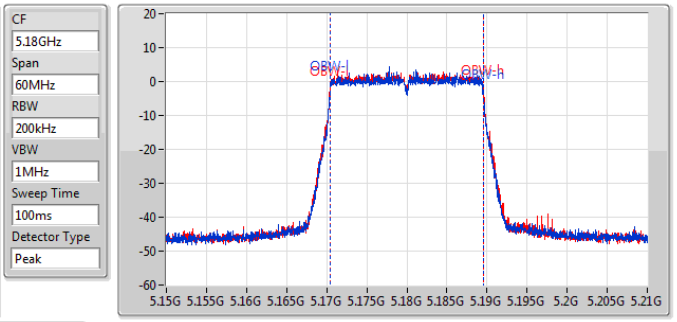


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.199M	5.814361G	5.83556G	Inf	1
21.146M	5.814414G	5.83556G	Inf	2

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5180MHz

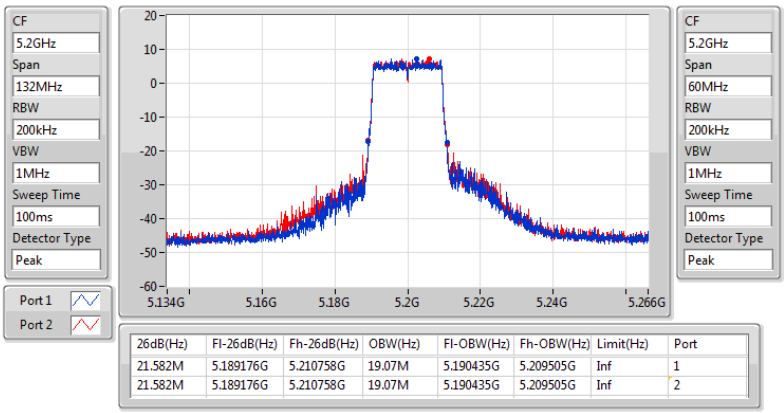


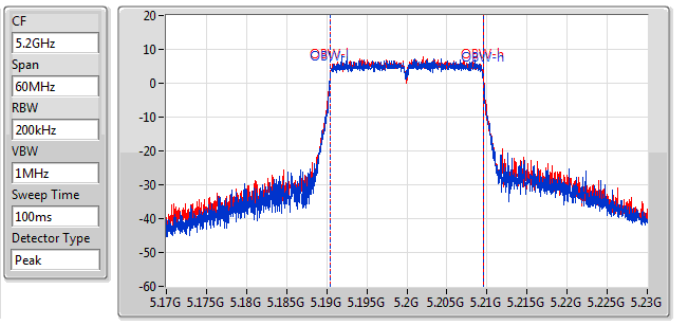


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.169242G	5.190692G	19.04M	5.170465G	5.189505G	Inf	1
21.45M	5.169242G	5.190692G	19.07M	5.170435G	5.189505G	Inf	2

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5200MHz

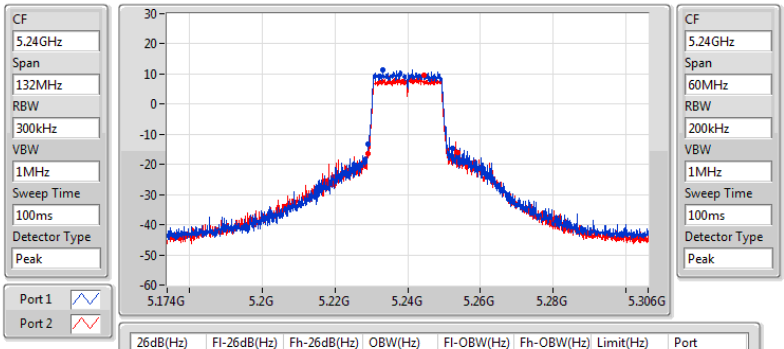


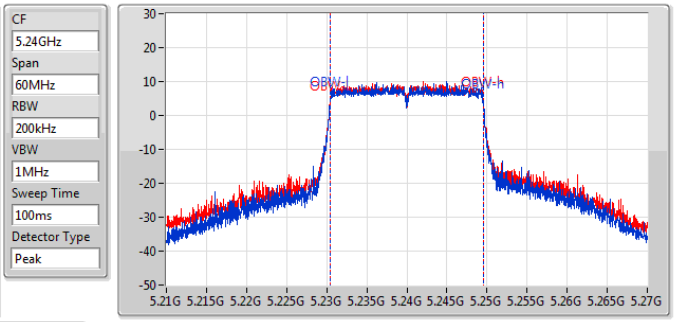


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.582M	5.189176G	5.210758G	19.07M	5.190435G	5.209505G	Inf	1
21.582M	5.189176G	5.210758G	19.07M	5.190435G	5.209505G	Inf	2

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5240MHz

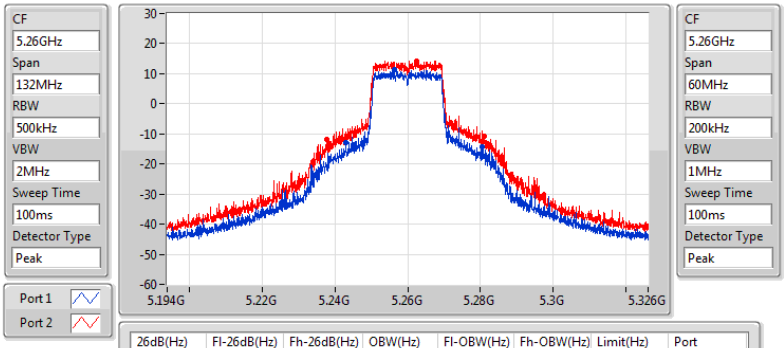


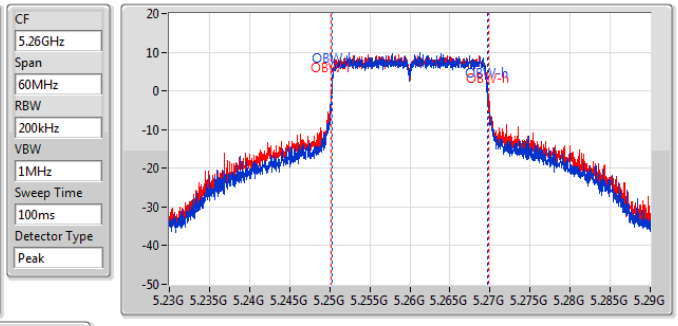


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.166M	5.229176G	5.252342G	19.1M	5.230435G	5.249535G	Inf	1
24.75M	5.22911G	5.25386G	19.13M	5.230405G	5.249535G	Inf	2

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5260MHz

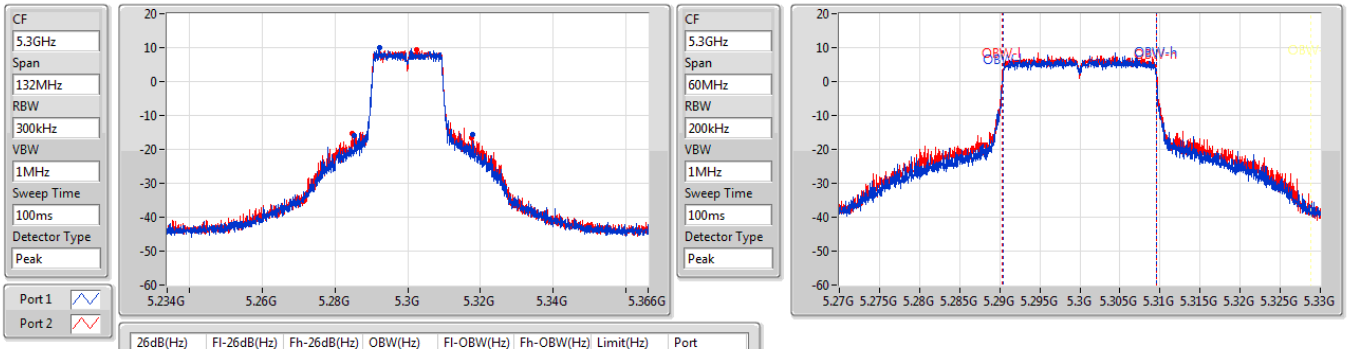




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.29M	5.243038G	5.280328G	19.31M	5.250345G	5.269655G	Inf	1
43.164M	5.237758G	5.280922G	19.64M	5.250225G	5.269865G	Inf	2

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

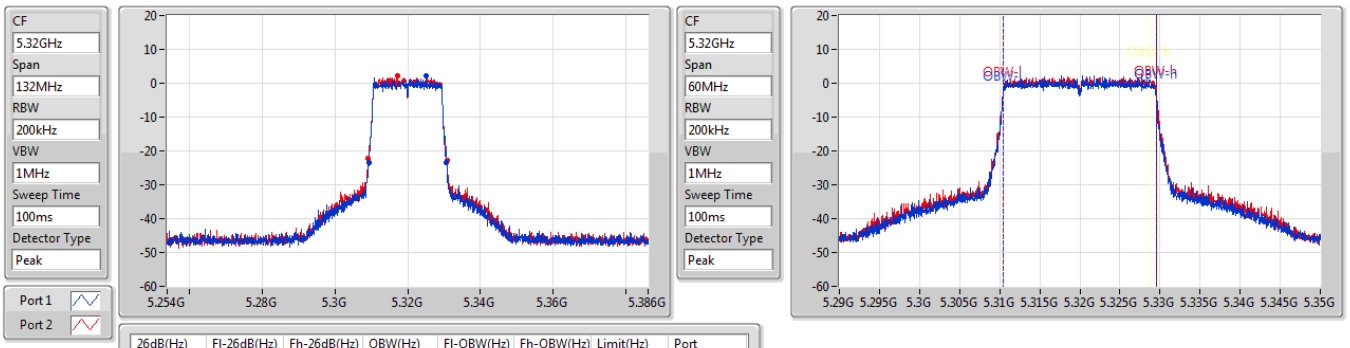
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.67M	5.285282G	5.317952G	19.13M	5.290405G	5.309535G	Inf	1
32.736M	5.284886G	5.317622G	19.25M	5.290345G	5.309595G	Inf	2

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

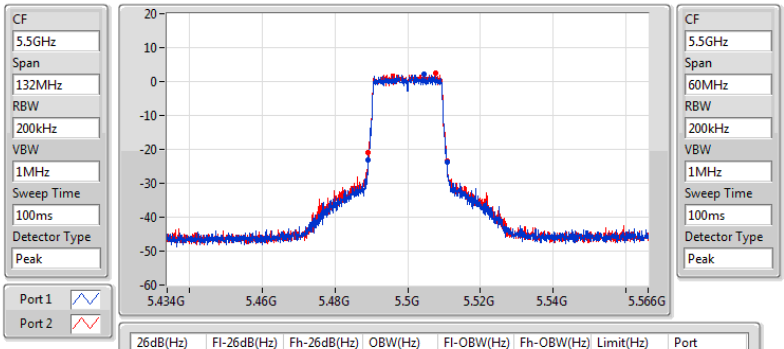
5320MHz

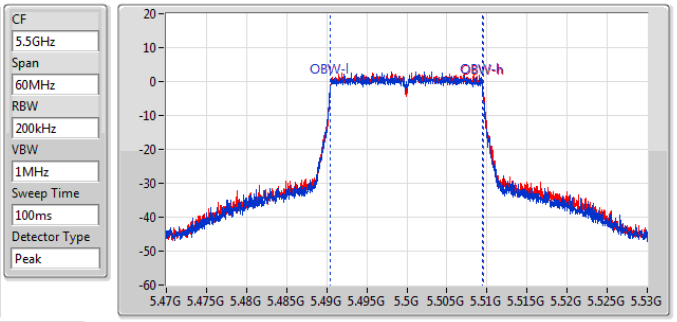


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.384M	5.309308G	5.330692G	19.07M	5.310435G	5.329505G	Inf	1
21.714M	5.309176G	5.33089G	19.07M	5.310435G	5.329505G	Inf	2

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5500MHz

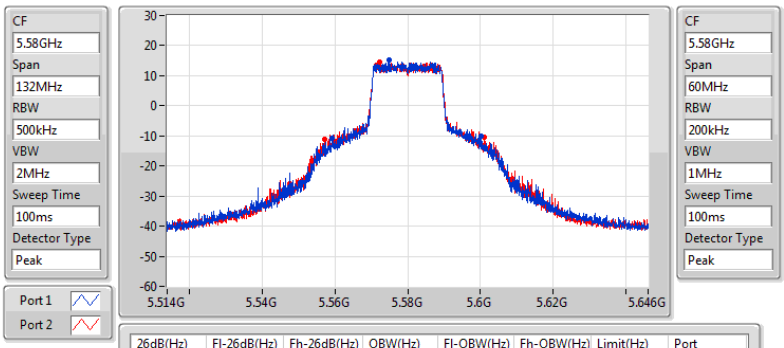


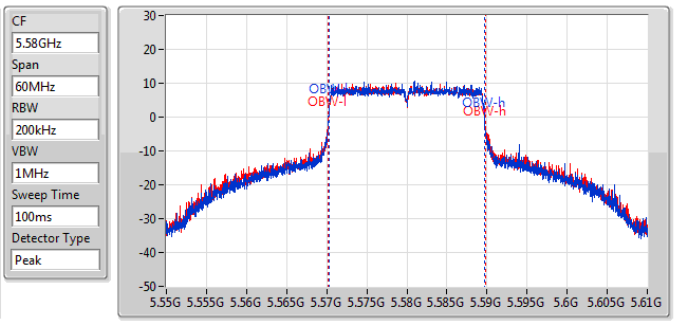


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.648M	5.489176G	5.510824G	19.04M	5.490435G	5.509475G	Inf	1
21.582M	5.489176G	5.510758G	19.07M	5.490435G	5.509505G	Inf	2

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5580MHz

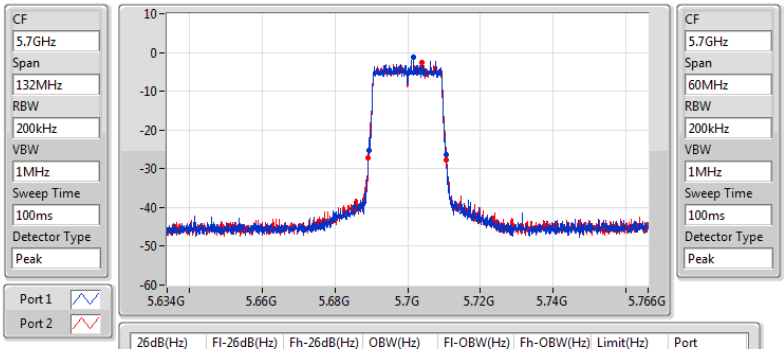


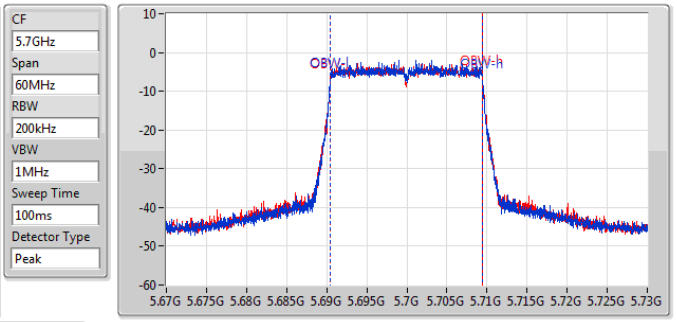


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.986M	5.559144G	5.60013G	19.46M	5.570255G	5.589715G	Inf	1
43.824M	5.55723G	5.601054G	19.67M	5.570195G	5.589865G	Inf	2

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5700MHz

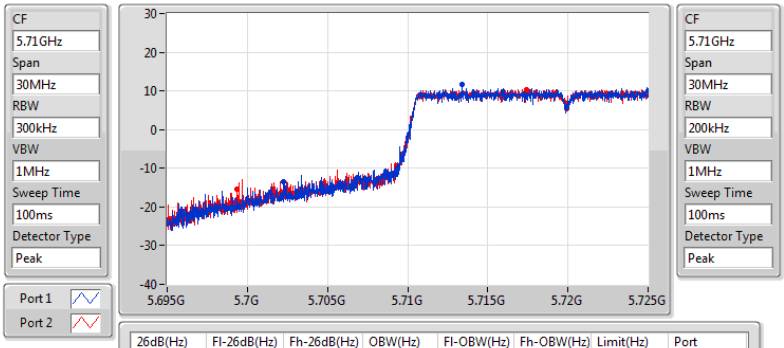


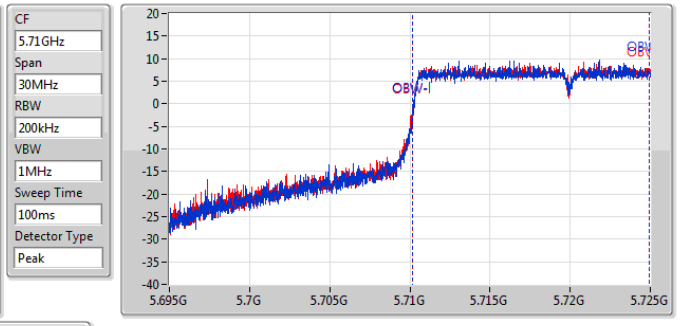


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.252M	5.689374G	5.710626G	19.04M	5.690435G	5.709475G	Inf	1
21.45M	5.689176G	5.710626G	19.04M	5.690435G	5.709475G	Inf	2

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5720MHz Straddle 5.47-5.725GHz

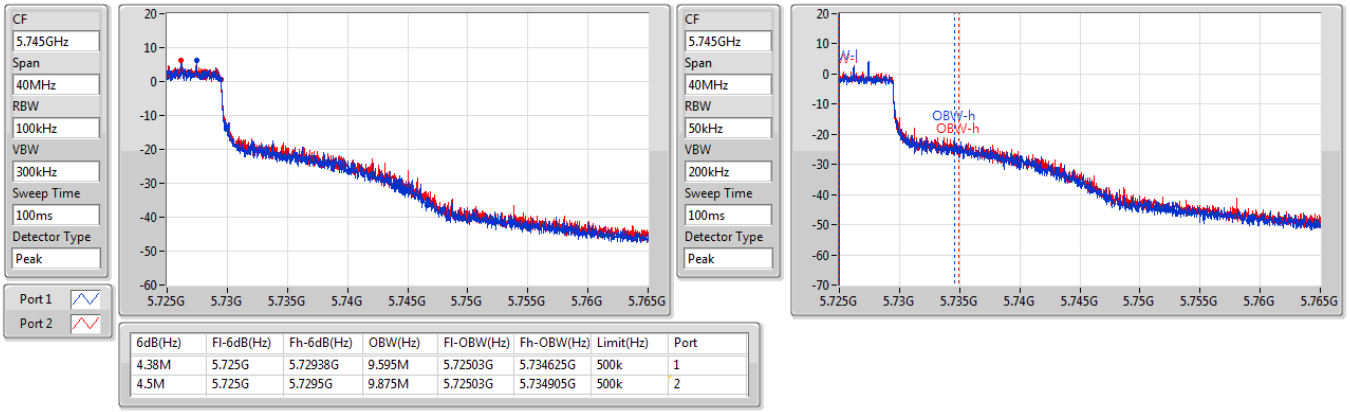




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.725M	5.702275G	5.725G	14.738M	5.710195G	5.724933G	Inf	1
25.68M	5.69932G	5.725G	14.768M	5.710165G	5.724933G	Inf	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

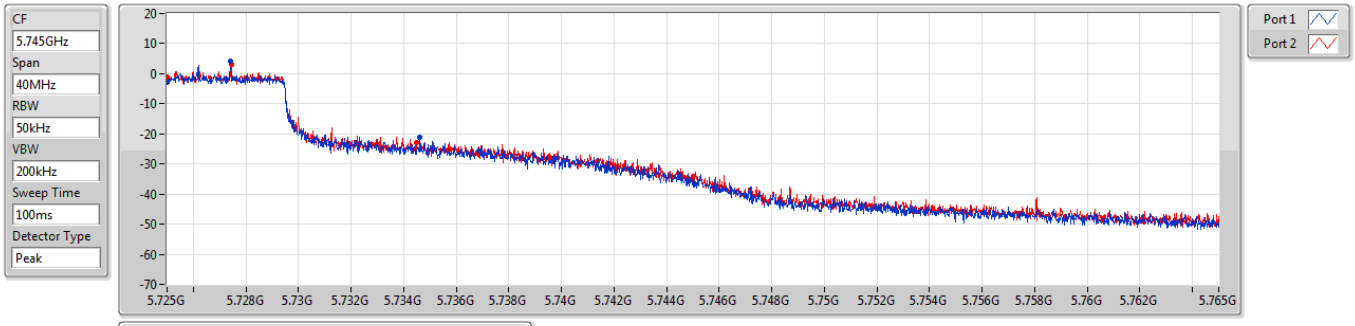
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.38M	5.725G	5.72938G	9.595M	5.72503G	5.734625G	500k	1
4.5M	5.725G	5.7295G	9.875M	5.72503G	5.734905G	500k	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

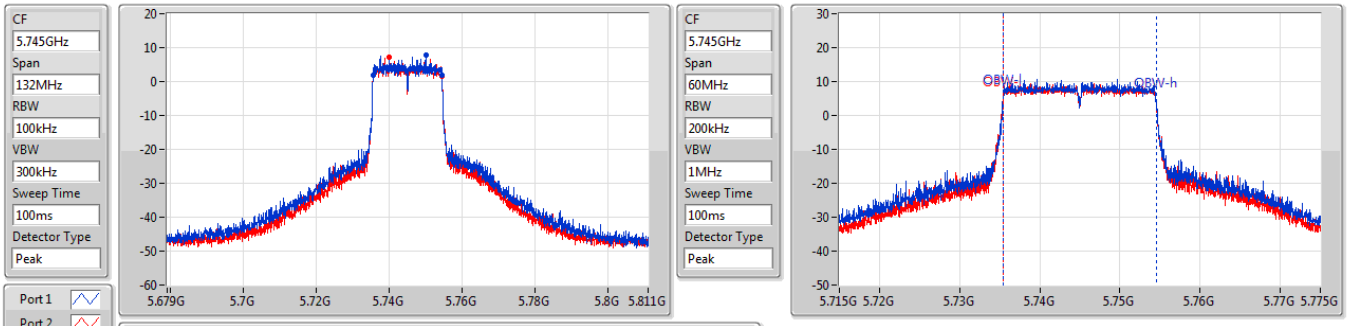
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
9.62M	5.725G	5.73462G	Inf	1
9.5M	5.725G	5.7345G	Inf	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

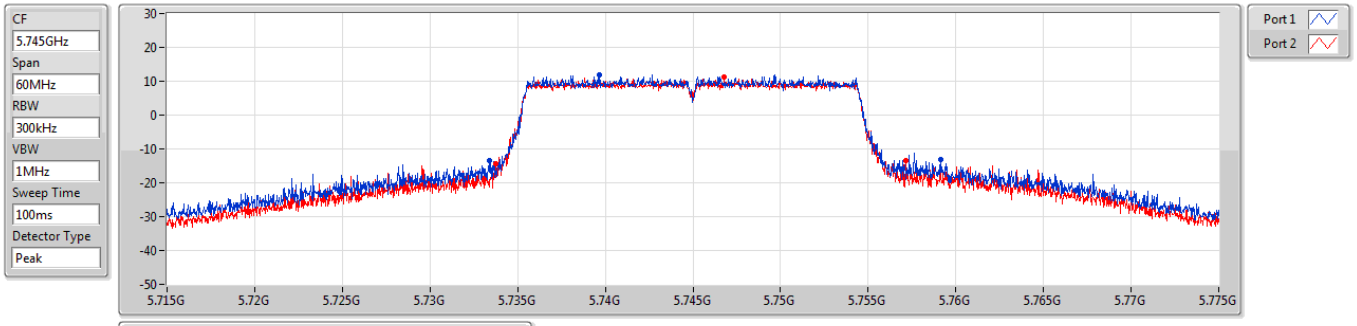
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.942M	5.735496G	5.754438G	19.16M	5.735375G	5.754535G	500k	1
18.942M	5.735496G	5.754438G	19.13M	5.735375G	5.754505G	500k	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

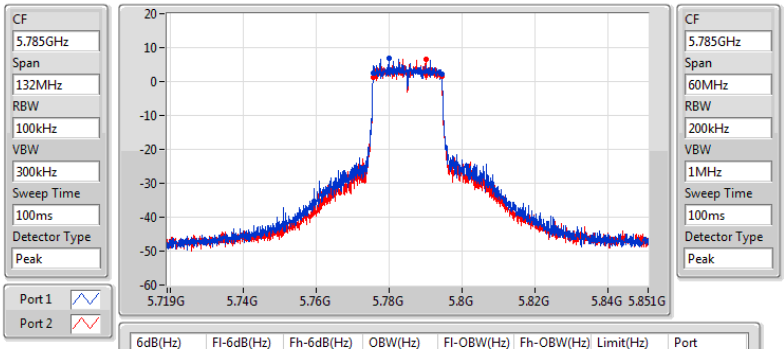
5745MHz

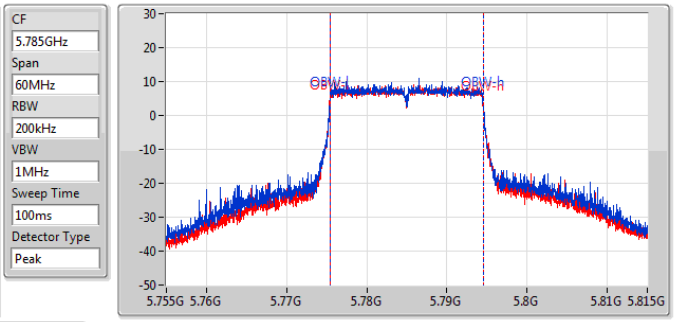


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
25.74M	5.73339G	5.75913G	Inf	1
23.37M	5.73378G	5.75715G	Inf	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5785MHz

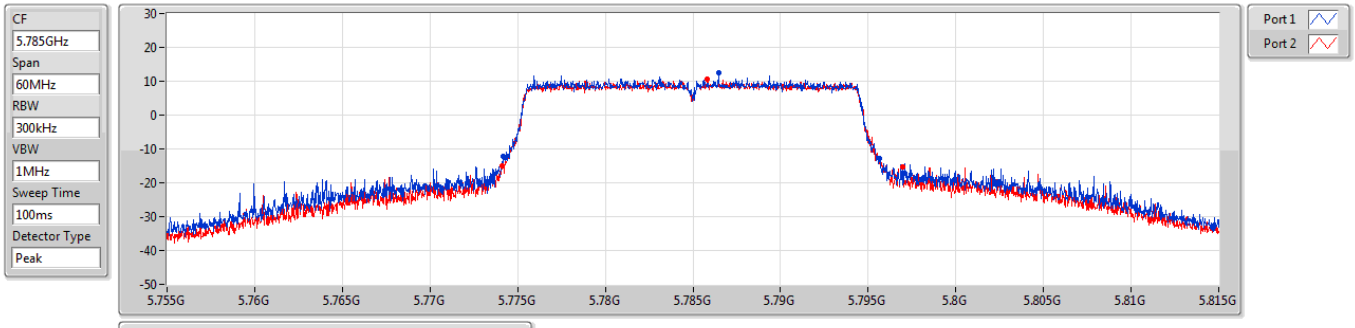




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.876M	5.775496G	5.794372G	19.1M	5.775405G	5.794505G	500k	1
18.942M	5.77543G	5.794372G	19.13M	5.775405G	5.794535G	500k	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

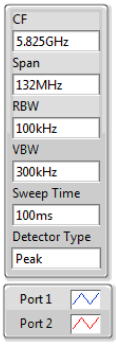
5785MHz

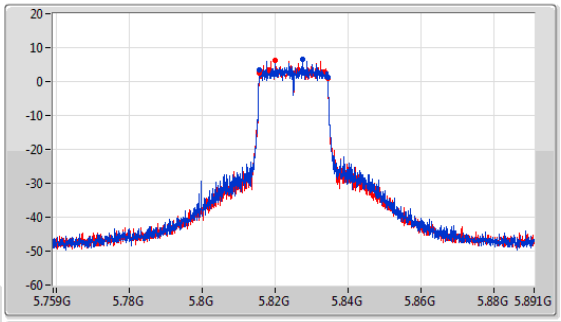


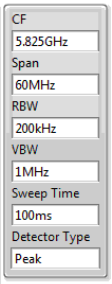
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.48M	5.77417G	5.79565G	Inf	1
22.83M	5.77411G	5.79694G	Inf	2

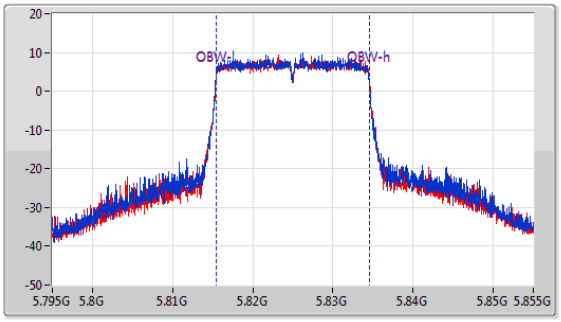
5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5825MHz





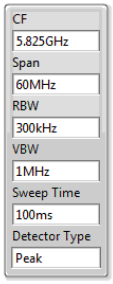


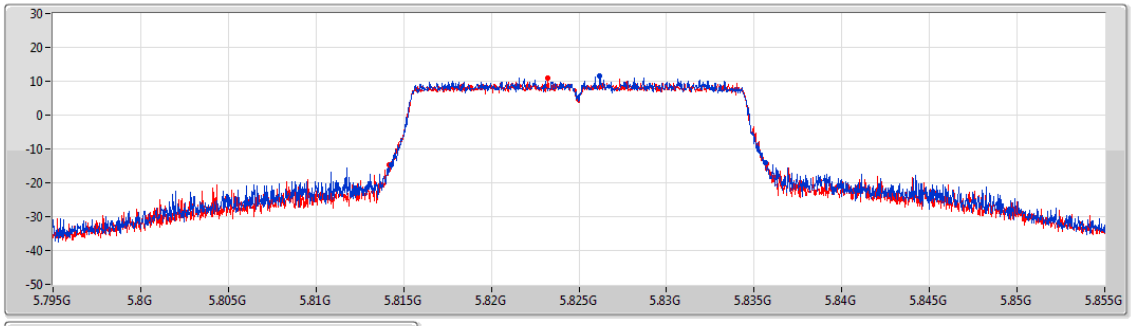


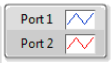
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.876M	5.815562G	5.834438G	19.07M	5.815435G	5.834505G	500k	1
18.942M	5.815496G	5.834438G	19.07M	5.815435G	5.834505G	500k	2

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5825MHz



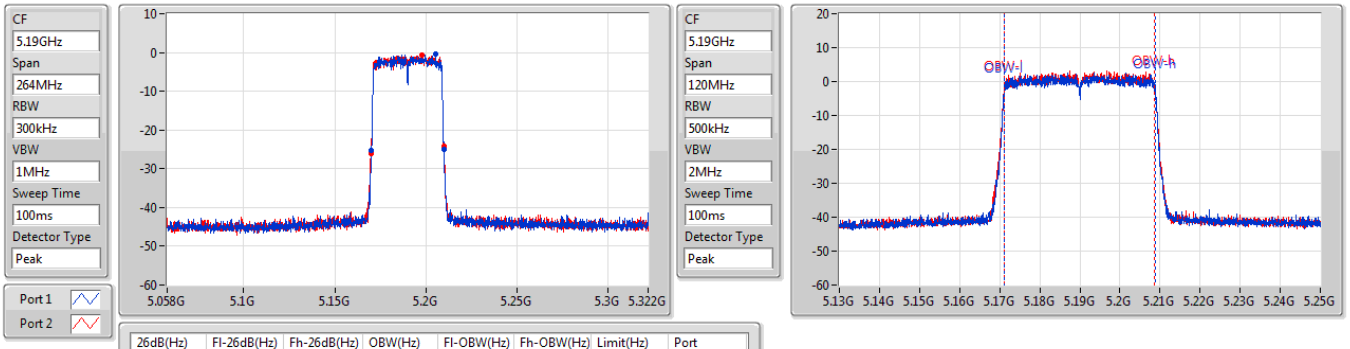




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.3M	5.81432G	5.83562G	Inf	1
21.51M	5.81417G	5.83568G	Inf	2

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

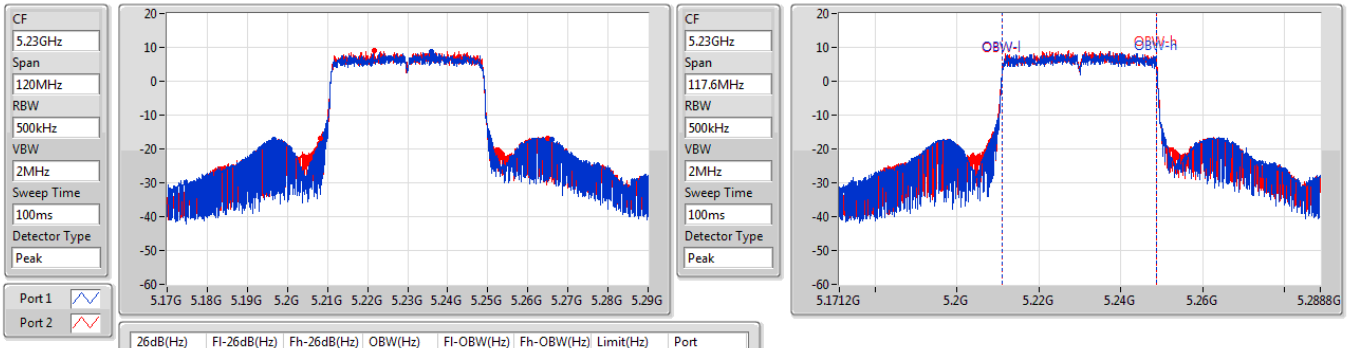
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.1702G	5.2098G	37.541M	5.171229G	5.208771G	Inf	1
39.996M	5.169804G	5.2098G	37.541M	5.171169G	5.208711G	Inf	2

5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

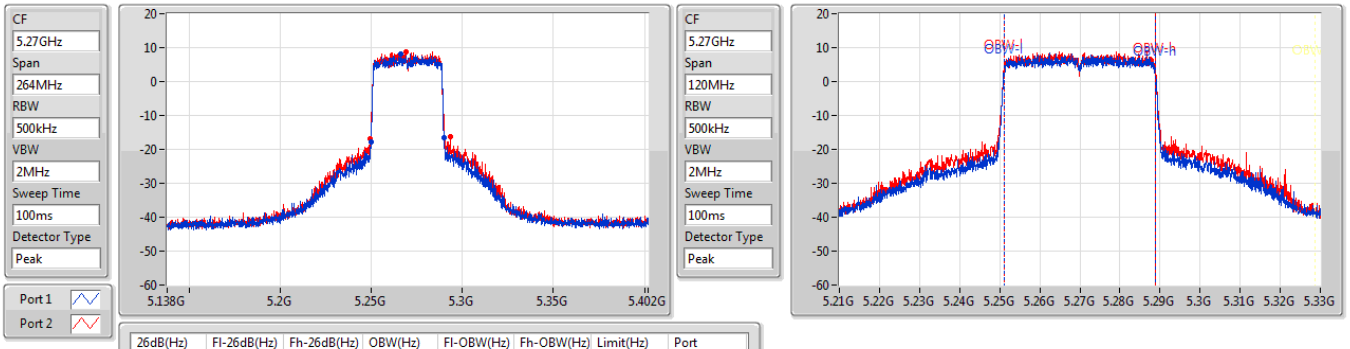
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
69.48M	5.19664G	5.26612G	37.731M	5.211076G	5.248807G	Inf	1
56.64M	5.20822G	5.26486G	37.731M	5.211076G	5.248807G	Inf	2

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

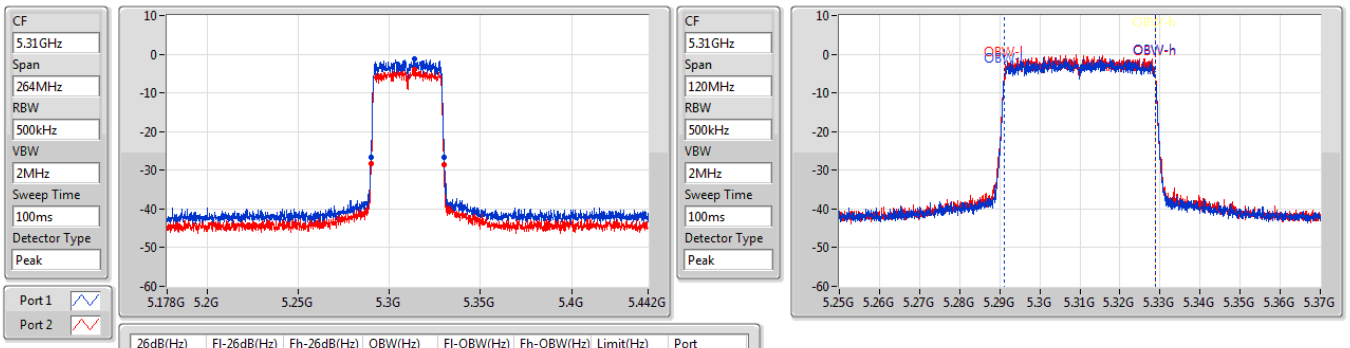
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.128M	5.249936G	5.290064G	37.601M	5.251169G	5.288771G	Inf	1
43.956M	5.249672G	5.293628G	37.721M	5.251109G	5.288831G	Inf	2

5.25-5.35GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

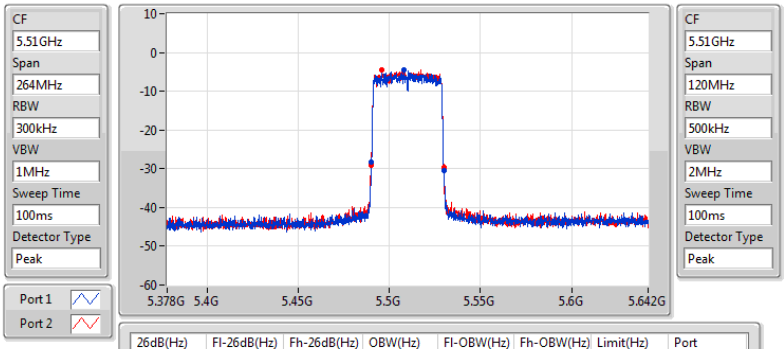
5310MHz

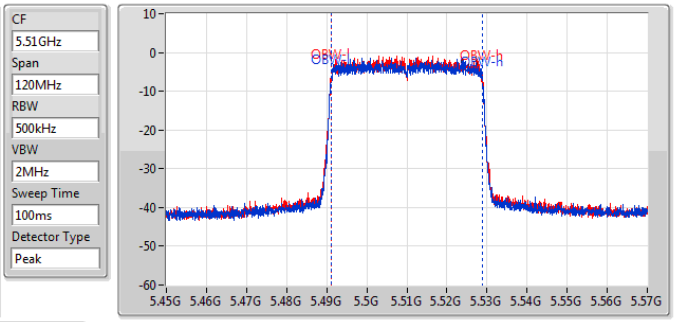


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.128M	5.289936G	5.330064G	37.601M	5.291169G	5.328771G	Inf	1
39.996M	5.289936G	5.329932G	37.601M	5.291169G	5.328771G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5510MHz

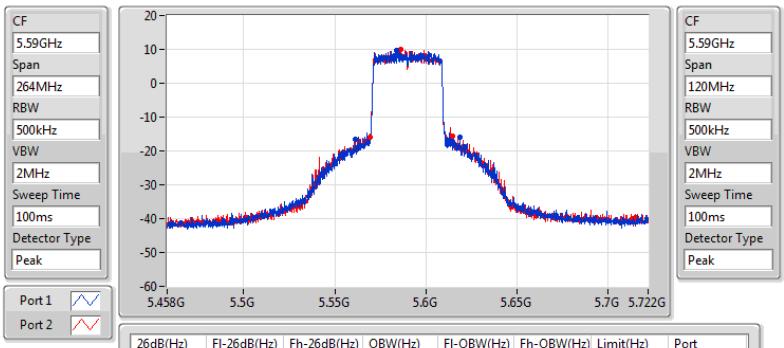


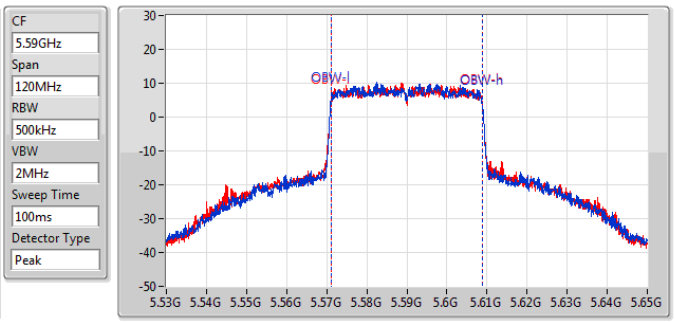


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.4902G	5.5298G	37.601M	5.491169G	5.528771G	Inf	1
39.864M	5.489936G	5.5298G	37.601M	5.491169G	5.528771G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5590MHz

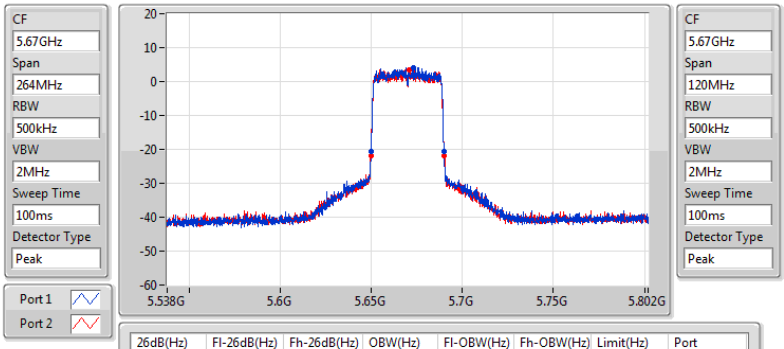


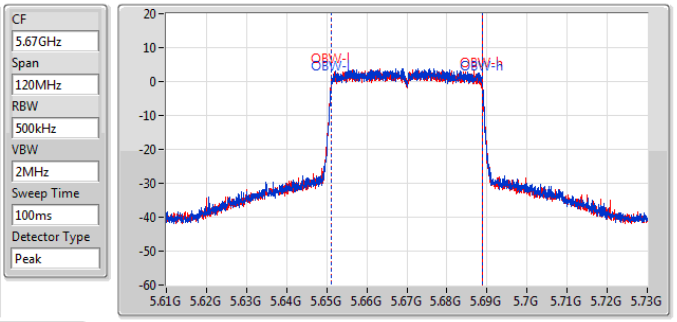


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
57.42M	5.561356G	5.618776G	37.721M	5.571049G	5.608771G	Inf	1
45.408M	5.569276G	5.614684G	37.781M	5.571049G	5.608831G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5670MHz

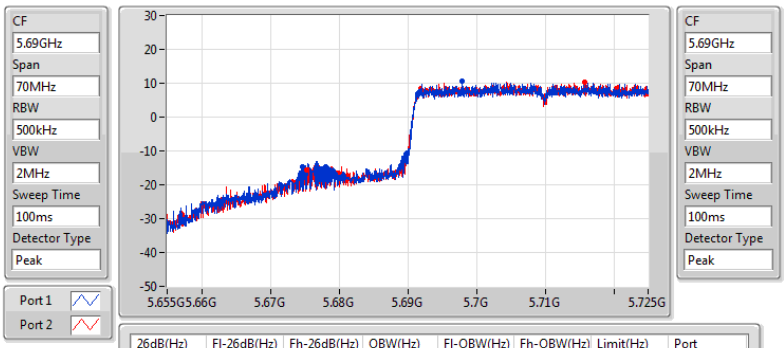


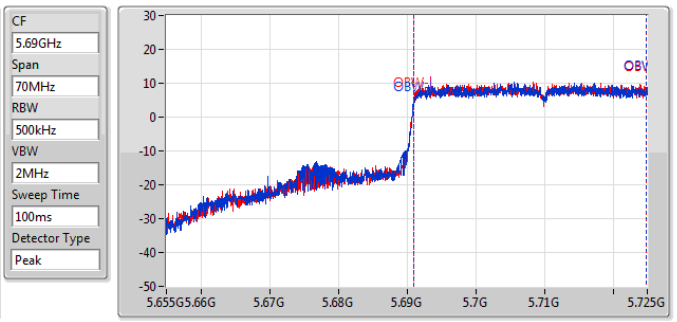


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.128M	5.649936G	5.690064G	37.601M	5.651169G	5.688771G	Inf	1
40.392M	5.649804G	5.690196G	37.661M	5.651109G	5.688771G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5710MHz Straddle 5.47-5.725GHz

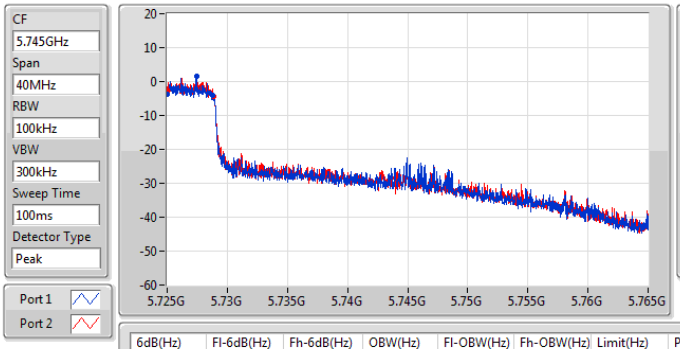


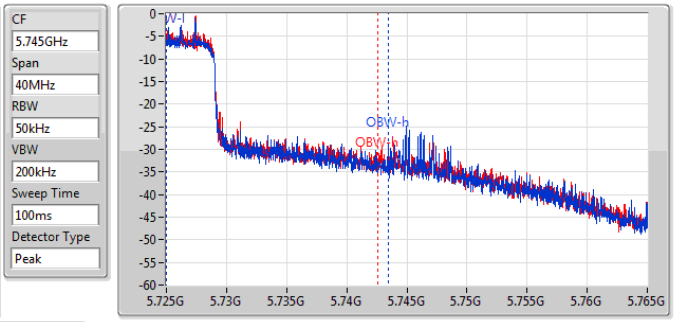


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.26M	5.67474G	5.725G	33.898M	5.690945G	5.724843G	Inf	1
49.735M	5.675265G	5.725G	33.898M	5.690945G	5.724843G	Inf	2

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5710MHz Straddle 5.725-5.85GHz

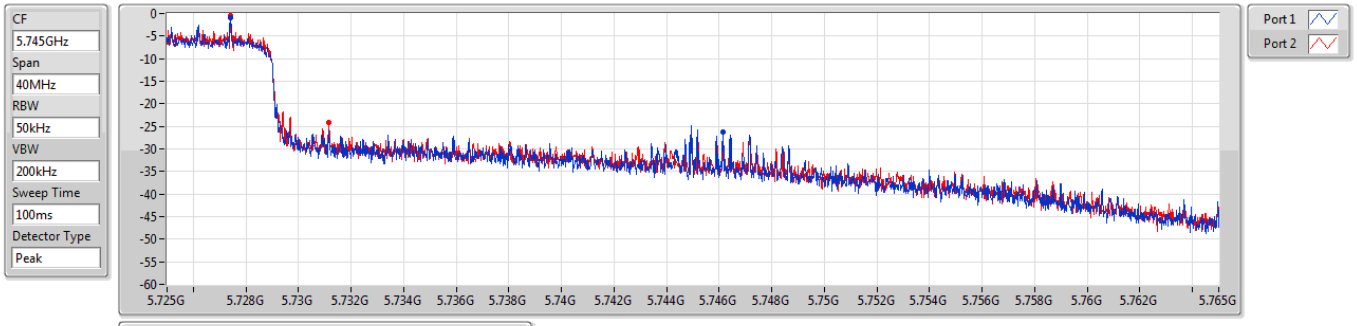




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.8M	5.725G	5.7288G	18.411M	5.72501G	5.743421G	500k	1
3.9M	5.725G	5.7289G	17.511M	5.72503G	5.742541G	500k	2

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

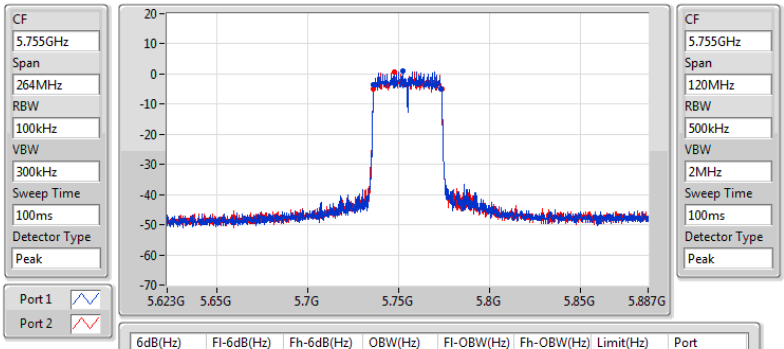
5710MHz Straddle 5.725-5.85GHz

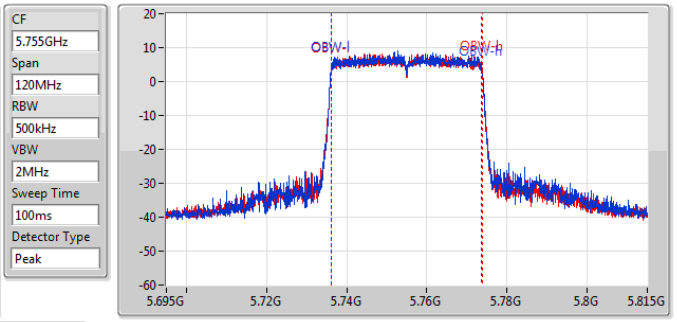


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.16M	5.725G	5.74616G	Inf	1
6.16M	5.725G	5.73116G	Inf	2

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5755MHz

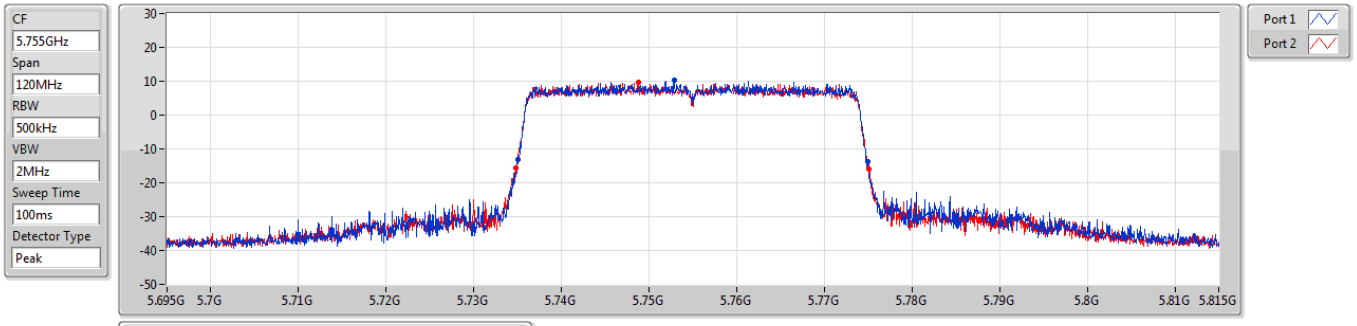




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.356M	5.736124G	5.77348G	37.541M	5.736169G	5.773711G	500k	1
37.62M	5.736124G	5.773744G	37.601M	5.736169G	5.773771G	500k	2

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

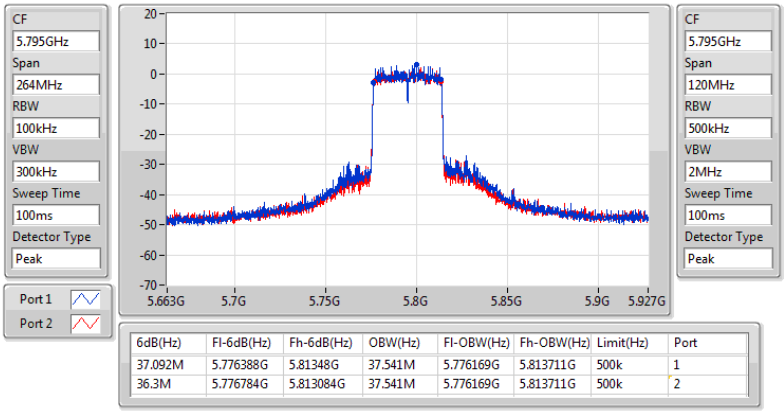
5755MHz



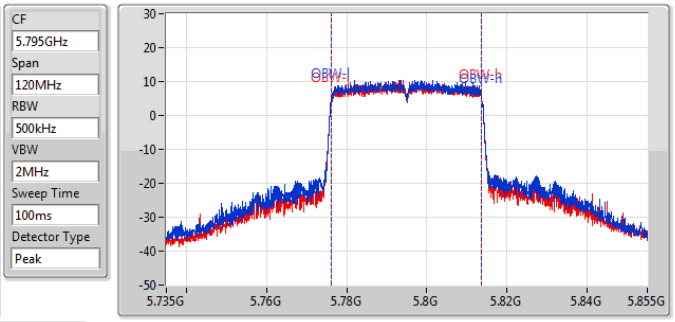
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
39.96M	5.73502G	5.77498G	Inf	1
40.26M	5.73484G	5.7751G	Inf	2

5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5795MHz

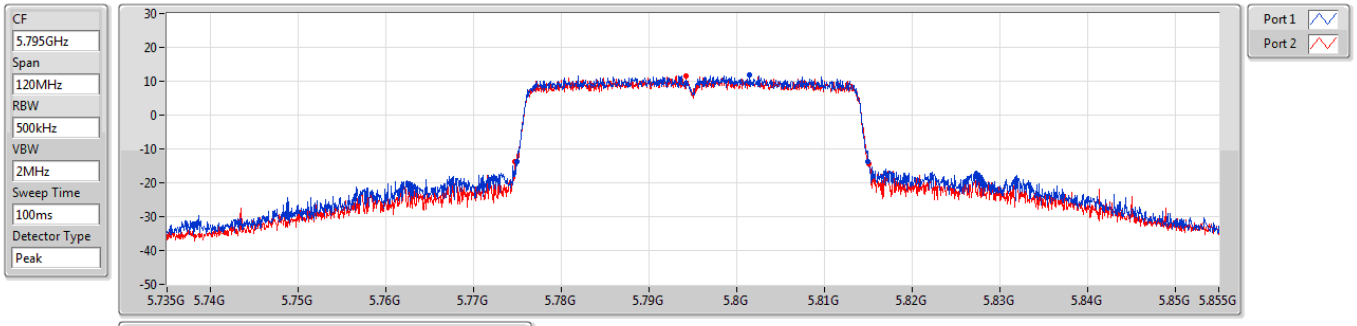


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.092M	5.776388G	5.81348G	37.541M	5.776169G	5.813711G	500k	1
36.3M	5.776784G	5.813084G	37.541M	5.776169G	5.813711G	500k	2



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

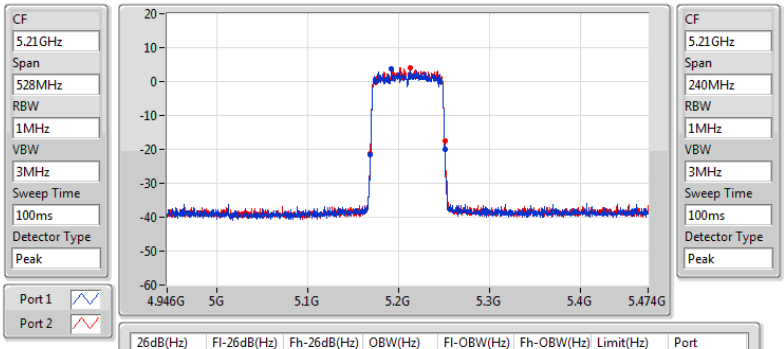
5795MHz

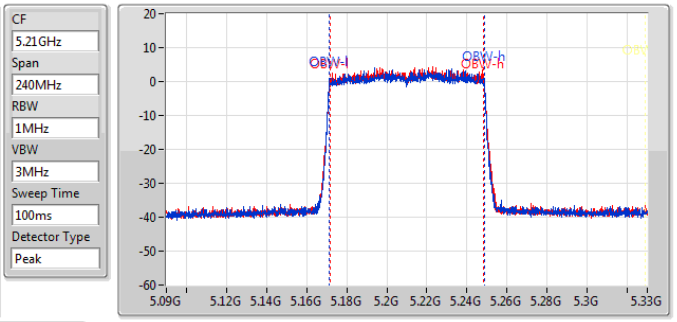


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
40.08M	5.7749G	5.81498G	Inf	1
40.38M	5.77472G	5.8151G	Inf	2

5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5210MHz

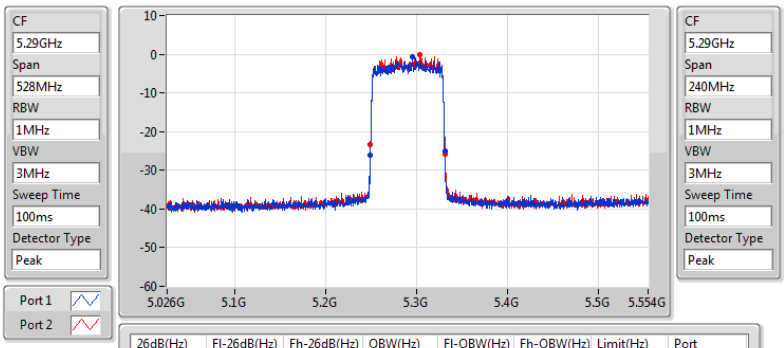


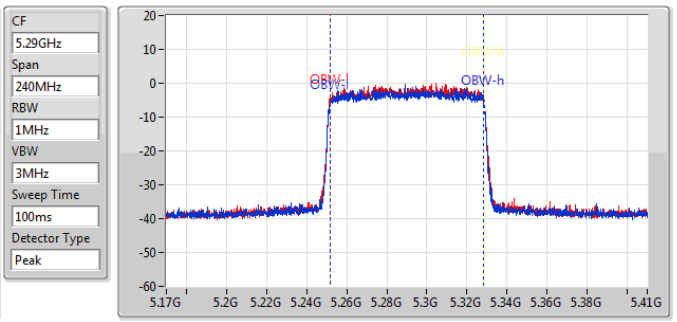


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.576M	5.169344G	5.25092G	77.241M	5.171379G	5.248621G	Inf	1
81.84M	5.168816G	5.250656G	77.001M	5.171499G	5.248501G	Inf	2

5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5290MHz

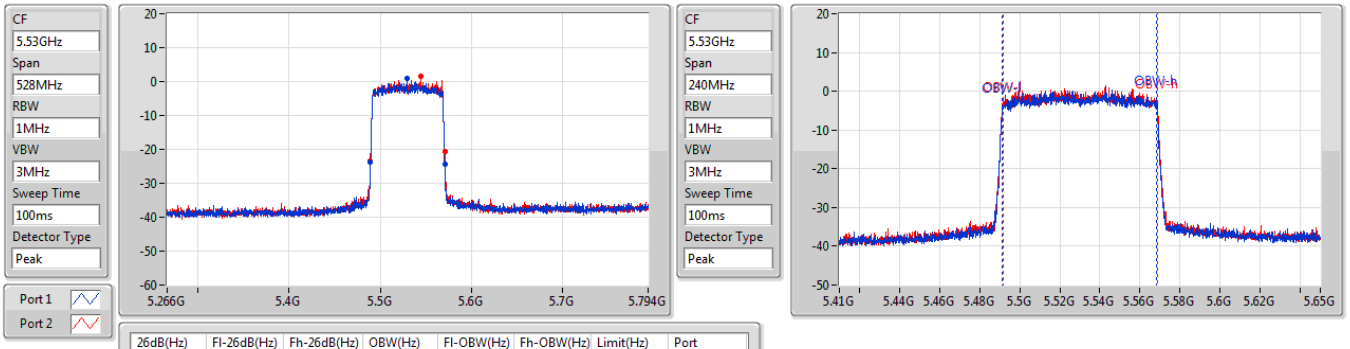




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.24908G	5.33092G	77.001M	5.251499G	5.328501G	Inf	1
81.576M	5.249344G	5.33092G	77.001M	5.251499G	5.328501G	Inf	2

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

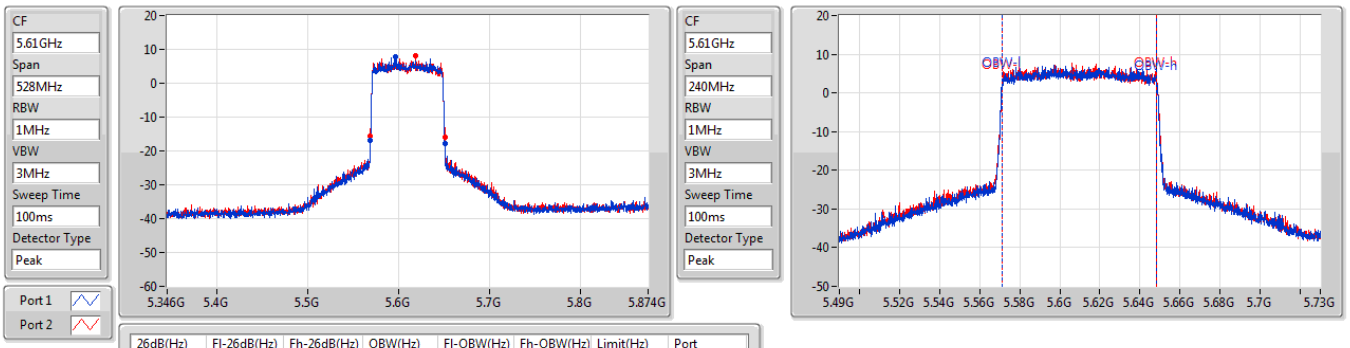
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.576M	5.489344G	5.57092G	77.121M	5.491379G	5.568501G	Inf	1
81.576M	5.48908G	5.570656G	77.121M	5.491499G	5.568621G	Inf	2

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

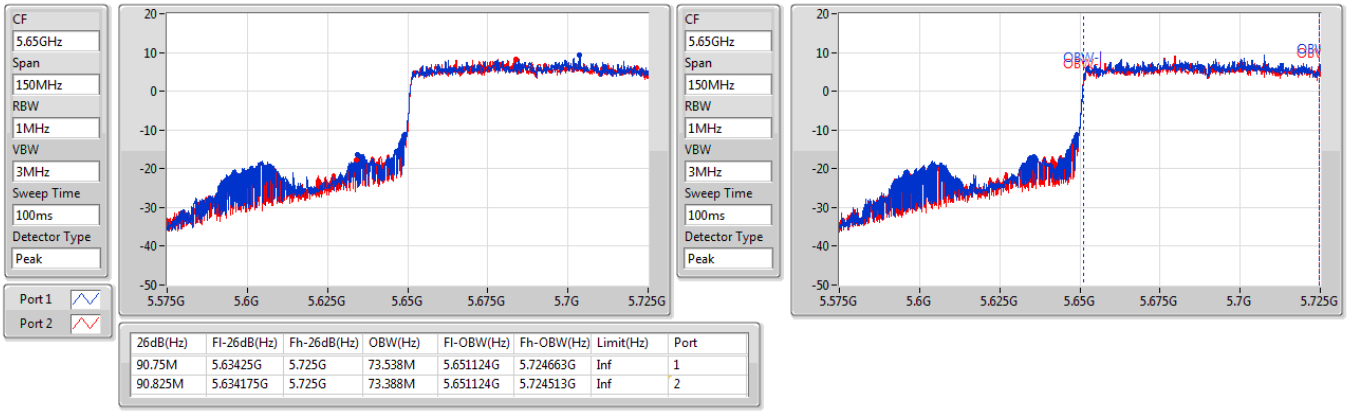
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.576M	5.569344G	5.65092G	77.121M	5.571379G	5.648501G	Inf	1
81.84M	5.56908G	5.65092G	77.241M	5.571259G	5.648501G	Inf	2

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

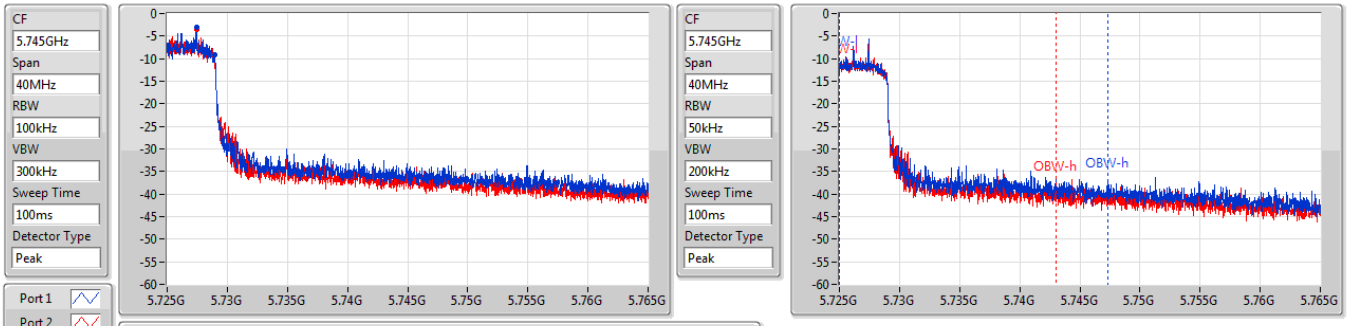
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.75M	5.63425G	5.725G	73.538M	5.651124G	5.724663G	Inf	1
90.825M	5.634175G	5.725G	73.388M	5.651124G	5.724513G	Inf	2

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

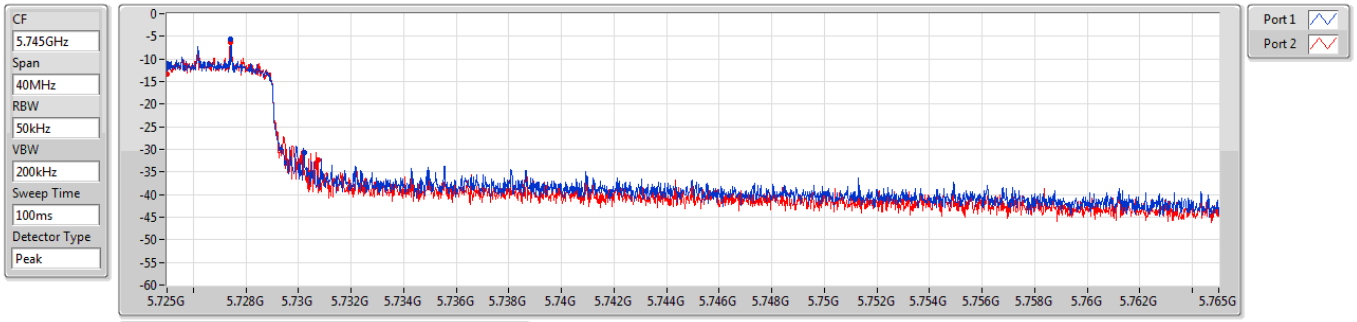
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.98M	5.725G	5.72898G	22.289M	5.72501G	5.747299G	500k	1
3.86M	5.725G	5.72886G	17.951M	5.72503G	5.742981G	500k	2

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

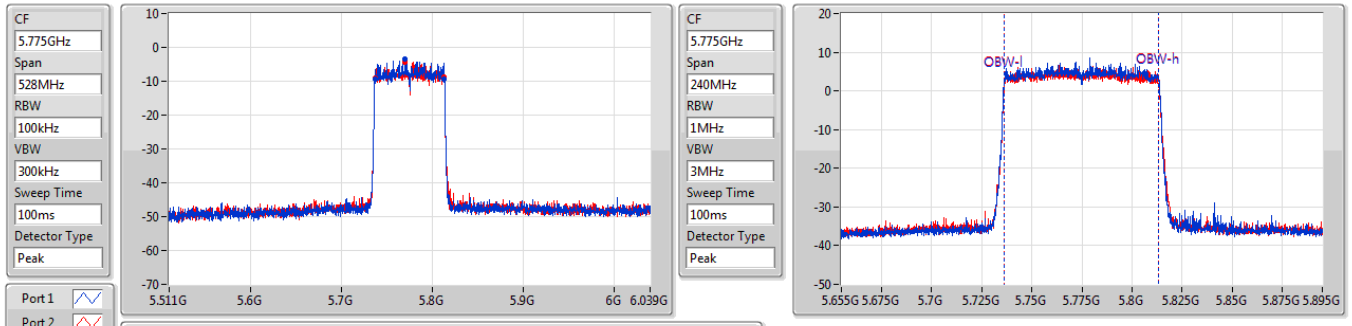
5690MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.22M	5.725G	5.73022G	Inf	1
5.74M	5.725G	5.73074G	Inf	2

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

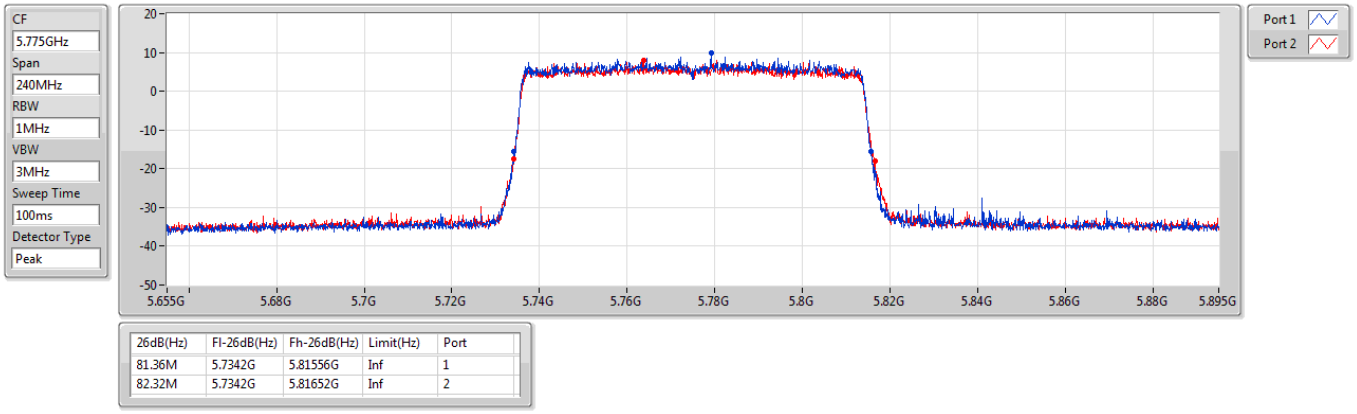
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.296M	5.736984G	5.81328G	77.121M	5.736379G	5.813501G	500k	1
76.56M	5.73672G	5.81328G	77.121M	5.736379G	5.813501G	500k	2

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5775MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
81.36M	5.7342G	5.81556G	Inf	1
82.32M	5.7342G	5.81652G	Inf	2