FCC Test Report

FCC ID	:	**I8803935**
Equipment	:	**802.11be (WiFi 7) Triple-Radio Unified Pro Access Point**
Model No.	:	**WBE660S**
Brand Name	:	**ZYXEL**
Applicant	:	**Zyxel Communications Corporation**
Address	:	**No.2 Industry East RD. IX, Hsinchu Science Park, Hsinchu 30075, Taiwan, R.O.C**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jul. 17, 2023**
Tested Date	:	**Aug. 08 ~ Aug. 31, 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**

Table of Contents

Release Record

Report No.	Version	Description	Issued Date
FR371702AN	Rev. 01	Initial issue	Sep. 22, 2023

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 16.226MHz 43.44 (Margin -6.56dB) - AV	Pass
15.407(b) 15.209	Unwanted Emissions	[dBuV/m at 3m]: 5650.00MHz 68.09 (Margin -0.11dB) - PK	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: 28.06 5250~5350MHz: 21.94 5470~5725MHz: 22.14 5725~5850MHz: 27.83 ***Beamforming mode*** 5150~5250MHz: 22.04 5250~5350MHz: 15.92 5470~5725MHz: 16.12 5725~5850MHz: 21.81	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 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]	4	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]	4	MCS 0-31
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]	4	MCS 0-31
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]	4	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]	4	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]	4	MCS 0-9
5250-5350 5500-5700	ac (VHT160)	5250 5570	50 [1] 114 [1]	4	MCS 0-11
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]	4	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]	4	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]	4	MCS 0-11
5250-5350 5500-5700	ax (HE160)	5250 5570	50 [1] 114 [1]	4	MCS 0-11

5150-5250 5250-5350 5470-5725 5725-5850	be (EHT20)	5180-5240 5260-5320 5500-5720 5745-5825	36-48 [4] 52-64 [4] 100-144 [12] 149-165 [5]	4	MCS 0-13
5150-5250 5250-5350 5470-5725 5725-5850	be (EHT40)	5190-5230 5270-5310 5510-5710 5755-5795	38-46 [2] 54-62 [2] 102-142 [6] 151-159 [2]	4	MCS 0-13
5150-5250 5250-5350 5470-5725 5725-5850	be (EHT80)	5210 5290 5530~5690 5775	42 [1] 58 [1] 106-138 [3] 155 [1]	4	MCS 0-13
5250-5350 5500-5700	be (EHT160)	5250 5570	50 [1] 114 [1]	4	MCS 0-13
5500-5700	be (EHT240)	5610	122 [1]	4	MCS 0-13
Note 1: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM and 4096QAM modulation. Note 2: TPC function is supported. Note 3: 802.11n/ac/ax/be supports beamforming function.					

1.1.2 Antenna Details

Brand	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)				
				2400~2483.5	5150~5250	5250~5350	5470~5725	5725~5850
M.gear	D047	Antenna 1	PIFA	0.82	--	--	--	--
M.gear	D047	Antenna 2	PIFA	4.34	--	--	--	--
M.gear	D047	Antenna 3	PIFA	2.58	--	--	--	--
M.gear	D047	Antenna 4	PIFA	1.61	--	--	--	--
M.gear	D047	Antenna 5	PIFA	--	7.92	8	7.57	6.63
M.gear	D047	Antenna 6	PIFA	--	5.7	6.51	6.67	7.73
M.gear	D047	Antenna 7	PIFA	--	7.11	8.12	8.25	9.18
M.gear	D047	Antenna 8	PIFA	--	6.01	6.94	6.47	7.31
M.gear	D047	Antenna 9	PIFA	--	8.02	7.45	6.82	6.44
M.gear	D047	Antenna 10	PIFA	--	8.13	8.14	8.2	7.74

Note: There are 2 antenna configurations for 5GHz
Configuration 1: Antenna 5/6/7/9
Configuration 2: Antenna 5/6/8/10

1.1.3 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	15Vdc from adapter 56Vdc from PoE injector

Note: The above power supplies are not bundled in market.

1.1.4 Accessories

N/A

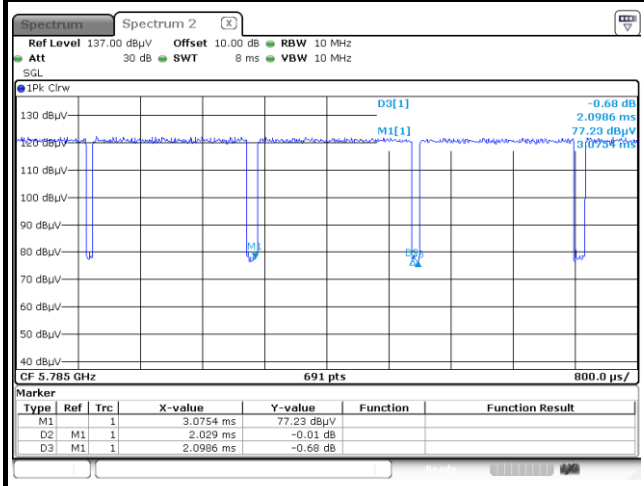
1.1.5 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20 / be EHT20		802.11n HT40 / ac VHT40 / ax HE40 / be EHT40	
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 / be EHT80**	
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	**ac VHT160 / ax HE160 / be EHT160**	
149	5745	50	5250
153	5765	114	5570
157	5785	**be EHT240**	
161	5805	122	5610
165	5825	---	---

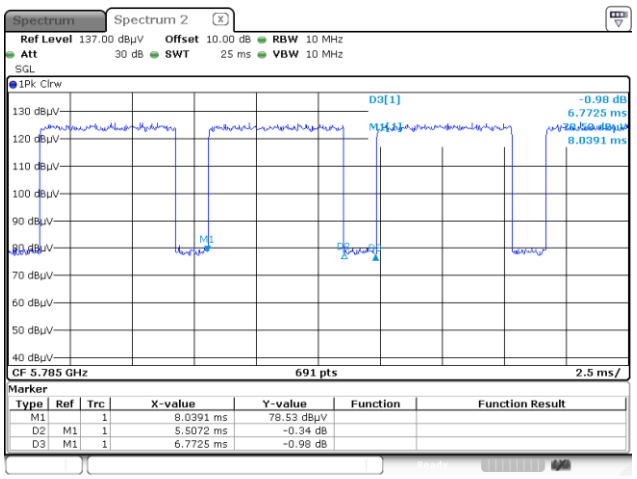
1.1.6 Test Tool and Duty Cycle

Test Tool	QSPR, version: 5.0-00202		
Duty Cycle and Duty Factor	**Mode**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	96.68%	0.15
	be EHT20	81.32%	0.90
	be EHT40	83.01%	0.81
	be EHT80	81.95%	0.86
	be EHT160	82.05%	0.86
	be EHT240	80.89%	0.92

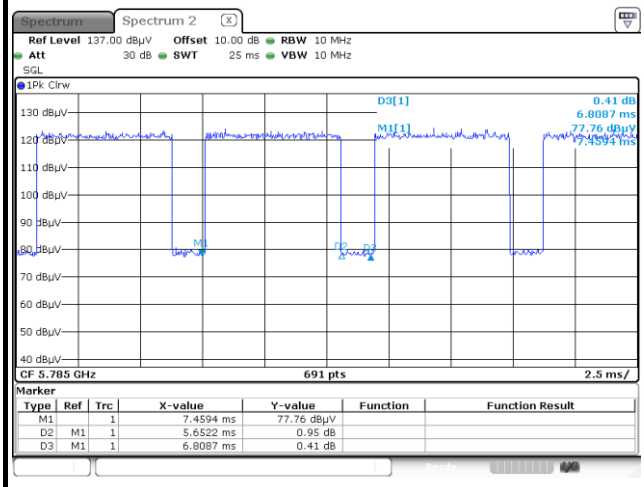
11a



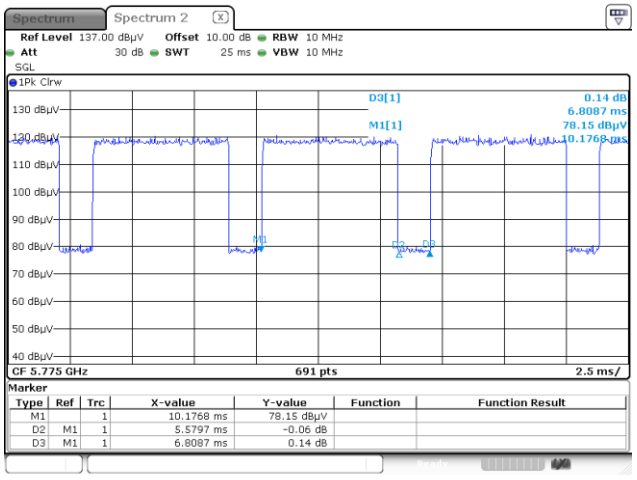
be EHT20

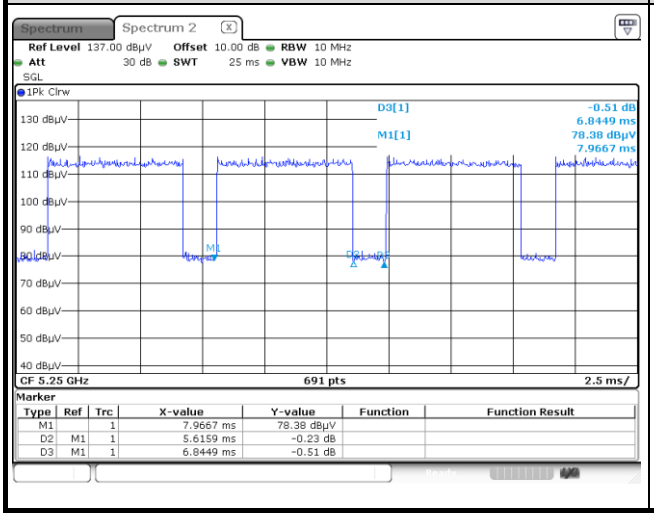
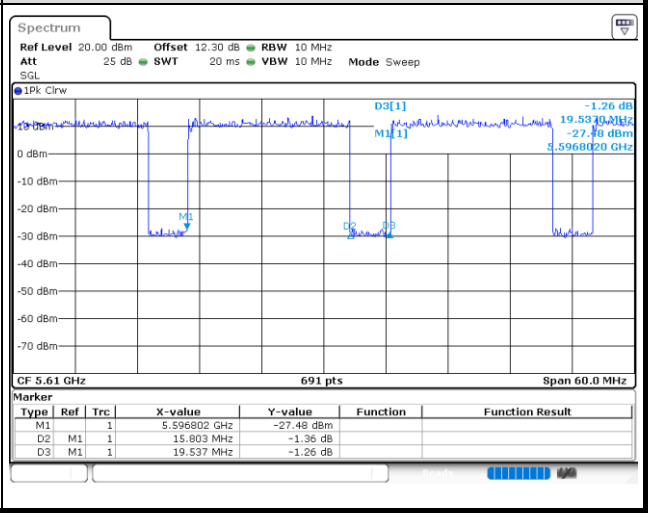


be EHT40



be EHT80



be EHT160	be EHT240
	

1.1.7 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index
11a	5180	16.5
11a	5200	16.5
11a	5240	16.5
11a	5260	10
11a	5300	10
11a	5320	10
11a	5500	10
11a	5580	10
11a	5700	10.5
11a	5720	10.5
11a	5745	20.5
11a	5785	20.5
11a	5825	21
be EHT20	5180	20.5
be EHT20	5200	22
be EHT20	5240	21.5
be EHT20	5260	15.5
be EHT20	5300	15.5
be EHT20	5320	15.5
be EHT20	5500	16
be EHT20	5580	16
be EHT20	5700	16.5

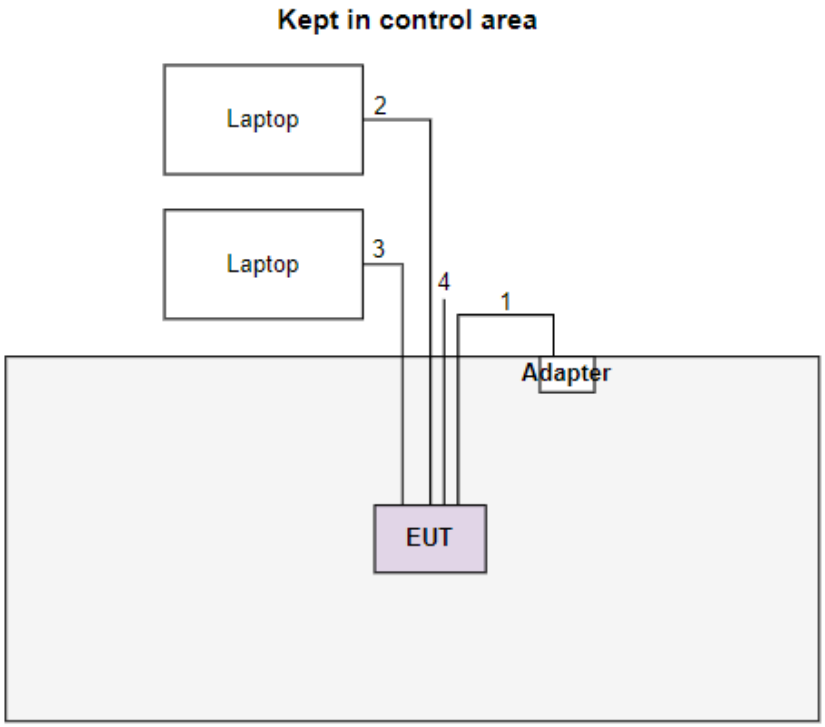
be EHT20	5720	16.5
be EHT20	5745	21.5
be EHT20	5785	21.5
be EHT20	5825	22
be EHT40	5190	18.5
be EHT40	5230	22
be EHT40	5270	15.5
be EHT40	5310	15.5
be EHT40	5510	16
be EHT40	5590	16
be EHT40	5670	16.5
be EHT40	5710	17.5
be EHT40	5755	21.5
be EHT40	5795	22
be EHT80	5210	18
be EHT80	5290	16
be EHT80	5530	16
be EHT80	5610	16
be EHT80	5690	17
be EHT80	5775	21
be EHT160	5250	17.5
be EHT160	5570	15.5
be EHT240	5610	10.5

1.2 Local Support Equipment List

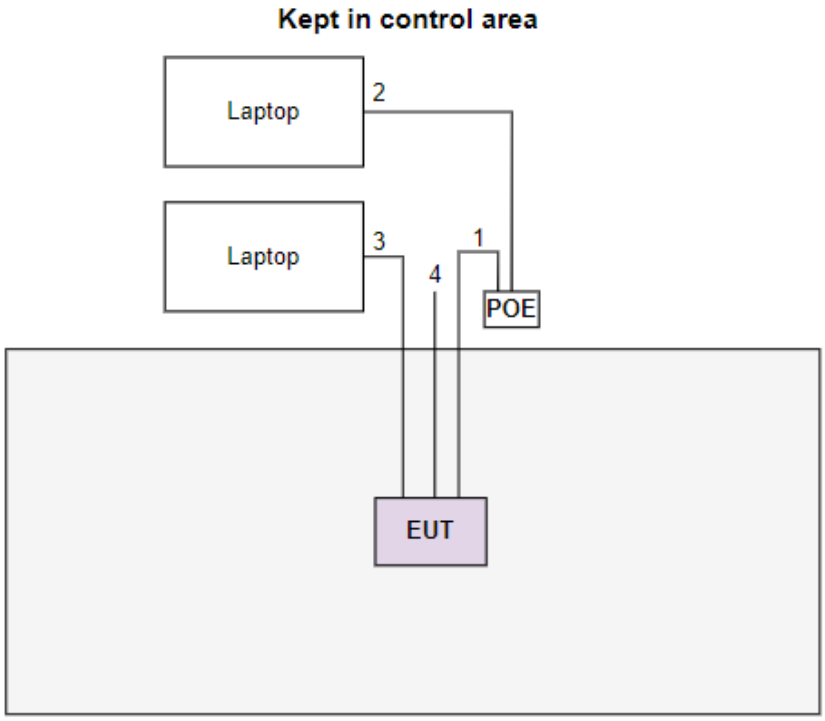
Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Laptop	DELL	Latitude 5400	DoC	---
2	Laptop	DELL	Latitude E5470	DoC	---
3	PoE injector	ZYXEL	PoE12-60W	---	Provided by applicant. Remarks: I/P: 100-240V~50-60Hz 2.0A O/P: 56.0V⎓1.161A, 65.1W
4	Adapter	DEEVAN	DSA-45PDH	---	Provided by applicant. Remarks: I/P: 100-240V~50/60Hz 1.5A O/P: +15.0V⎓3.0A, 45.0W

1.3 Test Setup Chart

Test Setup Diagram (Adapter mode)



No.	Signal cable / Length (m)
1	USB, 0.95m shielded.
2-3	RJ45, 10m non-shielded.
4	Console cable, 0.3m non-shielded.

Test Setup Diagram (POE mode)


No.	Signal cable / Length (m)
1	RJ45, 10m non-shielded.
2	RJ45, 1.3m non-shielded.
3	RJ45, 10m non-shielded.
4	Console cable, 0.3m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Aug. 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	101579	May 09, 2023	May 08, 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	01	Jun. 14, 2023	Jun. 13, 2024
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber3 / (03CH03-WS)				
Tested Date	Aug. 08 ~ Aug. 31, 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	101499	Mar. 16, 2023	Mar. 15, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 01, 2022	Oct. 31, 2023
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-685	Jul. 04, 2023	Jul. 03, 2024
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1206	Dec. 15, 2022	Dec. 14, 2023
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 27, 2022	Oct. 26, 2023
Preamplifier	EMC	EMC02325	980187	Jul. 10, 2023	Jul. 09, 2024
Preamplifier	EMC	EMC184045SE	980897	Aug. 01, 2023	Jul. 31, 2024
Preamplifier	EMC	EMC184045SE	980903	Jul. 17, 2023	Jul. 16, 2024
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 04, 2022	Oct. 03, 2023
LF cable-0.8M	EMC	EMC8D-NM-NM-800	EMC8D-NM-NM-800 -001	Sep. 23, 2022	Sep. 22, 2023
LF cable-3M	EMC	EMC8D-NM-NM-3000	131103	Sep. 23, 2022	Sep. 22, 2023
LF cable-13M	EMC	EMC8D-NM-NM-13000	131104	Sep. 23, 2022	Sep. 22, 2023
RF cable-3M	HUBER+SUHNER	SUCOFLEX104	MY22620/4	Sep. 23, 2022	Sep. 22, 2023
RF cable-8M	EMC	EMC104-SM-SM-8000	181107	Sep. 23, 2022	Sep. 22, 2023
Attenuator	Pasternack	PE7005-10	10-3	Oct. 14, 2022	Oct. 13, 2023
HIGHPASS FILTER	WI	WHK3.1-18G-10SS	43	Sep. 28, 2022	Sep. 27, 2023
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Aug. 11 ~ Aug. 31, 2023				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101910	Apr. 14, 2023	Apr. 13, 2024
Power Meter	Anritsu	ML2495A	1241002	Nov. 23, 2022	Nov. 22, 2023
Power Sensor	Anritsu	MA2411B	1207366	Nov. 23, 2022	Nov. 22, 2023
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	Jun. 21, 2023	Jun. 20, 2024
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 09, 2022	Dec. 08, 2023
Attenuator	Pasternack	PE7005-10	10-2	Oct. 06, 2022	Oct. 05, 2023
Measurement Software	Sporton	SENSE-15407_NII	V5.11	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	±3.96 dB
Unwanted Emission > 1GHz	±4.51 dB
Time	±0.1%
Temperature	±0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-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.)
Test Site	03CH03-WS
Address of Test Site	No.14-1, Lane 19, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW0009
- FCC site registration No.: 207696
- ISED#: 10807C
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Non-beamforming mode

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
AC Power Line Conducted Emissions	be EHT20	5200	MCS 0	1, 2
Unwanted Emissions ≤1GHz	be EHT20	5200	MCS 0	1, 2
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth Power Spectral Density	11a	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	1
	be EHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	MCS 0	
	be EHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	be EHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
	be EHT160	5250 / 5570	MCS 0	
	be EHT240	5610	MCS 0	
Frequency Stability	Un-modulation	5300	---	1
Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
AC Power Line Conducted Emissions	be EHT40	5795	MCS 0	1, 2
Unwanted Emissions ≤1GHz	be EHT40	5795	MCS 0	1, 2
Unwanted Emissions >1GHz Conducted Output Power Emission Bandwidth 6dB bandwidth Power Spectral Density	11a	5745 / 5785 / 5825	6 Mbps	1
	be EHT20	5745 / 5785 / 5825	MCS 0	
	be EHT40	5755 / 5795	MCS 0	
	be EHT80	5775	MCS 0	
Frequency Stability	Un-modulation	5785	---	1

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** results were found as the worst case and were shown in this report.
2. The EUT had been tested by following test configurations.
   1) Configuration 1: Adapter mode
   2) Configuration 2: POE mode
3. There are 2 antenna configurations as below
   Antenna configuration 1: Antenna 5/6/7/9
   Antenna configuration 2: Antenna 5/6/8/10
   The antenna configuration 2 results were found as the worst case of radiated emisison and were shown in this report.

Beamforming mode

Frequency band 5150~5350 MHz / 5470~5725 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Conducted Output Power	be EHT20	5180 / 5200 / 5240 / 5260 / 5300 5320 / 5500 / 5580 / 5700 / 5720	6 Mbps	1
	be EHT40	5190 / 5230/ 5270 / 5310 / 5510 5590 / 5670 / 5710	MCS 0	
	be EHT80	5210 / 5290 / 5530 / 5610 / 5690	MCS 0	
	be EHT160	5250 / 5570	MCS 0	
	be EHT240	5610	MCS 0	
Frequency band 5725-5850 MHz				
Test item	**Modulation Mode**	**Test Frequency (MHz)**	**Data Rate**	**Test Configuration**
Conducted Output Power	be EHT20	5745 / 5785 / 5825	6 Mbps	1
	be EHT40	5755 / 5795	MCS 0	
	be EHT80	5775	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** results were found as the worst case and were shown in this report.
2. The EUT had been tested by following test configurations.
   1) Configuration 1: Adapter mode
   2) Configuration 2: POE mode
3. Beamforming mode is calculated not measured. The calculation method is conducted power of non-beamforming – 6.02dB.

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.

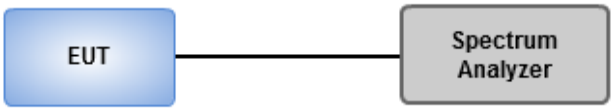
Occupied Bandwidth

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	24-25°C / 64-66%	**Tested By**	Roger Lu

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

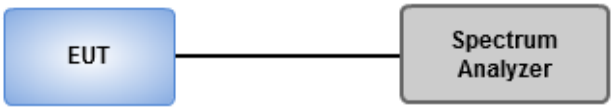
Method PM-G (Measurement using a gated RF average power meter)

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	24-25°C / 64-66%	Tested By	Roger Lu

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

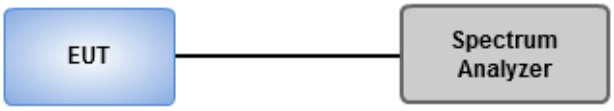
Duty cycle ≥ 98 %

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	24-25°C / 64-66%	Tested By	Roger Lu

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

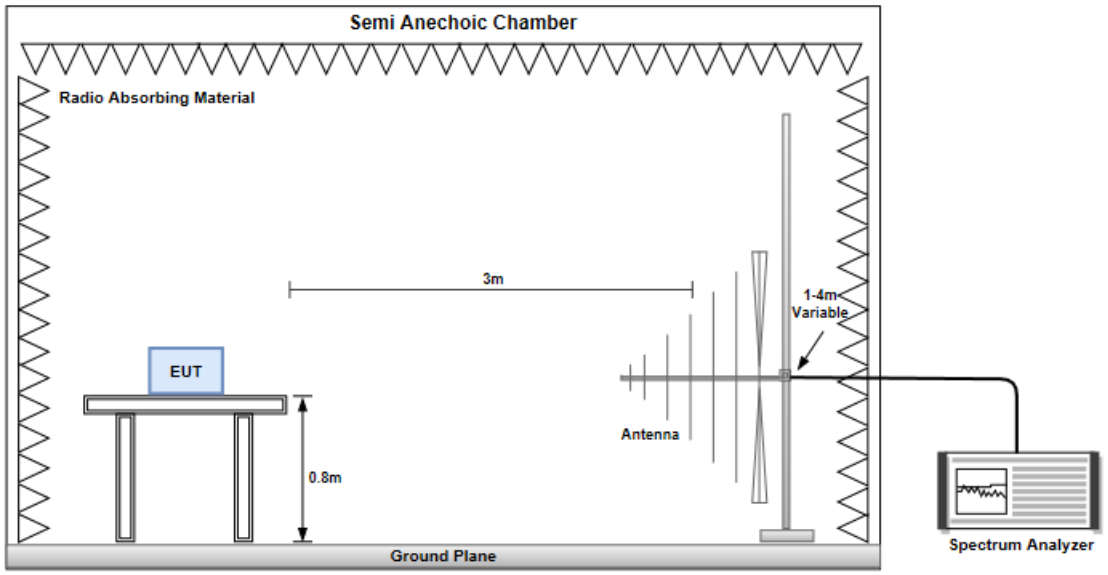
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission 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:

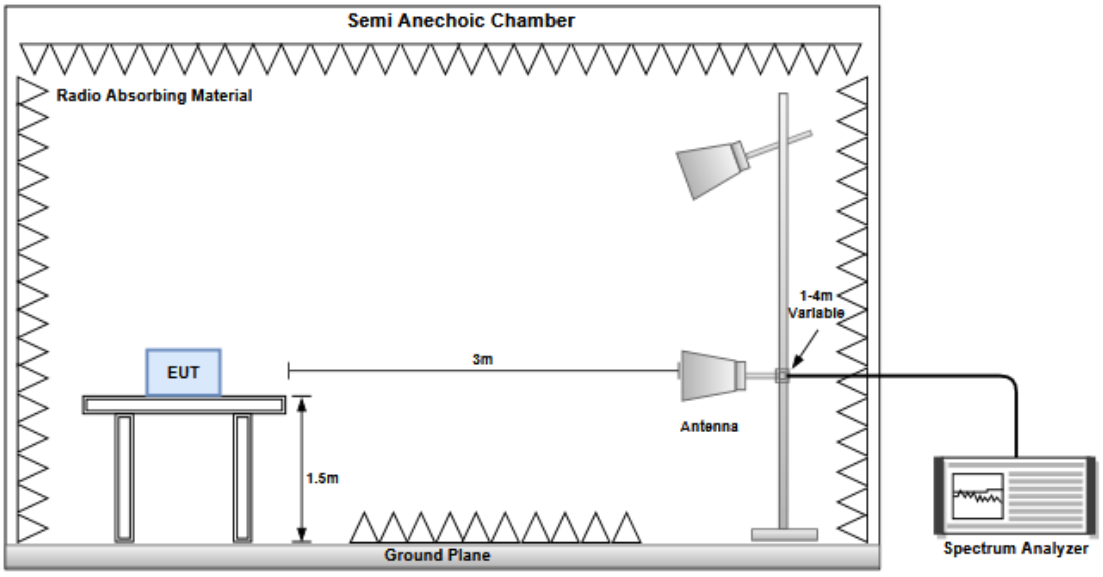
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above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

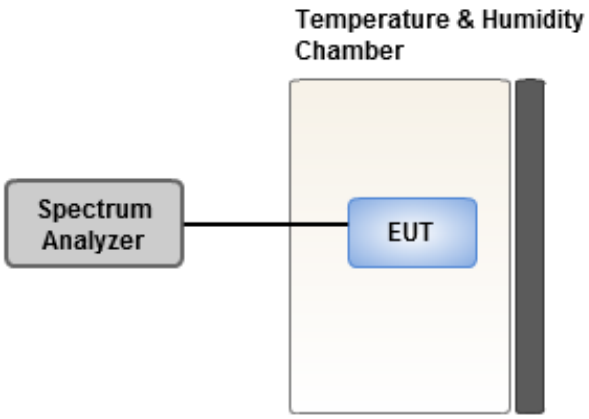
3.5.1 Limit of Frequency Stability

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	24-25°C / 64-66%	Tested By	Roger Lu

Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

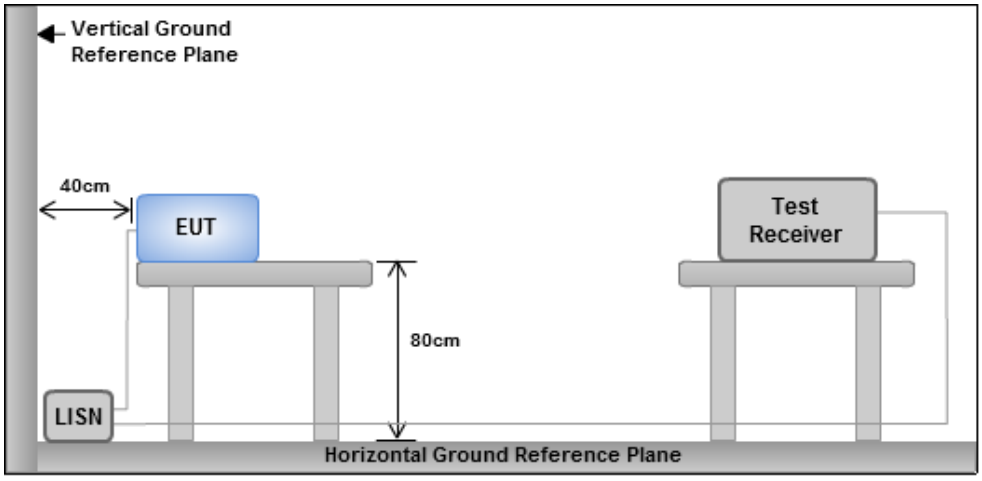
3.6.1 Limit of AC Power Line Conducted Emissions

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)_4TX	22.704M	16.888M	16M9D1D	21.978M	16.808M
802.11be EHT20_Nss4,(MCS0)_4TX	23.232M	19.13M	19M1D1D	21.846M	19.07M
802.11be EHT40_Nss4,(MCS0)_4TX	44.484M	38.141M	38M1D1D	43.164M	38.081M
802.11be EHT80_Nss4,(MCS0)_4TX	90.024M	77.961M	78M0D1D	85.8M	77.721M
802.11be EHT160_Nss4,(MCS0)_4TX	85.2M	77.801M	77M8D1D	83.76M	77.721M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.506M	16.861M	16M9D1D	22.11M	16.808M
802.11be EHT20_Nss4,(MCS0)_4TX	24.156M	19.13M	19M1D1D	21.978M	19.07M
802.11be EHT40_Nss4,(MCS0)_4TX	44.484M	38.141M	38M1D1D	43.296M	38.021M
802.11be EHT80_Nss4,(MCS0)_4TX	89.232M	77.841M	77M8D1D	87.384M	77.841M
802.11be EHT160_Nss4,(MCS0)_4TX	85.12M	77.881M	77M9D1D	84.32M	77.721M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.44M	16.861M	16M9D1D	15.945M	13.493M
802.11be EHT20_Nss4,(MCS0)_4TX	23.232M	19.16M	19M2D1D	15.99M	14.528M
802.11be EHT40_Nss4,(MCS0)_4TX	45.54M	38.141M	38M1D1D	36.575M	33.933M
802.11be EHT80_Nss4,(MCS0)_4TX	90.288M	77.961M	78M0D1D	79.65M	73.538M
802.11be EHT160_Nss4,(MCS0)_4TX	173.184M	157.121M	157MD1D	170.016M	156.642M
802.11be EHT240_Nss4,(MCS0)_4TX	243.93M	232.299M	232MD1D	241.11M	231.829M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.368M	16.914M	16M9D1D	3.14M	4.358M
802.11be EHT20_Nss4,(MCS0)_4TX	19.14M	19.16M	19M2D1D	4.48M	4.618M
802.11be EHT40_Nss4,(MCS0)_4TX	38.28M	38.261M	38M3D1D	3.98M	4.578M
802.11be EHT80_Nss4,(MCS0)_4TX	78.144M	77.961M	78M0D1D	3.96M	6.617M
802.11be EHT240_Nss4,(MCS0)_4TX	4.11M	28.756M	28M8D1D	4.05M	26.597M

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

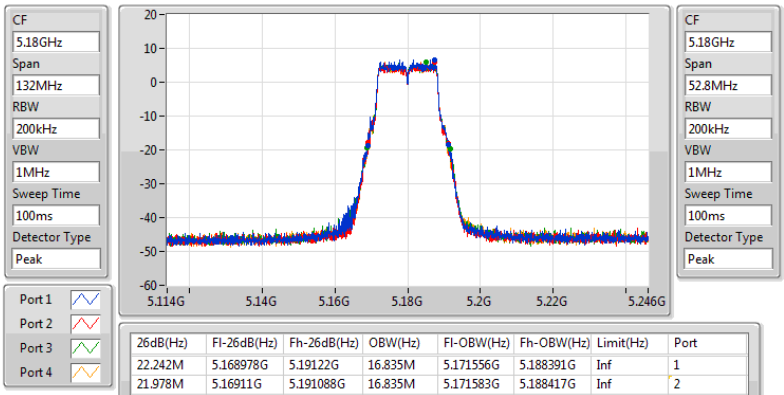
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.242M	16.835M	21.978M	16.835M	22.704M	16.835M	22.308M	16.835M
5200MHz	Pass	Inf	22.374M	16.835M	22.308M	16.808M	22.176M	16.835M	22.374M	16.835M
5240MHz	Pass	Inf	22.308M	16.835M	22.308M	16.835M	22.242M	16.808M	22.308M	16.888M
5260MHz	Pass	Inf	22.176M	16.835M	22.374M	16.861M	22.176M	16.808M	22.44M	16.861M
5300MHz	Pass	Inf	22.11M	16.808M	22.44M	16.861M	22.44M	16.861M	22.242M	16.861M
5320MHz	Pass	Inf	22.308M	16.835M	22.506M	16.861M	22.242M	16.808M	22.44M	16.861M
5500MHz	Pass	Inf	22.308M	16.835M	22.308M	16.808M	22.11M	16.808M	22.308M	16.861M
5580MHz	Pass	Inf	22.11M	16.835M	22.374M	16.808M	22.44M	16.835M	22.308M	16.861M
5700MHz	Pass	Inf	22.308M	16.861M	22.44M	16.835M	22.11M	16.808M	22.176M	16.861M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.14M	13.553M	15.945M	13.523M	16.215M	13.493M	16.185M	13.523M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.438M	3.16M	4.378M	3.14M	4.458M	3.14M	4.358M
5745MHz	Pass	500k	16.368M	16.861M	16.368M	16.835M	16.368M	16.835M	16.368M	16.861M
5785MHz	Pass	500k	16.368M	16.888M	16.368M	16.861M	16.368M	16.808M	16.368M	16.888M
5825MHz	Pass	500k	16.368M	16.914M	16.302M	16.914M	16.368M	16.808M	16.368M	16.888M
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.77M	19.07M	21.846M	19.07M	23.1M	19.1M	23.166M	19.13M
5200MHz	Pass	Inf	22.836M	19.13M	22.44M	19.1M	22.77M	19.13M	23.1M	19.07M
5240MHz	Pass	Inf	22.44M	19.1M	23.232M	19.1M	22.968M	19.07M	22.77M	19.07M
5260MHz	Pass	Inf	22.77M	19.1M	21.978M	19.13M	23.364M	19.1M	22.704M	19.07M
5300MHz	Pass	Inf	22.77M	19.13M	22.176M	19.1M	22.968M	19.07M	23.166M	19.1M
5320MHz	Pass	Inf	22.506M	19.1M	24.156M	19.13M	22.704M	19.1M	23.034M	19.07M
5500MHz	Pass	Inf	23.034M	19.1M	22.506M	19.07M	22.836M	19.1M	23.1M	19.1M
5580MHz	Pass	Inf	22.308M	19.07M	22.44M	19.1M	22.77M	19.1M	22.308M	19.1M
5700MHz	Pass	Inf	22.704M	19.16M	22.374M	19.1M	23.232M	19.1M	22.836M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.29M	14.543M	16.47M	14.528M	15.99M	14.543M	16.29M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.638M	4.58M	4.618M	4.52M	4.658M	4.56M	4.678M
5745MHz	Pass	500k	19.074M	19.13M	19.008M	19.1M	18.876M	19.1M	18.942M	19.13M
5785MHz	Pass	500k	19.008M	19.13M	18.942M	19.13M	19.008M	19.13M	19.008M	19.13M
5825MHz	Pass	500k	19.14M	19.16M	18.942M	19.13M	18.876M	19.13M	19.008M	19.16M
802.11be EHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.088M	38.141M	43.164M	38.081M	43.692M	38.141M	43.56M	38.081M
5230MHz	Pass	Inf	44.484M	38.141M	43.56M	38.141M	43.428M	38.081M	43.692M	38.081M
5270MHz	Pass	Inf	44.484M	38.081M	43.692M	38.021M	43.692M	38.141M	43.296M	38.081M
5310MHz	Pass	Inf	44.088M	38.021M	43.824M	38.021M	44.352M	38.081M	43.56M	38.081M
5510MHz	Pass	Inf	44.484M	38.081M	43.692M	38.081M	44.088M	38.081M	43.56M	38.081M

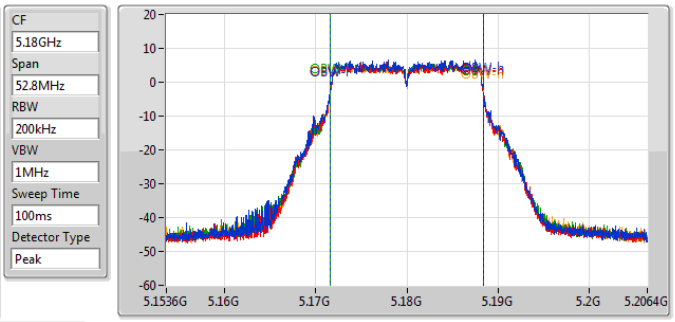
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5590MHz	Pass	Inf	44.352M	38.081M	43.296M	38.141M	43.824M	38.141M	45.54M	38.081M
5670MHz	Pass	Inf	43.956M	38.141M	44.748M	38.081M	43.956M	38.141M	44.616M	38.081M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.96M	33.933M	37.03M	33.968M	37.03M	33.933M	36.575M	33.968M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	4.598M	3.98M	4.638M	4.1M	4.578M	4.12M	4.578M
5755MHz	Pass	500k	38.28M	38.201M	38.28M	38.081M	38.148M	38.201M	38.148M	38.141M
5795MHz	Pass	500k	38.148M	38.201M	38.148M	38.261M	38.148M	38.141M	38.148M	38.201M
802.11be EHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.968M	77.961M	85.8M	77.961M	89.232M	77.721M	90.024M	77.841M
5290MHz	Pass	Inf	88.968M	77.841M	87.384M	77.841M	89.232M	77.841M	87.648M	77.841M
5530MHz	Pass	Inf	89.232M	77.841M	87.648M	77.961M	89.76M	77.841M	87.648M	77.961M
5610MHz	Pass	Inf	88.704M	77.721M	90.288M	77.721M	88.968M	77.721M	88.704M	77.841M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	79.8M	73.688M	79.65M	73.538M	80.4M	73.538M	79.65M	73.613M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	6.777M	4.06M	6.677M	4.06M	6.617M	3.96M	6.697M
5775MHz	Pass	500k	77.88M	77.841M	78.144M	77.721M	77.88M	77.961M	77.352M	77.721M
802.11be EHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	85.2M	77.801M	83.84M	77.721M	83.76M	77.721M	83.84M	77.721M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	85.12M	77.881M	84.48M	77.721M	84.48M	77.801M	84.32M	77.721M
5570MHz	Pass	Inf	173.184M	157.121M	172.656M	156.642M	170.544M	156.882M	170.016M	157.121M
802.11be EHT240_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5610MHz Straddle 5.47-5.725GHz	Pass	Inf	243.93M	232.064M	241.11M	231.829M	241.11M	232.064M	243.225M	232.299M
5610MHz Straddle 5.725-5.85GHz	Pass	500k	4.11M	26.987M	4.05M	28.636M	4.08M	28.756M	4.08M	26.597M

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)_4TX **EBW**

5180MHz

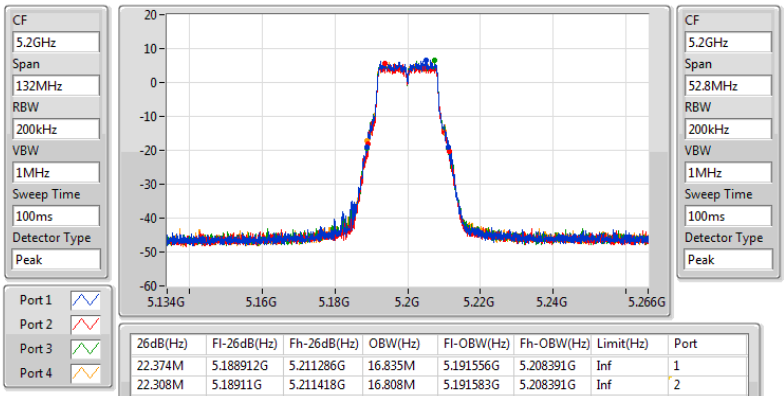


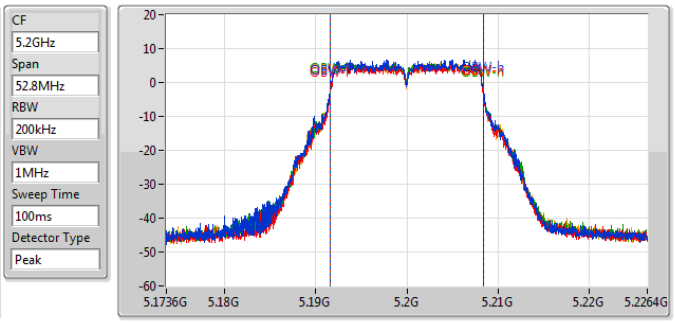


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.242M	5.168978G	5.19122G	16.835M	5.171556G	5.188391G	Inf	1
21.978M	5.16911G	5.191088G	16.835M	5.171583G	5.188417G	Inf	2
22.704M	5.168912G	5.191616G	16.835M	5.171583G	5.188417G	Inf	3
22.308M	5.168978G	5.191286G	16.835M	5.171583G	5.188417G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5200MHz

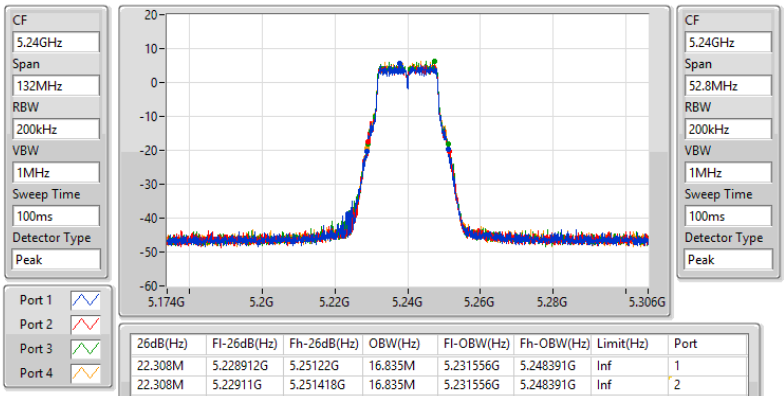


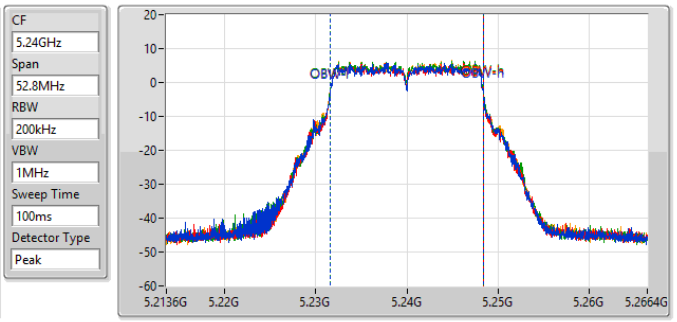


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.374M	5.188912G	5.211286G	16.835M	5.191556G	5.208391G	Inf	1
22.308M	5.18911G	5.211418G	16.808M	5.191583G	5.208391G	Inf	2
22.176M	5.188912G	5.211088G	16.835M	5.191583G	5.208417G	Inf	3
22.374M	5.188846G	5.21122G	16.835M	5.191583G	5.208417G	Inf	4

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5240MHz

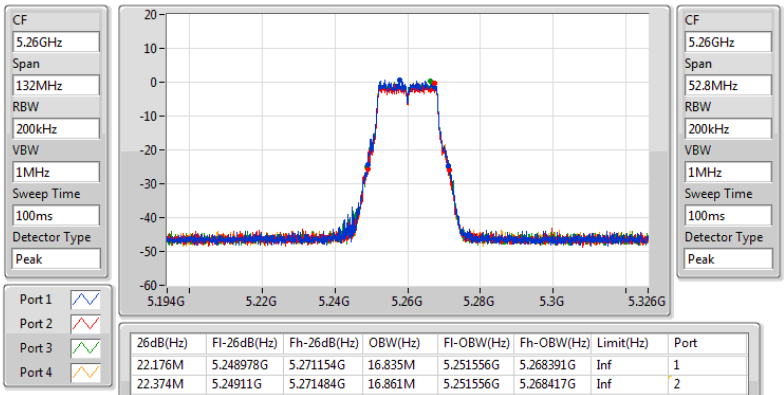


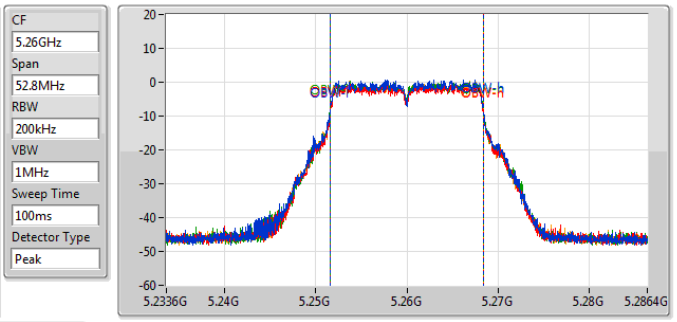


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.308M	5.228912G	5.25122G	16.835M	5.231556G	5.248391G	Inf	1
22.308M	5.22911G	5.251418G	16.835M	5.231556G	5.248391G	Inf	2
22.242M	5.229044G	5.251286G	16.808M	5.231583G	5.248391G	Inf	3
22.308M	5.228846G	5.251154G	16.888M	5.23153G	5.248417G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5260MHz

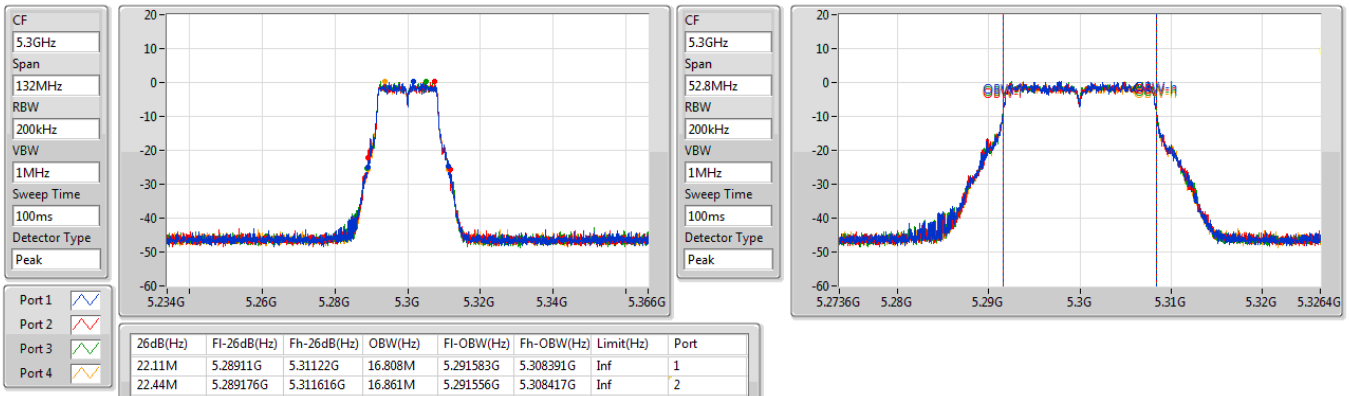




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.176M	5.248978G	5.271154G	16.835M	5.251556G	5.268391G	Inf	1
22.374M	5.24911G	5.271484G	16.861M	5.251556G	5.268417G	Inf	2
22.176M	5.248912G	5.271088G	16.808M	5.251583G	5.268391G	Inf	3
22.44M	5.24878G	5.27122G	16.861M	5.251556G	5.268417G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

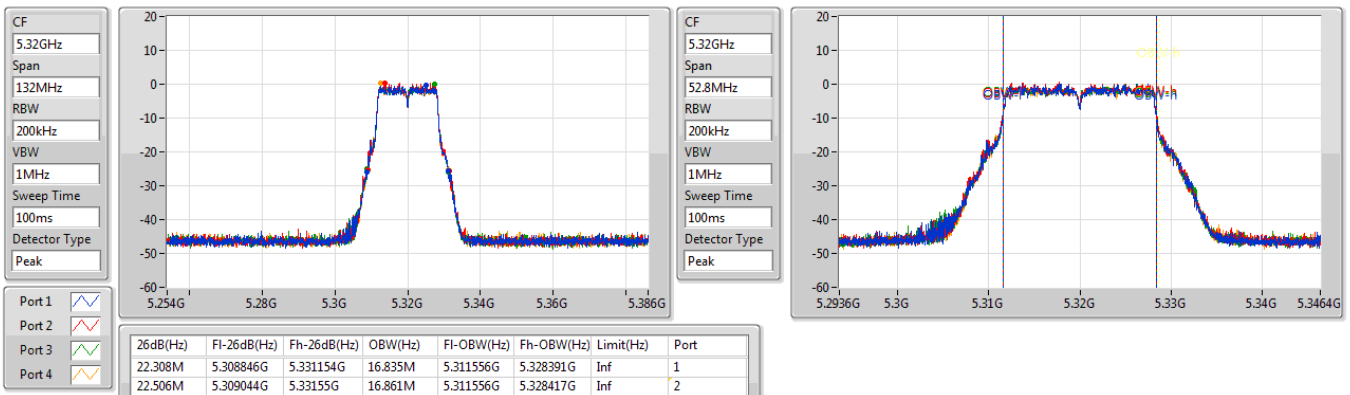
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.11M	5.28911G	5.31122G	16.808M	5.291583G	5.308391G	Inf	1
22.44M	5.289176G	5.311616G	16.861M	5.291556G	5.308417G	Inf	2
22.44M	5.288912G	5.311352G	16.861M	5.291556G	5.308417G	Inf	3
22.242M	5.288978G	5.31122G	16.861M	5.291556G	5.308417G	Inf	4

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

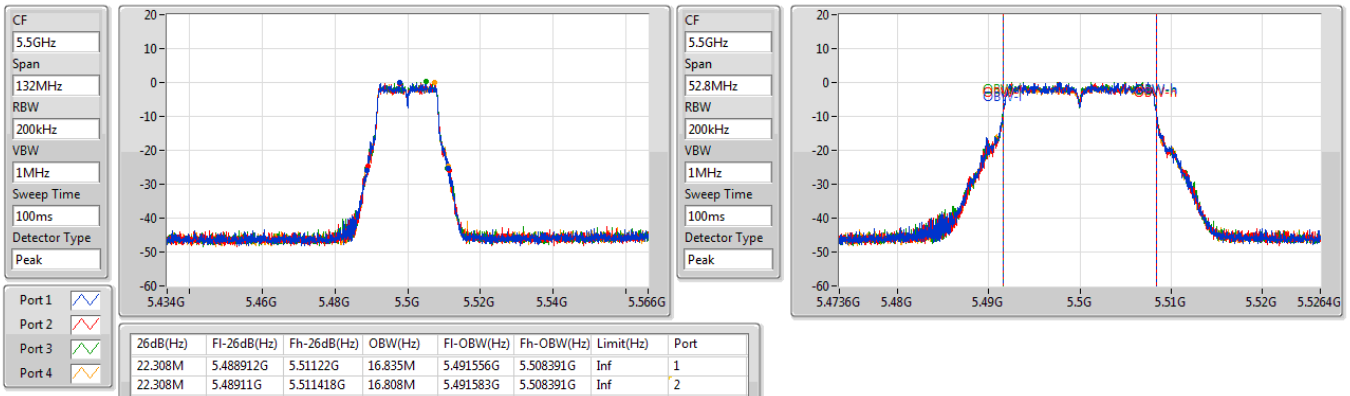
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.308M	5.308846G	5.331154G	16.835M	5.311556G	5.328391G	Inf	1
22.506M	5.309044G	5.33155G	16.861M	5.311556G	5.328417G	Inf	2
22.242M	5.308912G	5.331154G	16.808M	5.311583G	5.328391G	Inf	3
22.44M	5.30878G	5.33122G	16.861M	5.31153G	5.328391G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

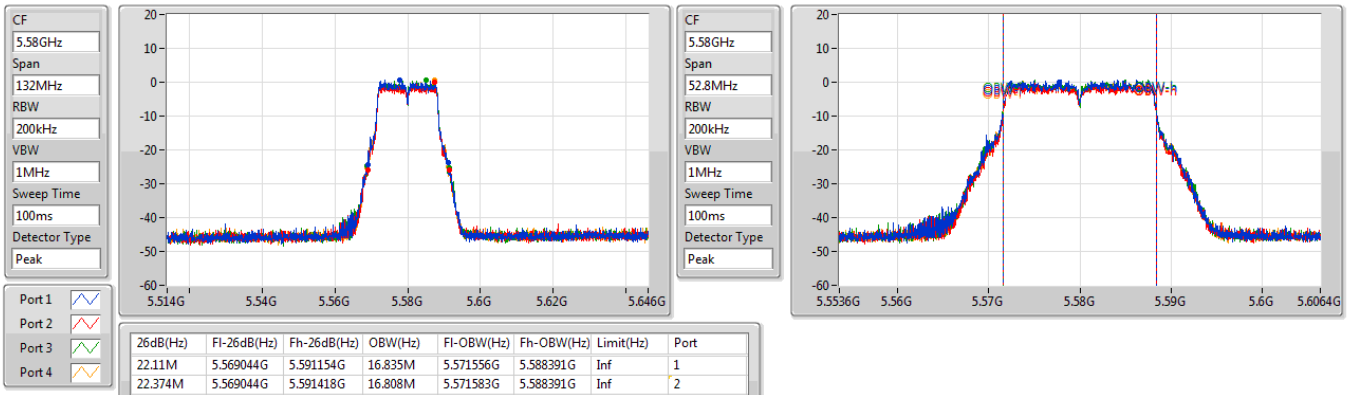
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.308M	5.488912G	5.51122G	16.835M	5.491556G	5.508391G	Inf	1
22.308M	5.48911G	5.511418G	16.808M	5.491583G	5.508391G	Inf	2
22.11M	5.488912G	5.511022G	16.808M	5.491583G	5.508391G	Inf	3
22.308M	5.488846G	5.511154G	16.861M	5.491556G	5.508417G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

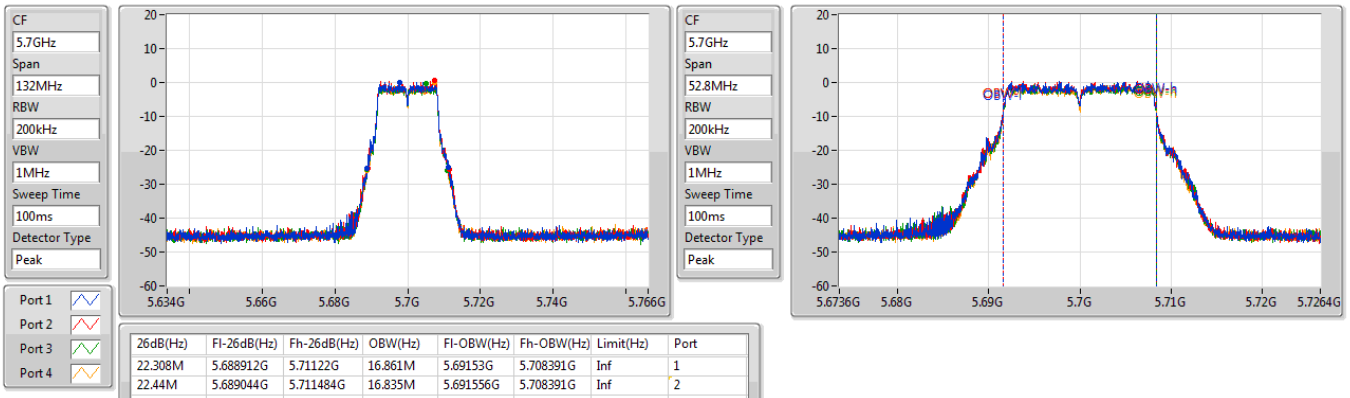
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.11M	5.569044G	5.591154G	16.835M	5.571556G	5.588391G	Inf	1
22.374M	5.569044G	5.591418G	16.808M	5.571583G	5.588391G	Inf	2
22.44M	5.568912G	5.591352G	16.835M	5.571556G	5.588391G	Inf	3
22.308M	5.568846G	5.591154G	16.861M	5.571556G	5.588417G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

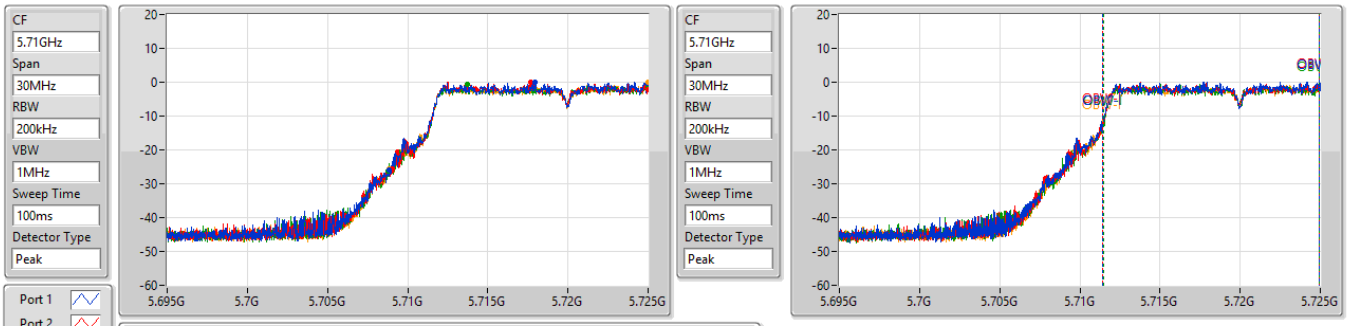
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.308M	5.688912G	5.71122G	16.861M	5.69153G	5.708391G	Inf	1
22.44M	5.689044G	5.711484G	16.835M	5.691556G	5.708391G	Inf	2
22.11M	5.688912G	5.711022G	16.808M	5.691583G	5.708391G	Inf	3
22.176M	5.688912G	5.711088G	16.861M	5.691556G	5.708417G	Inf	4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

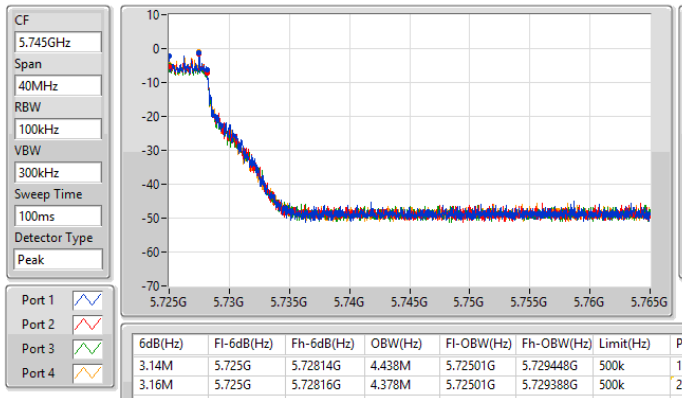
5720MHz Straddle 5.47-5.725GHz

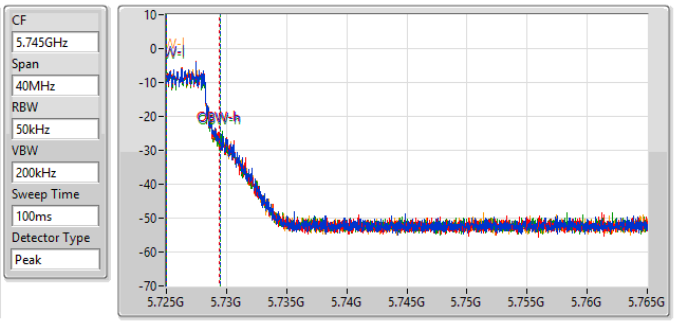


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.14M	5.70886G	5.725G	13.553M	5.711394G	5.724948G	Inf	1
15.945M	5.709055G	5.725G	13.523M	5.711424G	5.724948G	Inf	2
16.215M	5.708785G	5.725G	13.493M	5.711469G	5.724963G	Inf	3
16.185M	5.708815G	5.725G	13.523M	5.711439G	5.724963G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

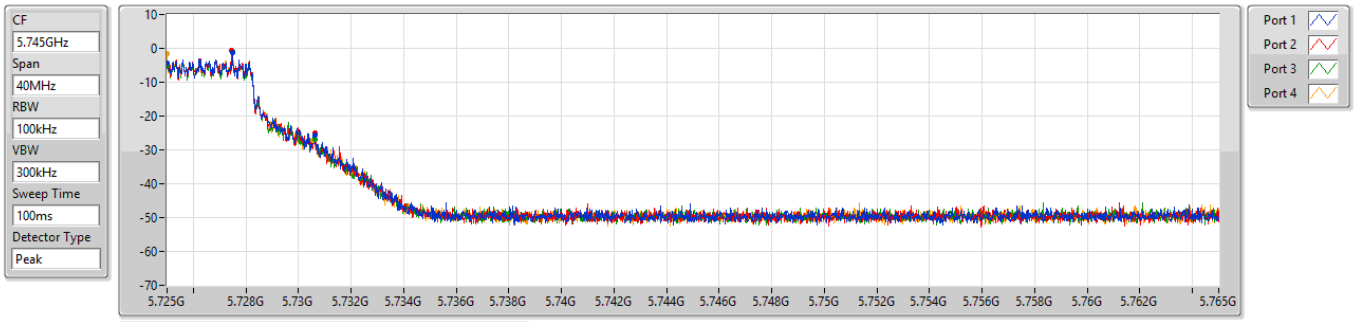




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	4.438M	5.72501G	5.729448G	500k	1
3.16M	5.725G	5.72816G	4.378M	5.72501G	5.729388G	500k	2
3.14M	5.725G	5.72814G	4.458M	5.72501G	5.729468G	500k	3
3.14M	5.725G	5.72814G	4.358M	5.72501G	5.729368G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

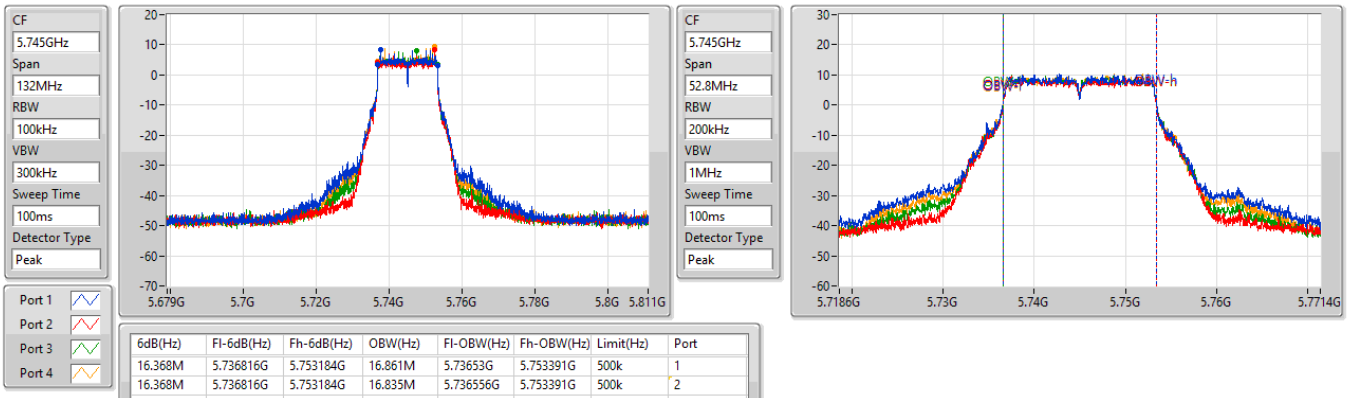
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.62M	5.725G	5.73062G	Inf	1
5.64M	5.725G	5.73064G	Inf	2
5.64M	5.725G	5.73064G	Inf	3
5.54M	5.725G	5.73054G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

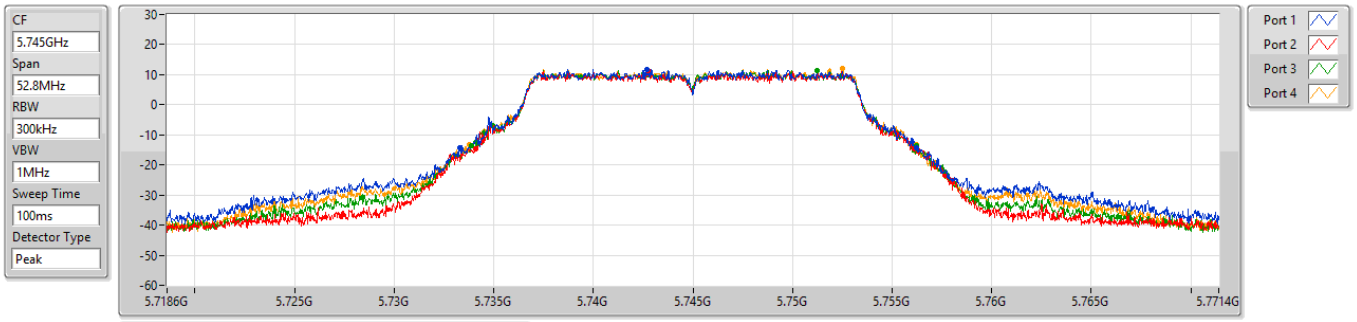
5745MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.368M	5.736816G	5.753184G	16.861M	5.73653G	5.753391G	500k	1
16.368M	5.736816G	5.753184G	16.835M	5.736556G	5.753391G	500k	2
16.368M	5.736816G	5.753184G	16.835M	5.736556G	5.753391G	500k	3
16.368M	5.736816G	5.753184G	16.861M	5.73653G	5.753391G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

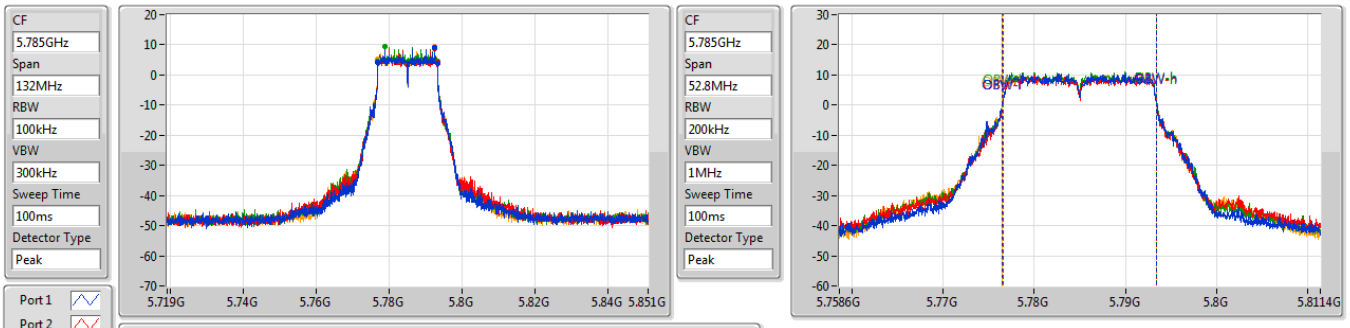
5745MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.968M	5.733278G	5.756246G	Inf	1
22.07M	5.73407G	5.756141G	Inf	2
22.387M	5.733859G	5.756246G	Inf	3
22.466M	5.73378G	5.756246G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

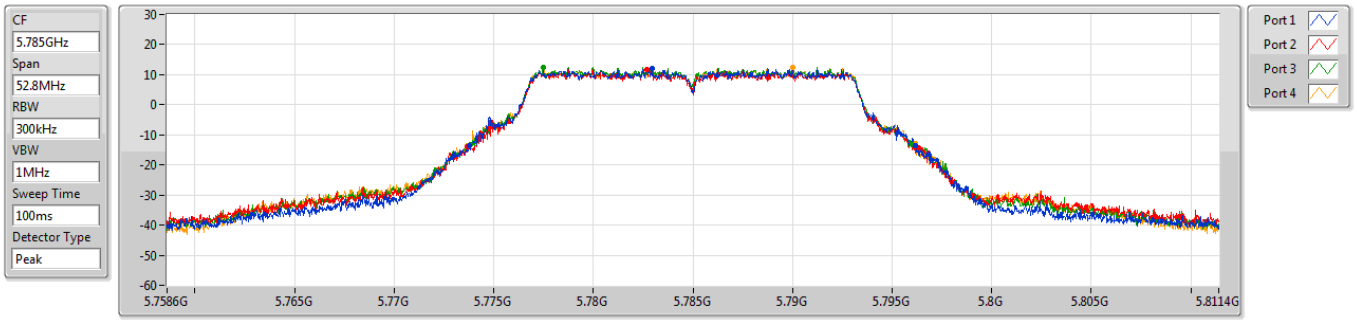
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.368M	5.776816G	5.793184G	16.888M	5.776503G	5.793391G	500k	1
16.368M	5.776816G	5.793184G	16.861M	5.77653G	5.793391G	500k	2
16.368M	5.776816G	5.793184G	16.808M	5.776556G	5.793365G	500k	3
16.368M	5.776816G	5.793184G	16.888M	5.776503G	5.793391G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

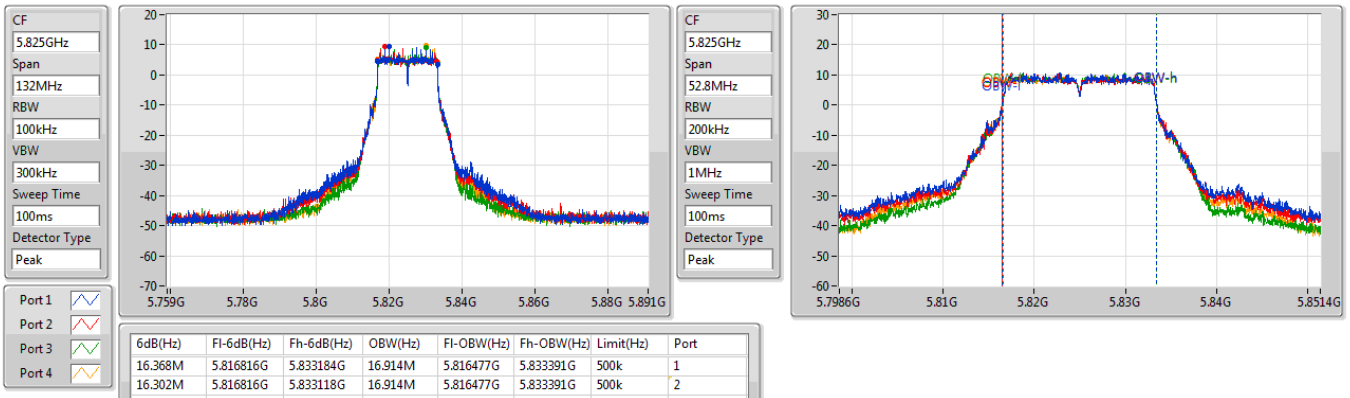
5785MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.414M	5.77378G	5.796194G	Inf	1
22.678M	5.773674G	5.796352G	Inf	2
22.176M	5.773833G	5.796009G	Inf	3
22.546M	5.773648G	5.796194G	Inf	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

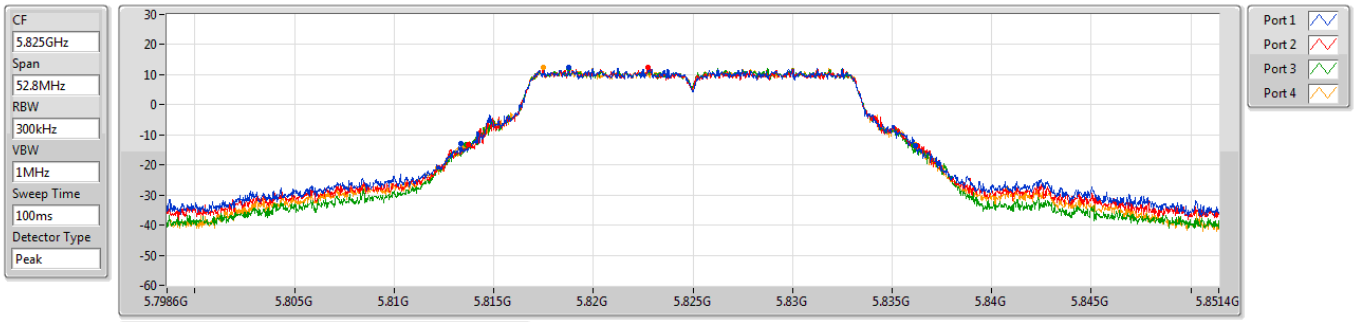
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.368M	5.816816G	5.833184G	16.914M	5.816477G	5.833391G	500k	1
16.302M	5.816816G	5.833118G	16.914M	5.816477G	5.833391G	500k	2
16.368M	5.816816G	5.833184G	16.808M	5.816556G	5.833365G	500k	3
16.368M	5.816816G	5.833184G	16.888M	5.816503G	5.833391G	500k	4

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **EBW**

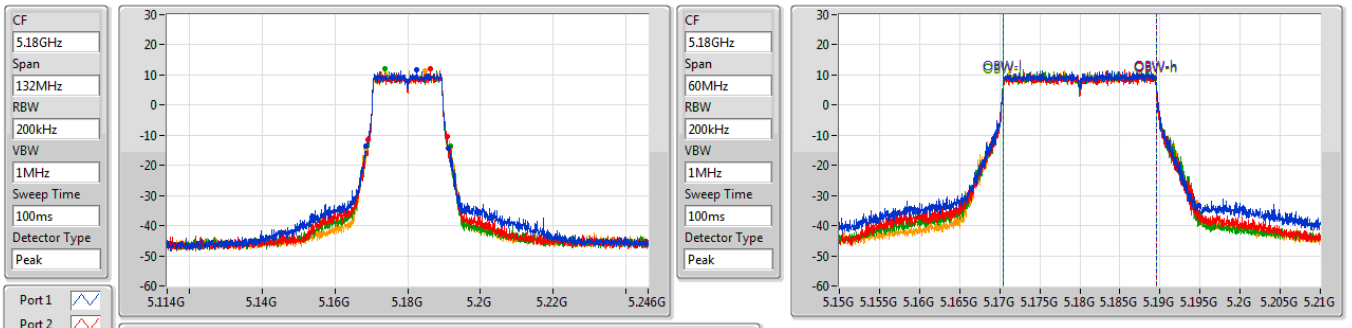
5825MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.862M	5.813331G	5.836194G	Inf	1
22.572M	5.813701G	5.836273G	Inf	2
22.546M	5.813595G	5.836141G	Inf	3
22.678M	5.813516G	5.836194G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

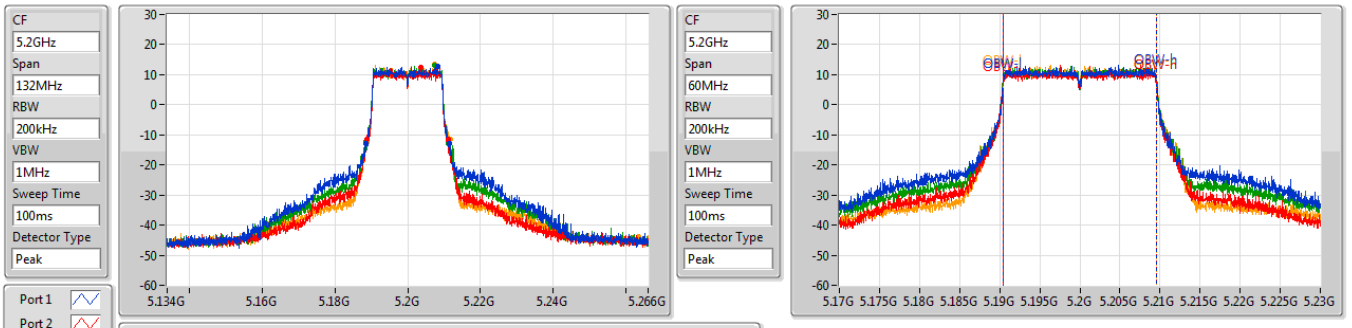
5180MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	5.16845G	5.19122G	19.07M	5.170465G	5.189535G	Inf	1
21.846M	5.16911G	5.190956G	19.07M	5.170465G	5.189535G	Inf	2
23.1M	5.168714G	5.191814G	19.1M	5.170435G	5.189535G	Inf	3
23.166M	5.168516G	5.191682G	19.13M	5.170435G	5.189565G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

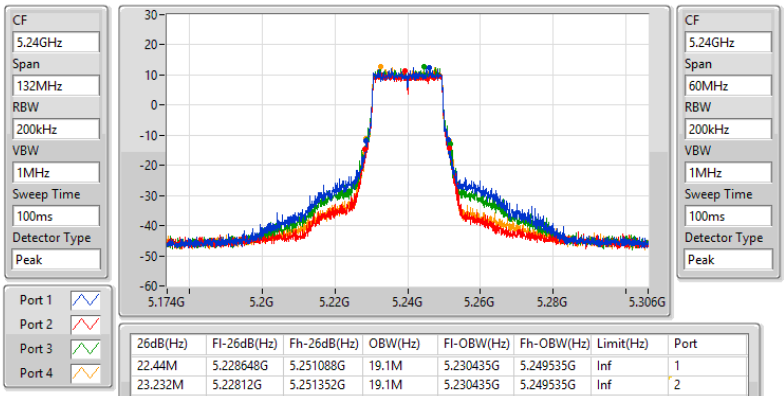
5200MHz

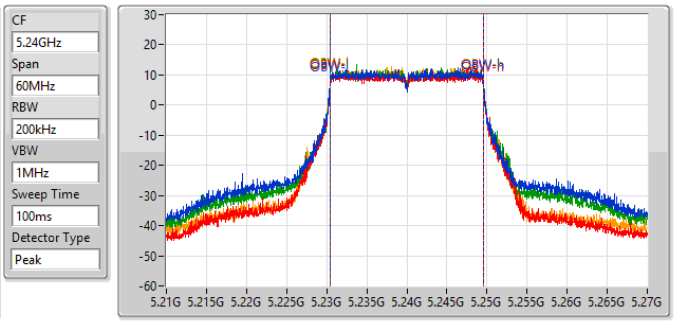


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.836M	5.188648G	5.211484G	19.13M	5.190435G	5.209565G	Inf	1
22.44M	5.188714G	5.211154G	19.1M	5.190435G	5.209535G	Inf	2
22.77M	5.188516G	5.211286G	19.13M	5.190435G	5.209565G	Inf	3
23.1M	5.188714G	5.211814G	19.07M	5.190465G	5.209535G	Inf	4

5.15-5.25GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5240MHz

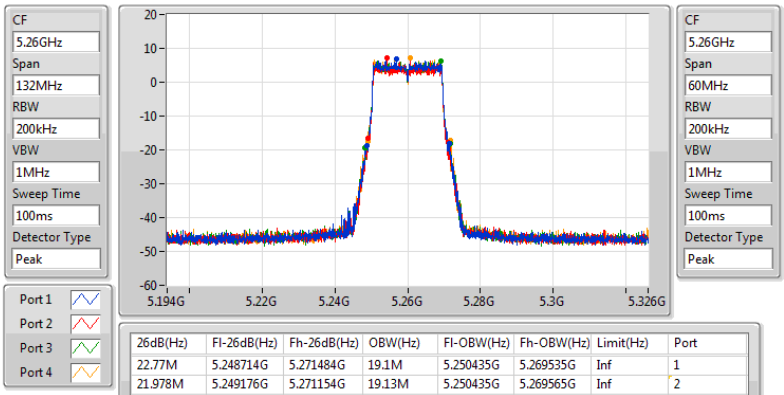


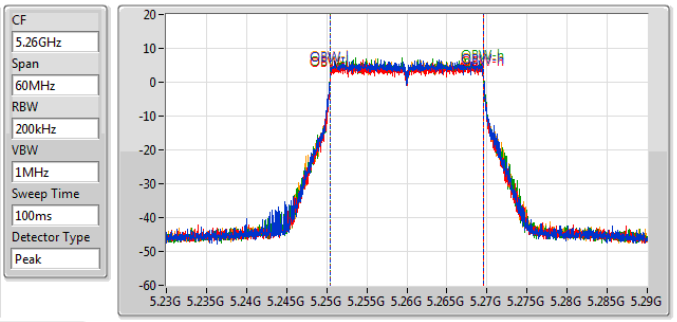


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.44M	5.228648G	5.251088G	19.1M	5.230435G	5.249535G	Inf	1
23.232M	5.22812G	5.251352G	19.1M	5.230435G	5.249535G	Inf	2
22.968M	5.22878G	5.251748G	19.07M	5.230465G	5.249535G	Inf	3
22.77M	5.228648G	5.251418G	19.07M	5.230465G	5.249535G	Inf	4

5.25-5.35GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5260MHz

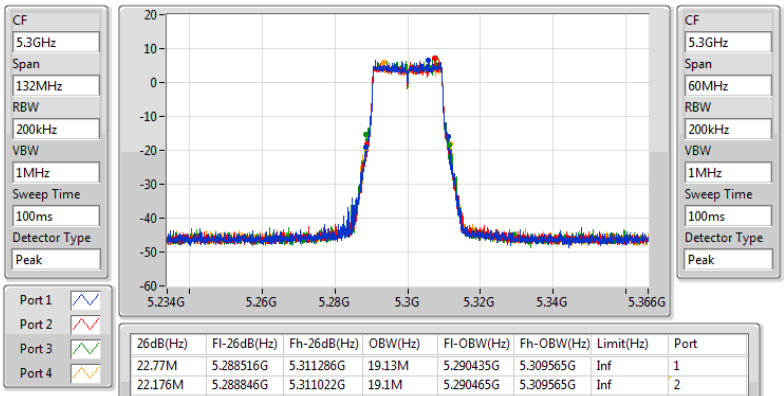


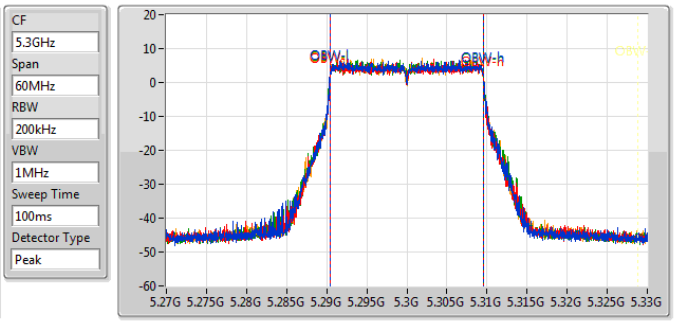


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	5.248714G	5.271484G	19.1M	5.250435G	5.269535G	Inf	1
21.978M	5.249176G	5.271154G	19.13M	5.250435G	5.269565G	Inf	2
23.364M	5.248384G	5.271748G	19.1M	5.250435G	5.269535G	Inf	3
22.704M	5.248978G	5.271682G	19.07M	5.250465G	5.269535G	Inf	4

5.25-5.35GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5300MHz

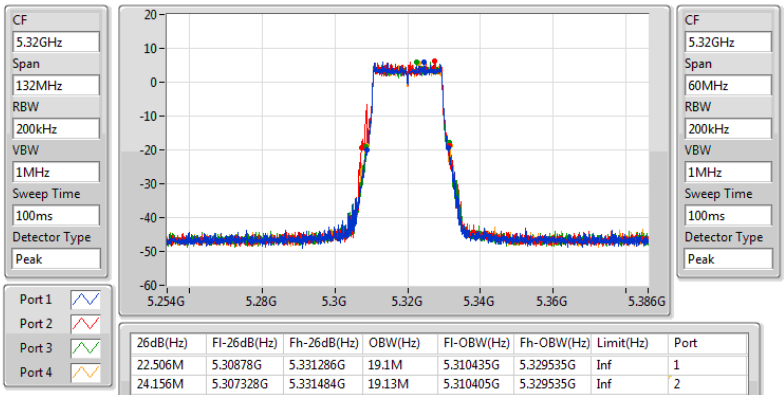


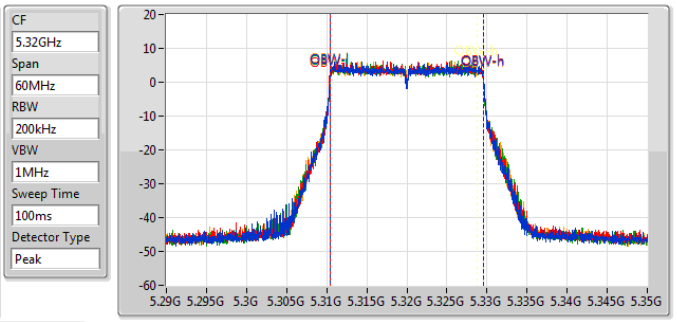


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	5.288516G	5.311286G	19.13M	5.290435G	5.309565G	Inf	1
22.176M	5.288846G	5.311022G	19.1M	5.290465G	5.309565G	Inf	2
22.968M	5.28845G	5.311418G	19.07M	5.290465G	5.309535G	Inf	3
23.166M	5.288582G	5.311748G	19.1M	5.290465G	5.309565G	Inf	4

5.25-5.35GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5320MHz

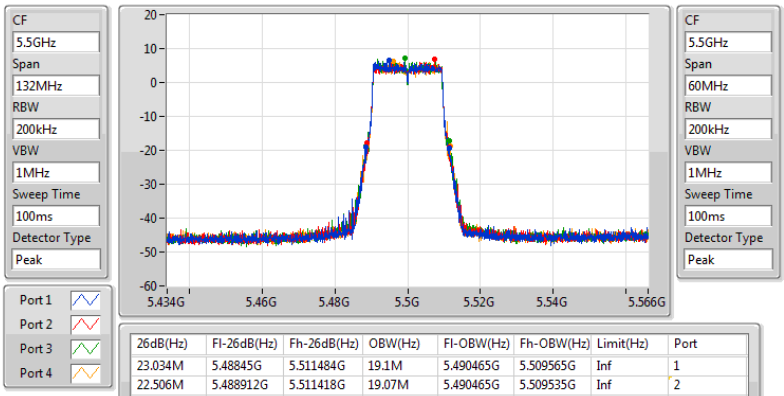


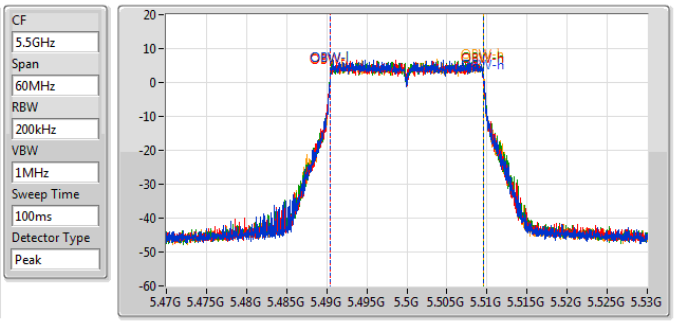


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.506M	5.30878G	5.331286G	19.1M	5.310435G	5.329535G	Inf	1
24.156M	5.307328G	5.331484G	19.13M	5.310405G	5.329535G	Inf	2
22.704M	5.308648G	5.331352G	19.1M	5.310435G	5.329535G	Inf	3
23.034M	5.30878G	5.331814G	19.07M	5.310465G	5.329535G	Inf	4

5.47-5.725GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5500MHz

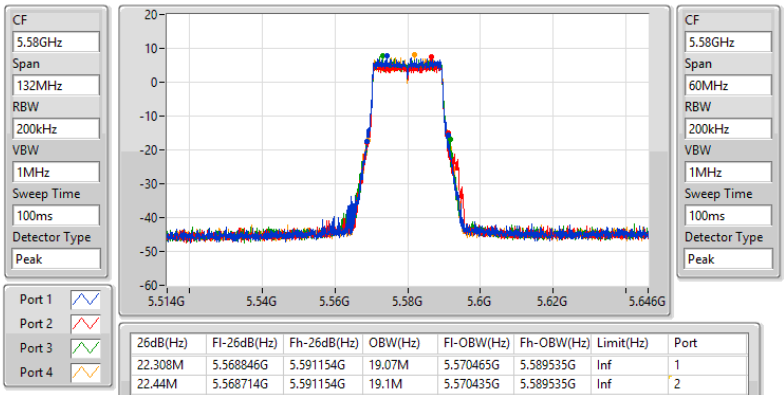


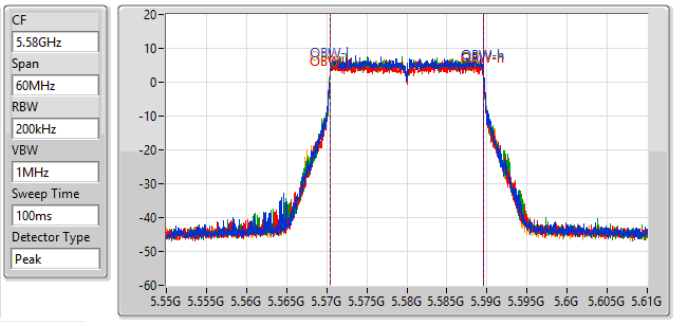


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.034M	5.48845G	5.511484G	19.1M	5.490465G	5.509565G	Inf	1
22.506M	5.488912G	5.511418G	19.07M	5.490465G	5.509535G	Inf	2
22.836M	5.488516G	5.511352G	19.1M	5.490435G	5.509535G	Inf	3
23.1M	5.48878G	5.51188G	19.1M	5.490465G	5.509565G	Inf	4

5.47-5.725GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5580MHz

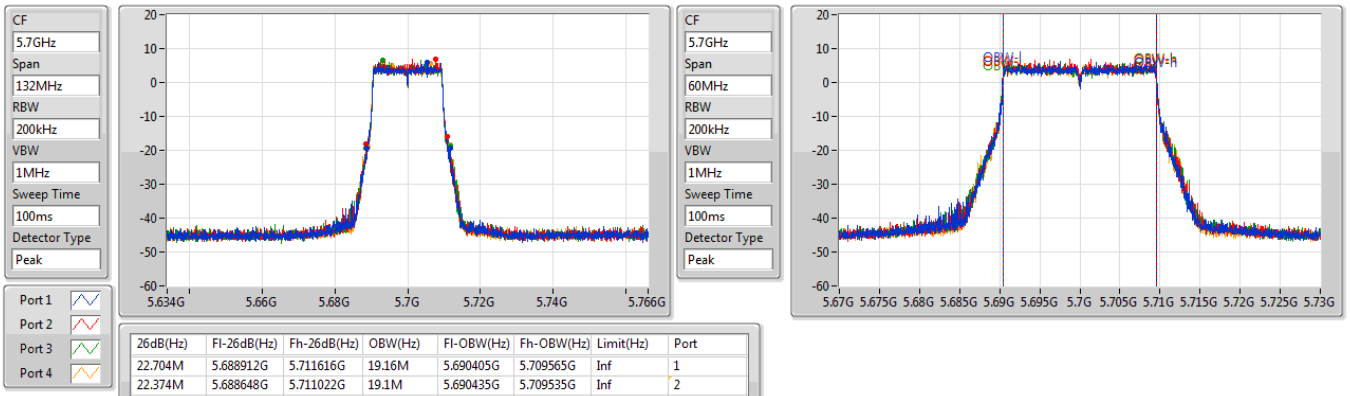




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.308M	5.568846G	5.591154G	19.07M	5.570465G	5.589535G	Inf	1
22.44M	5.568714G	5.591154G	19.1M	5.570435G	5.589535G	Inf	2
22.77M	5.568912G	5.591682G	19.1M	5.570435G	5.589535G	Inf	3
22.308M	5.568978G	5.591286G	19.1M	5.570435G	5.589535G	Inf	4

5.47-5.725GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

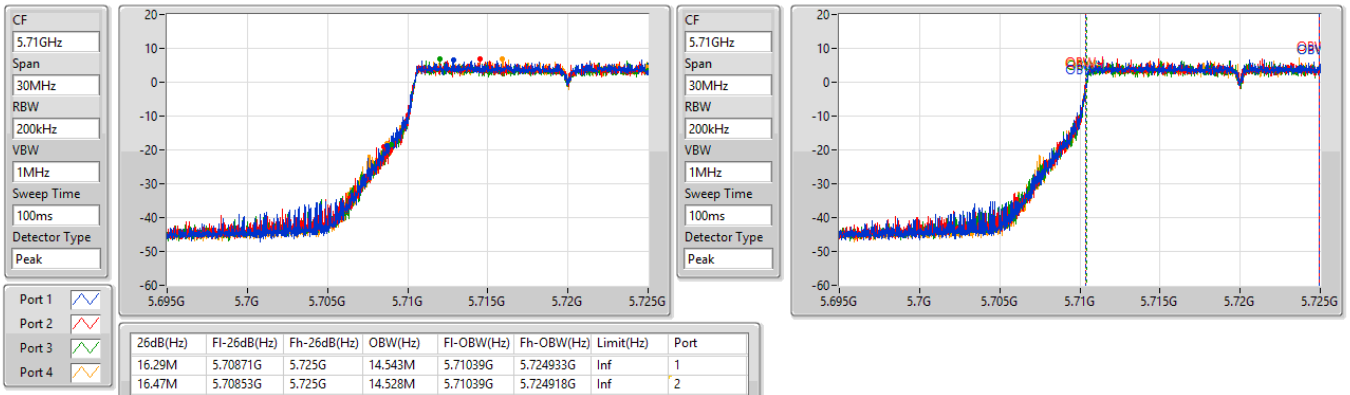
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.704M	5.688912G	5.711616G	19.16M	5.690405G	5.709565G	Inf	1
22.374M	5.688648G	5.711022G	19.1M	5.690435G	5.709535G	Inf	2
23.232M	5.688582G	5.711814G	19.1M	5.690435G	5.709535G	Inf	3
22.836M	5.688978G	5.711814G	19.1M	5.690465G	5.709565G	Inf	4

5.47-5.725GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

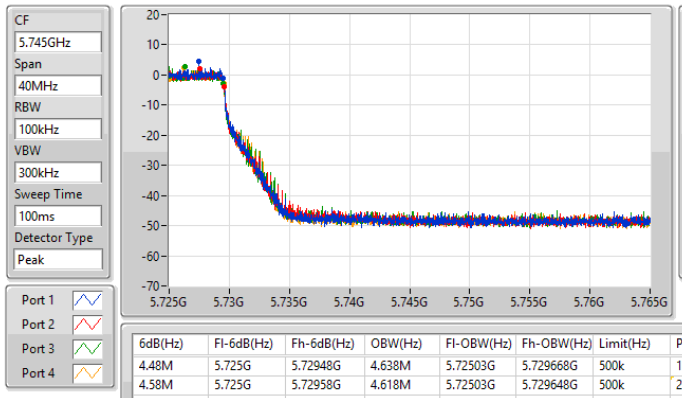
5720MHz Straddle 5.47-5.725GHz

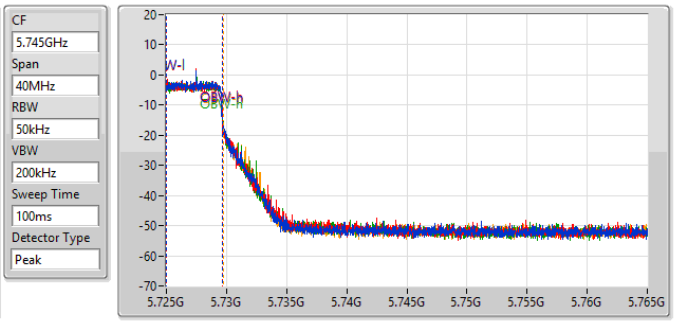


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.29M	5.70871G	5.725G	14.543M	5.71039G	5.724933G	Inf	1
16.47M	5.70853G	5.725G	14.528M	5.71039G	5.724918G	Inf	2
15.99M	5.70901G	5.725G	14.543M	5.710405G	5.724948G	Inf	3
16.29M	5.70871G	5.725G	14.543M	5.71039G	5.724933G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5720MHz Straddle 5.725-5.85GHz

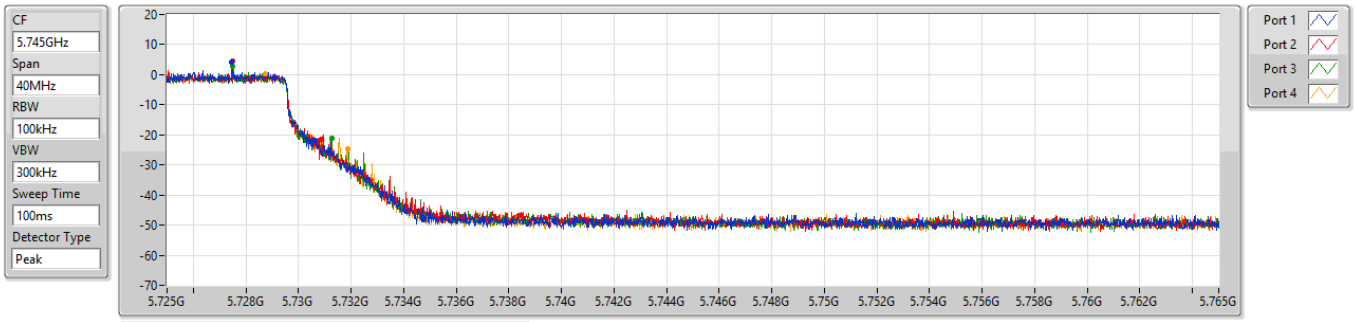




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.48M	5.725G	5.72948G	4.638M	5.72503G	5.729668G	500k	1
4.58M	5.725G	5.72958G	4.618M	5.72503G	5.729648G	500k	2
4.52M	5.725G	5.72952G	4.658M	5.72503G	5.729688G	500k	3
4.56M	5.725G	5.72956G	4.678M	5.72503G	5.729708G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

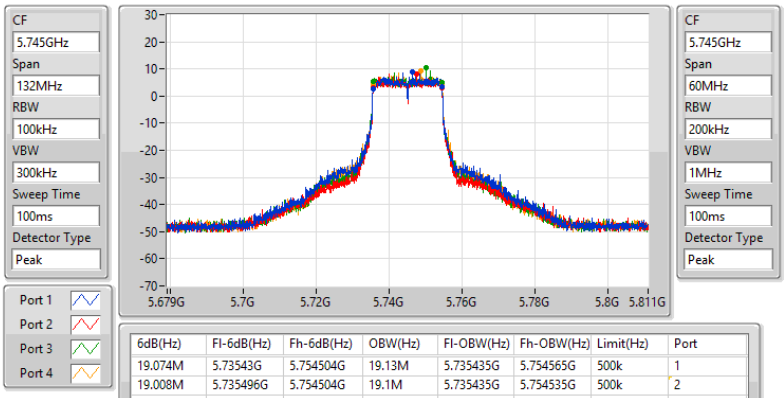
5720MHz Straddle 5.725-5.85GHz

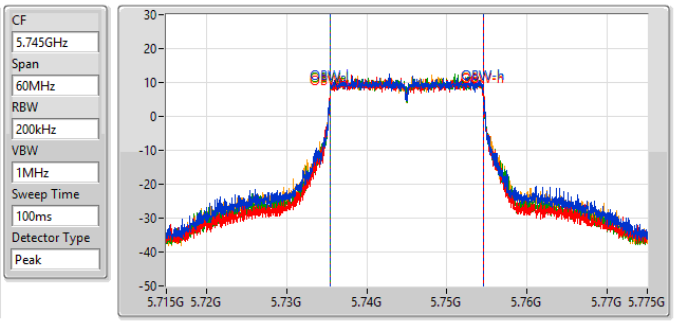


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.62M	5.725G	5.73062G	Inf	1
5.88M	5.725G	5.73088G	Inf	2
6.26M	5.725G	5.73126G	Inf	3
6.88M	5.725G	5.73188G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

5745MHz

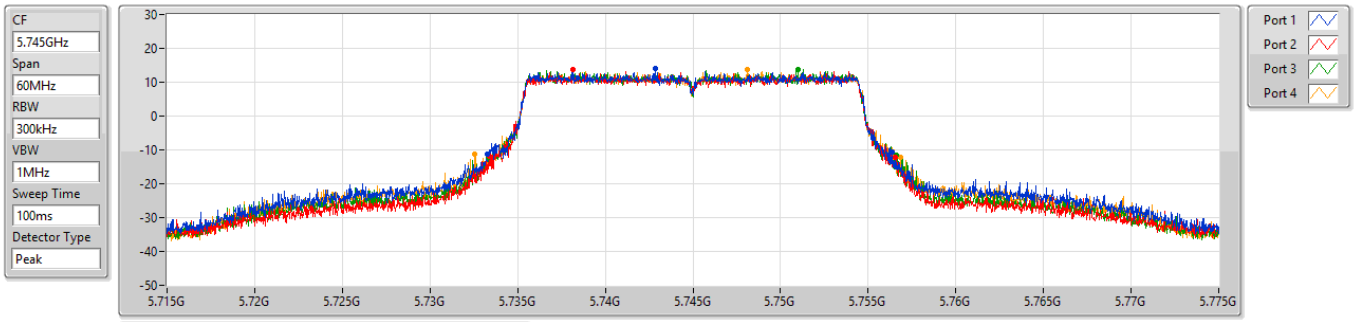




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.074M	5.73543G	5.754504G	19.13M	5.735435G	5.754565G	500k	1
19.008M	5.735496G	5.754504G	19.1M	5.735435G	5.754535G	500k	2
18.876M	5.735562G	5.754438G	19.1M	5.735435G	5.754535G	500k	3
18.942M	5.735496G	5.754438G	19.13M	5.735435G	5.754565G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

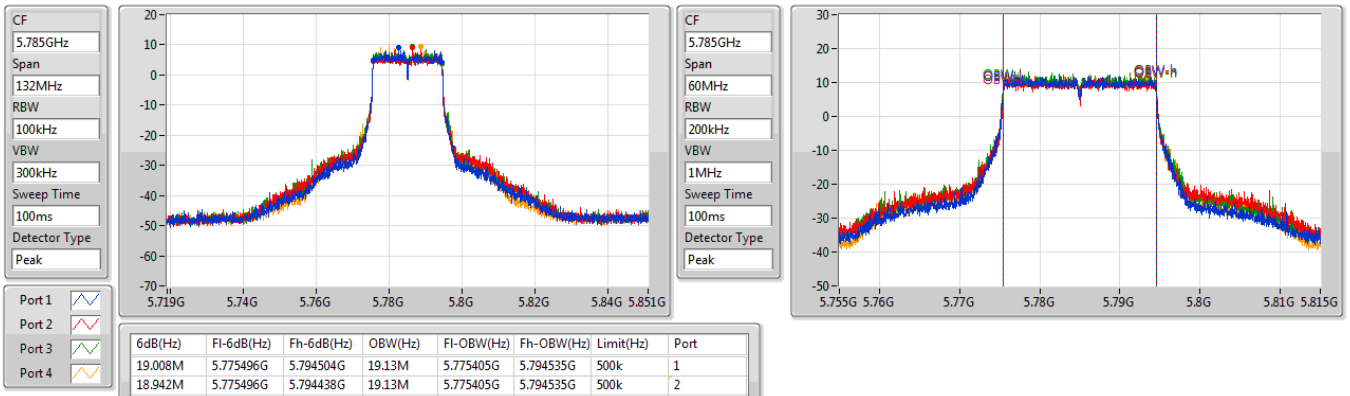
5745MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
23.04M	5.7333G	5.75634G	Inf	1
23.13M	5.73342G	5.75655G	Inf	2
23.25M	5.73336G	5.75661G	Inf	3
24.3M	5.73252G	5.75682G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

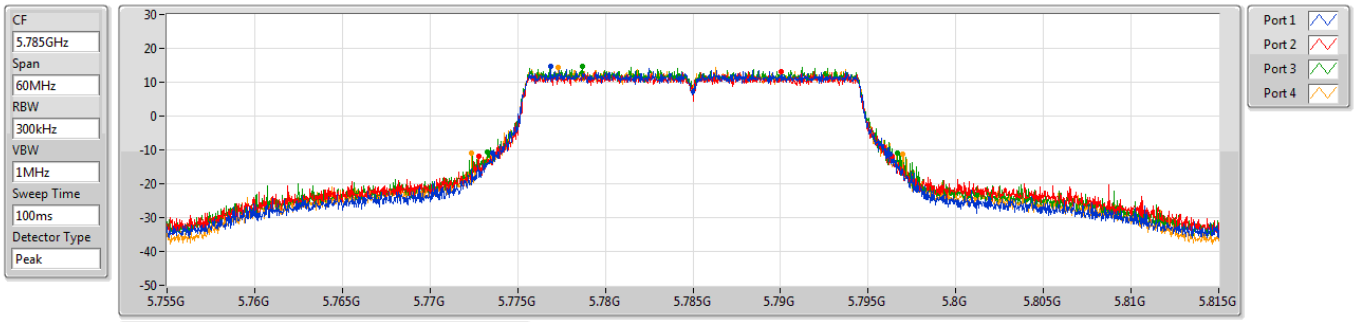
5785MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.008M	5.775496G	5.794504G	19.13M	5.775405G	5.794535G	500k	1
18.942M	5.775496G	5.794438G	19.13M	5.775405G	5.794535G	500k	2
19.008M	5.775496G	5.794504G	19.13M	5.775405G	5.794535G	500k	3
19.008M	5.775496G	5.794504G	19.13M	5.775405G	5.794535G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

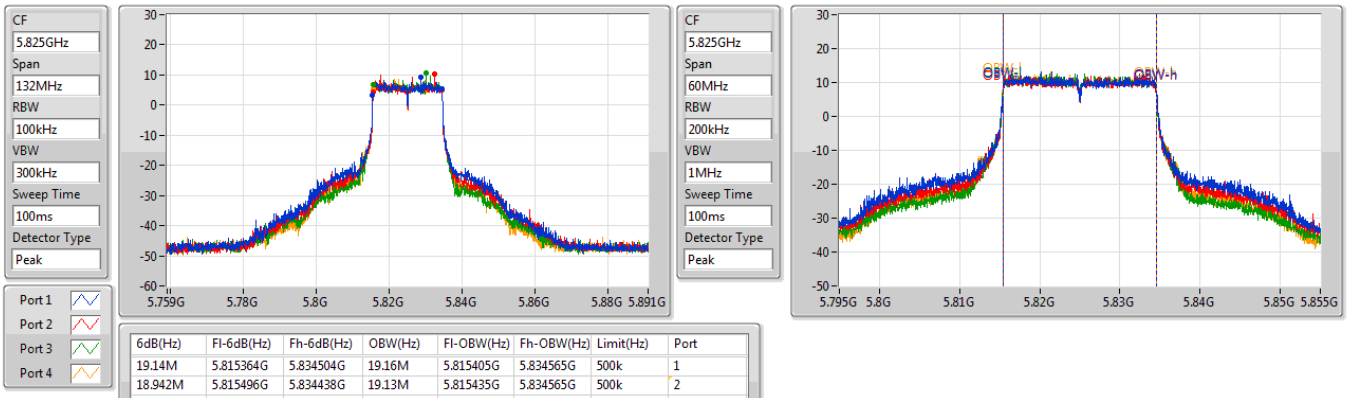
5785MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.65M	5.7736G	5.79625G	Inf	1
23.61M	5.77276G	5.79637G	Inf	2
23.37M	5.7733G	5.79667G	Inf	3
24.6M	5.77237G	5.79697G	Inf	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

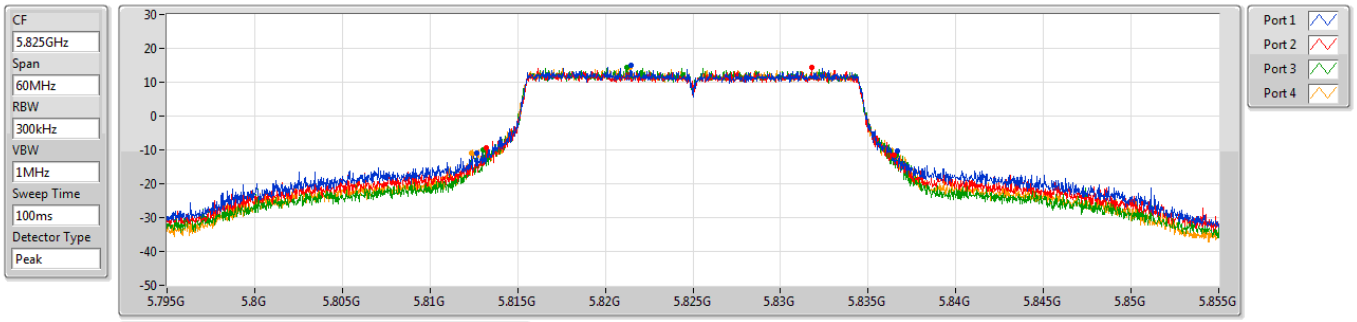
5825MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.14M	5.815364G	5.834504G	19.16M	5.815405G	5.834565G	500k	1
18.942M	5.815496G	5.834438G	19.13M	5.815435G	5.834565G	500k	2
18.876M	5.815562G	5.834438G	19.13M	5.815405G	5.834535G	500k	3
19.008M	5.815496G	5.834504G	19.16M	5.815375G	5.834535G	500k	4

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **EBW**

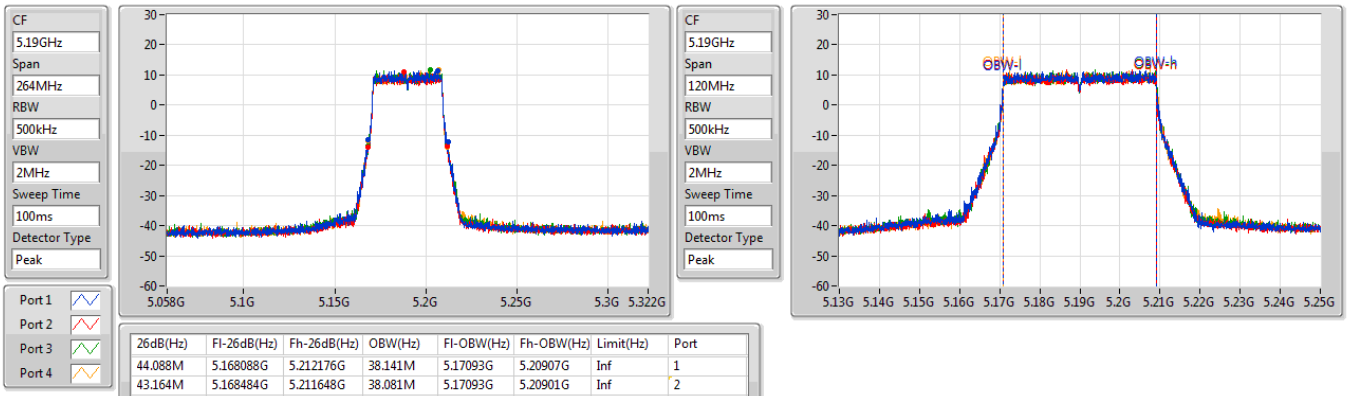
5825MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
24M	5.81267G	5.83667G	Inf	1
23.22M	5.81324G	5.83646G	Inf	2
23.58M	5.81303G	5.83661G	Inf	3
24.24M	5.81234G	5.83658G	Inf	4

5.15-5.25GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

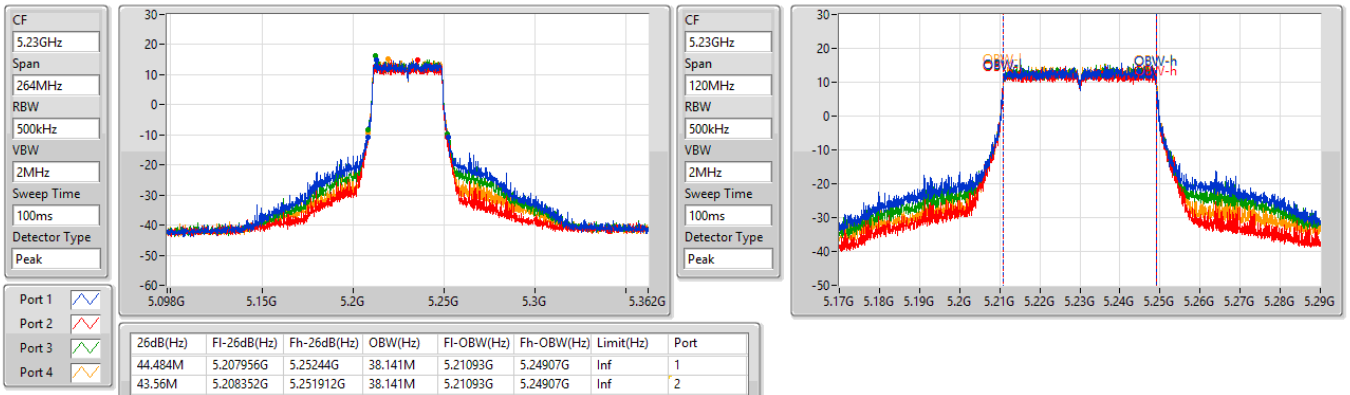
5190MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.088M	5.168088G	5.212176G	38.141M	5.17093G	5.20907G	Inf	1
43.164M	5.168484G	5.211648G	38.081M	5.17093G	5.20901G	Inf	2
43.692M	5.168088G	5.21178G	38.141M	5.17093G	5.20907G	Inf	3
43.56M	5.168484G	5.212044G	38.081M	5.17099G	5.20907G	Inf	4

5.15-5.25GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

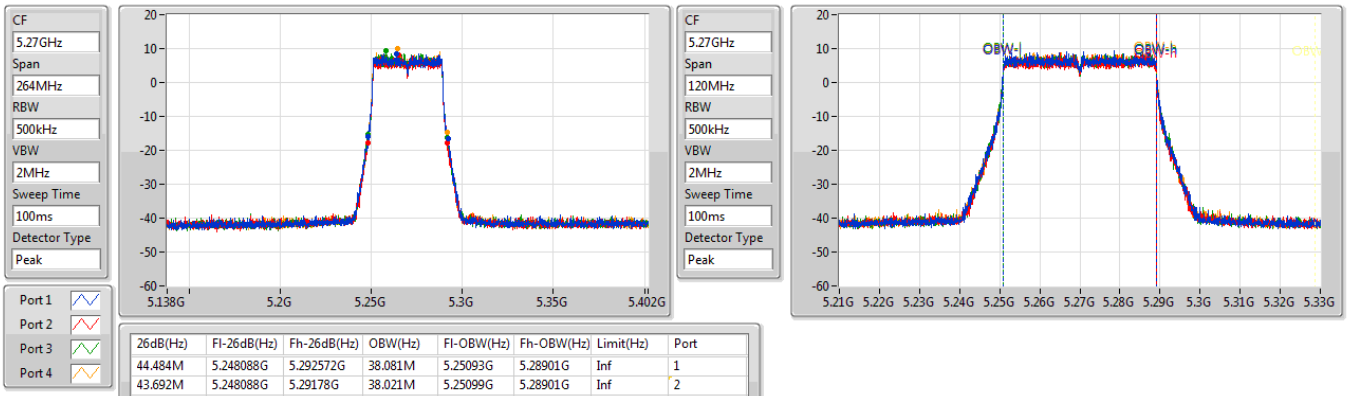
5230MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.484M	5.207956G	5.25244G	38.141M	5.21093G	5.24907G	Inf	1
43.56M	5.208352G	5.251912G	38.141M	5.21093G	5.24907G	Inf	2
43.428M	5.20822G	5.251648G	38.081M	5.21099G	5.24907G	Inf	3
43.692M	5.208352G	5.252044G	38.081M	5.21099G	5.24907G	Inf	4

5.25-5.35GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

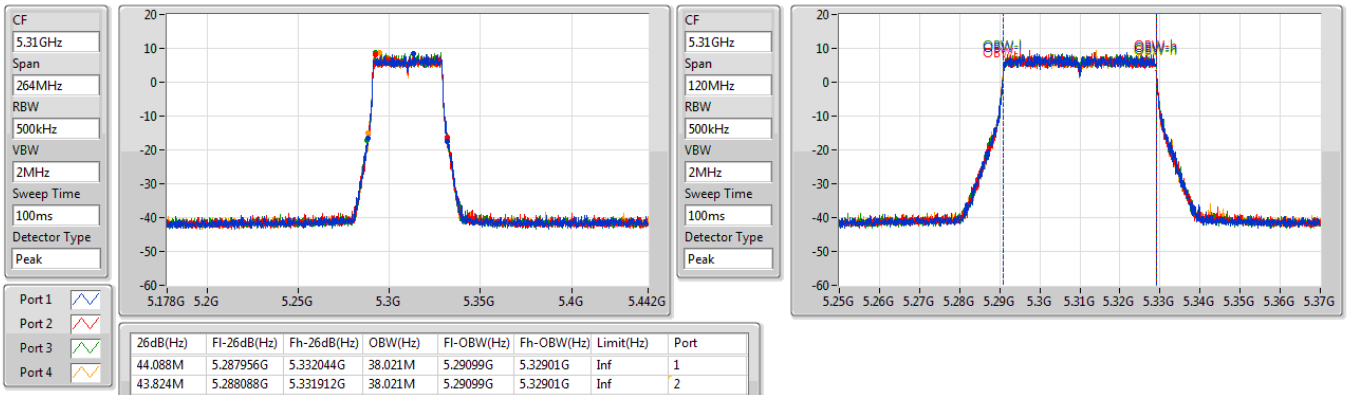
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.484M	5.248088G	5.292572G	38.081M	5.25093G	5.28901G	Inf	1
43.692M	5.248088G	5.29178G	38.021M	5.25099G	5.28901G	Inf	2
43.692M	5.24822G	5.291912G	38.141M	5.25093G	5.28907G	Inf	3
43.296M	5.24822G	5.291516G	38.081M	5.25093G	5.28901G	Inf	4

5.25-5.35GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

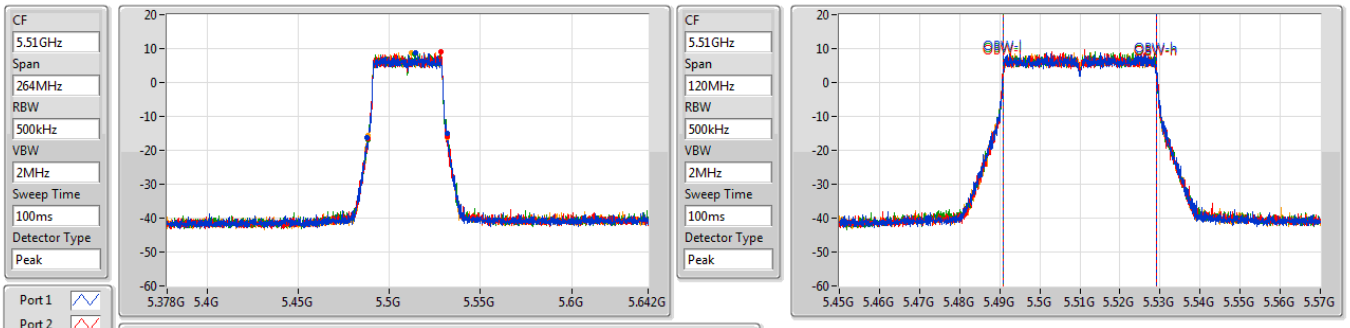
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.088M	5.287956G	5.332044G	38.021M	5.29099G	5.32901G	Inf	1
43.824M	5.288088G	5.331912G	38.021M	5.29099G	5.32901G	Inf	2
44.352M	5.28756G	5.331912G	38.081M	5.29093G	5.32901G	Inf	3
43.56M	5.28822G	5.33178G	38.081M	5.29093G	5.32901G	Inf	4

5.47-5.725GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

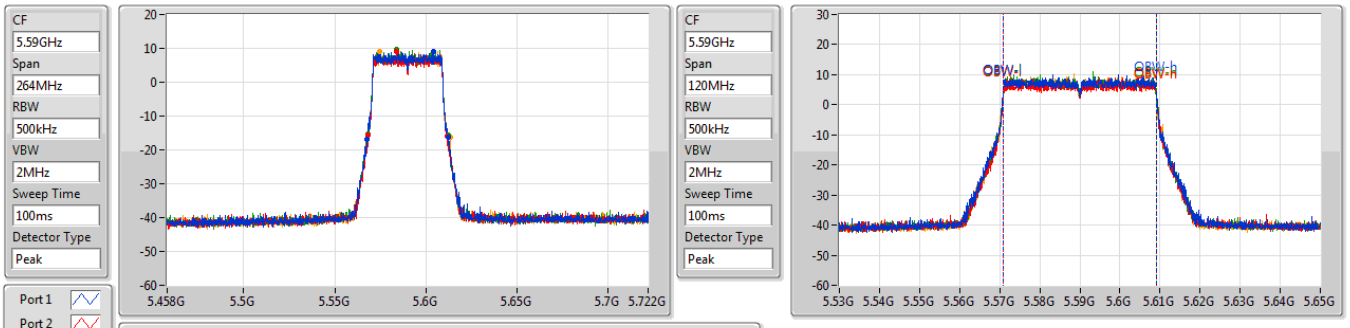
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.484M	5.48756G	5.532044G	38.081M	5.49099G	5.52907G	Inf	1
43.692M	5.487956G	5.531648G	38.081M	5.49099G	5.52907G	Inf	2
44.088M	5.487956G	5.532044G	38.081M	5.49099G	5.52907G	Inf	3
43.56M	5.488088G	5.531648G	38.081M	5.49093G	5.52901G	Inf	4

5.47-5.725GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

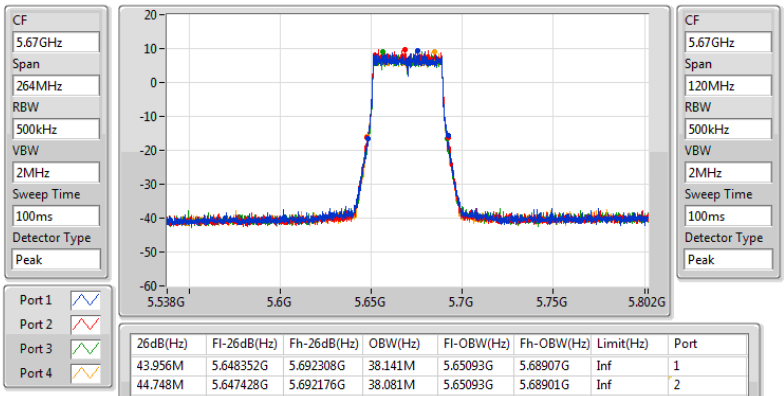
5590MHz

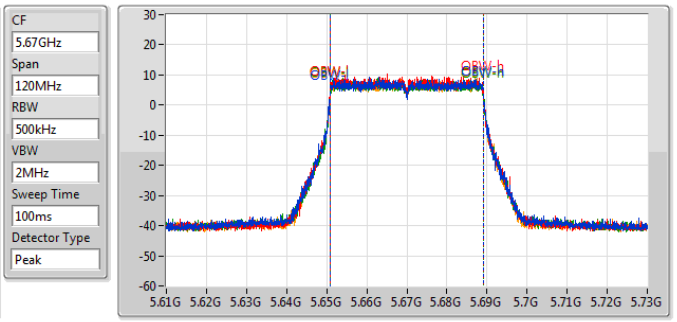


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.352M	5.567824G	5.612176G	38.081M	5.57093G	5.60901G	Inf	1
43.296M	5.568484G	5.61178G	38.141M	5.57093G	5.60907G	Inf	2
43.824M	5.568352G	5.612176G	38.141M	5.57093G	5.60907G	Inf	3
45.54M	5.567692G	5.613232G	38.081M	5.57093G	5.60901G	Inf	4

5.47-5.725GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

5670MHz

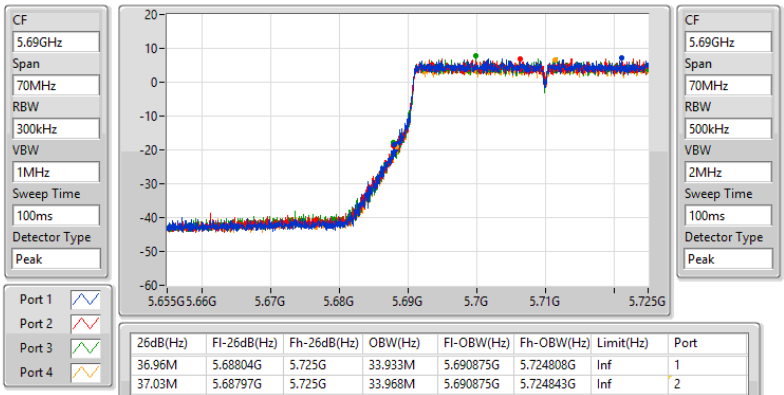


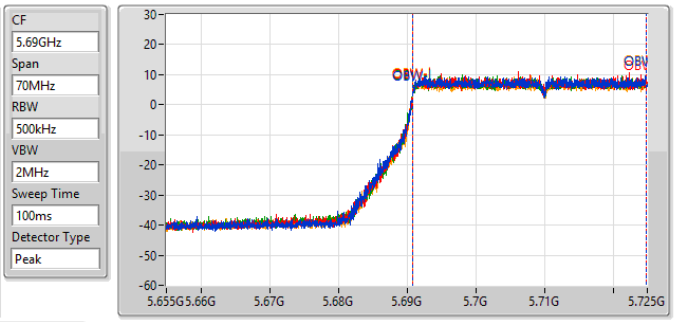


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.956M	5.648352G	5.692308G	38.141M	5.65093G	5.68907G	Inf	1
44.748M	5.647428G	5.692176G	38.081M	5.65093G	5.68901G	Inf	2
43.956M	5.647692G	5.691648G	38.141M	5.65093G	5.68907G	Inf	3
44.616M	5.647824G	5.69244G	38.081M	5.65093G	5.68901G	Inf	4

5.47-5.725GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

5710MHz Straddle 5.47-5.725GHz

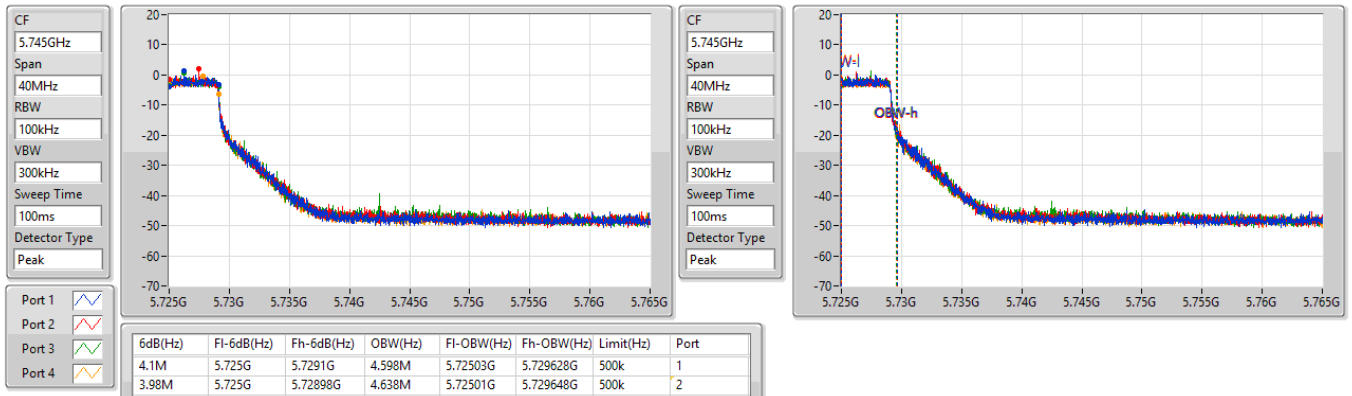




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.96M	5.68804G	5.725G	33.933M	5.690875G	5.724808G	Inf	1
37.03M	5.68797G	5.725G	33.968M	5.690875G	5.724843G	Inf	2
37.03M	5.68797G	5.725G	33.933M	5.69091G	5.724843G	Inf	3
36.575M	5.688425G	5.725G	33.968M	5.69091G	5.724878G	Inf	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

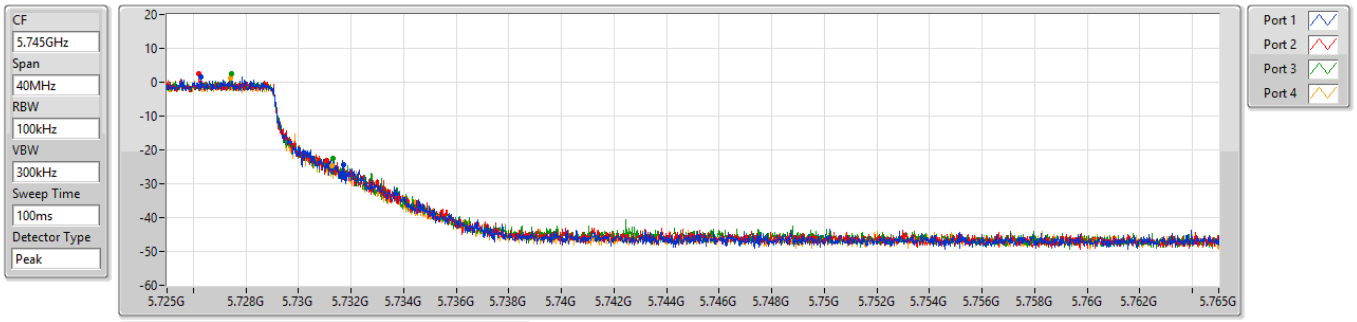
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.1M	5.725G	5.7291G	4.598M	5.72503G	5.729628G	500k	1
3.98M	5.725G	5.72898G	4.638M	5.72501G	5.729648G	500k	2
4.1M	5.725G	5.7291G	4.578M	5.72503G	5.729608G	500k	3
4.12M	5.725G	5.72912G	4.578M	5.72501G	5.729588G	500k	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

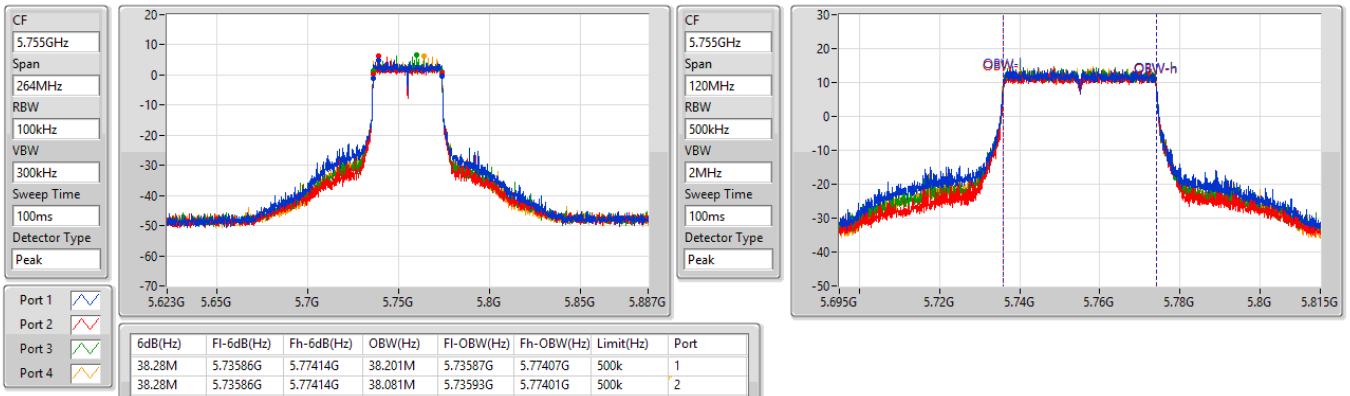
5710MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
6.7M	5.725G	5.7317G	Inf	1
6.08M	5.725G	5.73108G	Inf	2
6.32M	5.725G	5.73132G	Inf	3
6.28M	5.725G	5.73128G	Inf	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

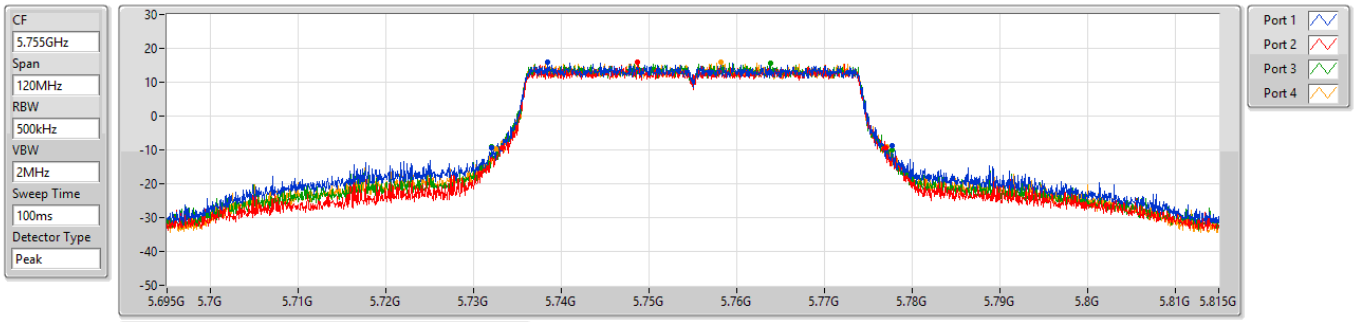
5755MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.28M	5.73586G	5.77414G	38.201M	5.73587G	5.77407G	500k	1
38.28M	5.73586G	5.77414G	38.081M	5.73593G	5.77401G	500k	2
38.148M	5.73586G	5.774008G	38.201M	5.73587G	5.77407G	500k	3
38.148M	5.73586G	5.774008G	38.141M	5.73593G	5.77407G	500k	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

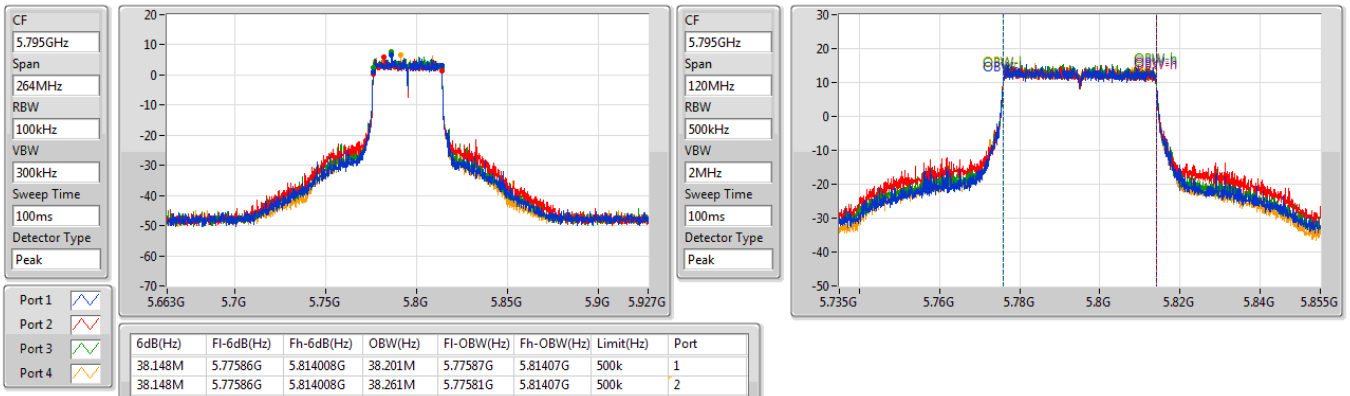
5755MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
45.66M	5.73208G	5.77774G	Inf	1
43.74M	5.73322G	5.77696G	Inf	2
45.66M	5.73202G	5.77768G	Inf	3
44.64M	5.7325G	5.77714G	Inf	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

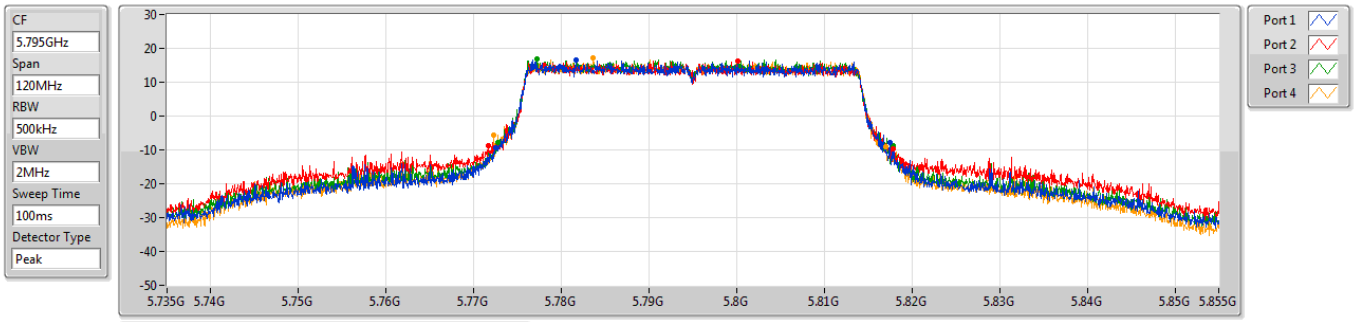
5795MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.148M	5.77586G	5.814008G	38.201M	5.77587G	5.81407G	500k	1
38.148M	5.77586G	5.814008G	38.261M	5.77581G	5.81407G	500k	2
38.148M	5.77586G	5.814008G	38.141M	5.77587G	5.81401G	500k	3
38.148M	5.775992G	5.81414G	38.201M	5.77587G	5.81407G	500k	4

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **EBW**

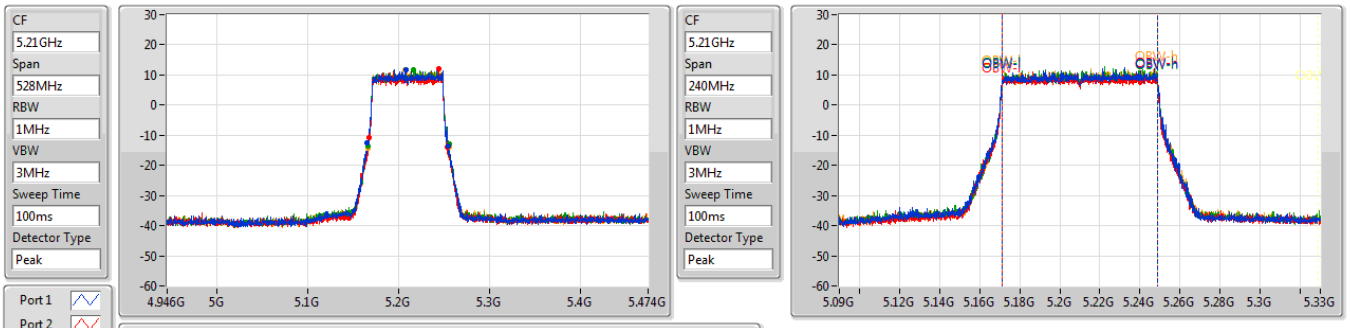
5795MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
44.94M	5.7725G	5.81744G	Inf	1
46.2M	5.77166G	5.81786G	Inf	2
45.12M	5.77274G	5.81786G	Inf	3
44.7M	5.77232G	5.81702G	Inf	4

5.15-5.25GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

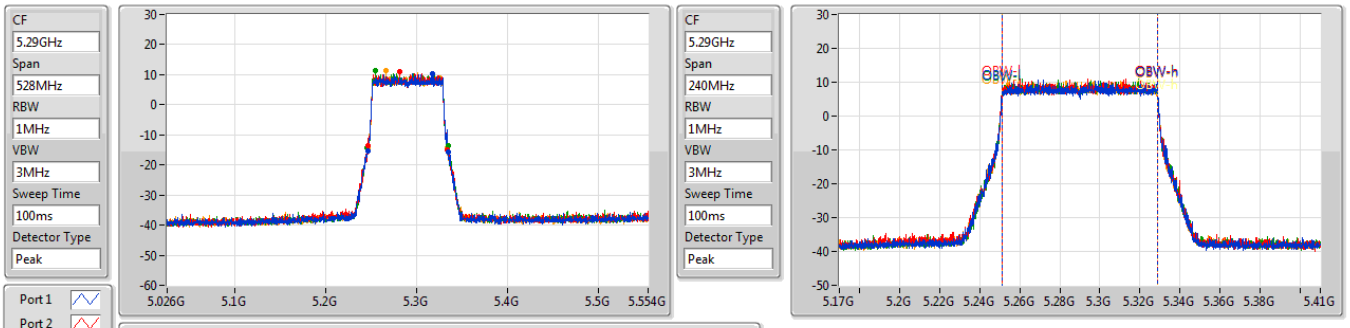
5210MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.968M	5.165648G	5.254616G	77.961M	5.171019G	5.248981G	Inf	1
85.8M	5.167496G	5.253296G	77.961M	5.171019G	5.248981G	Inf	2
89.232M	5.166176G	5.255408G	77.721M	5.171259G	5.248981G	Inf	3
90.024M	5.165912G	5.255936G	77.841M	5.171139G	5.248981G	Inf	4

5.25-5.35GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

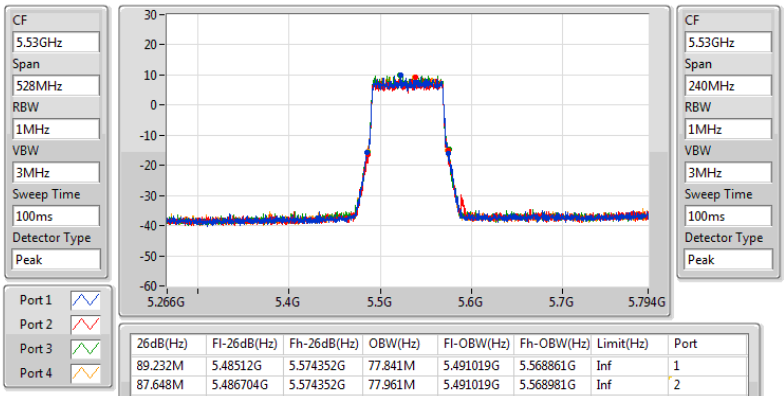
5290MHz

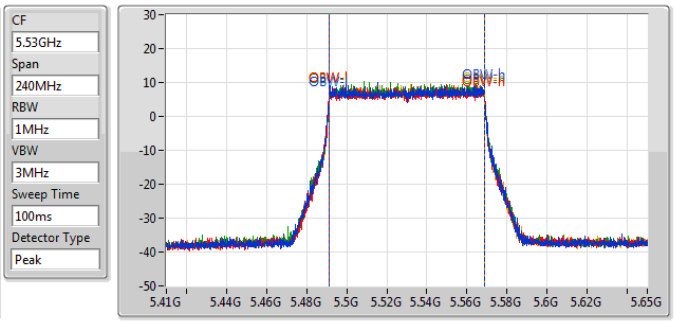


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.968M	5.245912G	5.33488G	77.841M	5.251139G	5.328981G	Inf	1
87.384M	5.24644G	5.333824G	77.841M	5.251019G	5.328861G	Inf	2
89.232M	5.245384G	5.334616G	77.841M	5.251019G	5.328861G	Inf	3
87.648M	5.245912G	5.33356G	77.841M	5.251019G	5.328861G	Inf	4

5.47-5.725GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

5530MHz

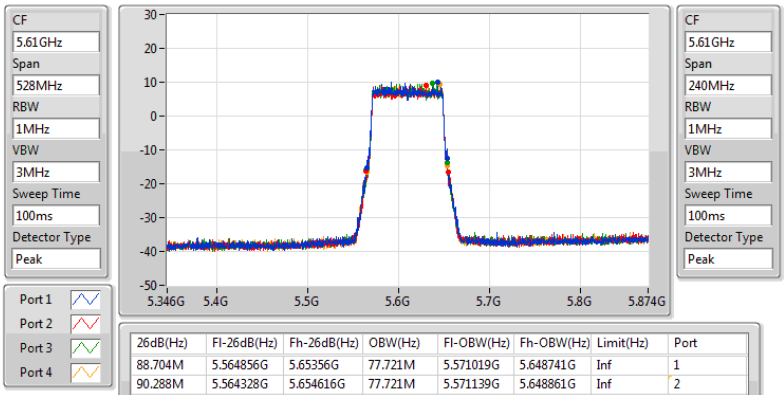


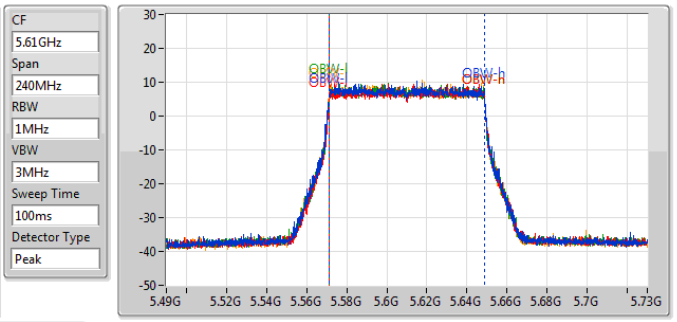


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
89.232M	5.48512G	5.574352G	77.841M	5.491019G	5.568861G	Inf	1
87.648M	5.486704G	5.574352G	77.961M	5.491019G	5.568981G	Inf	2
89.76M	5.486176G	5.575936G	77.841M	5.491139G	5.568981G	Inf	3
87.648M	5.485912G	5.57356G	77.961M	5.491019G	5.568981G	Inf	4

5.47-5.725GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

5610MHz

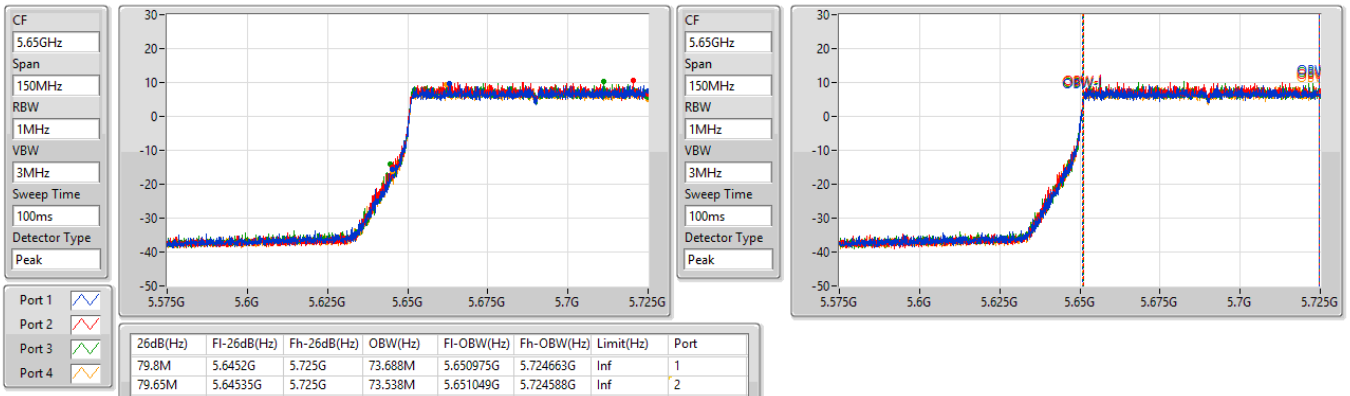




26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.704M	5.564856G	5.65356G	77.721M	5.571019G	5.648741G	Inf	1
90.288M	5.564328G	5.654616G	77.721M	5.571139G	5.648861G	Inf	2
88.968M	5.564592G	5.65356G	77.721M	5.571139G	5.648861G	Inf	3
88.704M	5.565384G	5.654088G	77.841M	5.571019G	5.648861G	Inf	4

5.47-5.725GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

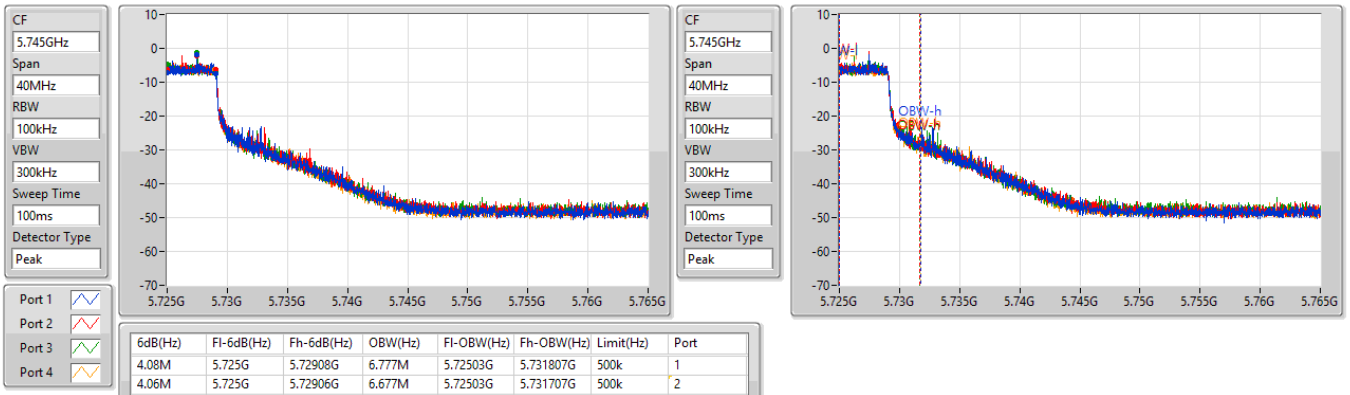
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.8M	5.6452G	5.725G	73.688M	5.650975G	5.724663G	Inf	1
79.65M	5.64535G	5.725G	73.538M	5.651049G	5.724588G	Inf	2
80.4M	5.6446G	5.725G	73.538M	5.651049G	5.724588G	Inf	3
79.65M	5.64535G	5.725G	73.613M	5.650975G	5.724588G	Inf	4

5.725-5.85GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

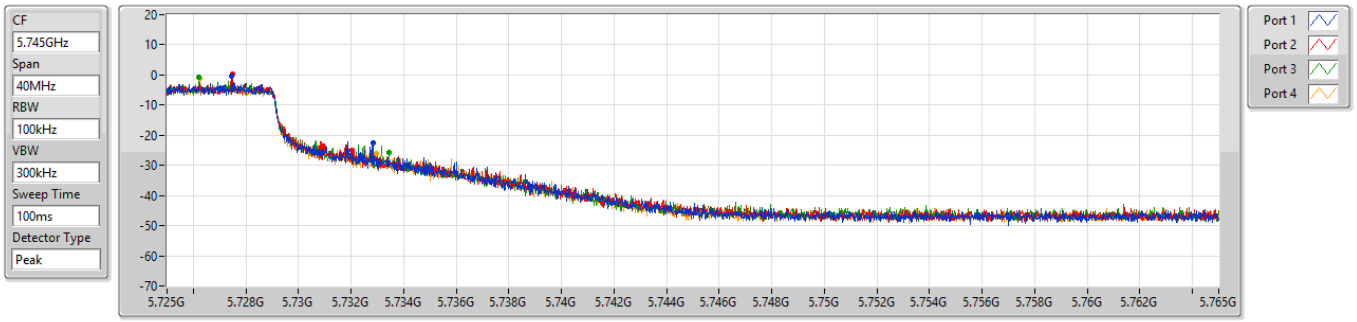
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.08M	5.725G	5.72908G	6.777M	5.72503G	5.731807G	500k	1
4.06M	5.725G	5.72906G	6.677M	5.72503G	5.731707G	500k	2
4.06M	5.725G	5.72906G	6.617M	5.72503G	5.731647G	500k	3
3.96M	5.72502G	5.72898G	6.697M	5.72503G	5.731727G	500k	4

5.725-5.85GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

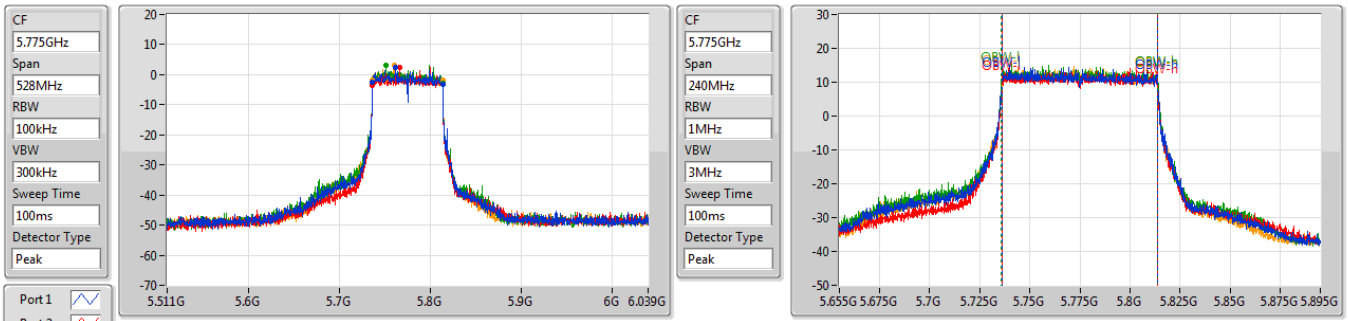
5690MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
7.82M	5.725G	5.73282G	Inf	1
7.04M	5.725G	5.73204G	Inf	2
8.46M	5.725G	5.73346G	Inf	3
7.94M	5.725G	5.73294G	Inf	4

5.725-5.85GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

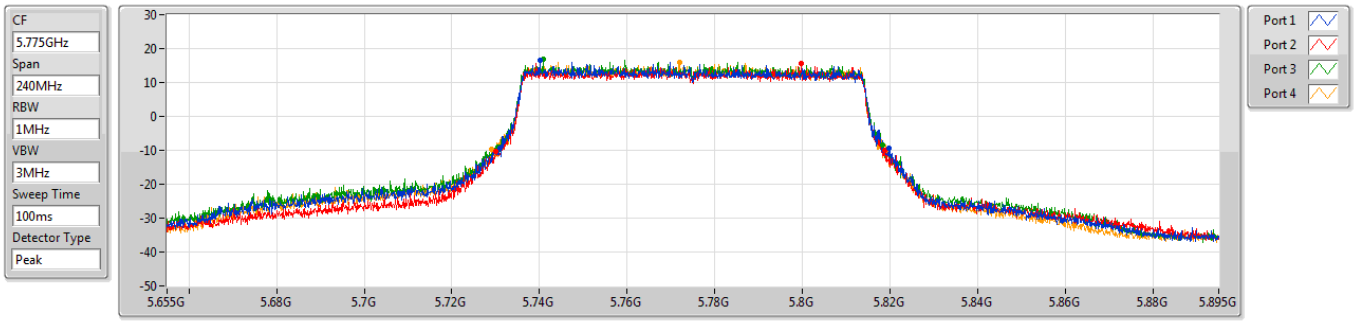
5775MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.88M	5.735928G	5.813808G	77.841M	5.736019G	5.813861G	500k	1
78.144M	5.735928G	5.814072G	77.721M	5.736139G	5.813861G	500k	2
77.88M	5.735928G	5.813808G	77.961M	5.7359G	5.813861G	500k	3
77.352M	5.736192G	5.813544G	77.721M	5.736019G	5.813741G	500k	4

5.725-5.85GHz_802.11be EHT80_Nss4,(MCS0)_4TX **EBW**

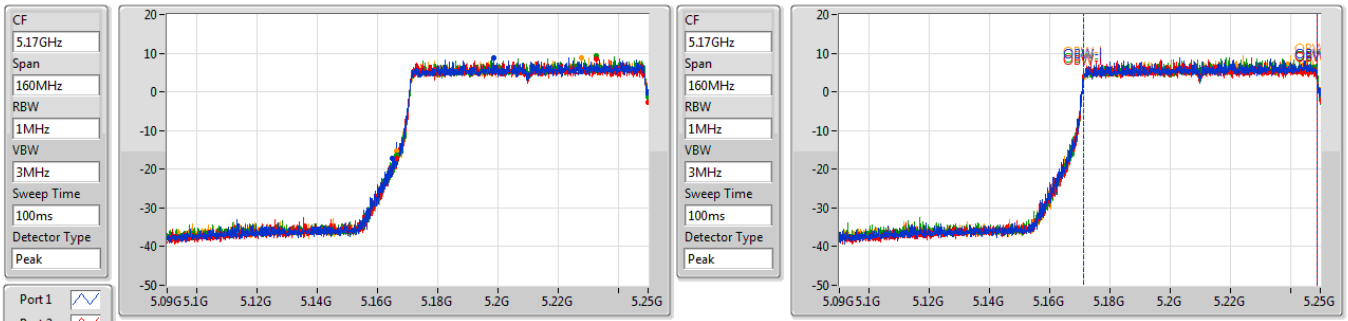
5775MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
88.56M	5.73108G	5.81964G	Inf	1
88.8M	5.73G	5.8188G	Inf	2
87.6M	5.7306G	5.8182G	Inf	3
89.88M	5.72916G	5.81904G	Inf	4

5.15-5.25GHz_802.11be EHT160_Nss4,(MCS0)_4TX **EBW**

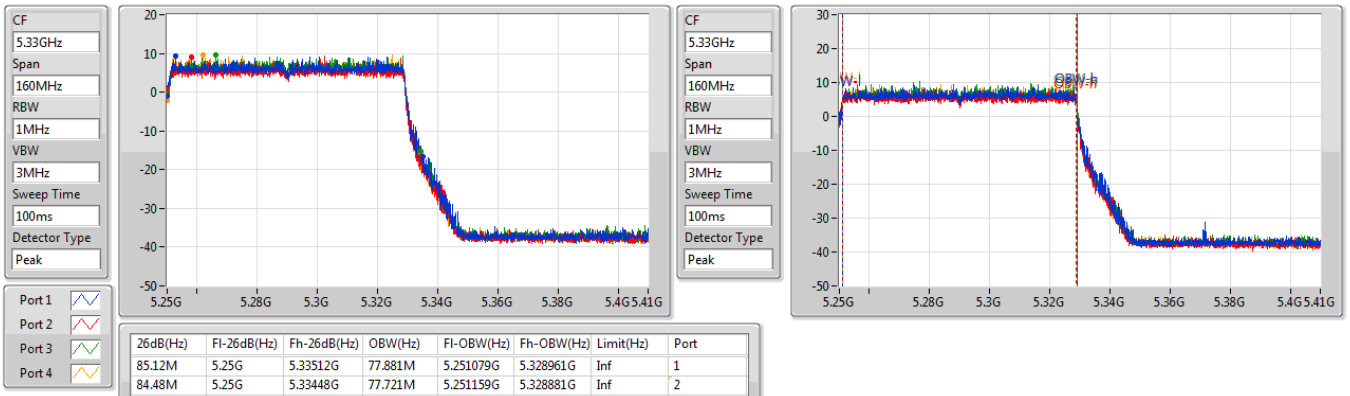
5250MHz Straddle 5.15-5.25GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.2M	5.1648G	5.25G	77.801M	5.171119G	5.248921G	Inf	1
83.84M	5.16616G	5.25G	77.721M	5.171119G	5.248841G	Inf	2
83.76M	5.16624G	5.25G	77.721M	5.171199G	5.248921G	Inf	3
83.84M	5.16616G	5.25G	77.721M	5.171199G	5.248921G	Inf	4

5.25-5.35GHz_802.11be EHT160_Nss4,(MCS0)_4TX **EBW**

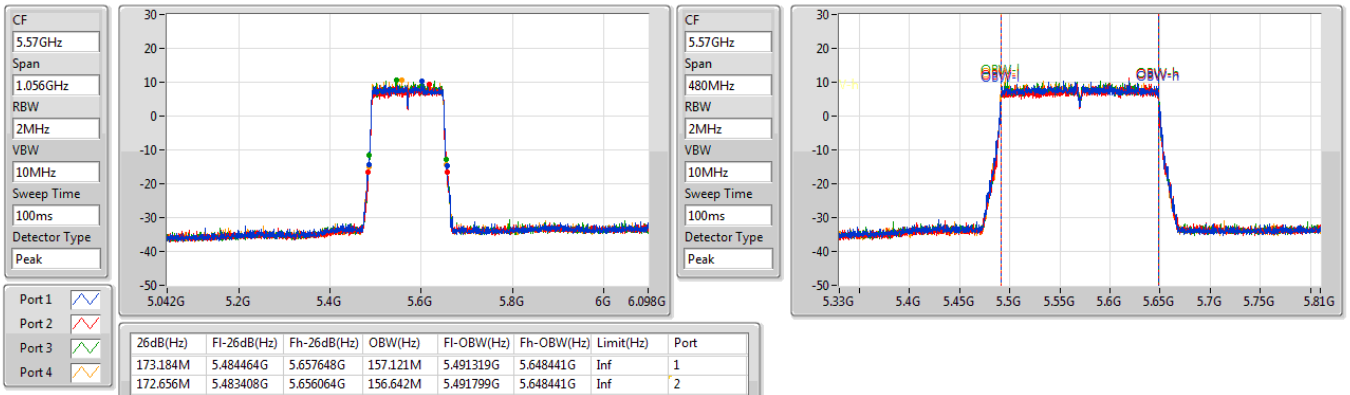
5250MHz Straddle 5.25-5.35GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.12M	5.25G	5.33512G	77.881M	5.251079G	5.328961G	Inf	1
84.48M	5.25G	5.33448G	77.721M	5.251159G	5.328881G	Inf	2
84.48M	5.25G	5.33448G	77.801M	5.251159G	5.328961G	Inf	3
84.32M	5.25G	5.33432G	77.721M	5.251079G	5.328801G	Inf	4

5.47-5.725GHz_802.11be EHT160_Nss4,(MCS0)_4TX **EBW**

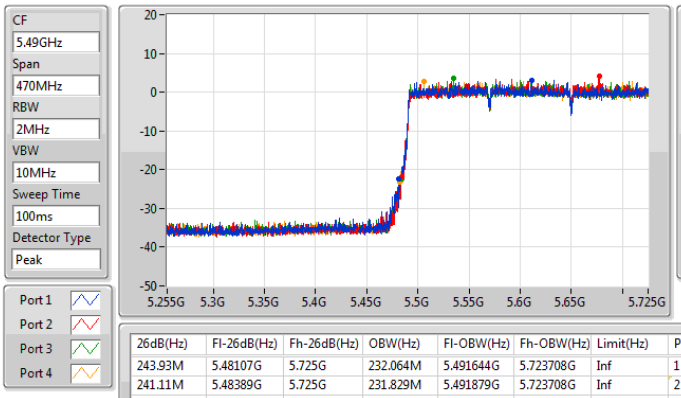
5570MHz

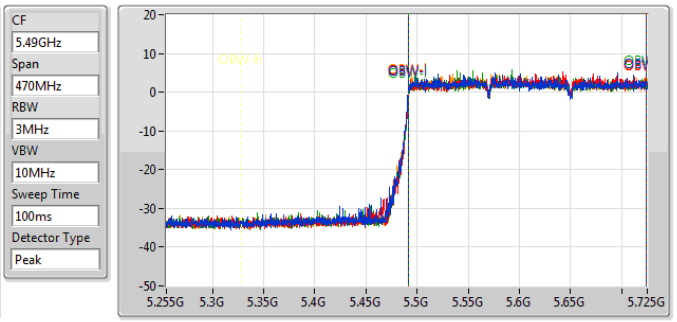


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
173.184M	5.484464G	5.657648G	157.121M	5.491319G	5.648441G	Inf	1
172.656M	5.483408G	5.656064G	156.642M	5.491799G	5.648441G	Inf	2
170.544M	5.484992G	5.655536G	156.882M	5.491559G	5.648441G	Inf	3
170.016M	5.484992G	5.655008G	157.121M	5.491319G	5.648441G	Inf	4

5.47-5.725GHz_be240_240MHz_Nss4,(MCS0)_4TX **EBW**

5610MHz Straddle 5.47-5.725GHz

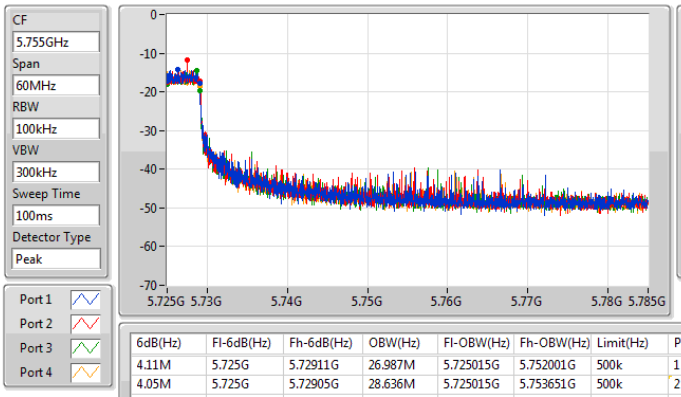


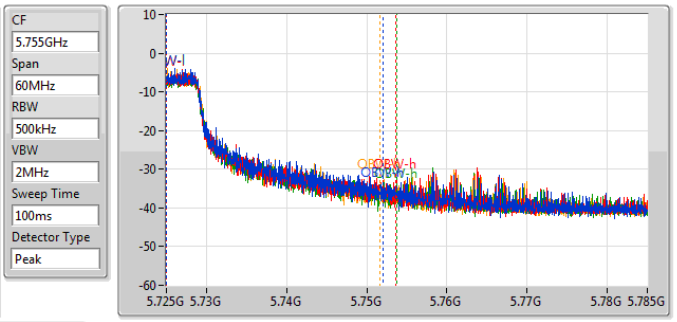


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
243.93M	5.48107G	5.725G	232.064M	5.491644G	5.723708G	Inf	1
241.11M	5.48389G	5.725G	231.829M	5.491879G	5.723708G	Inf	2
241.11M	5.48389G	5.725G	232.064M	5.491879G	5.723943G	Inf	3
243.225M	5.481775G	5.725G	232.299M	5.491644G	5.723943G	Inf	4

5.725-5.85GHz_be240_240MHz_Nss4,(MCS0)_4TX **EBW**

5610MHz Straddle 5.725-5.85GHz

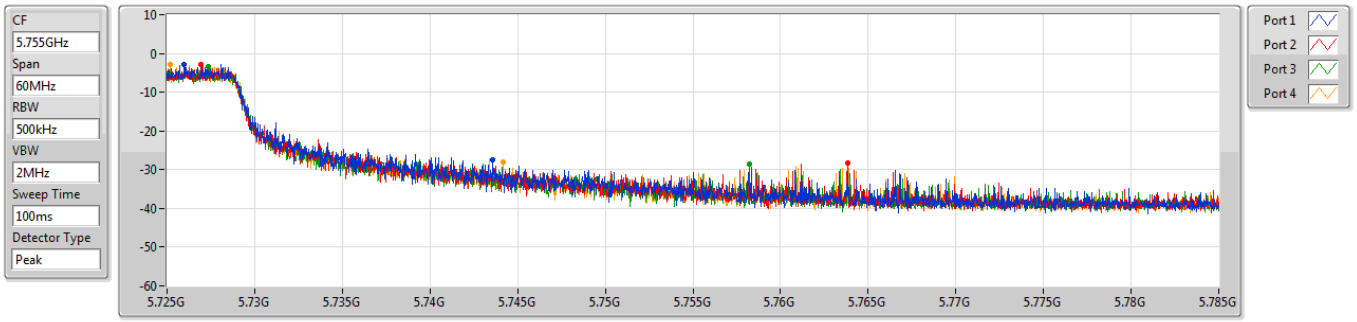




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.11M	5.725G	5.72911G	26.987M	5.725015G	5.752001G	500k	1
4.05M	5.725G	5.72905G	28.636M	5.725015G	5.753651G	500k	2
4.08M	5.725G	5.72908G	28.756M	5.725015G	5.753771G	500k	3
4.08M	5.725G	5.72908G	26.597M	5.725015G	5.751612G	500k	4

5.725-5.85GHz_be240_240MHz_Nss4,(MCS0)_4TX **EBW**

5610MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
18.57M	5.725G	5.74357G	Inf	1
38.82M	5.725G	5.76382G	Inf	2
33.21M	5.725G	5.75821G	Inf	3
19.2M	5.725G	5.7442G	Inf	4

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.50	0.17783	30.63	1.15611
802.11be EHT20_Nss4,(MCS0)_4TX	28.06	0.63973	35.34	3.41979
802.11be EHT40_Nss4,(MCS0)_4TX	28.06	0.63973	35.34	3.41979
802.11be EHT80_Nss4,(MCS0)_4TX	23.98	0.25003	31.26	1.33660
802.11be EHT160_Nss4,(MCS0)_4TX	20.68	0.11695	27.96	0.62517
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.39	0.04355	24.53	0.28379
802.11be EHT20_Nss4,(MCS0)_4TX	21.94	0.15631	29.50	0.89125
802.11be EHT40_Nss4,(MCS0)_4TX	21.71	0.14825	29.27	0.84528
802.11be EHT80_Nss4,(MCS0)_4TX	21.93	0.15596	29.49	0.88920
802.11be EHT160_Nss4,(MCS0)_4TX	21.02	0.12647	28.58	0.72111
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.47	0.04436	24.72	0.29648
802.11be EHT20_Nss4,(MCS0)_4TX	21.99	0.15812	29.36	0.86298
802.11be EHT40_Nss4,(MCS0)_4TX	22.14	0.16368	29.51	0.89331
802.11be EHT80_Nss4,(MCS0)_4TX	22.04	0.15996	29.41	0.87297
802.11be EHT160_Nss4,(MCS0)_4TX	21.97	0.15740	29.34	0.85901
be240_240MHz_Nss4,(MCS0)_4TX	17.32	0.05395	24.69	0.29444
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.49	0.44566	35.67	3.68978
802.11be EHT20_Nss4,(MCS0)_4TX	27.59	0.57412	35.23	3.33426
802.11be EHT40_Nss4,(MCS0)_4TX	27.83	0.60674	35.47	3.52371
802.11be EHT80_Nss4,(MCS0)_4TX	26.84	0.48306	34.48	2.80543
802.11be EHT240_Nss4,(MCS0)_4TX	-0.28	0.00094	7.36	0.00545

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	8.13	16.71	16.19	16.14	16.24	22.35	27.87	30.48	36.00
5200MHz	Pass	8.13	16.63	16.13	16.54	16.58	22.50	27.87	30.63	36.00
5240MHz	Pass	8.13	16.07	16.14	16.82	16.76	22.48	27.87	30.61	36.00
5260MHz	Pass	8.14	10.09	10.16	10.62	10.58	16.39	21.86	24.53	30.00
5300MHz	Pass	8.14	10.01	10.56	10.49	10.35	16.38	21.86	24.52	30.00
5320MHz	Pass	8.14	10.16	10.68	10.21	10.27	16.36	21.86	24.50	30.00
5500MHz	Pass	8.25	10.43	10.32	10.42	10.29	16.39	21.75	24.64	30.00
5580MHz	Pass	8.25	10.63	10.02	10.62	10.47	16.46	21.75	24.71	30.00
5700MHz	Pass	8.25	10.55	10.75	10.21	10.25	16.47	21.75	24.72	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.25	9.19	9.11	8.8	8.91	15.03	20.78	23.28	29.03
5720MHz Straddle 5.725-5.85GHz	Pass	9.18	3.13	3.13	2.67	3.08	9.03	26.82	18.21	36.00
5745MHz	Pass	9.18	20.45	20.02	20.55	20.64	26.44	26.82	35.62	36.00
5785MHz	Pass	9.18	20.39	20.18	20.66	20.46	26.45	26.82	35.63	36.00
5825MHz	Pass	9.18	20.43	20.46	20.52	20.46	26.49	26.82	35.67	36.00
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.28	20.64	20.26	20.42	20.06	26.37	28.72	33.65	36.00
5200MHz	Pass	7.28	22.16	21.56	22.19	22.22	28.06	28.72	35.34	36.00
5240MHz	Pass	7.28	21.97	21.23	22.06	22.02	27.85	28.72	35.13	36.00
5260MHz	Pass	7.56	16.12	15.45	16.02	16.07	21.94	22.44	29.50	30.00
5300MHz	Pass	7.56	15.78	15.75	15.97	15.66	21.81	22.44	29.37	30.00
5320MHz	Pass	7.56	15.61	15.95	15.65	15.49	21.70	22.44	29.26	30.00
5500MHz	Pass	7.37	15.86	15.92	16.06	16.02	21.99	22.63	29.36	30.00
5580MHz	Pass	7.37	16.02	15.56	16.12	16.08	21.97	22.63	29.34	30.00
5700MHz	Pass	7.37	15.84	16.39	15.88	15.63	21.96	22.63	29.33	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	14.81	14.77	14.28	14.49	20.61	21.67	27.98	29.04
5720MHz Straddle 5.725-5.85GHz	Pass	7.64	9.93	9.83	9.57	9.66	15.77	28.36	23.41	36.00
5745MHz	Pass	7.64	21.62	21.13	21.58	21.71	27.54	28.36	35.18	36.00
5785MHz	Pass	7.64	21.46	21.16	21.75	21.65	27.53	28.36	35.17	36.00
5825MHz	Pass	7.64	21.52	21.55	21.66	21.55	27.59	28.36	35.23	36.00
802.11be EHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.28	18.52	18.12	18.33	18.02	24.27	28.72	31.55	36.00
5230MHz	Pass	7.28	22.09	21.55	22.22	22.27	28.06	28.72	35.34	36.00
5270MHz	Pass	7.56	15.36	15.48	16.05	15.82	21.71	22.44	29.27	30.00
5310MHz	Pass	7.56	15.57	15.76	15.84	15.53	21.70	22.44	29.26	30.00
5510MHz	Pass	7.37	15.98	15.95	15.96	15.83	21.95	22.63	29.32	30.00
5590MHz	Pass	7.37	16.45	15.66	16.17	16.04	22.11	22.63	29.48	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5670MHz	Pass	7.37	16.2	16.62	15.86	15.75	22.14	22.63	29.51	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.37	16.15	16.28	16.18	15.85	22.14	22.63	29.51	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.64	7.27	7.21	7.23	6.71	13.13	28.36	20.77	36.00
5755MHz	Pass	7.64	21.58	21.23	21.95	21.72	27.65	28.36	35.29	36.00
5795MHz	Pass	7.64	21.6	21.71	22.02	21.89	27.83	28.36	35.47	36.00
802.11be EHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.28	18.13	17.52	18.13	18.02	23.98	28.72	31.26	36.00
5290MHz	Pass	7.56	15.85	16.05	16.06	15.65	21.93	22.44	29.49	30.00
5530MHz	Pass	7.37	16.02	15.65	16.15	16.12	22.01	22.63	29.38	30.00
5610MHz	Pass	7.37	16.22	15.84	16.02	15.92	22.02	22.63	29.39	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.37	15.89	16.41	16.04	15.72	22.04	22.63	29.41	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.64	3.41	3.62	3.49	3.2	9.45	28.36	17.09	36.00
5775MHz	Pass	7.64	20.78	20.42	21.22	20.83	26.84	28.36	34.48	36.00
802.11be EHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.28	14.73	14.43	14.69	14.77	20.68	28.72	27.96	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	7.56	14.86	14.53	15.46	15.11	21.02	22.44	28.58	30.00
5570MHz	Pass	7.37	16.14	15.65	15.97	16.01	21.97	22.63	29.34	30.00
802.11be EHT240_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5610MHz Straddle 5.47-5.725GHz	Pass	7.37	11.24	11.43	11.20	11.32	17.32	22.63	24.69	30.00
5610MHz Straddle 5.725-5.85GHz	Pass	7.64	-6.20	-6.34	-6.28	-6.39	-0.28	28.36	7.36	36.00

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

Directional Gain for 802.11a

Antenna	Antenna Gain (dBi)			
	5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz
5	7.92	8	7.57	6.63
6	5.7	6.51	6.67	7.73
7	7.11	8.12	8.25	9.18
8	6.01	6.94	6.47	7.31
9	8.02	7.45	6.82	6.44
10	8.13	8.14	8.2	7.74
Directional Gain	8.13	8.14	8.25	9.18
Power limit (Antenna gain <= 6dBi)	30	24	24	30
Power limit (Antenna gain > 6dBi)	27.87	21.86	21.75	26.82

Note 1: Directional Gain = Max gain of all antennas
Note 2: Limit is reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

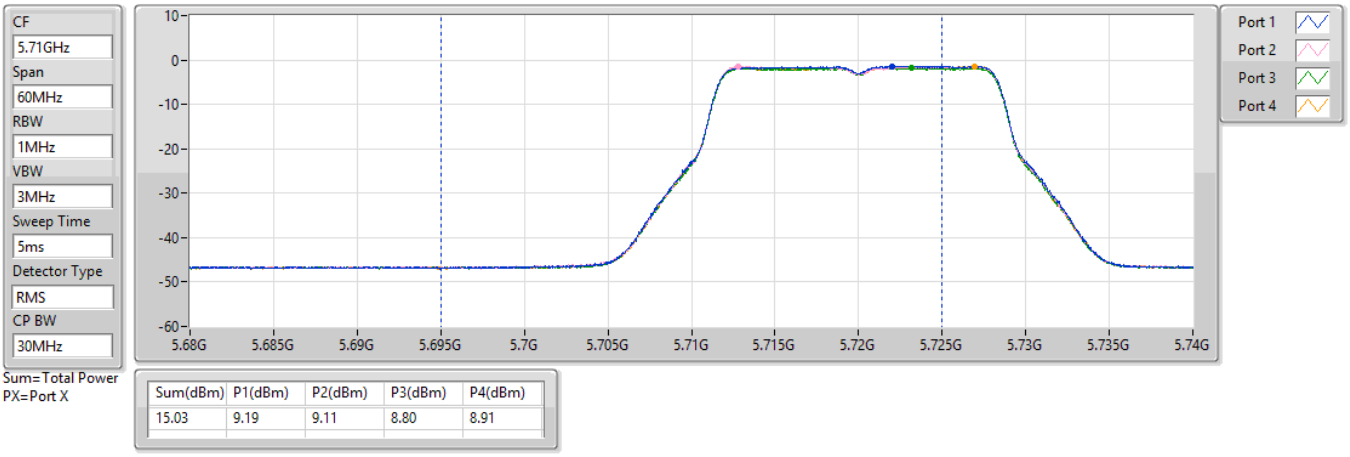
Directional Gain for 802.11be

Antenna	Antenna Gain (dBi)			
	5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz
5	7.92	8	7.57	6.63
6	5.7	6.51	6.67	7.73
7	7.11	8.12	8.25	9.18
8	6.01	6.94	6.47	7.31
9	8.02	7.45	6.82	6.44
10	8.13	8.14	8.2	7.74
Directional Gain (Antenna 5/6/7/9)	7.28	7.56	7.37	7.64
Directional Gain** (Antenna 5/6/8/10)	7.08	7.45	7.28	7.38
Power limit (Antenna gain <= 6dBi)	30	24	24	30
Power limit (Antenna gain > 6dBi)	28.72	22.44	22.63	28.36

Note 1: Directional gain = 10 log[$(10^{G1/10}+10^{G2/10}+\ldots+10^{Gn/10})/N_{ANT}$
Note 2: Limit is reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TX

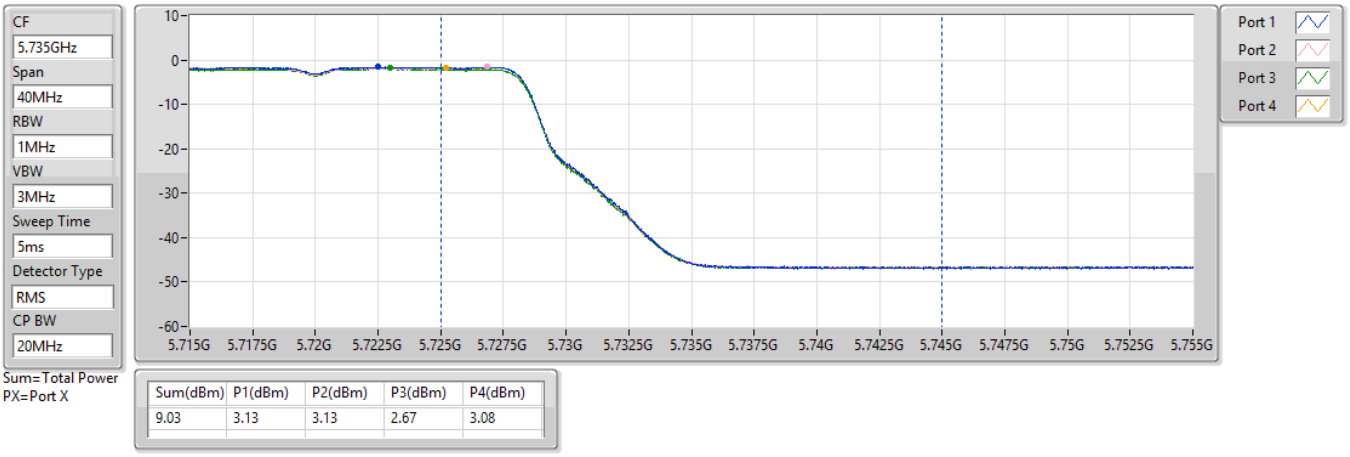


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.03	9.19	9.11	8.80	8.91

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TX

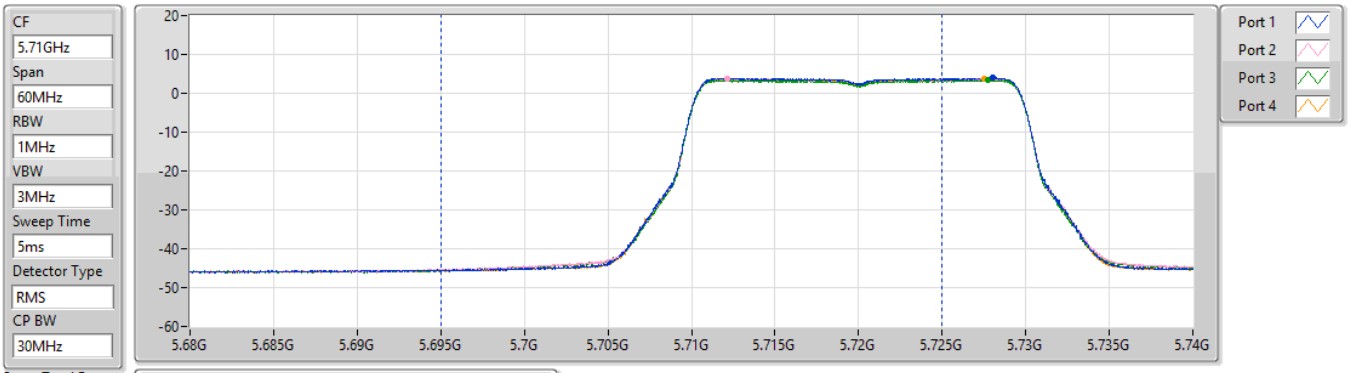


Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.03	3.13	3.13	2.67	3.08

5.47-5.725GHz_802.11be EHT20_Nss4,(MCS0)_4TX **AV Power**

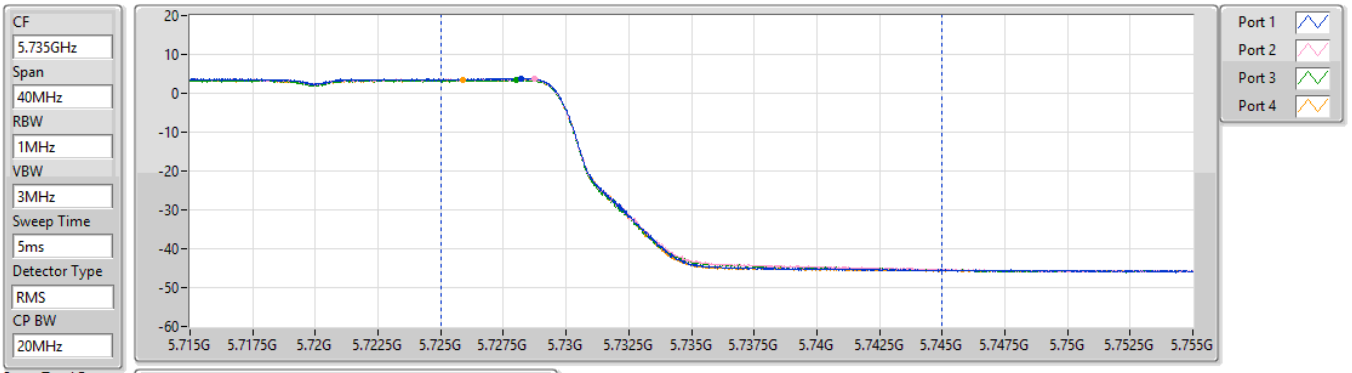
5720MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.61	14.81	14.77	14.28	14.49

5.725-5.85GHz_802.11be EHT20_Nss4,(MCS0)_4TX **AV Power**

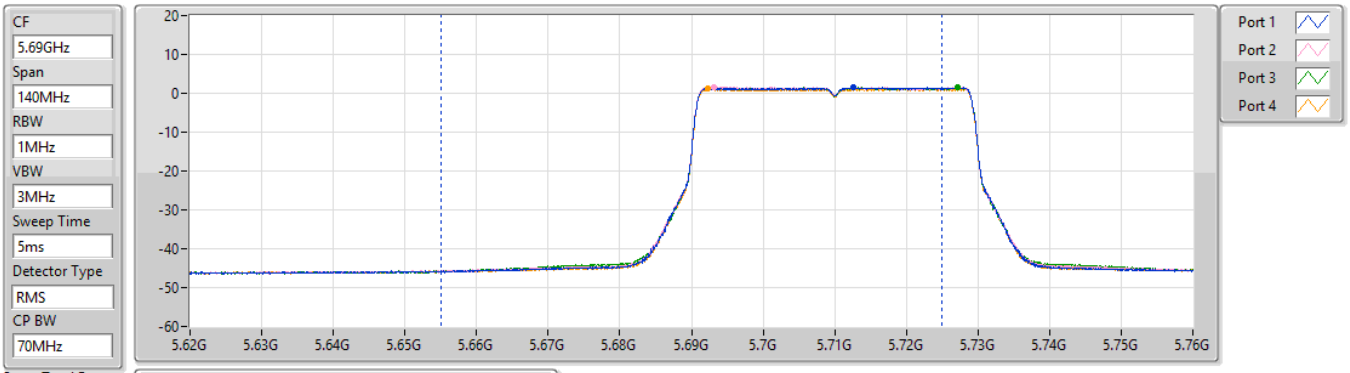
5720MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.77	9.93	9.83	9.57	9.66

5.47-5.725GHz_802.11be EHT40_Nss4,(MCS0)_4TX **AV Power**

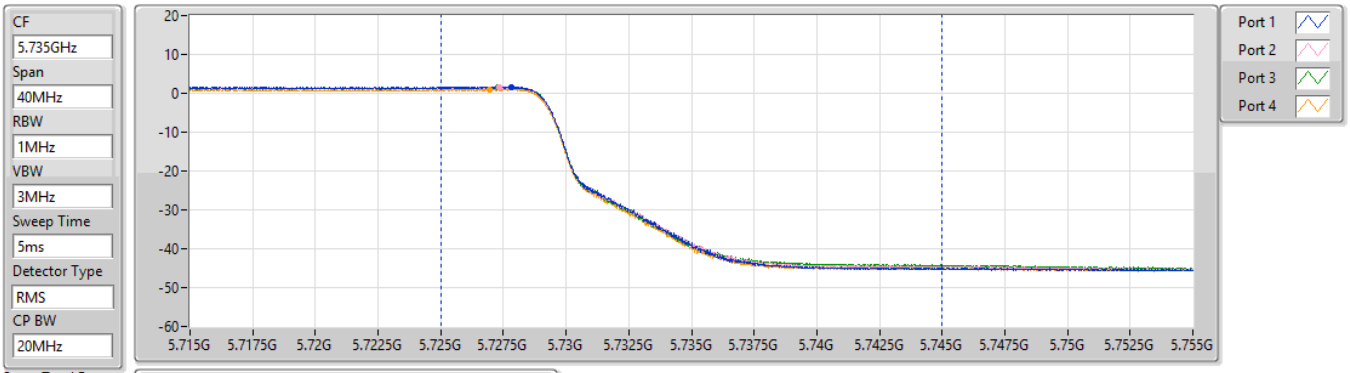
5710MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.14	16.15	16.28	16.18	15.85

5.725-5.85GHz_802.11be EHT40_Nss4,(MCS0)_4TX **AV Power**

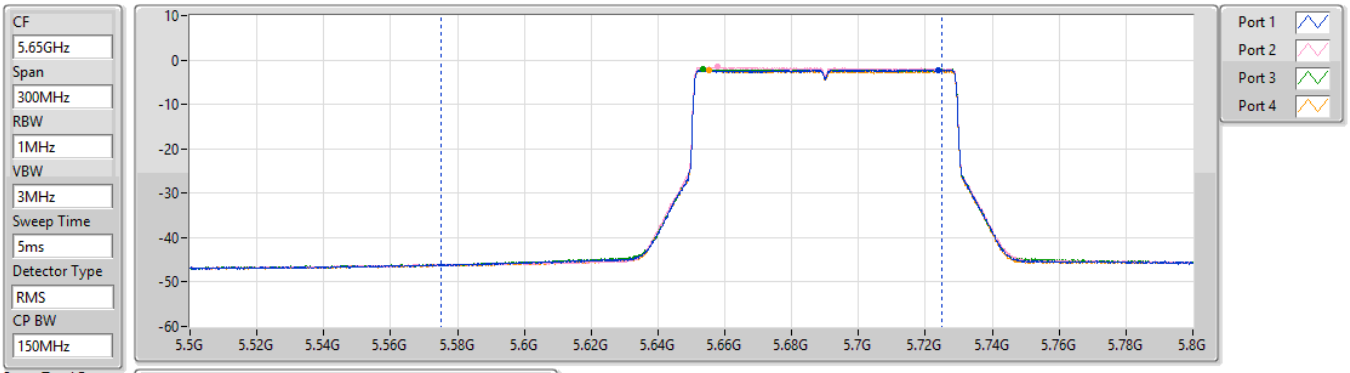
5710MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.13	7.27	7.21	7.23	6.71

5.47-5.725GHz_802.11be EHT80_Nss4,(MCS0)_4TX **AV Power**

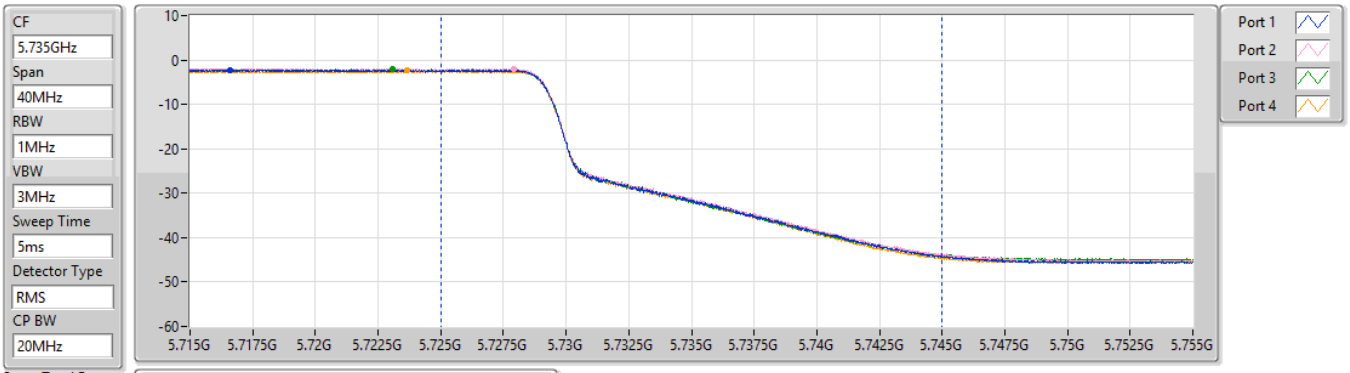
5690MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.04	15.89	16.41	16.04	15.72

5.725-5.85GHz_802.11be EHT80_Nss4,(MCS0)_4TX **AV Power**

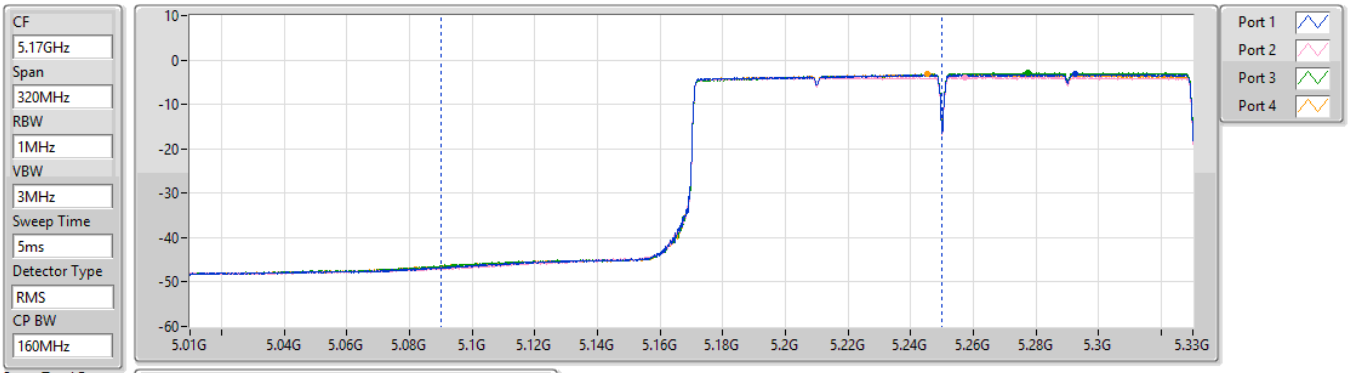
5690MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.45	3.41	3.62	3.49	3.20

5.15-5.25GHz_802.11be EHT160_Nss4,(MCS0)_4TX **AV Power**

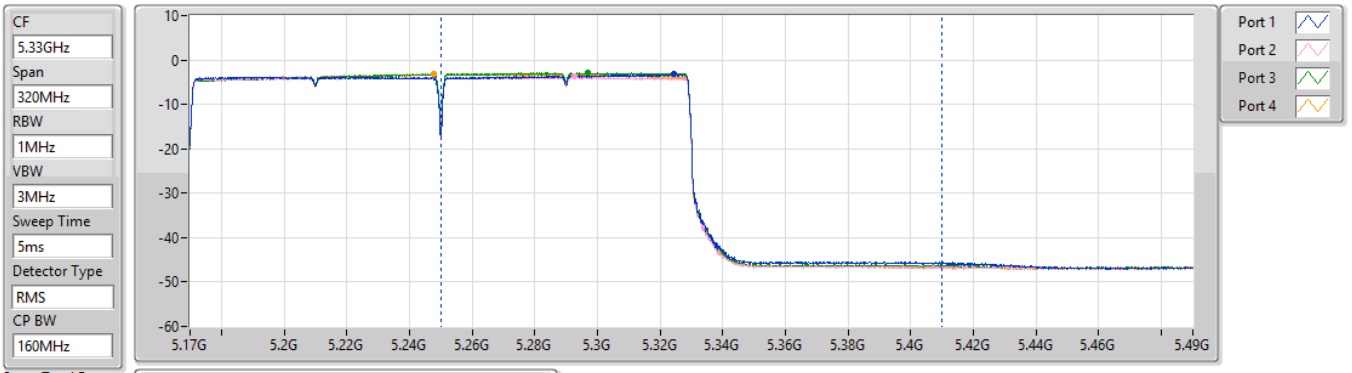
5250MHz Straddle 5.15-5.25GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.68	14.73	14.43	14.69	14.77

5.25-5.35GHz_802.11be EHT160_Nss4,(MCS0)_4TX **AV Power**

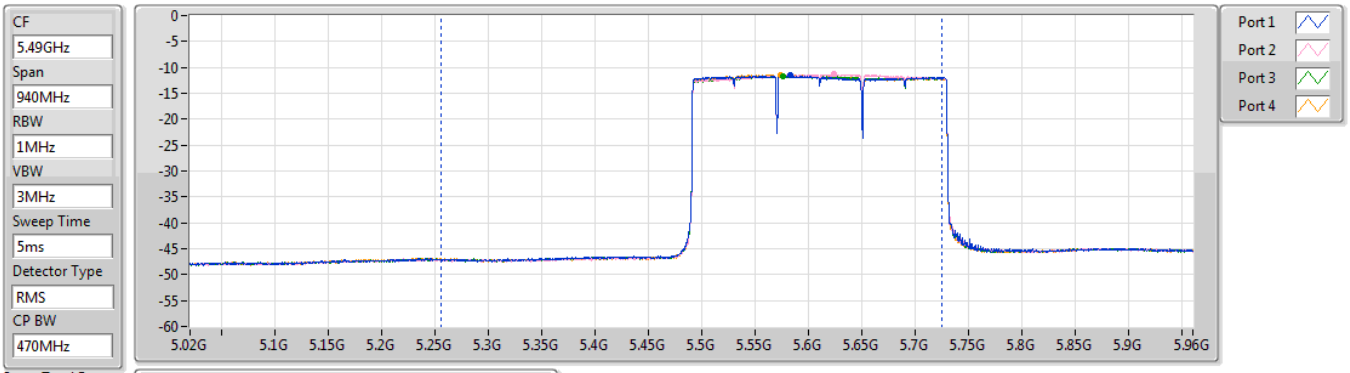
5250MHz Straddle 5.25-5.35GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.02	14.86	14.53	15.46	15.11

5.47-5.725GHz_be240_240MHz_Nss4,(MCS0)_4TX **AV Power**

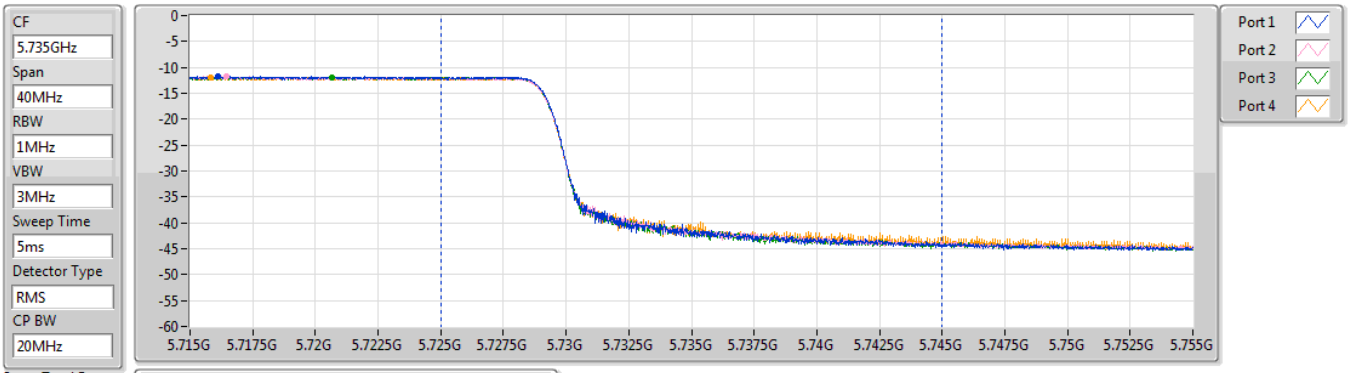
5610MHz Straddle 5.47-5.725GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.32	11.24	11.43	11.20	11.32

5.725-5.85GHz_be240_240MHz_Nss4,(MCS0)_4TX **AV Power**

5610MHz Straddle 5.725-5.85GHz_TX



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
-0.28	-6.20	-6.34	-6.28	-6.39

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11be EHT20-BF_Nss4,(MCS0)_4TX	22.04	0.15996	29.32	0.85507
802.11be EHT40-BF_Nss4,(MCS0)_4TX	22.04	0.15996	29.32	0.85507
802.11be EHT80-BF_Nss4,(MCS0)_4TX	17.96	0.06252	25.24	0.33420
802.11be EHT160-BF_Nss4,(MCS0)_4TX	14.66	0.02924	21.94	0.15631
5.25-5.35GHz	-	-	-	-
802.11be EHT20-BF_Nss4,(MCS0)_4TX	15.92	0.03908	23.48	0.22284
802.11be EHT40-BF_Nss4,(MCS0)_4TX	15.69	0.03707	23.25	0.21135
802.11be EHT80-BF_Nss4,(MCS0)_4TX	15.91	0.03899	23.47	0.22233
802.11be EHT160-BF_Nss4,(MCS0)_4TX	15.00	0.03162	22.56	0.18030
5.47-5.725GHz	-	-	-	-
802.11be EHT20-BF_Nss4,(MCS0)_4TX	15.97	0.03954	23.34	0.21577
802.11be EHT40-BF_Nss4,(MCS0)_4TX	16.12	0.04093	23.49	0.22336
802.11be EHT80-BF_Nss4,(MCS0)_4TX	16.02	0.03999	23.39	0.21827
802.11be EHT160-BF_Nss4,(MCS0)_4TX	15.95	0.03936	23.32	0.21478
be240,BF_240MHz_Nss4,(MCS0)_4TX	11.30	0.01349	18.67	0.07362
5.725-5.85GHz	-	-	-	-
802.11be EHT20-BF_Nss4,(MCS0)_4TX	21.57	0.14355	29.21	0.83368
802.11be EHT40-BF_Nss4,(MCS0)_4TX	21.81	0.15171	29.45	0.88105
802.11be EHT80-BF_Nss4,(MCS0)_4TX	20.82	0.12078	28.46	0.70146
802.11be EHT240-BF_Nss4,(MCS0)_4TX	-6.30	0.00023	1.34	0.00136

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT20-BF_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.28	14.62	14.24	14.4	14.04	20.35	28.72	27.63	36.00
5200MHz	Pass	7.28	16.14	15.54	16.17	16.2	22.04	28.72	29.32	36.00
5240MHz	Pass	7.28	15.95	15.21	16.04	16	21.83	28.72	29.11	36.00
5260MHz	Pass	7.56	10.1	9.43	10	10.05	15.92	22.44	23.48	30.00
5300MHz	Pass	7.56	9.76	9.73	9.95	9.64	15.79	22.44	23.35	30.00
5320MHz	Pass	7.56	9.59	9.93	9.63	9.47	15.68	22.44	23.24	30.00
5500MHz	Pass	7.37	9.84	9.9	10.04	10	15.97	22.63	23.34	30.00
5580MHz	Pass	7.37	10	9.54	10.1	10.06	15.95	22.63	23.32	30.00
5700MHz	Pass	7.37	9.82	10.37	9.86	9.61	15.94	22.63	23.31	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	8.79	8.75	8.26	8.47	14.59	21.67	21.96	29.04
5720MHz Straddle 5.725-5.85GHz	Pass	7.64	3.91	3.81	3.55	3.64	9.75	28.36	17.39	36.00
5745MHz	Pass	7.64	15.6	15.11	15.56	15.69	21.52	28.36	29.16	36.00
5785MHz	Pass	7.64	15.44	15.14	15.73	15.63	21.51	28.36	29.15	36.00
5825MHz	Pass	7.64	15.5	15.53	15.64	15.53	21.57	28.36	29.21	36.00
802.11be EHT40-BF_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.28	12.5	12.1	12.31	12	18.25	28.72	25.53	36.00
5230MHz	Pass	7.28	16.07	15.53	16.2	16.25	22.04	28.72	29.32	36.00
5270MHz	Pass	7.56	9.34	9.46	10.03	9.8	15.69	22.44	23.25	30.00
5310MHz	Pass	7.56	9.55	9.74	9.82	9.51	15.68	22.44	23.24	30.00
5510MHz	Pass	7.37	9.96	9.93	9.94	9.81	15.93	22.63	23.30	30.00
5590MHz	Pass	7.37	10.43	9.64	10.15	10.02	16.09	22.63	23.46	30.00
5670MHz	Pass	7.37	10.18	10.6	9.84	9.73	16.12	22.63	23.49	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.37	10.13	10.26	10.16	9.83	16.12	22.63	23.49	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.64	1.25	1.19	1.21	0.69	7.11	28.36	14.75	36.00
5755MHz	Pass	7.64	15.56	15.21	15.93	15.7	21.63	28.36	29.27	36.00
5795MHz	Pass	7.64	15.58	15.69	16	15.87	21.81	28.36	29.45	36.00
802.11be EHT80-BF_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.28	12.11	11.5	12.11	12	17.96	28.72	25.24	36.00
5290MHz	Pass	7.56	9.83	10.03	10.04	9.63	15.91	22.44	23.47	30.00
5530MHz	Pass	7.37	10	9.63	10.13	10.1	15.99	22.63	23.36	30.00
5610MHz	Pass	7.37	10.2	9.82	10	9.9	16.00	22.63	23.37	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.37	9.87	10.39	10.02	9.7	16.02	22.63	23.39	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.64	-2.61	-2.4	-2.53	-2.82	3.43	28.36	11.07	36.00
5775MHz	Pass	7.64	14.76	14.4	15.2	14.81	20.82	28.36	28.46	36.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11be EHT160-BF_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.28	8.71	8.41	8.67	8.75	14.66	28.72	21.94	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	7.56	8.84	8.51	9.44	9.09	15.00	22.44	22.56	30.00
5570MHz	Pass	7.37	10.12	9.63	9.95	9.99	15.95	22.63	23.32	30.00
802.11be EHT240-BF_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5610MHz Straddle 5.47-5.725GHz	Pass	7.37	5.22	5.41	5.18	5.3	11.30	22.63	18.67	30.00
5610MHz Straddle 5.725-5.85GHz	Pass	7.64	-12.22	-12.36	-12.3	-12.41	-6.30	28.36	1.34	36.00

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

Directional Gain

Antenna	Antenna Gain (dBi)			
	5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz
5	7.92	8	7.57	6.63
6	5.7	6.51	6.67	7.73
7	7.11	8.12	8.25	9.18
8	6.01	6.94	6.47	7.31
9	8.02	7.45	6.82	6.44
10	8.13	8.14	8.2	7.74
Directional Gain (Antenna 5/6/7/9)	7.28	7.56	7.37	7.64
Directional Gain** (Antenna 5/6/8/10)	7.08	7.45	7.28	7.38
Power limit (Antenna gain <= 6dBi)	30	24	24	30
Power limit (Antenna gain > 6dBi)	28.72	22.44	22.63	28.36

Note 1: Directional gain = 10 log[($10^{G1/10}$+$10^{G2/10}$+…+$10^{Gn/10}$)/N_{ANT}

Note 2: Limit is reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	9.05	22.31
802.11be EHT20_Nss4,(MCS0)_4TX	14.37	21.65
802.11be EHT40_Nss4,(MCS0)_4TX	11.85	19.13
802.11be EHT80_Nss4,(MCS0)_4TX	4.86	12.14
802.11be EHT160_Nss4,(MCS0)_4TX	1.49	8.77
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	2.88	16.44
802.11be EHT20_Nss4,(MCS0)_4TX	8.15	15.71
802.11be EHT40_Nss4,(MCS0)_4TX	5.27	12.83
802.11be EHT80_Nss4,(MCS0)_4TX	2.57	10.13
802.11be EHT160_Nss4,(MCS0)_4TX	1.64	9.20
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	3.10	16.47
802.11be EHT20_Nss4,(MCS0)_4TX	8.48	15.85
802.11be EHT40_Nss4,(MCS0)_4TX	5.93	13.30
802.11be EHT80_Nss4,(MCS0)_4TX	2.93	10.30
802.11be EHT160_Nss4,(MCS0)_4TX	-0.30	7.07
be240_240MHz_Nss4,(MCS0)_4TX	-7.15	0.22
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	12.31	25.90
802.11be EHT20_Nss4,(MCS0)_4TX	12.91	20.55
802.11be EHT40_Nss4,(MCS0)_4TX	9.87	17.51
802.11be EHT80_Nss4,(MCS0)_4TX	5.73	13.37
802.11be EHT240_Nss4,(MCS0)_4TX	-8.92	-1.28

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)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	13.26	3.54	2.94	2.87	2.84	8.96	9.74	22.22	23.00
5200MHz	Pass	13.26	3.20	2.81	3.34	3.38	9.05	9.74	22.31	23.00
5240MHz	Pass	13.26	2.71	2.85	3.52	3.57	8.99	9.74	22.25	23.00
5260MHz	Pass	13.56	-3.30	-3.05	-2.90	-2.65	2.88	3.44	16.44	17.00
5300MHz	Pass	13.56	-3.23	-2.56	-2.89	-2.97	2.88	3.44	16.44	17.00
5320MHz	Pass	13.56	-3.23	-2.61	-3.11	-3.01	2.86	3.44	16.42	17.00
5500MHz	Pass	13.37	-2.84	-3.12	-2.67	-2.96	2.94	3.63	16.31	17.00
5580MHz	Pass	13.37	-3.02	-3.07	-2.51	-2.67	3.05	3.63	16.42	17.00
5700MHz	Pass	13.37	-2.57	-2.51	-3.24	-3.04	3.10	3.63	16.47	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	13.37	-2.74	-2.82	-3.17	-3.06	2.92	3.63	16.29	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	13.59	-4.48	-4.41	-4.91	-4.47	1.35	22.41	14.94	36.00
5745MHz	Pass	13.59	6.37	5.65	6.37	6.60	12.07	22.41	25.66	36.00
5785MHz	Pass	13.59	6.20	5.89	6.63	6.51	12.18	22.41	25.77	36.00
5825MHz	Pass	13.59	6.35	6.54	6.47	6.34	12.31	22.41	25.90	36.00
802.11be EHT20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.28	7.28	6.62	6.75	6.82	12.79	15.72	20.07	23.00
5200MHz	Pass	7.28	8.69	8.00	8.86	8.69	14.37	15.72	21.65	23.00
5240MHz	Pass	7.28	8.30	7.72	8.56	8.23	14.06	15.72	21.34	23.00
5260MHz	Pass	7.56	2.58	2.00	2.63	2.47	8.15	9.44	15.71	17.00
5300MHz	Pass	7.56	2.17	1.97	2.35	2.10	8.01	9.44	15.57	17.00
5320MHz	Pass	7.56	2.08	2.32	2.00	1.82	7.92	9.44	15.48	17.00
5500MHz	Pass	7.37	2.63	2.66	2.70	2.68	8.48	9.63	15.85	17.00
5580MHz	Pass	7.37	2.94	2.09	2.76	2.80	8.44	9.63	15.81	17.00
5700MHz	Pass	7.37	2.62	2.69	2.24	2.13	8.24	9.63	15.61	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	2.45	2.63	2.12	2.20	8.20	9.63	15.57	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	7.64	1.30	0.95	0.92	0.72	6.74	28.36	14.38	36.00
5745MHz	Pass	7.64	6.88	6.37	7.11	7.06	12.65	28.36	20.29	36.00
5785MHz	Pass	7.64	6.85	6.51	7.43	7.45	12.77	28.36	20.41	36.00
5825MHz	Pass	7.64	7.20	7.03	7.01	7.37	12.91	28.36	20.55	36.00
802.11be EHT40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.28	2.51	1.80	2.27	2.06	8.04	15.72	15.32	23.00
5230MHz	Pass	7.28	6.09	5.36	6.33	6.42	11.85	15.72	19.13	23.00
5270MHz	Pass	7.56	-0.41	-1.06	-0.51	-0.50	5.23	9.44	12.79	17.00
5310MHz	Pass	7.56	-0.47	-0.50	-0.27	-0.70	5.27	9.44	12.83	17.00
5510MHz	Pass	7.37	-0.45	-0.59	-0.23	-0.18	5.46	9.63	12.83	17.00
5590MHz	Pass	7.37	0.24	-0.37	0.11	-0.04	5.77	9.63	13.14	17.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5670MHz	Pass	7.37	-0.20	0.43	-0.43	-0.48	5.65	9.63	13.02	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	7.37	0.14	0.34	0.06	-0.20	5.93	9.63	13.30	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	7.64	-1.11	-1.28	-1.32	-1.53	4.52	28.36	12.16	36.00
5755MHz	Pass	7.64	4.03	3.26	4.12	4.05	9.67	28.36	17.31	36.00
5795MHz	Pass	7.64	3.97	3.73	4.31	4.11	9.87	28.36	17.51	36.00
802.11be EHT80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.28	-0.89	-1.75	-0.62	-0.83	4.86	15.72	12.14	23.00
5290MHz	Pass	7.56	-3.28	-3.20	-2.93	-3.34	2.57	9.44	10.13	17.00
5530MHz	Pass	7.37	-3.15	-3.65	-3.01	-2.86	2.67	9.63	10.04	17.00
5610MHz	Pass	7.37	-2.97	-3.38	-3.14	-3.07	2.59	9.63	9.96	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	7.37	-3.09	-2.51	-2.94	-3.22	2.93	9.63	10.30	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	7.64	-5.08	-4.97	-4.88	-5.32	0.77	28.36	8.41	36.00
5775MHz	Pass	7.64	-0.17	-0.72	0.50	0.20	5.73	28.36	13.37	36.00
802.11be EHT160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	7.28	-4.20	-4.90	-4.07	-4.15	1.49	15.72	8.77	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	7.56	-4.03	-4.78	-3.68	-4.11	1.64	9.44	9.20	17.00
5570MHz	Pass	7.37	-5.95	-6.40	-6.00	-5.78	-0.30	9.63	7.07	17.00
802.11be EHT240_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5610MHz Straddle 5.47-5.725GHz	Pass	7.37	-13.05	-12.81	-13.14	-12.86	-7.15	9.63	0.22	17.00
5610MHz Straddle 5.725-5.85GHz	Pass	7.64	-14.52	-14.55	-14.62	-14.97	-8.92	28.36	-1.28	36.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

Directional Gain for 802.11a

Antenna	Antenna Gain (dBi)			
	5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz
5	7.92	8	7.57	6.63
6	5.7	6.51	6.67	7.73
7	7.11	8.12	8.25	9.18
8	6.01	6.94	6.47	7.31
9	8.02	7.45	6.82	6.44
10	8.13	8.14	8.2	7.74
Directional Gain (Antenna 5/6/7/9)	13.26	13.56	13.37	13.59
Directional Gain** (Antenna 5/6/8/10)	13.03	13.45	13.28	13.38
PSD limit (Antenna gain <= 6dBi)	17.00	11.00	11.00	30.00
PSD limit (Antenna gain > 6dBi)	9.74	3.44	3.63	22.41

Note 1: Directional gain = 10 log[$(10^{G1/20}+10^{G2/20}+\ldots+10^{Gn/20})^2/N_{ANT}$

Note 2: Limit is reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

Directional Gain for 802.11be

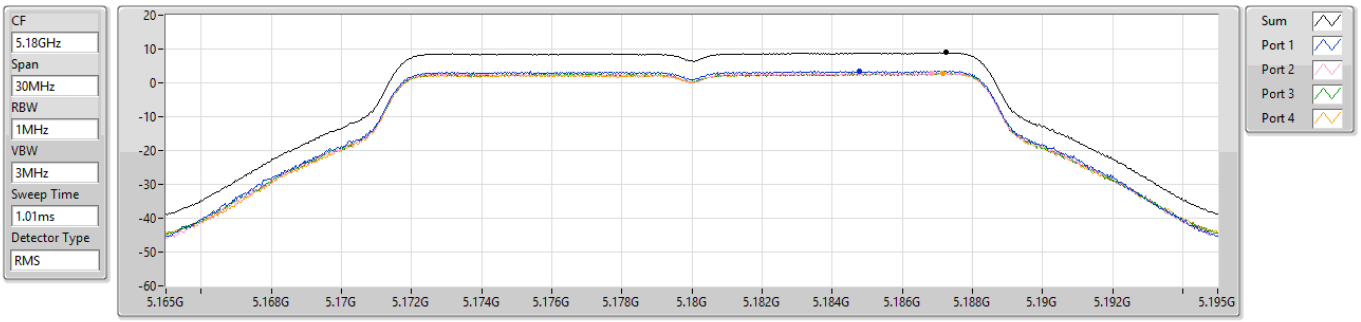
Antenna	Antenna Gain (dBi)			
	5150 ~ 5250 MHz	5250 ~ 5350 MHz	5470 ~ 5725 MHz	5725 ~ 5850 MHz
5	7.92	8	7.57	6.63
6	5.7	6.51	6.67	7.73
7	7.11	8.12	8.25	9.18
8	6.01	6.94	6.47	7.31
9	8.02	7.45	6.82	6.44
10	8.13	8.14	8.2	7.74
Directional Gain (Antenna 5/6/7/9)	7.28	7.56	7.37	7.64
Directional Gain** (Antenna 5/6/8/10)	7.08	7.45	7.28	7.38
PSD limit (Antenna gain <= 6dBi)	17.00	11.00	11.00	30.00
PSD limit (Antenna gain > 6dBi)	15.72	9.44	9.63	28.36

Note 1: Directional gain = 10 log[$(10^{G1/10}+10^{G2/10}+\ldots+10^{Gn/10})/N_{ANT}$

Note 2: Limit is reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

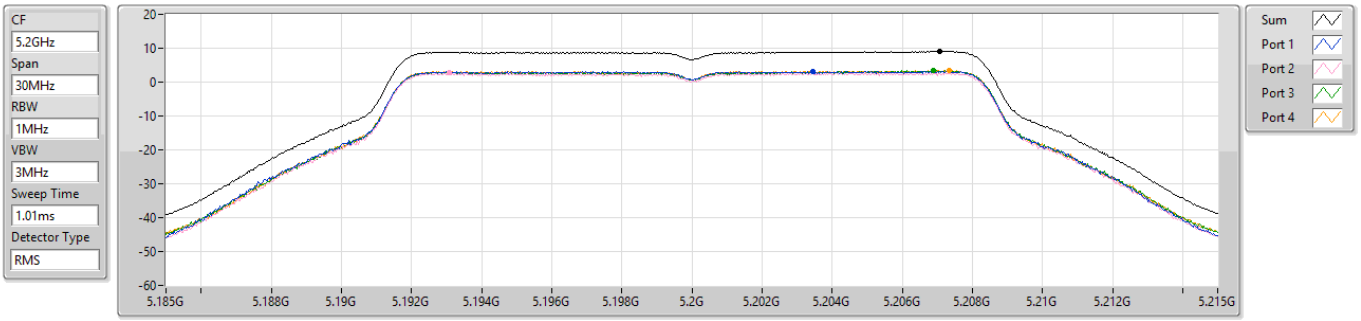
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.96	8.96	3.54	2.94	2.87	2.84

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

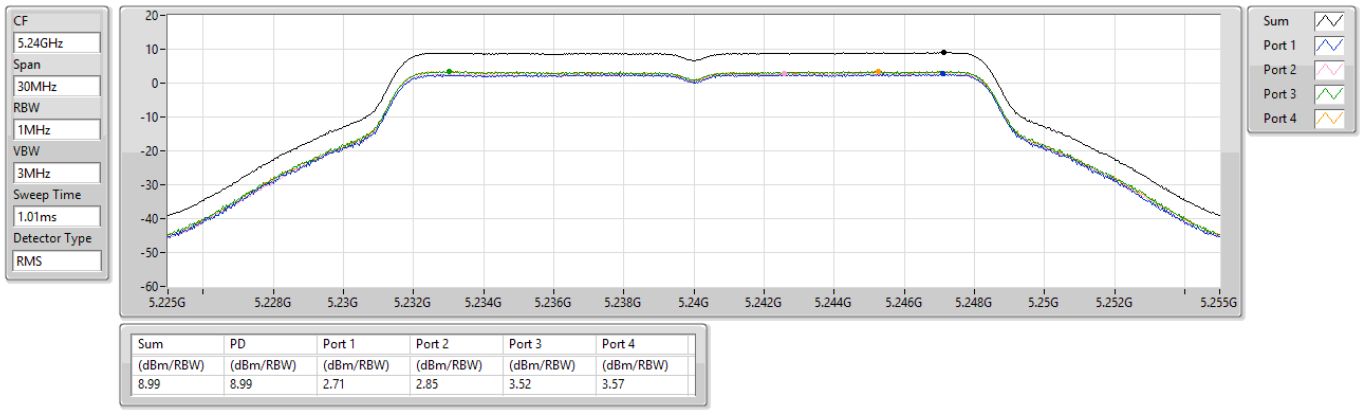
5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.05	9.05	3.20	2.81	3.34	3.38

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

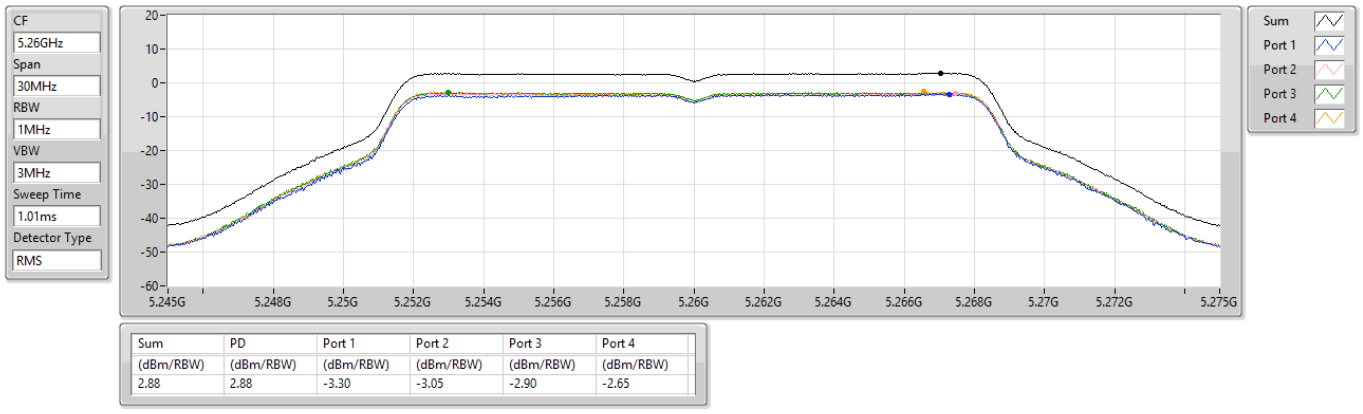
5240MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	2.71	2.85	3.52	3.57

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

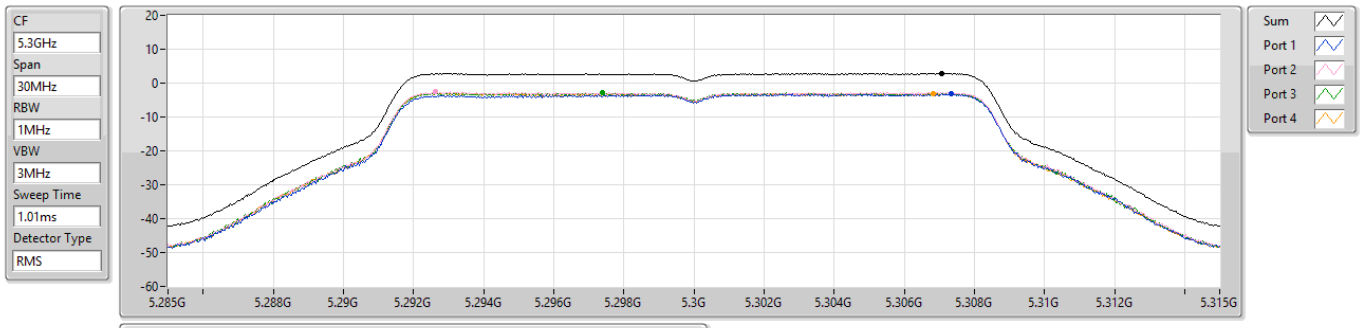
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	-3.30	-3.05	-2.90	-2.65

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

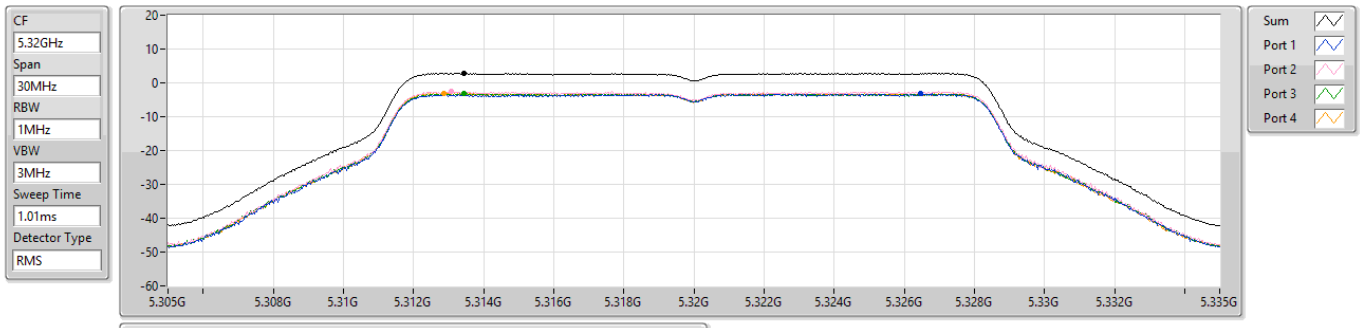
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.88	2.88	-3.23	-2.56	-2.89	-2.97

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

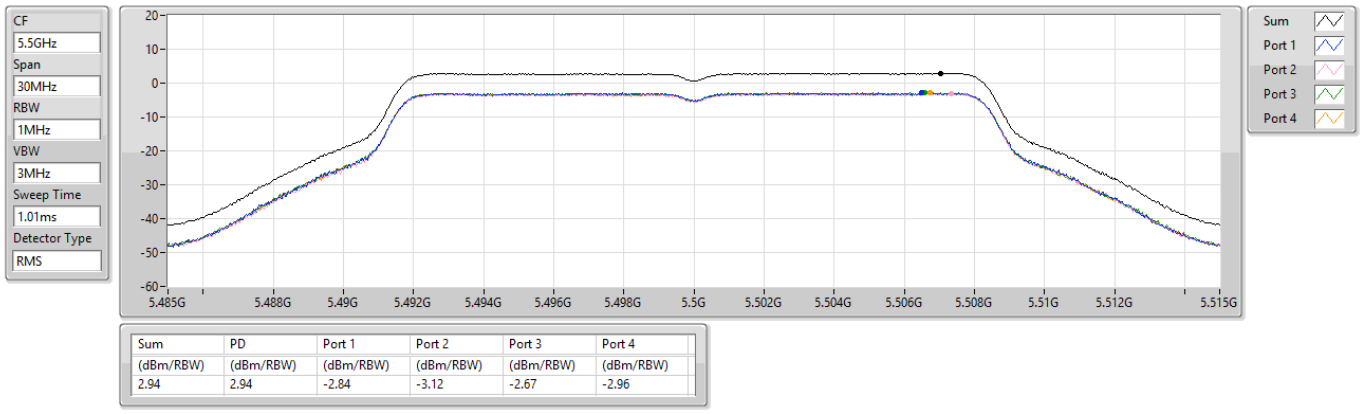
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.86	2.86	-3.23	-2.61	-3.11	-3.01

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

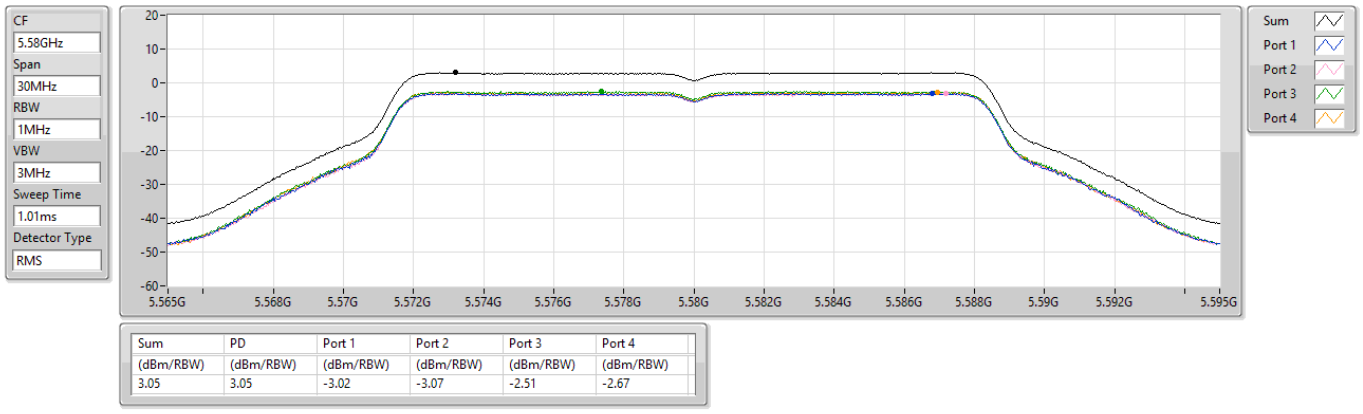
5500MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.94	2.94	-2.84	-3.12	-2.67	-2.96

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

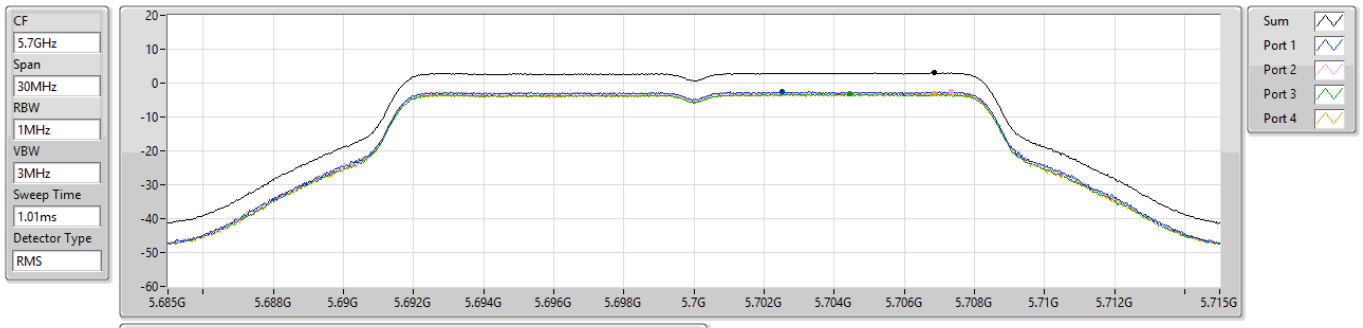
5580MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.05	3.05	-3.02	-3.07	-2.51	-2.67

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

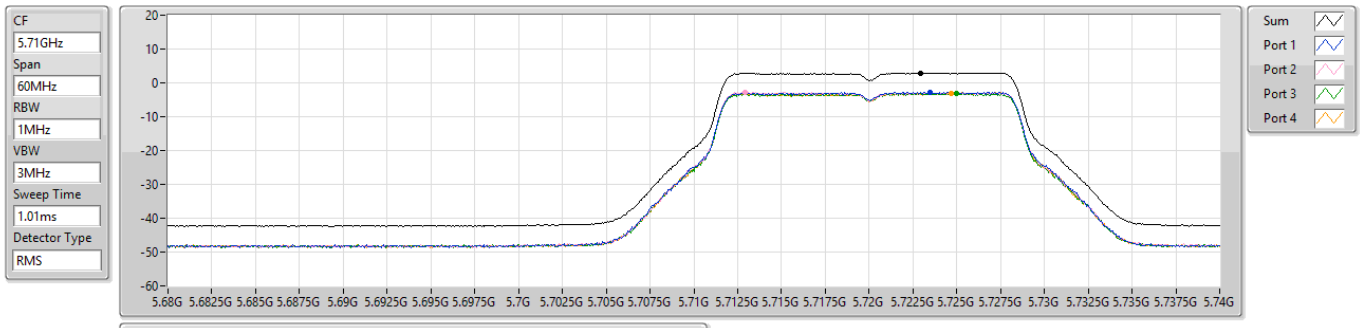
5700MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.10	3.10	-2.57	-2.51	-3.24	-3.04

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

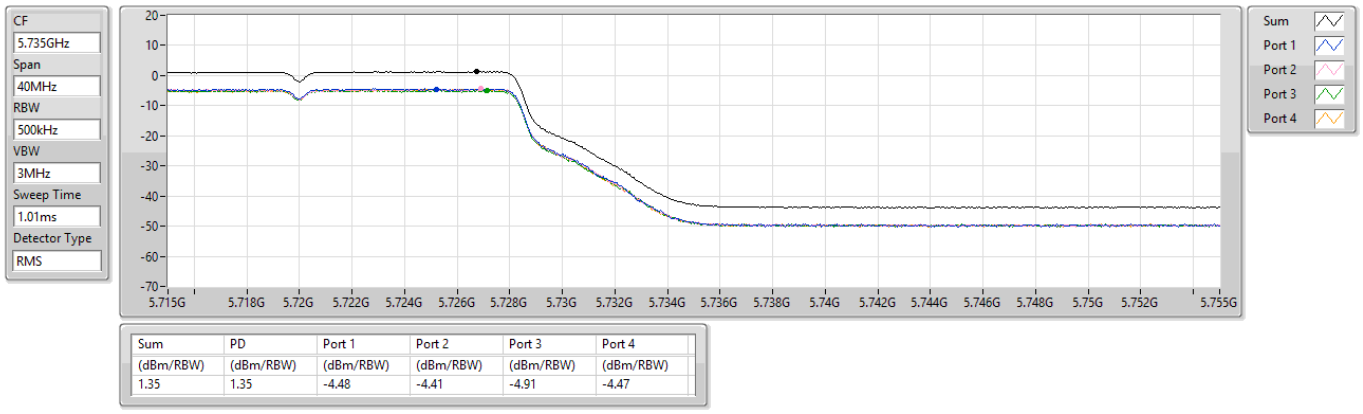
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.92	2.92	-2.74	-2.82	-3.17	-3.06

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

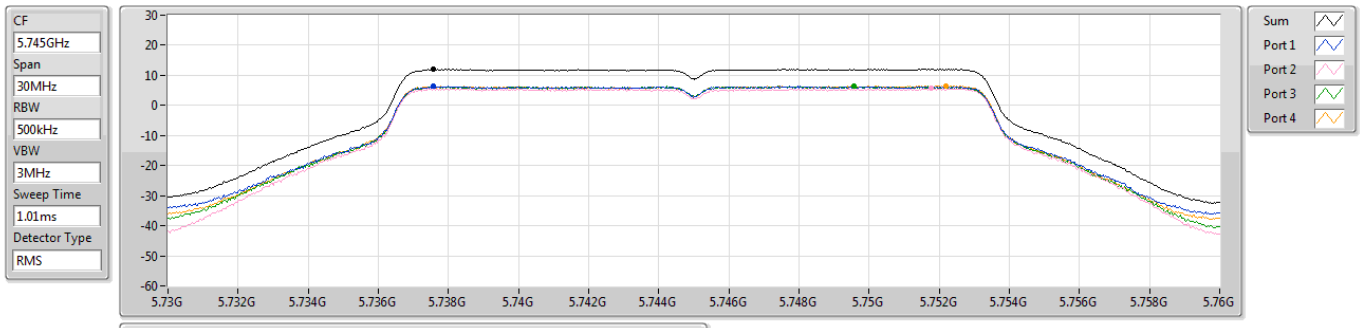
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.35	1.35	-4.48	-4.41	-4.91	-4.47

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

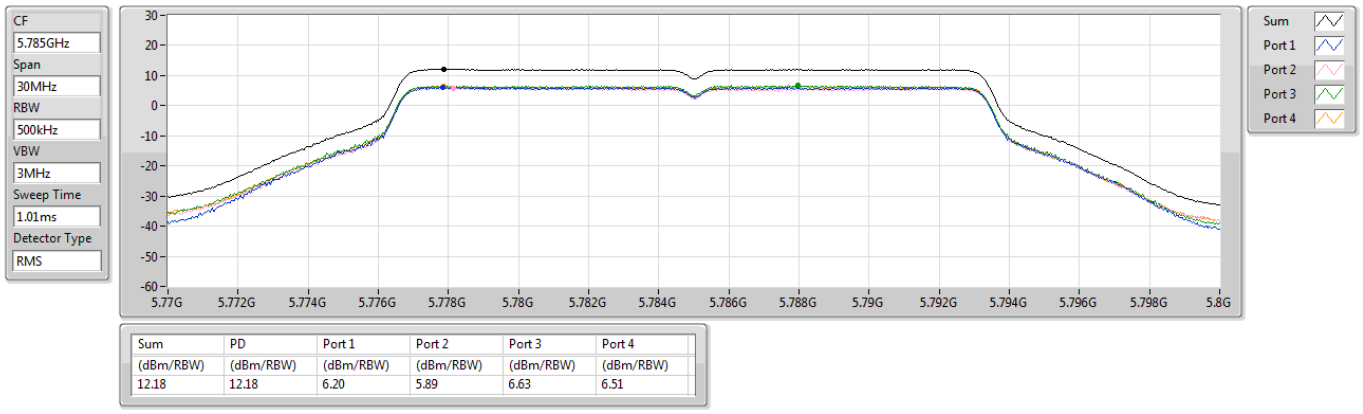
5745MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.07	12.07	6.37	5.65	6.37	6.60

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

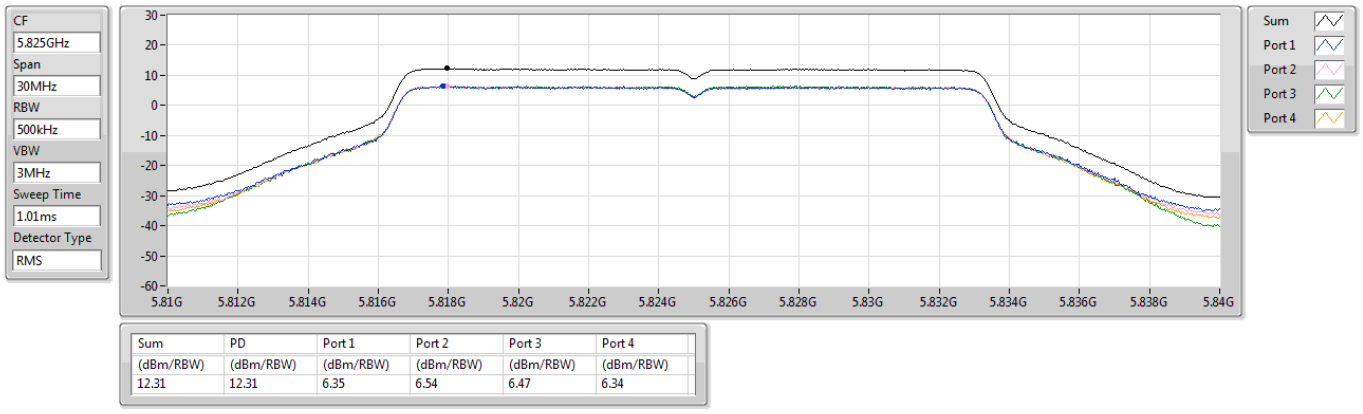
5785MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.18	12.18	6.20	5.89	6.63	6.51

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX **PSD**

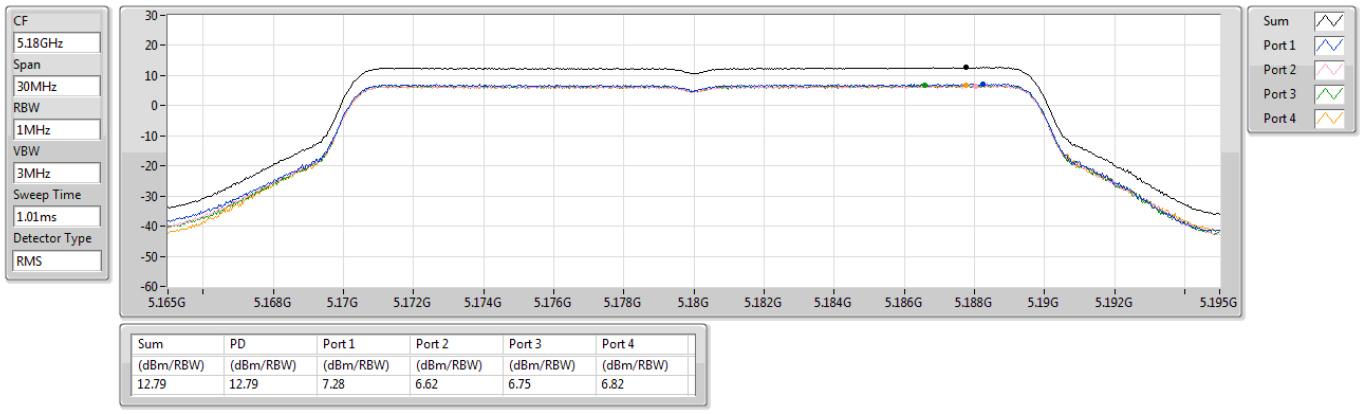
5825MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.31	12.31	6.35	6.54	6.47	6.34

5.15-5.25GHz_802.11be EHT20_Nss4,(MCS0)_4TX **PSD**

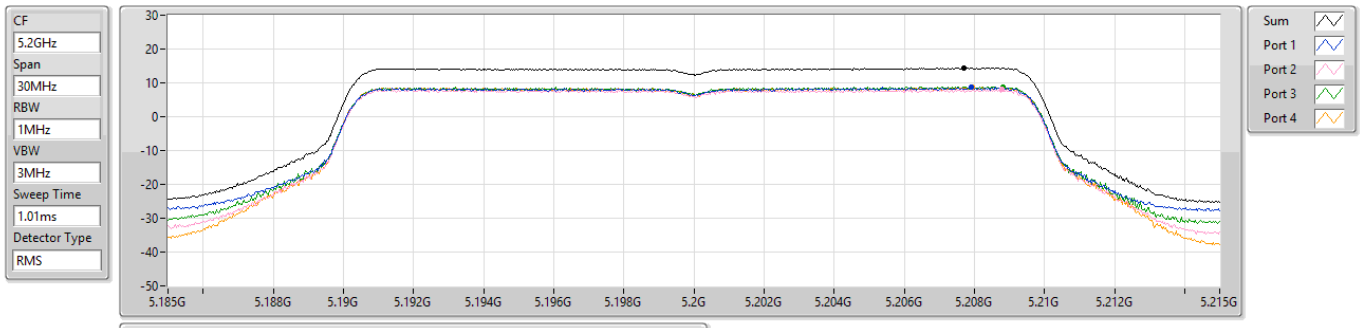
5180MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.79	12.79	7.28	6.62	6.75	6.82

5.15-5.25GHz_802.11be EHT20_Nss4,(MCS0)_4TX **PSD**

5200MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.37	14.37	8.69	8.00	8.86	8.69