RADIO TEST REPORT

FCC ID	:	Z8H89FT0072
Equipment	:	XE5-8
Brand Name	:	Cambium Networks
Model Name	:	XE5-8
Applicant	:	Cambium Networks Inc. 3800 Golf Road, Suite 360 Rolling Meadows, IL 60008, USA
Manufacturer	:	Cambium Networks, Ltd. Ashburton, TQ13 7UP, UK
Standard	:	47 CFR FCC Part 15.407 (Excepting DFS testing)

The product was received on Dec. 30, 2021, and testing was started from Dec. 30, 2021 and completed on Apr. 21, 2022. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

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

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR142255-02	01	Initial issue of report	Jan. 19, 2023

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
3.1	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Output Power	PASS	-
3.3	15.407(a)	Power Spectral Density	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Declaration of Conformity:

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

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Viola Huang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5250-5350	a, n (HT20), ac (VHT20), ax (HEW20)	5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5250-5350	n (HT40), ac (VHT40), ax (HEW40)	5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5250-5350	ac (VHT80), ax (HEW80)	5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

For Radio 1

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4, 8
5.25-5.35GHz	802.11n HT20	20	4, 8
5.25-5.35GHz	802.11n HT20-BF	20	4, 8
5.25-5.35GHz	802.11ac VHT20	20	4, 8
5.25-5.35GHz	802.11ac VHT20-BF	20	4, 8
5.25-5.35GHz	802.11ax HEW20	20	4, 8
5.25-5.35GHz	802.11ax HEW20-BF	20	4, 8
5.25-5.35GHz	802.11n HT40	40	4, 8
5.25-5.35GHz	802.11n HT40-BF	40	4, 8
5.25-5.35GHz	802.11ac VHT40	40	4, 8
5.25-5.35GHz	802.11ac VHT40-BF	40	4, 8
5.25-5.35GHz	802.11ax HEW40	40	4, 8
5.25-5.35GHz	802.11ax HEW40-BF	40	4, 8
5.25-5.35GHz	802.11ac VHT80	80	4, 8
5.25-5.35GHz	802.11ac VHT80-BF	80	4, 8
5.25-5.35GHz	802.11ax HEW80	80	4, 8
5.25-5.35GHz	802.11ax HEW80-BF	80	4, 8
5.47-5.725GHz	802.11a	20	4, 8
5.47-5.725GHz	802.11n HT20	20	4, 8
5.47-5.725GHz	802.11n HT20-BF	20	4, 8
5.47-5.725GHz	802.11ac VHT20	20	4, 8
5.47-5.725GHz	802.11ac VHT20-BF	20	4, 8
5.47-5.725GHz	802.11ax HEW20	20	4, 8

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW20-BF	20	4, 8
5.47-5.725GHz	802.11n HT40	40	4, 8
5.47-5.725GHz	802.11n HT40-BF	40	4, 8
5.47-5.725GHz	802.11ac VHT40	40	4, 8
5.47-5.725GHz	802.11ac VHT40-BF	40	4, 8
5.47-5.725GHz	802.11ax HEW40	40	4, 8
5.47-5.725GHz	802.11ax HEW40-BF	40	4, 8
5.47-5.725GHz	802.11ac VHT80	80	4, 8
5.47-5.725GHz	802.11ac VHT80-BF	80	4, 8
5.47-5.725GHz	802.11ax HEW80	80	4, 8
5.47-5.725GHz	802.11ax HEW80-BF	80	4, 8

For Radio 2 and Radio 3

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11a	20	4
5.25-5.35GHz	802.11n HT20	20	4
5.25-5.35GHz	802.11n HT20-BF	20	4
5.25-5.35GHz	802.11ac VHT20	20	4
5.25-5.35GHz	802.11ac VHT20-BF	20	4
5.25-5.35GHz	802.11ax HEW20	20	4
5.25-5.35GHz	802.11ax HEW20-BF	20	4
5.25-5.35GHz	802.11n HT40	40	4
5.25-5.35GHz	802.11n HT40-BF	40	4
5.25-5.35GHz	802.11ac VHT40	40	4
5.25-5.35GHz	802.11ac VHT40-BF	40	4
5.25-5.35GHz	802.11ax HEW40	40	4
5.25-5.35GHz	802.11ax HEW40-BF	40	4
5.25-5.35GHz	802.11ac VHT80	80	4
5.25-5.35GHz	802.11ac VHT80-BF	80	4
5.25-5.35GHz	802.11ax HEW80	80	4
5.25-5.35GHz	802.11ax HEW80-BF	80	4
5.15-5.35GHz	802.11ac VHT160	160	4
5.15-5.35GHz	802.11ac VHT160-BF	160	4
5.15-5.35GHz	802.11ax HEW160	160	4
5.15-5.35GHz	802.11ax HEW160-BF	160	4
5.47-5.725GHz	802.11a	20	4
5.47-5.725GHz	802.11n HT20	20	4
5.47-5.725GHz	802.11n HT20-BF	20	4
5.47-5.725GHz	802.11ac VHT20	20	4
5.47-5.725GHz	802.11ac VHT20-BF	20	4
5.47-5.725GHz	802.11ax HEW20	20	4

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW20-BF	20	4
5.47-5.725GHz	802.11n HT40	40	4
5.47-5.725GHz	802.11n HT40-BF	40	4
5.47-5.725GHz	802.11ac VHT40	40	4
5.47-5.725GHz	802.11ac VHT40-BF	40	4
5.47-5.725GHz	802.11ax HEW40	40	4
5.47-5.725GHz	802.11ax HEW40-BF	40	4
5.47-5.725GHz	802.11ac VHT80	80	4
5.47-5.725GHz	802.11ac VHT80-BF	80	4
5.47-5.725GHz	802.11ax HEW80	80	4
5.47-5.725GHz	802.11ax HEW80-BF	80	4
5.47-5.725GHz	802.11ac VHT160	160	4
5.47-5.725GHz	802.11ac VHT160-BF	160	4
5.47-5.725GHz	802.11ax HEW160	160	4
5.47-5.725GHz	802.11ax HEW160-BF	160	4

Note:
- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Table for 80+80 MHz Mode

For Radio 1:

Type	Channel No.	Frequency
1	42+58	5210+5290 MHz
2	106+122	5530+5610 MHz

1.1.3 Antenna Information

Radio	Ant.	2.4GHz port	5GHz port	5GHz port	6E port	Bluetooth	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	1	4	4 (High band)	4 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	2	3	3 (High band)	3 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	3	2	2 (High band)	2 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	4	1	1 (High band)	1 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
1	5	-	4 (Low band)	8 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	6	-	3 (Low band)	7 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	7	-	2 (Low band)	6 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
	8	-	1 (Low band)	5 (Full band)	-	-	ACCTON	EAP9819A-6E-1120-CAM	PCB antenna	I-PEX	
2	9	-	4		4	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	Note 1
	10	-	2		2	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	11	-	3		3	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	12	-	1		1	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
3	13	-	4		4	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	14	-	2		2	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	15	-	3		3	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
	16	-	1		1	-	ACCTON	EAP9819A-6E-1120-CAM	Metal antenna	I-PEX	
4	17	-	-	-	-	1	ACCTON	GT128V007S-001	Chip antenna	N/A	

Note 1:

Radio 1 and Radio 4

Ant.	Antenna Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz				Bluetooth
		UNII 1	UNII 2A	UNII 2C	UNII 3	
1	4.51	4.09	3.06	3.82	3.60	-
2	4.97	4.40	5.70	3.79	2.99	-
3	4.66	5.17	5.99	4.38	3.52	-
4	5.95	4.64	4.09	4.19	3.36	-
5	-	3.39	3.58	3.34	2.01	-
6	-	3.70	3.39	2.52	3.03	-
7	-	3.10	3.68	2.83	2.84	-
8	-	2.82	3.13	2.19	2.61	-
17	-	-	-	-	-	3.24

Mode 1: 2.4GHz 4TX and 5GHz UNII 1~UNII 3 8TX

Ant.	Directional Gain (dBi)																	
	WLAN 2.4GHz			WLAN 5GHz														
				UNII 1				UNII 2A				UNII 2C				UNII 3			
	4T1S	4T2S	4T4S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S	8T1S	8T2S	8T4S	8T8S
1	9.91	6.91	3.96	8.39	5.39	5.17	0.57	8.65	5.99	5.99	0.76	7.37	4.38	4.38	0.01	7.13	4.13	3.60	-0.40
2																			
3																			
4																			
5	-	-	-																
6	-	-	-																
7	-	-	-																
8	-	-	-																

Mode 2: 2.4GHz, 5GHz UNII 1~UNII 2A and 5GHz UNII 2C~UNII 3 4TX

Ant.	Directional Gain (dBi)																	
	WLAN 2.4GHz			WLAN 5GHz														
				UNII 1				UNII 2A				UNII 2C				UNII 3			
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S		4T1S	4T2S	4T4S		4T1S	4T2S	4T4S		4T1S	4T2S	4T4S	
1	9.91	6.91	3.96	-	-	-		-	-	-		8.67	5.67	2.75		8.15	5.15	2.27	
2																			
3																			
4																			
5	-	-	-	7.35	4.35	1.38		7.38	4.38	1.47		-	-	-		-	-	-	
6	-	-	-																
7	-	-	-																
8	-	-	-																

For Radio 2~Radio 3

Ant.	Antenna Gain (dBi)							
	WLAN 5GHz				WLAN 6E			
	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8
9	3.56	4.37	3.82	4.70	4.96	3.57	3.72	4.44
10	1.25	3.18	3.45	1.86	4.40	3.52	3.12	3.31
11	4.27	4.24	2.25	3.64	4.14	2.03	3.08	4.86
12	1.94	2.59	2.08	3.11	4.85	2.60	3.43	3.41
13	3.25	3.68	3.74	2.90	4.16	2.52	0.71	2.03
14	2.35	4.20	2.48	3.96	4.72	2.06	1.91	2.03
15	3.07	3.84	2.89	2.61	2.24	1.61	2.74	2.45
16	3.41	3.65	1.81	3.31	3.43	3.56	2.35	1.93

For 5GHz UNII 1~UNII 3

Ant.	Directional Gain (dBi)											
	WLAN 5GHz											
	UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	6.84	4.27	0.94	7.38	4.38	1.63	5.12	3.82	-0.67	5.70	4.70	0.08
10												
11												
12												
13	6.79	3.79	0.92	6.16	4.20	0.76	4.51	3.74	-0.79	5.60	3.96	0.29
14												
15												
16												

For 6GHz UNII 5~8

Ant.	Directional Gain (dBi)											
	WLAN 6E											
	UNII 5			UNII 6			UNII 7			UNII 8		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
9	7.11	4.96	1.27	6.27	3.57	0.39	6.05	3.72	0.36	7.06	4.86	1.54
10												
11												
12												
13	7.06	4.72	1.39	6.25	3.56	0.34	4.86	2.74	-0.72	5.56	2.56	-0.38
14												
15												
16												

Note 2: The EUT has seventeen antennas.
Note 3: The brand/model/antenna type information was declared by manufacturer.
Note 4: Maximum Directional Gain following KDB662911 D03.
The antenna report is provided in the operational description for this application.
Note 5: Because radio 2 and radio 3 are the same radio, the Directional Gain of radio 2 is higher than radio 3. Thus, radio 2 was tested and recorded in the report.

For Radio 1
For 2.4GHz:
For IEEE 802.11b/g/n/VHT/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 5GHz UNII 1~UNII 3 (SBS Mode):
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 5GHz UNII 1~UNII 3 (DBS Mode):
For IEEE 802.11a/n/ac/ax mode (8TX/8RX):
Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7, Port 8 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3, Port 4, Port 5, Port 6, Port 7, Port 8 could transmit/receive simultaneously.
For Radio 2 and Radio 3
For 5GHz UNII 1~UNII 3:
For IEEE 802.11a/n/ac/ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For 6GHz UNII 5~8:
For IEEE 802.11ax mode (4TX/4RX):
Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit/receive simultaneously.
For Radio 4
For Bluetooth:
Only Port 1 can be used as transmitting/receiving antenna.

1.1.4 Mode Test Duty Cycle

For Radio 1
For UNII 2A~UNII 2C 8TX
For 20/40/80MHz

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.813	0.9	632.5u	3k
802.11ax HEW20	0.958	0.19	5.455m	300
802.11ax HEW40	0.952	0.21	5.452m	300
802.11ax HEW80	0.939	0.27	5.452m	300

For 80+80MHz

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW80+80	0.95	0.22	5.453m	300

For UNII 2A 4TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.759	1.2	632.25u	3k
802.11ax HEW20	0.945	0.25	5.454m	300
802.11ax HEW40	0.958	0.19	5.454m	300
802.11ax HEW80	0.937	0.28	5.452m	300

For UNII 2C 4TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.816	0.88	632.5u	3k
802.11ax HEW20	0.953	0.21	5.453m	300
802.11ax HEW40	0.922	0.35	5.453m	300
802.11ax HEW80	0.933	0.3	5.455m	300

For Radio 2
For UNII 2A~UNII 2C 4TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a	0.928	0.32	1.978m	1k
802.11ax HEW20	0.88	0.56	5.445m	300
802.11ax HEW40	0.823	0.85	5.447m	300
802.11ax HEW80	0.876	0.57	5.447m	300
802.11ax HEW160	0.918	0.37	5.445m	300

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.5 EUT Operational Condition

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax in 2.4GHz, n/ac/ax in 5GHz UNII 1~UNII 3 and ax in 6GHz UNII 5~UNII 8.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Test Software Version	QSPR Version 5.0-00197			

Note: The above information was declared by manufacturer.

1.1.6 Table of Radio Function

Radio (R)	2.4GHz	5GHz UNII 1~3	5GHz UNII 1~4	6E UNII 5~8	Bluetooth
1	V (BW:20/40MHz)	V (BW:20/40/80/80+80MHz)	-	-	-
2 (Pine 1)	-	-	V (BW:20/40/80/160MHz)	V	-
3 (Pine 2)	-	-	V (BW:20/40/80/160MHz)	V	-
4	-	-	-	-	V

1.1.7 Table for EUT Operation Function

Mode	Operation Function
1	DBS Mode: R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 4/6GHz+ R3: 5GHz UNII 1~UNII 4/6GHz+R4: BT
2	SBS Mode: R1: 2.4GHz/5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 4/6GHz+ R3: 5GHz UNII 1~UNII 4/6GHz+R4: BT

1.1.8 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR142255-01AB.

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

Modifications	Performance Checking
1. Add UNII 2A and UNII 2C (5250~5350MHz and 5470~5725MHz) for this device. 2. Add 160MHz for Radio 2 and Radio 3. 3. Add 80+80MHz mode in DBS Mode for radio 1.	1. Emission Bandwidth 2. Maximum Output Power 3. Power Spectral Density 4. Unwanted Emissions above 1GHz
4. Add UNII 4 band for Radio 2 and Radio 3	It will be evaluated in test report no: FR142255-05.

1.2 Applicable Standards

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

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

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

- FCC KDB 662911 D03 v01
- FCC KDB 412172 D01 v01r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	19.5-20.1 / 65-68	Jan. 03, 2022~Apr. 21, 2022
Radiated above 1GHz	03CH01-CB	Bruce Yang	24.2-26.1 / 55-58	Dec. 30, 2021~Jan. 10, 2022
	03CH02-CB		24.5-25.6 / 56-59	
	03CH04-CB		23.8-24.9 / 55-58	

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1
For UNII 2A~UNII 2C 8TX
For 20/40/80MHz

Mode	Power Setting
802.11a_Nss1,(6Mbps)_8TX	-
5260MHz	11.5
5300MHz	11.5
5320MHz	11
5500MHz	13
5580MHz	13.5
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	13
5720MHz Straddle 5.725-5.85GHz	13
802.11ax HEW20_Nss1,(MCS0)_8TX	-
5260MHz	11.5
5300MHz	11.5
5320MHz	11.5
5500MHz	13
5580MHz	13.5
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
802.11ax HEW40_Nss1,(MCS0)_8TX	-
5270MHz	14
5310MHz	14
5510MHz	14
5550MHz	14.5
5670MHz	14.5
5710MHz Straddle 5.47-5.725GHz	15
5710MHz Straddle 5.725-5.85GHz	15
802.11ax HEW80_Nss1,(MCS0)_8TX	-
5290MHz	13.5
5530MHz	14
5610MHz	15
5690MHz Straddle 5.47-5.725GHz	15
5690MHz Straddle 5.725-5.85GHz	15
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	-

Mode	Power Setting
5260MHz	11.5
5300MHz	11.5
5320MHz	11.5
5500MHz	13
5580MHz	13.5
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	-
5270MHz	11.5
5310MHz	11.5
5510MHz	12
5550MHz	12
5670MHz	12.5
5710MHz Straddle 5.47-5.725GHz	13.5
5710MHz Straddle 5.725-5.85GHz	13.5
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	-
5290MHz	11.5
5530MHz	13
5610MHz	13.5
5690MHz Straddle 5.47-5.725GHz	13.5
5690MHz Straddle 5.725-5.85GHz	13.5

For 80+80MHz

Mode	Power Setting
802.11ax HEW80+80_Nss1,(MCS0)_8TX	-
#5210MHz,5290MHz	14.5
5210MHz,#5290MHz	14.5
802.11ax HEW80+80_Nss2,(MCS0)_8TX	-
#5530MHz,#5610MHz	13
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	-
#5210MHz,5290MHz	14.5
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	-
5210MHz,#5290MHz	14.5
802.11ax HEW80+80-BF_Nss2,(MCS0)_8TX	-
#5530MHz,#5610MHz	13

For UNII 2A 4TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	15
5300MHz	15
5320MHz	15.5
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	15.5
5300MHz	15.5
5320MHz	15.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	17.5
5310MHz	14.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	14.5
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	15.5
5300MHz	15.5
5320MHz	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	16
5310MHz	14.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	14.5

For UNII 2C 4TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5500MHz	14
5580MHz	14
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5500MHz	13.5
5580MHz	15
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	14.5
5720MHz Straddle 5.725-5.85GHz	14.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5510MHz	12
5550MHz	16.5
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5530MHz	12
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5500MHz	13.5
5580MHz	15.5
5700MHz	11.5
5720MHz Straddle 5.47-5.725GHz	14.5
5720MHz Straddle 5.725-5.85GHz	14.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5510MHz	12
5550MHz	15
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	15.5
5710MHz Straddle 5.725-5.85GHz	15.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5530MHz	12
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	15

Mode	Power Setting
5690MHz Straddle 5.725-5.85GHz	15

For Radio 2
For UNII 2A~UNII 2C 4TX

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5260MHz	15.5
5300MHz	16
5320MHz	15.5
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5260MHz	16
5300MHz	16
5320MHz	16
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5270MHz	17
5310MHz	16.5
5510MHz	17
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	16.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	16
5250MHz Straddle 5.25-5.35GHz	16
5570MHz	17

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5260MHz	16
5300MHz	16
5320MHz	15.5
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17.5
5720MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5270MHz	16
5310MHz	15.5
5510MHz	17
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17.5
5710MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5290MHz	15
5530MHz	16.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17.5
5690MHz Straddle 5.725-5.85GHz	17.5
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	16
5250MHz Straddle 5.25-5.35GHz	16
5570MHz	17

Note:
- Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.
- The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
	For Radio 1 UNII 2A~UNII 2C 8TX, UNII 2A 4TX and Radio 2 UNII 2A~UNII 2C 4TX The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at X axis. So the measurement will follow this same test configuration. For Radio 1 UNII 2C 4TX The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found at Y axis. So the measurement will follow this same test configuration.
1	EUT in X axis_Radio 1 UNII 2A~UNII 2C 8TX
2	EUT in X axis_Radio 1 UNII 2A 4TX
3	EUT in Y axis_Radio 1 UNII 2C 4TX
4	EUT in X axis_Radio 2 UNII 2A~UNII 2C 4TX

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 3+R3: 5GHz UNII 1~UNII 3 +R4: BT
2	DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 5GHz UNII 1~UNII 3+R3: 6GHz UNII 5~UNII 8 +R4: BT
3	DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 6GHz UNII 5~UNII 8+R3: 5GHz UNII 1~UNII 3 +R4: BT
4	DBS Mode:R1: 2.4GHz/5GHz UNII 1~UNII 3 in 8TX +R2: 6GHz UNII 5~UNII 8+R3: 6GHz UNII 5~UNII 8 +R4: BT
5	DBS Mode:R1: 2.4GHz/ SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 3+R3: 5GHz UNII 1~UNII 3 +R4: BT
6	DBS Mode:R1: 2.4GHz/ SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 5GHz UNII 1~UNII 3+R3: 6GHz UNII 5~UNII 8 +R4: BT
7	DBS Mode:R1: 2.4GHz/ SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 6GHz UNII 5~UNII 8+R3: 5GHz UNII 1~UNII 3 +R4: BT
8	DBS Mode:R1: 2.4GHz/ SBS Mode:5GHz UNII 1~UNII 3 in 4TX +R2: 6GHz UNII 5~UNII 8+R3: 6GHz UNII 5~UNII 8 +R4: BT
Refer to Sporton Test Report No.: FA141225-02 for Co-location RF Exposure Evaluation.	

Note: The PoE is for measurement only, would not be marketed.
The PoE information is below:

Support Unit	Brand	Model
PoE	Cambium	NET-P60-56IN

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Accessories
Cradle*1

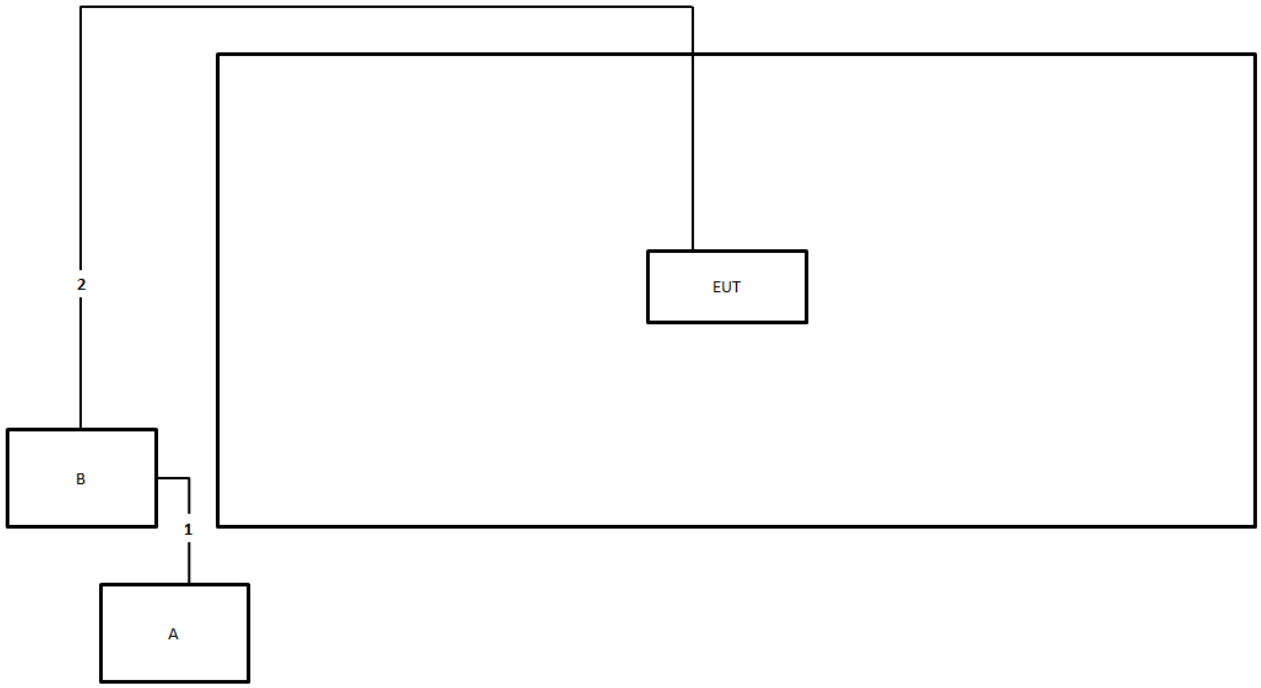
2.5 Support Equipment

For Radiated (above 1GHz) and RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A

2.6 Test Setup Diagram

Test Setup Diagram - Radiated Test > 1GHz



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

3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

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

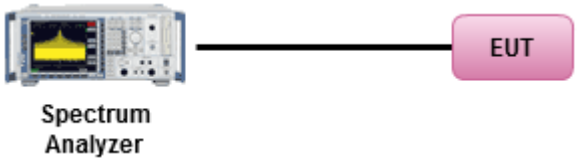
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method		
▪	For the emission bandwidth shall be measured using one of the options below:	
	☒	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
	☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
	☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.1.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer

3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

3.2 Maximum Output Power

3.2.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
Maximum EIRP Limit	
☐	For the 5.85-5.895 GHz band:
	▪ Indoor AP & subordinate device < 36 dBm
	▪ Client device < 30 dBm
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the

	lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.2.2 Measuring Instruments

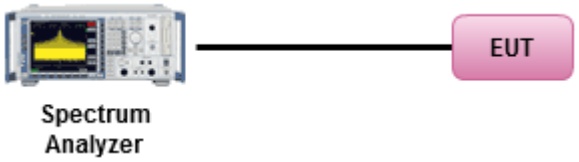
Refer a test equipment and calibration data table in this test report.

3.2.3 Test Procedures

Test Method	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒	For conducted measurement.
	▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.2.4 Test Setup

For Straddle channel

Conducted Measurement (Spectrum Analyzer)


For others channel

Conducted Measurement (Power Meter)


3.2.5 Test Result of Maximum Output Power

Refer as Appendix B

3.3 Power Spectral Density

3.3.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).
☒	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
EIRP Power Spectral Density Limit	
☐	For the 5.85-5.895 GHz band:
	▪ Indoor AP & subordinate device < 20dBm/MHz
	▪ Client device < 14dBm/MHz
LE-LAN Devices	
☐	For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
	▪ e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for 0° ≤ θ < 8° ; -13 − 0.716 (θ-8) dBW/MHz for 8° ≤ θ < 40° -35.9 − 1.22 (θ-40) dBW/MHz for 40° ≤ θ ≤ 45° ; -42 dBW/MHz for θ > 45°
☐	For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.
☐	For the 5.725-5.85 GHz band:
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output	

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

3.3.2 Measuring Instruments

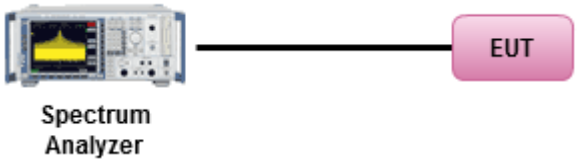
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

Test Method		
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:		
	☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
	[duty cycle ≥ 98% or external video / power trigger]	
	☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
	☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
	duty cycle < 98% and average over on/off periods with duty factor	
	☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒	For conducted measurement.	
	▪	If the EUT supports multiple transmit chains using options given below:
		☒ Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
		☐ Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
		☐ Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	▪	If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$
☐	For radiated measurement.	
	▪	Refer as FCC KDB 789033 D02 clause II A.1.F ”Antenna-port Conducted versus Radiated Testing”
	▪	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.

Test Method	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

Conducted Measurement


3.3.5 Test Result of Power Spectral Density

Refer as Appendix C

3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	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.
☐ 5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of - 7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an

	e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz. (iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.4.2 Measuring Instruments

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

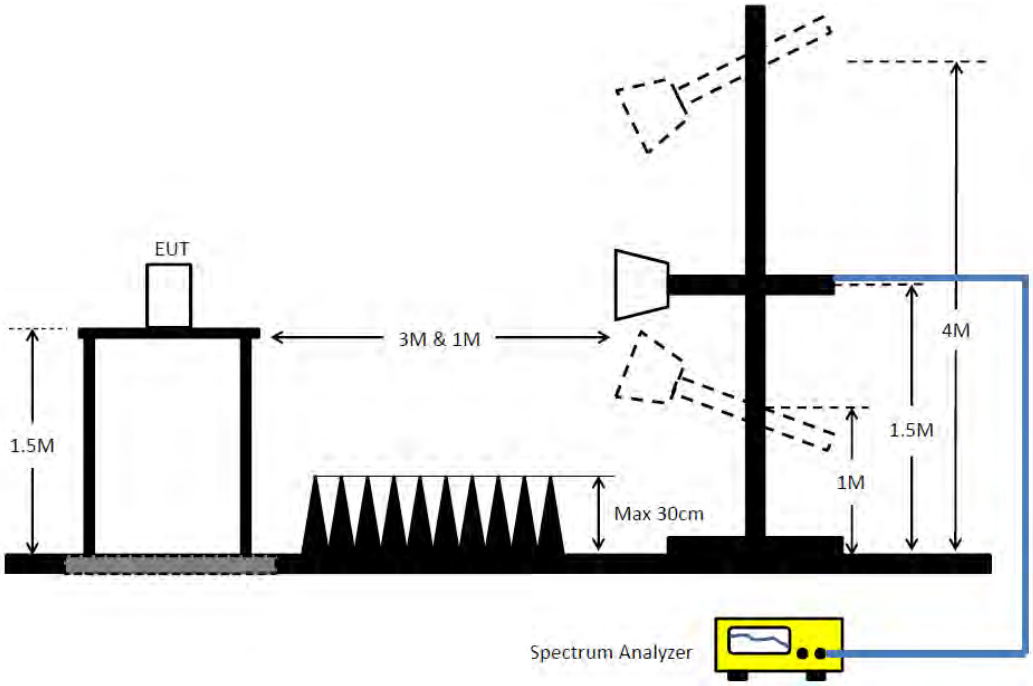
3.4.3 Test Procedures

Test Method			
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.		
	▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.		
		☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).	
		☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).	
		☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.	
		☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.	
		☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.	
		☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.	
▪ For radiated measurement.			
	▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.		
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.		
▪ The any unwanted emissions level shall not exceed the fundamental emission level.			

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

3.4.4 Test Setup

Transmitter Radiated Unwanted Emissions
Above 1GHz



3.4.5 Measurement Results Calculation

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

3.4.6 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D

4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 07, 2021	May 06, 2022	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 06, 2021	Nov. 05, 2022	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 20, 2021	May 19, 2022	Radiation (03CH01-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 03, 2021	May 02, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz 3m	Mar. 27, 2021	Mar. 26, 2022	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	May 04, 2021	May 03, 2022	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH02-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH02-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 25, 2021	Feb. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 25, 2021	Oct. 24, 2022	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 05, 2021	Aug. 04, 2022	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz~26.5GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 13, 2021	Jul. 12, 2022	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 15, 2021	Apr. 14, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 21, 2021	May 20, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz –26.5 GHz	Oct. 04, 2021	Oct. 03, 2022	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P1	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P2	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P3	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P4	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	SWI-01-P5	1 GHz –26.5 GHz	Dec. 13, 2021	Dec. 12, 2022	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 06, 2021	Sep. 05, 2022	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

N.C.R. means Non-Calibration required.

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	19.77M	16.552M	16M6D1D	18.93M	16.252M
802.11ax HEW20_Nss1,(MCS0)_8TX	21.81M	19.07M	19M1D1D	20.73M	18.771M
802.11ax HEW40_Nss1,(MCS0)_8TX	41.04M	38.141M	38M1D1D	40.02M	37.601M
802.11ax HEW80_Nss1,(MCS0)_8TX	82.44M	77.721M	77M7D1D	81.72M	76.882M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	19.86M	16.612M	16M6D1D	14.04M	12.954M
802.11ax HEW20_Nss1,(MCS0)_8TX	21.75M	19.1M	19M1D1D	15.21M	14.288M
802.11ax HEW40_Nss1,(MCS0)_8TX	41.64M	38.261M	38M3D1D	35.14M	33.548M
802.11ax HEW80_Nss1,(MCS0)_8TX	82.68M	77.961M	78M0D1D	75.675M	72.639M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_8TX	3.18M	3.598M	3M60D1D	3.14M	3.438M
802.11ax HEW20_Nss1,(MCS0)_8TX	4.5M	4.638M	4M64D1D	2.88M	4.558M
802.11ax HEW40_Nss1,(MCS0)_8TX	4.14M	4.378M	4M38D1D	2.96M	4.138M
802.11ax HEW80_Nss1,(MCS0)_8TX	4.14M	5.017M	5M02D1D	3.7M	4.238M

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

Result

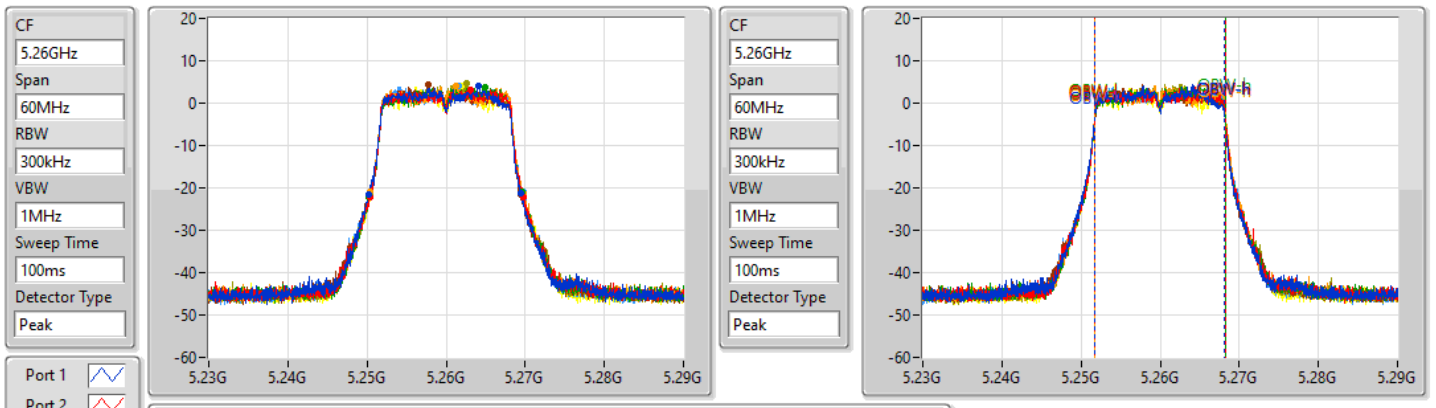
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.32M	16.432M	19.44M	16.492M	19.44M	16.432M	19.41M	16.552M	19.2M	16.372M	19.17M	16.402M	19.65M	16.492M	19.38M	16.522M
5300MHz	Pass	Inf	19.77M	16.462M	19.29M	16.432M	19.44M	16.432M	19.53M	16.552M	19.59M	16.552M	19.08M	16.312M	19.59M	16.492M	19.23M	16.372M
5320MHz	Pass	Inf	18.93M	16.252M	19.71M	16.432M	19.32M	16.432M	19.44M	16.492M	19.38M	16.402M	19.44M	16.372M	19.62M	16.522M	19.11M	16.402M
5500MHz	Pass	Inf	19.53M	16.402M	19.08M	16.432M	19.38M	16.402M	19.44M	16.552M	18.87M	16.342M	19.38M	16.492M	19.86M	16.612M	19.11M	16.462M
5580MHz	Pass	Inf	19.38M	16.492M	19.47M	16.372M	19.29M	16.432M	19.29M	16.462M	19.35M	16.432M	19.44M	16.582M	19.02M	16.462M	18.72M	16.372M
5700MHz	Pass	Inf	19.2M	16.252M	19.38M	16.432M	19.17M	16.372M	19.32M	16.402M	19.53M	16.522M	18.6M	16.102M	19.14M	16.432M	19.32M	16.492M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.655M	13.298M	14.325M	13.253M	15.06M	13.313M	14.625M	13.283M	14.04M	12.954M	14.67M	13.358M	14.625M	13.193M	14.31M	13.193M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	3.598M	3.16M	3.498M	3.16M	3.478M	3.14M	3.438M	3.16M	3.538M	3.16M	3.498M	3.16M	3.558M	3.16M	3.558M
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.3M	18.951M	21.48M	18.921M	21.24M	18.951M	21.27M	19.07M	21.81M	18.951M	21.09M	18.891M	21.15M	18.861M	21.03M	18.771M
5300MHz	Pass	Inf	21.21M	18.951M	21.03M	18.891M	21.21M	18.921M	21.12M	19.04M	21.48M	19.01M	21.51M	19.01M	21.45M	18.951M	20.88M	18.891M
5320MHz	Pass	Inf	21.12M	18.921M	20.94M	18.891M	21.09M	18.981M	21.09M	18.801M	21.42M	18.981M	20.73M	18.891M	21.45M	18.981M	21.24M	18.891M
5500MHz	Pass	Inf	20.82M	18.771M	21.75M	19.01M	21.48M	19.01M	21.06M	18.981M	21.24M	18.951M	20.94M	18.741M	20.49M	18.621M	21.48M	19.1M
5580MHz	Pass	Inf	21.15M	18.981M	21.21M	18.951M	21.24M	18.981M	20.82M	19.04M	20.91M	18.951M	21.18M	18.921M	21.12M	19.04M	21.03M	18.861M
5700MHz	Pass	Inf	20.67M	18.681M	20.61M	18.681M	21.33M	18.981M	21.21M	18.951M	20.76M	18.831M	21.3M	19.1M	21.18M	18.981M	21.06M	18.801M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.255M	14.378M	15.255M	14.288M	15.27M	14.348M	15.405M	14.378M	15.435M	14.423M	15.78M	14.558M	15.555M	14.453M	15.21M	14.348M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	2.88M	4.558M	4.44M	4.618M	3.72M	4.578M	4.44M	4.638M	3.7M	4.558M	4.48M	4.638M	4.5M	4.618M	4.46M	4.598M
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.04M	37.901M	40.98M	38.021M	40.92M	37.961M	40.62M	37.961M	40.74M	37.841M	40.74M	37.721M	40.8M	38.141M	40.8M	38.081M
5310MHz	Pass	Inf	41.04M	37.841M	40.86M	37.961M	40.86M	37.841M	40.56M	37.841M	40.56M	37.841M	40.02M	37.601M	40.8M	38.081M	40.62M	38.081M
5510MHz	Pass	Inf	40.92M	38.081M	40.74M	37.901M	40.38M	37.721M	41.16M	38.141M	40.62M	37.961M	40.8M	37.961M	41.64M	38.081M	40.44M	37.541M
5550MHz	Pass	Inf	41.04M	38.141M	41.1M	38.021M	40.44M	37.901M	41.04M	38.201M	40.56M	38.021M	40.56M	37.961M	40.98M	38.021M	40.38M	37.781M
5670MHz	Pass	Inf	40.62M	37.661M	40.14M	37.361M	40.44M	37.661M	40.68M	37.901M	40.56M	37.901M	40.68M	38.201M	41.16M	38.261M	40.92M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.525M	33.793M	35.14M	33.548M	35.175M	33.758M	35.28M	33.618M	35.315M	33.688M	35.63M	34.003M	35.35M	33.863M	35.56M	33.898M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.138M	4.04M	4.358M	2.96M	4.238M	4.12M	4.338M	4.14M	4.378M	4.02M	4.278M	4.1M	4.178M	4M	4.198M
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.08M	77.241M	82.44M	77.601M	82.2M	77.241M	81.84M	77.601M	81.72M	77.001M	82.2M	76.882M	82.32M	77.721M	82.2M	77.601M
5530MHz	Pass	Inf	82.2M	77.601M	81.96M	77.481M	81.84M	77.001M	82.44M	77.841M	82.56M	77.481M	82.2M	77.241M	82.32M	77.601M	81.96M	77.001M
5610MHz	Pass	Inf	82.08M	77.001M	81.36M	76.282M	82.2M	77.481M	81.36M	77.241M	81.6M	77.121M	81.96M	77.481M	82.68M	77.961M	82.08M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.313M	75.675M	72.639M	75.9M	73.388M	76.05M	72.789M	76.05M	72.714M	76.275M	73.388M	76.275M	73.313M	76.05M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	4.238M	4.14M	4.518M	3.86M	4.538M	4.1M	5.017M	4.1M	4.758M	4.02M	4.538M	4.02M	4.358M	4M	4.298M

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

802.11a_Nss1,(6Mbps)_8TX **EBW**

5260MHz

08/01/2022

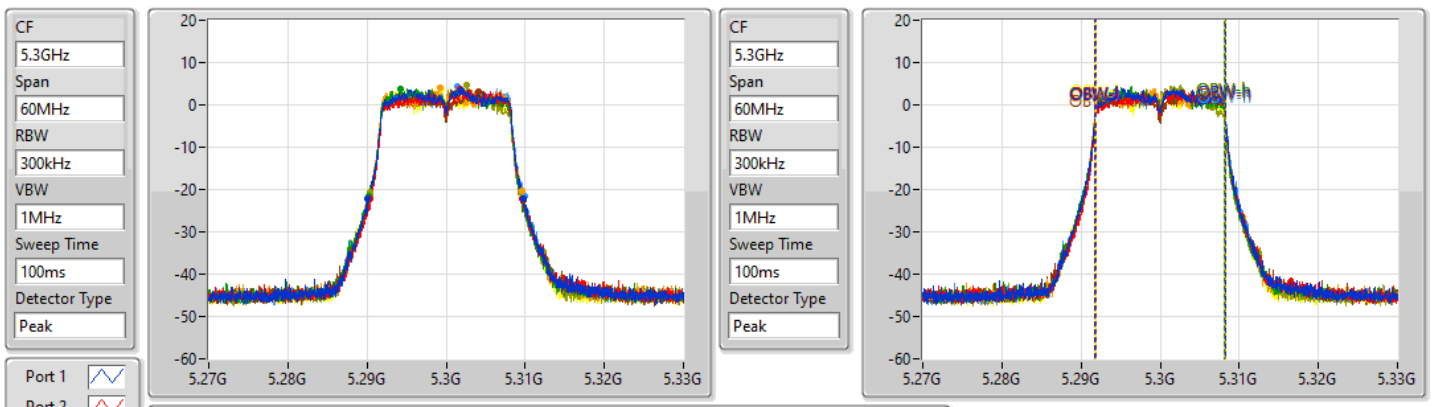


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.32M	5.25016G	5.26948G	16.432M	5.251724G	5.268156G	Inf	1
19.44M	5.25031G	5.26975G	16.492M	5.251754G	5.268246G	Inf	2
19.44M	5.25022G	5.26966G	16.432M	5.251784G	5.268216G	Inf	3
19.41M	5.25037G	5.26978G	16.552M	5.251724G	5.268276G	Inf	4
19.2M	5.25028G	5.26948G	16.372M	5.251784G	5.268156G	Inf	5
19.17M	5.25031G	5.26948G	16.402M	5.251784G	5.268186G	Inf	6
19.65M	5.25016G	5.26981G	16.492M	5.251754G	5.268246G	Inf	7
19.38M	5.2504G	5.26978G	16.522M	5.251754G	5.268276G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5300MHz

08/01/2022

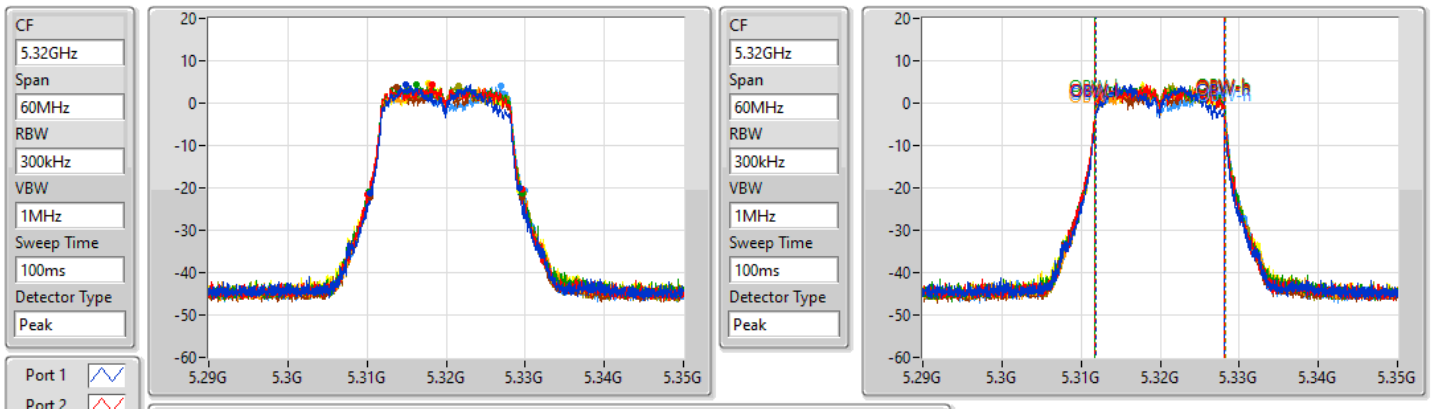


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.77M	5.29004G	5.30981G	16.462M	5.291784G	5.308246G	Inf	1
19.29M	5.2904G	5.30969G	16.432M	5.291814G	5.308246G	Inf	2
19.44M	5.29019G	5.30963G	16.432M	5.291754G	5.308186G	Inf	3
19.53M	5.29016G	5.30969G	16.552M	5.291694G	5.308246G	Inf	4
19.59M	5.29013G	5.30972G	16.552M	5.291694G	5.308246G	Inf	5
19.08M	5.2904G	5.30948G	16.312M	5.291784G	5.308096G	Inf	6
19.59M	5.2904G	5.30999G	16.492M	5.291814G	5.308306G	Inf	7
19.23M	5.29034G	5.30957G	16.372M	5.291814G	5.308186G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5320MHz

28/03/2022

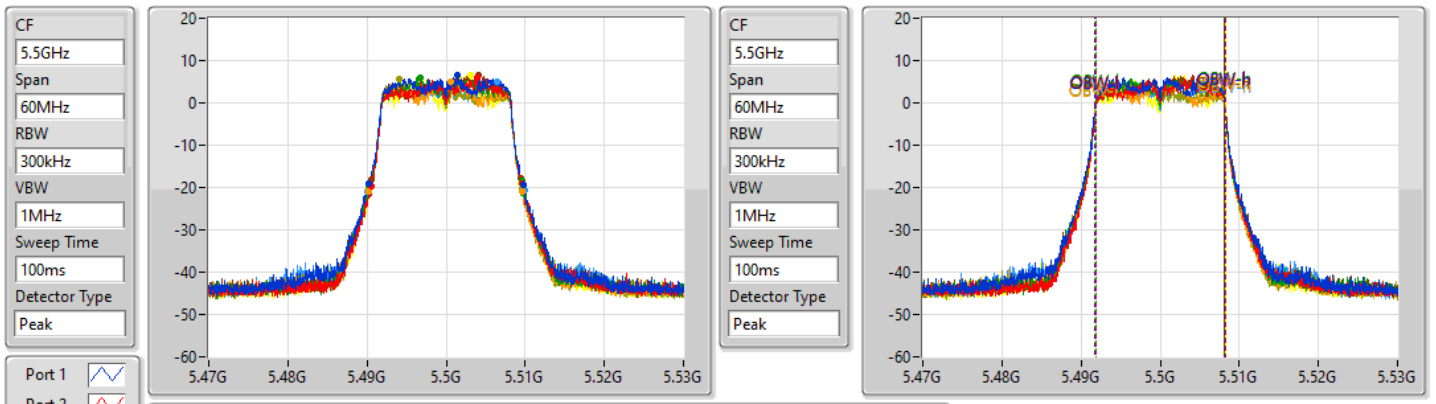


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.31031G	5.32924G	16.252M	5.311814G	5.328066G	Inf	1
19.71M	5.30998G	5.32969G	16.432M	5.311724G	5.328156G	Inf	2
19.32M	5.31025G	5.32957G	16.432M	5.311754G	5.328186G	Inf	3
19.44M	5.31019G	5.32963G	16.492M	5.311694G	5.328186G	Inf	4
19.38M	5.31031G	5.32969G	16.402M	5.311754G	5.328156G	Inf	5
19.44M	5.31037G	5.32981G	16.372M	5.311844G	5.328216G	Inf	6
19.62M	5.31031G	5.32993G	16.522M	5.311784G	5.328306G	Inf	7
19.11M	5.31019G	5.3293G	16.402M	5.311754G	5.328156G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5500MHz

08/01/2022

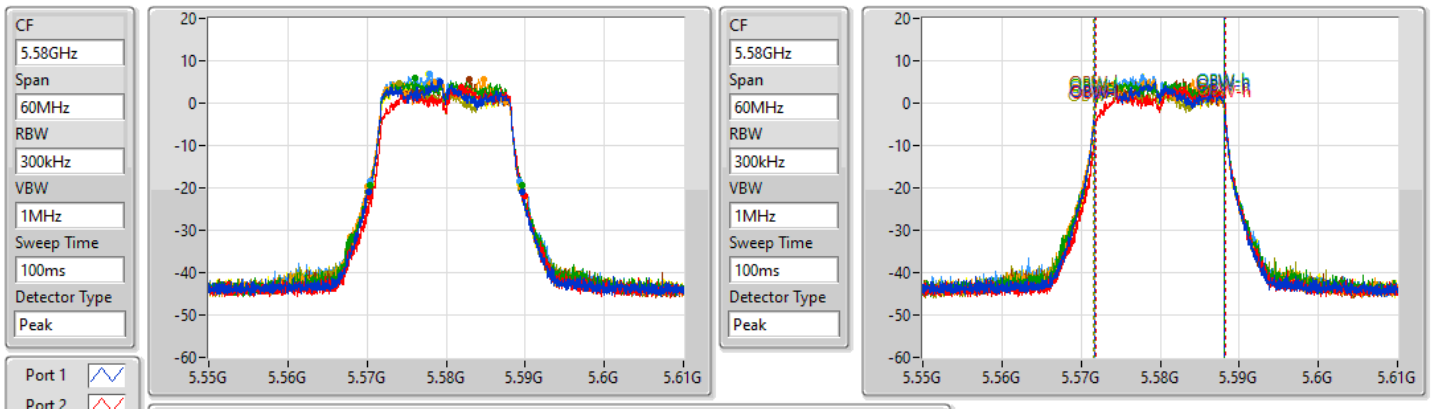


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.53M	5.49028G	5.50981G	16.402M	5.491784G	5.508186G	Inf	1
19.08M	5.49058G	5.50966G	16.432M	5.491814G	5.508246G	Inf	2
19.38M	5.49022G	5.5096G	16.402M	5.491814G	5.508216G	Inf	3
19.44M	5.49016G	5.5096G	16.552M	5.491694G	5.508246G	Inf	4
18.87M	5.49055G	5.50942G	16.342M	5.491844G	5.508186G	Inf	5
19.38M	5.49019G	5.50957G	16.492M	5.491694G	5.508186G	Inf	6
19.86M	5.49001G	5.50987G	16.612M	5.491664G	5.508276G	Inf	7
19.11M	5.49034G	5.50945G	16.462M	5.491784G	5.508246G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5580MHz

28/03/2022

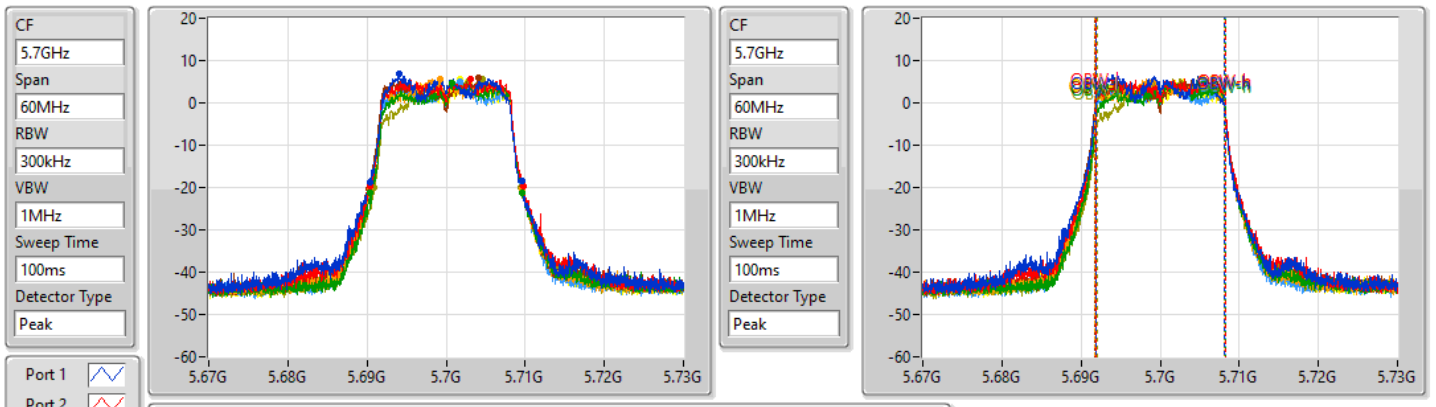


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.38M	5.57016G	5.58954G	16.492M	5.571694G	5.588186G	Inf	1
19.47M	5.57043G	5.5899G	16.372M	5.571904G	5.588276G	Inf	2
19.29M	5.57034G	5.58963G	16.432M	5.571754G	5.588186G	Inf	3
19.29M	5.5701G	5.58939G	16.462M	5.571664G	5.588126G	Inf	4
19.35M	5.57031G	5.58966G	16.432M	5.571754G	5.588186G	Inf	5
19.44M	5.57004G	5.58948G	16.582M	5.571604G	5.588186G	Inf	6
19.02M	5.57031G	5.58933G	16.462M	5.571694G	5.588156G	Inf	7
18.72M	5.57055G	5.58927G	16.372M	5.571784G	5.588156G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5700MHz

08/01/2022

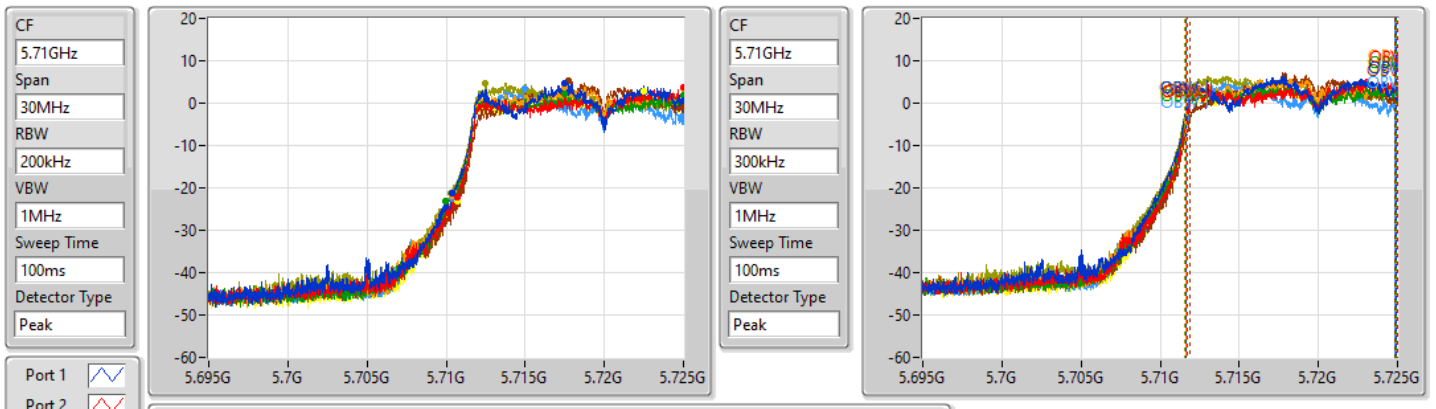


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.69034G	5.70954G	16.252M	5.691844G	5.708096G	Inf	1
19.38M	5.6904G	5.70978G	16.432M	5.691814G	5.708246G	Inf	2
19.17M	5.69046G	5.70963G	16.372M	5.691904G	5.708276G	Inf	3
19.32M	5.69034G	5.70966G	16.402M	5.691784G	5.708186G	Inf	4
19.53M	5.69016G	5.70969G	16.522M	5.691664G	5.708186G	Inf	5
18.6M	5.69091G	5.70951G	16.102M	5.692084G	5.708186G	Inf	6
19.14M	5.6904G	5.70954G	16.432M	5.691814G	5.708246G	Inf	7
19.32M	5.69037G	5.70969G	16.492M	5.691754G	5.708246G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5720MHz Straddle 5.47-5.725GHz

08/01/2022

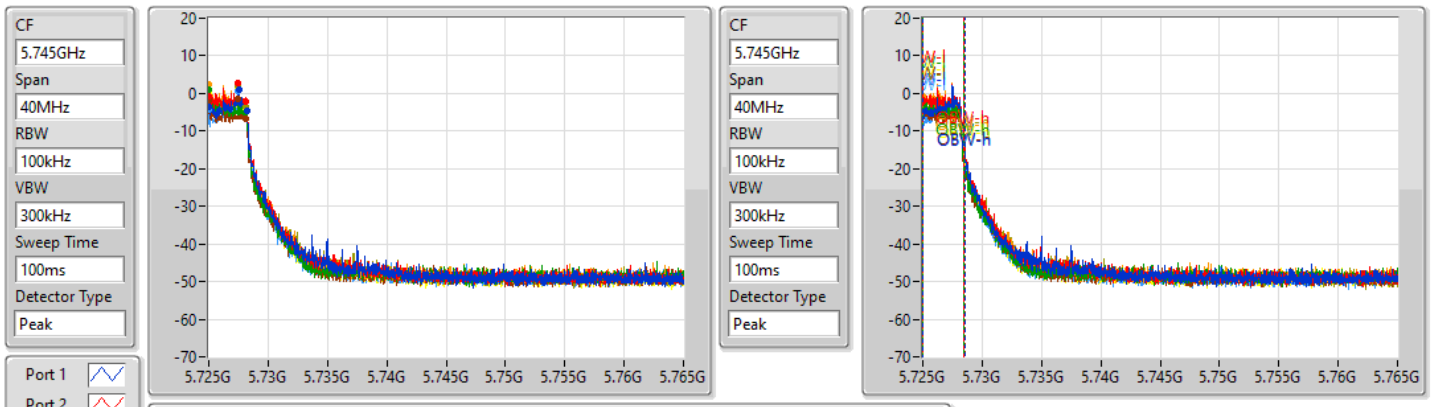


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.655M	5.710345G	5.725G	13.298M	5.711589G	5.724888G	Inf	1
14.325M	5.710675G	5.725G	13.253M	5.711709G	5.724963G	Inf	2
15.06M	5.70994G	5.725G	13.313M	5.711634G	5.724948G	Inf	3
14.625M	5.710375G	5.725G	13.283M	5.711664G	5.724948G	Inf	4
14.04M	5.71096G	5.725G	12.954M	5.711919G	5.724873G	Inf	5
14.67M	5.71033G	5.725G	13.358M	5.711559G	5.724918G	Inf	6
14.625M	5.710375G	5.725G	13.193M	5.711649G	5.724843G	Inf	7
14.31M	5.71069G	5.725G	13.193M	5.711739G	5.724933G	Inf	8

802.11a_Nss1,(6Mbps)_8TX **EBW**

5720MHz Straddle 5.725-5.85GHz

08/01/2022

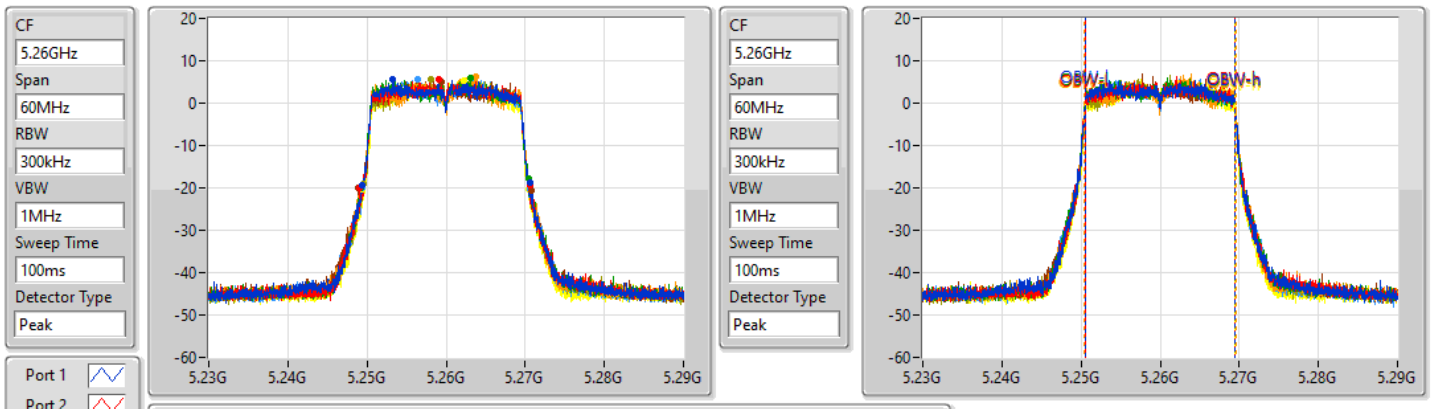


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.18M	5.725G	5.72818G	3.598M	5.72501G	5.728608G	500k	1
3.16M	5.725G	5.72816G	3.498M	5.72501G	5.728508G	500k	2
3.16M	5.725G	5.72816G	3.478M	5.72501G	5.728488G	500k	3
3.14M	5.725G	5.72814G	3.438M	5.72501G	5.728448G	500k	4
3.16M	5.725G	5.72816G	3.538M	5.72501G	5.728548G	500k	5
3.16M	5.725G	5.72816G	3.498M	5.72501G	5.728508G	500k	6
3.16M	5.725G	5.72816G	3.558M	5.72501G	5.728568G	500k	7
3.16M	5.725G	5.72816G	3.558M	5.72501G	5.728568G	500k	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5260MHz

08/01/2022

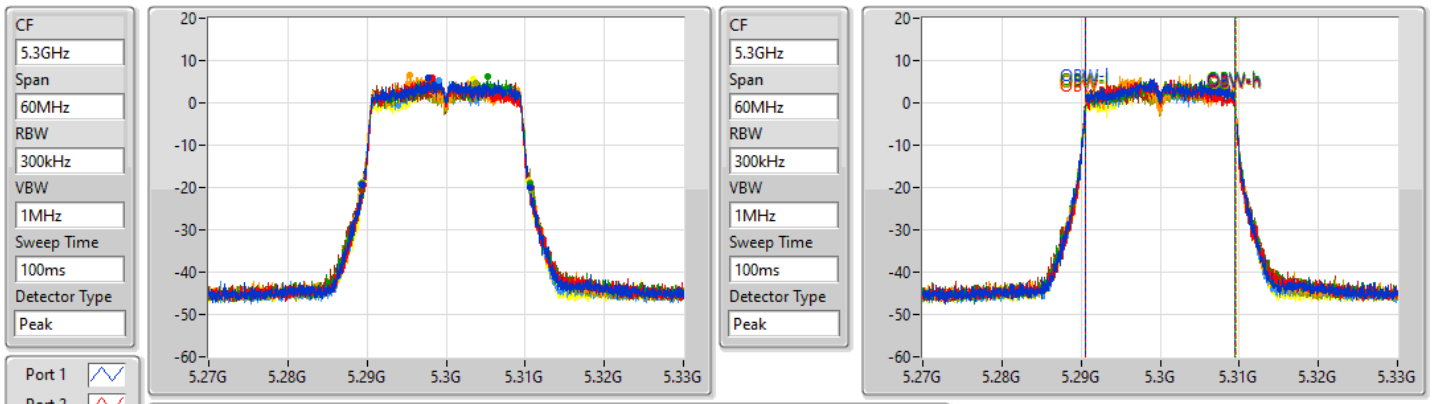


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.24932G	5.27062G	18.951M	5.250525G	5.269475G	Inf	1
21.48M	5.24905G	5.27053G	18.921M	5.250525G	5.269445G	Inf	2
21.24M	5.24923G	5.27047G	18.951M	5.250495G	5.269445G	Inf	3
21.27M	5.24929G	5.27056G	19.07M	5.250465G	5.269535G	Inf	4
21.81M	5.24896G	5.27077G	18.951M	5.250525G	5.269475G	Inf	5
21.09M	5.2495G	5.27059G	18.891M	5.250585G	5.269475G	Inf	6
21.15M	5.24941G	5.27056G	18.861M	5.250555G	5.269415G	Inf	7
21.03M	5.24944G	5.27047G	18.771M	5.250615G	5.269385G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5300MHz

08/01/2022

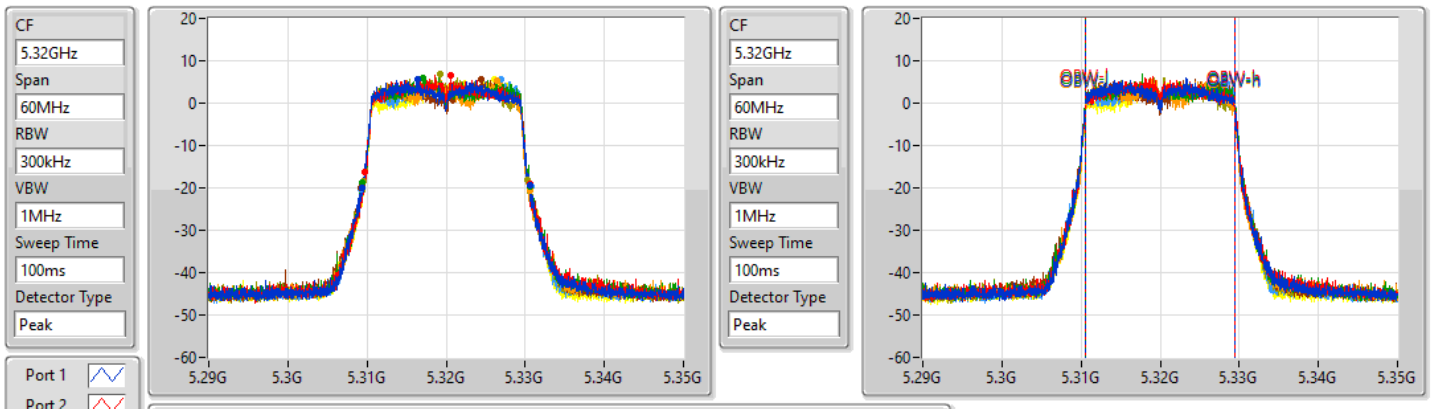


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.28944G	5.31065G	18.951M	5.290555G	5.309505G	Inf	1
21.03M	5.2895G	5.31053G	18.891M	5.290555G	5.309445G	Inf	2
21.21M	5.28941G	5.31062G	18.921M	5.290555G	5.309475G	Inf	3
21.12M	5.28947G	5.31059G	19.04M	5.290495G	5.309535G	Inf	4
21.48M	5.28935G	5.31083G	19.01M	5.290495G	5.309505G	Inf	5
21.51M	5.28929G	5.3108G	19.01M	5.290525G	5.309535G	Inf	6
21.45M	5.28926G	5.31071G	18.951M	5.290525G	5.309475G	Inf	7
20.88M	5.28959G	5.31047G	18.891M	5.290585G	5.309475G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5320MHz

08/01/2022

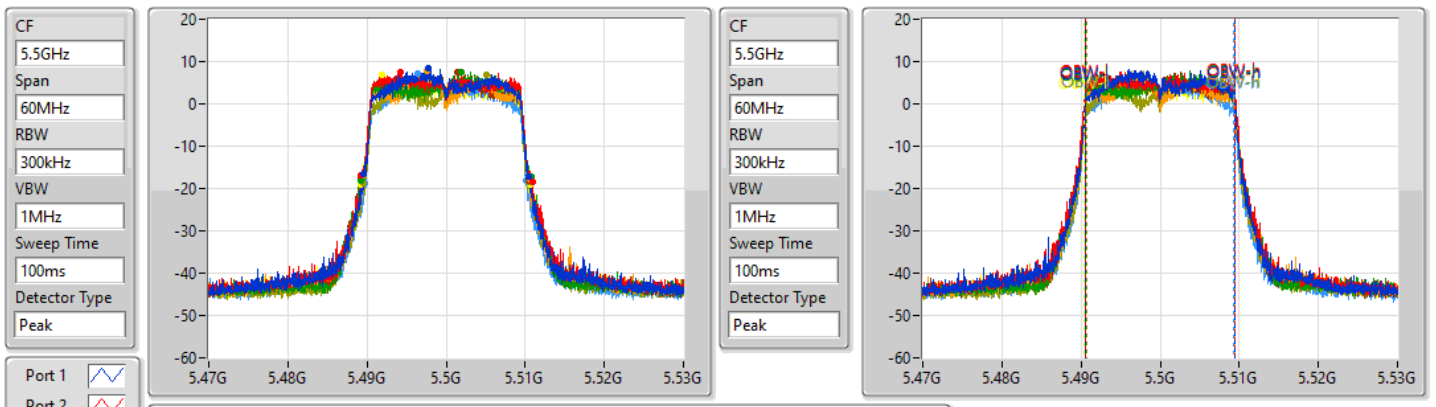


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.30944G	5.33056G	18.921M	5.310525G	5.329445G	Inf	1
20.94M	5.30965G	5.33059G	18.891M	5.310555G	5.329445G	Inf	2
21.09M	5.30947G	5.33056G	18.981M	5.310525G	5.329505G	Inf	3
21.09M	5.30947G	5.33056G	18.801M	5.310585G	5.329385G	Inf	4
21.42M	5.30926G	5.33068G	18.981M	5.310495G	5.329475G	Inf	5
20.73M	5.30953G	5.33026G	18.891M	5.310525G	5.329415G	Inf	6
21.45M	5.30926G	5.33071G	18.981M	5.310525G	5.329505G	Inf	7
21.24M	5.30944G	5.33068G	18.891M	5.310585G	5.329475G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5500MHz

08/01/2022



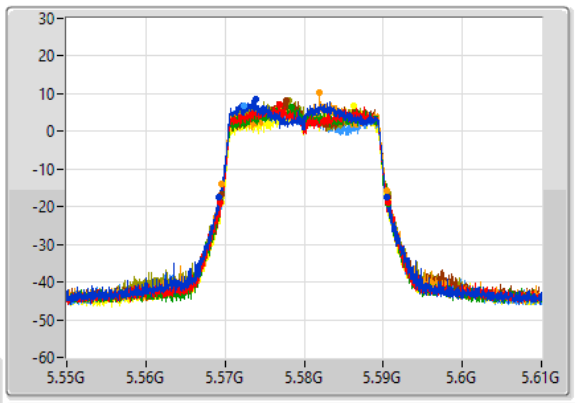
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.82M	5.48959G	5.51041G	18.771M	5.490615G	5.509385G	Inf	1
21.75M	5.48923G	5.51098G	19.01M	5.490495G	5.509505G	Inf	2
21.48M	5.48926G	5.51074G	19.01M	5.490495G	5.509505G	Inf	3
21.06M	5.48947G	5.51053G	18.981M	5.490495G	5.509475G	Inf	4
21.24M	5.48923G	5.51047G	18.951M	5.490495G	5.509445G	Inf	5
20.94M	5.48956G	5.5105G	18.741M	5.490645G	5.509385G	Inf	6
20.49M	5.48968G	5.51017G	18.621M	5.490675G	5.509295G	Inf	7
21.48M	5.48914G	5.51062G	19.1M	5.490405G	5.509505G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

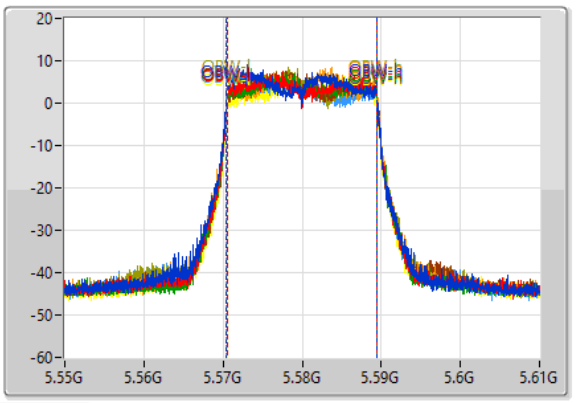
5580MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

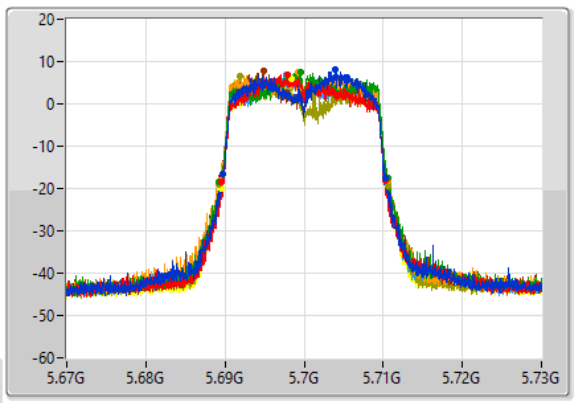
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.15M	5.56929G	5.59044G	18.981M	5.570465G	5.589445G	Inf	1
21.21M	5.56941G	5.59062G	18.951M	5.570525G	5.589475G	Inf	2
21.24M	5.56941G	5.59065G	18.981M	5.570525G	5.589505G	Inf	3
20.82M	5.56959G	5.59041G	19.04M	5.570465G	5.589505G	Inf	4
20.91M	5.56962G	5.59053G	18.951M	5.570555G	5.589505G	Inf	5
21.18M	5.56938G	5.59056G	18.921M	5.570525G	5.589445G	Inf	6
21.12M	5.56941G	5.59053G	19.04M	5.570465G	5.589505G	Inf	7
21.03M	5.5695G	5.59053G	18.861M	5.570585G	5.589445G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

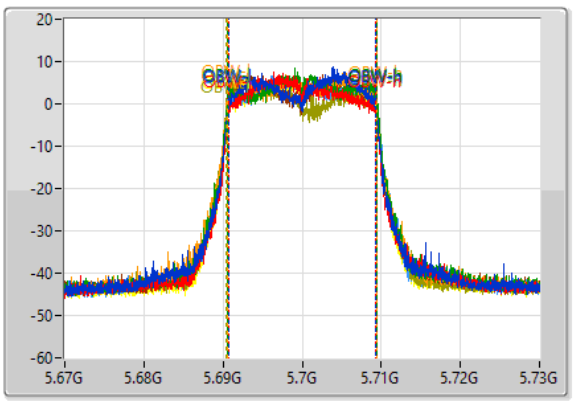
5700MHz

08/01/2022

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



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



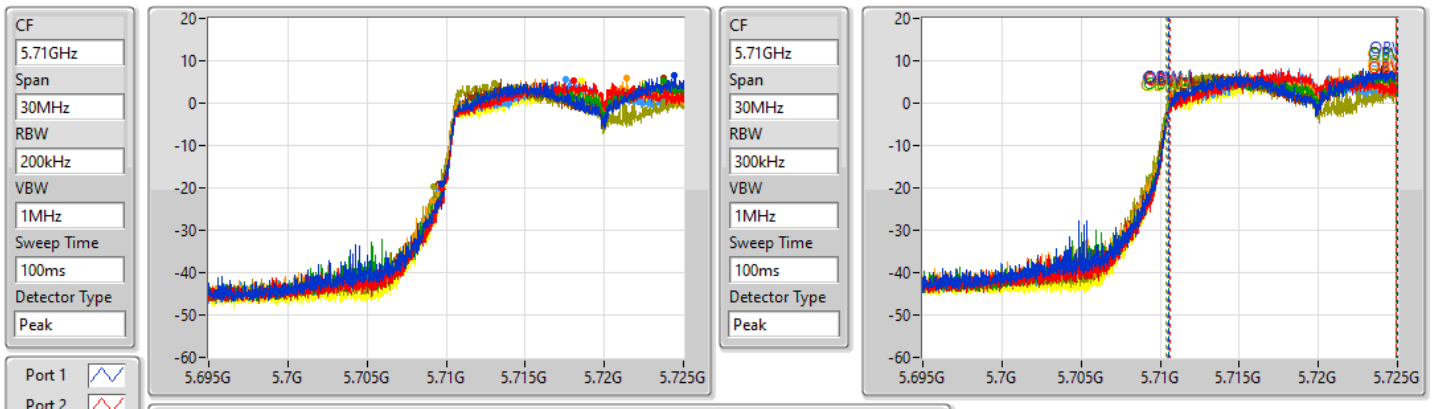
Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.67M	5.68968G	5.71035G	18.681M	5.690645G	5.709325G	Inf	1
20.61M	5.68959G	5.7102G	18.681M	5.690645G	5.709325G	Inf	2
21.33M	5.68929G	5.71062G	18.981M	5.690525G	5.709505G	Inf	3
21.21M	5.68935G	5.71056G	18.951M	5.690495G	5.709445G	Inf	4
20.76M	5.68956G	5.71032G	18.831M	5.690555G	5.709385G	Inf	5
21.3M	5.68926G	5.71056G	19.1M	5.690405G	5.709505G	Inf	6
21.18M	5.68947G	5.71065G	18.981M	5.690525G	5.709505G	Inf	7
21.06M	5.68953G	5.71059G	18.801M	5.690615G	5.709415G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5720MHz Straddle 5.47-5.725GHz

08/01/2022

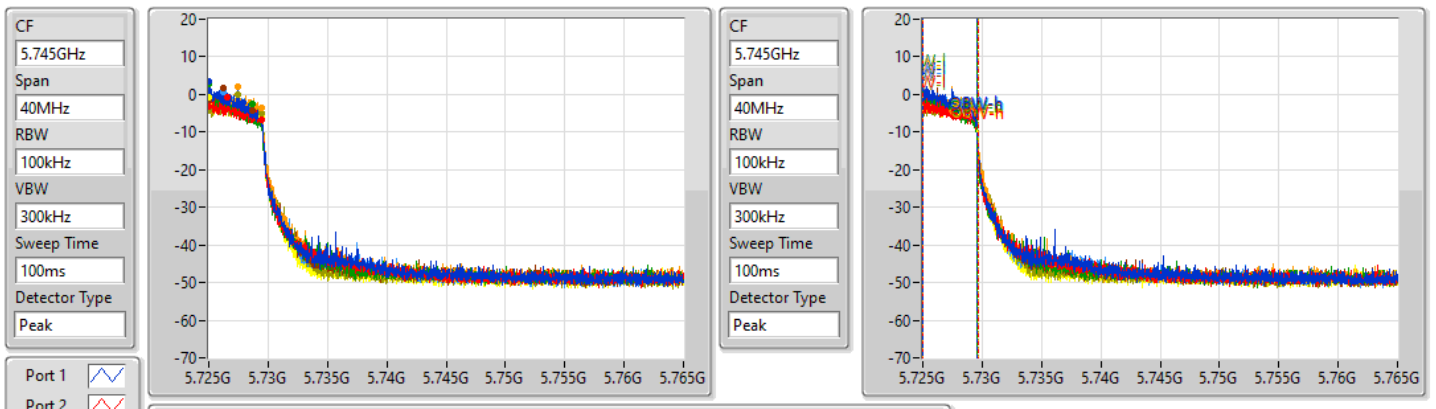


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.255M	5.709745G	5.725G	14.378M	5.710585G	5.724963G	Inf	1
15.255M	5.709745G	5.725G	14.288M	5.710615G	5.724903G	Inf	2
15.27M	5.70973G	5.725G	14.348M	5.710585G	5.724933G	Inf	3
15.405M	5.709595G	5.725G	14.378M	5.710525G	5.724903G	Inf	4
15.435M	5.709565G	5.725G	14.423M	5.710525G	5.724948G	Inf	5
15.78M	5.70922G	5.725G	14.558M	5.710375G	5.724933G	Inf	6
15.555M	5.709445G	5.725G	14.453M	5.71048G	5.724933G	Inf	7
15.21M	5.70979G	5.725G	14.348M	5.71057G	5.724918G	Inf	8

802.11ax HEW20_Nss1,(MCS0)_8TX **EBW**

5720MHz Straddle 5.725-5.85GHz

08/01/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.88M	5.725G	5.72788G	4.558M	5.72501G	5.729568G	500k	1
4.44M	5.725G	5.72944G	4.618M	5.72501G	5.729628G	500k	2
3.72M	5.725G	5.72872G	4.578M	5.72501G	5.729588G	500k	3
4.44M	5.72504G	5.72948G	4.638M	5.72501G	5.729648G	500k	4
3.7M	5.725G	5.7287G	4.558M	5.72501G	5.729568G	500k	5
4.48M	5.725G	5.72948G	4.638M	5.72503G	5.729668G	500k	6
4.5M	5.725G	5.7295G	4.618M	5.72501G	5.729628G	500k	7
4.46M	5.725G	5.72946G	4.598M	5.72501G	5.729608G	500k	8

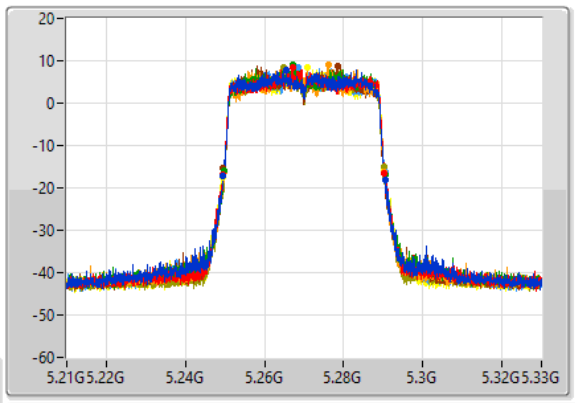
802.11ax HEW40_Nss1,(MCS0)_8TX

EBW

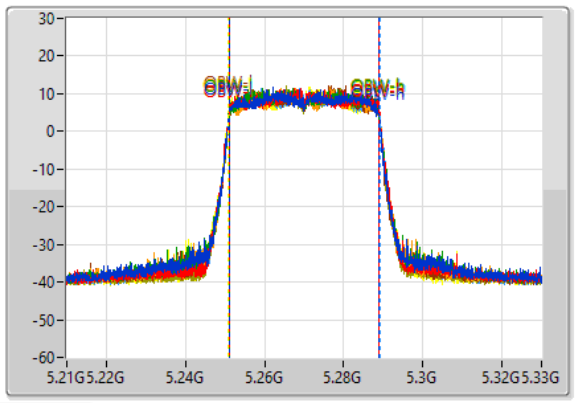
5270MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.24954G	5.29058G	37.901M	5.25099G	5.288891G	Inf	1
40.98M	5.24936G	5.29034G	38.021M	5.25099G	5.28901G	Inf	2
40.92M	5.24978G	5.2907G	37.961M	5.251049G	5.28901G	Inf	3
40.62M	5.24966G	5.29028G	37.961M	5.251049G	5.28901G	Inf	4
40.74M	5.24954G	5.29028G	37.841M	5.251049G	5.288891G	Inf	5
40.74M	5.2496G	5.29034G	37.721M	5.251109G	5.288831G	Inf	6
40.8M	5.2496G	5.2904G	38.141M	5.25099G	5.28913G	Inf	7
40.8M	5.24954G	5.29034G	38.081M	5.25093G	5.28901G	Inf	8

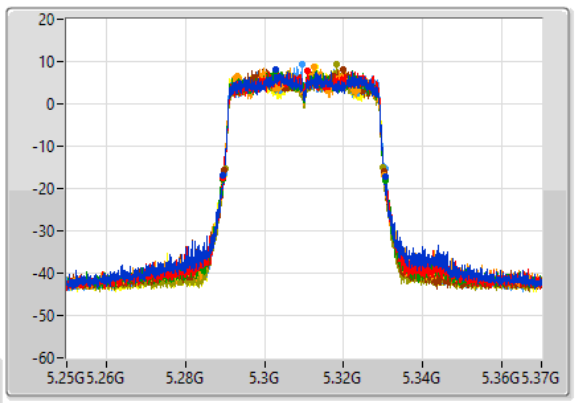
802.11ax HEW40_Nss1,(MCS0)_8TX

EBW

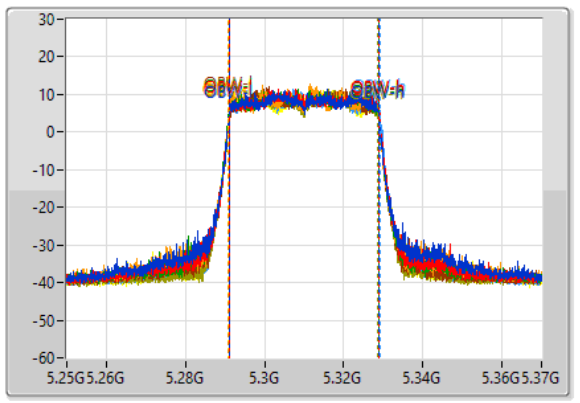
5310MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

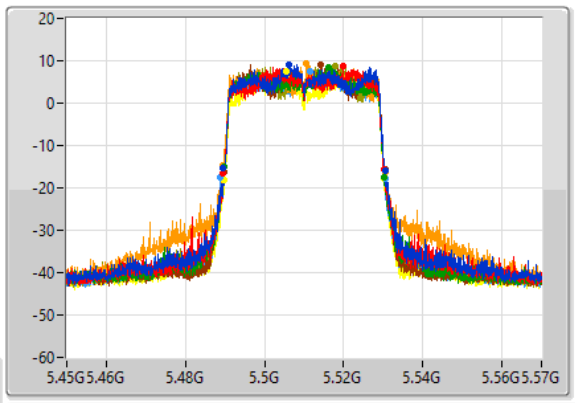
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.28954G	5.33058G	37.841M	5.291049G	5.328891G	Inf	1
40.86M	5.2896G	5.33046G	37.961M	5.291049G	5.32901G	Inf	2
40.86M	5.28954G	5.3304G	37.841M	5.29099G	5.328831G	Inf	3
40.56M	5.2896G	5.33016G	37.841M	5.29093G	5.328771G	Inf	4
40.56M	5.28972G	5.33028G	37.841M	5.291049G	5.328891G	Inf	5
40.02M	5.29002G	5.33004G	37.601M	5.291109G	5.328711G	Inf	6
40.8M	5.28972G	5.33052G	38.081M	5.29099G	5.32907G	Inf	7
40.62M	5.28966G	5.33028G	38.081M	5.29093G	5.32901G	Inf	8

802.11ax HEW40_Nss1,(MCS0)_8TX **EBW**

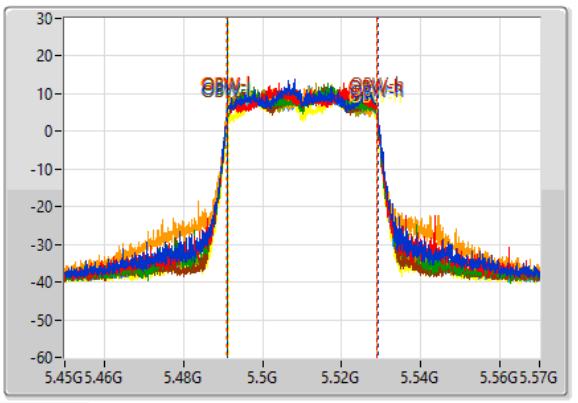
5510MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

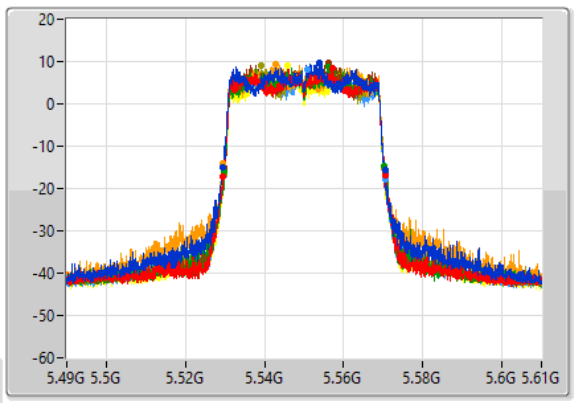
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.92M	5.48948G	5.5304G	38.081M	5.491049G	5.52913G	Inf	1
40.74M	5.4896G	5.53034G	37.901M	5.491049G	5.528951G	Inf	2
40.38M	5.4899G	5.53028G	37.721M	5.491169G	5.528891G	Inf	3
41.16M	5.48942G	5.53058G	38.141M	5.49087G	5.52901G	Inf	4
40.62M	5.48978G	5.5304G	37.961M	5.491109G	5.52907G	Inf	5
40.8M	5.4896G	5.5304G	37.961M	5.49099G	5.528951G	Inf	6
41.64M	5.48876G	5.5304G	38.081M	5.49087G	5.528951G	Inf	7
40.44M	5.48984G	5.53028G	37.541M	5.491289G	5.528831G	Inf	8

802.11ax HEW40_Nss1,(MCS0)_8TX **EBW**

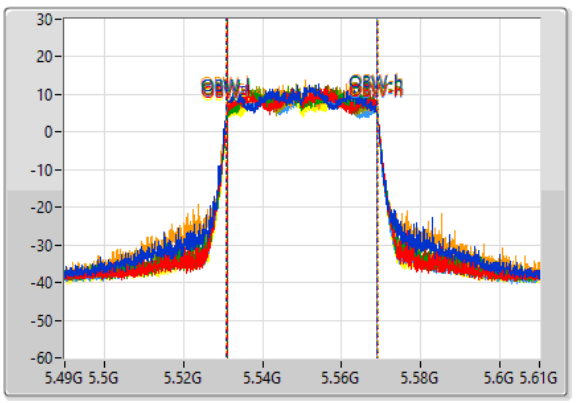
5550MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

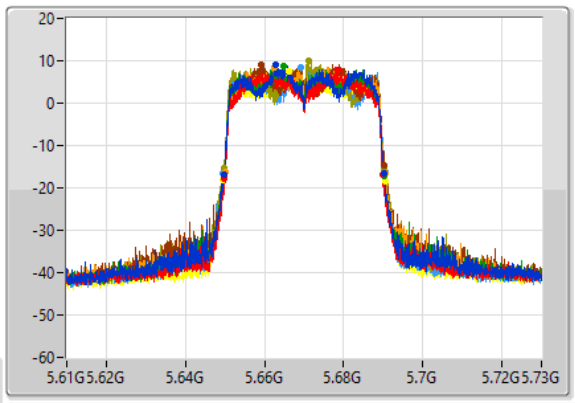
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.52948G	5.57052G	38.141M	5.53087G	5.56901G	Inf	1
41.1M	5.5296G	5.5707G	38.021M	5.53099G	5.56901G	Inf	2
40.44M	5.52984G	5.57028G	37.901M	5.531109G	5.56901G	Inf	3
41.04M	5.52948G	5.57052G	38.201M	5.53087G	5.56907G	Inf	4
40.56M	5.52984G	5.5704G	38.021M	5.531049G	5.56907G	Inf	5
40.56M	5.52972G	5.57028G	37.961M	5.53099G	5.568951G	Inf	6
40.98M	5.52966G	5.57064G	38.021M	5.53093G	5.568951G	Inf	7
40.38M	5.52984G	5.57022G	37.781M	5.531169G	5.568951G	Inf	8

802.11ax HEW40_Nss1,(MCS0)_8TX **EBW**

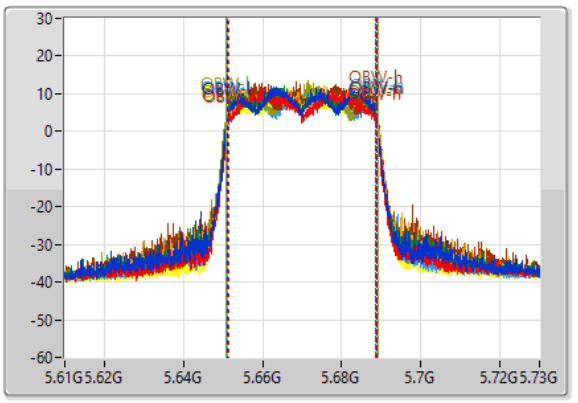
5670MHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

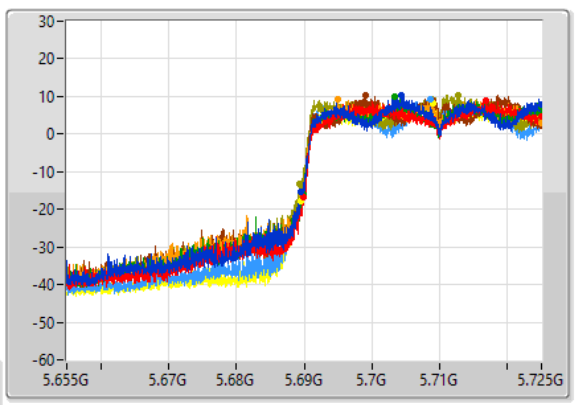
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.64966G	5.69028G	37.661M	5.651109G	5.688771G	Inf	1
40.14M	5.64984G	5.68998G	37.361M	5.651289G	5.688651G	Inf	2
40.44M	5.64978G	5.69022G	37.661M	5.651049G	5.688711G	Inf	3
40.68M	5.64996G	5.69064G	37.901M	5.651169G	5.68907G	Inf	4
40.56M	5.64978G	5.69034G	37.901M	5.651109G	5.68901G	Inf	5
40.68M	5.64966G	5.69034G	38.201M	5.65087G	5.68907G	Inf	6
41.16M	5.6493G	5.69046G	38.261M	5.65087G	5.68913G	Inf	7
40.92M	5.6496G	5.69052G	38.021M	5.651049G	5.68907G	Inf	8

802.11ax HEW40_Nss1,(MCS0)_8TX **EBW**

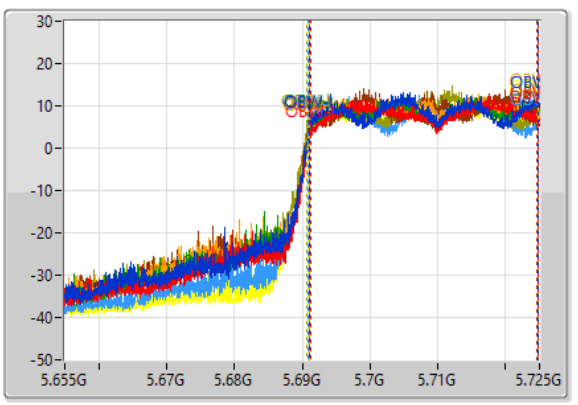
5710MHz Straddle 5.47-5.725GHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4
Port 5
Port 6
Port 7
Port 8

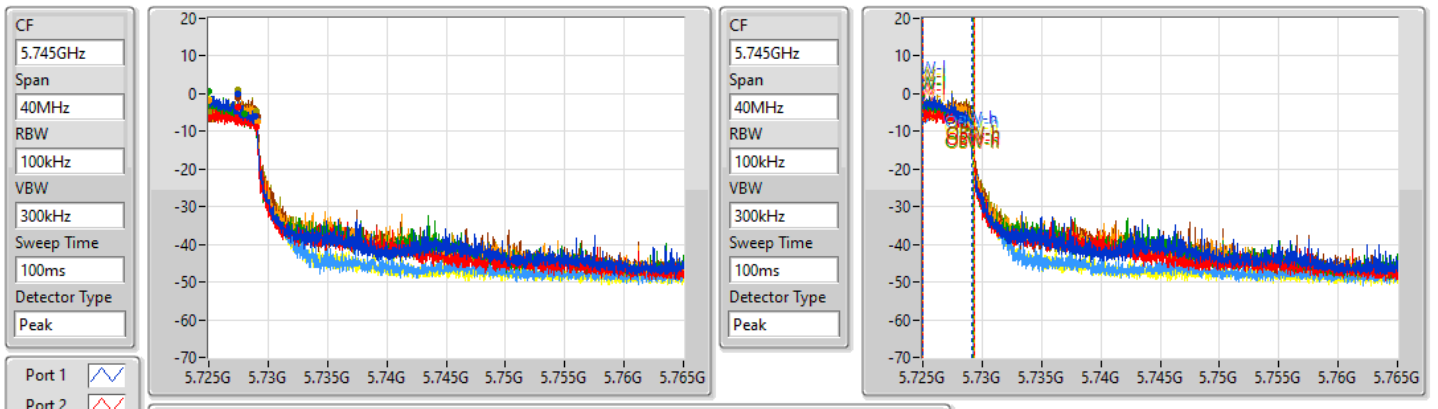
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.525M	5.689475G	5.725G	33.793M	5.691084G	5.724878G	Inf	1
35.14M	5.68986G	5.725G	33.548M	5.691224G	5.724773G	Inf	2
35.175M	5.689825G	5.725G	33.758M	5.691084G	5.724843G	Inf	3
35.28M	5.68972G	5.725G	33.618M	5.691119G	5.724738G	Inf	4
35.315M	5.689685G	5.725G	33.688M	5.69098G	5.724668G	Inf	5
35.63M	5.68937G	5.725G	34.003M	5.69077G	5.724773G	Inf	6
35.35M	5.68965G	5.725G	33.863M	5.690875G	5.724738G	Inf	7
35.56M	5.68944G	5.725G	33.898M	5.69091G	5.724808G	Inf	8

802.11ax HEW40_Nss1,(MCS0)_8TX

EBW

5710MHz Straddle 5.725-5.85GHz

08/01/2022



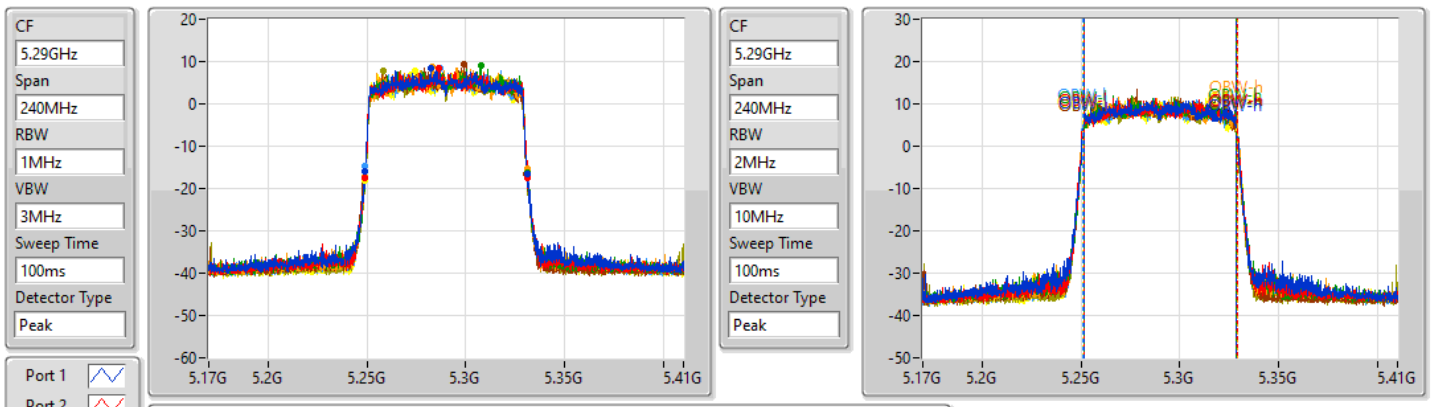
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.94M	5.725G	5.72894G	4.138M	5.72501G	5.729148G	500k	1
4.04M	5.725G	5.72904G	4.358M	5.72501G	5.729368G	500k	2
2.96M	5.725G	5.72796G	4.238M	5.72501G	5.729248G	500k	3
4.12M	5.725G	5.72912G	4.338M	5.72503G	5.729368G	500k	4
4.14M	5.725G	5.72914G	4.378M	5.72501G	5.729388G	500k	5
4.02M	5.725G	5.72902G	4.278M	5.72503G	5.729308G	500k	6
4.1M	5.725G	5.7291G	4.178M	5.72503G	5.729208G	500k	7
4M	5.725G	5.729G	4.198M	5.72501G	5.729208G	500k	8

802.11ax HEW80_Nss1,(MCS0)_8TX

EBW

5290MHz

08/01/2022



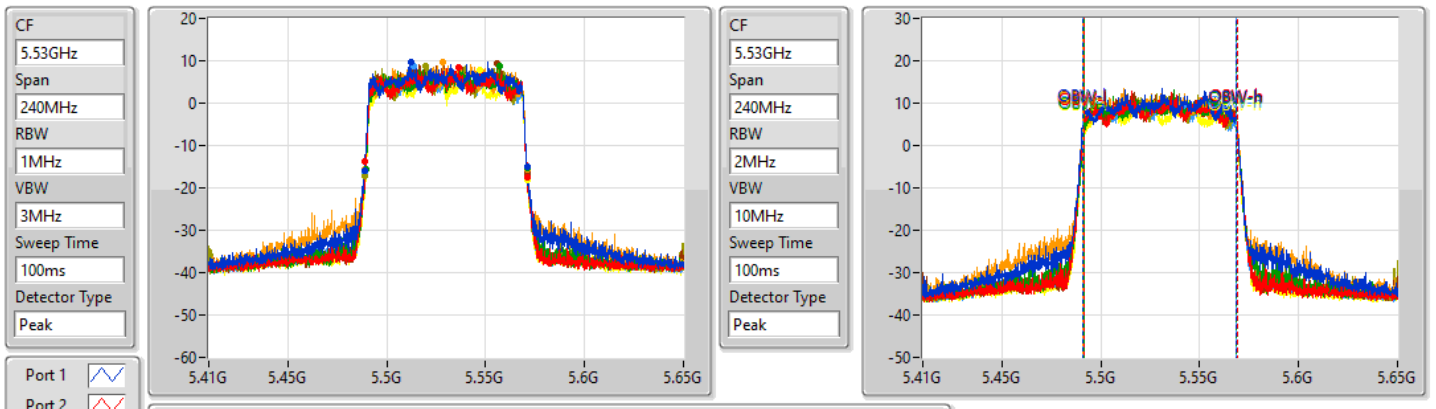
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.24884G	5.33092G	77.241M	5.251259G	5.328501G	Inf	1
82.44M	5.24872G	5.33116G	77.601M	5.251259G	5.328861G	Inf	2
82.2M	5.24884G	5.33104G	77.241M	5.251499G	5.328741G	Inf	3
81.84M	5.24908G	5.33092G	77.601M	5.251259G	5.328861G	Inf	4
81.72M	5.24896G	5.33068G	77.001M	5.251379G	5.328381G	Inf	5
82.2M	5.24872G	5.33092G	76.882M	5.251499G	5.328381G	Inf	6
82.32M	5.24908G	5.3314G	77.721M	5.251139G	5.328861G	Inf	7
82.2M	5.24884G	5.33104G	77.601M	5.251139G	5.328741G	Inf	8

802.11ax HEW80_Nss1,(MCS0)_8TX

EBW

5530MHz

08/01/2022



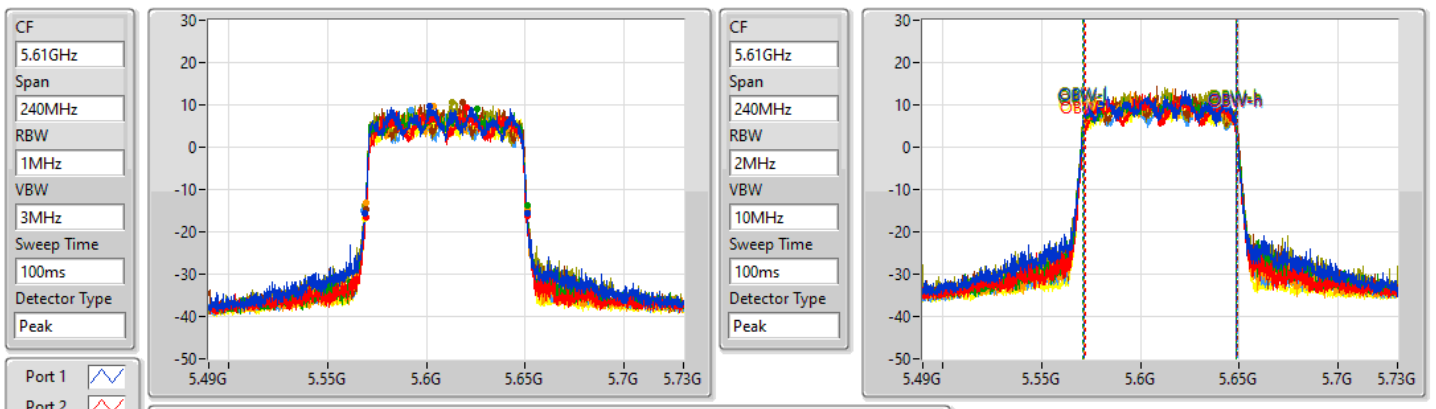
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.4886G	5.5708G	77.601M	5.491019G	5.568621G	Inf	1
81.96M	5.4892G	5.57116G	77.481M	5.491379G	5.568861G	Inf	2
81.84M	5.48932G	5.57116G	77.001M	5.491739G	5.568741G	Inf	3
82.44M	5.48896G	5.5714G	77.841M	5.4909G	5.568741G	Inf	4
82.56M	5.4886G	5.57116G	77.481M	5.491379G	5.568861G	Inf	5
82.2M	5.48872G	5.57092G	77.241M	5.491379G	5.568621G	Inf	6
82.32M	5.48872G	5.57104G	77.601M	5.491139G	5.568741G	Inf	7
81.96M	5.48908G	5.57104G	77.001M	5.491619G	5.568621G	Inf	8

802.11ax HEW80_Nss1,(MCS0)_8TX

EBW

5610MHz

08/01/2022

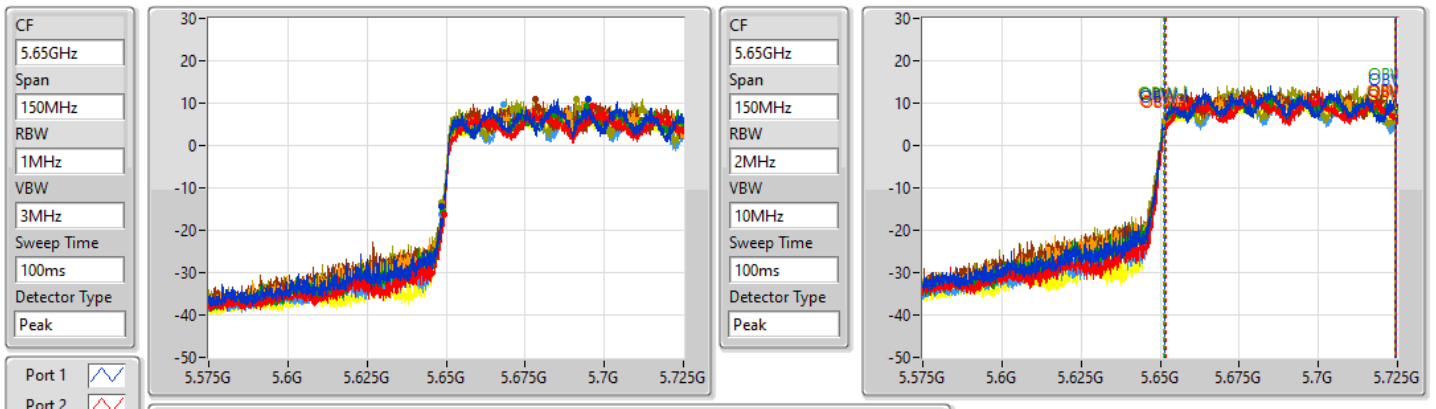


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.56884G	5.65092G	77.001M	5.571259G	5.648261G	Inf	1
81.36M	5.56956G	5.65092G	76.282M	5.571979G	5.648261G	Inf	2
82.2M	5.56872G	5.65092G	77.481M	5.571139G	5.648621G	Inf	3
81.36M	5.56944G	5.6508G	77.241M	5.571379G	5.648621G	Inf	4
81.6M	5.56932G	5.65092G	77.121M	5.571739G	5.648861G	Inf	5
81.96M	5.56908G	5.65104G	77.481M	5.571259G	5.648741G	Inf	6
82.68M	5.56848G	5.65116G	77.961M	5.571019G	5.648981G	Inf	7
82.08M	5.56896G	5.65104G	77.241M	5.571619G	5.648861G	Inf	8

802.11ax HEW80_Nss1,(MCS0)_8TX **EBW**

5690MHz Straddle 5.47-5.725GHz

08/01/2022

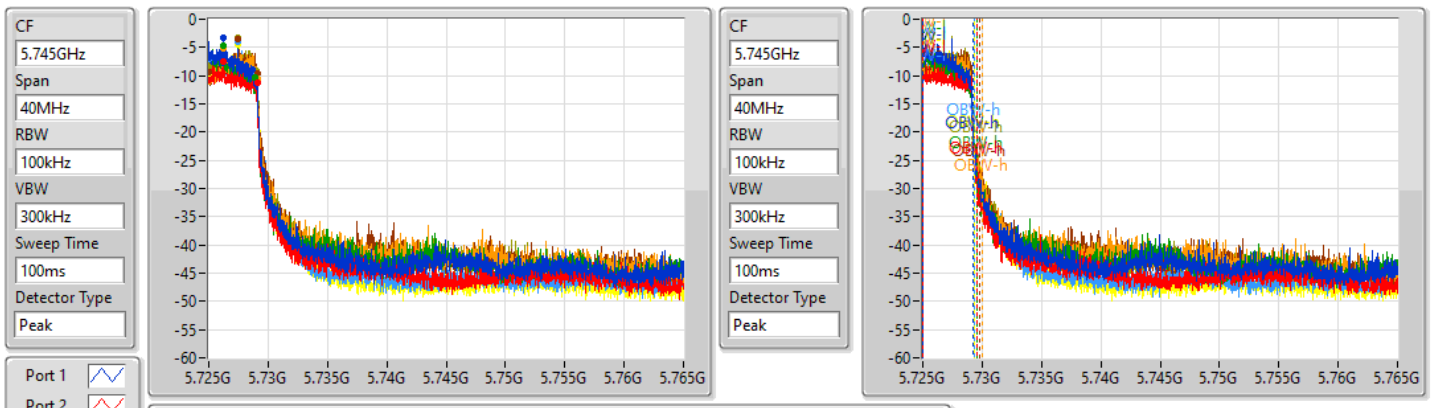


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.275M	5.648725G	5.725G	73.313M	5.651349G	5.724663G	Inf	1
75.675M	5.649325G	5.725G	72.639M	5.651799G	5.724438G	Inf	2
75.9M	5.6491G	5.725G	73.388M	5.651274G	5.724663G	Inf	3
76.05M	5.64895G	5.725G	72.789M	5.651649G	5.724438G	Inf	4
76.05M	5.64895G	5.725G	72.714M	5.651424G	5.724138G	Inf	5
76.275M	5.648725G	5.725G	73.388M	5.650975G	5.724363G	Inf	6
76.275M	5.648725G	5.725G	73.313M	5.650975G	5.724288G	Inf	7
76.05M	5.64895G	5.725G	73.238M	5.651199G	5.724438G	Inf	8

802.11ax HEW80_Nss1,(MCS0)_8TX **EBW**

5690MHz Straddle 5.725-5.85GHz

08/01/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.7M	5.725G	5.7287G	4.238M	5.72501G	5.729248G	500k	1
4.14M	5.725G	5.72914G	4.518M	5.72501G	5.729528G	500k	2
3.86M	5.725G	5.72886G	4.538M	5.72501G	5.729548G	500k	3
4.1M	5.725G	5.7291G	5.017M	5.72501G	5.730027G	500k	4
4.1M	5.725G	5.7291G	4.758M	5.72503G	5.729788G	500k	5
4.02M	5.72502G	5.72904G	4.538M	5.72503G	5.729568G	500k	6
4.02M	5.72502G	5.72904G	4.358M	5.72503G	5.729388G	500k	7
4M	5.725G	5.729G	4.298M	5.72501G	5.729308G	500k	8

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	82.44M	77.601M	77M6D1D	81.84M	77.241M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	82.92M	77.601M	77M6D1D	82.2M	77.361M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW80+80_Nss2,(MCS0)_8TX	82.8M	77.841M	77M8D1D	80.88M	76.042M

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

Result

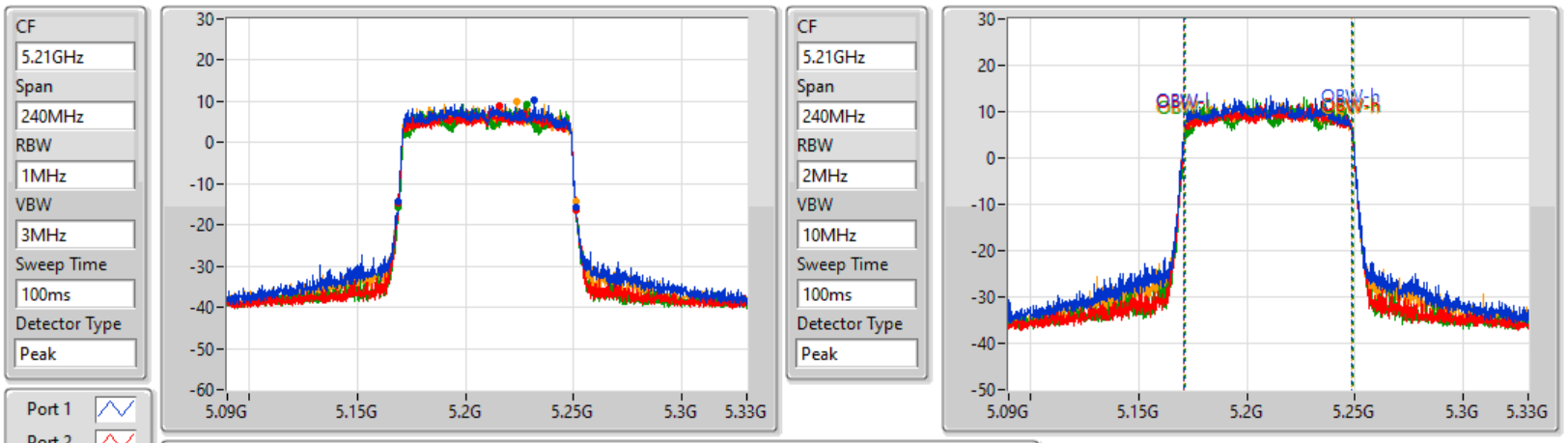
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)	Port 5-N dB (Hz)	Port 5-OBW (Hz)	Port 6-N dB (Hz)	Port 6-OBW (Hz)	Port 7-N dB (Hz)	Port 7-OBW (Hz)	Port 8-N dB (Hz)	Port 8-OBW (Hz)
802.11ax HEW80+80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	Inf	82.44M	77.481M	82.08M	77.601M	81.84M	77.241M	81.96M	77.601M								
5210MHz,#5290MHz	Pass	Inf									82.32M	77.481M	82.2M	77.361M	82.92M	77.601M	82.32M	77.361M
802.11ax HEW80+80_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	Inf	82.8M	77.481M	82.08M	77.481M	82.32M	77.121M	82.56M	77.841M	81.36M	76.882M	80.88M	76.042M	81.96M	76.882M	82.08M	77.001M

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

802.11ax HEW80+80_Nss1,(MCS0)_8TX #5210MHz,5290MHz

EBW

08/01/2022

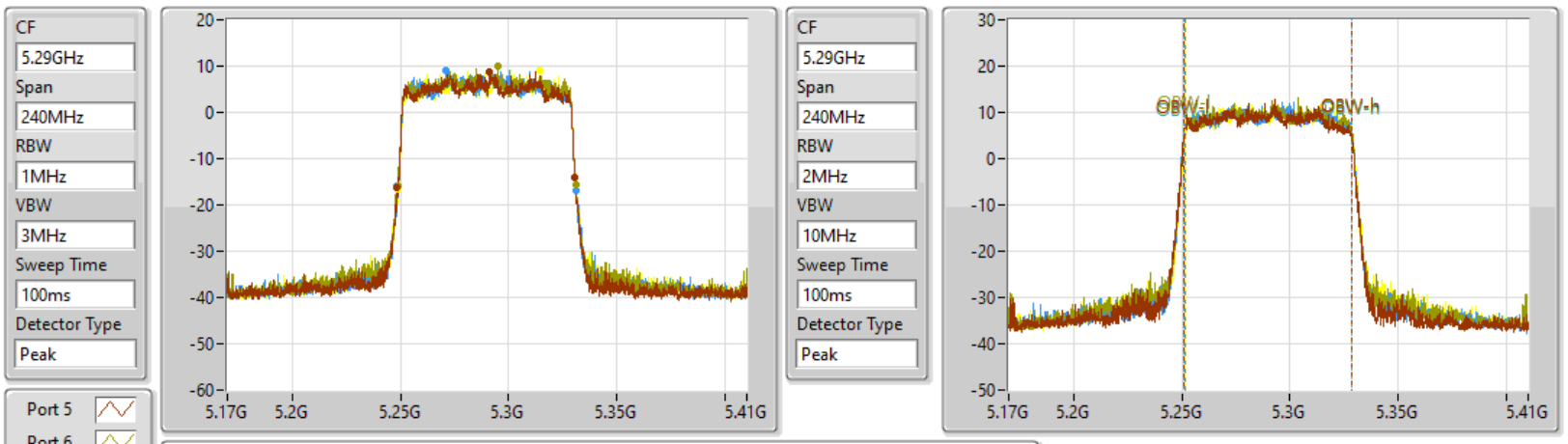


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	5.16884G	5.25128G	77.481M	5.171139G	5.248621G	Inf	1
82.08M	5.16896G	5.25104G	77.601M	5.171139G	5.248741G	Inf	2
81.84M	5.1692G	5.25104G	77.241M	5.171619G	5.248861G	Inf	3
81.96M	5.16884G	5.2508G	77.601M	5.171019G	5.248621G	Inf	4

802.11ax HEW80+80_Nss1,(MCS0)_8TX 5210MHz,#5290MHz

EBW

08/01/2022

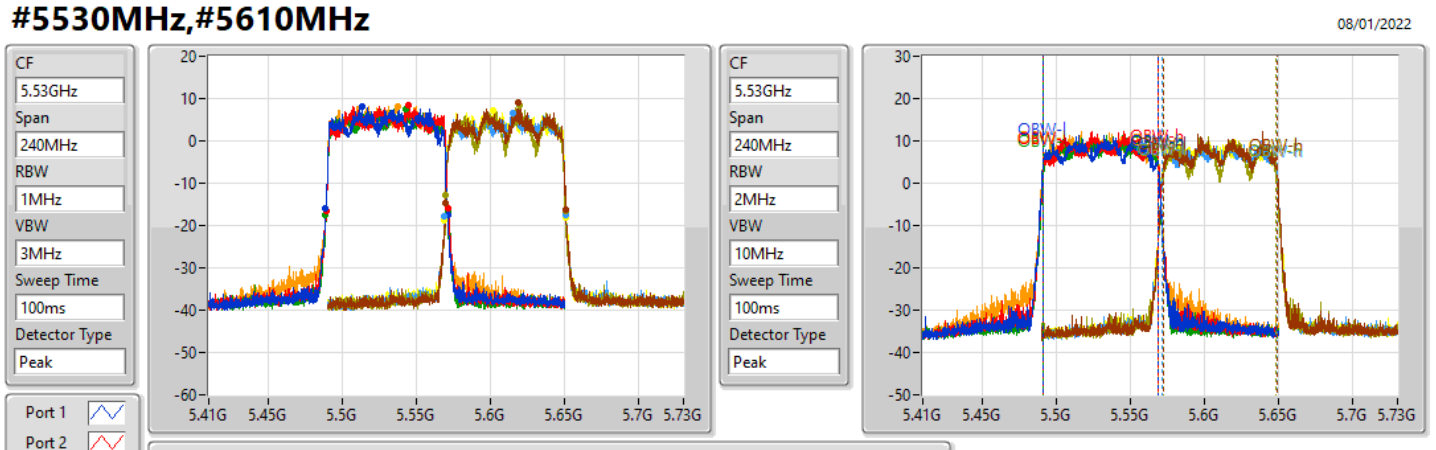


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.24836G	5.33068G	77.481M	5.251019G	5.328501G	Inf	5
82.2M	5.2486G	5.3308G	77.361M	5.251259G	5.328621G	Inf	6
82.92M	5.24848G	5.3314G	77.601M	5.251019G	5.328621G	Inf	7
82.32M	5.24884G	5.33116G	77.361M	5.251379G	5.328741G	Inf	8

802.11ax HEW80+80_Nss2,(MCS0)_8TX #5530MHz,#5610MHz

EBW

08/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.8M	5.48848G	5.57128G	77.481M	5.491019G	5.568501G	Inf	1
82.08M	5.48908G	5.57116G	77.481M	5.491379G	5.568861G	Inf	2
82.32M	5.48884G	5.57116G	77.121M	5.491499G	5.568621G	Inf	3
82.56M	5.4886G	5.57116G	77.841M	5.491019G	5.568861G	Inf	4
81.36M	5.56956G	5.65092G	76.882M	5.571859G	5.648741G	Inf	5
80.88M	5.56956G	5.65044G	76.042M	5.572099G	5.648141G	Inf	6
81.96M	5.56896G	5.65092G	76.882M	5.571619G	5.648501G	Inf	7
82.08M	5.56896G	5.65104G	77.001M	5.571619G	5.648621G	Inf	8

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.27M	16.582M	16M6D1D	19.11M	16.342M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.87M	19.04M	19M0D1D	21.09M	18.861M
802.11ax HEW40_Nss1,(MCS0)_4TX	42M	38.261M	38M3D1D	40.38M	37.961M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.32M	77.721M	77M7D1D	81.72M	77.121M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	19.38M	16.432M	19.17M	16.372M	19.32M	16.492M	19.53M	16.402M
5300MHz	Pass	Inf	19.53M	16.402M	19.11M	16.342M	19.59M	16.462M	19.23M	16.432M
5320MHz	Pass	Inf	21.27M	16.582M	19.92M	16.582M	19.77M	16.522M	19.74M	16.462M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	21.3M	18.981M	21.36M	18.921M	21.3M	19.04M	21.24M	18.861M
5300MHz	Pass	Inf	21.87M	19.01M	21.24M	18.921M	21.45M	18.981M	21.12M	18.951M
5320MHz	Pass	Inf	21.39M	18.861M	21.69M	18.981M	21.3M	18.981M	21.09M	18.921M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	41.76M	38.261M	41.04M	38.201M	42M	38.081M	40.86M	37.961M
5310MHz	Pass	Inf	41.04M	38.081M	40.68M	38.201M	40.86M	38.081M	40.38M	37.961M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.32M	77.361M	82.2M	77.721M	81.72M	77.361M	82.08M	77.121M

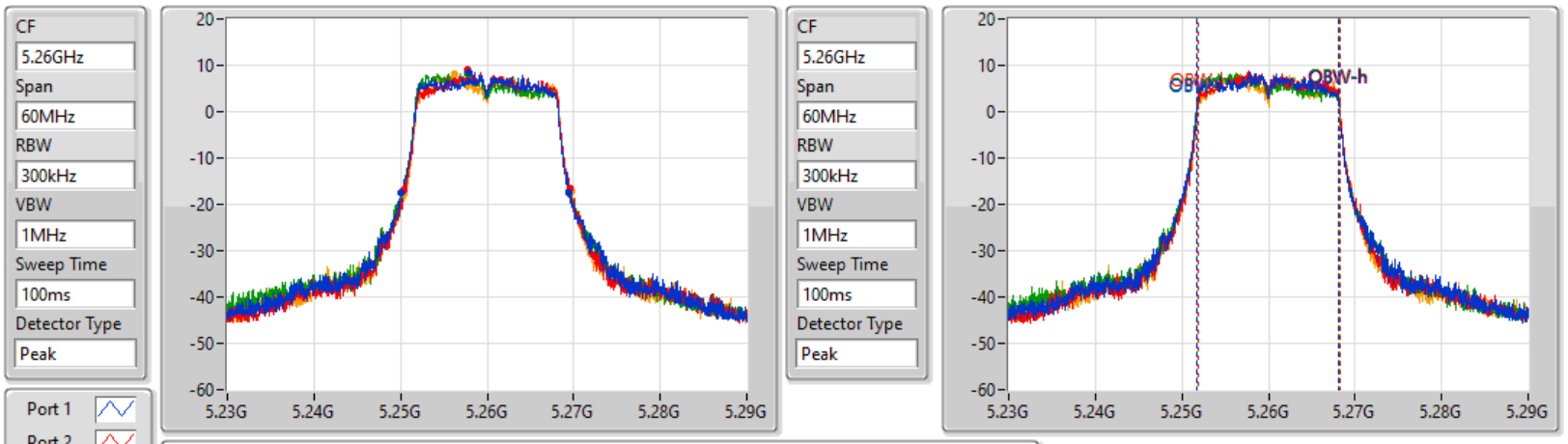
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

08/01/2022



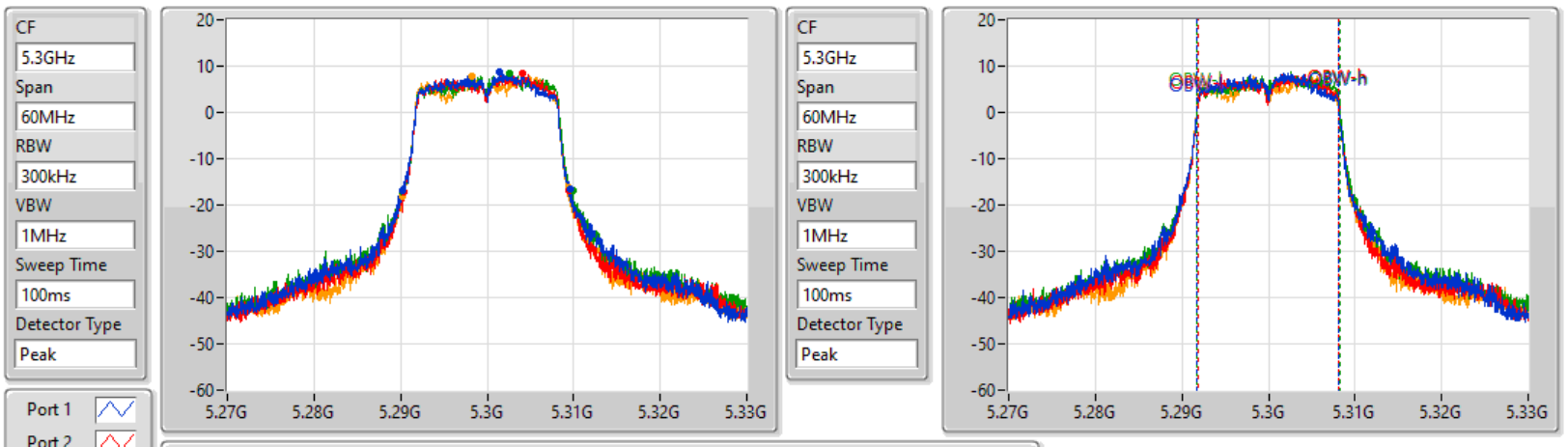
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.38M	5.2501G	5.26948G	16.432M	5.251724G	5.268156G	Inf	1
19.17M	5.25043G	5.2696G	16.372M	5.251844G	5.268216G	Inf	2
19.32M	5.25016G	5.26948G	16.492M	5.251694G	5.268186G	Inf	3
19.53M	5.25031G	5.26984G	16.402M	5.251844G	5.268246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

08/01/2022



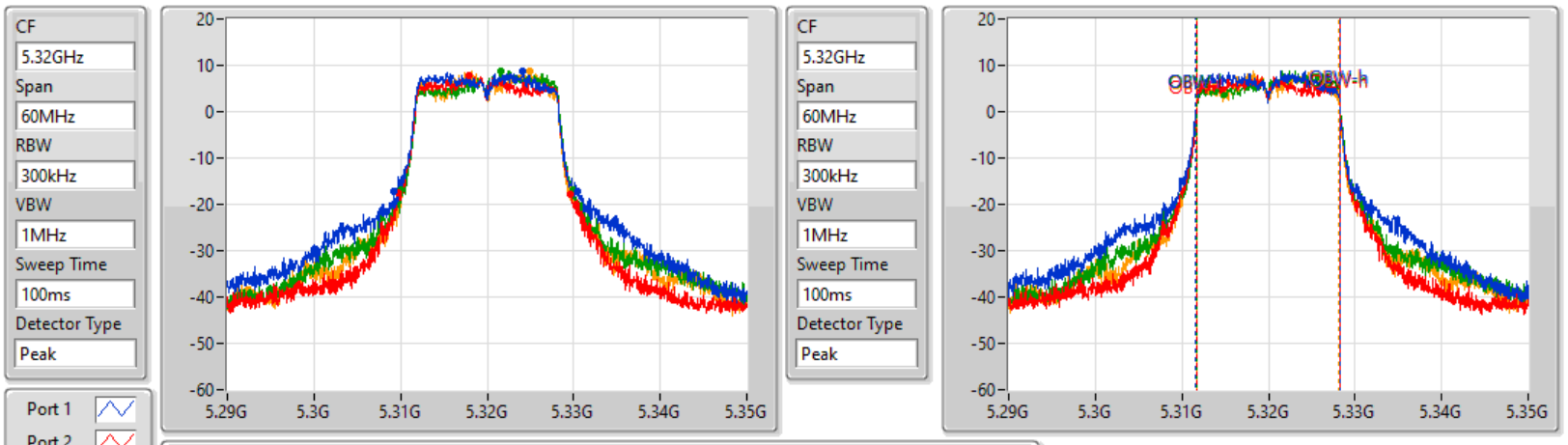
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.53M	5.29016G	5.30969G	16.402M	5.291754G	5.308156G	Inf	1
19.11M	5.2904G	5.30951G	16.342M	5.291814G	5.308156G	Inf	2
19.59M	5.29028G	5.30987G	16.462M	5.291784G	5.308246G	Inf	3
19.23M	5.29025G	5.30948G	16.432M	5.291724G	5.308156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

08/01/2022



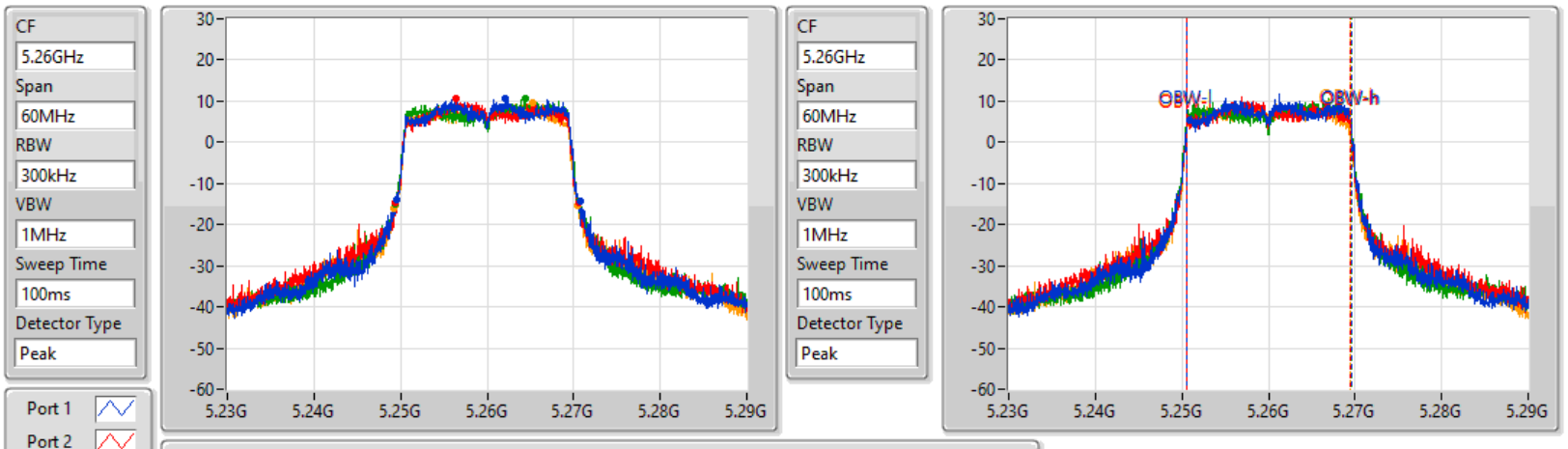
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.27M	5.30923G	5.3305G	16.582M	5.311634G	5.328216G	Inf	1
19.92M	5.30977G	5.32969G	16.582M	5.311694G	5.328276G	Inf	2
19.77M	5.3101G	5.32987G	16.522M	5.311784G	5.328306G	Inf	3
19.74M	5.3101G	5.32984G	16.462M	5.311724G	5.328186G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

28/03/2022



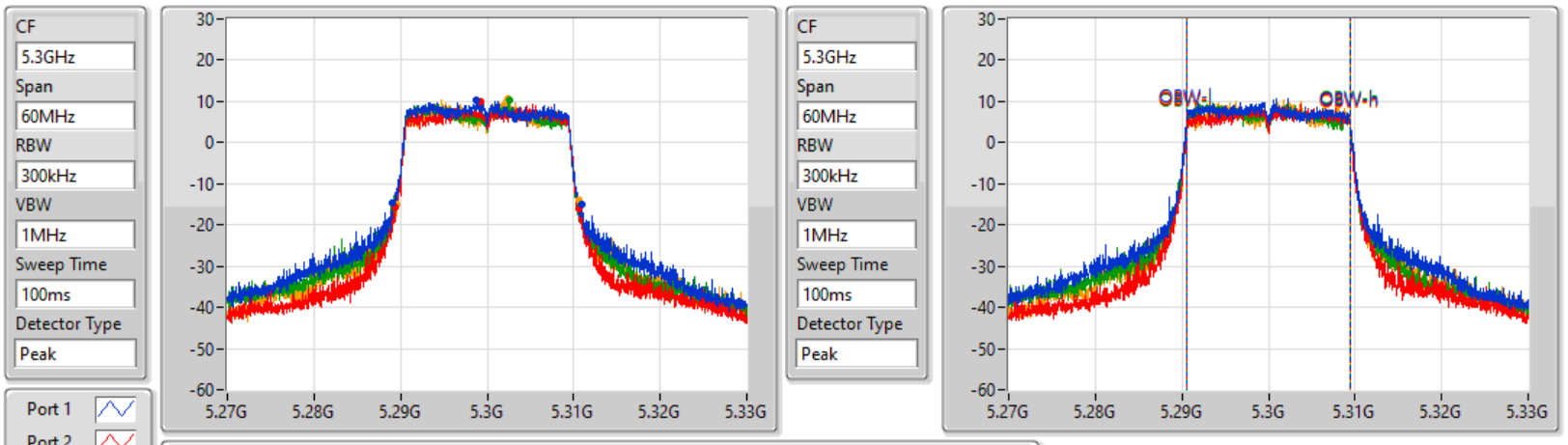
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.3M	5.2495G	5.2708G	18.981M	5.250555G	5.269535G	Inf	1
21.36M	5.24932G	5.27068G	18.921M	5.250555G	5.269475G	Inf	2
21.3M	5.24932G	5.27062G	19.04M	5.250495G	5.269535G	Inf	3
21.24M	5.24926G	5.2705G	18.861M	5.250555G	5.269415G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

08/01/2022



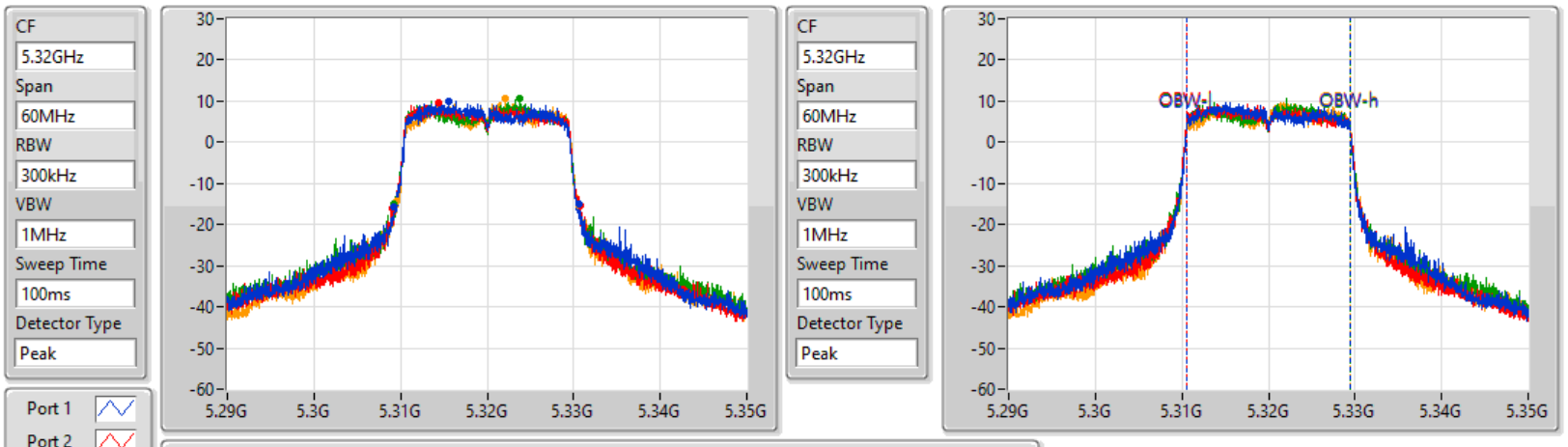
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.87M	5.28905G	5.31092G	19.01M	5.290495G	5.309505G	Inf	1
21.24M	5.28935G	5.31059G	18.921M	5.290555G	5.309475G	Inf	2
21.45M	5.28917G	5.31062G	18.981M	5.290495G	5.309475G	Inf	3
21.12M	5.2895G	5.31062G	18.951M	5.290555G	5.309505G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

08/01/2022



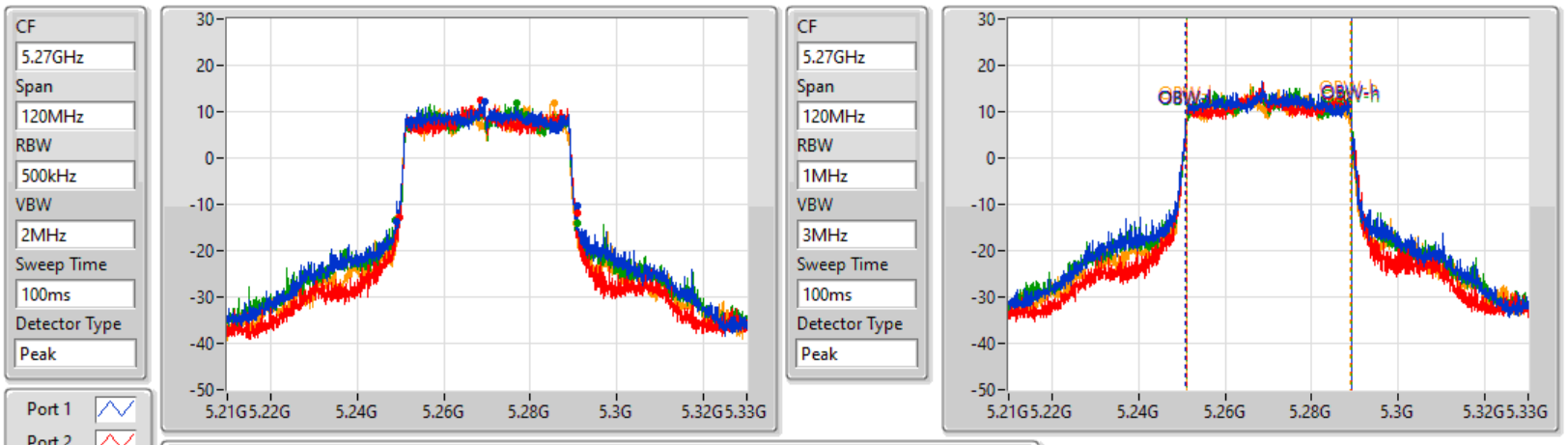
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.30923G	5.33062G	18.861M	5.310555G	5.329415G	Inf	1
21.69M	5.30902G	5.33071G	18.981M	5.310495G	5.329475G	Inf	2
21.3M	5.30923G	5.33053G	18.981M	5.310495G	5.329475G	Inf	3
21.09M	5.30953G	5.33062G	18.921M	5.310555G	5.329475G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

08/01/2022



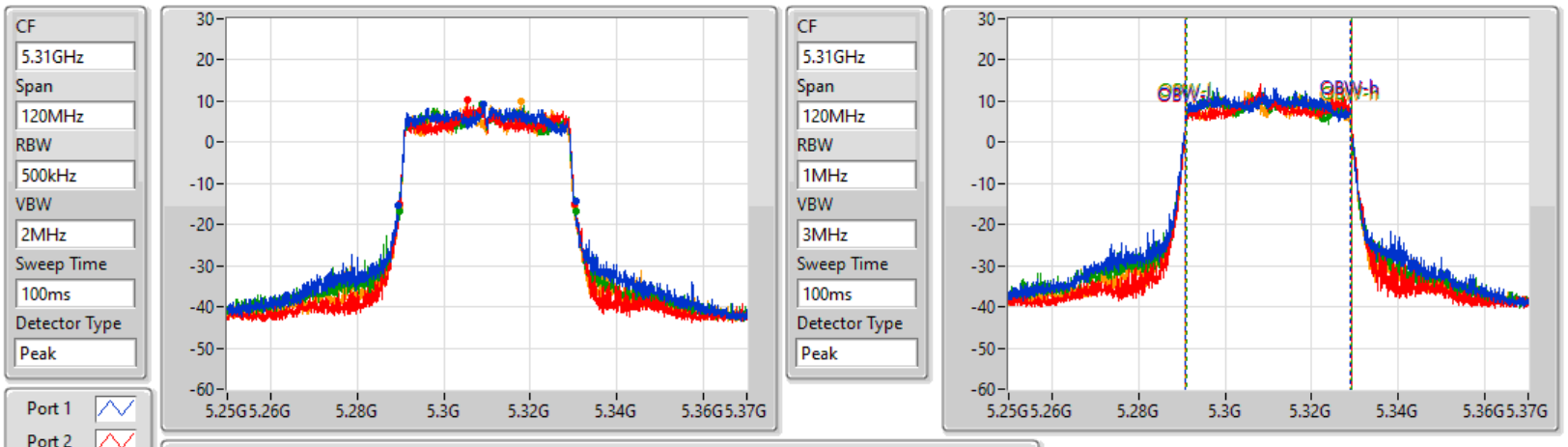
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.76M	5.24912G	5.29088G	38.261M	5.25087G	5.28913G	Inf	1
41.04M	5.24972G	5.29076G	38.201M	5.25099G	5.28919G	Inf	2
42M	5.24882G	5.29082G	38.081M	5.251049G	5.28913G	Inf	3
40.86M	5.2496G	5.29046G	37.961M	5.25099G	5.288951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

08/01/2022



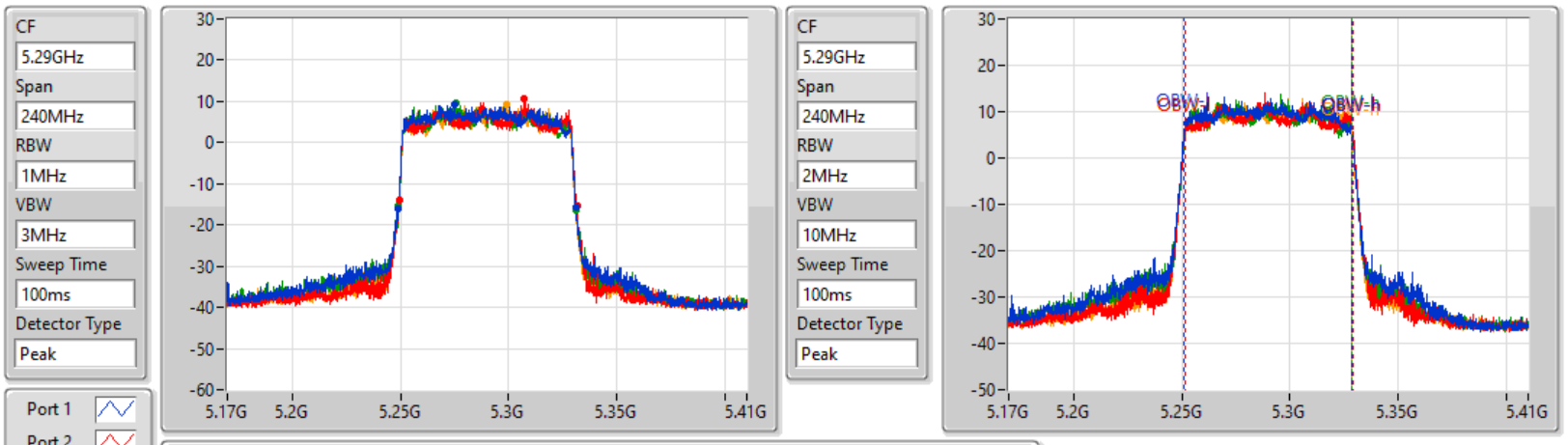
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.04M	5.28942G	5.33046G	38.081M	5.29093G	5.32901G	Inf	1
40.68M	5.28966G	5.33034G	38.201M	5.29093G	5.32913G	Inf	2
40.86M	5.28966G	5.33052G	38.081M	5.29099G	5.32907G	Inf	3
40.38M	5.28972G	5.3301G	37.961M	5.29093G	5.328891G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

08/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.32M	5.24884G	5.33116G	77.361M	5.251139G	5.328501G	Inf	1
82.2M	5.24932G	5.33152G	77.721M	5.251259G	5.328981G	Inf	2
81.72M	5.2492G	5.33092G	77.361M	5.251379G	5.328741G	Inf	3
82.08M	5.24896G	5.33104G	77.121M	5.251379G	5.328501G	Inf	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.73M	16.672M	16M7D1D	14.34M	13.103M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.08M	19.13M	19M1D1D	15.525M	14.423M
802.11ax HEW40_Nss1,(MCS0)_4TX	60.96M	38.561M	38M6D1D	35.315M	33.758M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	77.601M	77M6D1D	75.675M	72.789M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.18M	3.558M	3M56D1D	2.54M	3.478M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.58M	4.718M	4M72D1D	4.48M	4.618M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.1M	22.809M	22M8D1D	3.7M	16.812M
802.11ax HEW80_Nss1,(MCS0)_4TX	4.14M	29.425M	29M4D1D	3.56M	24.828M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	20.73M	16.582M	19.26M	16.372M	19.68M	16.432M	20.07M	16.582M
5580MHz	Pass	Inf	19.11M	16.402M	18.9M	16.252M	19.29M	16.432M	18.81M	16.312M
5700MHz	Pass	Inf	19.8M	16.672M	19.14M	16.312M	18.87M	16.312M	19.14M	16.372M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.34M	13.103M	15.135M	13.313M	14.775M	13.343M	14.595M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	2.54M	3.478M	3.16M	3.518M	3.18M	3.558M	3.18M	3.538M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.08M	19.1M	20.97M	18.981M	20.88M	18.831M	21.69M	19.13M
5580MHz	Pass	Inf	20.97M	18.861M	20.94M	18.801M	21.3M	18.981M	21.54M	18.921M
5700MHz	Pass	Inf	21.54M	19.04M	21.42M	19.07M	21.15M	18.951M	20.97M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.795M	14.483M	15.525M	14.558M	15.6M	14.423M	15.69M	14.468M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.58M	4.718M	4.48M	4.658M	4.5M	4.618M	4.48M	4.638M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	40.26M	37.721M	40.86M	38.021M	40.68M	37.901M	40.56M	37.841M
5550MHz	Pass	Inf	60.96M	38.381M	56.88M	38.561M	44.34M	38.201M	52.08M	38.201M
5670MHz	Pass	Inf	40.44M	37.661M	40.14M	37.361M	40.38M	37.721M	40.8M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	42.07M	34.178M	35.315M	33.758M	42.385M	33.898M	50.19M	34.038M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.7M	21.849M	4.1M	16.812M	4M	20.13M	4.04M	22.809M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	82.2M	77.601M	81.6M	76.882M	81.48M	77.001M	81.24M	76.762M
5610MHz	Pass	Inf	81.96M	77.601M	81.6M	76.882M	81.96M	77.241M	81.48M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.65M	73.613M	75.675M	72.789M	76.05M	73.463M	76.575M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	27.126M	4.14M	24.828M	3.56M	29.425M	4.12M	29.325M

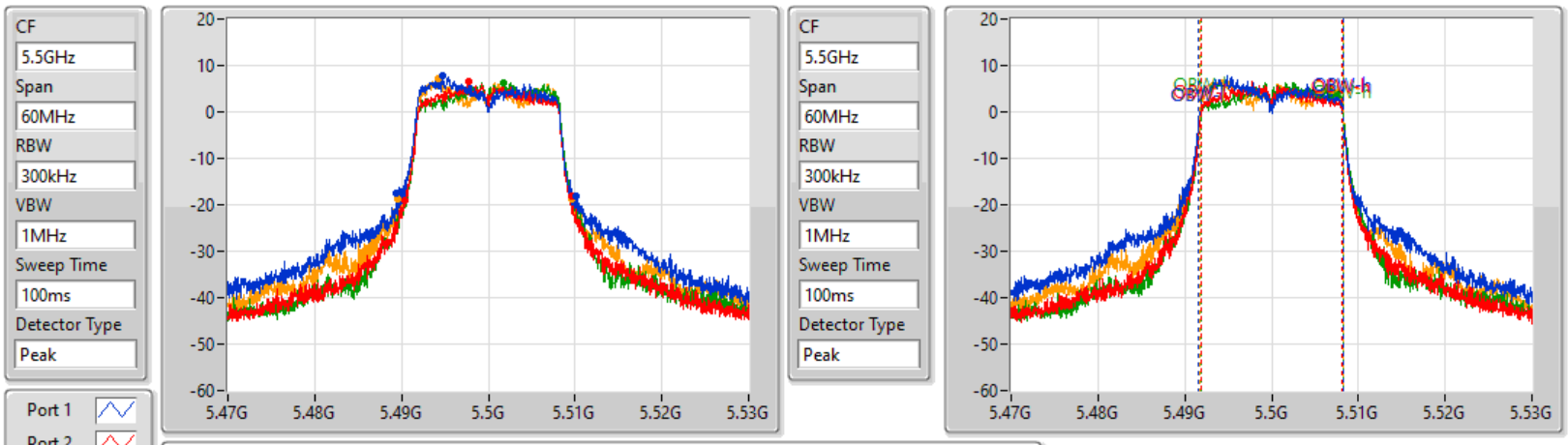
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

08/01/2022



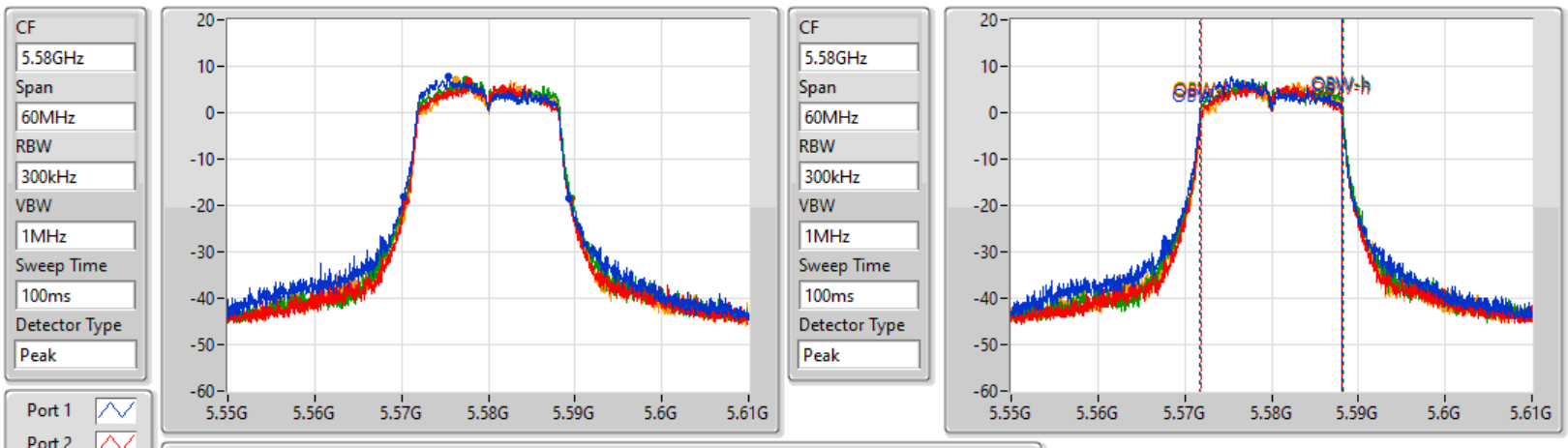
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.73M	5.48944G	5.51017G	16.582M	5.491634G	5.508216G	Inf	1
19.26M	5.49031G	5.50957G	16.372M	5.491814G	5.508186G	Inf	2
19.68M	5.4904G	5.51008G	16.432M	5.491874G	5.508306G	Inf	3
20.07M	5.48953G	5.5096G	16.582M	5.491694G	5.508276G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

08/01/2022



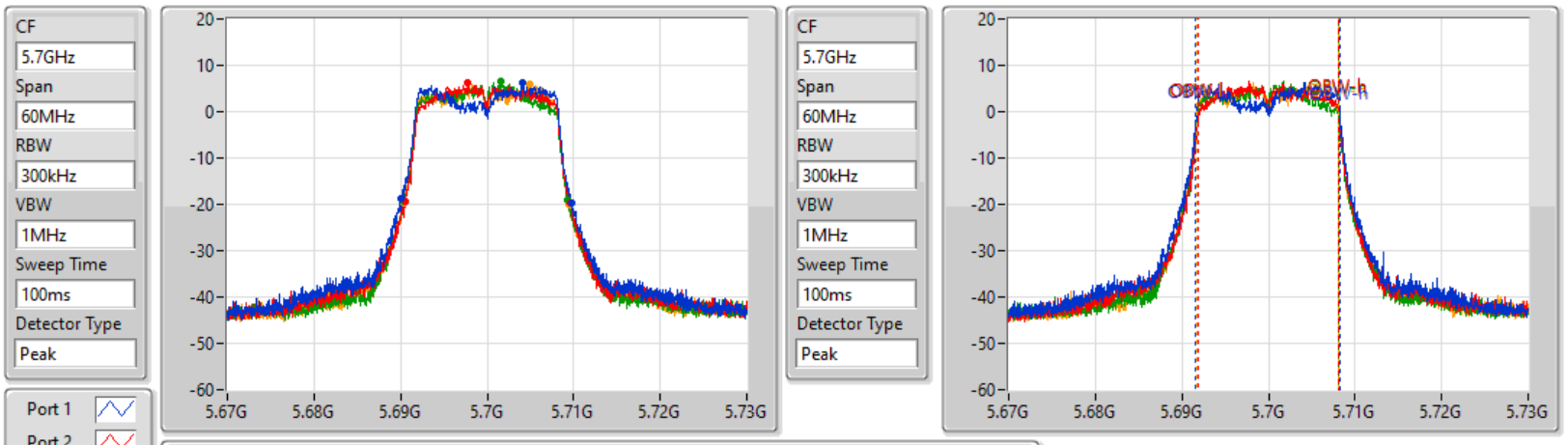
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.11M	5.57016G	5.58927G	16.402M	5.571724G	5.588126G	Inf	1
18.9M	5.57061G	5.58951G	16.252M	5.571874G	5.588126G	Inf	2
19.29M	5.5704G	5.58969G	16.432M	5.571814G	5.588246G	Inf	3
18.81M	5.57061G	5.58942G	16.312M	5.571874G	5.588186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

08/01/2022



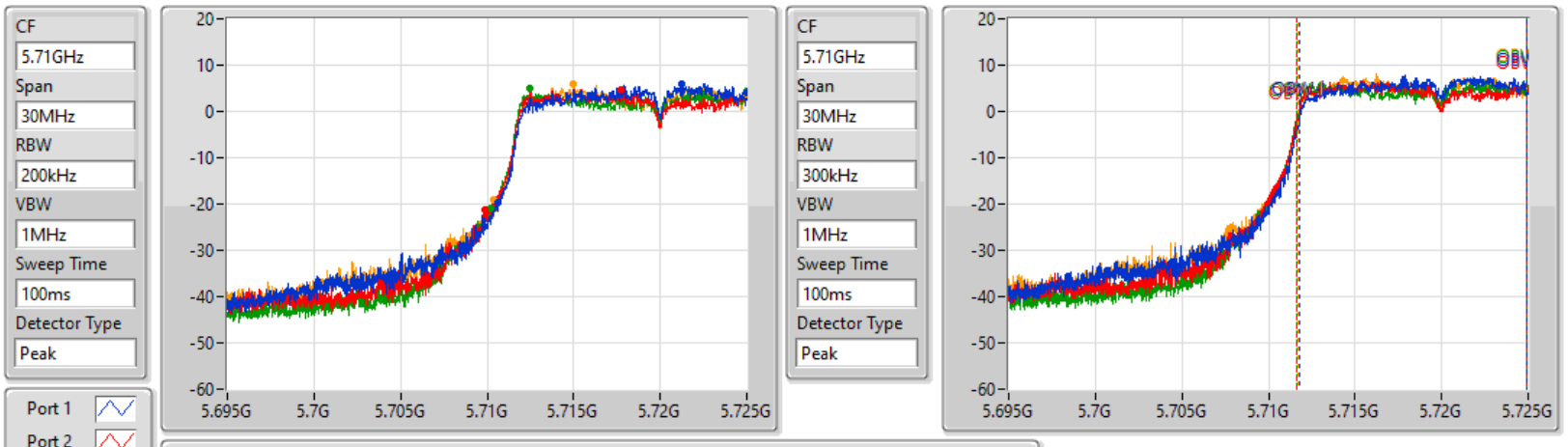
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.8M	5.68998G	5.70978G	16.672M	5.691634G	5.708306G	Inf	1
19.14M	5.69052G	5.70966G	16.312M	5.691874G	5.708186G	Inf	2
18.87M	5.69046G	5.70933G	16.312M	5.691814G	5.708126G	Inf	3
19.14M	5.69031G	5.70945G	16.372M	5.691784G	5.708156G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

08/01/2022



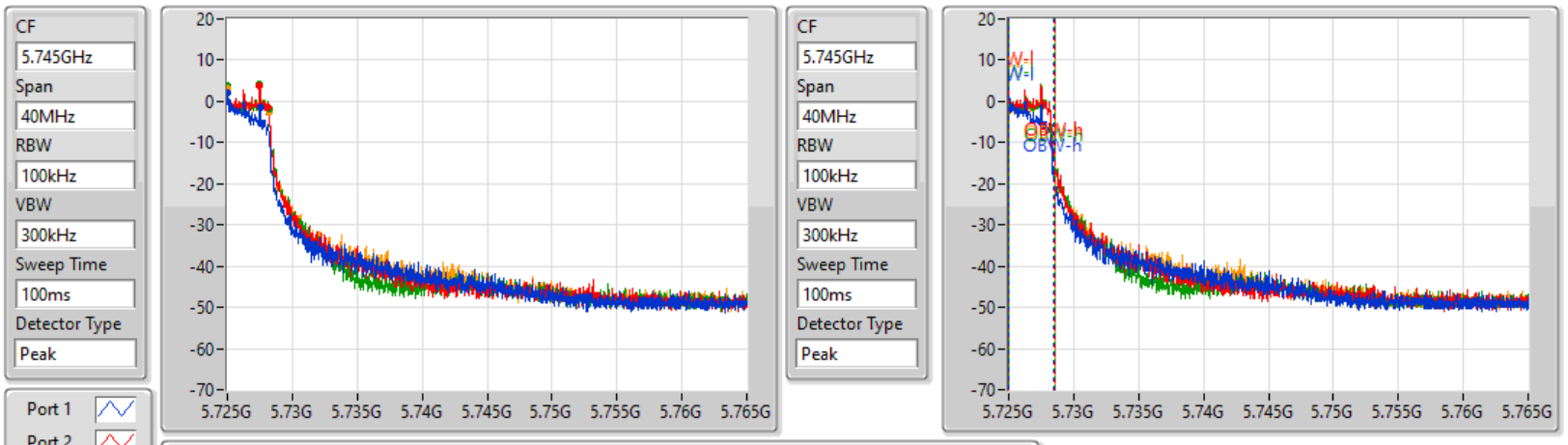
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.34M	5.71066G	5.725G	13.103M	5.711814G	5.724918G	Inf	1
15.135M	5.709865G	5.725G	13.313M	5.711619G	5.724933G	Inf	2
14.775M	5.710225G	5.725G	13.343M	5.711604G	5.724948G	Inf	3
14.595M	5.710405G	5.725G	13.178M	5.711754G	5.724933G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

08/01/2022



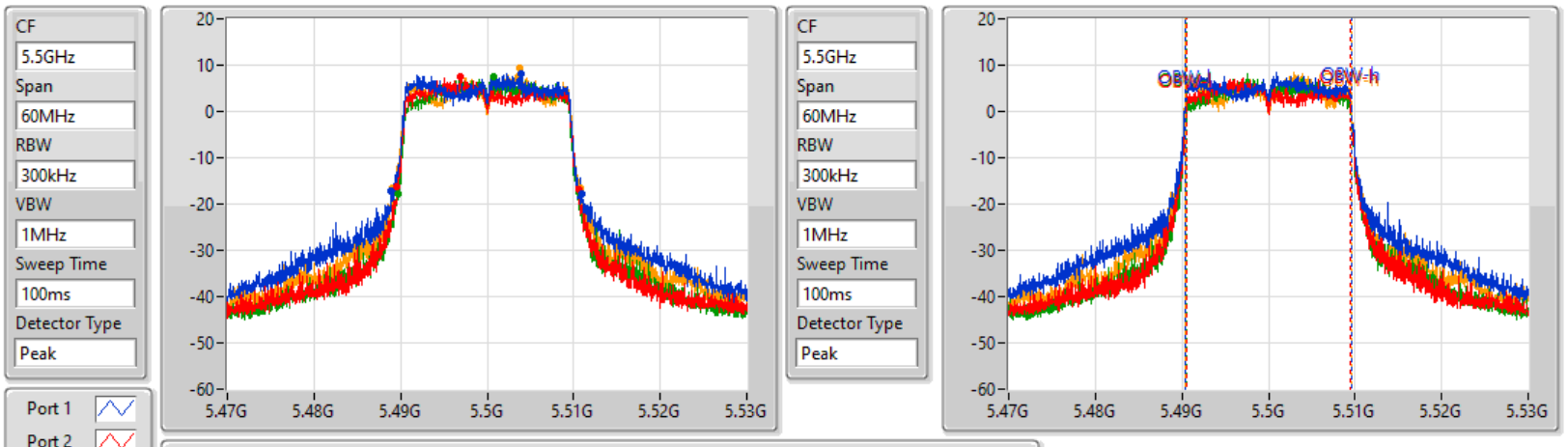
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
2.54M	5.725G	5.72754G	3.478M	5.72501G	5.728488G	500k	1
3.16M	5.725G	5.72816G	3.518M	5.72501G	5.728528G	500k	2
3.18M	5.725G	5.72818G	3.558M	5.72501G	5.728568G	500k	3
3.18M	5.725G	5.72818G	3.538M	5.72501G	5.728548G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

08/01/2022



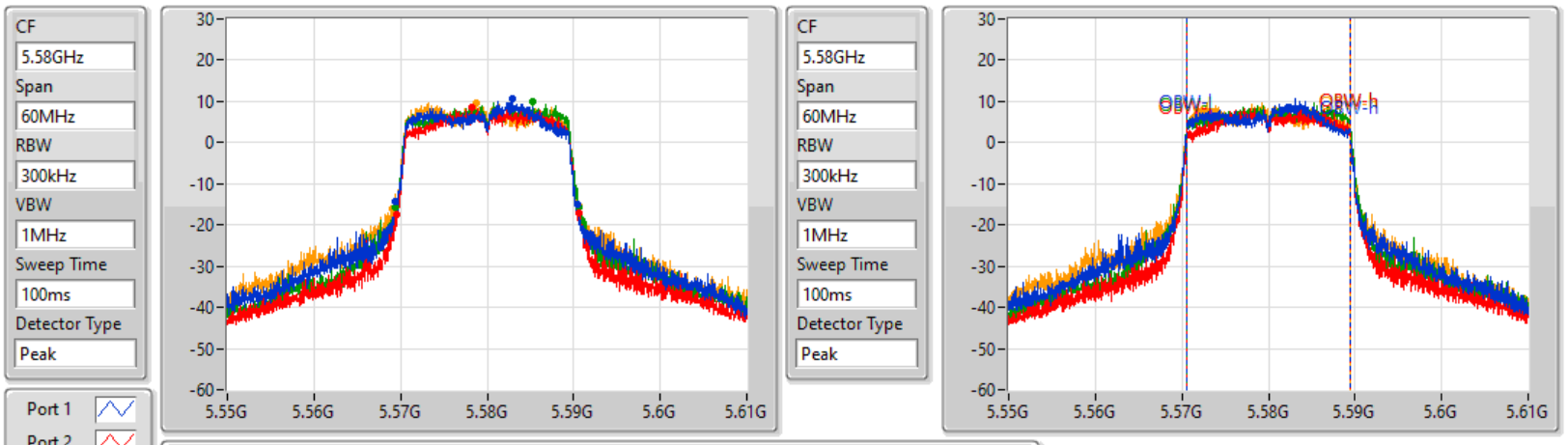
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.08M	5.48884G	5.51092G	19.1M	5.490435G	5.509535G	Inf	1
20.97M	5.48956G	5.51053G	18.981M	5.490525G	5.509505G	Inf	2
20.88M	5.48965G	5.51053G	18.831M	5.490615G	5.509445G	Inf	3
21.69M	5.48902G	5.51071G	19.13M	5.490435G	5.509565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

08/01/2022



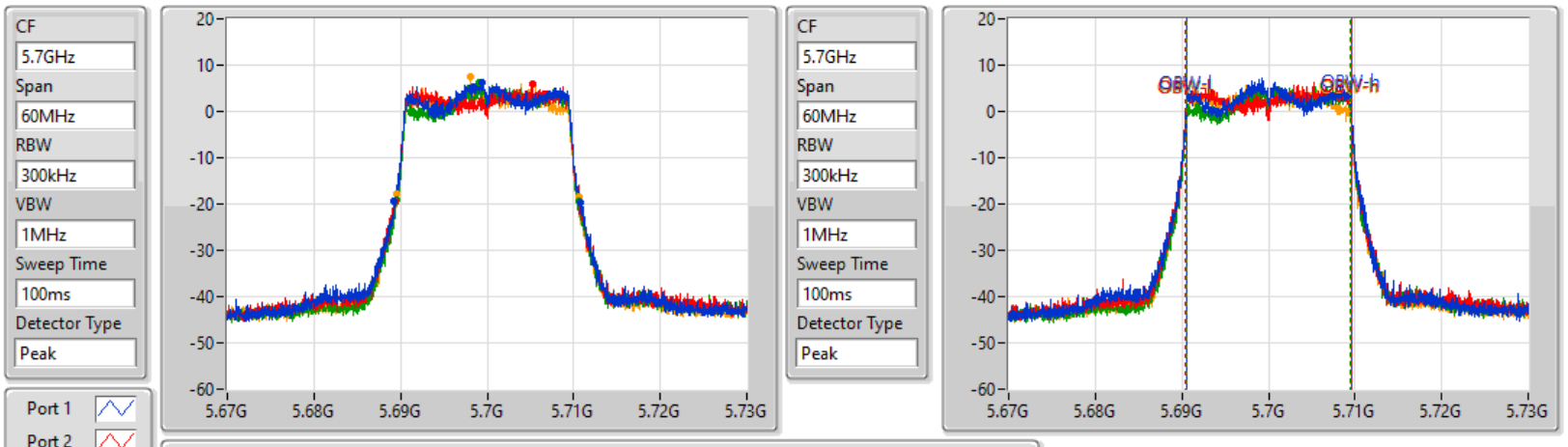
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.97M	5.56941G	5.59038G	18.861M	5.570525G	5.589385G	Inf	1
20.94M	5.56962G	5.59056G	18.801M	5.570615G	5.589415G	Inf	2
21.3M	5.56938G	5.59068G	18.981M	5.570525G	5.589505G	Inf	3
21.54M	5.56905G	5.59059G	18.921M	5.570525G	5.589445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

08/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.6892G	5.71074G	19.04M	5.690495G	5.709535G	Inf	1
21.42M	5.68932G	5.71074G	19.07M	5.690465G	5.709535G	Inf	2
21.15M	5.6895G	5.71065G	18.951M	5.690555G	5.709505G	Inf	3
20.97M	5.68956G	5.71053G	18.921M	5.690525G	5.709445G	Inf	4

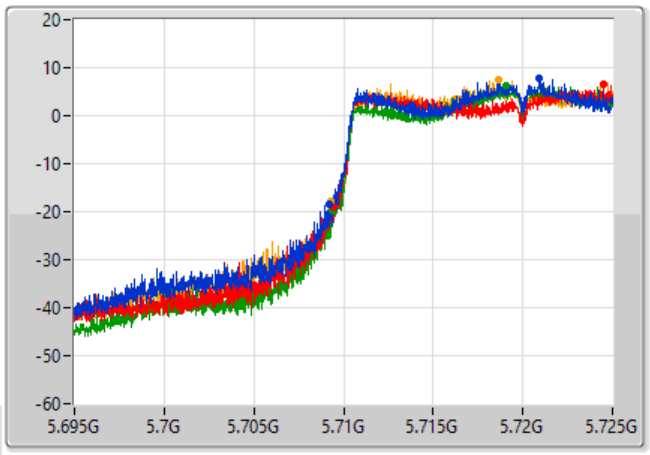
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

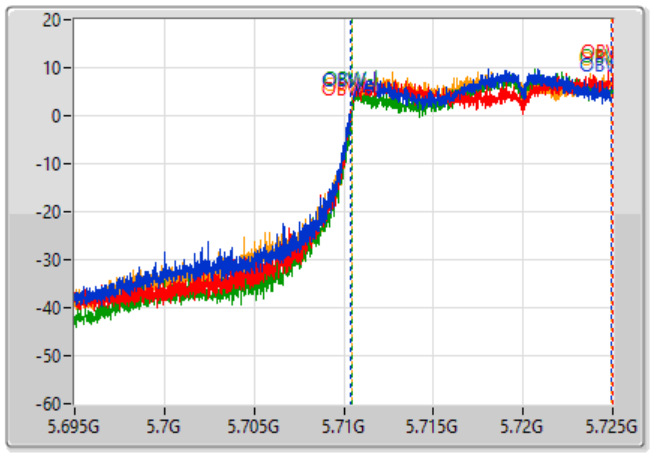
5720MHz Straddle 5.47-5.725GHz

08/01/2022

CF	5.71GHz
Span	30MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.71GHz
Span	30MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.795M	5.709205G	5.725G	14.483M	5.710405G	5.724888G	Inf	1
15.525M	5.709475G	5.725G	14.558M	5.710405G	5.724963G	Inf	2
15.6M	5.7094G	5.725G	14.423M	5.710495G	5.724918G	Inf	3
15.69M	5.70931G	5.725G	14.468M	5.710465G	5.724933G	Inf	4

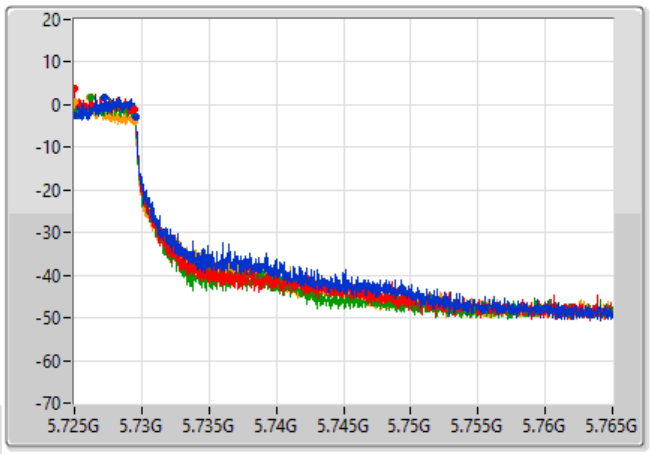
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

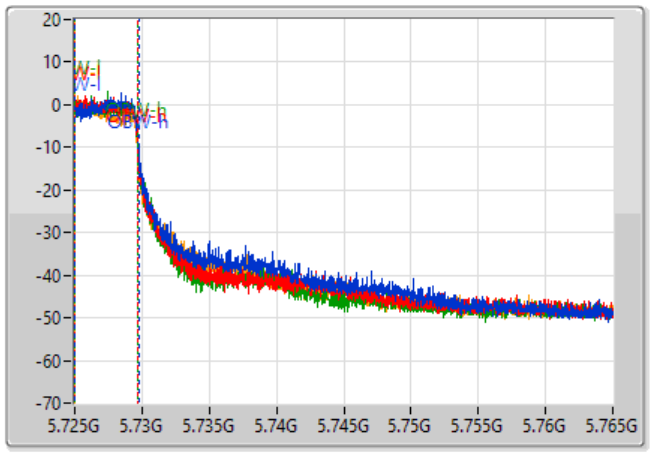
5720MHz Straddle 5.725-5.85GHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

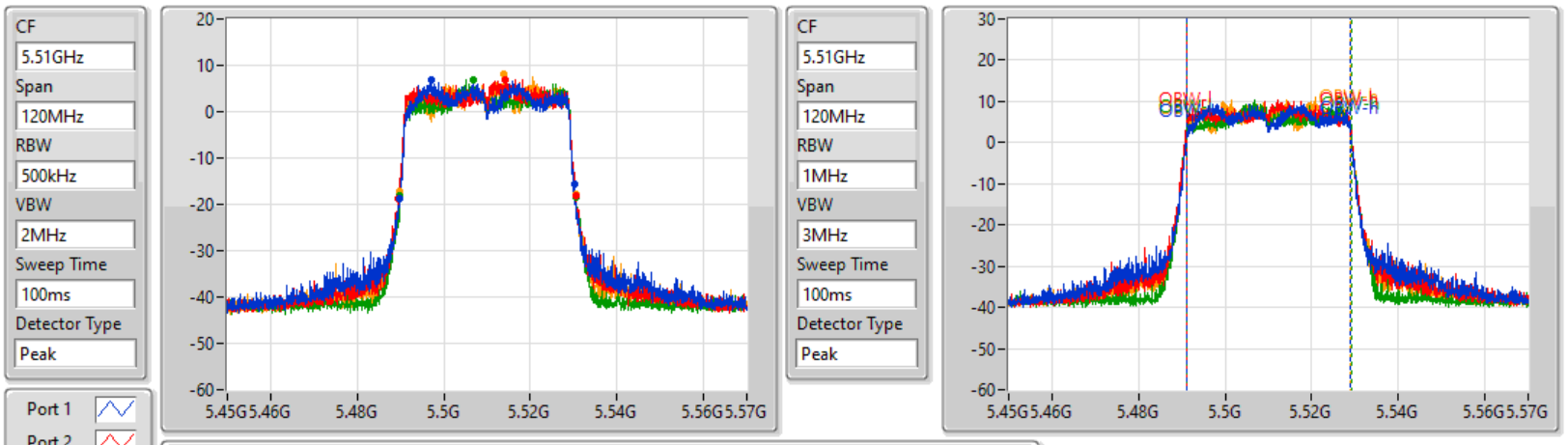
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.58M	5.725G	5.72958G	4.718M	5.72503G	5.729748G	500k	1
4.48M	5.725G	5.72948G	4.658M	5.72501G	5.729668G	500k	2
4.5M	5.725G	5.7295G	4.618M	5.72503G	5.729648G	500k	3
4.48M	5.725G	5.72948G	4.638M	5.72501G	5.729648G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

08/01/2022



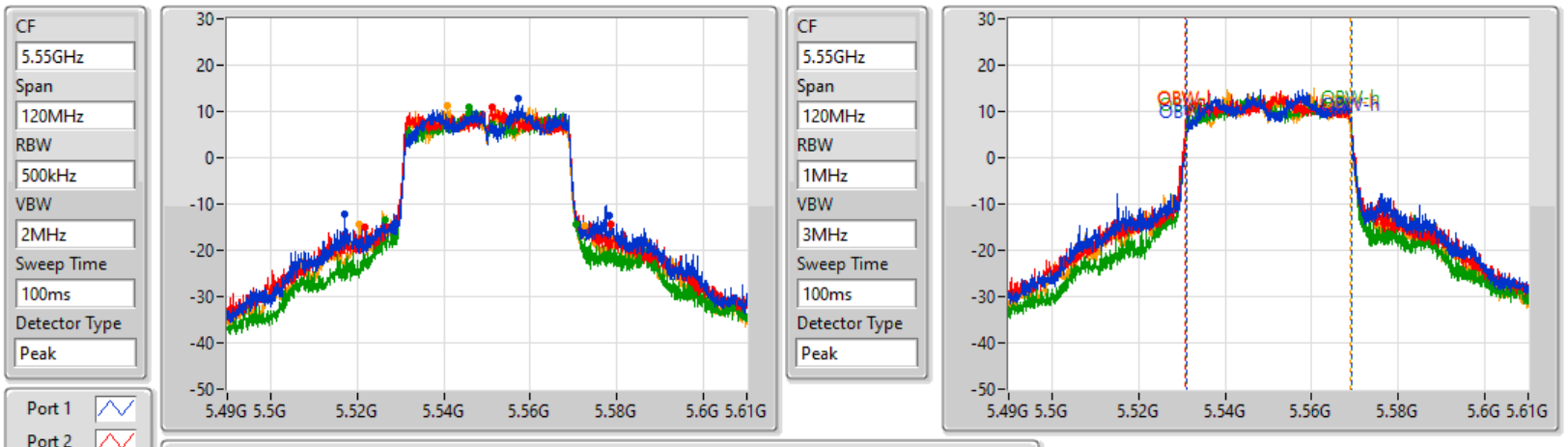
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.4899G	5.53016G	37.721M	5.491229G	5.528951G	Inf	1
40.86M	5.48954G	5.5304G	38.021M	5.49099G	5.52901G	Inf	2
40.68M	5.48978G	5.53046G	37.901M	5.491169G	5.52907G	Inf	3
40.56M	5.4899G	5.53046G	37.841M	5.491169G	5.52901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

08/01/2022



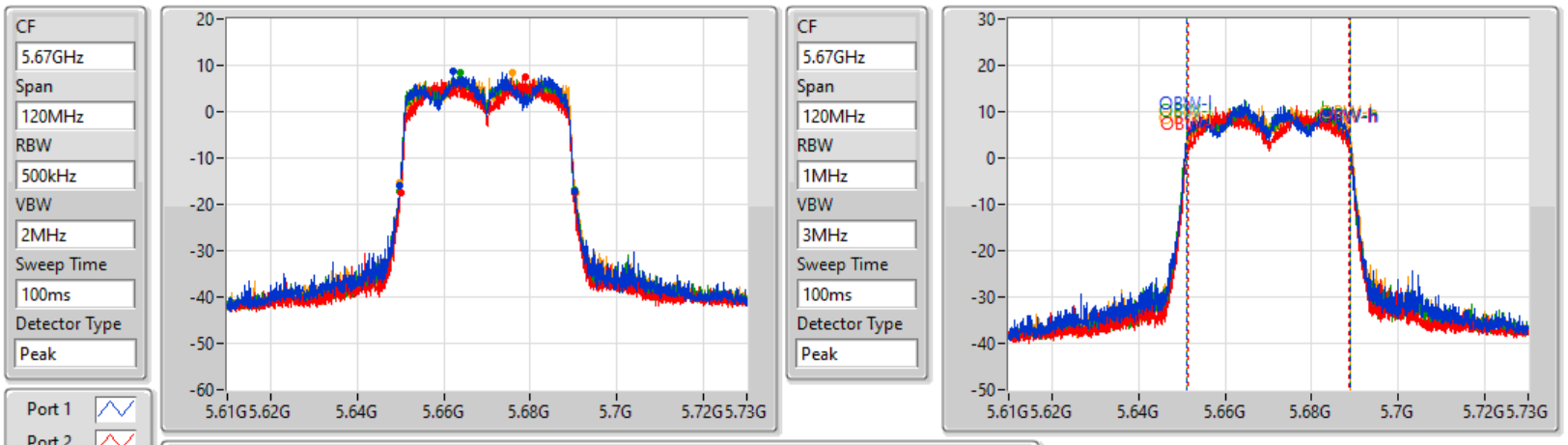
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
60.96M	5.51718G	5.57814G	38.381M	5.53099G	5.56937G	Inf	1
56.88M	5.52168G	5.57856G	38.561M	5.53075G	5.56931G	Inf	2
44.34M	5.5263G	5.57064G	38.201M	5.53099G	5.56919G	Inf	3
52.08M	5.52054G	5.57262G	38.201M	5.53081G	5.56901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

08/01/2022



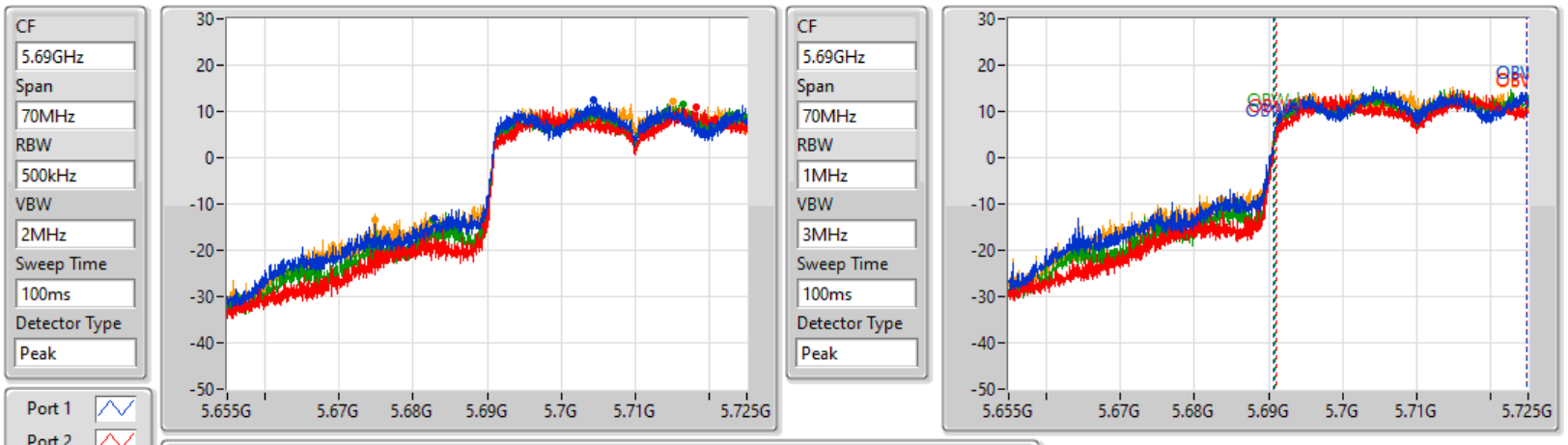
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.44M	5.64984G	5.69028G	37.661M	5.651109G	5.688771G	Inf	1
40.14M	5.64996G	5.6901G	37.361M	5.651349G	5.688711G	Inf	2
40.38M	5.64978G	5.69016G	37.721M	5.651049G	5.688771G	Inf	3
40.8M	5.64972G	5.69052G	37.781M	5.651229G	5.68901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

08/01/2022



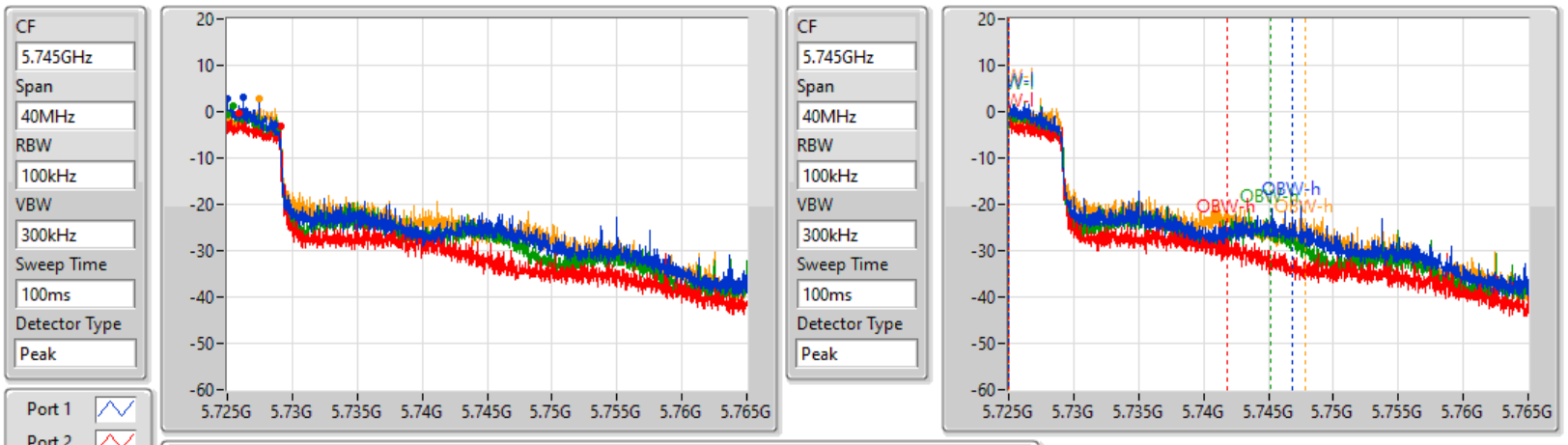
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.07M	5.68293G	5.725G	34.178M	5.690665G	5.724843G	Inf	1
35.315M	5.689685G	5.725G	33.758M	5.691049G	5.724808G	Inf	2
42.385M	5.682615G	5.725G	33.898M	5.690945G	5.724843G	Inf	3
50.19M	5.67481G	5.725G	34.038M	5.690735G	5.724773G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

08/01/2022



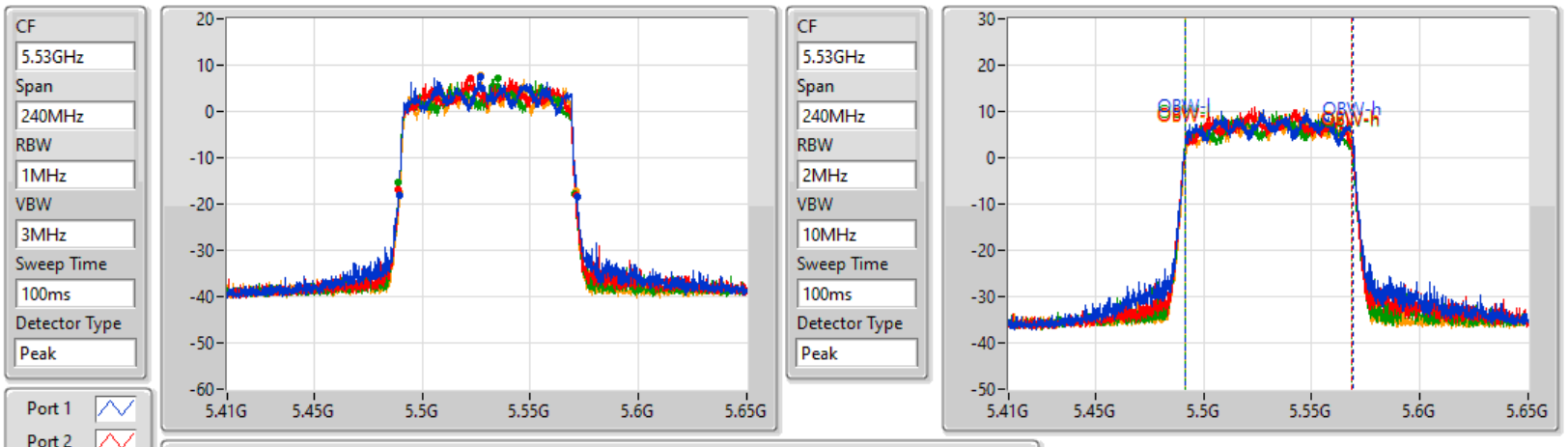
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.7M	5.725G	5.7287G	21.849M	5.72501G	5.746859G	500k	1
4.1M	5.725G	5.7291G	16.812M	5.72503G	5.741842G	500k	2
4M	5.725G	5.729G	20.13M	5.72501G	5.74514G	500k	3
4.04M	5.725G	5.72904G	22.809M	5.72503G	5.747839G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

08/01/2022



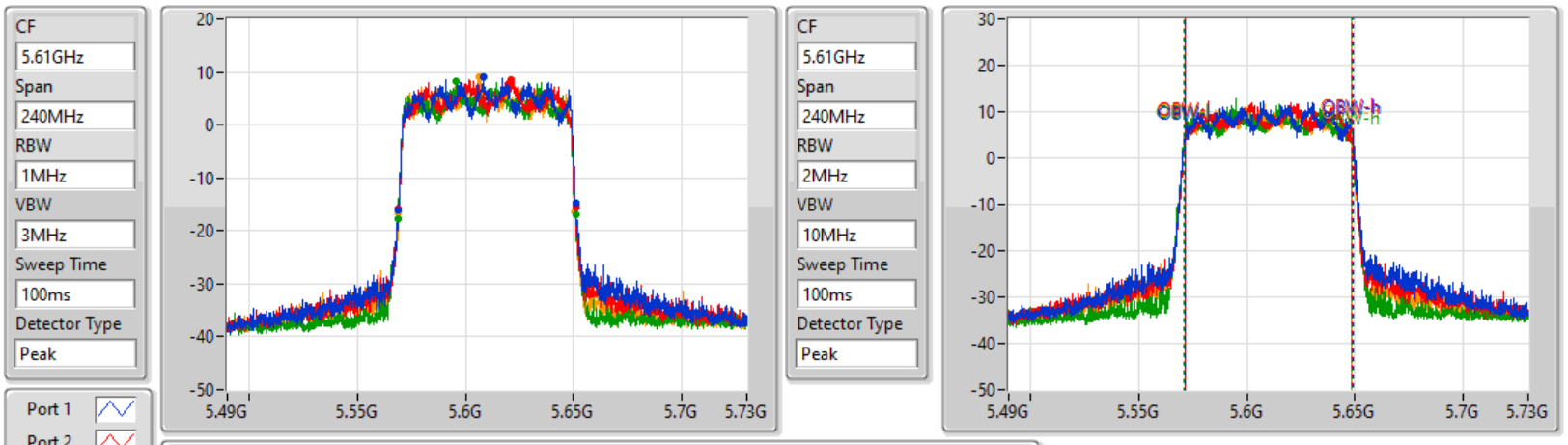
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	5.48932G	5.57152G	77.601M	5.491379G	5.568981G	Inf	1
81.6M	5.4892G	5.5708G	76.882M	5.491619G	5.568501G	Inf	2
81.48M	5.4892G	5.57068G	77.001M	5.491379G	5.568381G	Inf	3
81.24M	5.48956G	5.5708G	76.762M	5.491859G	5.568621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

08/01/2022



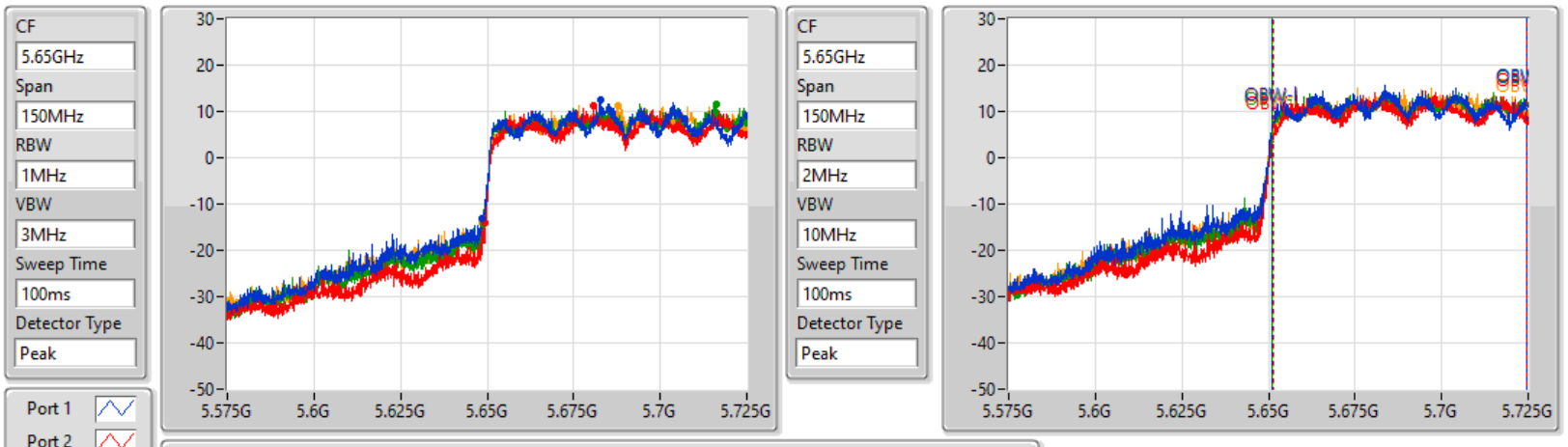
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.56896G	5.65092G	77.601M	5.571379G	5.648981G	Inf	1
81.6M	5.5692G	5.6508G	76.882M	5.571499G	5.648381G	Inf	2
81.96M	5.56884G	5.6508G	77.241M	5.571139G	5.648381G	Inf	3
81.48M	5.56908G	5.65056G	77.121M	5.571259G	5.648381G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

08/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.65M	5.64835G	5.725G	73.613M	5.651049G	5.724663G	Inf	1
75.675M	5.649325G	5.725G	72.789M	5.651649G	5.724438G	Inf	2
76.05M	5.64895G	5.725G	73.463M	5.651199G	5.724663G	Inf	3
76.575M	5.648425G	5.725G	73.163M	5.651349G	5.724513G	Inf	4

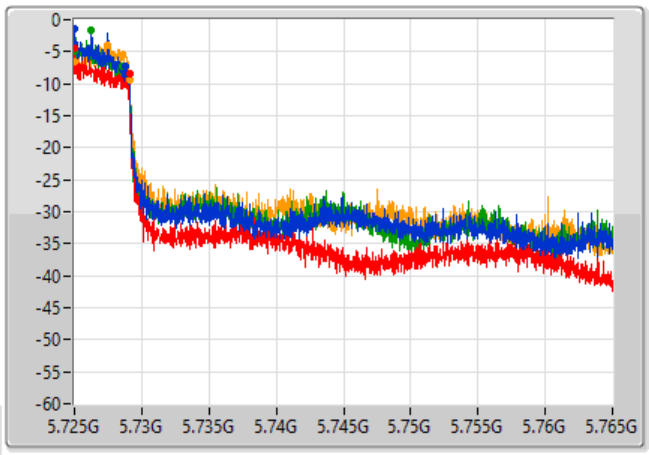
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

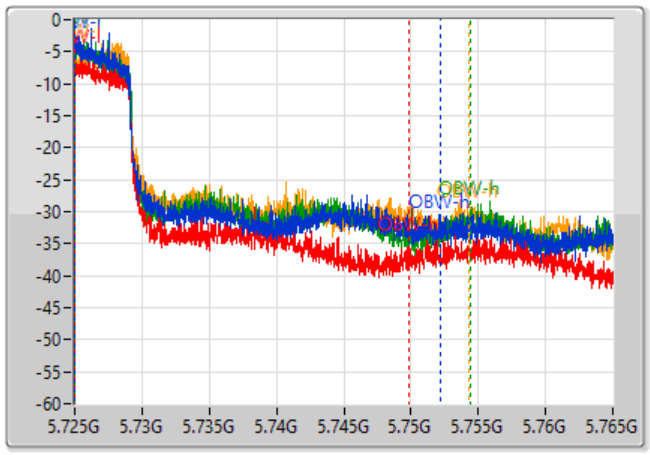
5690MHz Straddle 5.725-5.85GHz

08/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.82M	5.725G	5.72882G	27.126M	5.72501G	5.752136G	500k	1
4.14M	5.725G	5.72914G	24.828M	5.72503G	5.749858G	500k	2
3.56M	5.725G	5.72856G	29.425M	5.72501G	5.754435G	500k	3
4.12M	5.725G	5.72912G	29.325M	5.72503G	5.754355G	500k	4

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	83.04M	77.961M	78M0D1D	82M	77.801M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.42M	16.672M	16M7D1D	20.13M	16.642M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.68M	19.13M	19M1D1D	21.69M	19.04M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.92M	37.901M	37M9D1D	40.08M	37.661M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.361M	77M4D1D	82.08M	77.121M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.64M	78.201M	78M2D1D	82.4M	77.881M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.12M	16.702M	16M7D1D	15.18M	13.418M
802.11ax HEW20_Nss1,(MCS0)_4TX	22.53M	19.13M	19M1D1D	15.945M	14.558M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.74M	37.901M	37M9D1D	35.28M	33.793M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.92M	77.481M	77M5D1D	76.125M	73.238M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.6M	155.442M	155MD1D	164.4M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	3.12M	3.578M	3M58D1D	3.08M	3.518M
802.11ax HEW20_Nss1,(MCS0)_4TX	4.5M	4.578M	4M58D1D	4.44M	4.578M
802.11ax HEW40_Nss1,(MCS0)_4TX	4.04M	4.138M	4M14D1D	3.94M	4.118M
802.11ax HEW80_Nss1,(MCS0)_4TX	4M	4.858M	4M86D1D	3.96M	4.358M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	20.49M	16.642M	20.13M	16.642M	20.52M	16.672M	20.64M	16.642M
5300MHz	Pass	Inf	20.28M	16.642M	20.76M	16.642M	20.88M	16.672M	20.61M	16.642M
5320MHz	Pass	Inf	20.61M	16.642M	21.42M	16.642M	20.52M	16.672M	20.52M	16.642M
5500MHz	Pass	Inf	20.97M	16.642M	20.55M	16.642M	21.12M	16.672M	20.46M	16.612M
5580MHz	Pass	Inf	20.46M	16.702M	20.67M	16.642M	20.67M	16.702M	20.49M	16.612M
5700MHz	Pass	Inf	20.7M	16.702M	20.55M	16.672M	20.67M	16.672M	20.49M	16.642M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.375M	13.418M	15.27M	13.418M	15.225M	13.418M	15.18M	13.418M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.578M	3.08M	3.518M	3.08M	3.518M	3.12M	3.518M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	Inf	22.02M	19.1M	22.41M	19.1M	22.2M	19.07M	22.29M	19.07M
5300MHz	Pass	Inf	22.14M	19.13M	22.68M	19.13M	22.26M	19.1M	22.08M	19.07M
5320MHz	Pass	Inf	21.69M	19.1M	22.35M	19.13M	22.05M	19.07M	22.35M	19.04M
5500MHz	Pass	Inf	21.9M	19.07M	22.29M	19.1M	22.17M	19.07M	22.23M	19.07M
5580MHz	Pass	Inf	21.87M	19.07M	22.47M	19.1M	22.2M	19.07M	22.32M	19.07M
5700MHz	Pass	Inf	22.17M	19.04M	22.53M	19.13M	22.32M	19.07M	22.17M	19.1M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.573M	16.2M	14.618M	16.17M	14.558M	16.005M	14.603M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.578M	4.44M	4.578M	4.44M	4.578M	4.5M	4.578M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	Inf	40.32M	37.661M	40.44M	37.721M	40.5M	37.841M	40.92M	37.901M
5310MHz	Pass	Inf	40.62M	37.721M	40.44M	37.721M	40.08M	37.901M	40.62M	37.901M
5510MHz	Pass	Inf	40.38M	37.781M	40.32M	37.781M	40.68M	37.841M	40.62M	37.901M
5550MHz	Pass	Inf	40.68M	37.721M	40.2M	37.781M	40.38M	37.781M	40.26M	37.901M
5670MHz	Pass	Inf	40.62M	37.841M	40.26M	37.721M	40.56M	37.841M	40.74M	37.841M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.28M	33.828M	35.35M	33.793M	35.28M	33.863M	35.385M	33.828M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.118M	4.04M	4.138M	4M	4.118M	3.96M	4.118M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	Inf	82.08M	77.121M	82.2M	77.241M	82.32M	77.361M	82.56M	77.361M
5530MHz	Pass	Inf	82.92M	77.361M	82.56M	77.361M	82.32M	77.481M	82.08M	77.241M
5610MHz	Pass	Inf	82.56M	77.361M	82.2M	77.241M	82.68M	77.361M	82.08M	77.361M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.5M	73.238M	76.125M	73.313M	76.125M	73.388M	76.125M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.378M	3.98M	4.358M	4M	4.858M	3.98M	4.378M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.4M	77.881M	82.16M	77.801M	83.04M	77.961M	82M	77.881M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.56M	77.881M	82.64M	77.881M	82.4M	77.881M	82.4M	78.201M
5570MHz	Pass	Inf	165.6M	154.723M	164.4M	154.963M	165.36M	155.442M	165.6M	155.202M

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

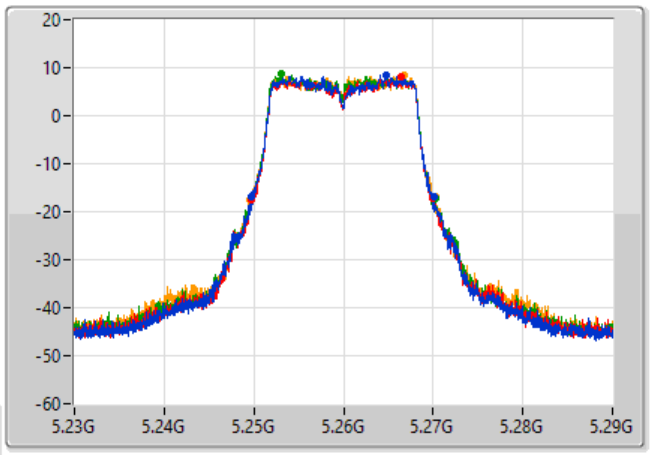
802.11a_Nss1,(6Mbps)_4TX

EBW

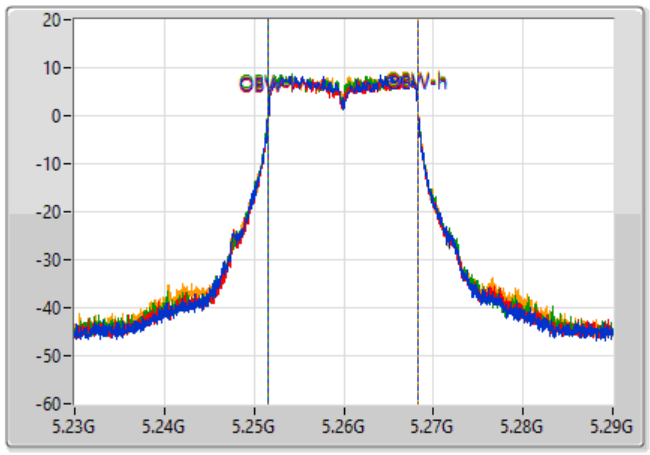
5260MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.49M	5.24965G	5.27014G	16.642M	5.251604G	5.268246G	Inf	1
20.13M	5.24974G	5.26987G	16.642M	5.251604G	5.268246G	Inf	2
20.52M	5.24974G	5.27026G	16.672M	5.251574G	5.268246G	Inf	3
20.64M	5.24959G	5.27023G	16.642M	5.251604G	5.268246G	Inf	4

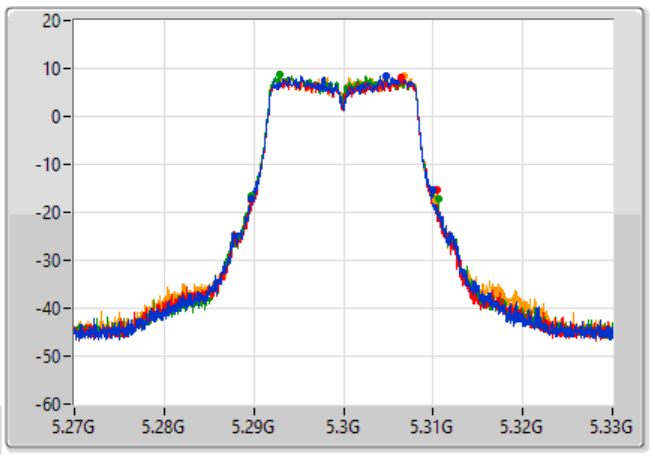
802.11a_Nss1,(6Mbps)_4TX

EBW

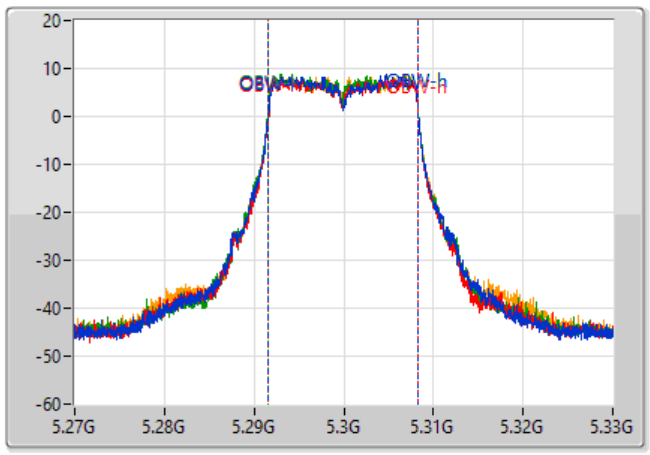
5300MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.28M	5.28965G	5.30993G	16.642M	5.291604G	5.308246G	Inf	1
20.76M	5.28968G	5.31044G	16.642M	5.291634G	5.308276G	Inf	2
20.88M	5.28974G	5.31062G	16.672M	5.291574G	5.308246G	Inf	3
20.61M	5.28968G	5.31029G	16.642M	5.291604G	5.308246G	Inf	4

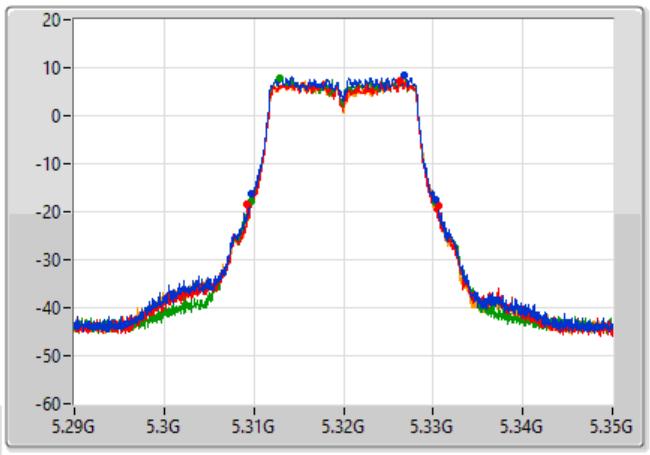
802.11a_Nss1,(6Mbps)_4TX

EBW

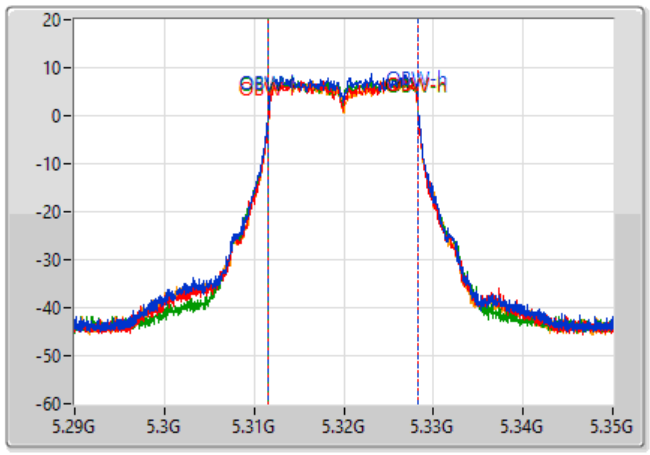
5320MHz

28/03/2022

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



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.61M	5.30971G	5.33032G	16.642M	5.311634G	5.328276G	Inf	1
21.42M	5.30926G	5.33068G	16.642M	5.311634G	5.328276G	Inf	2
20.52M	5.30974G	5.33026G	16.672M	5.311604G	5.328276G	Inf	3
20.52M	5.30968G	5.3302G	16.642M	5.311634G	5.328276G	Inf	4

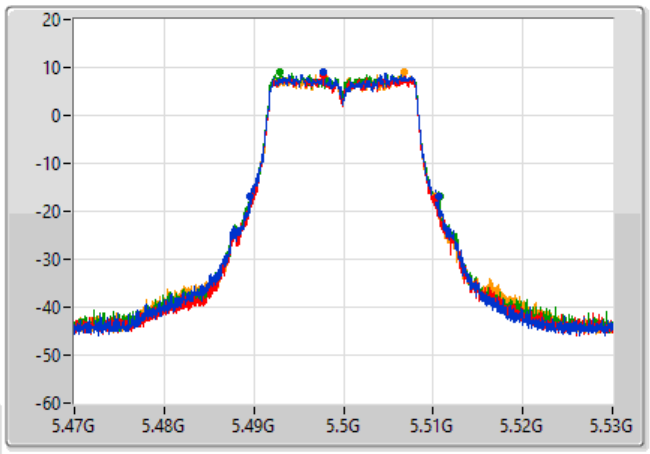
802.11a_Nss1,(6Mbps)_4TX

EBW

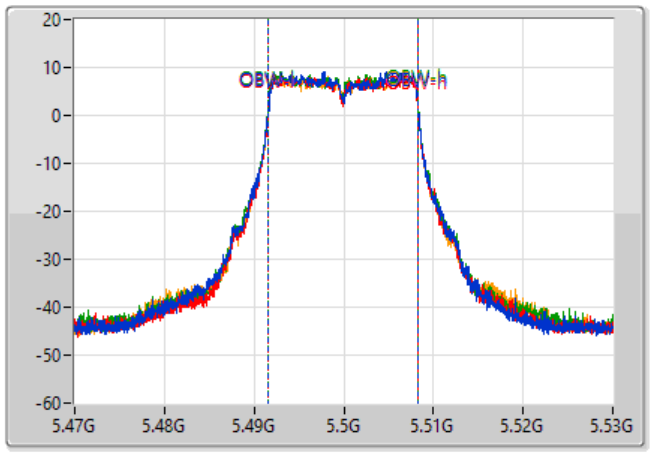
5500MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.97M	5.48956G	5.51053G	16.642M	5.491604G	5.508246G	Inf	1
20.55M	5.48968G	5.51023G	16.642M	5.491604G	5.508246G	Inf	2
21.12M	5.48965G	5.51077G	16.672M	5.491574G	5.508246G	Inf	3
20.46M	5.48974G	5.5102G	16.612M	5.491634G	5.508246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

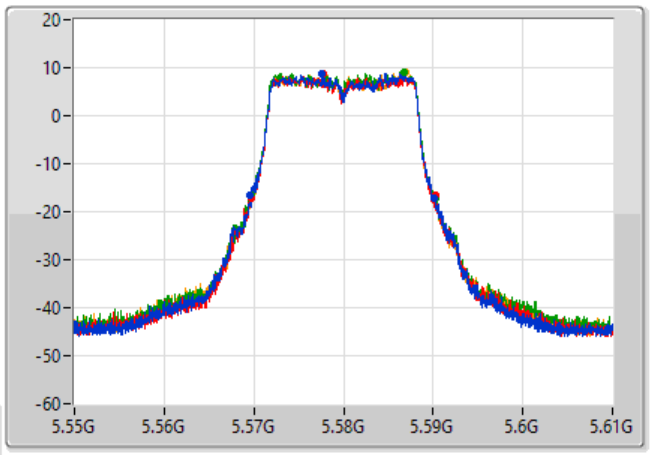
EBW

5580MHz

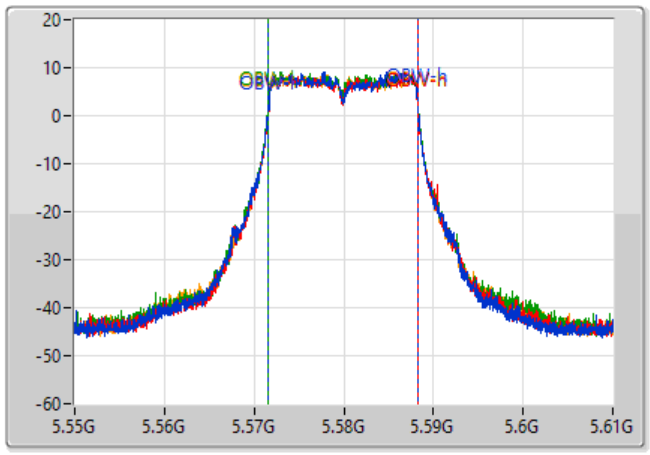
12/01/2022

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

Port 1
Port 2
Port 3
Port 4



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.46M	5.56959G	5.59005G	16.702M	5.571574G	5.588276G	Inf	1
20.67M	5.56965G	5.59032G	16.642M	5.571604G	5.588246G	Inf	2
20.67M	5.56965G	5.59032G	16.702M	5.571574G	5.588276G	Inf	3
20.49M	5.56974G	5.59023G	16.612M	5.571634G	5.588246G	Inf	4

802.11a_Nss1,(6Mbps)_4TX

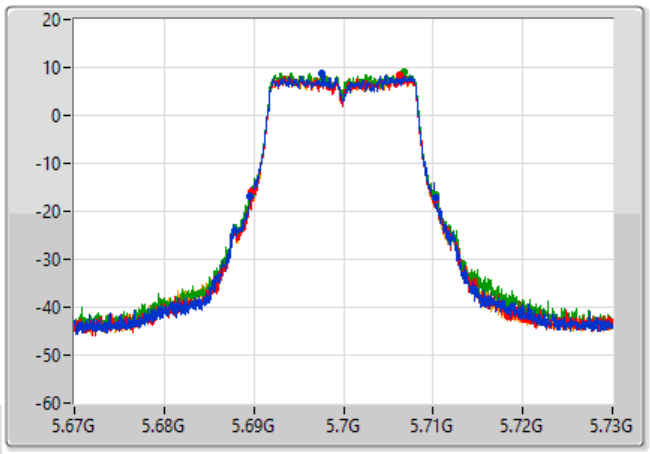
EBW

5700MHz

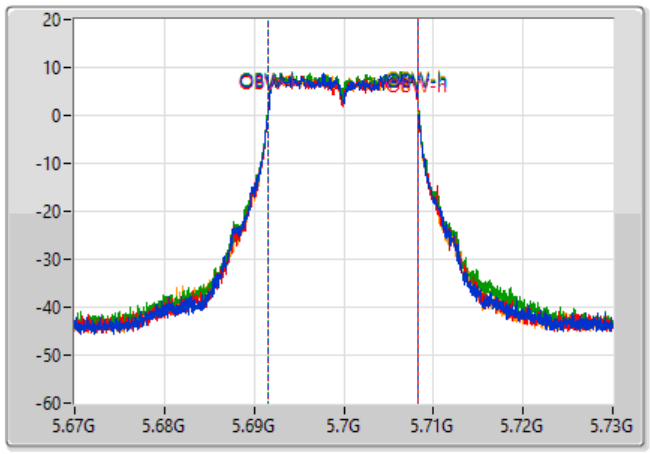
12/01/2022

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

Port 1
Port 2
Port 3
Port 4



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	5.68959G	5.71029G	16.702M	5.691574G	5.708276G	Inf	1
20.55M	5.68974G	5.71029G	16.672M	5.691604G	5.708276G	Inf	2
20.67M	5.68965G	5.71032G	16.672M	5.691604G	5.708276G	Inf	3
20.49M	5.68974G	5.71023G	16.642M	5.691604G	5.708246G	Inf	4

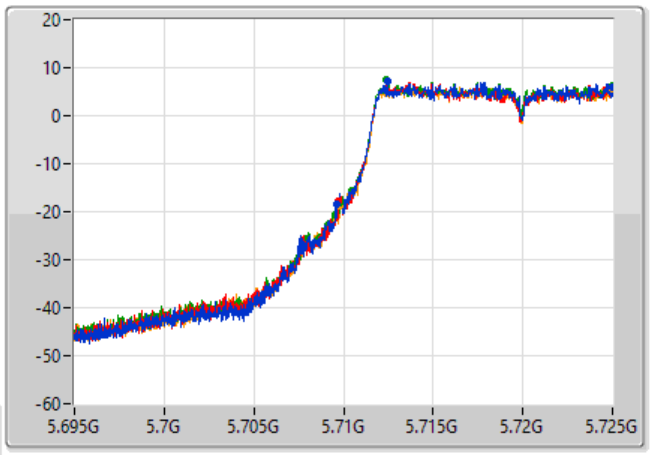
802.11a_Nss1,(6Mbps)_4TX

EBW

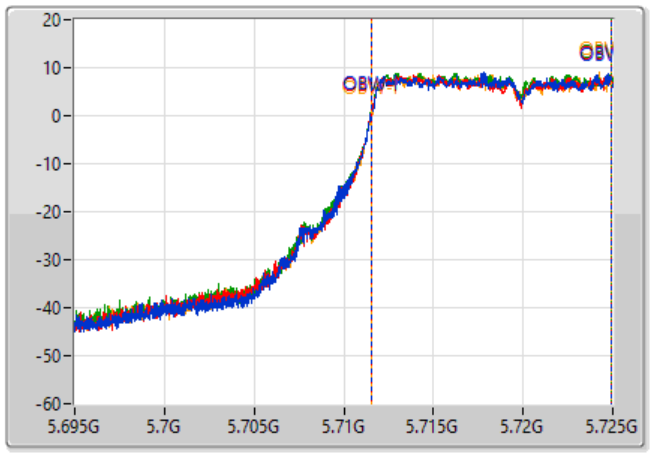
5720MHz Straddle 5.47-5.725GHz

12/01/2022

CF	5.71GHz
Span	30MHz
RBW	200kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.71GHz
Span	30MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.375M	5.709625G	5.725G	13.418M	5.711514G	5.724933G	Inf	1
15.27M	5.70973G	5.725G	13.418M	5.711514G	5.724933G	Inf	2
15.225M	5.709775G	5.725G	13.418M	5.711514G	5.724933G	Inf	3
15.18M	5.70982G	5.725G	13.418M	5.711529G	5.724948G	Inf	4

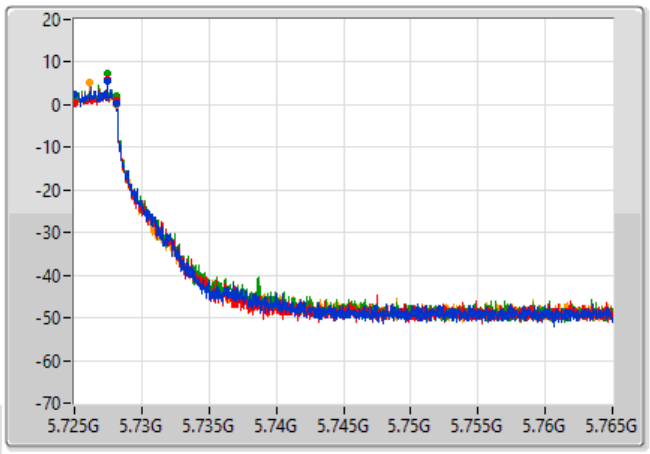
802.11a_Nss1,(6Mbps)_4TX

EBW

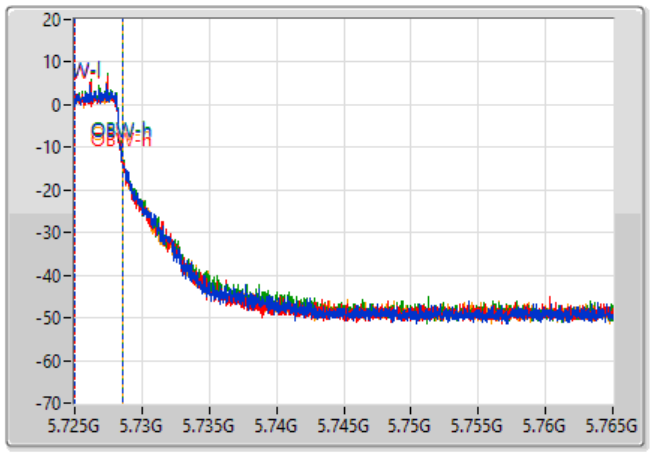
5720MHz Straddle 5.725-5.85GHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

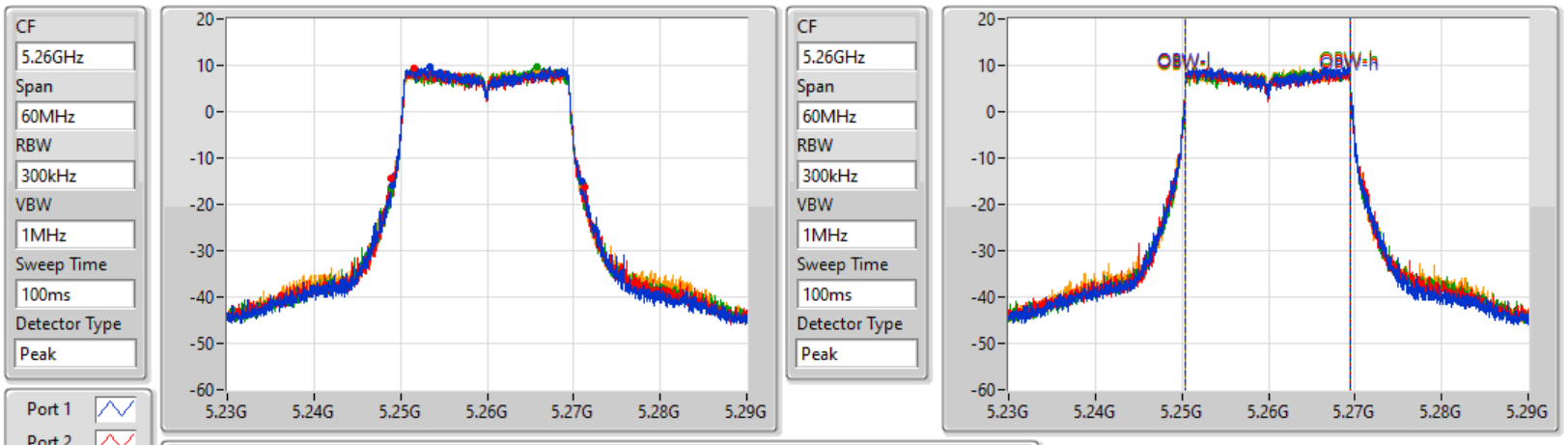
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.12M	5.725G	5.72812G	3.578M	5.72501G	5.728588G	500k	1
3.08M	5.72502G	5.7281G	3.518M	5.72503G	5.728548G	500k	2
3.08M	5.72502G	5.7281G	3.518M	5.72503G	5.728548G	500k	3
3.12M	5.725G	5.72812G	3.518M	5.72501G	5.728528G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

12/01/2022



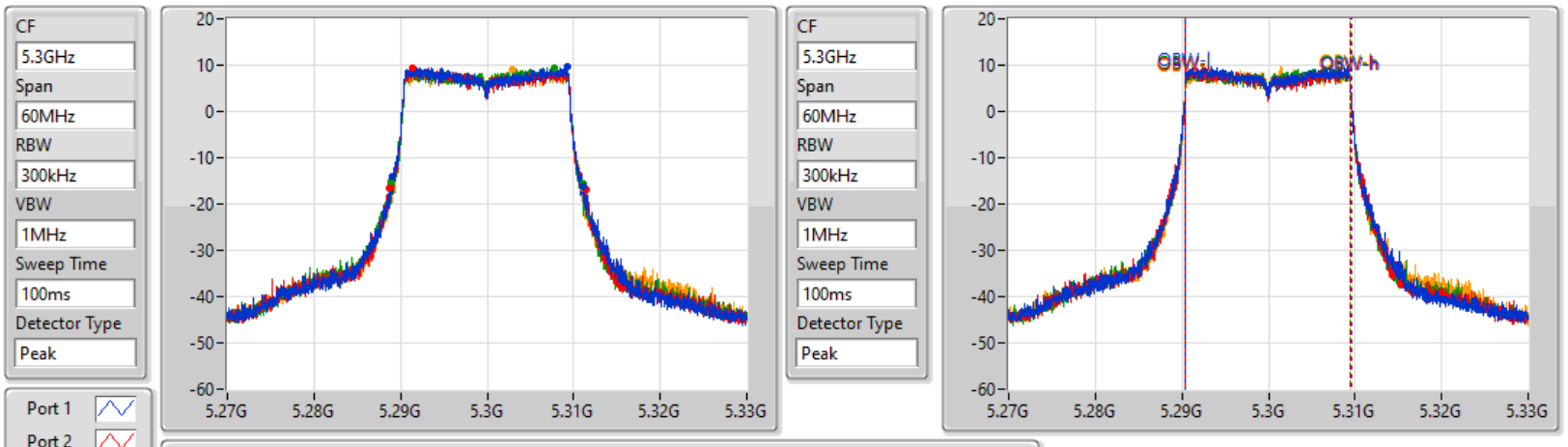
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.02M	5.24899G	5.27101G	19.1M	5.250405G	5.269505G	Inf	1
22.41M	5.24884G	5.27125G	19.1M	5.250405G	5.269505G	Inf	2
22.2M	5.24893G	5.27113G	19.07M	5.250405G	5.269475G	Inf	3
22.29M	5.2489G	5.27119G	19.07M	5.250405G	5.269475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

12/01/2022



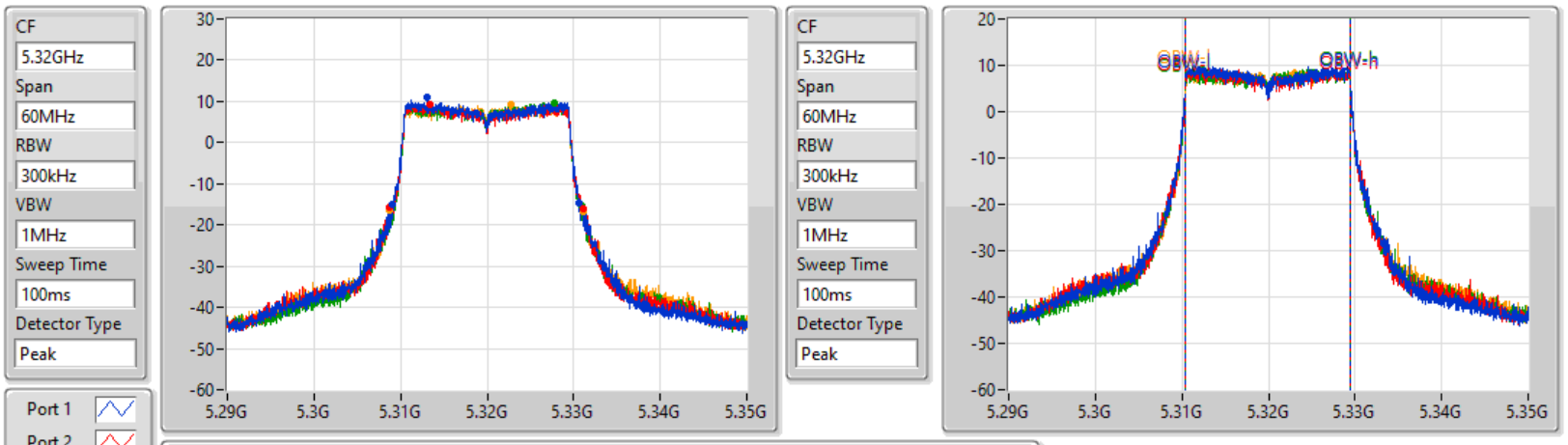
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.14M	5.28899G	5.31113G	19.13M	5.290405G	5.309535G	Inf	1
22.68M	5.28872G	5.3114G	19.13M	5.290375G	5.309505G	Inf	2
22.26M	5.28881G	5.31107G	19.1M	5.290405G	5.309505G	Inf	3
22.08M	5.28896G	5.31104G	19.07M	5.290405G	5.309475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

12/01/2022



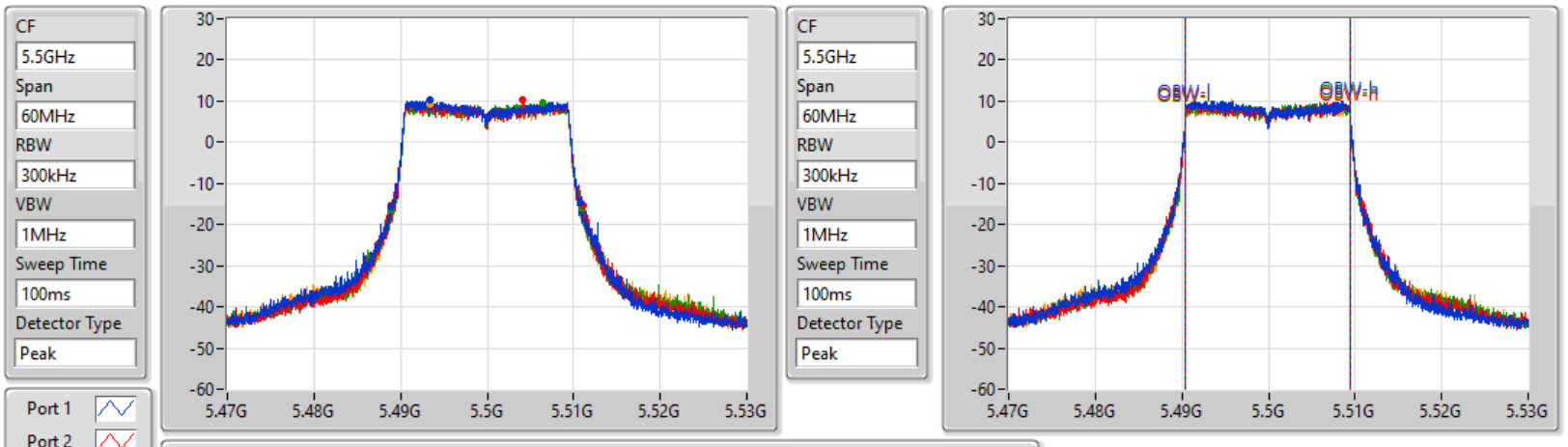
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.30899G	5.33068G	19.1M	5.310405G	5.329505G	Inf	1
22.35M	5.30869G	5.33104G	19.13M	5.310375G	5.329505G	Inf	2
22.05M	5.30884G	5.33089G	19.07M	5.310405G	5.329475G	Inf	3
22.35M	5.30878G	5.33113G	19.04M	5.310435G	5.329475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

12/01/2022



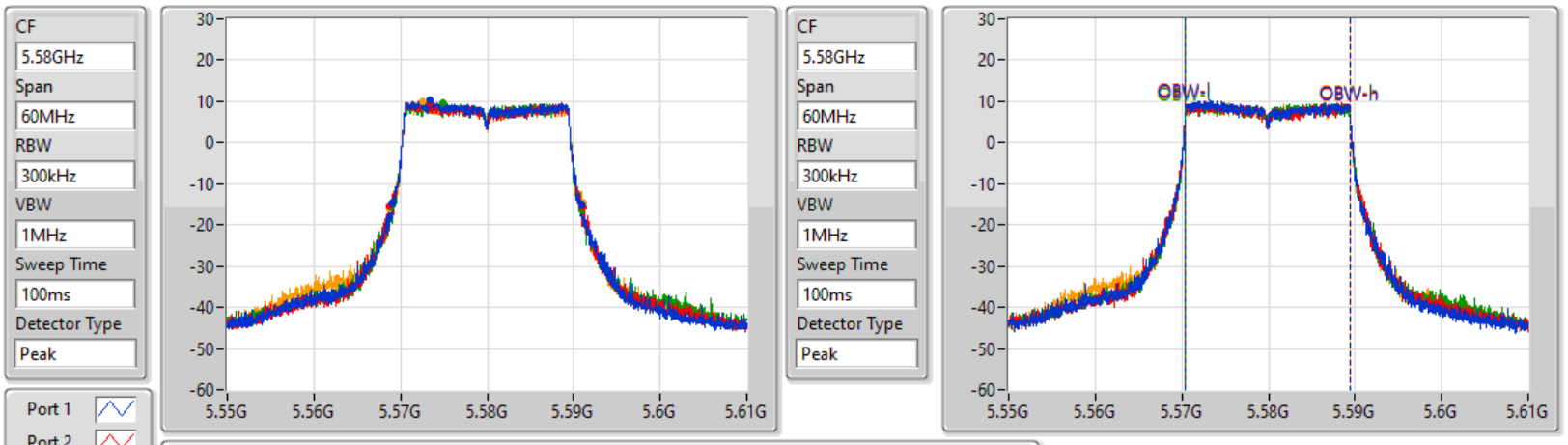
26dB(Hz)	FI-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	FI-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.4889G	5.5108G	19.07M	5.490405G	5.509475G	Inf	1
22.29M	5.48884G	5.51113G	19.1M	5.490405G	5.509505G	Inf	2
22.17M	5.48881G	5.51098G	19.07M	5.490405G	5.509475G	Inf	3
22.23M	5.48881G	5.51104G	19.07M	5.490405G	5.509475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

12/01/2022



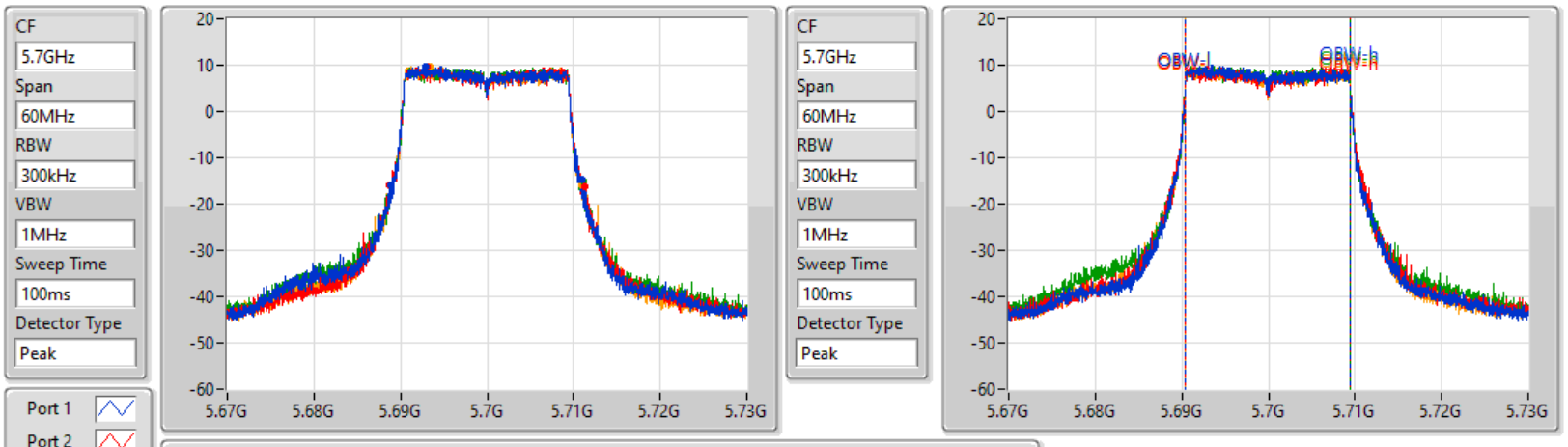
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.87M	5.56905G	5.59092G	19.07M	5.570405G	5.589475G	Inf	1
22.47M	5.56869G	5.59116G	19.1M	5.570405G	5.589505G	Inf	2
22.2M	5.56881G	5.59101G	19.07M	5.570405G	5.589475G	Inf	3
22.32M	5.56875G	5.59107G	19.07M	5.570405G	5.589475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

12/01/2022



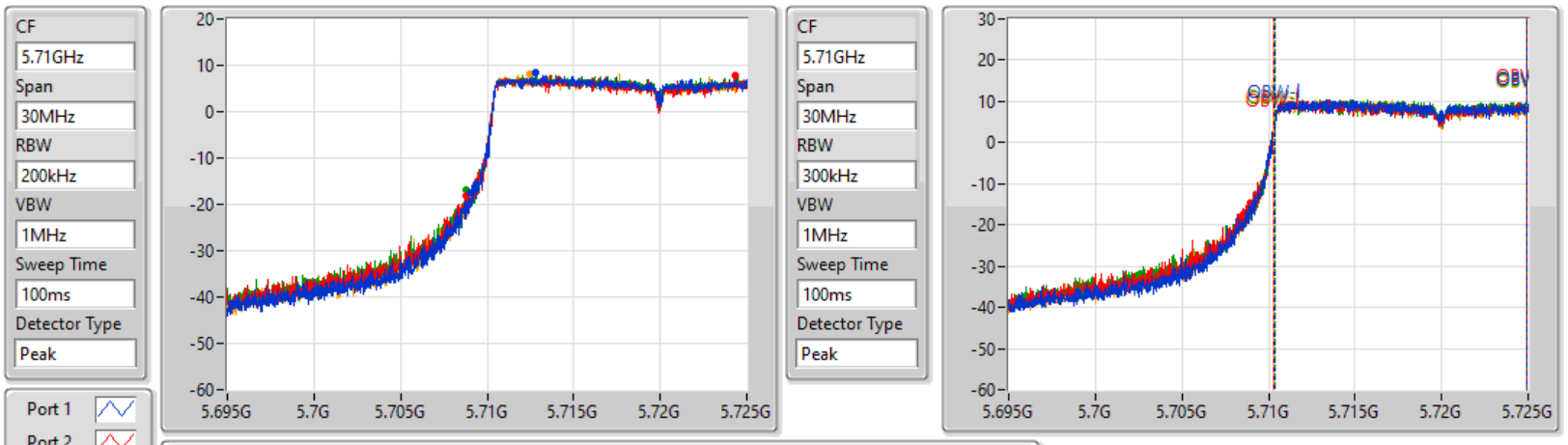
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.17M	5.68881G	5.71098G	19.04M	5.690405G	5.709445G	Inf	1
22.53M	5.68875G	5.71128G	19.13M	5.690375G	5.709505G	Inf	2
22.32M	5.68875G	5.71107G	19.07M	5.690405G	5.709475G	Inf	3
22.17M	5.68881G	5.71098G	19.1M	5.690375G	5.709475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

12/01/2022



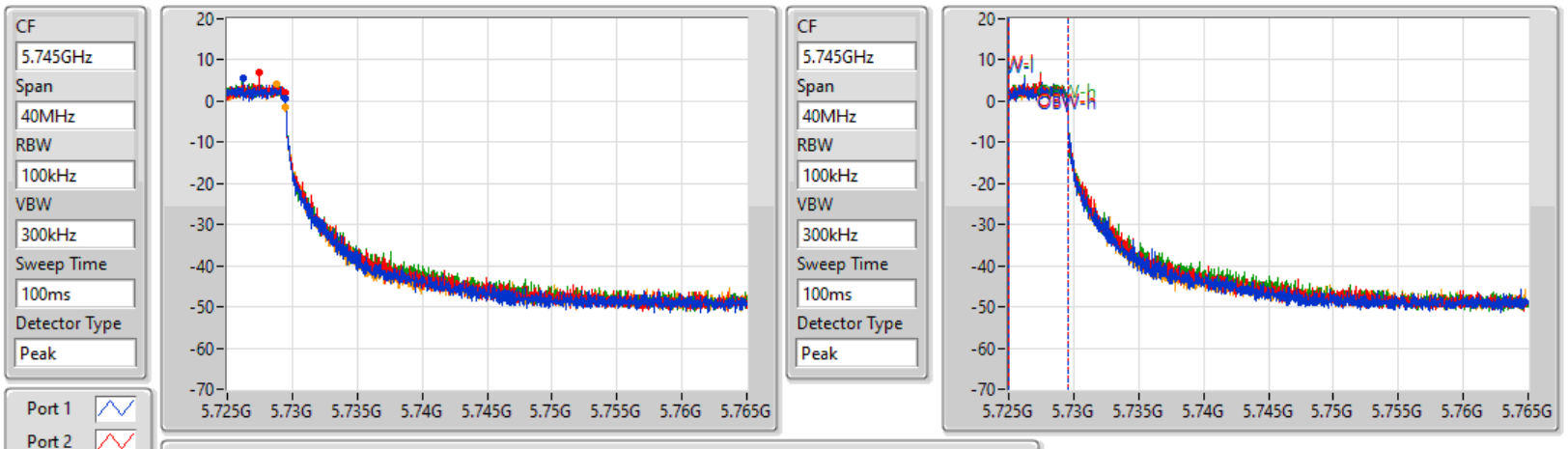
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.945M	5.709055G	5.725G	14.573M	5.71036G	5.724933G	Inf	1
16.2M	5.7088G	5.725G	14.618M	5.710315G	5.724933G	Inf	2
16.17M	5.70883G	5.725G	14.558M	5.71036G	5.724918G	Inf	3
16.005M	5.708995G	5.725G	14.603M	5.71033G	5.724933G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

12/01/2022



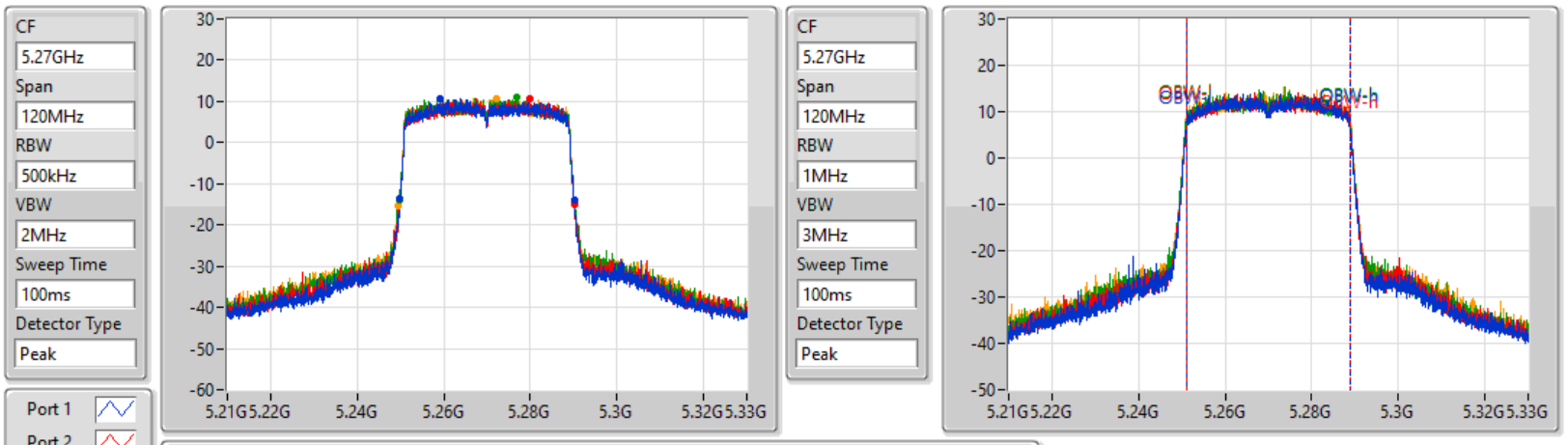
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.48M	5.725G	5.72948G	4.578M	5.72503G	5.729608G	500k	1
4.44M	5.72502G	5.72946G	4.578M	5.72503G	5.729608G	500k	2
4.44M	5.72502G	5.72946G	4.578M	5.72503G	5.729608G	500k	3
4.5M	5.725G	5.7295G	4.578M	5.72503G	5.729608G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

12/01/2022



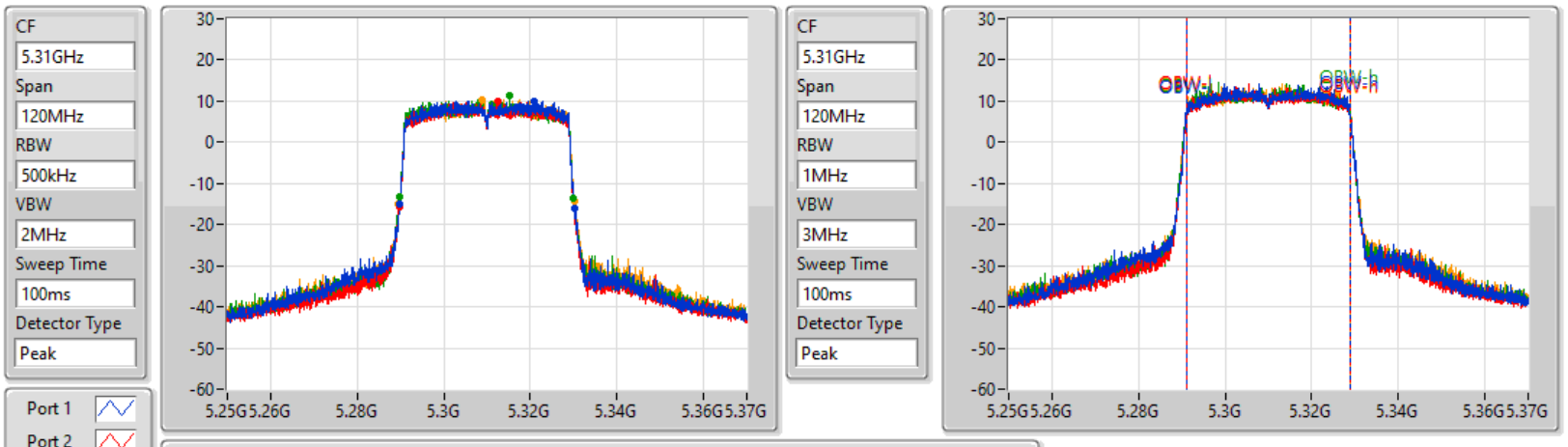
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	5.24978G	5.2901G	37.661M	5.251109G	5.288771G	Inf	1
40.44M	5.24984G	5.29028G	37.721M	5.251109G	5.288831G	Inf	2
40.5M	5.24972G	5.29022G	37.841M	5.25099G	5.288831G	Inf	3
40.92M	5.2493G	5.29022G	37.901M	5.25099G	5.288891G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

12/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.28972G	5.33034G	37.721M	5.291109G	5.328831G	Inf	1
40.44M	5.28978G	5.33022G	37.721M	5.291109G	5.328831G	Inf	2
40.08M	5.2899G	5.32998G	37.901M	5.29099G	5.328891G	Inf	3
40.62M	5.28954G	5.33016G	37.901M	5.29099G	5.328891G	Inf	4

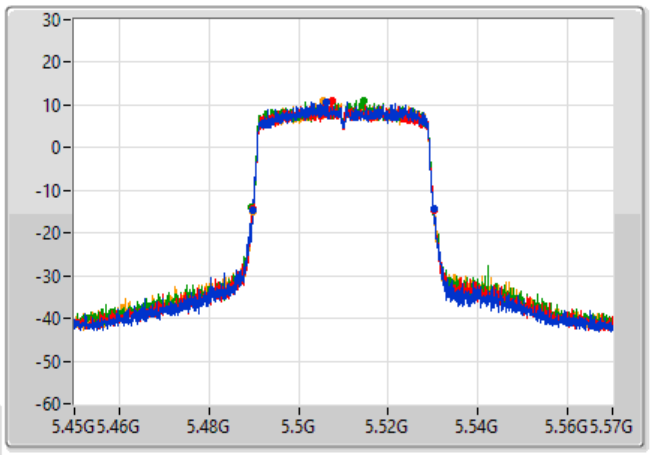
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

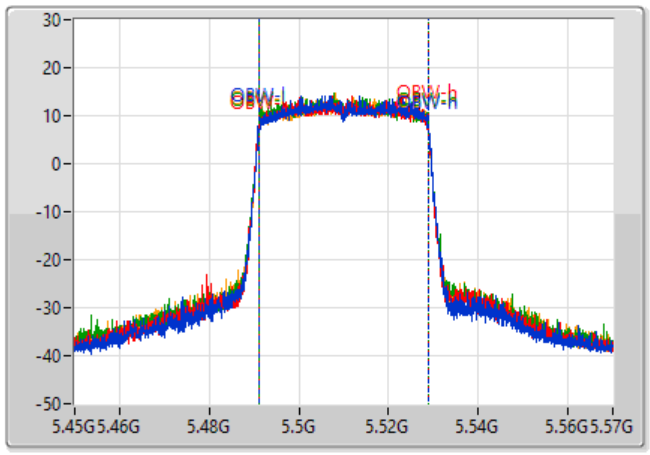
5510MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.38M	5.48978G	5.53016G	37.781M	5.491109G	5.528891G	Inf	1
40.32M	5.48978G	5.5301G	37.781M	5.491049G	5.528831G	Inf	2
40.68M	5.48954G	5.53022G	37.841M	5.491049G	5.528891G	Inf	3
40.62M	5.48966G	5.53028G	37.901M	5.49099G	5.528891G	Inf	4

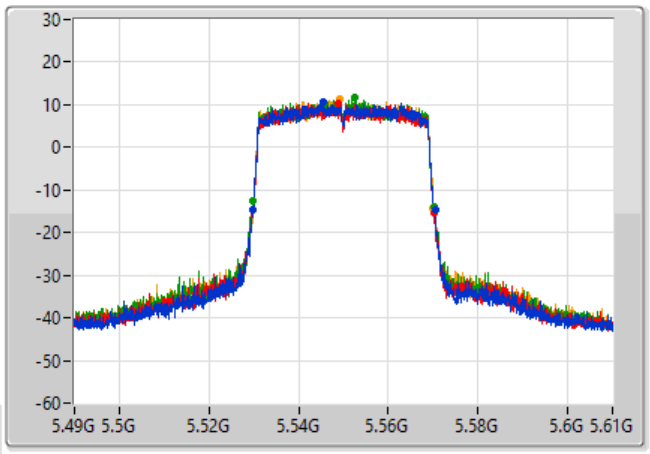
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

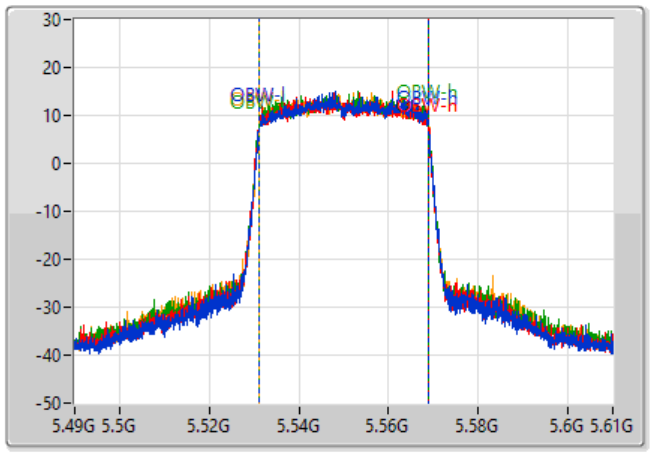
5550MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

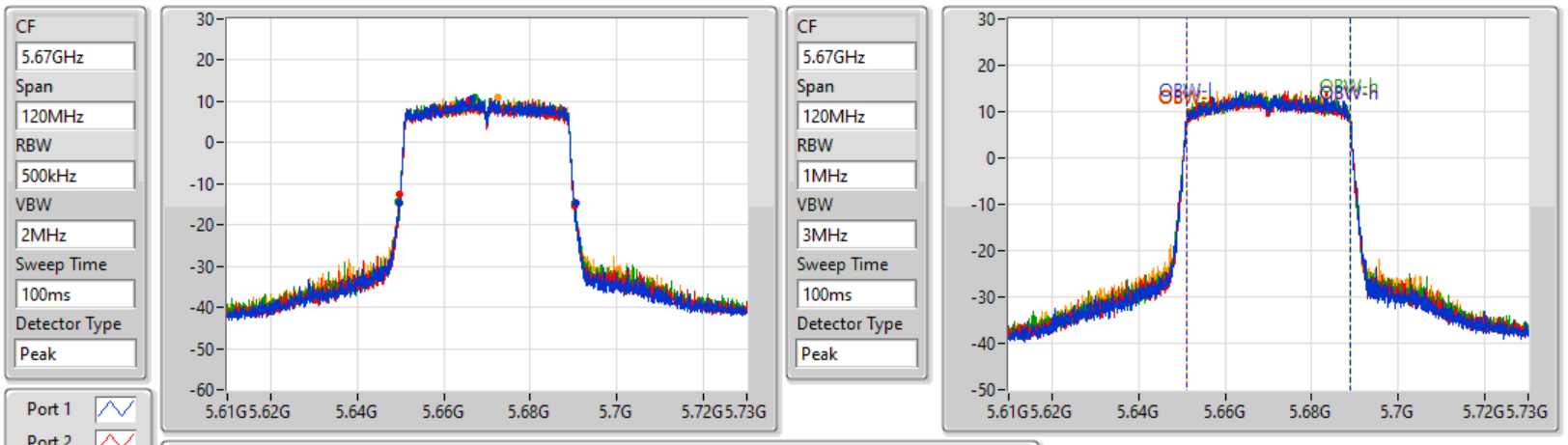
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.68M	5.52972G	5.5704G	37.721M	5.531109G	5.568831G	Inf	1
40.2M	5.5299G	5.5701G	37.781M	5.531049G	5.568831G	Inf	2
40.38M	5.52978G	5.57016G	37.781M	5.531049G	5.568831G	Inf	3
40.26M	5.52978G	5.57004G	37.901M	5.531049G	5.568951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

12/01/2022



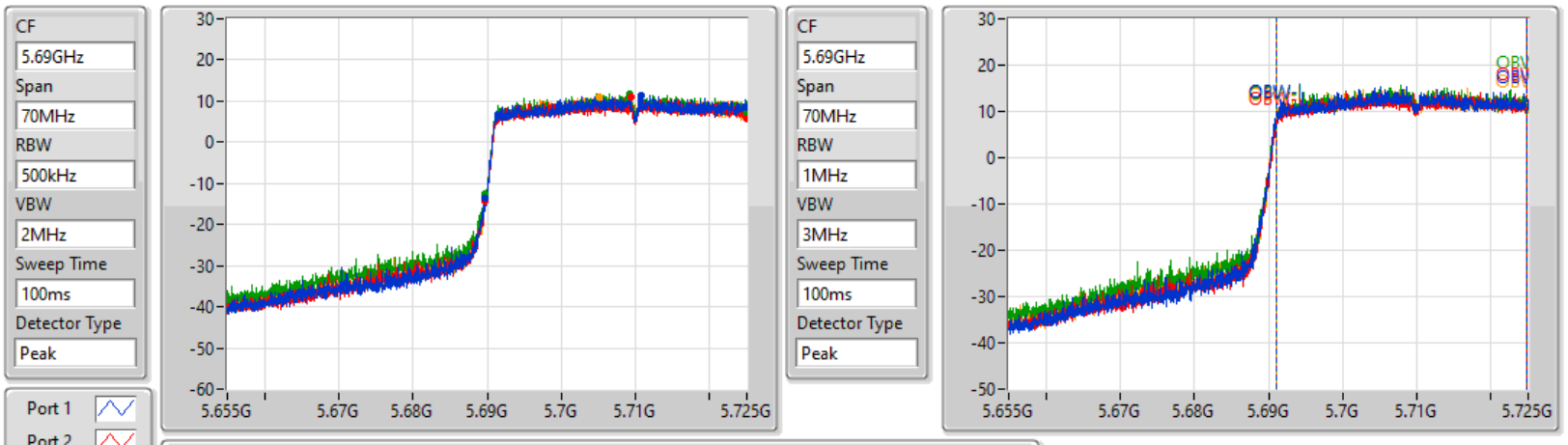
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.62M	5.64978G	5.6904G	37.841M	5.651049G	5.688891G	Inf	1
40.26M	5.64984G	5.6901G	37.721M	5.651049G	5.688771G	Inf	2
40.56M	5.64954G	5.6901G	37.841M	5.651049G	5.688891G	Inf	3
40.74M	5.6496G	5.69034G	37.841M	5.65099G	5.688831G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

12/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.28M	5.68972G	5.725G	33.828M	5.69098G	5.724808G	Inf	1
35.35M	5.68965G	5.725G	33.793M	5.691049G	5.724843G	Inf	2
35.28M	5.68972G	5.725G	33.863M	5.69098G	5.724843G	Inf	3
35.385M	5.689615G	5.725G	33.828M	5.69098G	5.724808G	Inf	4

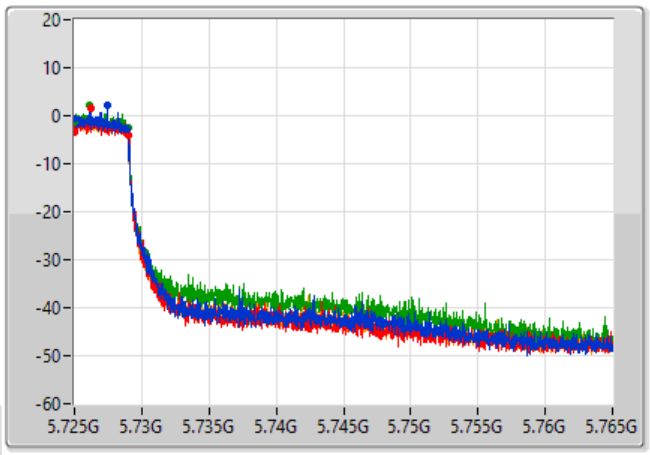
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

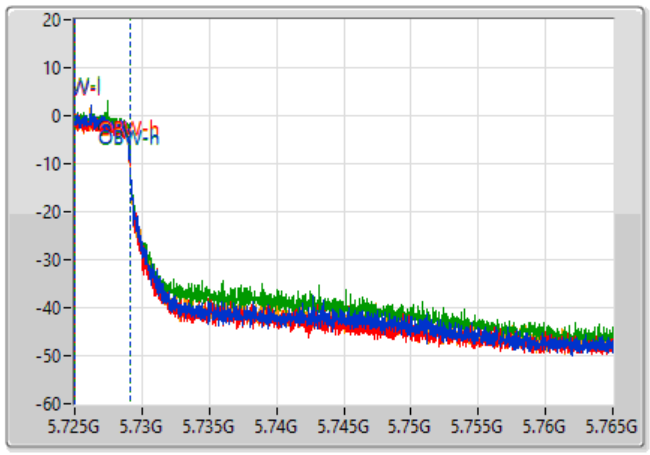
5710MHz Straddle 5.725-5.85GHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	fl-6dB(Hz)	fh-6dB(Hz)	OBW(Hz)	fl-OBW(Hz)	fh-OBW(Hz)	Limit(Hz)	Port
3.94M	5.725G	5.72894G	4.118M	5.72501G	5.729128G	500k	1
4.04M	5.725G	5.72904G	4.138M	5.72501G	5.729148G	500k	2
4M	5.725G	5.729G	4.118M	5.72501G	5.729128G	500k	3
3.96M	5.725G	5.72896G	4.118M	5.72501G	5.729128G	500k	4

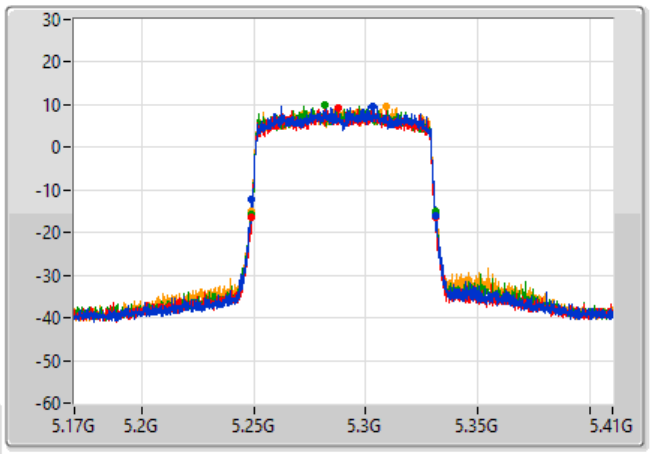
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

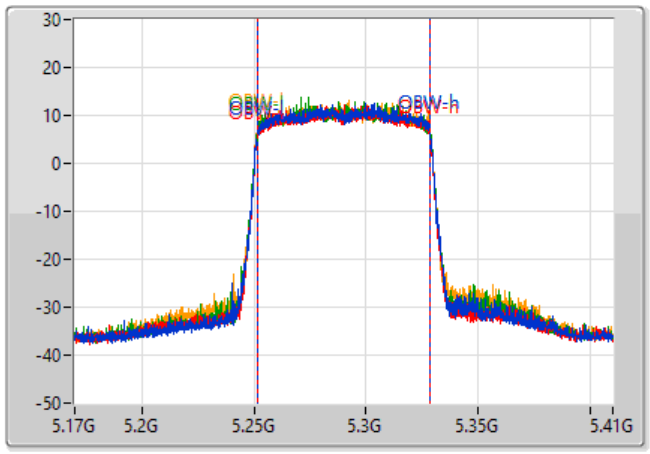
5290MHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

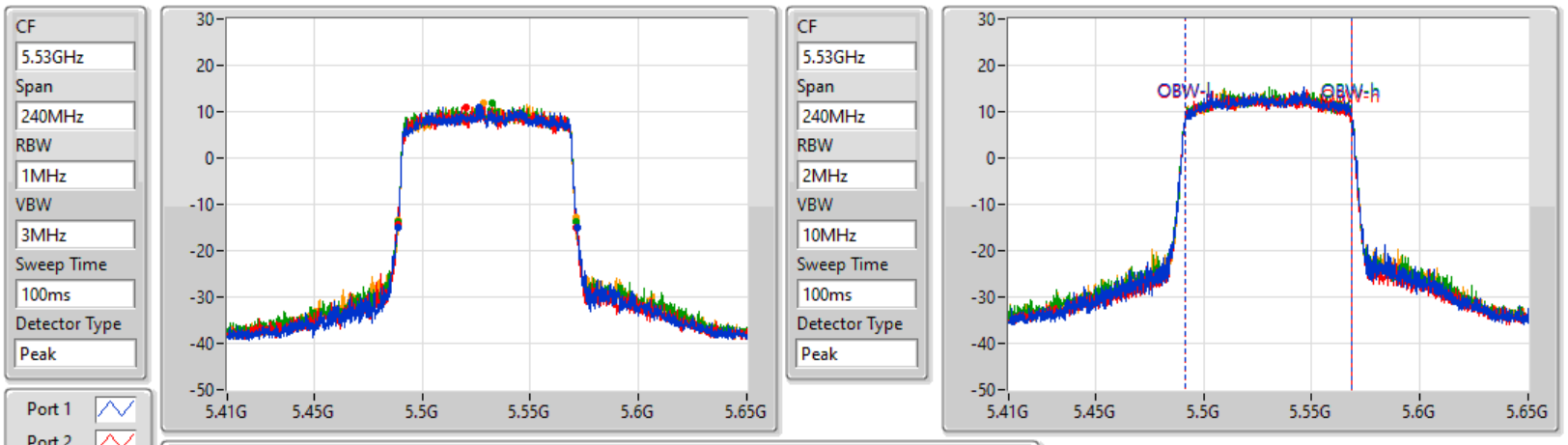
26dB(Hz)	fl-26dB(Hz)	fh-26dB(Hz)	OBW(Hz)	fl-OBW(Hz)	fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.24896G	5.33104G	77.121M	5.251499G	5.328621G	Inf	1
82.2M	5.24884G	5.33104G	77.241M	5.251379G	5.328621G	Inf	2
82.32M	5.24896G	5.33128G	77.361M	5.251259G	5.328621G	Inf	3
82.56M	5.24884G	5.3314G	77.361M	5.251259G	5.328621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

12/01/2022



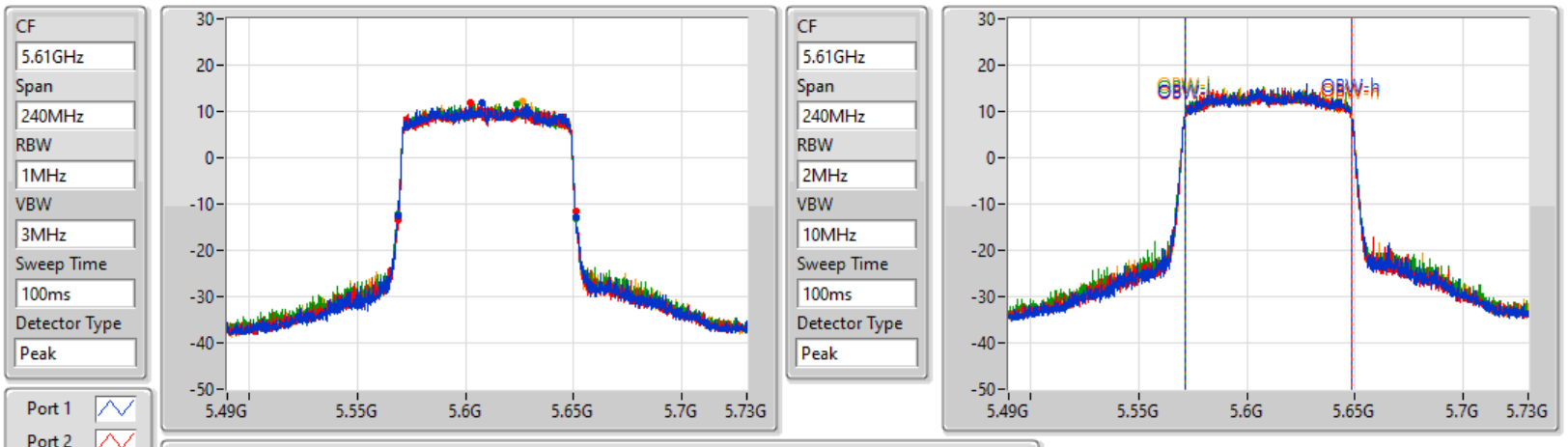
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.92M	5.4886G	5.57152G	77.361M	5.491379G	5.568741G	Inf	1
82.56M	5.4886G	5.57116G	77.361M	5.491259G	5.568621G	Inf	2
82.32M	5.48872G	5.57104G	77.481M	5.491259G	5.568741G	Inf	3
82.08M	5.48908G	5.57116G	77.241M	5.491379G	5.568621G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

12/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	5.5686G	5.65116G	77.361M	5.571259G	5.648621G	Inf	1
82.2M	5.56872G	5.65092G	77.241M	5.571259G	5.648501G	Inf	2
82.68M	5.56872G	5.6514G	77.361M	5.571259G	5.648621G	Inf	3
82.08M	5.56884G	5.65092G	77.361M	5.571259G	5.648621G	Inf	4

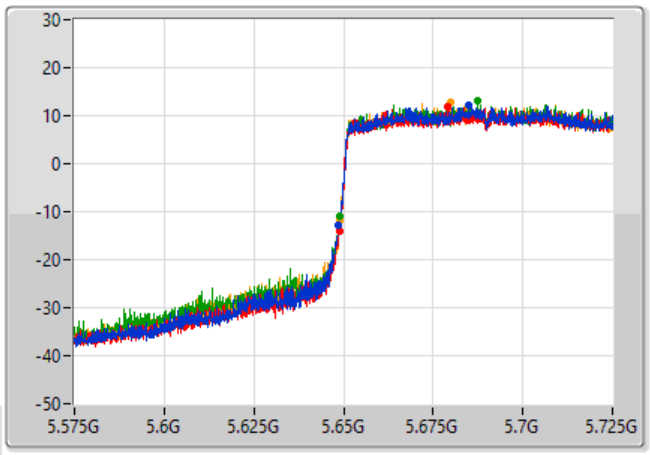
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

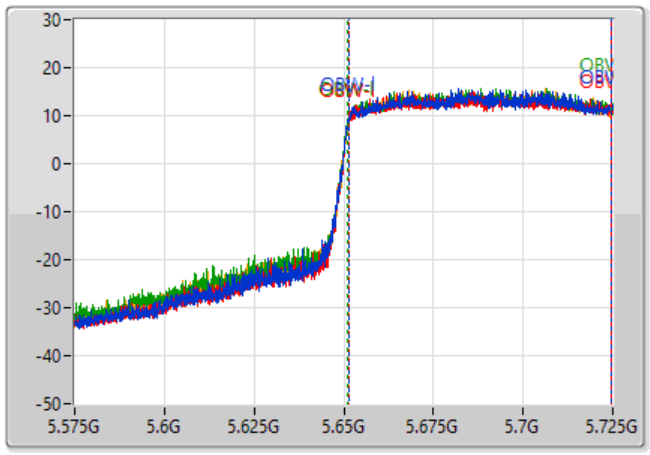
5690MHz Straddle 5.47-5.725GHz

12/01/2022

CF	5.65GHz
Span	150MHz
RBW	1MHz
VBW	3MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.65GHz
Span	150MHz
RBW	2MHz
VBW	10MHz
Sweep Time	100ms
Detector Type	Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.5M	5.6485G	5.725G	73.238M	5.651274G	5.724513G	Inf	1
76.125M	5.648875G	5.725G	73.313M	5.651274G	5.724588G	Inf	2
76.125M	5.648875G	5.725G	73.388M	5.651124G	5.724513G	Inf	3
76.125M	5.648875G	5.725G	73.238M	5.651274G	5.724513G	Inf	4

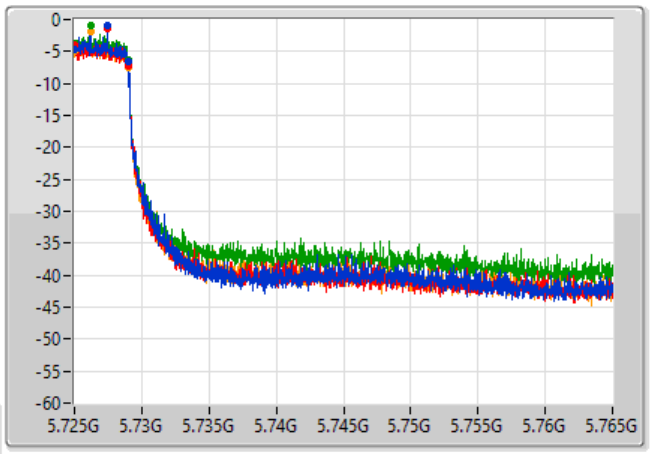
802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

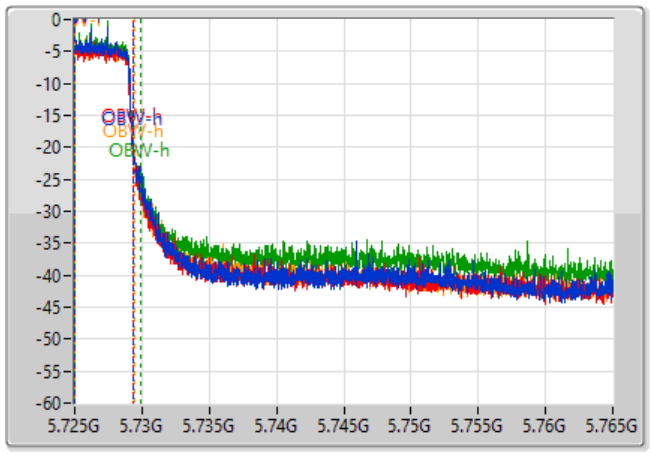
5690MHz Straddle 5.725-5.85GHz

12/01/2022

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



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



Port 1
Port 2
Port 3
Port 4

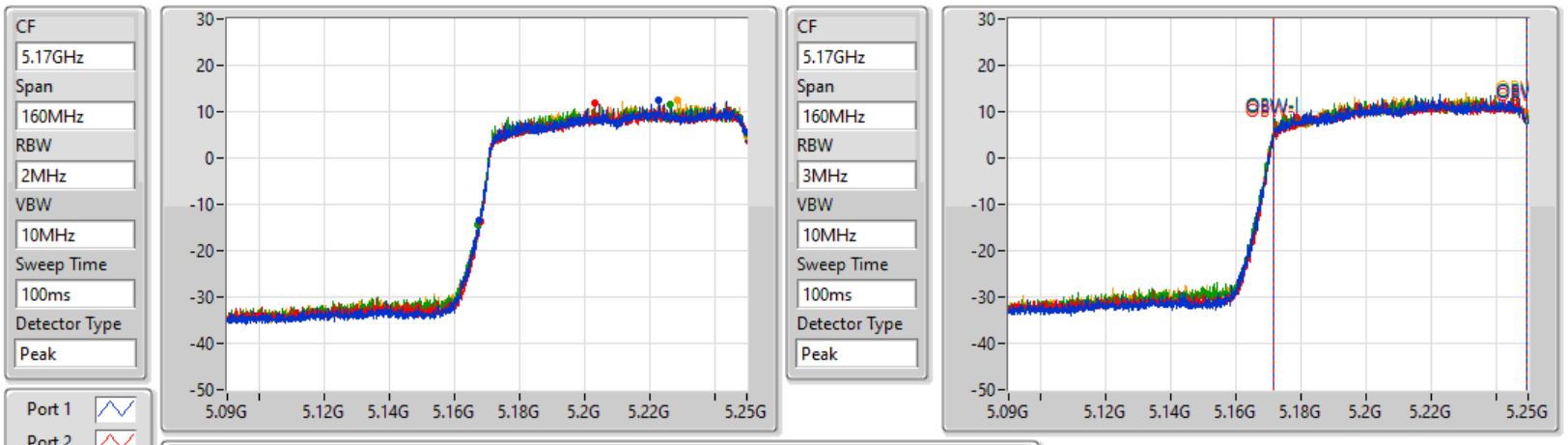
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.96M	5.725G	5.72896G	4.378M	5.72501G	5.729388G	500k	1
3.98M	5.725G	5.72898G	4.358M	5.72501G	5.729368G	500k	2
4M	5.725G	5.729G	4.858M	5.72501G	5.729868G	500k	3
3.98M	5.725G	5.72898G	4.378M	5.72503G	5.729408G	500k	4

802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

12/01/2022



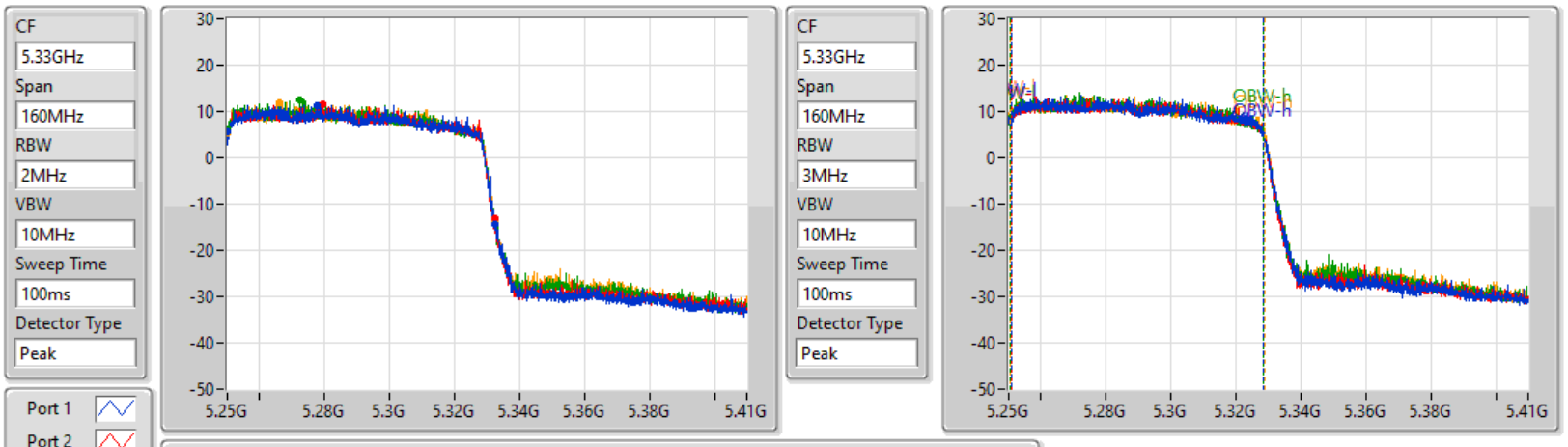
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.4M	5.1676G	5.25G	77.881M	5.171519G	5.2494G	Inf	1
82.16M	5.16784G	5.25G	77.801M	5.171599G	5.2494G	Inf	2
83.04M	5.16696G	5.25G	77.961M	5.171439G	5.2494G	Inf	3
82M	5.168G	5.25G	77.881M	5.171519G	5.2494G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

12/01/2022



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	5.25G	5.33256G	77.881M	5.25068G	5.328561G	Inf	1
82.64M	5.25G	5.33264G	77.881M	5.25068G	5.328561G	Inf	2
82.4M	5.25G	5.3324G	77.881M	5.2506G	5.328481G	Inf	3
82.4M	5.25G	5.3324G	78.201M	5.25052G	5.328721G	Inf	4

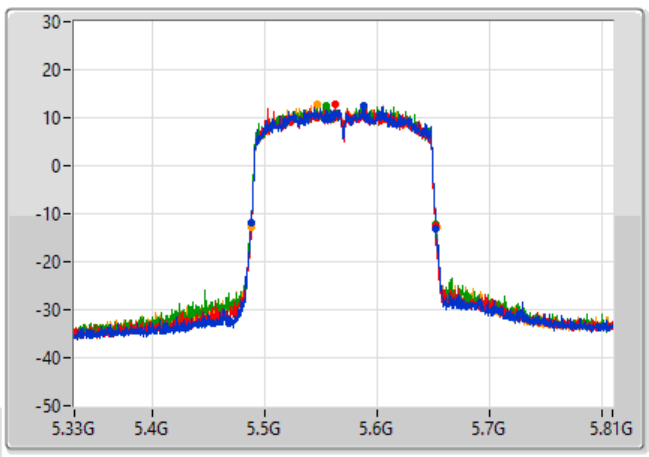
802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

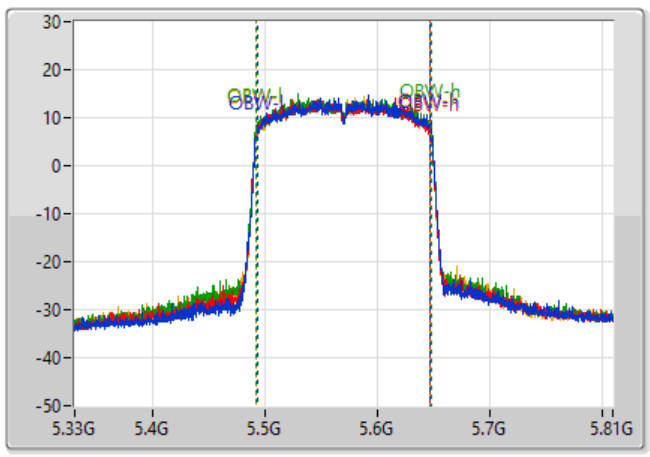
5570MHz

12/01/2022

CF	5.57GHz
Span	480MHz
RBW	2MHz
VBW	10MHz
Sweep Time	100ms
Detector Type	Peak



CF	5.57GHz
Span	480MHz
RBW	3MHz
VBW	10MHz
Sweep Time	100ms
Detector Type	Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	fl-26dB(Hz)	fh-26dB(Hz)	OBW(Hz)	fl-OBW(Hz)	fh-OBW(Hz)	Limit(Hz)	Port
165.6M	5.4872G	5.6528G	154.723M	5.492759G	5.647481G	Inf	1
164.4M	5.48816G	5.65256G	154.963M	5.492519G	5.647481G	Inf	2
165.36M	5.48744G	5.6528G	155.442M	5.492279G	5.647721G	Inf	3
165.6M	5.48744G	5.65304G	155.202M	5.492279G	5.647481G	Inf	4

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_8TX	20.70	0.11749
802.11ax HEW20_Nss1,(MCS0)_8TX	20.93	0.12388
802.11ax HEW40_Nss1,(MCS0)_8TX	23.59	0.22856
802.11ax HEW80_Nss1,(MCS0)_8TX	23.14	0.20606
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_8TX	22.12	0.16293
802.11ax HEW20_Nss1,(MCS0)_8TX	22.27	0.16866
802.11ax HEW40_Nss1,(MCS0)_8TX	23.86	0.24322
802.11ax HEW80_Nss1,(MCS0)_8TX	23.94	0.24774
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_8TX	13.69	0.02339
802.11ax HEW20_Nss1,(MCS0)_8TX	15.64	0.03664
802.11ax HEW40_Nss1,(MCS0)_8TX	13.92	0.02466
802.11ax HEW80_Nss1,(MCS0)_8TX	10.28	0.01067

Result

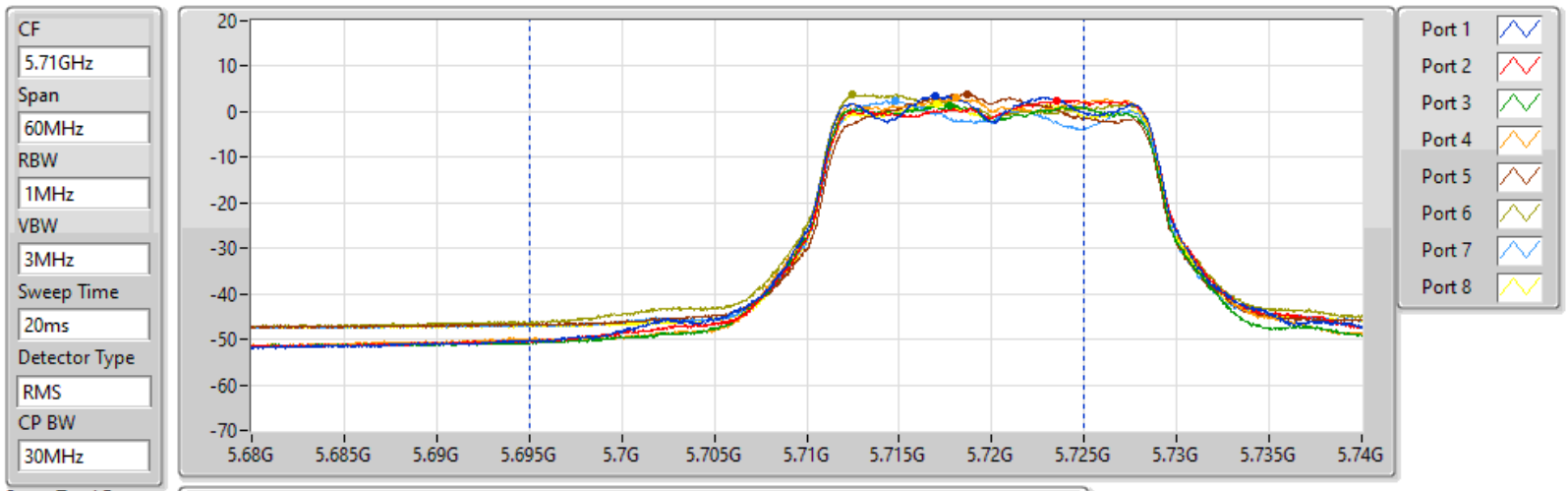
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.99	11.57	11.30	11.54	11.64	11.61	11.79	11.76	11.09	20.57	20.84
5300MHz	Pass	8.99	11.79	11.14	11.51	11.56	11.05	11.39	11.69	11.02	20.43	20.82
5320MHz	Pass	8.99	11.29	11.86	12.25	11.75	11.33	11.93	11.12	11.72	20.70	20.78
5500MHz	Pass	7.38	13.92	13.06	13.35	12.38	13.83	12.67	12.63	12.56	22.12	22.38
5580MHz	Pass	7.38	12.14	11.19	13.25	12.87	12.70	11.46	13.43	12.70	21.56	22.34
5700MHz	Pass	7.38	13.89	13.39	12.18	12.92	13.15	12.59	12.22	12.43	21.91	22.32
5720MHz Straddle 5.47-5.725GHz	Pass	7.38	12.38	11.45	11.10	12.32	12.46	12.63	10.74	11.20	20.87	21.09
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	4.63	6.13	3.90	6.40	2.26	5.36	3.12	3.82	13.69	29.40
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.99	11.90	11.95	12.08	11.89	11.77	11.97	12.14	11.45	20.93	20.99
5300MHz	Pass	8.99	12.03	11.69	12.01	11.98	11.61	11.36	11.30	11.15	20.68	20.99
5320MHz	Pass	8.99	11.82	12.24	12.10	11.76	11.66	12.05	11.75	11.31	20.88	20.99
5500MHz	Pass	7.38	14.03	14.11	13.39	12.81	13.59	12.29	12.36	12.53	22.22	22.60
5580MHz	Pass	7.38	13.98	13.17	13.02	13.65	13.36	13.84	12.32	12.28	22.27	22.60
5700MHz	Pass	7.38	13.24	12.48	13.19	13.42	12.93	11.63	12.52	12.15	21.76	22.60
5720MHz Straddle 5.47-5.725GHz	Pass	7.38	12.34	12.49	12.35	12.68	12.32	11.42	12.10	11.30	21.18	21.44
5720MHz Straddle 5.725-5.85GHz	Pass	6.60	7.73	5.43	6.17	7.25	7.01	5.91	7.24	5.47	15.64	29.40
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	5.99	14.62	14.51	14.87	14.56	14.64	14.35	14.53	14.37	23.59	23.98
5310MHz	Pass	5.99	14.37	14.49	14.58	14.69	14.61	14.28	14.36	14.42	23.51	23.98
5510MHz	Pass	4.38	14.95	14.85	14.46	14.97	14.64	14.89	14.05	13.31	23.58	23.98
5550MHz	Pass	4.38	15.35	14.59	14.78	15.26	15.11	15.16	14.13	14.06	23.86	23.98
5670MHz	Pass	4.38	14.61	13.77	14.46	14.57	14.96	15.06	14.26	13.45	23.45	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.38	14.78	14.37	14.46	14.84	15.36	15.55	14.01	13.80	23.71	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.60	5.68	2.97	4.20	4.82	5.27	5.89	4.92	4.68	13.92	30.00
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	5.99	14.24	14.12	14.34	14.19	14.16	13.86	14.02	13.95	23.14	23.98
5530MHz	Pass	4.38	15.05	14.06	14.49	14.94	14.71	14.68	13.81	13.47	23.46	23.98
5610MHz	Pass	4.38	15.23	14.53	15.18	14.57	15.27	15.76	14.46	14.05	23.94	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.38	15.04	14.35	14.73	14.95	15.47	15.51	14.63	14.26	23.92	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.60	1.99	-1.01	0.85	1.27	1.55	2.00	1.45	1.22	10.28	30.00

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

802.11a_Nss1,(6Mbps)_8TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022

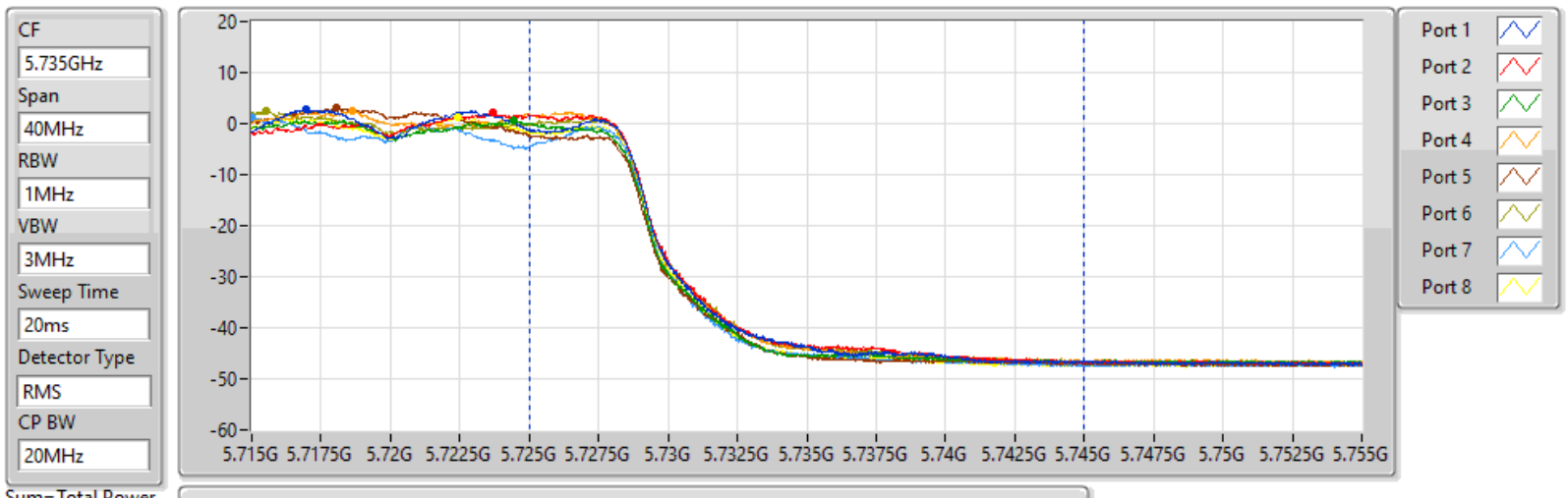


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
20.87	12.38	11.45	11.10	12.32	12.46	12.63	10.74	11.20

802.11a_Nss1,(6Mbps)_8TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022

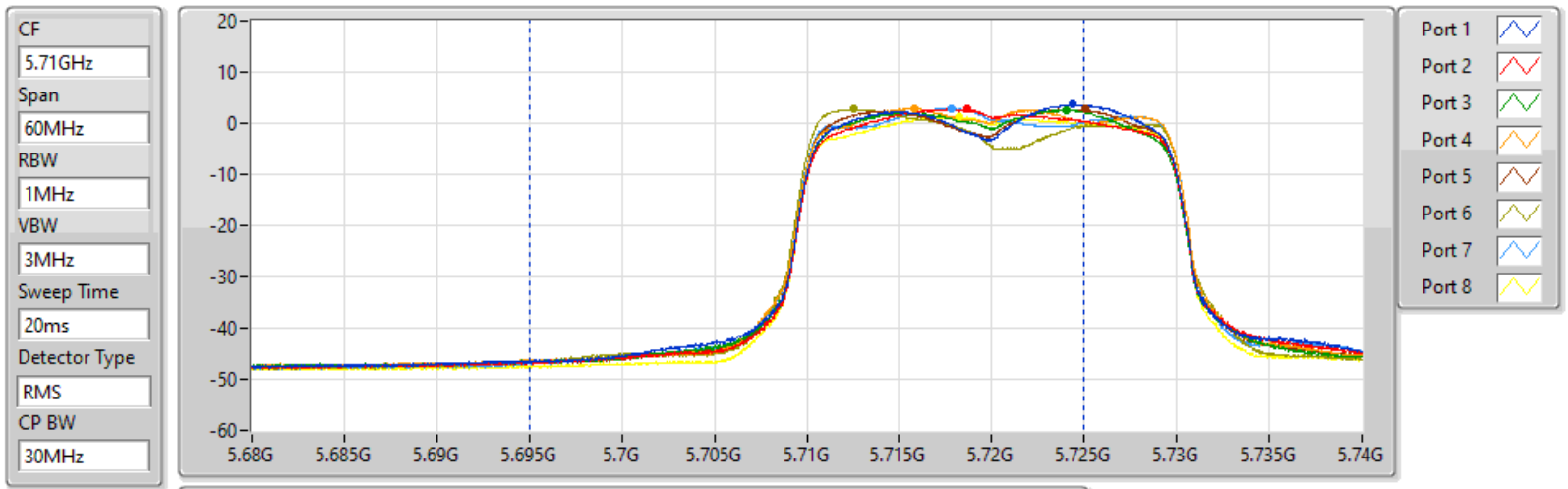


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
13.69	4.63	6.13	3.90	6.40	2.26	5.36	3.12	3.82

802.11ax HEW20_Nss1,(MCS0)_8TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022



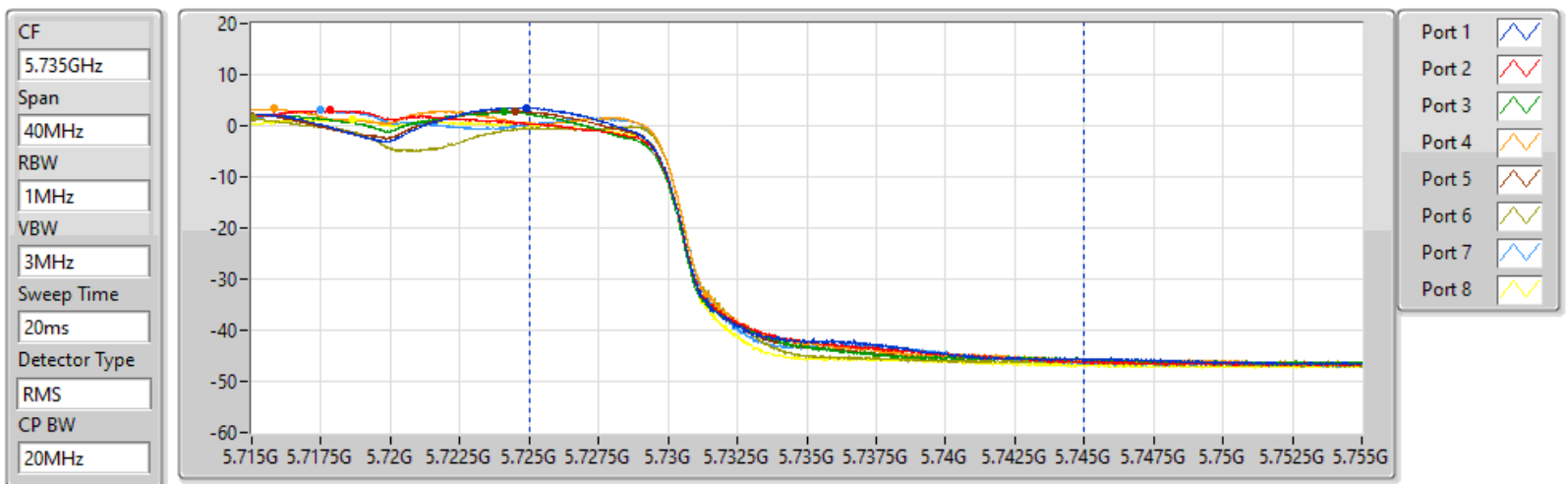
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
21.18	12.34	12.49	12.35	12.68	12.32	11.42	12.10	11.30

802.11ax HEW20_Nss1,(MCS0)_8TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022



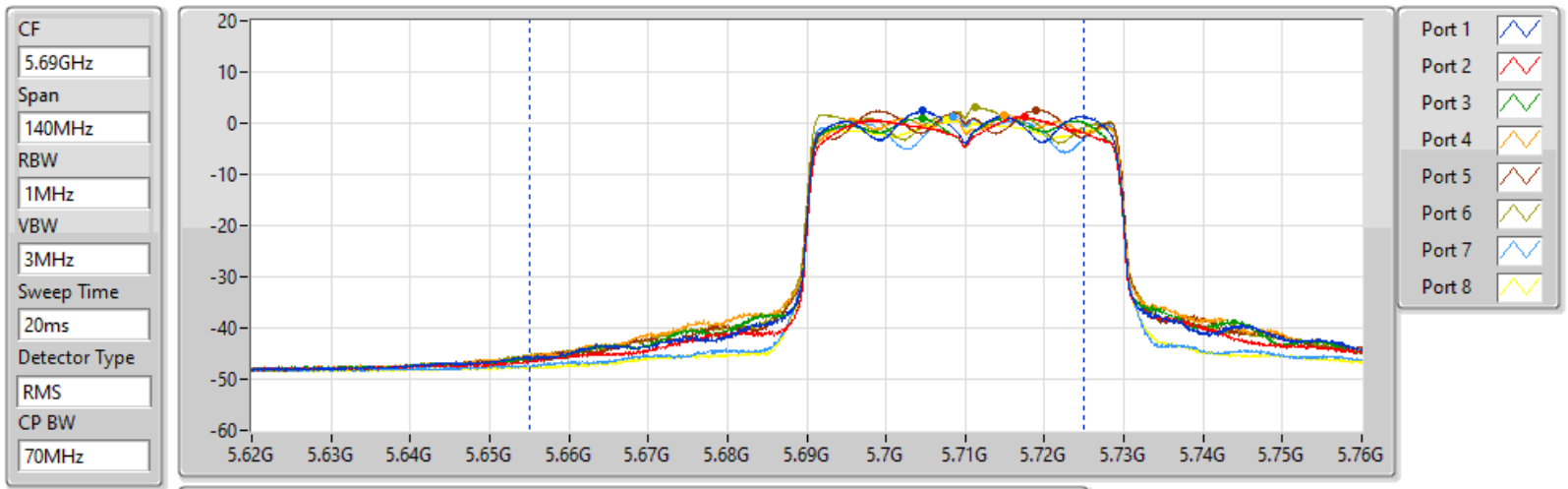
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
15.64	7.73	5.43	6.17	7.25	7.01	5.91	7.24	5.47

802.11ax HEW40_Nss1,(MCS0)_8TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022

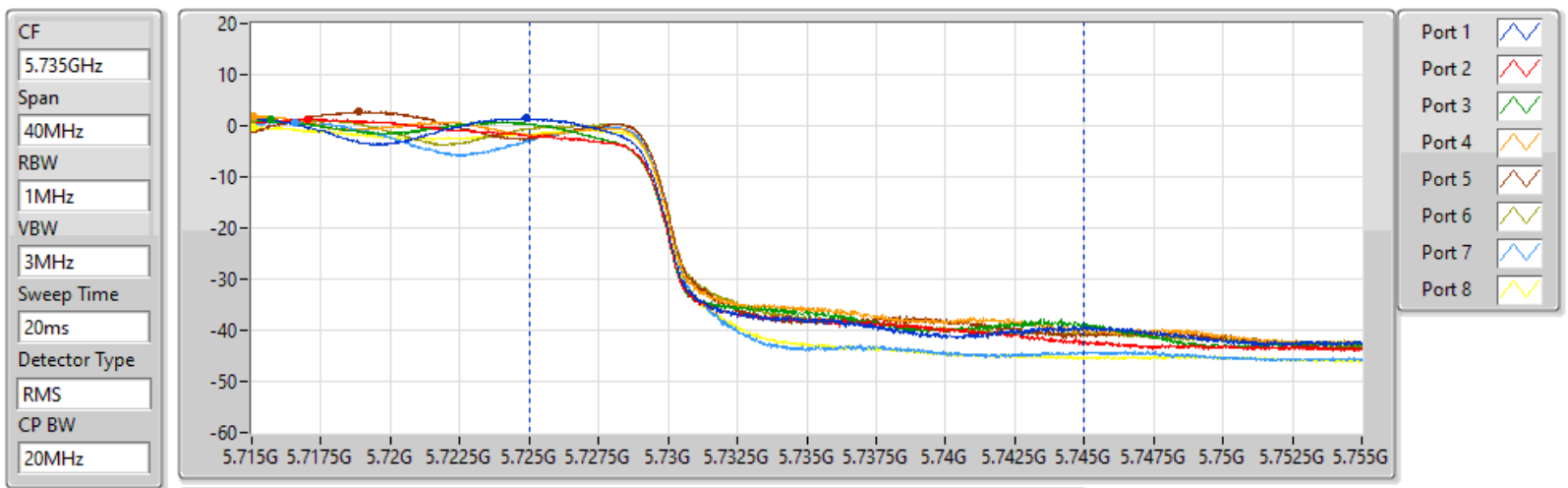


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.71	14.78	14.37	14.46	14.84	15.36	15.55	14.01	13.80

802.11ax HEW40_Nss1,(MCS0)_8TX **AV Power**

5710MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022

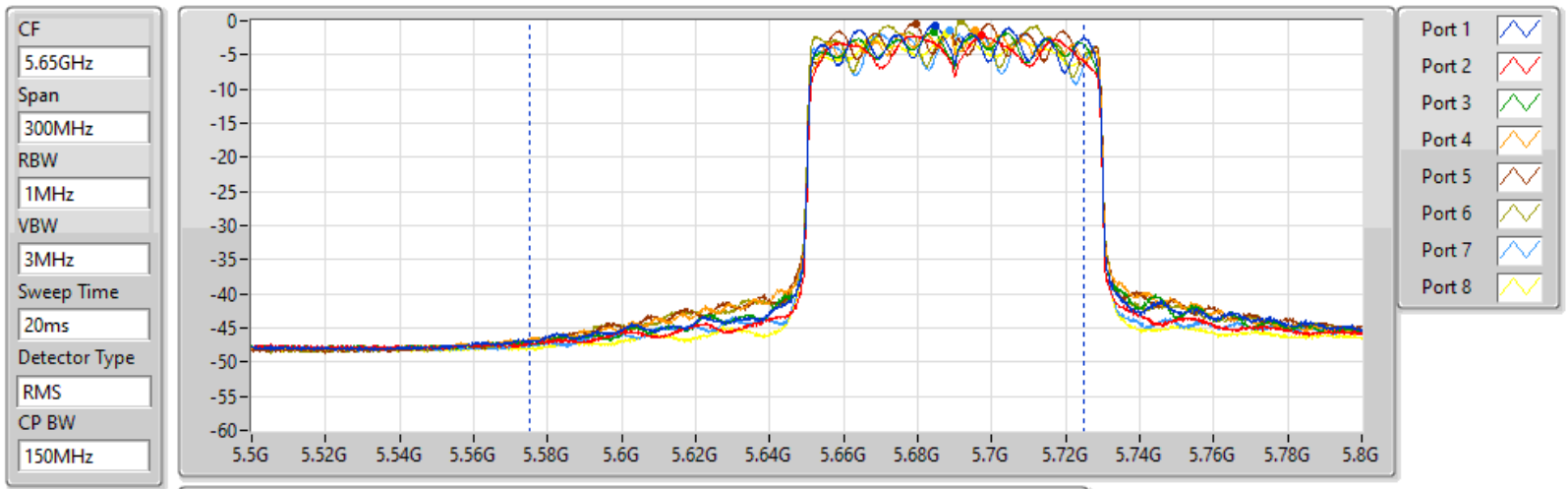


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
13.92	5.68	2.97	4.20	4.82	5.27	5.89	4.92	4.68

802.11ax HEW80_Nss1,(MCS0)_8TX **AV Power**

5690MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022



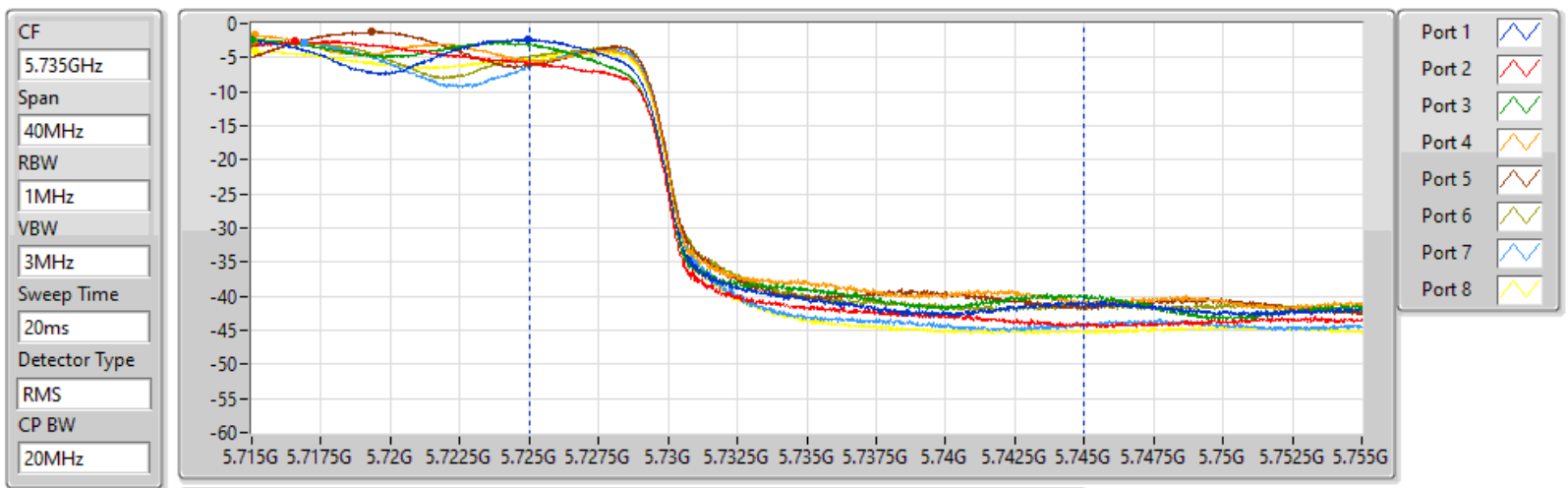
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.92	15.04	14.35	14.73	14.95	15.47	15.51	14.63	14.26

802.11ax HEW80_Nss1,(MCS0)_8TX **AV Power**

5690MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
10.28	1.99	-1.01	0.85	1.27	1.55	2.00	1.45	1.22

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	20.93	0.12388
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	21.03	0.12677
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	21.07	0.12794
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	22.27	0.16866
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	22.18	0.16520
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	22.49	0.17742
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	15.64	0.03664
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	12.41	0.01742
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	8.75	0.00750

Result

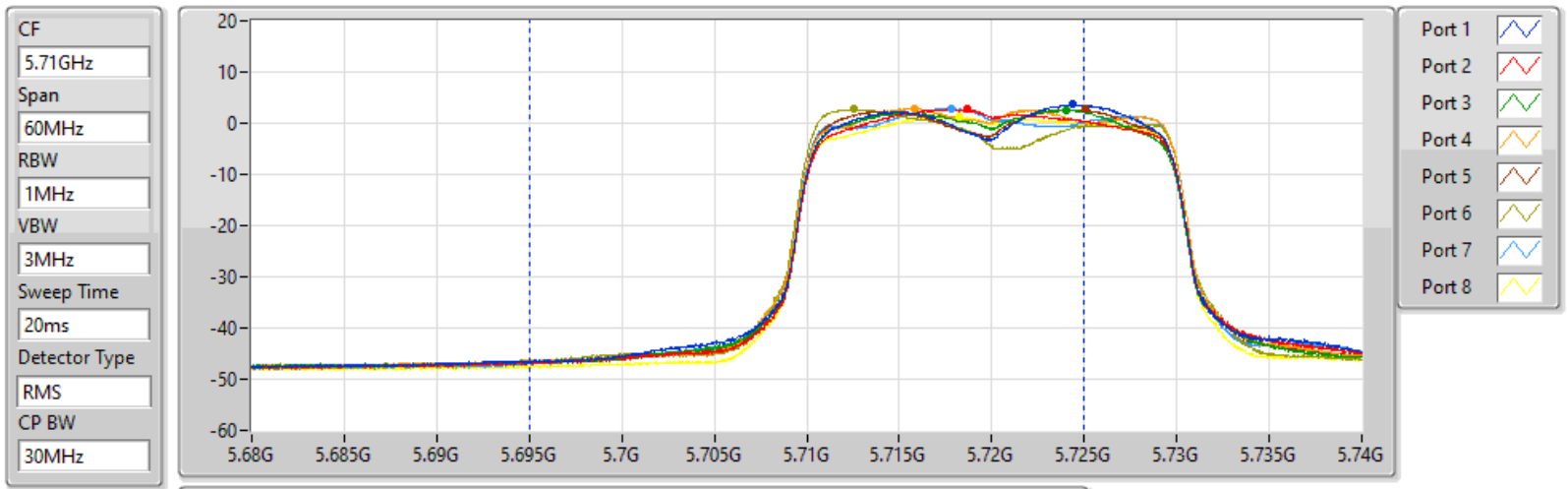
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.65	11.90	11.95	12.08	11.89	11.77	11.97	12.14	11.45	20.93	21.33
5300MHz	Pass	8.65	12.03	11.69	12.01	11.98	11.61	11.36	11.30	11.15	20.68	21.33
5320MHz	Pass	8.65	11.82	12.24	12.10	11.76	11.66	12.05	11.75	11.31	20.88	21.33
5500MHz	Pass	7.37	14.03	14.11	13.39	12.81	13.59	12.29	12.36	12.53	22.22	22.61
5580MHz	Pass	7.37	13.98	13.17	13.02	13.65	13.36	13.84	12.32	12.28	22.27	22.61
5700MHz	Pass	7.37	13.24	12.48	13.19	13.42	12.93	11.63	12.52	12.15	21.76	22.61
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	12.34	12.49	12.35	12.68	12.32	11.42	12.10	11.30	21.18	21.45
5720MHz Straddle 5.725-5.85GHz	Pass	7.13	7.73	5.43	6.17	7.25	7.01	5.91	7.24	5.47	15.64	28.87
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8.65	12.51	11.98	11.75	11.39	11.75	12.22	11.69	12.17	20.98	21.33
5310MHz	Pass	8.65	12.50	11.66	12.22	12.03	11.81	11.87	11.59	12.23	21.03	21.33
5510MHz	Pass	7.37	13.81	12.04	12.97	12.48	11.51	12.03	13.10	12.08	21.59	22.61
5550MHz	Pass	7.37	12.91	11.88	12.07	12.69	11.53	11.44	12.98	12.49	21.32	22.61
5670MHz	Pass	7.37	12.87	11.88	11.96	12.51	11.60	12.27	13.14	13.01	21.47	22.61
5710MHz Straddle 5.47-5.725GHz	Pass	7.37	13.67	12.48	12.96	13.10	12.43	12.41	14.03	13.78	22.18	22.61
5710MHz Straddle 5.725-5.85GHz	Pass	7.13	3.36	2.10	1.82	4.03	3.13	3.60	4.41	3.91	12.41	28.87
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8.65	12.66	11.86	12.26	11.92	11.83	11.91	11.66	12.10	21.07	21.33
5530MHz	Pass	7.37	14.37	13.08	13.15	13.67	12.58	12.72	13.79	13.57	22.43	22.61
5610MHz	Pass	7.37	12.77	13.31	13.29	13.62	12.71	12.64	14.37	13.64	22.36	22.61
5690MHz Straddle 5.47-5.725GHz	Pass	7.37	13.99	12.81	12.98	13.40	12.91	13.00	14.20	14.13	22.49	22.61
5690MHz Straddle 5.725-5.85GHz	Pass	7.13	-0.30	-1.32	-2.21	0.37	-0.32	0.17	0.47	0.21	8.75	28.87

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

802.11ax HEW20_Nss1,(MCS0)_8TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022

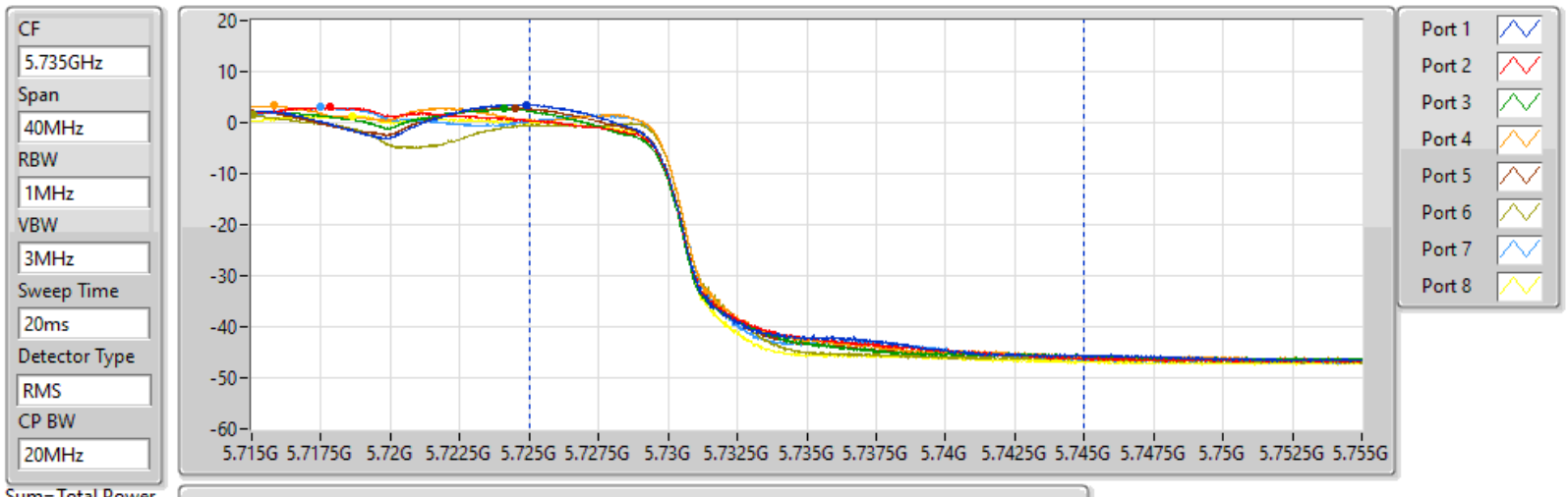


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
21.18	12.34	12.49	12.35	12.68	12.32	11.42	12.10	11.30

802.11ax HEW20_Nss1,(MCS0)_8TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022

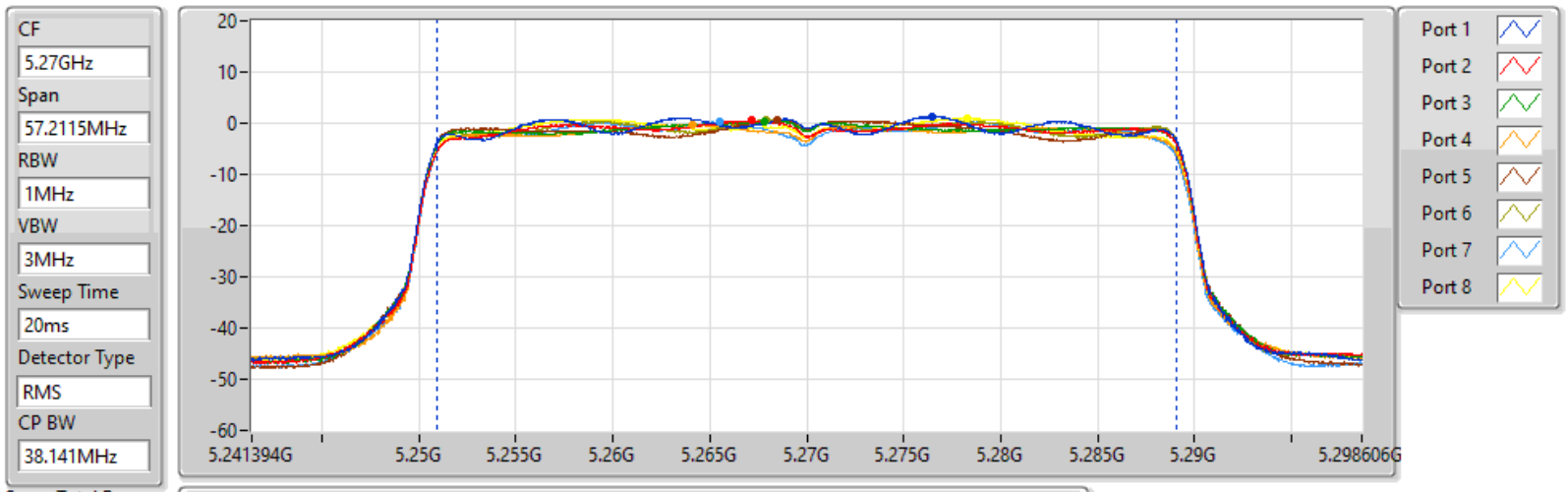


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
15.64	7.73	5.43	6.17	7.25	7.01	5.91	7.24	5.47

802.11ax HEW40-BF_Nss1,(MCS0)_8TX **AV Power**

5270MHz_TnomVnom

28/03/2022

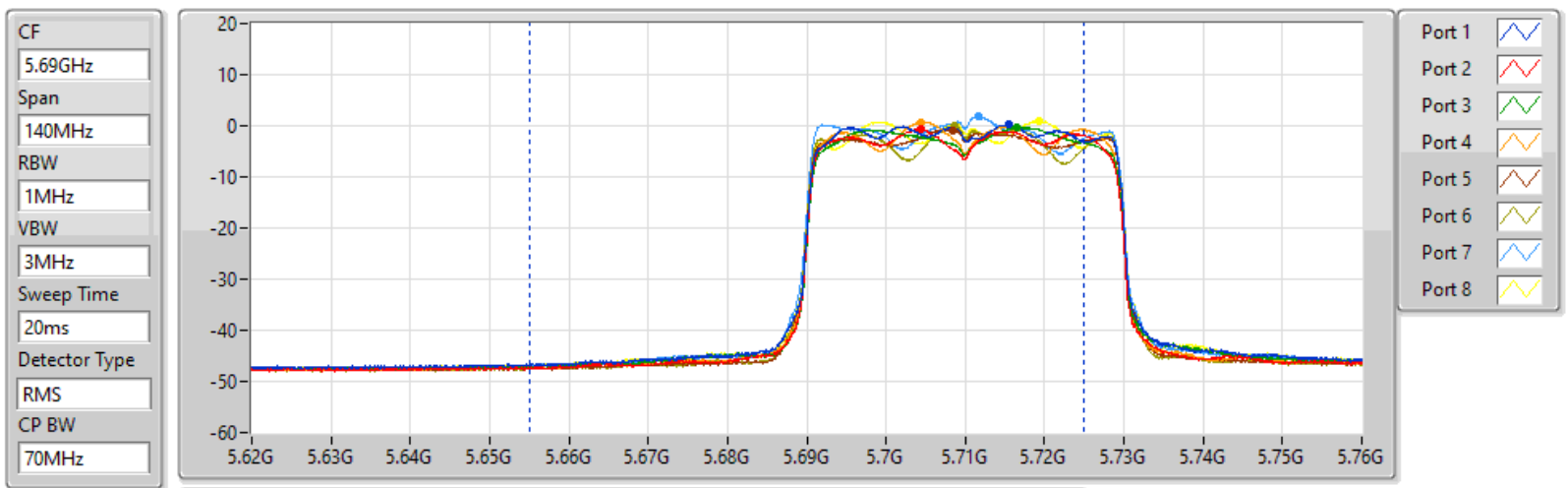


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
23.51	14.90	14.47	14.49	14.00	14.27	14.63	14.25	14.77

802.11ax HEW40-BF_Nss1,(MCS0)_8TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TnomVnom

28/03/2022

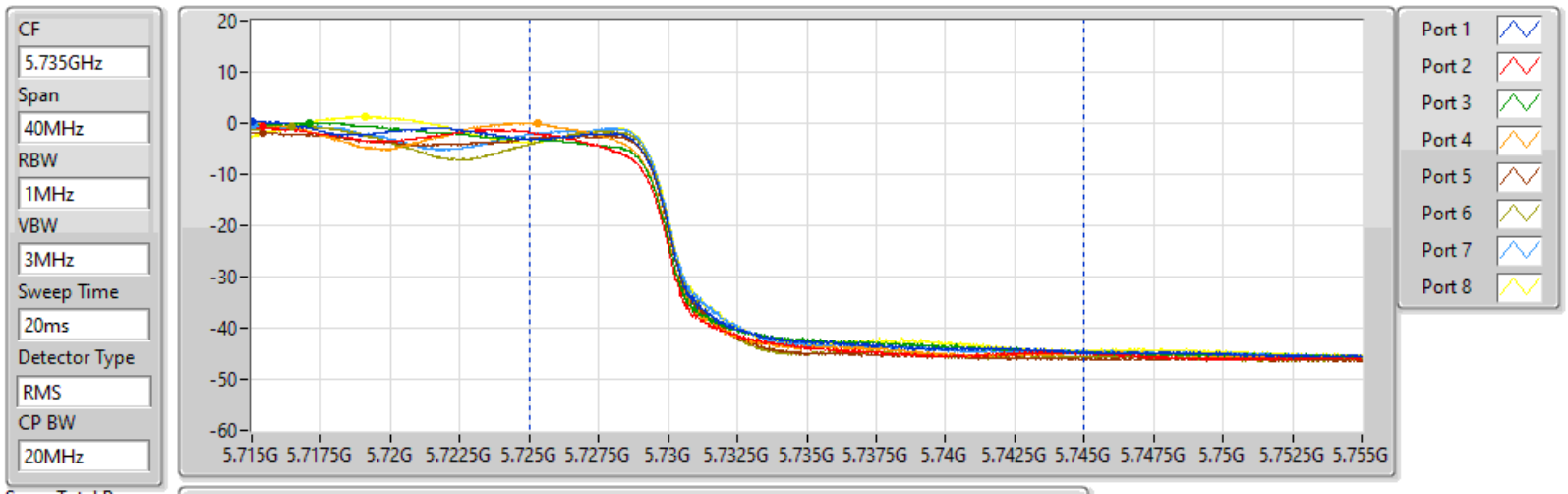


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
22.18	13.67	12.48	12.96	13.10	12.43	12.41	14.03	13.78

802.11ax HEW40-BF_Nss1,(MCS0)_8TX **AV Power**

5710MHz Straddle 5.725-5.85GHz_TnomVnom

28/03/2022



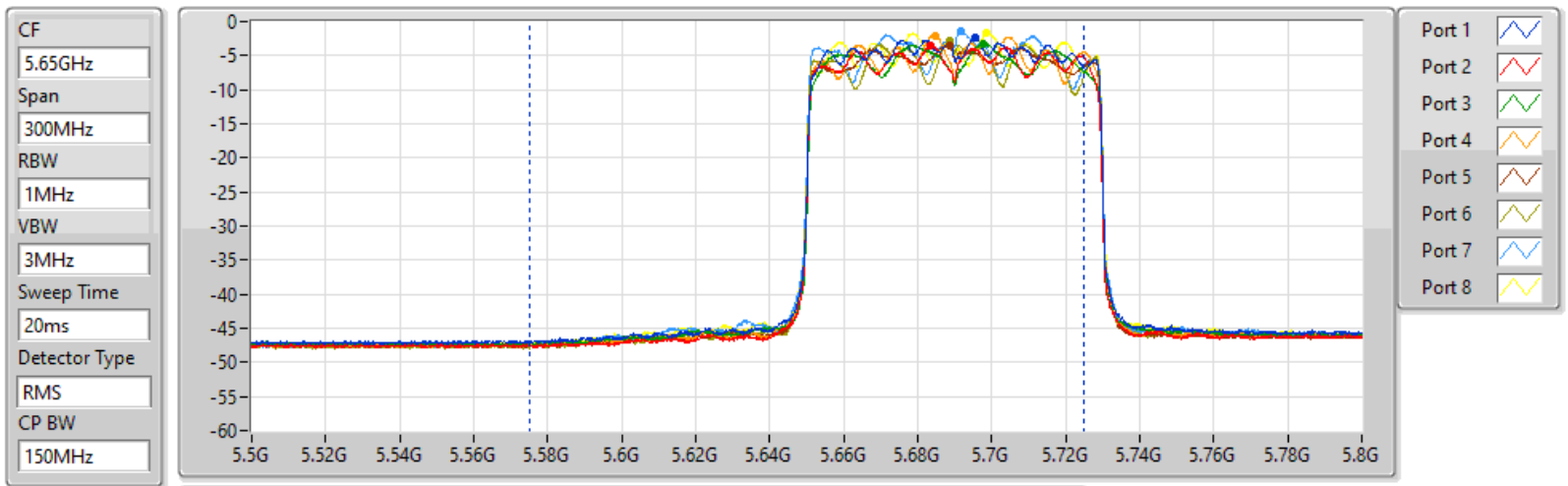
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
12.41	3.36	2.10	1.82	4.03	3.13	3.60	4.41	3.91

802.11ax HEW80-BF_Nss1,(MCS0)_8TX **AV Power**

5690MHz Straddle 5.47-5.725GHz_TnomVnom

28/03/2022



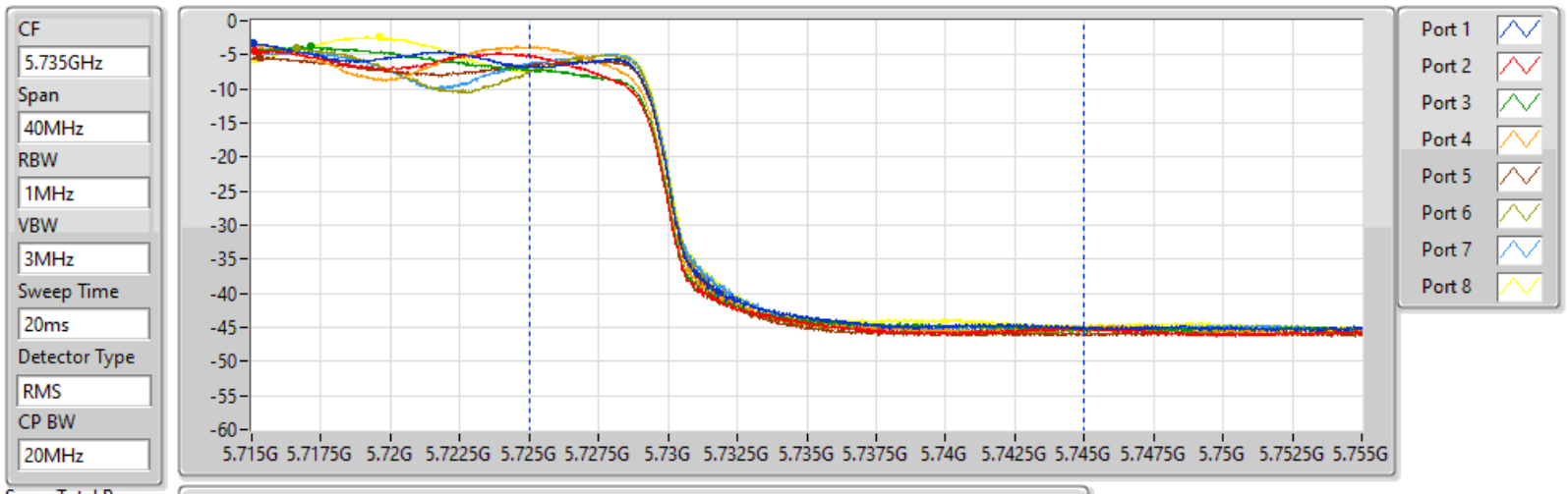
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
22.49	13.99	12.81	12.98	13.40	12.91	13.00	14.20	14.13

802.11ax HEW80-BF_Nss1,(MCS0)_8TX **AV Power**

5690MHz Straddle 5.725-5.85GHz_TnomVnom

28/03/2022



Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)	P5(dBm)	P6(dBm)	P7(dBm)	P8(dBm)
8.75	-0.30	-1.32	-2.21	0.37	-0.32	0.17	0.47	0.21

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	20.85	0.12162	26.02	0.39994
5.25-5.35GHz	-	-	-	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	20.61	0.11508	26.60	0.45709
5.47-5.725GHz	-	-	-	-
802.11ax HEW80+80_Nss2,(MCS0)_8TX	22.24	0.16749	26.62	0.45920

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW80+80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	5.17	15.46	14.54	14.48	14.75					20.85	30.00	26.02	36.00
5210MHz,#5290MHz	Pass	5.99	-	-	-	-	14.05	14.98	14.59	14.68	20.61	23.98	26.60	30.00
802.11ax HEW80+80_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	4.38	13.53	13.97	13.49	14.05	12.64	12.36	12.31	12.93	22.24	23.98	26.62	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	20.85	0.12162
5.25-5.35GHz	-	-
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	20.61	0.11508
5.47-5.725GHz	-	-
802.11ax HEW80+80-BF_Nss2,(MCS0)_8TX	22.24	0.16749

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Port 5 (dBm)	Port 6 (dBm)	Port 7 (dBm)	Port 8 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	8.39	15.46	14.54	14.48	14.75					20.85	27.61
802.11ax HEW80+80-BF_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5210MHz,#5290MHz	Pass	8.65	-	-	-	-	14.05	14.98	14.59	14.68	20.61	21.33
802.11ax HEW80+80-BF_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	7.37	13.53	13.97	13.49	14.05	12.64	12.36	12.31	12.93	22.24	22.61

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.79	0.11995
802.11ax HEW20_Nss1,(MCS0)_4TX	22.45	0.17579
802.11ax HEW40_Nss1,(MCS0)_4TX	23.70	0.23442
802.11ax HEW80_Nss1,(MCS0)_4TX	20.82	0.12078

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.68	14.95	14.70	14.83	14.43	20.75	23.83
5300MHz	Pass	3.68	15.17	14.39	14.93	14.52	20.78	23.81
5320MHz	Pass	3.68	15.01	14.54	14.71	14.79	20.79	23.95
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	3.68	16.77	16.34	16.56	16.03	22.45	23.98
5300MHz	Pass	3.68	16.26	15.75	15.92	15.48	21.88	23.98
5320MHz	Pass	3.68	15.96	15.82	15.89	15.74	21.87	23.98
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	3.68	18.02	17.46	17.78	17.41	23.70	23.98
5310MHz	Pass	3.68	15.43	14.48	15.05	14.79	20.97	23.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	3.68	15.08	14.64	14.88	14.57	20.82	23.98

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.45	0.17579
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.15	0.16406
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.82	0.12078

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.38	16.77	16.34	16.56	16.03	22.45	22.60
5300MHz	Pass	7.38	16.26	15.75	15.92	15.48	21.88	22.60
5320MHz	Pass	7.38	15.96	15.82	15.89	15.74	21.87	22.60
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.38	16.52	15.87	15.95	16.15	22.15	22.60
5310MHz	Pass	7.38	15.43	14.48	15.05	14.79	20.97	22.60
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.38	15.08	14.64	14.88	14.57	20.82	22.60

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

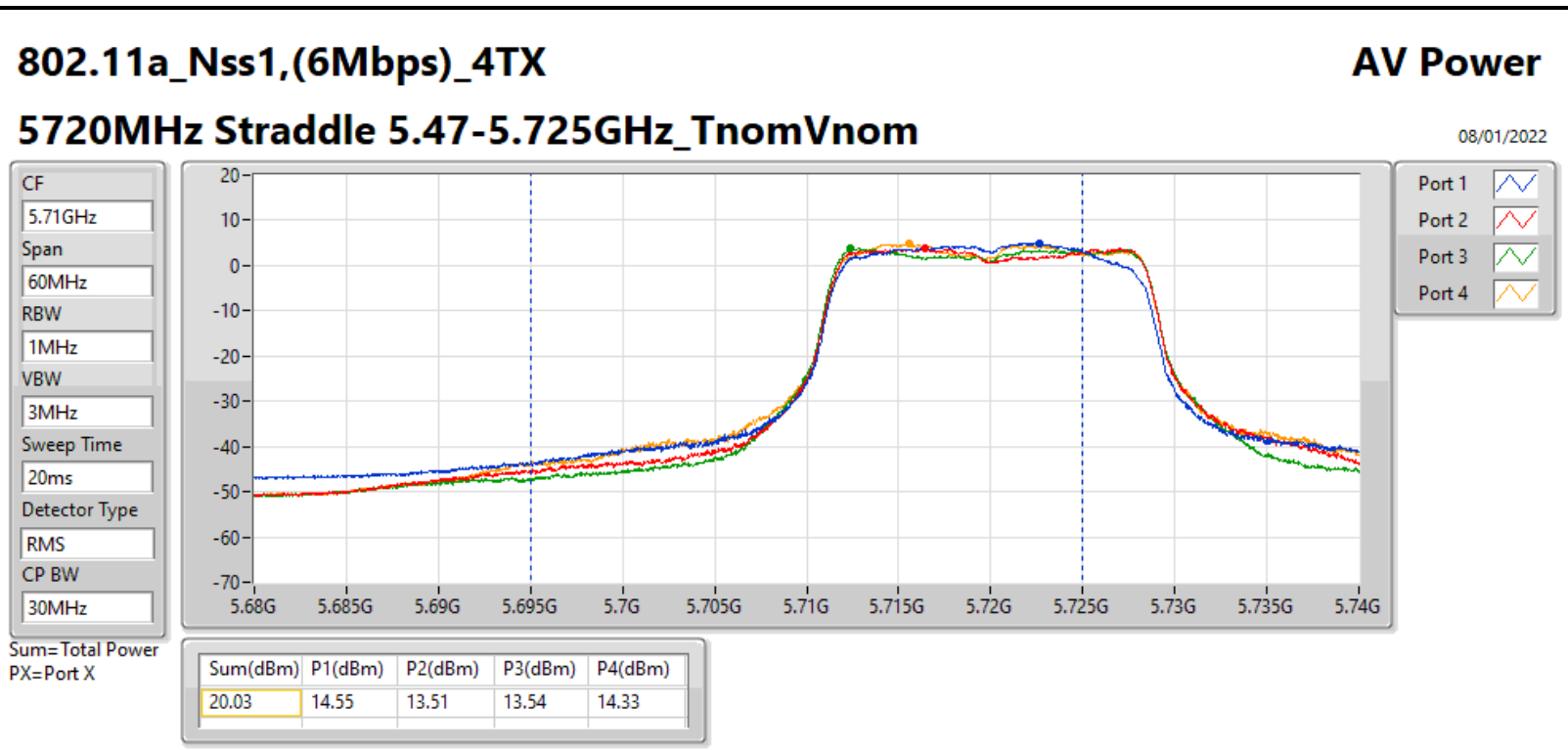
Summary

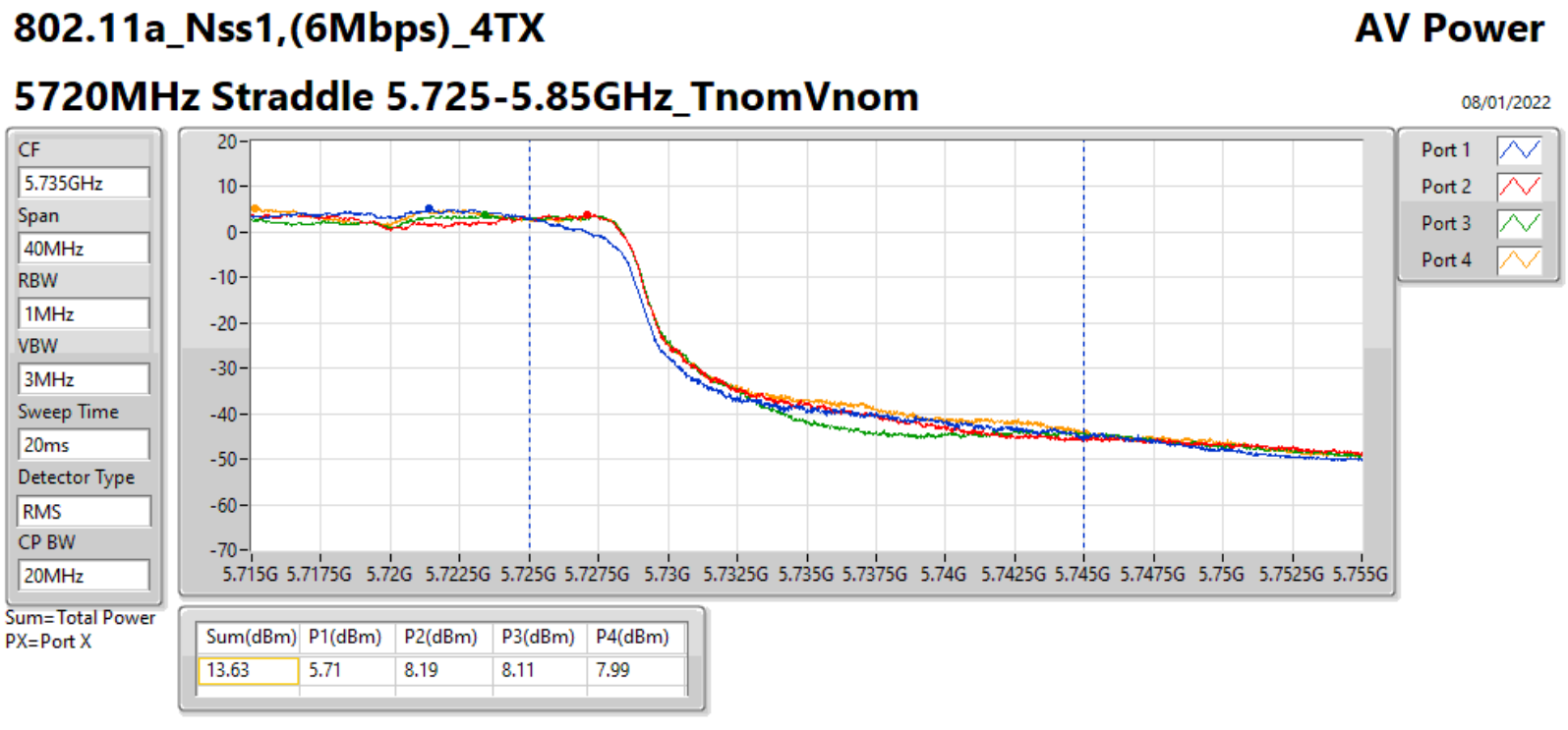
Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	20.03	0.10069
802.11ax HEW20_Nss1,(MCS0)_4TX	19.87	0.09705
802.11ax HEW40_Nss1,(MCS0)_4TX	23.19	0.20845
802.11ax HEW80_Nss1,(MCS0)_4TX	22.74	0.18793
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	13.63	0.02307
802.11ax HEW20_Nss1,(MCS0)_4TX	15.13	0.03258
802.11ax HEW40_Nss1,(MCS0)_4TX	13.47	0.02223
802.11ax HEW80_Nss1,(MCS0)_4TX	9.18	0.00828

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	4.38	14.51	13.64	13.83	13.98	20.02	23.85
5580MHz	Pass	4.38	13.35	13.01	12.94	13.09	19.12	23.74
5700MHz	Pass	4.38	13.52	13.61	13.27	13.43	19.48	23.76
5720MHz Straddle 5.47-5.725GHz	Pass	4.38	14.55	13.51	13.54	14.33	20.03	22.57
5720MHz Straddle 5.725-5.85GHz	Pass	3.60	5.71	8.19	8.11	7.99	13.63	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	4.38	14.38	13.41	13.68	13.86	19.87	23.98
5580MHz	Pass	4.38	13.86	13.53	13.42	13.58	19.62	23.98
5700MHz	Pass	4.38	12.34	12.14	11.52	12.07	18.05	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.38	14.05	13.31	13.38	14.25	19.79	22.91
5720MHz Straddle 5.725-5.85GHz	Pass	3.60	9.32	9.77	8.95	8.28	15.13	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	4.38	12.56	12.93	12.22	12.80	18.66	23.98
5550MHz	Pass	4.38	16.94	16.97	16.52	16.91	22.86	23.98
5670MHz	Pass	4.38	14.08	13.23	13.87	13.81	19.78	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.38	17.35	16.45	17.12	17.68	23.19	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.60	8.25	5.62	7.34	8.10	13.47	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	4.38	12.54	12.58	12.07	11.97	18.32	23.98
5610MHz	Pass	4.38	14.20	14.04	13.33	13.47	19.80	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.38	16.97	16.03	16.85	16.95	22.74	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.60	3.73	1.13	3.47	3.79	9.18	30.00

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

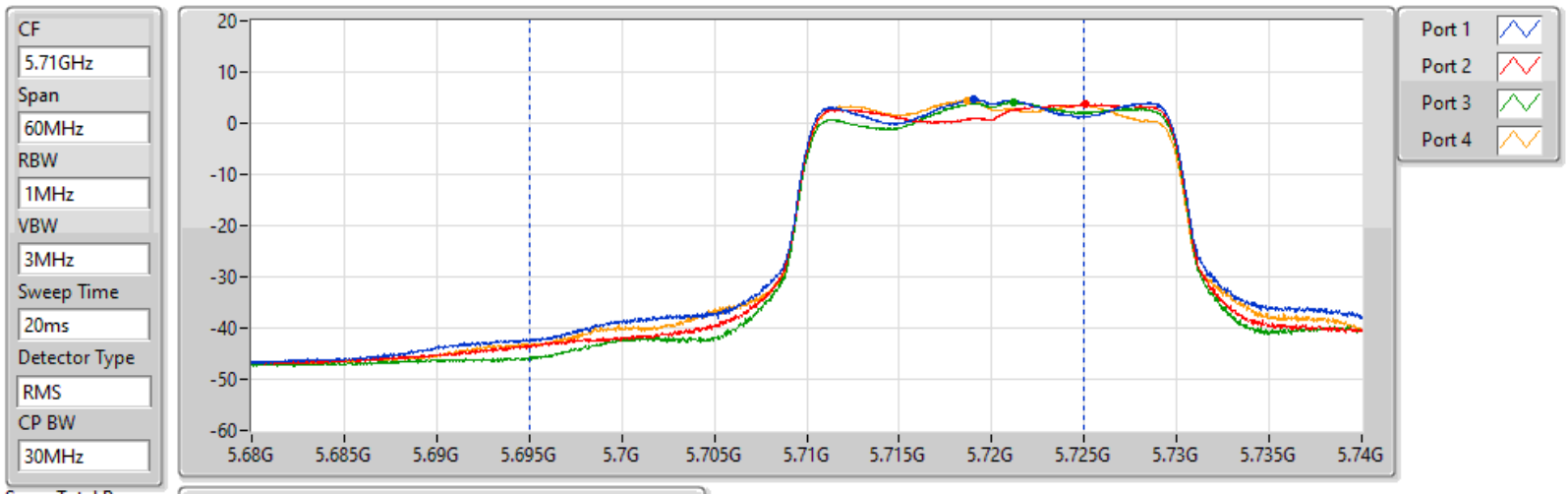

802.11a_Nss1,(6Mbps)_4TX
AV Power
5720MHz Straddle 5.47-5.725GHz_TnomVnom
08/01/2022
CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
30MHz
Sum=Total Power
PX=Port X
20
10
0
-10
-20
-30
-40
-50
-60
-70
5.68G 5.685G 5.69G 5.695G 5.7G 5.705G 5.71G 5.715G 5.72G 5.725G 5.73G 5.735G 5.74G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
20.03 14.55 13.51 13.54 14.33


802.11a_Nss1,(6Mbps)_4TX
AV Power
5720MHz Straddle 5.725-5.85GHz_TnomVnom
08/01/2022
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz
Sum=Total Power
PX=Port X
20
10
0
-10
-20
-30
-40
-50
-60
-70
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
13.63 5.71 8.19 8.11 7.99

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022



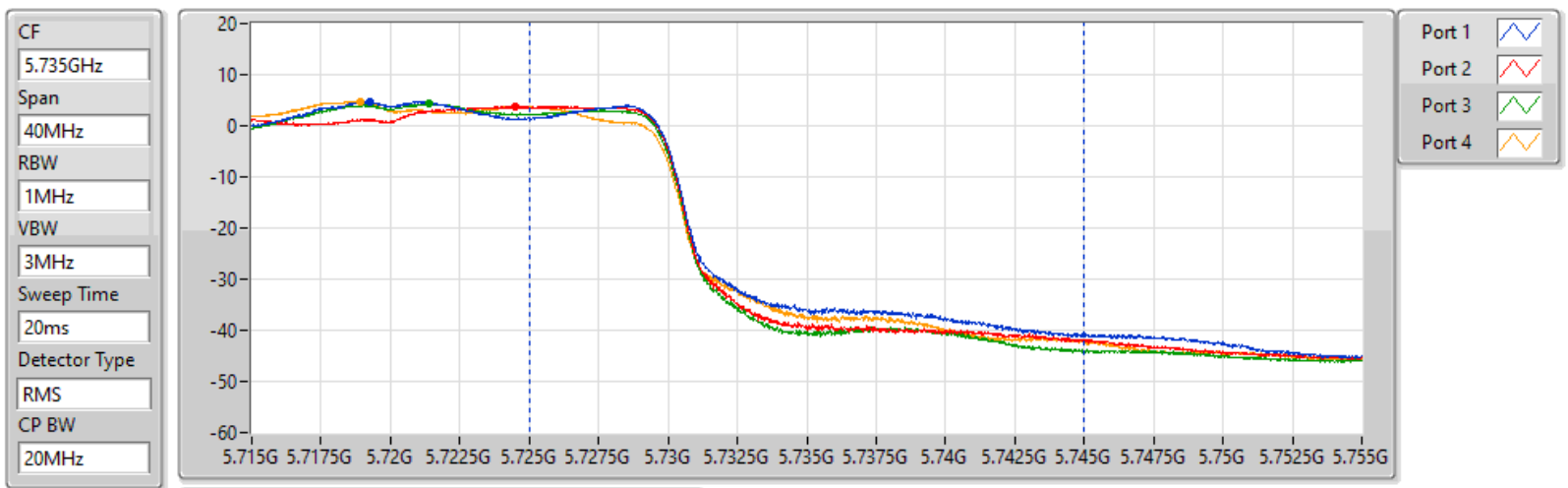
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.79	14.05	13.31	13.38	14.25

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022



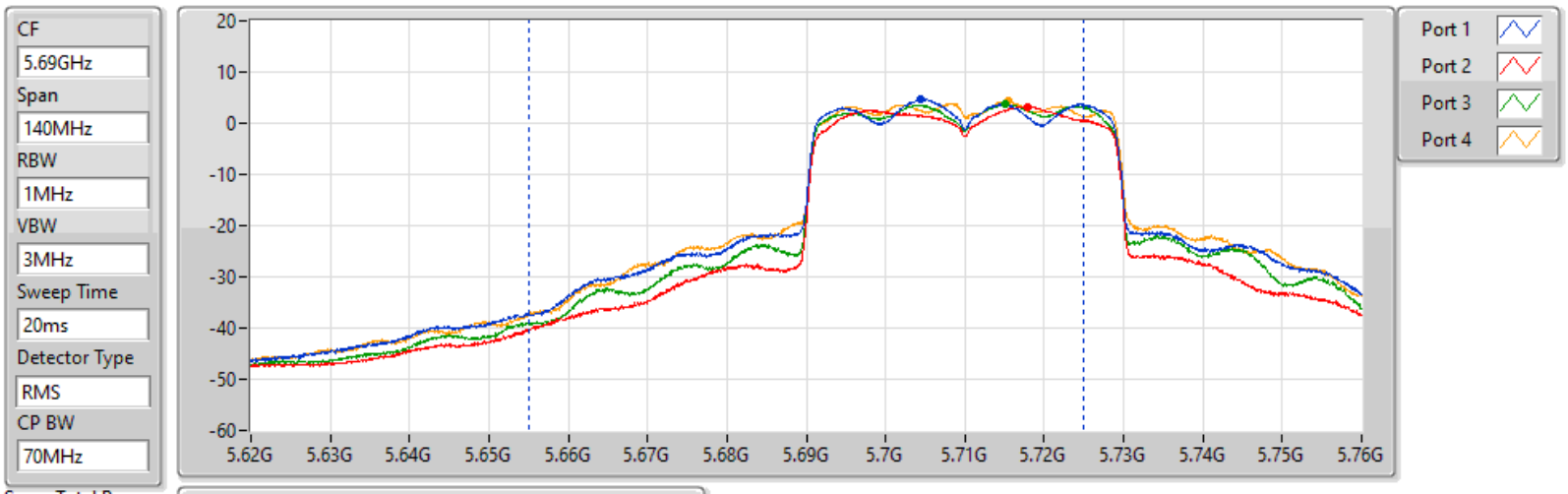
Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.13	9.32	9.77	8.95	8.28

802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022

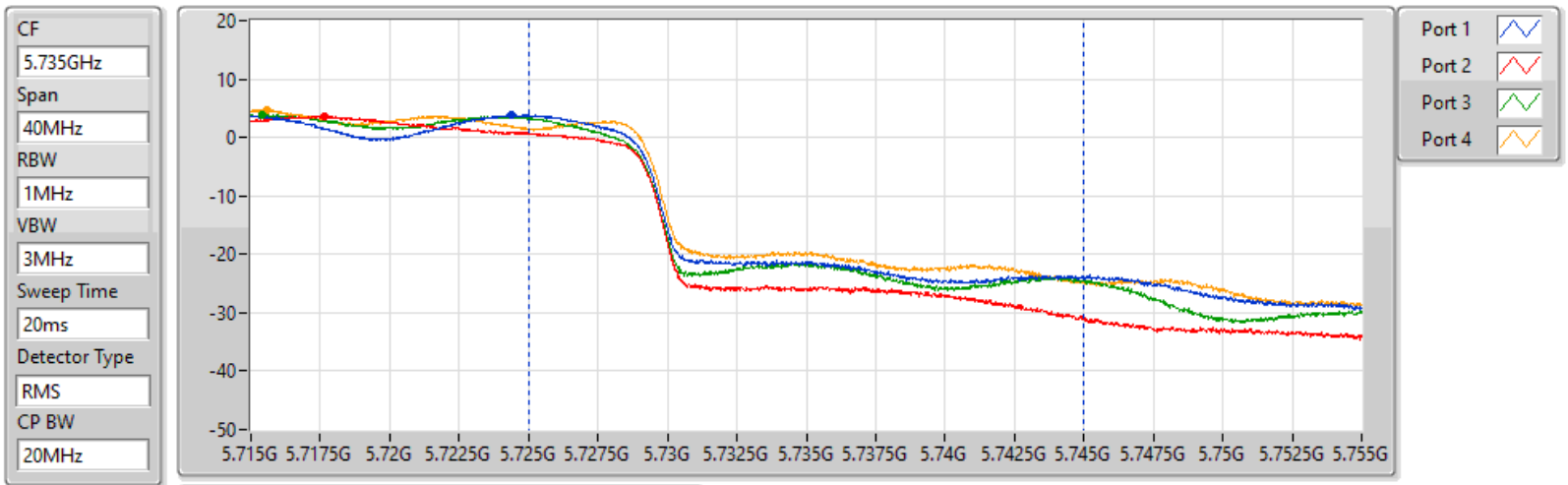


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.19	17.35	16.45	17.12	17.68

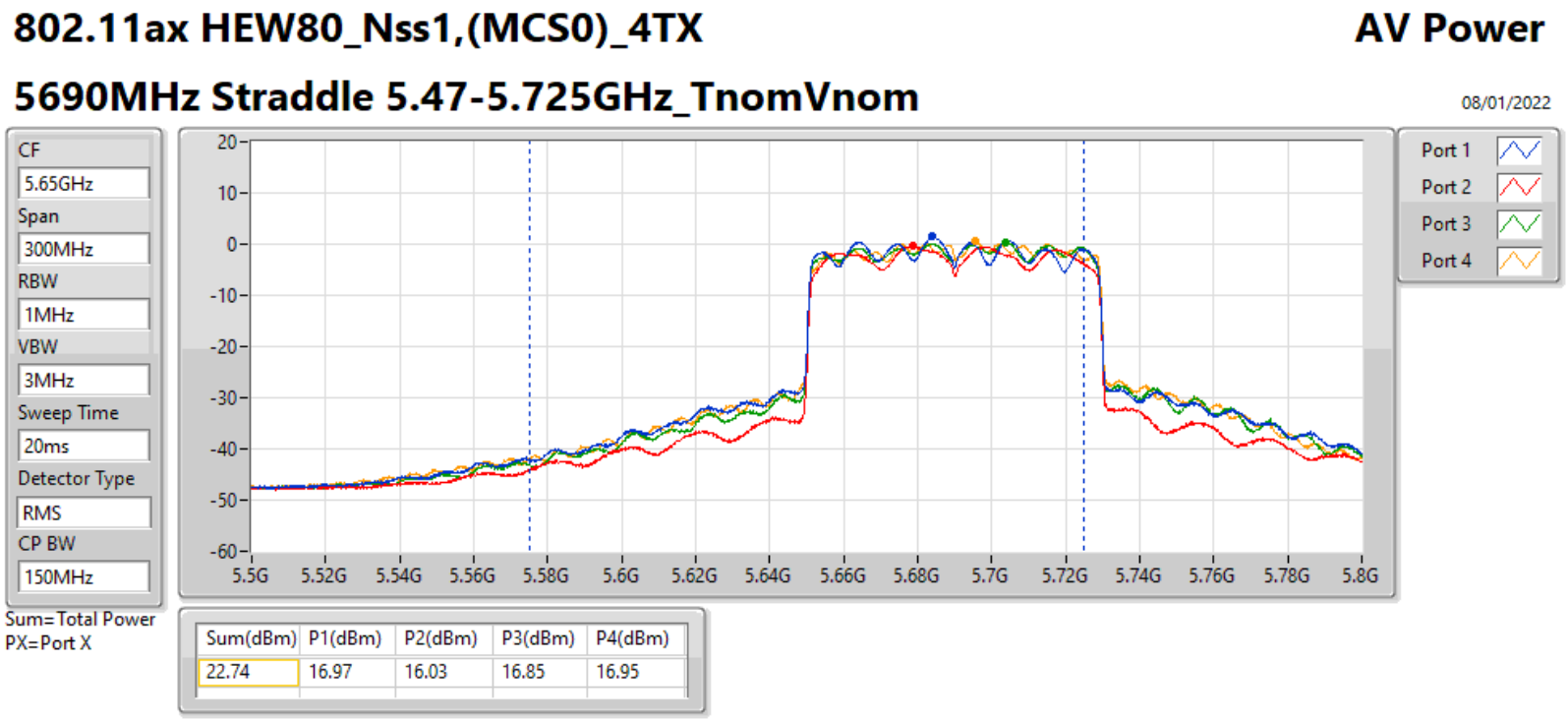
802.11ax HEW40_Nss1,(MCS0)_4TX **AV Power**

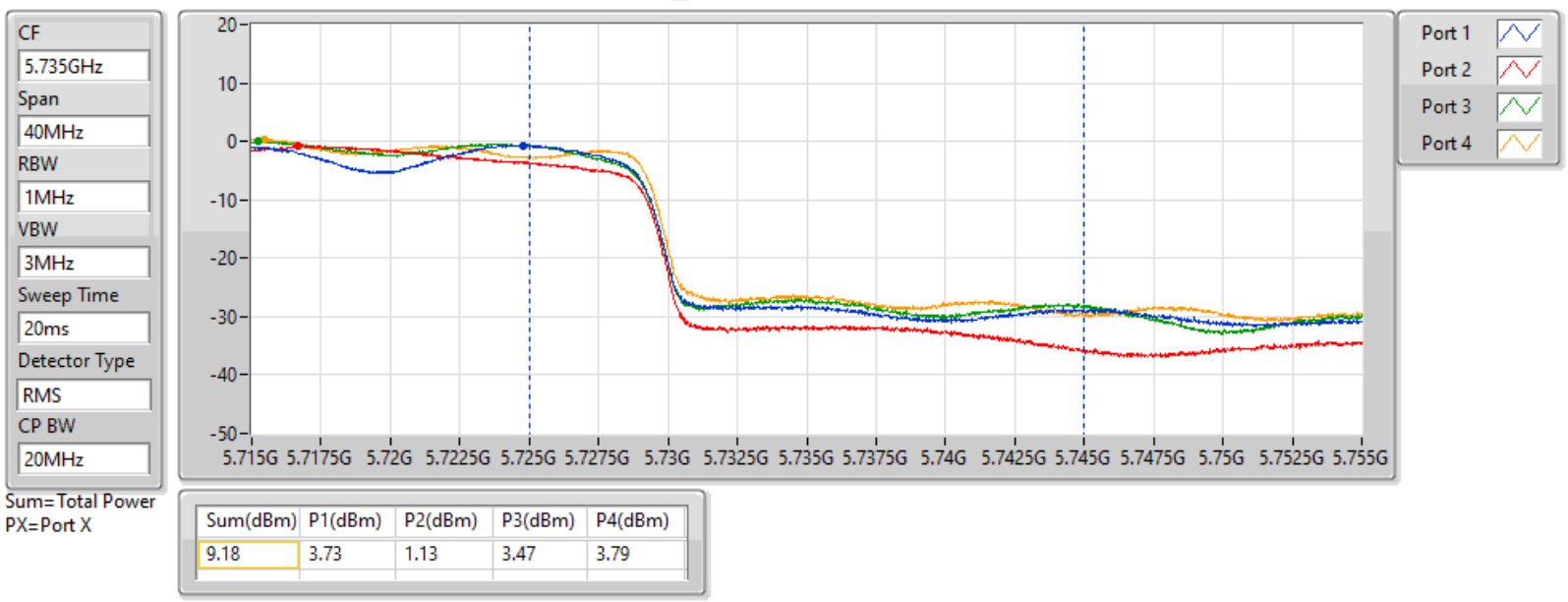
5710MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.47	8.25	5.62	7.34	8.10


802.11ax HEW80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz_TnomVnom
08/01/2022
CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz
Sum=Total Power
PX=Port X
20
10
0
-10
-20
-30
-40
-50
-60
5.5G 5.52G 5.54G 5.56G 5.58G 5.6G 5.62G 5.64G 5.66G 5.68G 5.7G 5.72G 5.74G 5.76G 5.78G 5.8G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
22.74 16.97 16.03 16.85 16.95


802.11ax HEW80_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz_TnomVnom
08/01/2022
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz
Sum=Total Power
PX=Port X
20
10
0
-10
-20
-30
-40
-50
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
9.18 3.73 1.13 3.47 3.79

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.27	0.13397	29.94	0.98628
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	21.29	0.13459	29.96	0.99083
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.74	0.11858	29.41	0.87297
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.13	0.03258	23.28	0.21281
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.42	0.01387	19.57	0.09057
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	6.35	0.00432	14.50	0.02818

Result

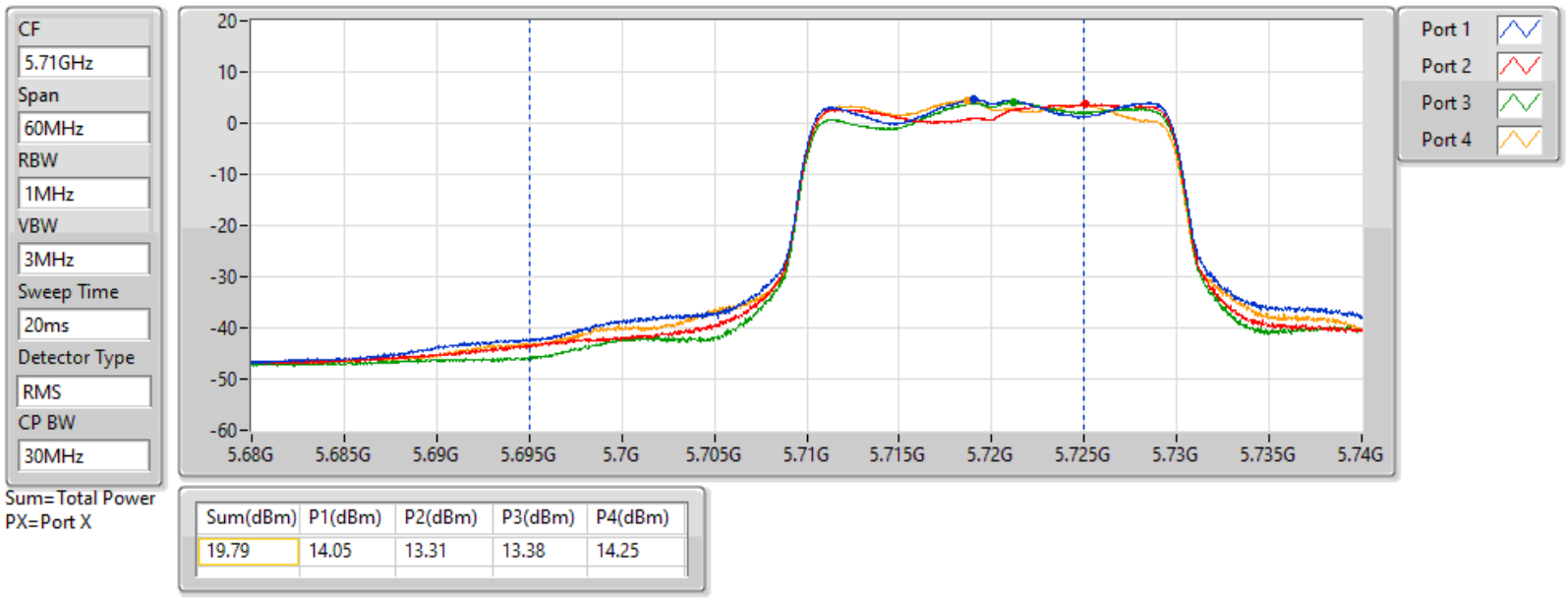
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	8.67	14.38	13.41	13.68	13.86	19.87	21.31	28.54	30.00
5580MHz	Pass	8.67	15.36	14.59	15.37	15.62	21.27	21.31	29.94	30.00
5700MHz	Pass	8.67	12.34	12.14	11.52	12.07	18.05	21.31	26.72	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	8.67	14.05	13.31	13.38	14.25	19.79	20.24	28.46	28.91
5720MHz Straddle 5.725-5.85GHz	Pass	8.15	9.32	9.77	8.95	8.28	15.13	27.85	23.28	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	8.67	12.56	12.93	12.22	12.8	18.66	21.31	27.33	30.00
5550MHz	Pass	8.67	15.16	15.31	15.12	15.49	21.29	21.31	29.96	30.00
5670MHz	Pass	8.67	14.08	13.23	13.87	13.81	19.78	21.31	28.45	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	8.67	15.21	14.78	15.20	15.53	21.21	21.31	29.88	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	8.15	6.08	3.95	5.37	5.88	11.42	27.85	19.57	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	8.67	12.54	12.58	12.07	11.97	18.32	21.31	26.99	30.00
5610MHz	Pass	8.67	14.2	14.04	13.33	13.47	19.80	21.31	28.47	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	8.67	14.97	13.81	14.88	15.10	20.74	21.31	29.41	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	8.15	1.16	0.47	-0.66	0.15	6.35	27.85	14.50	36.00

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

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

08/01/2022

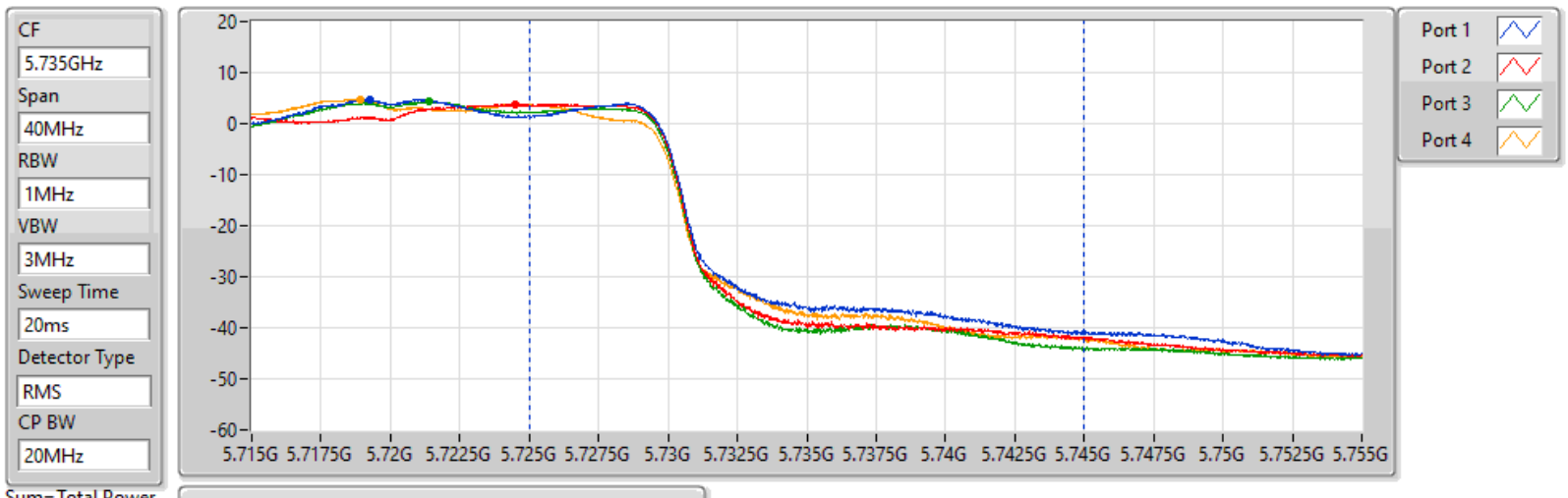


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.79	14.05	13.31	13.38	14.25

802.11ax HEW20_Nss1,(MCS0)_4TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

08/01/2022

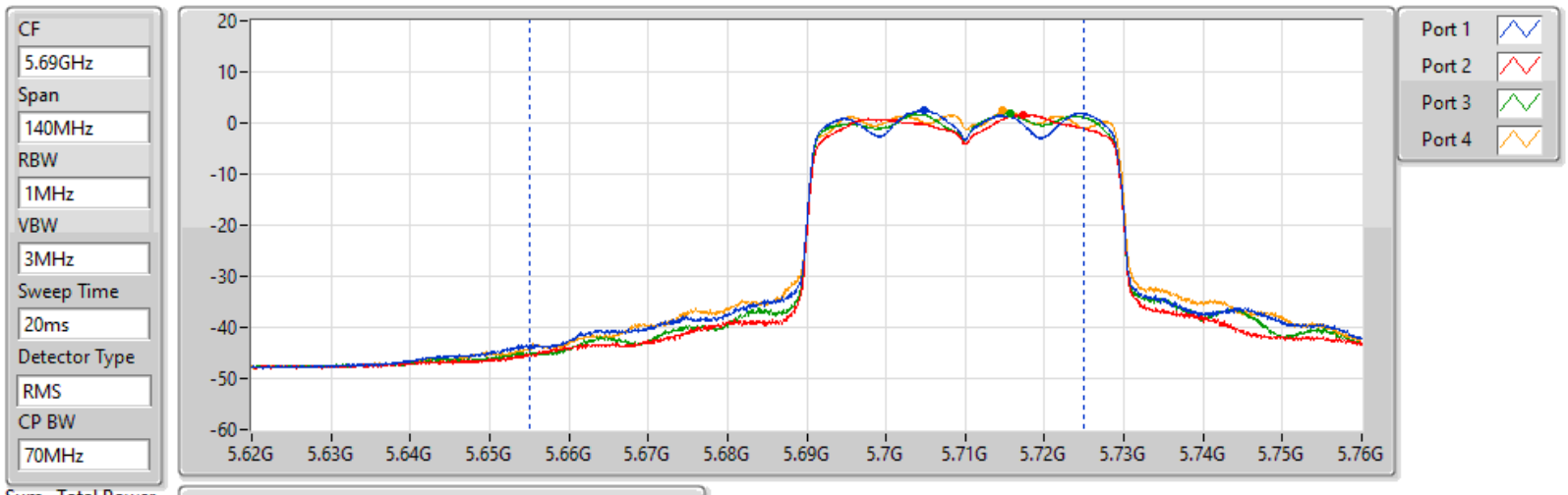


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
15.13	9.32	9.77	8.95	8.28

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

5710MHz Straddle 5.47-5.725GHz_TnomVnom

11/01/2022

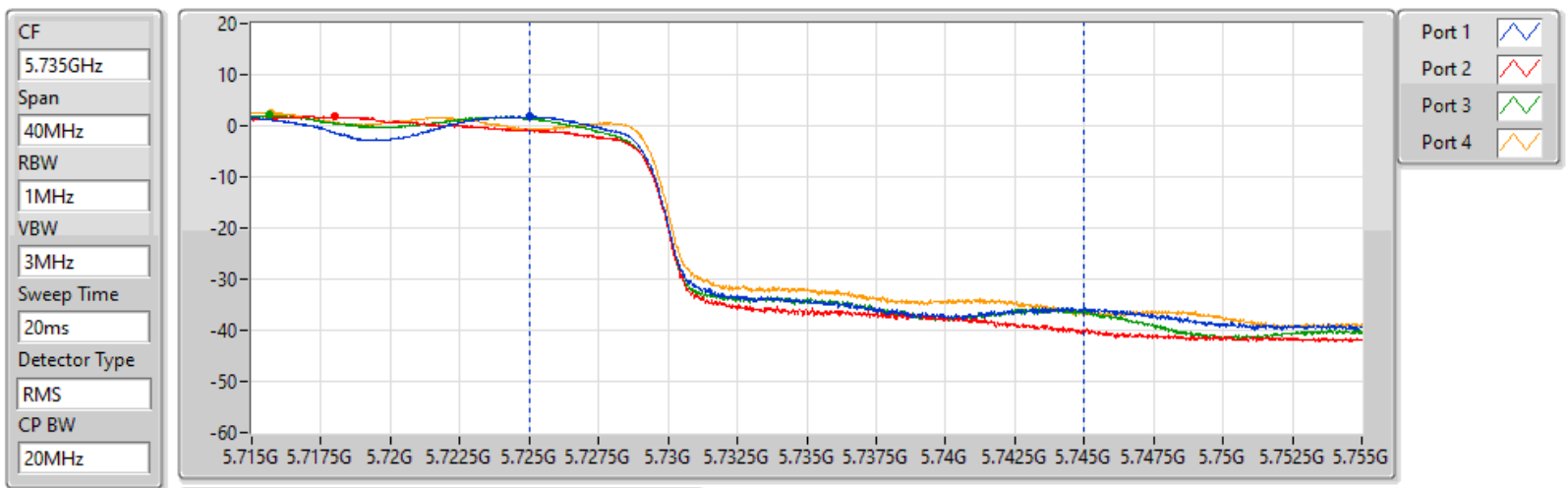


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
21.21	15.21	14.78	15.20	15.53

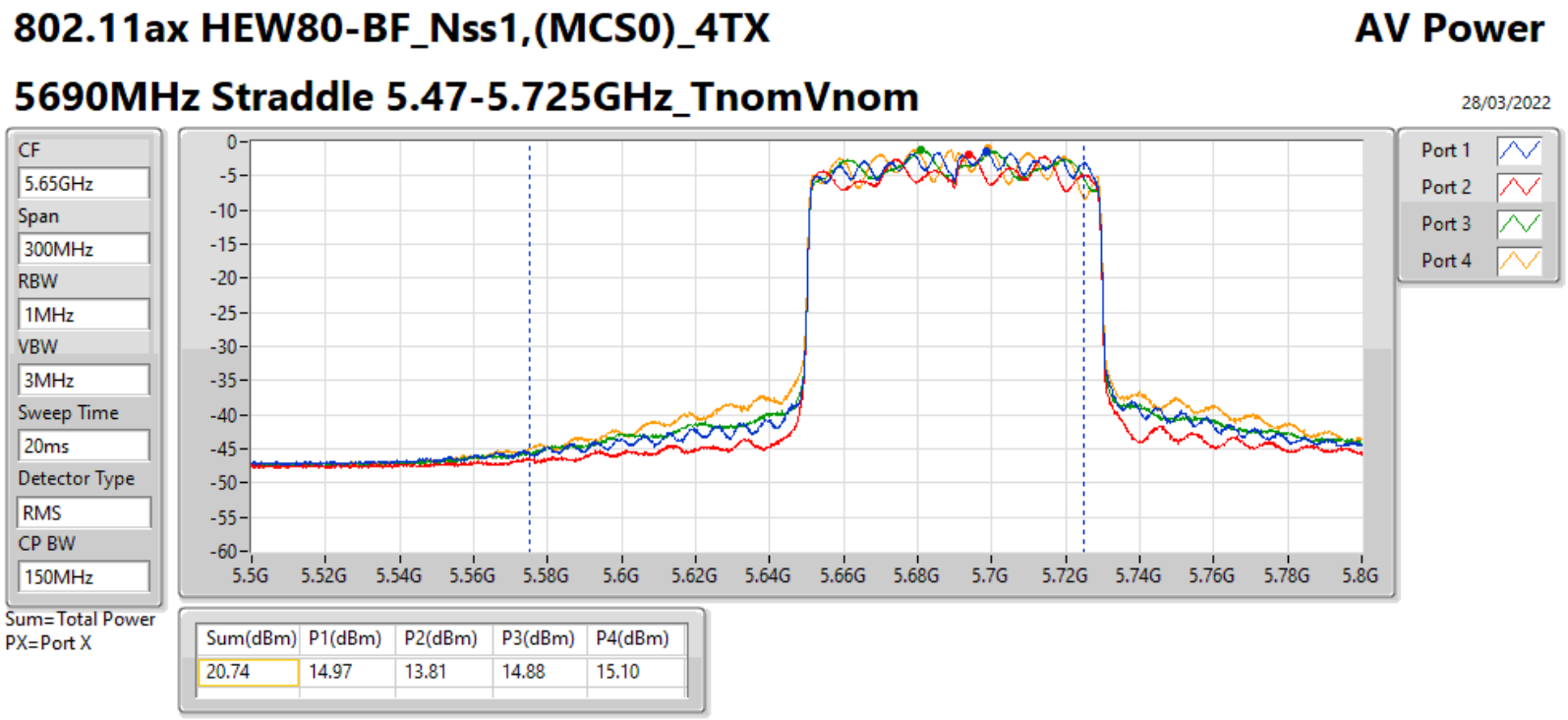
802.11ax HEW40-BF_Nss1,(MCS0)_4TX **AV Power**

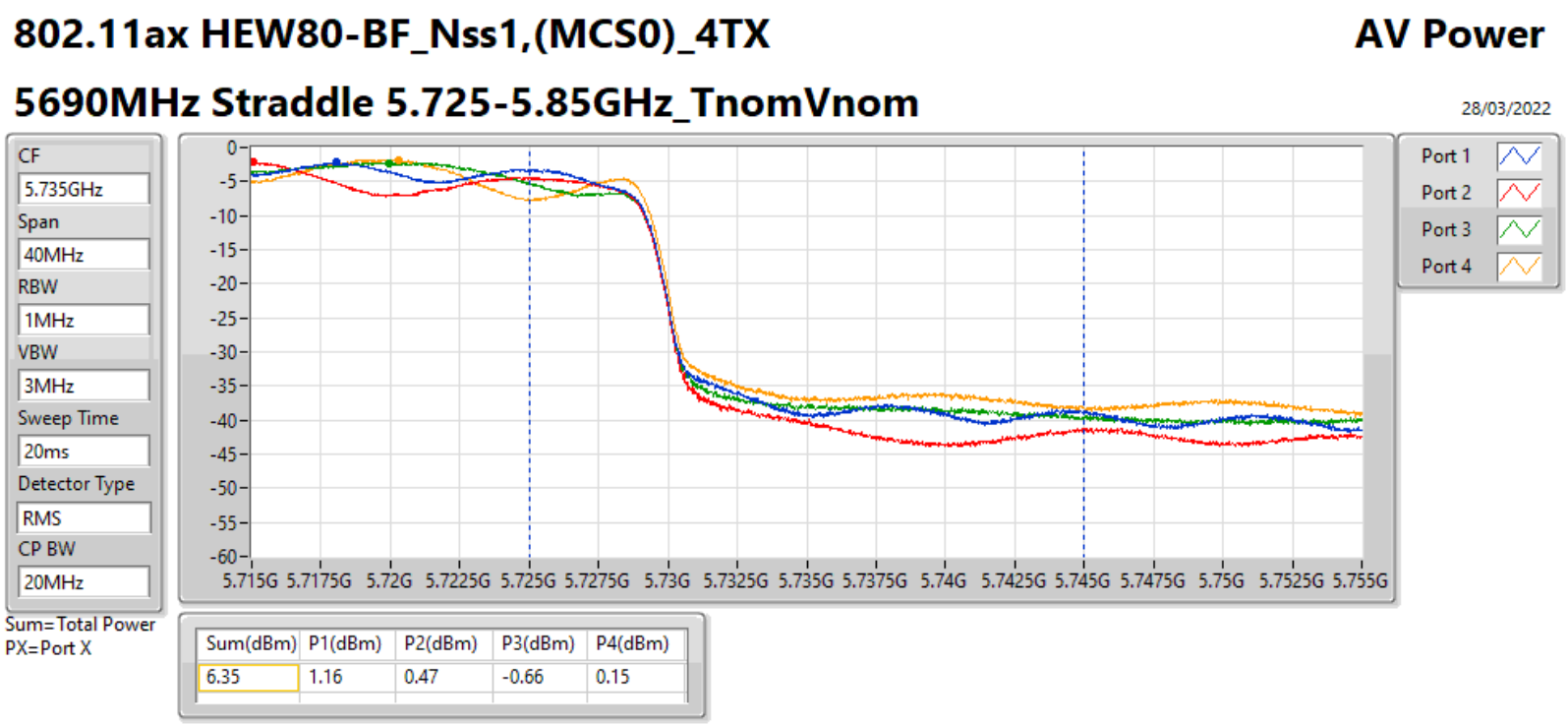
5710MHz Straddle 5.725-5.85GHz_TnomVnom

11/01/2022



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
11.42	6.08	3.95	5.37	5.88


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.47-5.725GHz_TnomVnom
28/03/2022
CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
150MHz
Sum=Total Power
PX=Port X
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
5.5G 5.52G 5.54G 5.56G 5.58G 5.6G 5.62G 5.64G 5.66G 5.68G 5.7G 5.72G 5.74G 5.76G 5.78G 5.8G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
20.74 14.97 13.81 14.88 15.10


802.11ax HEW80-BF_Nss1,(MCS0)_4TX
AV Power
5690MHz Straddle 5.725-5.85GHz_TnomVnom
28/03/2022
CF
5.735GHz
Span
40MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz
Sum=Total Power
PX=Port X
0
-5
-10
-15
-20
-25
-30
-35
-40
-45
-50
-55
-60
5.715G 5.7175G 5.72G 5.7225G 5.725G 5.7275G 5.73G 5.7325G 5.735G 5.7375G 5.74G 5.7425G 5.745G 5.7475G 5.75G 5.7525G 5.755G
Port 1
Port 2
Port 3
Port 4
Sum(dBm) P1(dBm) P2(dBm) P3(dBm) P4(dBm)
6.35 1.16 0.47 -0.66 0.15

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	19.95	0.09886
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	21.87	0.15382
802.11ax HEW20_Nss1,(MCS0)_4TX	22.74	0.18793
802.11ax HEW40_Nss1,(MCS0)_4TX	23.60	0.22909
802.11ax HEW80_Nss1,(MCS0)_4TX	21.76	0.14997
802.11ax HEW160_Nss1,(MCS0)_4TX	20.13	0.10304
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.20	0.20893
802.11ax HEW20_Nss1,(MCS0)_4TX	23.60	0.22909
802.11ax HEW40_Nss1,(MCS0)_4TX	23.93	0.24717
802.11ax HEW80_Nss1,(MCS0)_4TX	23.88	0.24434
802.11ax HEW160_Nss1,(MCS0)_4TX	23.65	0.23174
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	17.03	0.05047
802.11ax HEW20_Nss1,(MCS0)_4TX	18.15	0.06531
802.11ax HEW40_Nss1,(MCS0)_4TX	13.87	0.02438
802.11ax HEW80_Nss1,(MCS0)_4TX	10.05	0.01012

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.37	16.01	15.04	15.34	14.97	21.38	23.98
5300MHz	Pass	4.37	15.99	15.46	16.03	15.39	21.75	23.98
5320MHz	Pass	4.37	16.51	15.52	15.79	15.48	21.87	23.98
5500MHz	Pass	3.82	17.28	16.94	17.38	16.97	23.17	23.98
5580MHz	Pass	3.82	17.18	16.98	17.42	17.12	23.20	23.98
5700MHz	Pass	3.82	17.17	16.88	17.45	17.15	23.19	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.82	16.18	16.07	16.51	16.16	22.25	22.81
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	11.09	10.75	11.28	10.90	17.03	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	4.37	17.07	16.52	16.75	16.51	22.74	23.98
5300MHz	Pass	4.37	16.80	16.56	16.66	16.32	22.61	23.98
5320MHz	Pass	4.37	17.19	16.68	16.42	16.35	22.69	23.98
5500MHz	Pass	3.82	17.78	17.54	17.71	17.24	23.59	23.98
5580MHz	Pass	3.82	17.78	17.46	17.69	17.39	23.60	23.98
5700MHz	Pass	3.82	17.52	17.36	17.81	17.42	23.55	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.82	16.92	16.73	17.02	16.63	22.85	23.03
5720MHz Straddle 5.725-5.85GHz	Pass	4.70	11.83	12.23	12.44	11.99	18.15	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	4.37	17.46	17.26	17.84	17.73	23.60	23.98
5310MHz	Pass	4.37	17.34	16.82	17.31	17.23	23.20	23.98
5510MHz	Pass	3.82	17.55	17.36	17.93	17.51	23.61	23.98
5550MHz	Pass	3.82	17.62	17.33	17.87	17.58	23.62	23.98
5670MHz	Pass	3.82	17.71	17.48	17.76	17.89	23.73	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.82	17.86	17.56	18.36	17.80	23.93	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.70	7.99	7.27	8.51	7.53	13.87	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	4.37	15.77	15.37	15.93	15.86	21.76	23.98
5530MHz	Pass	3.82	17.13	16.91	17.38	17.08	23.15	23.98
5610MHz	Pass	3.82	17.71	17.43	17.82	17.69	23.69	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.82	17.89	17.56	18.12	17.83	23.88	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.70	4.17	3.52	4.66	3.69	10.05	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.27	13.77	13.58	14.09	14.23	19.95	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.37	14.01	13.95	14.34	14.11	20.13	23.98
5570MHz	Pass	3.82	17.56	17.41	17.85	17.69	23.65	23.98

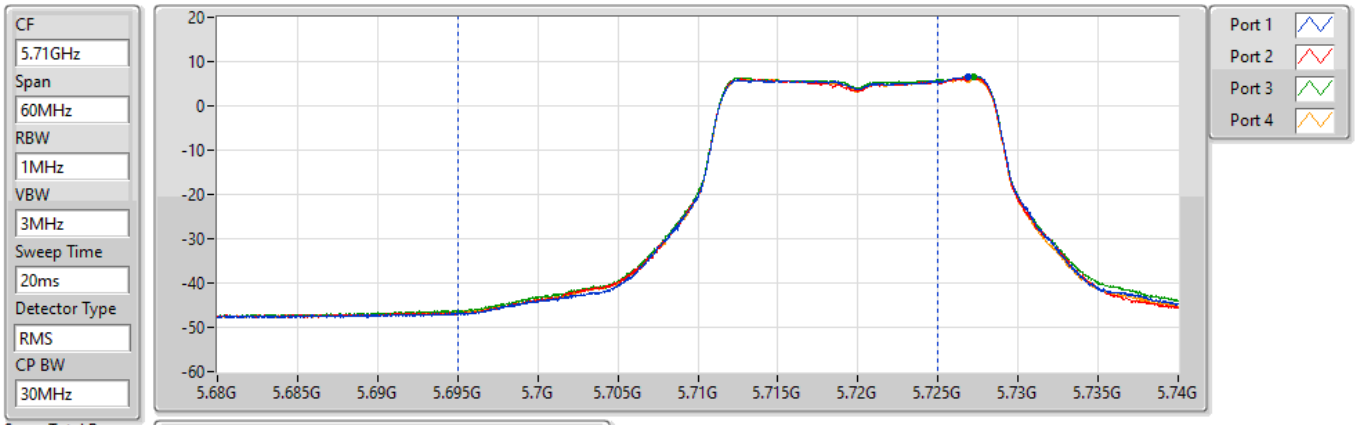
DG = Directional Gain; Port X = Port X output power

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

12/01/2022



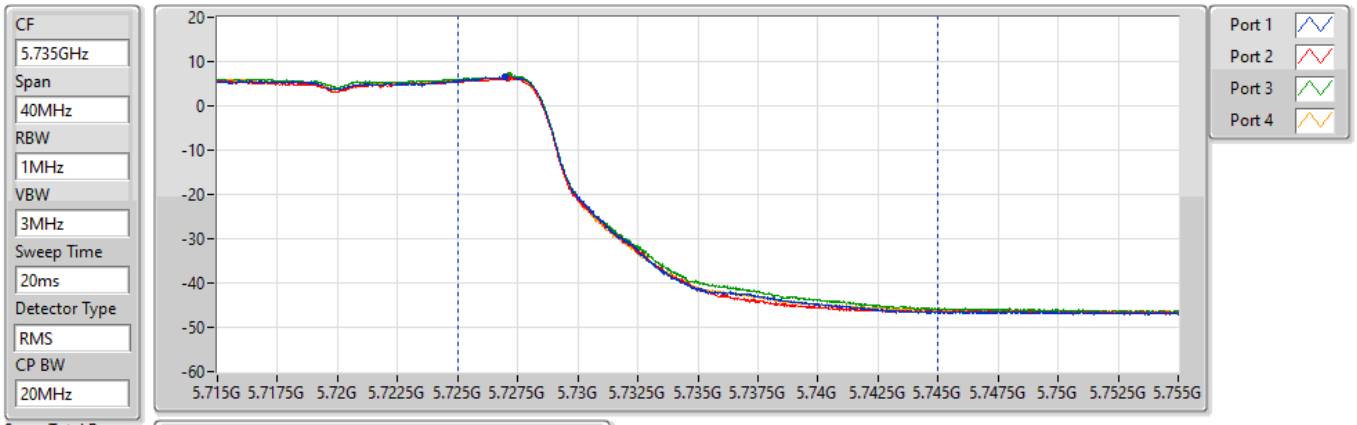
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.25	16.18	16.07	16.51	16.16

802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

12/01/2022

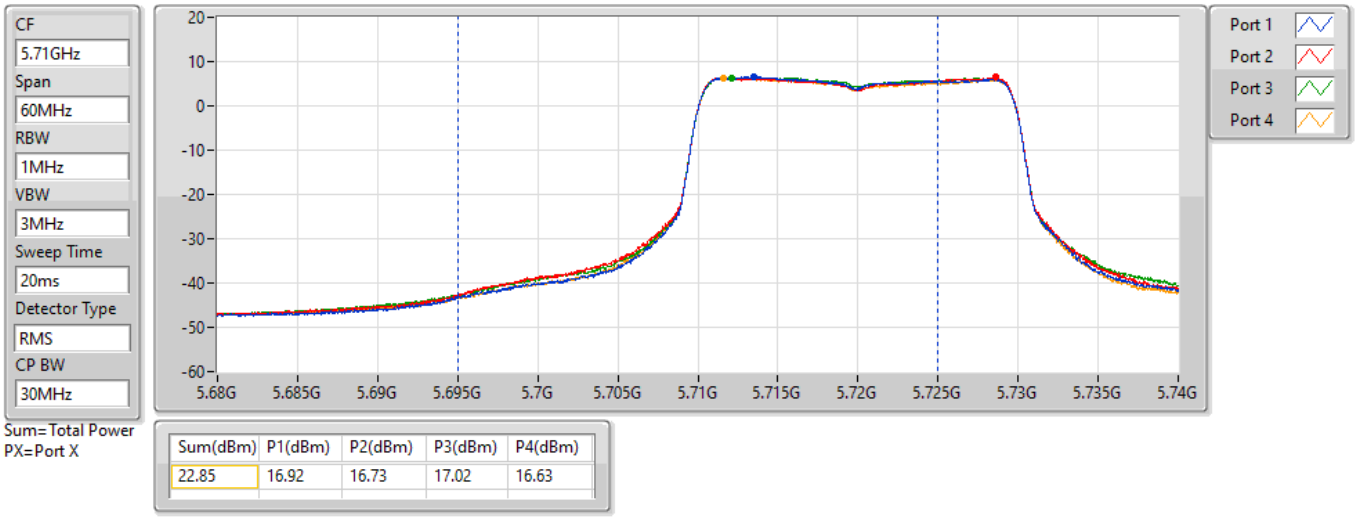


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.03	11.09	10.75	11.28	10.90

802.11ax HEW20_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.47-5.725GHz_TnomVnom

12/01/2022

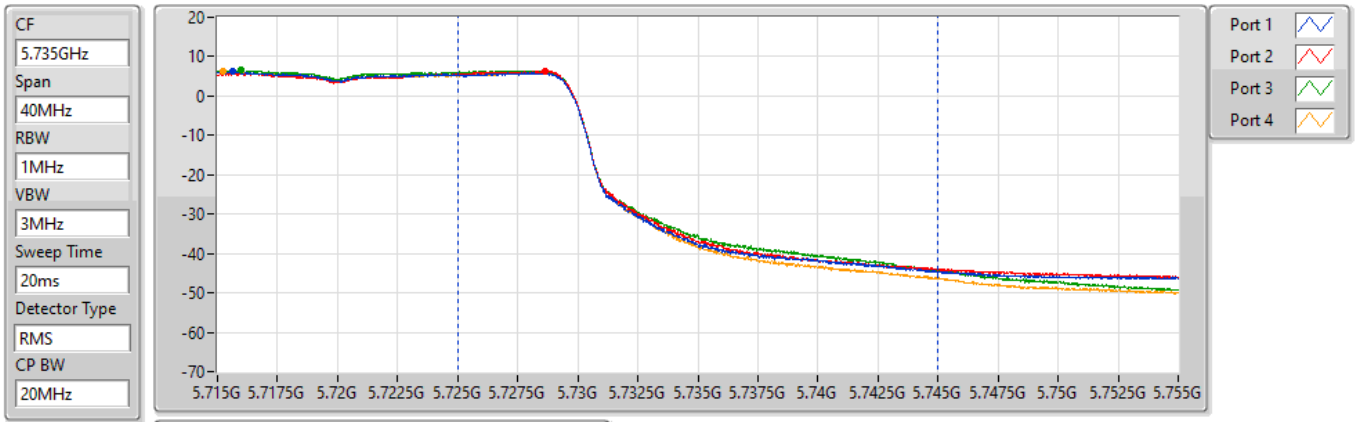


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.85	16.92	16.73	17.02	16.63

802.11ax HEW20_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.725-5.85GHz_TnomVnom

12/01/2022

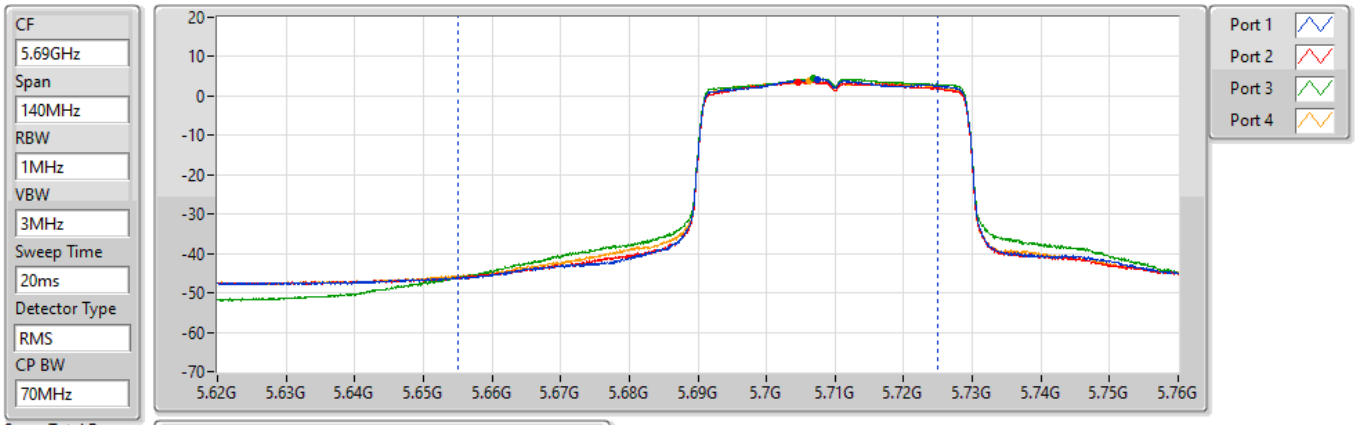


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.15	11.83	12.23	12.44	11.99

802.11ax HEW40_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.47-5.725GHz_TnomVnom

12/01/2022

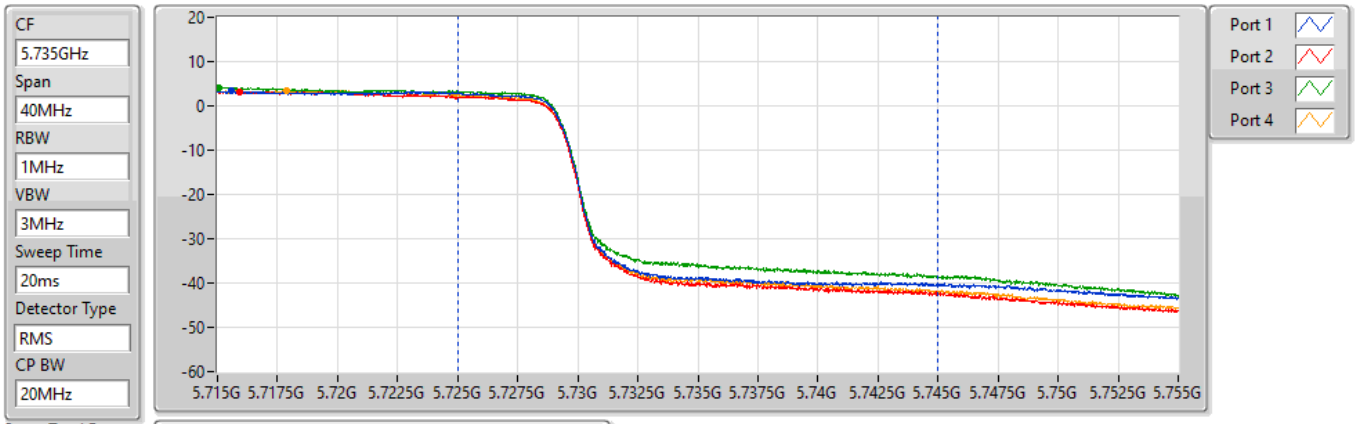


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.93	17.86	17.56	18.36	17.80

802.11ax HEW40_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.725-5.85GHz_TnomVnom

12/01/2022

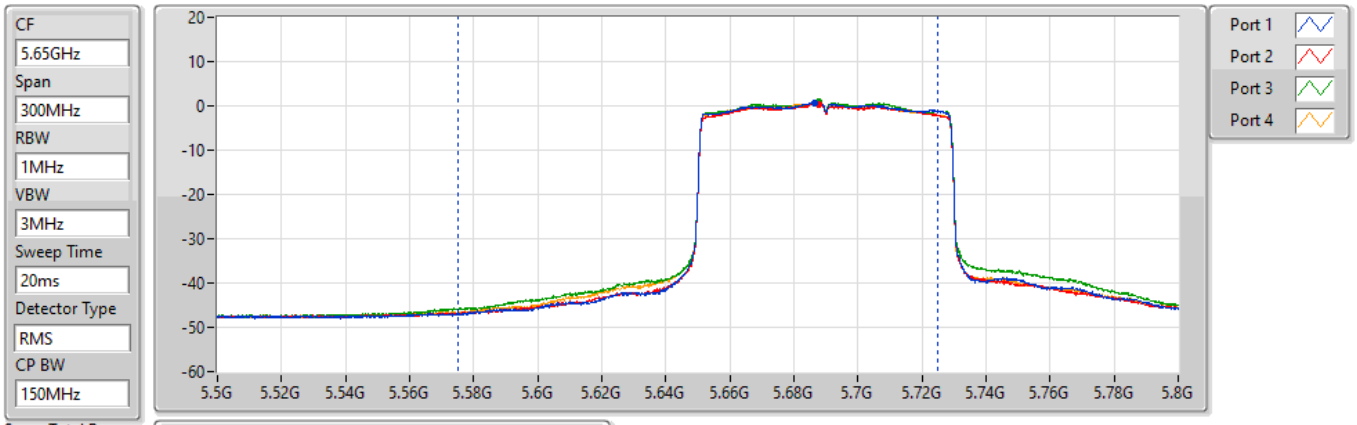


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
13.87	7.99	7.27	8.51	7.53

802.11ax HEW80_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.47-5.725GHz_TnomVnom

12/01/2022

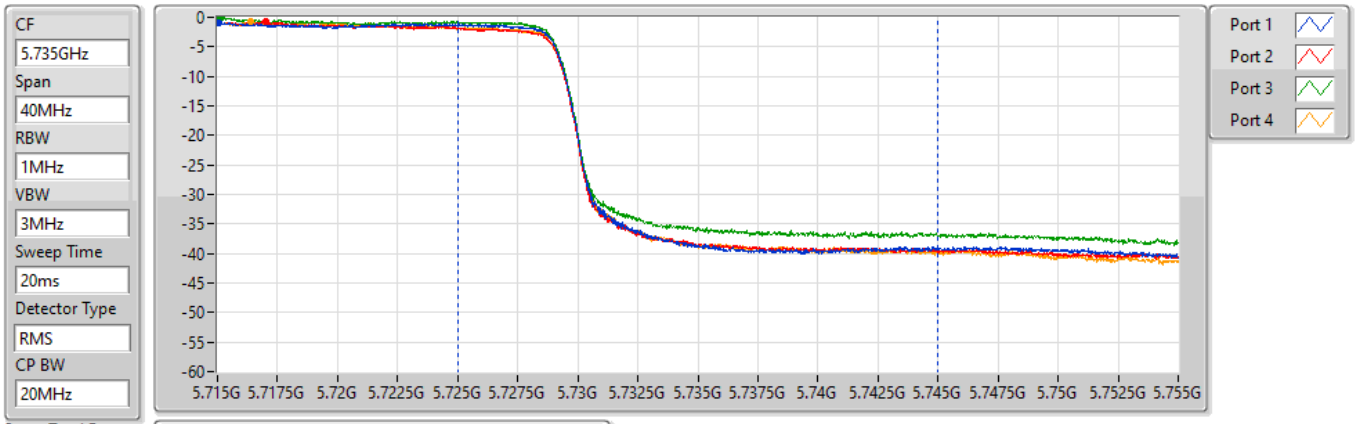


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.88	17.89	17.56	18.12	17.83

802.11ax HEW80_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.725-5.85GHz_TnomVnom

12/01/2022

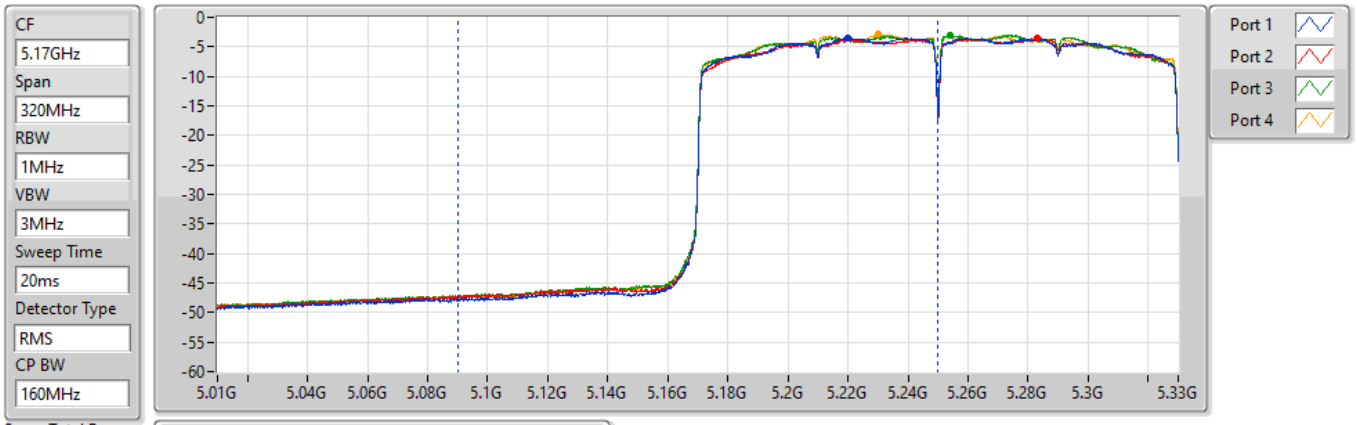


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.05	4.17	3.52	4.66	3.69

802.11ax HEW160_Nss1,(MCS0)_4TX AV Power

5250MHz Straddle 5.15-5.25GHz_TnomVnom

12/01/2022

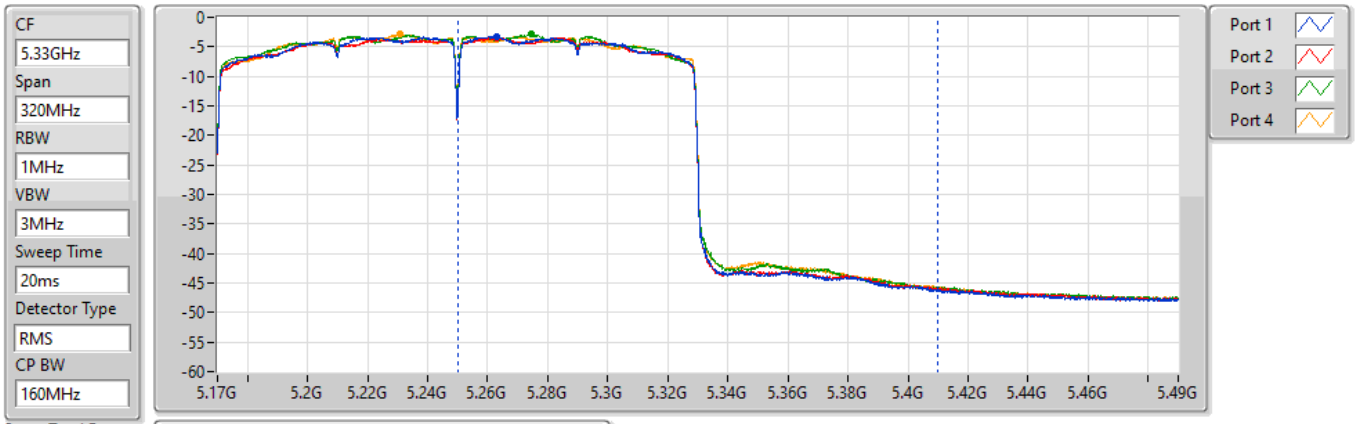


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.95	13.77	13.58	14.09	14.23

802.11ax HEW160_Nss1,(MCS0)_4TX AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom

12/01/2022



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.13	14.01	13.95	14.34	14.11

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.95	0.09886	26.79	0.47753
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.48	0.17701	29.86	0.96828
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	22.15	0.16406	29.53	0.89743
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.76	0.14997	29.14	0.82035
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.13	0.10304	27.51	0.56364
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.60	0.22909	28.72	0.74473
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.93	0.24717	29.05	0.80353
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.88	0.24434	29.00	0.79433
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.65	0.23174	28.77	0.75336
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.15	0.06531	23.85	0.24266
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.87	0.02438	19.57	0.09057
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	10.05	0.01012	15.75	0.03758

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	7.38	16.48	15.66	16.56	15.92	22.19	22.60	29.57	30.00
5300MHz	Pass	7.38	16.66	16.38	16.64	16.13	22.48	22.60	29.86	30.00
5320MHz	Pass	7.38	16.40	16.00	16.11	15.85	22.12	22.60	29.50	30.00
5500MHz	Pass	5.12	17.78	17.54	17.71	17.24	23.59	23.98	28.71	30.00
5580MHz	Pass	5.12	17.78	17.46	17.69	17.39	23.60	23.98	28.72	30.00
5700MHz	Pass	5.12	17.52	17.36	17.81	17.42	23.55	23.98	28.67	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.12	16.92	16.73	17.02	16.63	22.85	23.03	27.97	29.03
5720MHz Straddle 5.725-5.85GHz	Pass	5.70	11.83	12.23	12.44	11.99	18.15	30.00	23.85	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	7.38	16.64	15.62	16.38	15.81	22.15	22.60	29.53	30.00
5310MHz	Pass	7.38	16.35	15.94	16.32	15.66	22.10	22.60	29.48	30.00
5510MHz	Pass	5.12	17.55	17.36	17.93	17.51	23.61	23.98	28.73	30.00
5550MHz	Pass	5.12	17.62	17.33	17.87	17.58	23.62	23.98	28.74	30.00
5670MHz	Pass	5.12	17.71	17.48	17.76	17.89	23.73	23.98	28.85	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.12	17.86	17.56	18.36	17.8	23.93	23.98	29.05	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.70	7.99	7.27	8.51	7.53	13.87	30.00	19.57	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	7.38	15.77	15.37	15.93	15.86	21.76	22.60	29.14	30.00
5530MHz	Pass	5.12	17.13	16.91	17.38	17.08	23.15	23.98	28.27	30.00
5610MHz	Pass	5.12	17.71	17.43	17.82	17.69	23.69	23.98	28.81	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.12	17.89	17.56	18.12	17.83	23.88	23.98	29.00	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.70	4.17	3.52	4.66	3.69	10.05	30.00	15.75	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.84	13.77	13.58	14.09	14.23	19.95	29.16	26.79	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	7.38	14.01	13.95	14.34	14.11	20.13	22.60	27.51	30.00
5570MHz	Pass	5.12	17.56	17.41	17.85	17.69	23.65	23.98	28.77	30.00

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

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_8TX	8.01
802.11ax HEW20_Nss1,(MCS0)_8TX	8.02
802.11ax HEW40_Nss1,(MCS0)_8TX	7.46
802.11ax HEW80_Nss1,(MCS0)_8TX	4.08
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_8TX	9.57
802.11ax HEW20_Nss1,(MCS0)_8TX	9.41
802.11ax HEW40_Nss1,(MCS0)_8TX	8.22
802.11ax HEW80_Nss1,(MCS0)_8TX	5.28
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_8TX	7.12
802.11ax HEW20_Nss1,(MCS0)_8TX	7.40
802.11ax HEW40_Nss1,(MCS0)_8TX	5.26
802.11ax HEW80_Nss1,(MCS0)_8TX	1.54

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)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.65	-0.38	-1.11	-0.35	-0.06	-0.49	0.01	-0.37	-0.50	7.96	8.35
5300MHz	Pass	8.65	-0.04	-1.14	-0.29	0.13	-1.11	0.18	-0.19	-0.76	8.01	8.35
5320MHz	Pass	8.65	0.09	-0.34	-0.01	-0.11	-0.34	0.21	-0.20	-0.23	7.99	8.35
5500MHz	Pass	7.37	2.51	1.29	1.71	1.18	2.23	1.28	0.89	2.18	9.57	9.63
5580MHz	Pass	7.37	1.23	-0.39	1.35	2.00	0.90	0.59	2.16	2.06	9.37	9.63
5700MHz	Pass	7.37	2.89	1.06	0.58	1.61	1.55	1.42	1.05	1.00	9.41	9.63
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	2.32	1.21	0.11	1.57	2.21	2.41	0.92	0.45	9.52	9.63
5720MHz Straddle 5.725-5.85GHz	Pass	7.13	-0.57	-0.31	-1.78	0.27	-4.15	-1.13	-2.34	-2.47	7.12	28.87
802.11ax HEW20_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5260MHz	Pass	8.65	-1.24	-1.14	-0.63	0.20	-1.00	-0.49	-0.49	-0.81	8.02	8.35
5300MHz	Pass	8.65	-0.60	-0.95	-0.90	0.33	-1.33	-1.30	-0.92	-1.33	7.64	8.35
5320MHz	Pass	8.65	-0.97	-0.55	-0.43	-0.42	-0.90	0.02	-0.84	-1.16	7.81	8.35
5500MHz	Pass	7.37	2.06	1.33	0.81	1.63	1.04	0.53	0.50	0.47	8.97	9.63
5580MHz	Pass	7.37	1.92	0.55	0.77	1.99	1.76	2.05	-0.17	0.32	9.34	9.63
5700MHz	Pass	7.37	1.68	0.80	1.40	0.79	0.81	0.53	0.62	-0.22	8.56	9.63
5720MHz Straddle 5.47-5.725GHz	Pass	7.37	2.06	1.26	0.91	1.44	1.28	1.14	1.51	-0.33	9.41	9.63
5720MHz Straddle 5.725-5.85GHz	Pass	7.13	0.48	-2.65	-0.68	-1.45	-0.16	-2.98	-1.51	-2.90	7.40	28.87
802.11ax HEW40_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5270MHz	Pass	8.65	-1.23	-1.08	-0.54	-0.42	-0.61	-1.08	-0.77	-0.81	7.46	8.35
5310MHz	Pass	8.65	-1.16	-1.46	-1.00	0.03	-0.74	-0.92	-0.58	-1.09	7.33	8.35
5510MHz	Pass	7.37	0.30	-0.32	-0.26	0.21	-0.18	-0.37	-1.49	-1.34	7.70	9.63
5550MHz	Pass	7.37	0.82	-0.81	-0.78	0.57	0.20	-0.01	-0.98	-0.74	7.80	9.63
5670MHz	Pass	7.37	0.13	-1.50	-0.70	-0.58	0.40	0.67	-0.60	-1.28	7.34	9.63
5710MHz Straddle 5.47-5.725GHz	Pass	7.37	0.84	-0.19	-0.45	0.29	1.23	1.87	0.07	-0.95	8.22	9.63
5710MHz Straddle 5.725-5.85GHz	Pass	7.13	-1.62	-4.93	-2.67	-3.34	-2.52	-2.44	-3.18	-3.84	5.26	28.87
802.11ax HEW80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
5290MHz	Pass	8.65	-4.24	-4.72	-4.20	-3.66	-3.91	-4.19	-4.31	-4.44	4.08	8.35
5530MHz	Pass	7.37	-2.76	-4.03	-3.70	-2.71	-3.14	-3.35	-4.56	-4.11	4.52	9.63
5610MHz	Pass	7.37	-2.15	-3.62	-3.17	-3.09	-1.97	-2.07	-3.50	-3.45	4.97	9.63
5690MHz Straddle 5.47-5.725GHz	Pass	7.37	-1.80	-3.46	-2.90	-2.74	-1.56	-1.33	-2.89	-3.38	5.28	9.63
5690MHz Straddle 5.725-5.85GHz	Pass	7.13	-5.43	-8.85	-6.12	-6.81	-6.24	-6.13	-6.60	-7.26	1.54	28.87

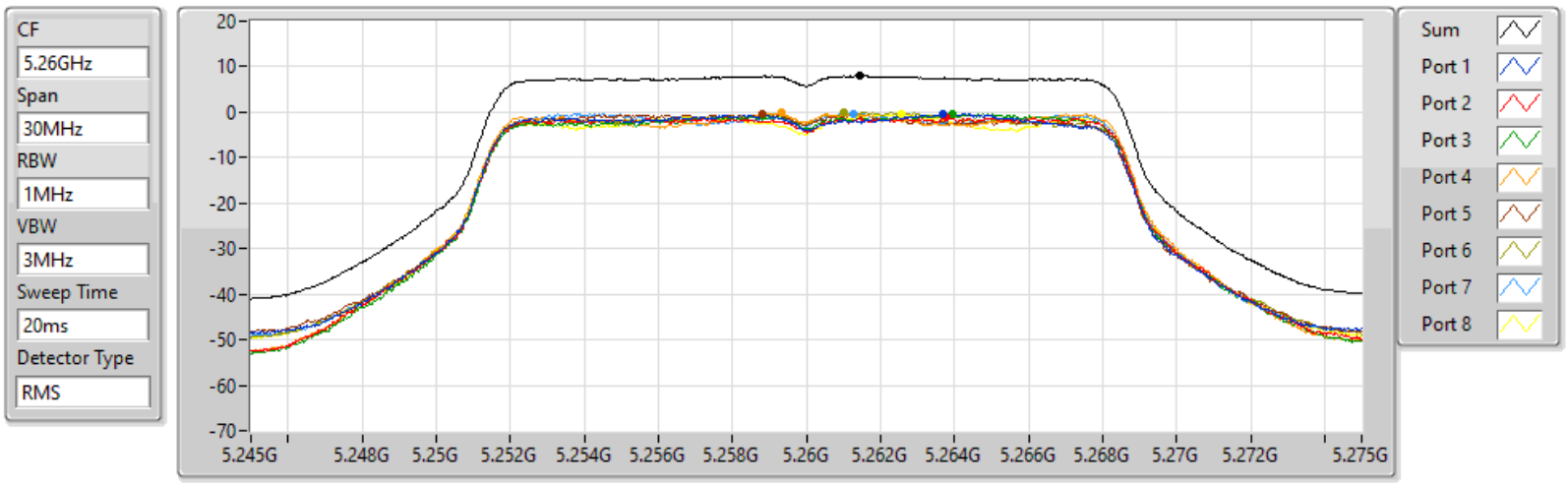
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_8TX

PSD

5260MHz

08/01/2022



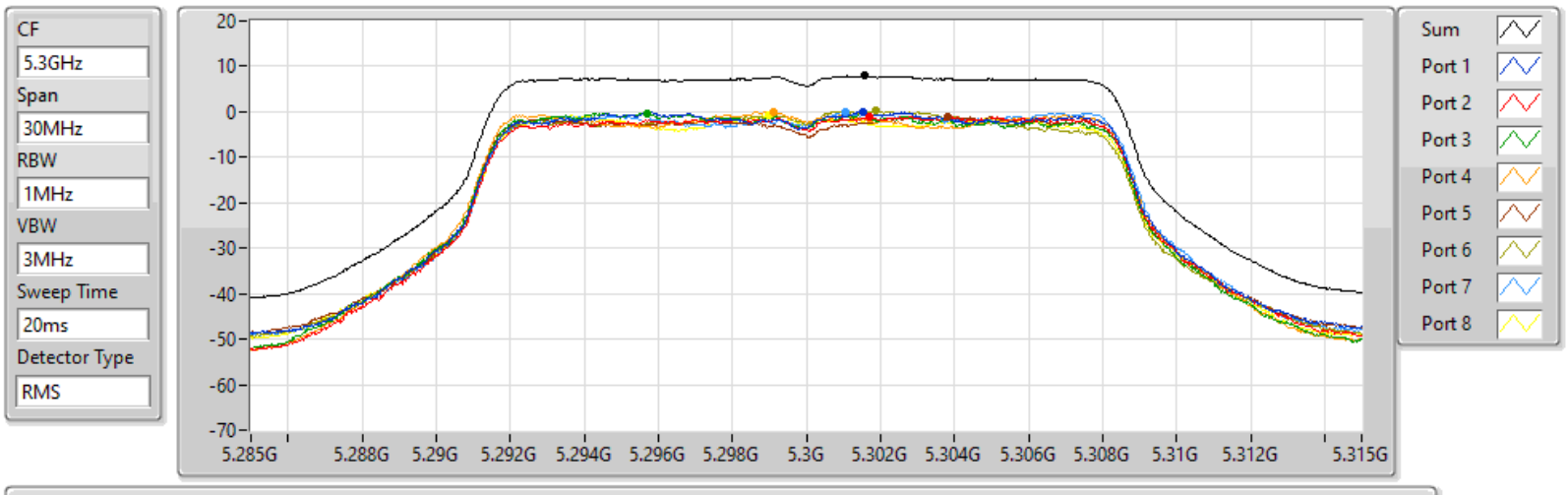
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.96	7.96	-0.38	-1.11	-0.35	-0.06	-0.49	0.01	-0.37	-0.50

802.11a_Nss1,(6Mbps)_8TX

PSD

5300MHz

08/01/2022



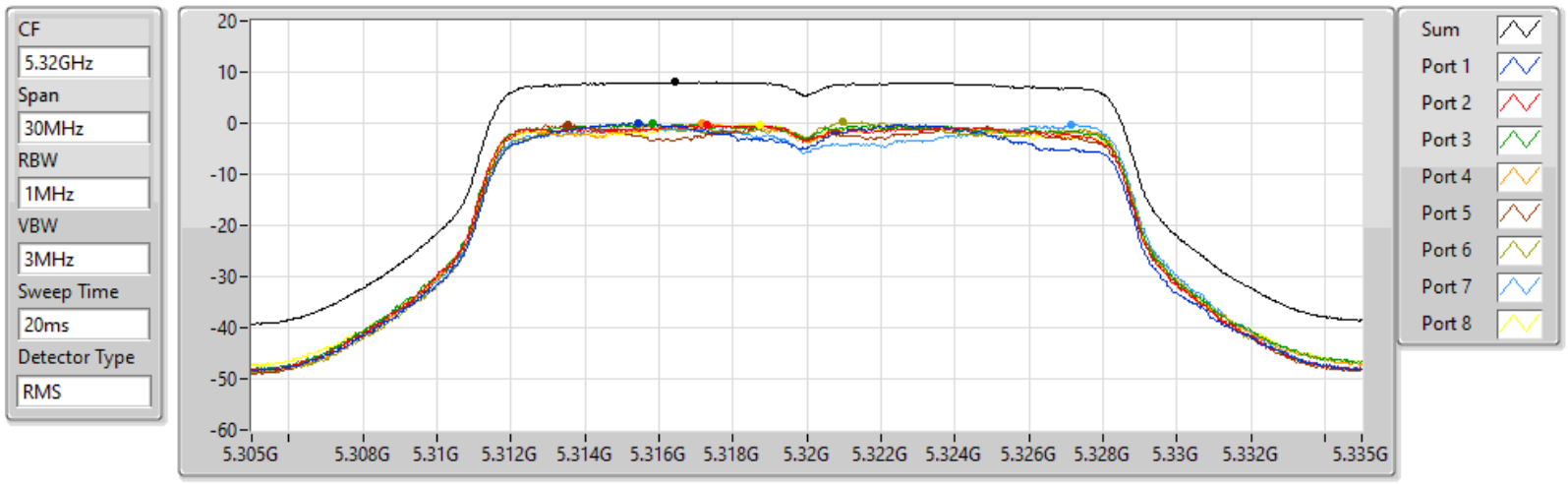
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.01	8.01	-0.04	-1.14	-0.29	0.13	-1.11	0.18	-0.19	-0.76

802.11a_Nss1,(6Mbps)_8TX

PSD

5320MHz

28/03/2022



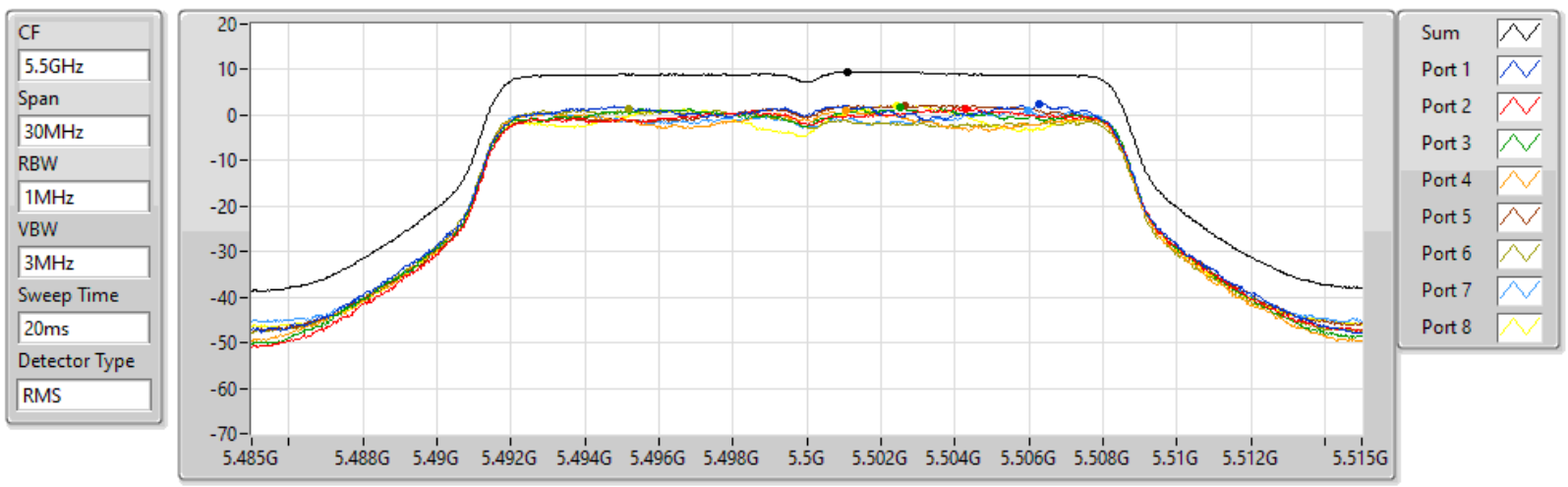
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.99	7.99	0.09	-0.34	-0.01	-0.11	-0.34	0.21	-0.20	-0.23

802.11a_Nss1,(6Mbps)_8TX

PSD

5500MHz

08/01/2022



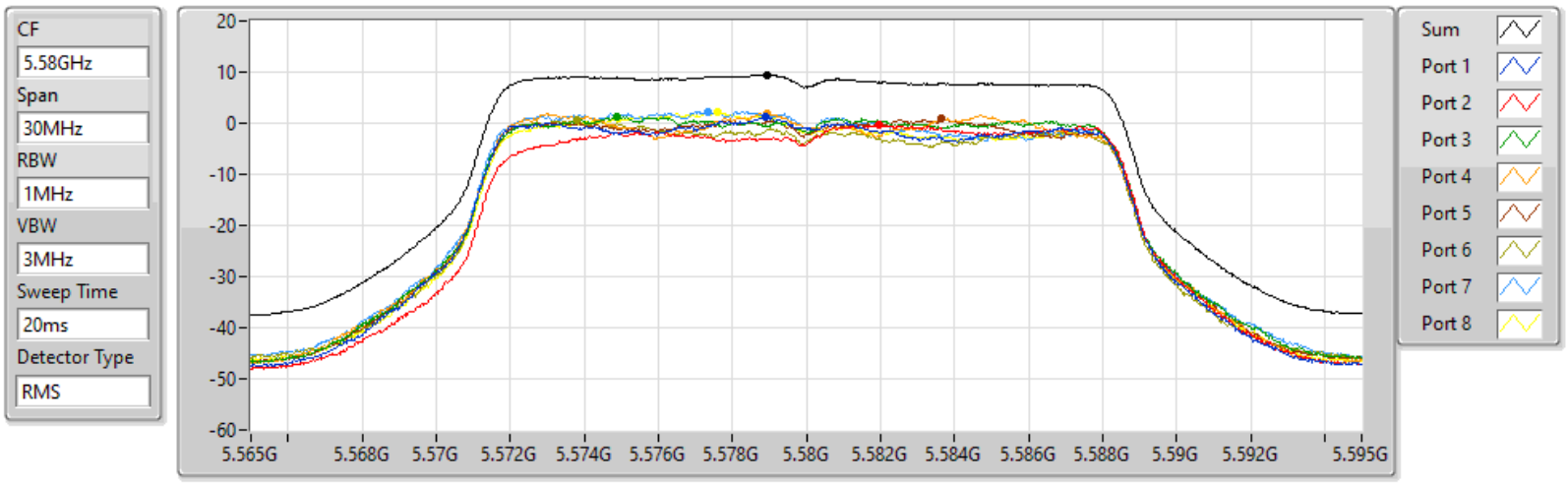
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.57	9.57	2.51	1.29	1.71	1.18	2.23	1.28	0.89	2.18

802.11a_Nss1,(6Mbps)_8TX

PSD

5580MHz

28/03/2022



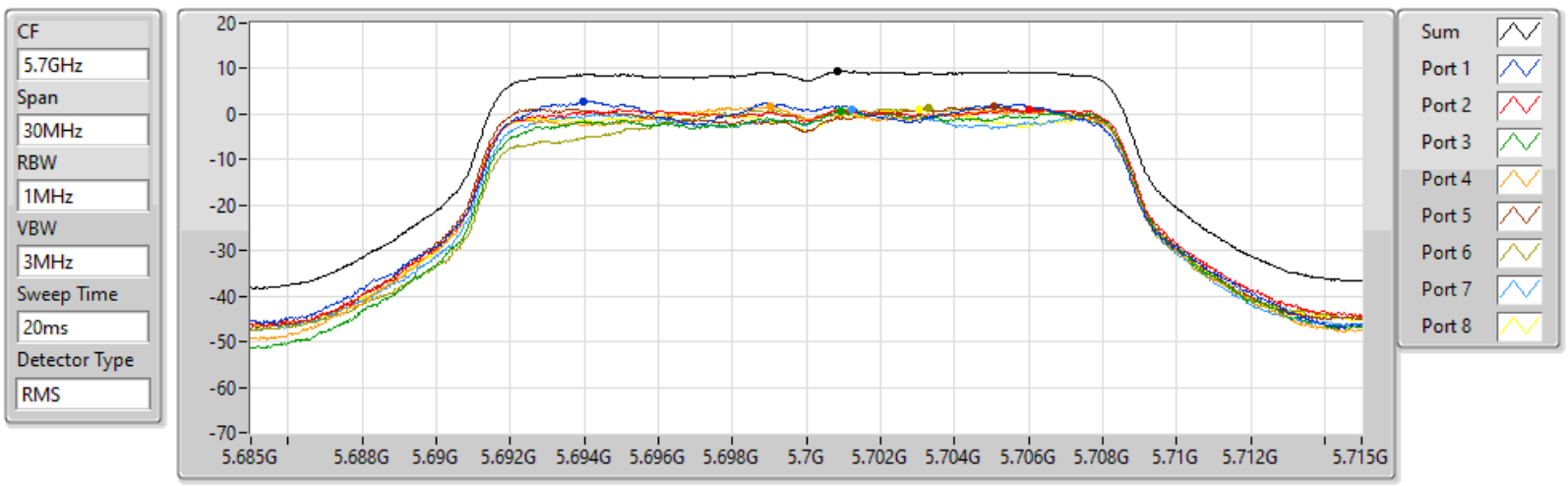
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.37	9.37	1.23	-0.39	1.35	2.00	0.90	0.59	2.16	2.06

802.11a_Nss1,(6Mbps)_8TX

PSD

5700MHz

08/01/2022



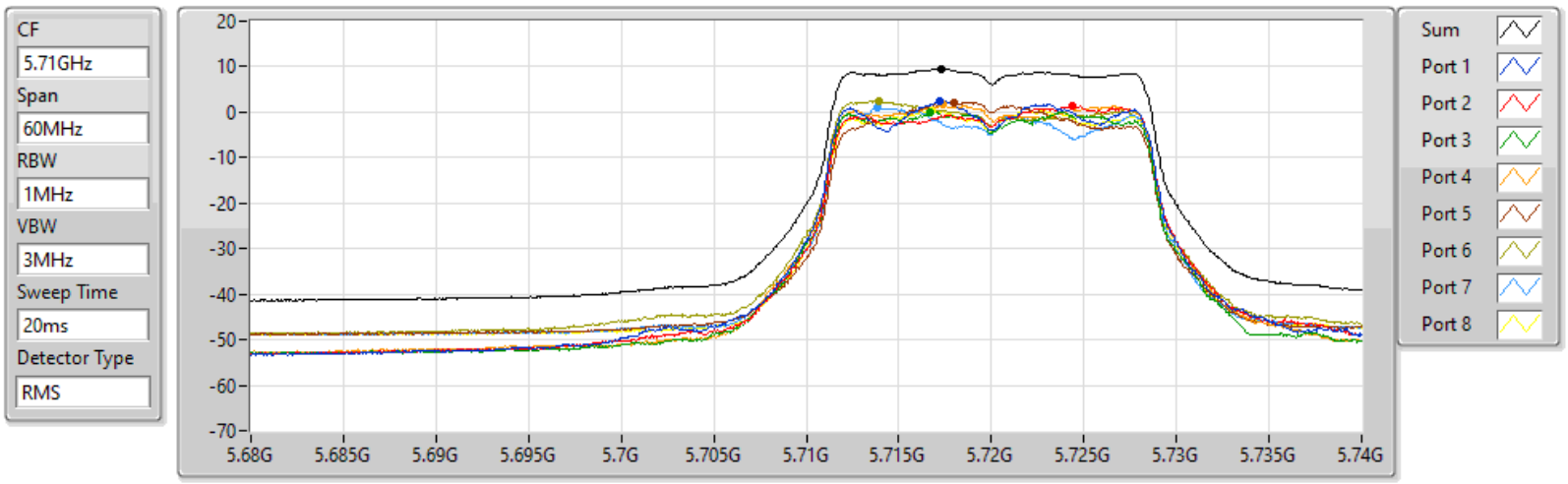
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.41	9.41	2.89	1.06	0.58	1.61	1.55	1.42	1.05	1.00

802.11a_Nss1,(6Mbps)_8TX

PSD

5720MHz Straddle 5.47-5.725GHz

08/01/2022



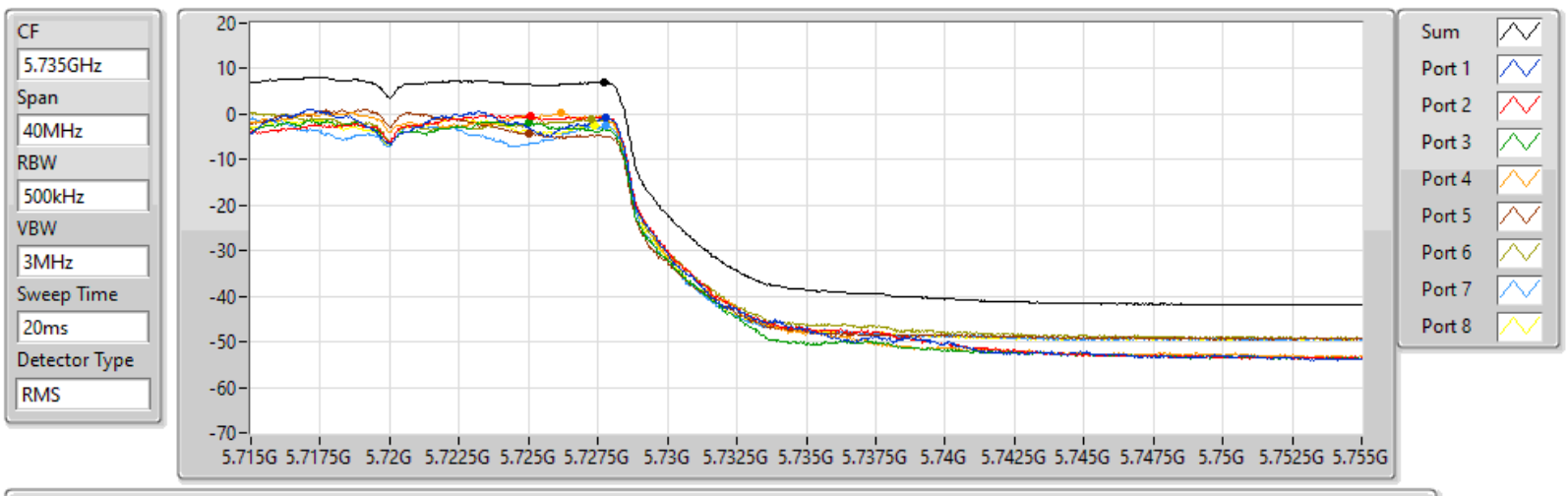
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.52	9.52	2.32	1.21	0.11	1.57	2.21	2.41	0.92	0.45

802.11a_Nss1,(6Mbps)_8TX

PSD

5720MHz Straddle 5.725-5.85GHz

08/01/2022



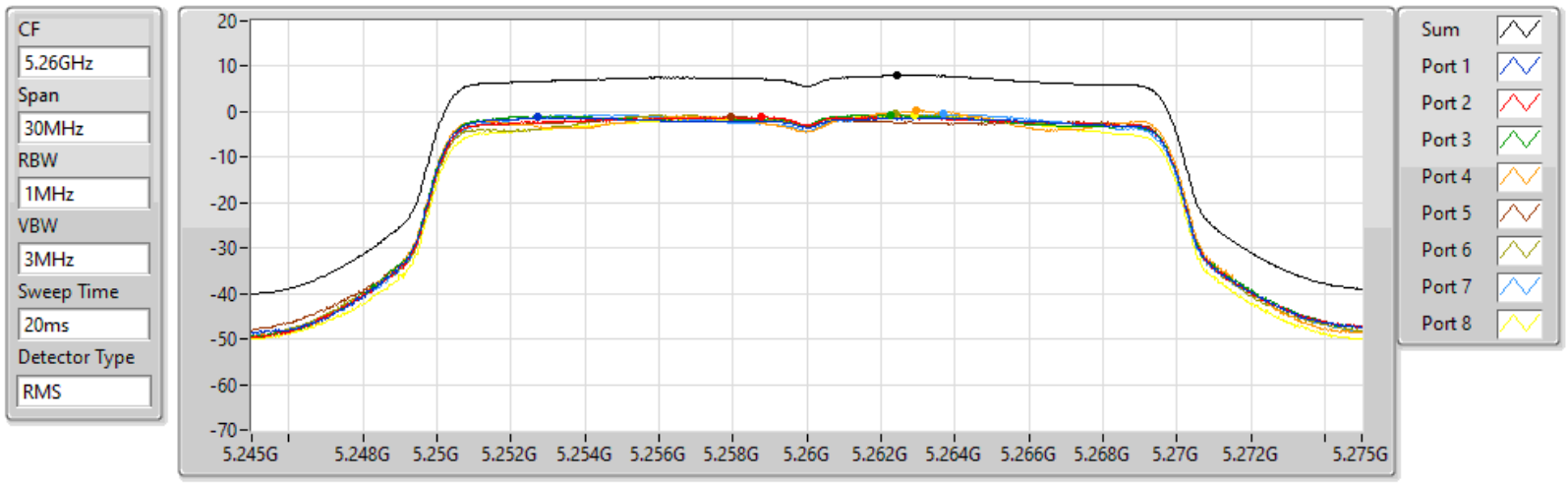
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.12	7.12	-0.57	-0.31	-1.78	0.27	-4.15	-1.13	-2.34	-2.47

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5260MHz

08/01/2022



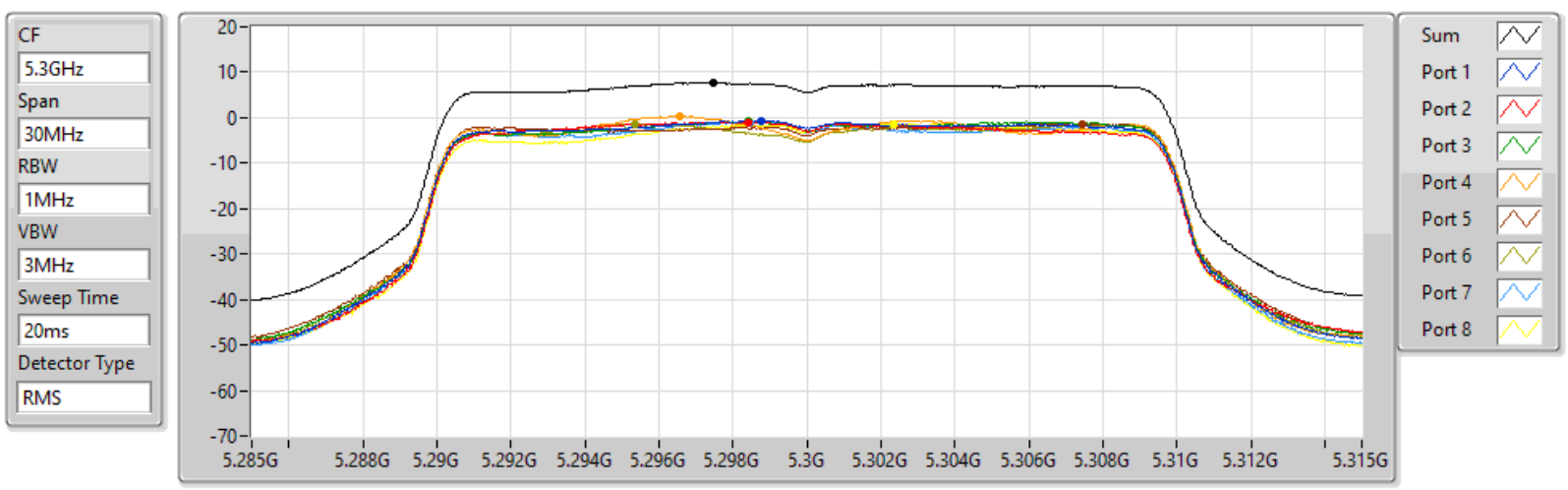
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.02	8.02	-1.24	-1.14	-0.63	0.20	-1.00	-0.49	-0.49	-0.81

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5300MHz

08/01/2022



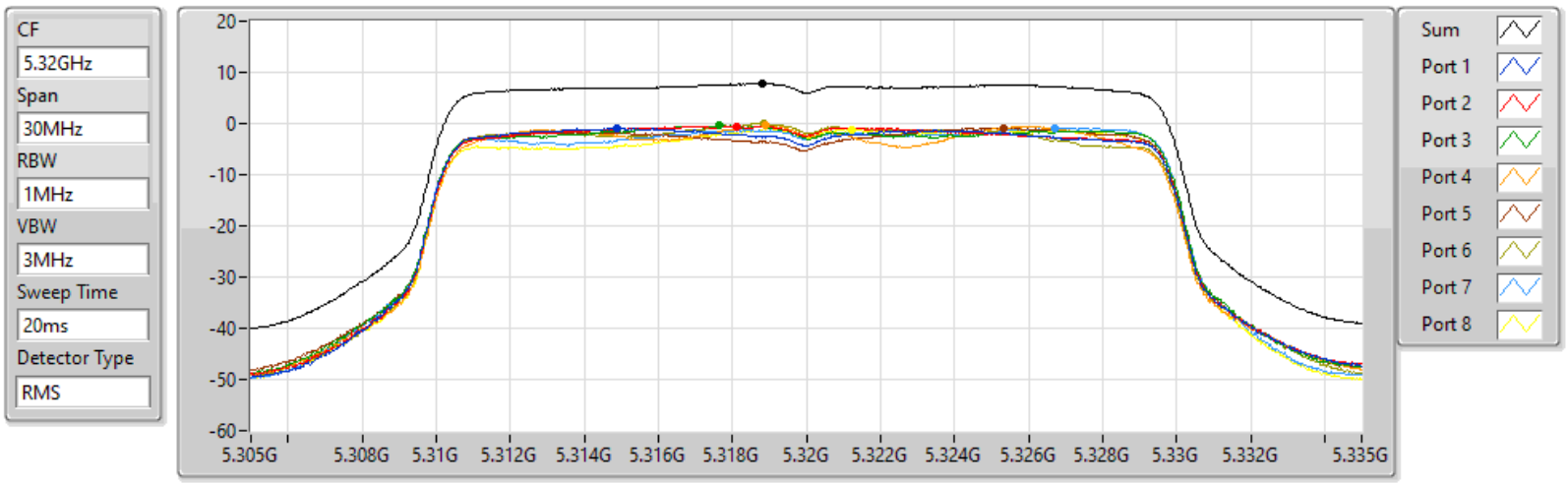
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.64	7.64	-0.60	-0.95	-0.90	0.33	-1.33	-1.30	-0.92	-1.33

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5320MHz

08/01/2022



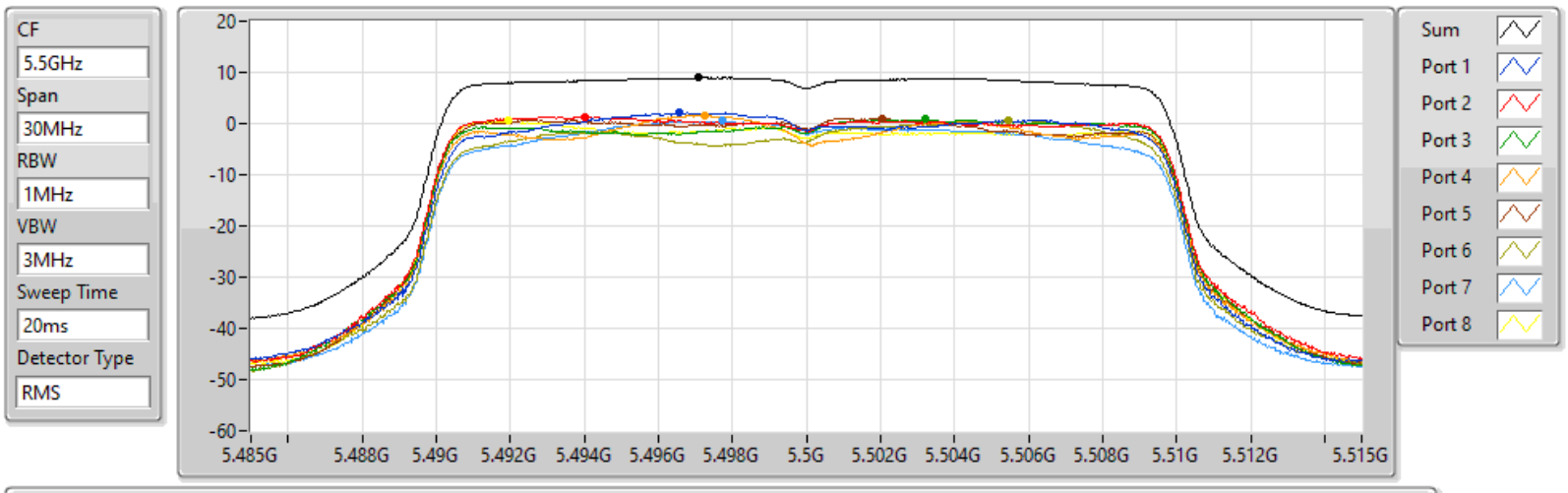
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.81	7.81	-0.97	-0.55	-0.43	-0.42	-0.90	0.02	-0.84	-1.16

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5500MHz

08/01/2022



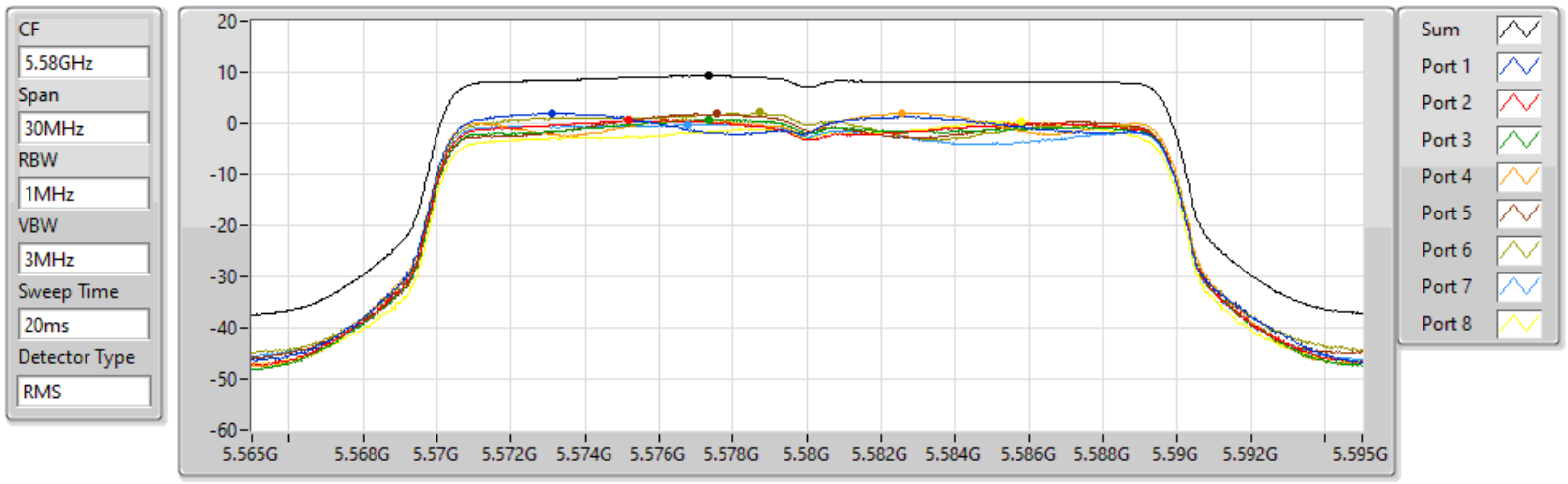
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.97	8.97	2.06	1.33	0.81	1.63	1.04	0.53	0.50	0.47

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5580MHz

08/01/2022



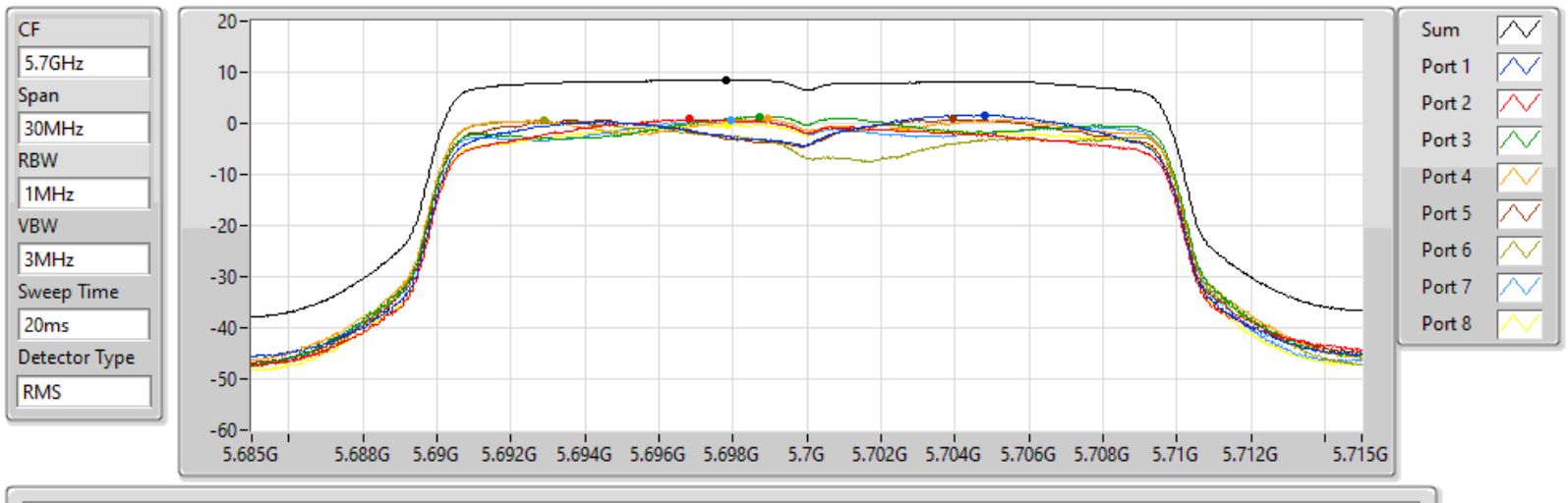
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.34	9.34	1.92	0.55	0.77	1.99	1.76	2.05	-0.17	0.32

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5700MHz

08/01/2022



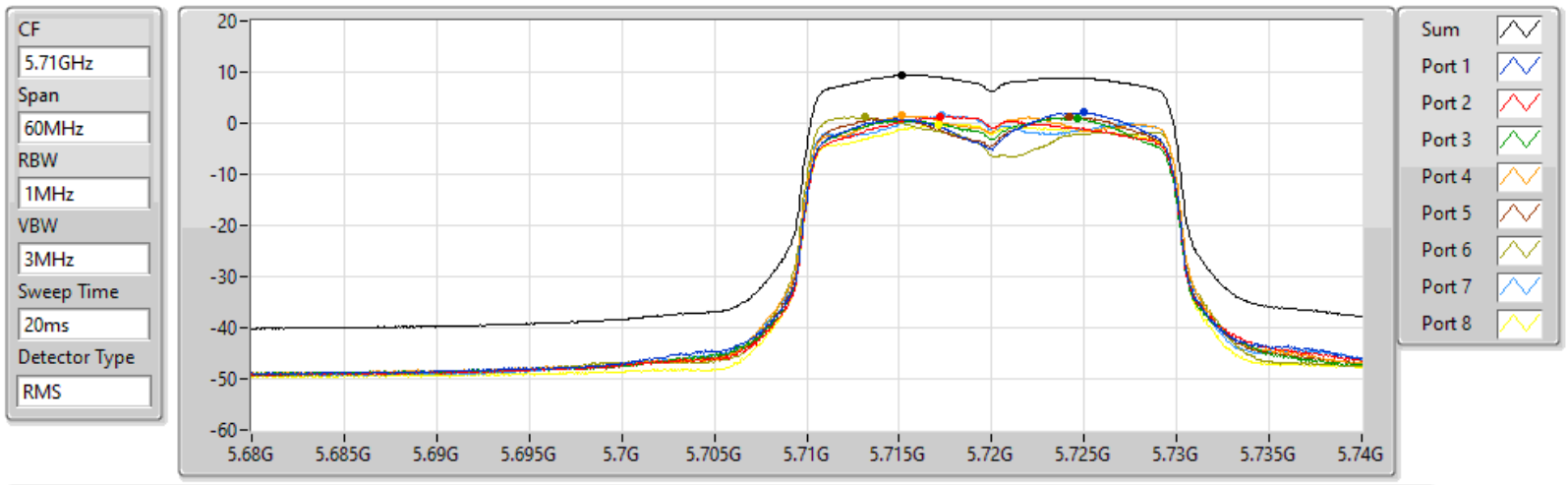
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.56	8.56	1.68	0.80	1.40	0.79	0.81	0.53	0.62	-0.22

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5720MHz Straddle 5.47-5.725GHz

08/01/2022



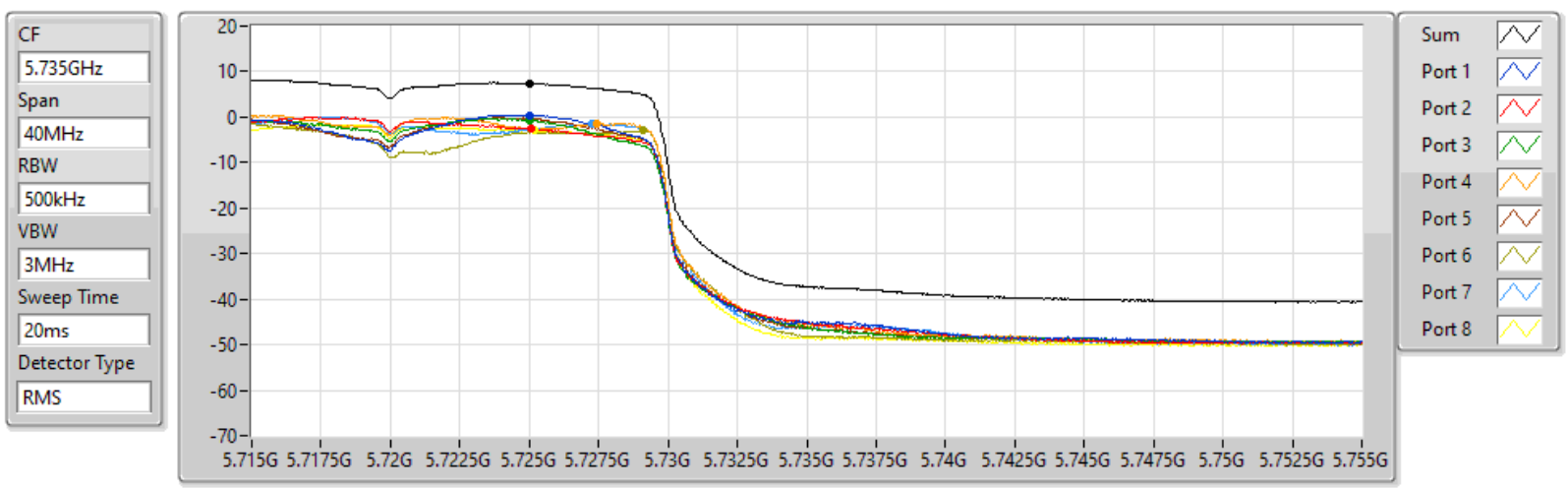
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.41	9.41	2.06	1.26	0.91	1.44	1.28	1.14	1.51	-0.33

802.11ax HEW20_Nss1,(MCS0)_8TX

PSD

5720MHz Straddle 5.725-5.85GHz

08/01/2022



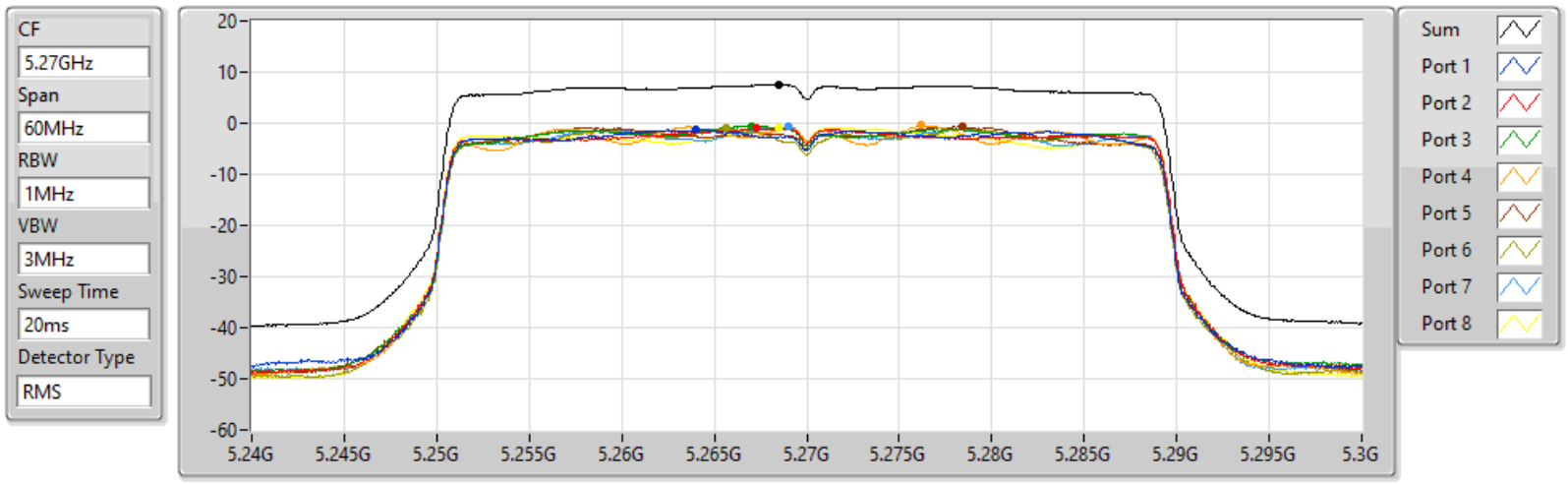
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.40	7.40	0.48	-2.65	-0.68	-1.45	-0.16	-2.98	-1.51	-2.90

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5270MHz

08/01/2022



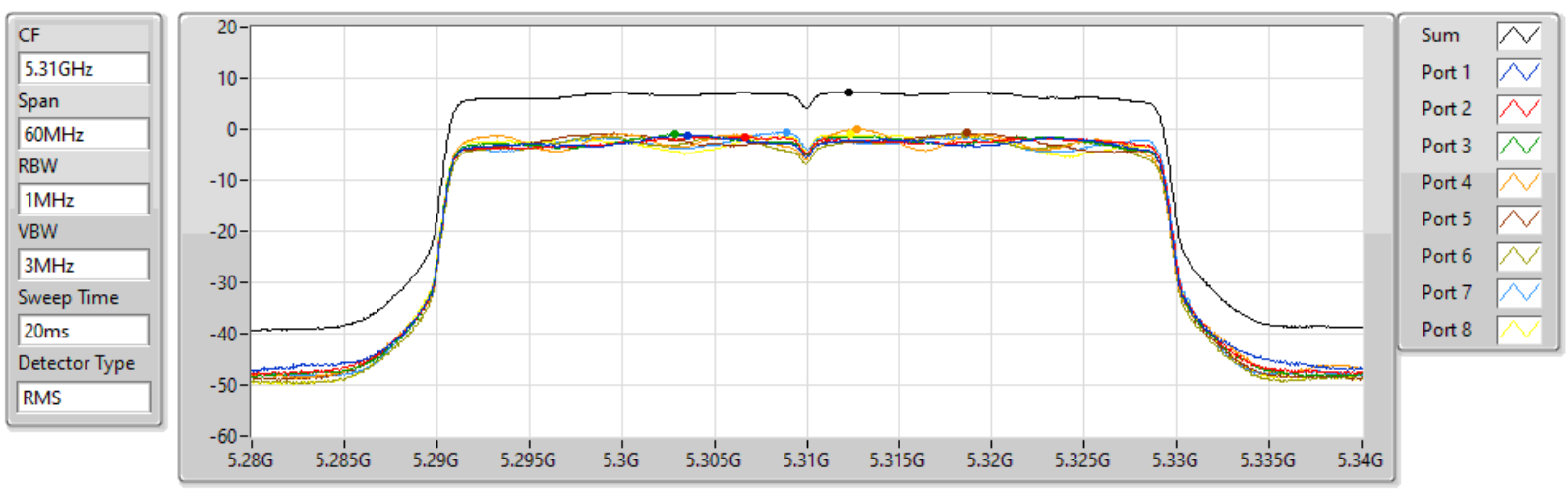
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	-1.23	-1.08	-0.54	-0.42	-0.61	-1.08	-0.77	-0.81

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5310MHz

08/01/2022



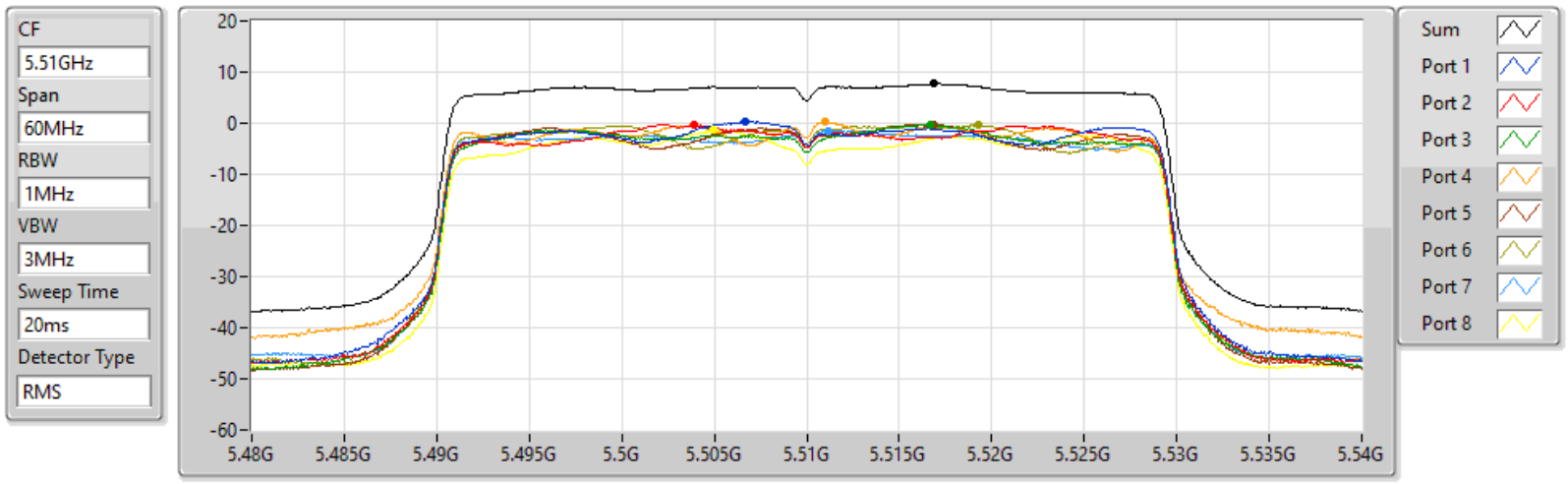
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.33	7.33	-1.16	-1.46	-1.00	0.03	-0.74	-0.92	-0.58	-1.09

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5510MHz

08/01/2022



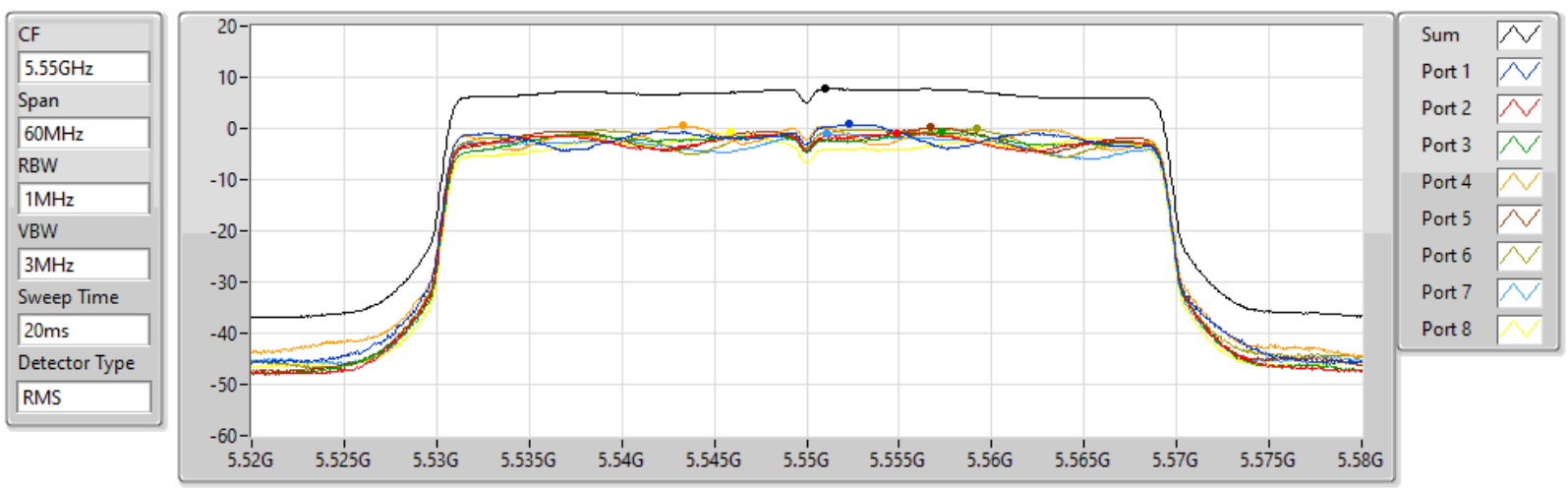
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.70	7.70	0.30	-0.32	-0.26	0.21	-0.18	-0.37	-1.49	-1.34

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5550MHz

08/01/2022



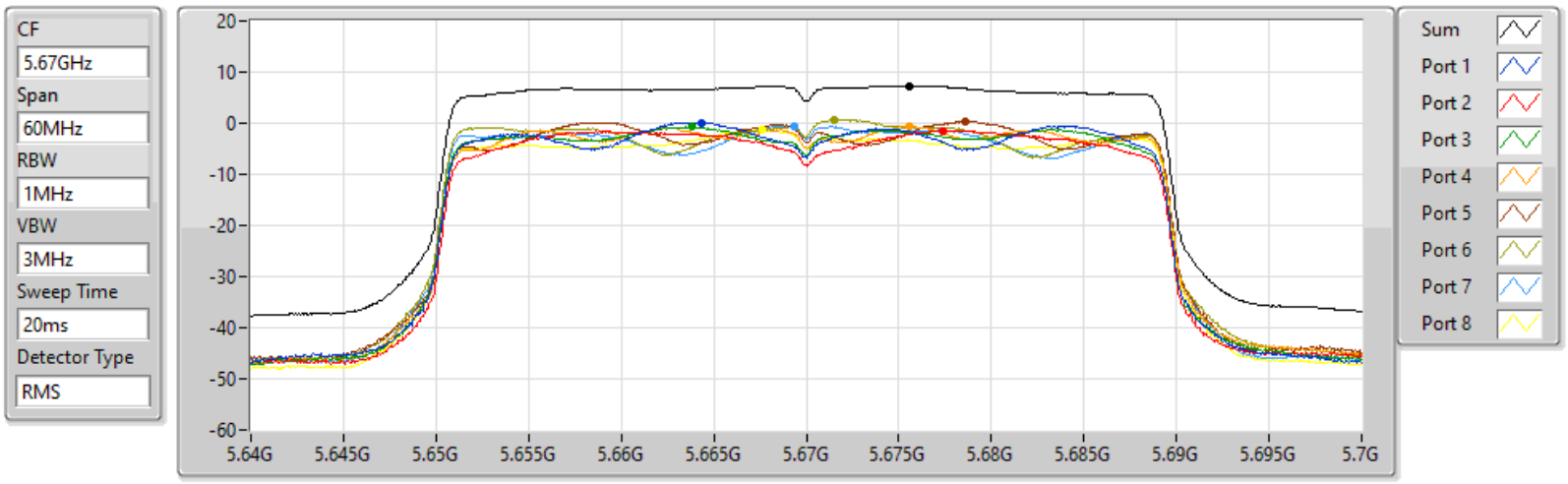
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.80	7.80	0.82	-0.81	-0.78	0.57	0.20	-0.01	-0.98	-0.74

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5670MHz

08/01/2022



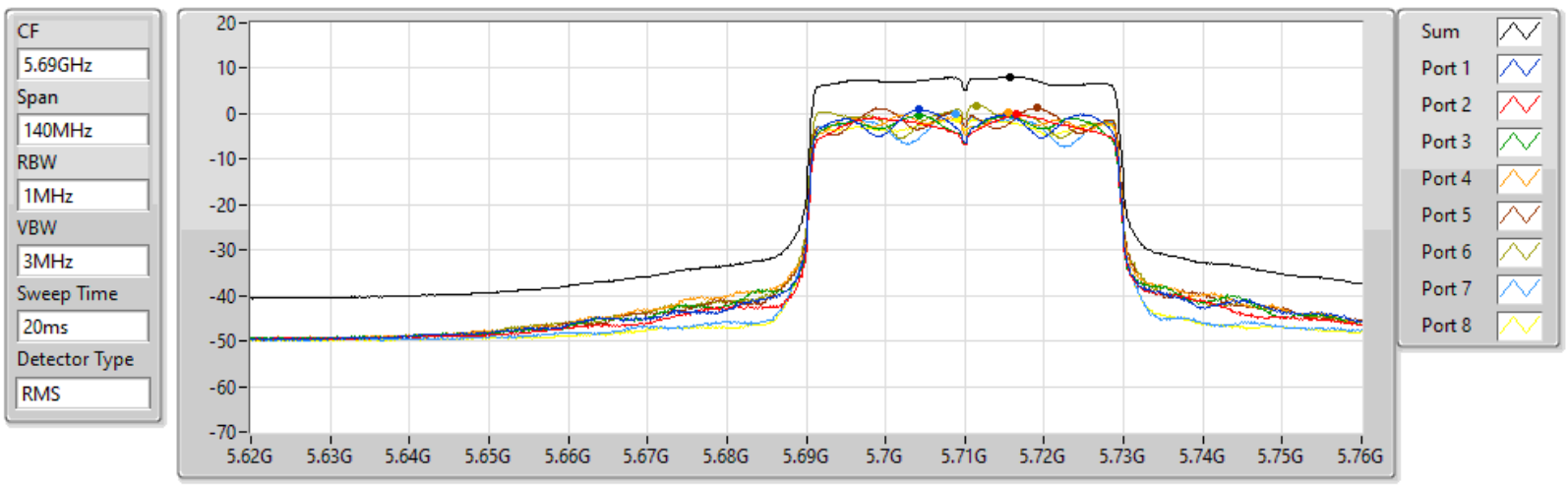
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.34	7.34	0.13	-1.50	-0.70	-0.58	0.40	0.67	-0.60	-1.28

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5710MHz Straddle 5.47-5.725GHz

08/01/2022



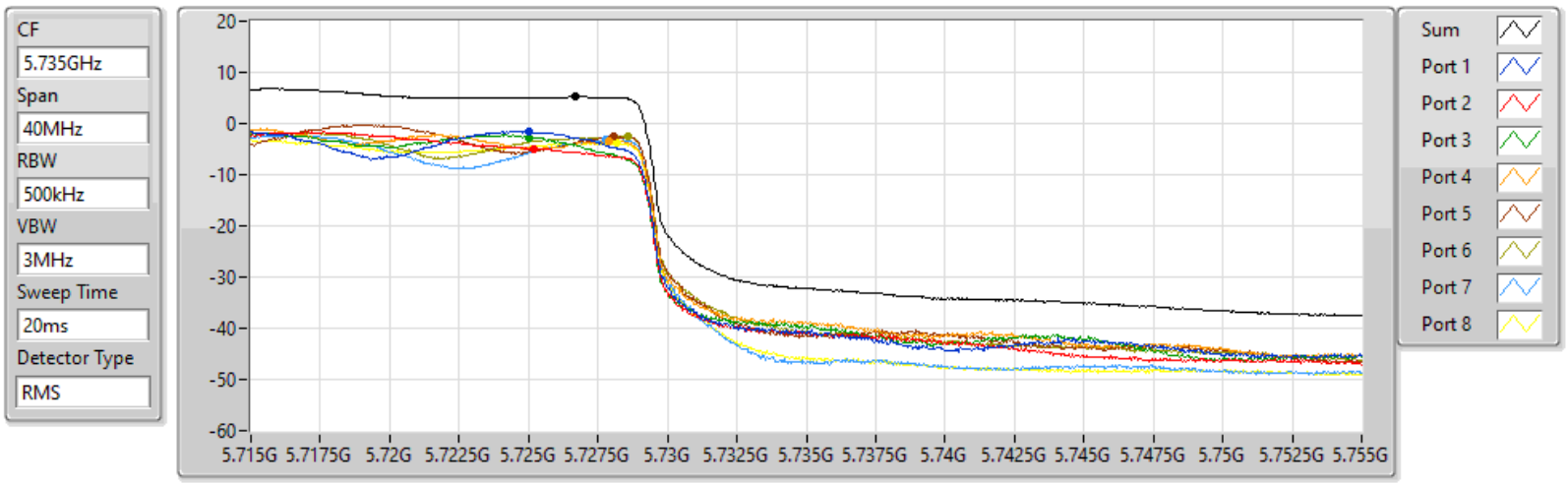
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	0.84	-0.19	-0.45	0.29	1.23	1.87	0.07	-0.95

802.11ax HEW40_Nss1,(MCS0)_8TX

PSD

5710MHz Straddle 5.725-5.85GHz

08/01/2022



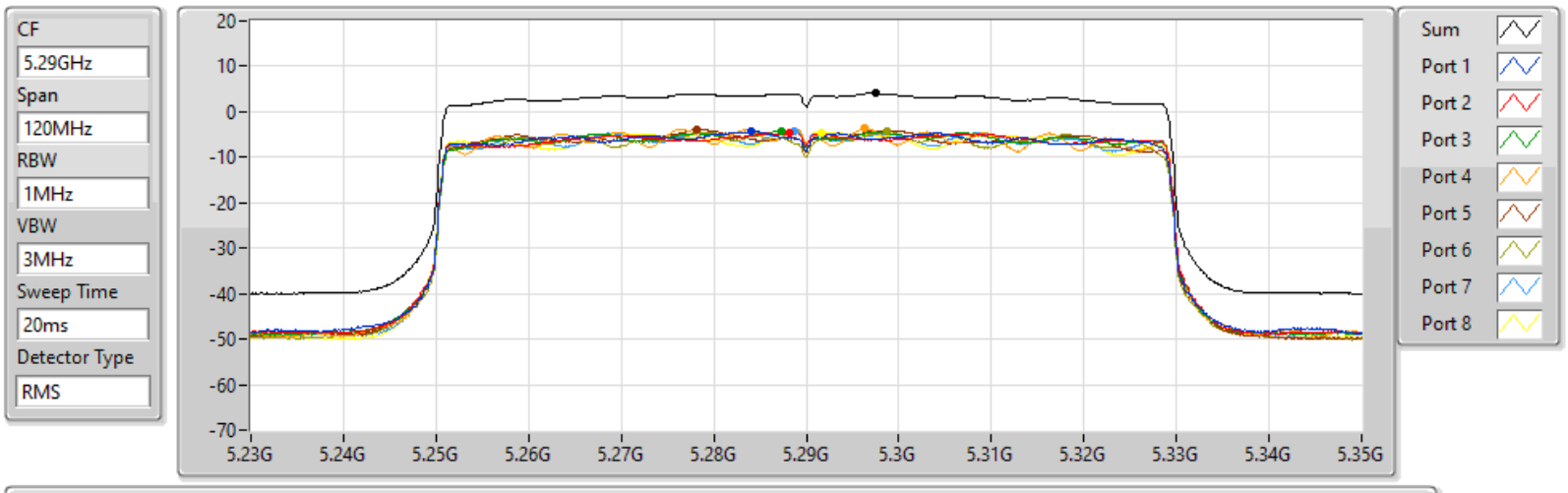
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	-1.62	-4.93	-2.67	-3.34	-2.52	-2.44	-3.18	-3.84

802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5290MHz

08/01/2022



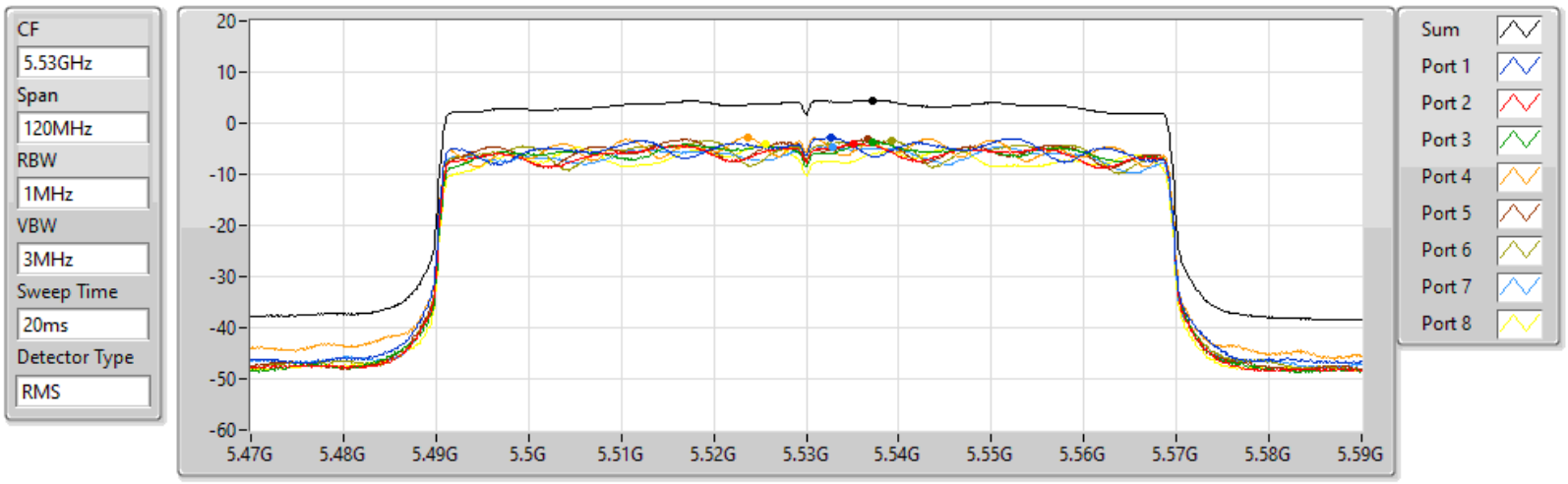
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.08	4.08	-4.24	-4.72	-4.20	-3.66	-3.91	-4.19	-4.31	-4.44

802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5530MHz

08/01/2022



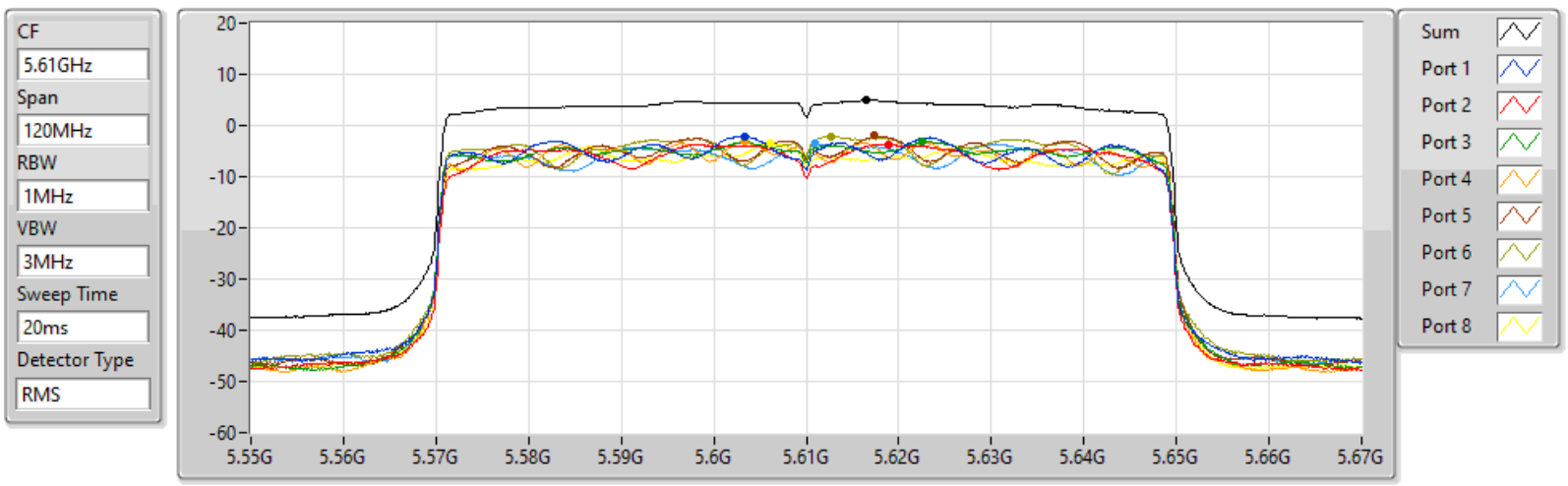
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.52	4.52	-2.76	-4.03	-3.70	-2.71	-3.14	-3.35	-4.56	-4.11

802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5610MHz

08/01/2022



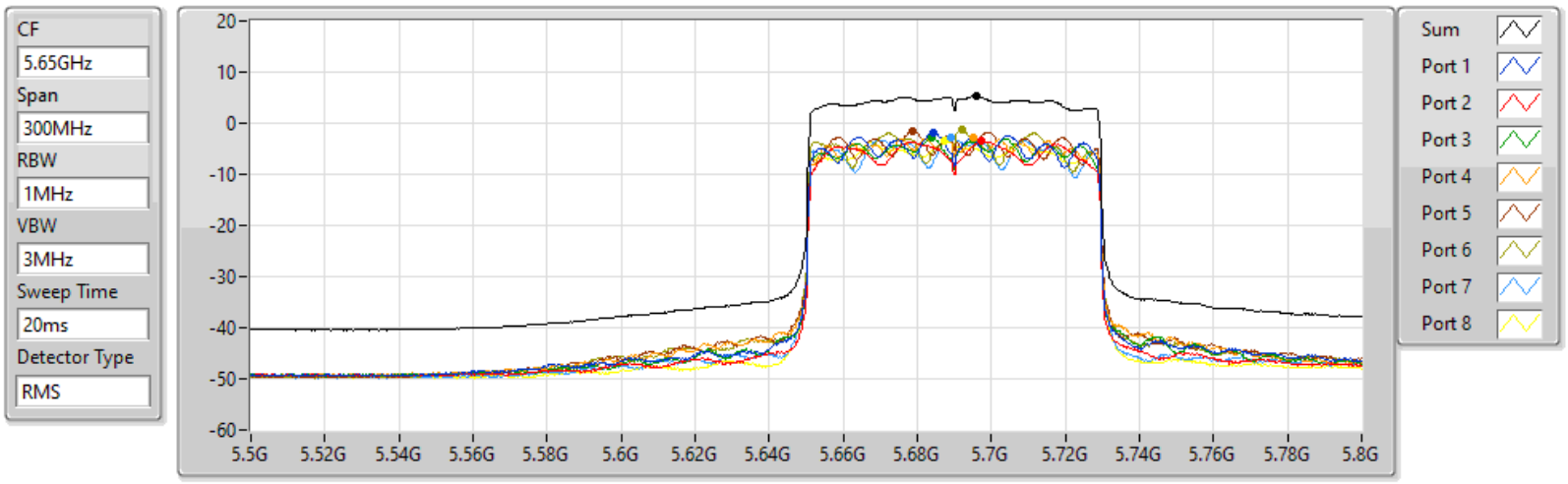
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.97	4.97	-2.15	-3.62	-3.17	-3.09	-1.97	-2.07	-3.50	-3.45

802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5690MHz Straddle 5.47-5.725GHz

08/01/2022



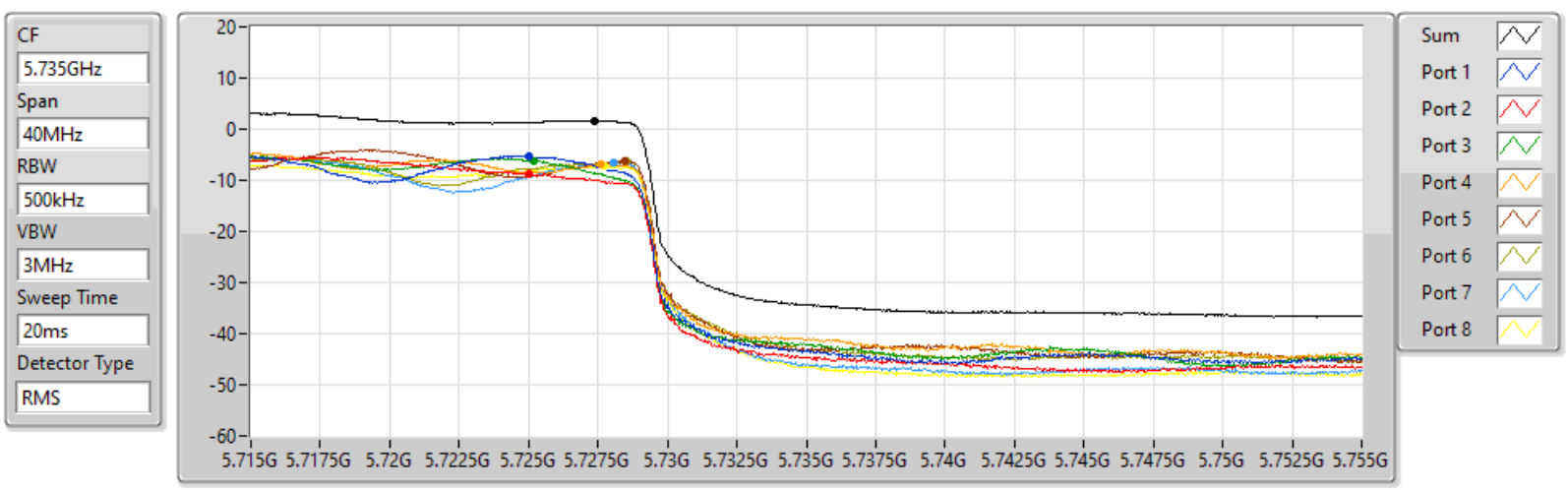
Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.28	5.28	-1.80	-3.46	-2.90	-2.74	-1.56	-1.33	-2.89	-3.38

802.11ax HEW80_Nss1,(MCS0)_8TX

PSD

5690MHz Straddle 5.725-5.85GHz

08/01/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.54	1.54	-5.43	-8.85	-6.12	-6.81	-6.24	-6.13	-6.60	-7.26

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	2.23
5.25-5.35GHz	-
802.11ax HEW80+80_Nss1,(MCS0)_8TX	2.32
5.47-5.725GHz	-
802.11ax HEW80+80_Nss2,(MCS0)_8TX	1.18

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)	Port 5 (dBm/RBW)	Port 6 (dBm/RBW)	Port 7 (dBm/RBW)	Port 8 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW80+80_Nss1,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
#5210MHz,5290MHz	Pass	8.39	-3.11	-4.05	-3.71	-2.76					2.23	14.61
5210MHz,#5290MHz	Pass	8.65	-	-	-	-	-3.67	-3.18	-3.94	-3.11	2.32	8.35
802.11ax HEW80+80_Nss2,(MCS0)_8TX	-	-	-	-	-	-	-	-	-	-	-	-
#5530MHz,#5610MHz	Pass	7.37	-4.61	-3.77	-4.84	-3.66	-4.92	-5.30	-5.65	-5.24	1.18	9.63

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

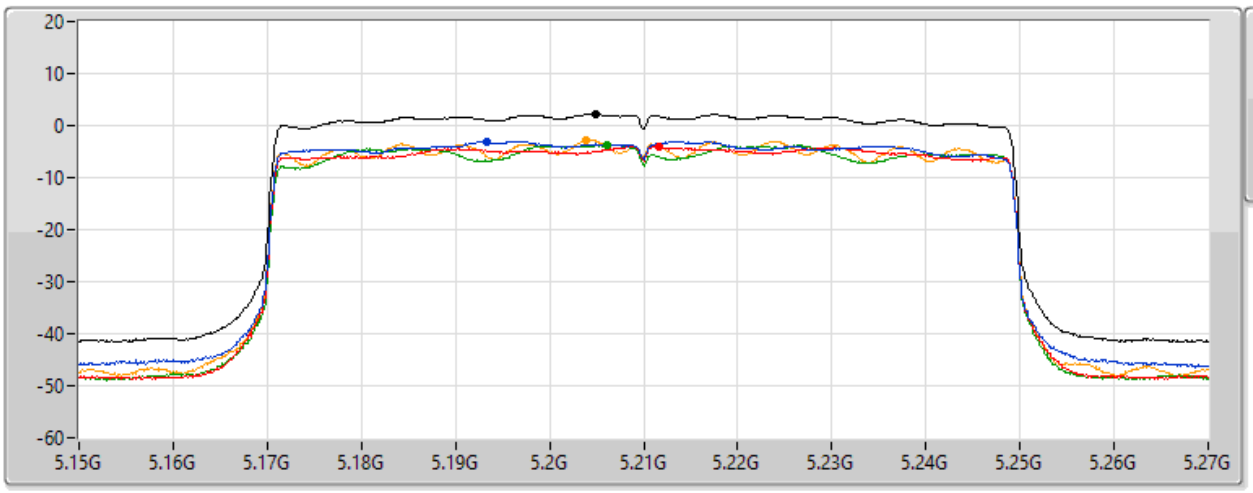
802.11ax HEW80+80_Nss1,(MCS0)_8TX

PSD

#5210MHz,5290MHz

08/01/2022

CF 5.21GHz
Span 120MHz
RBW 1MHz
VBW 3MHz
Sweep Time 20ms
Detector Type RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.23	2.23	-3.11	-4.05	-3.71	-2.76

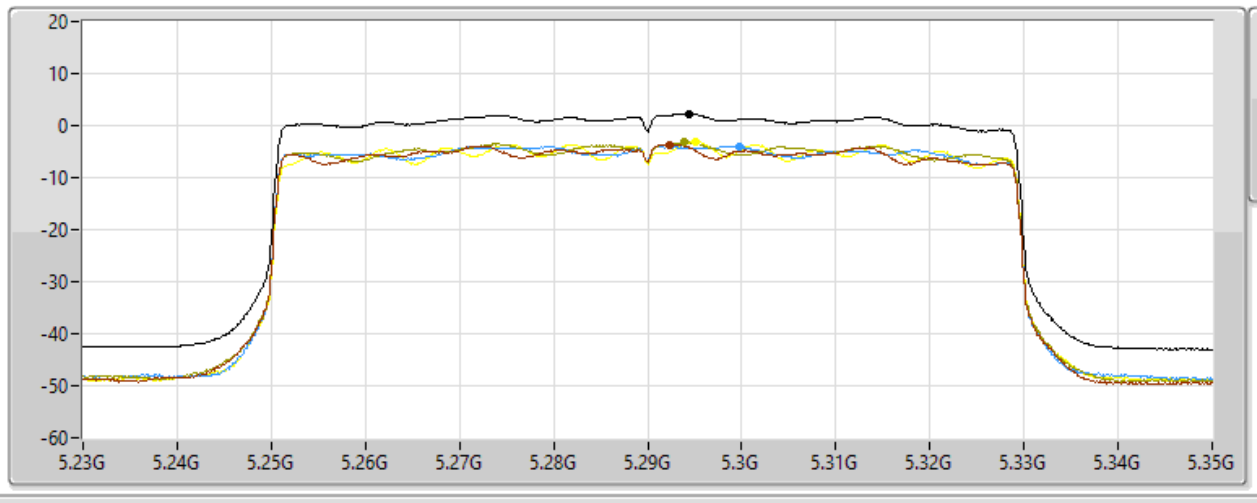
802.11ax HEW80+80_Nss1,(MCS0)_8TX

PSD

5210MHz,#5290MHz

08/01/2022

CF 5.29GHz
Span 120MHz
RBW 1MHz
VBW 3MHz
Sweep Time 20ms
Detector Type RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.32	2.32	-	-	-	-	-3.67	-3.18	-3.94	-3.11

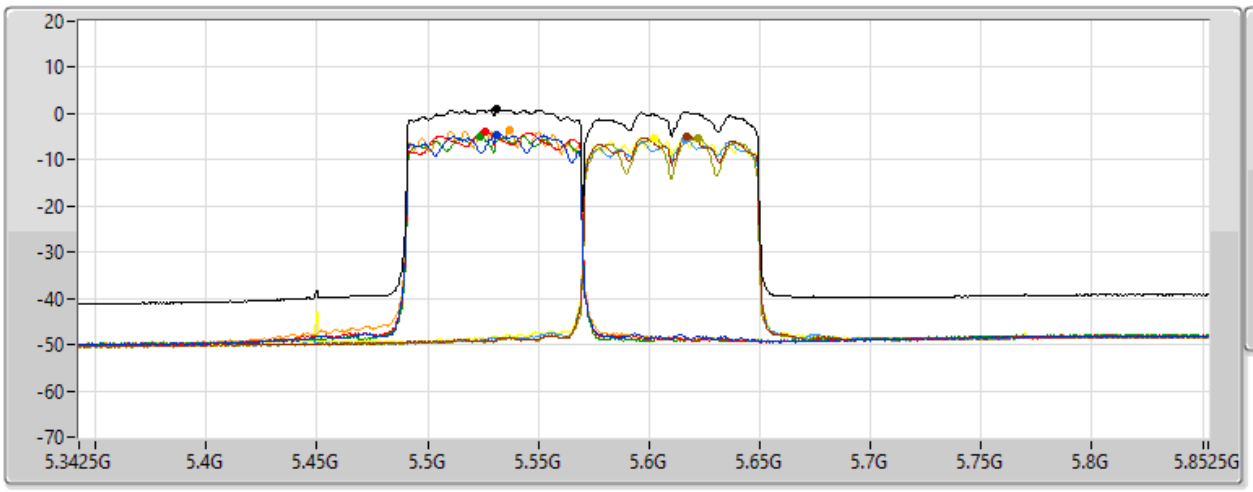
802.11ax HEW80+80_Nss2,(MCS0)_8TX

PSD

#5530MHz,#5610MHz

08/01/2022

CF	5.5975GHz
Span	510MHz
RBW	1MHz
VBW	3MHz
Sweep Time	20ms
Detector Type	RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.18	1.18	-4.61	-3.77	-4.84	-3.66	-4.92	-5.30	-5.65	-5.24

Summary

Mode	PD (dBm/RBW)
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	9.54
802.11ax HEW20_Nss1,(MCS0)_4TX	9.37
802.11ax HEW40_Nss1,(MCS0)_4TX	8.21
802.11ax HEW80_Nss1,(MCS0)_4TX	2.52

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)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.38	4.54	4.29	4.10	3.27	9.43	9.62
5300MHz	Pass	7.38	5.01	4.01	4.53	3.95	9.54	9.62
5320MHz	Pass	7.38	5.09	4.38	4.40	3.98	9.51	9.62
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5260MHz	Pass	7.38	4.42	4.43	4.09	3.46	9.18	9.62
5300MHz	Pass	7.38	3.89	3.52	3.70	3.37	9.37	9.62
5320MHz	Pass	7.38	3.74	3.39	3.62	4.17	9.25	9.62
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5270MHz	Pass	7.38	2.76	2.84	2.68	2.37	8.21	9.62
5310MHz	Pass	7.38	0.12	0.36	-0.08	-0.10	5.45	9.62
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5290MHz	Pass	7.38	-2.90	-2.68	-3.11	-3.12	2.52	9.62

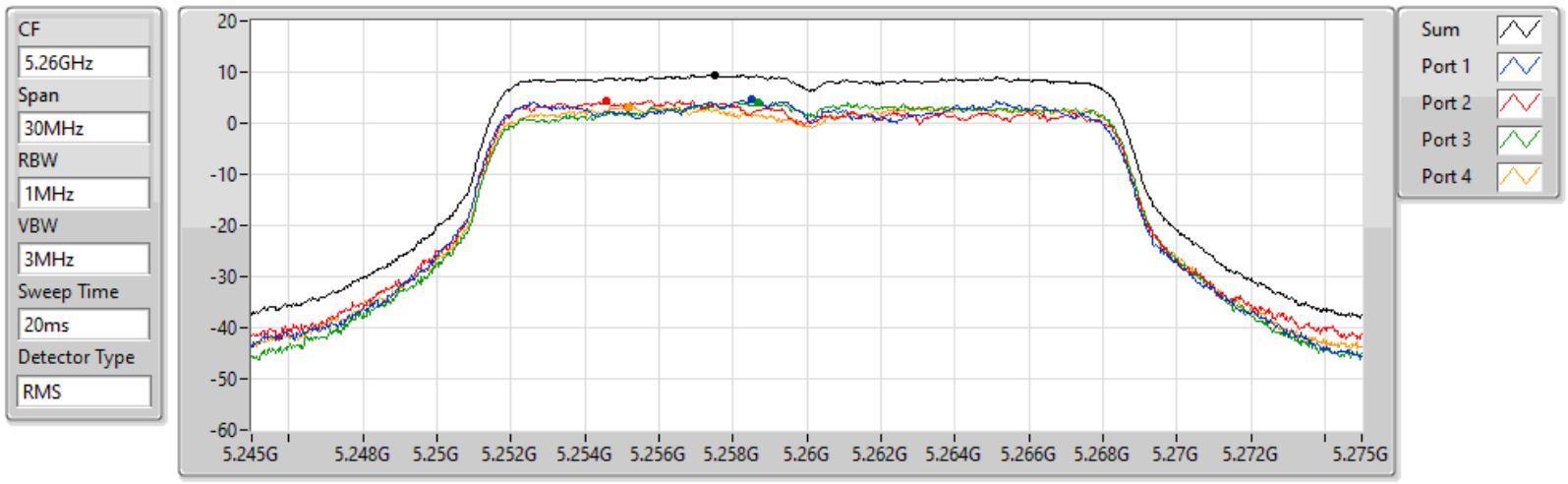
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

28/03/2022



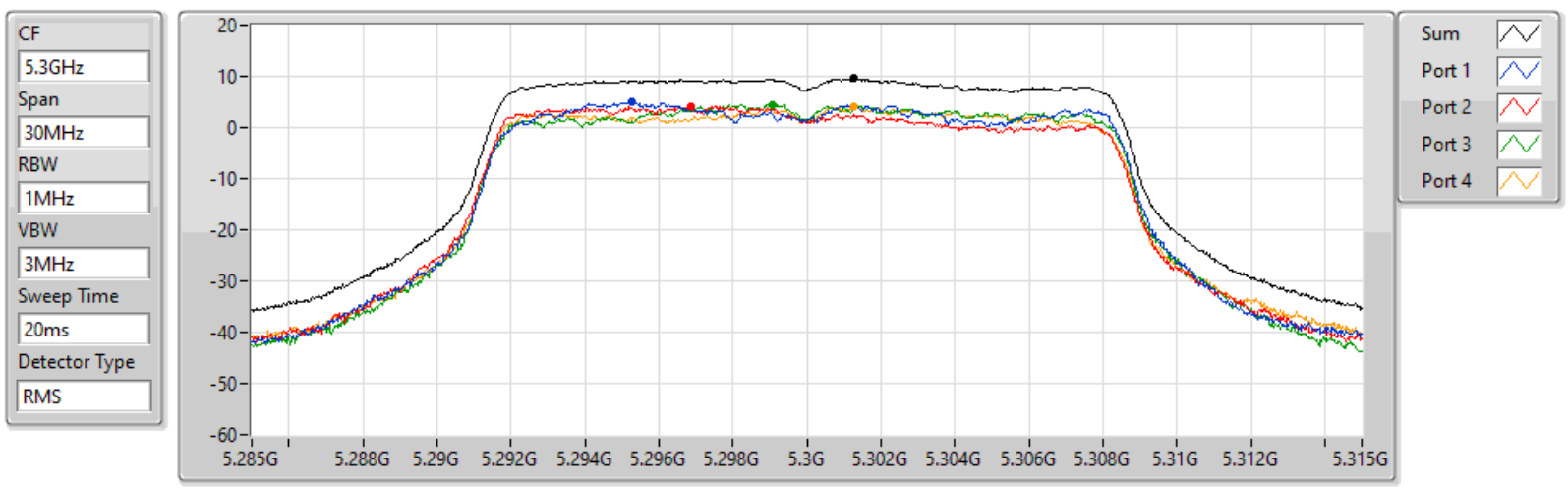
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.43	9.43	4.54	4.29	4.10	3.27

802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

28/03/2022



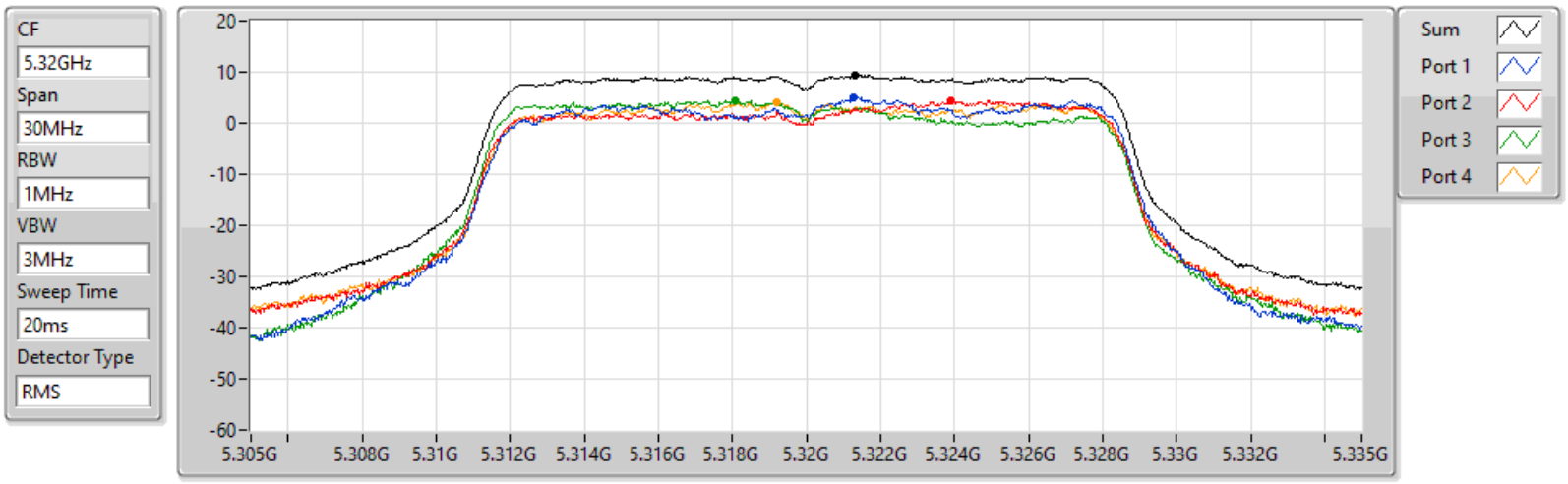
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.54	9.54	5.01	4.01	4.53	3.95

802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

28/03/2022



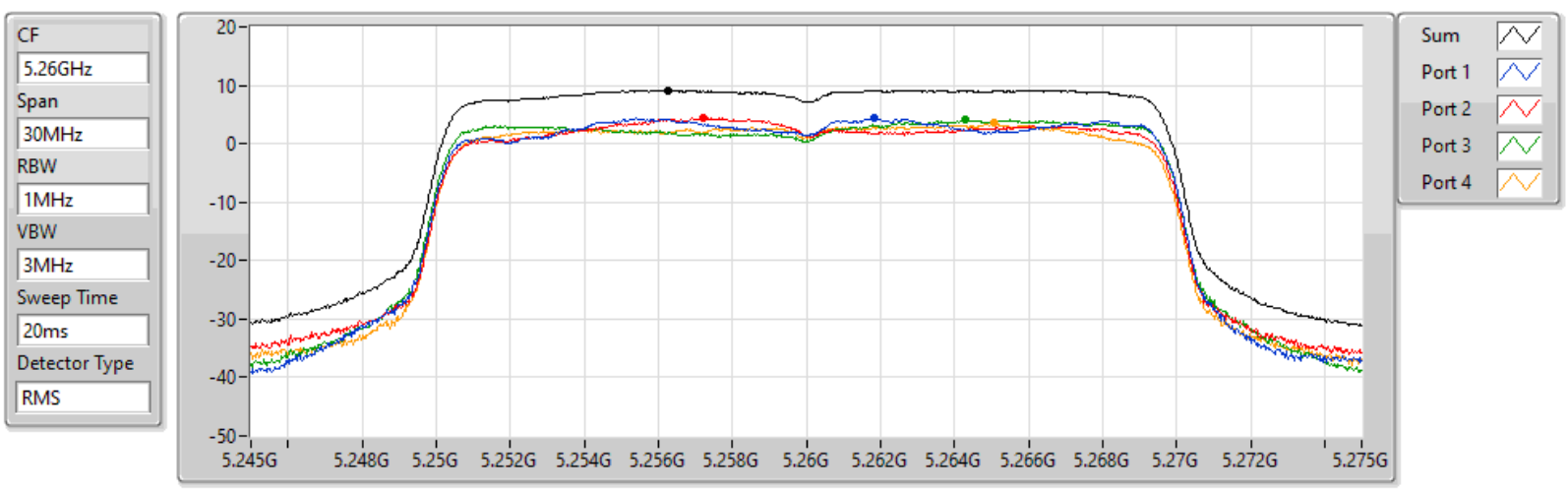
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.51	9.51	5.09	4.38	4.40	3.98

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

28/03/2022



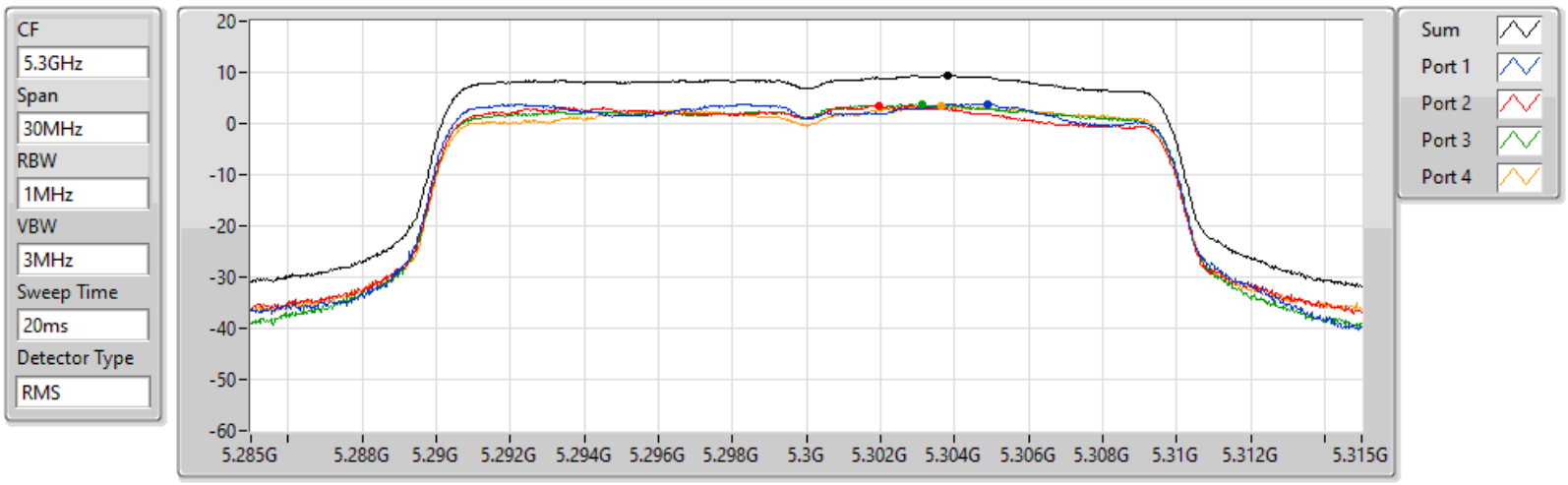
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.18	9.18	4.42	4.43	4.09	3.46

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

28/03/2022



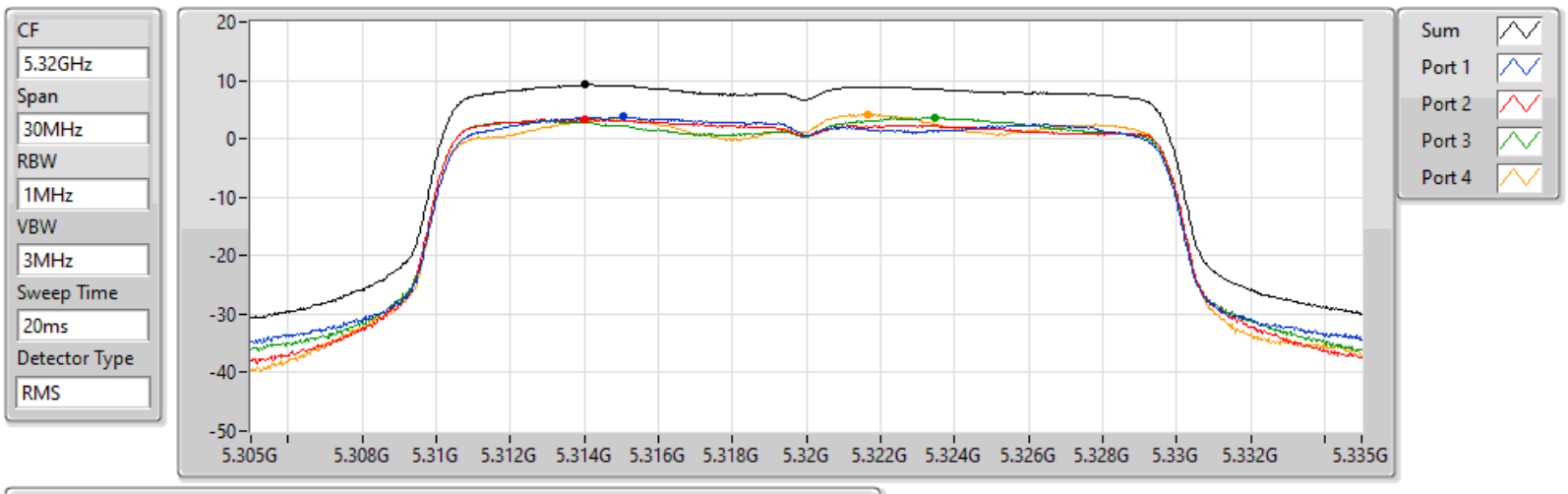
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.37	9.37	3.89	3.52	3.70	3.37

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

08/01/2022

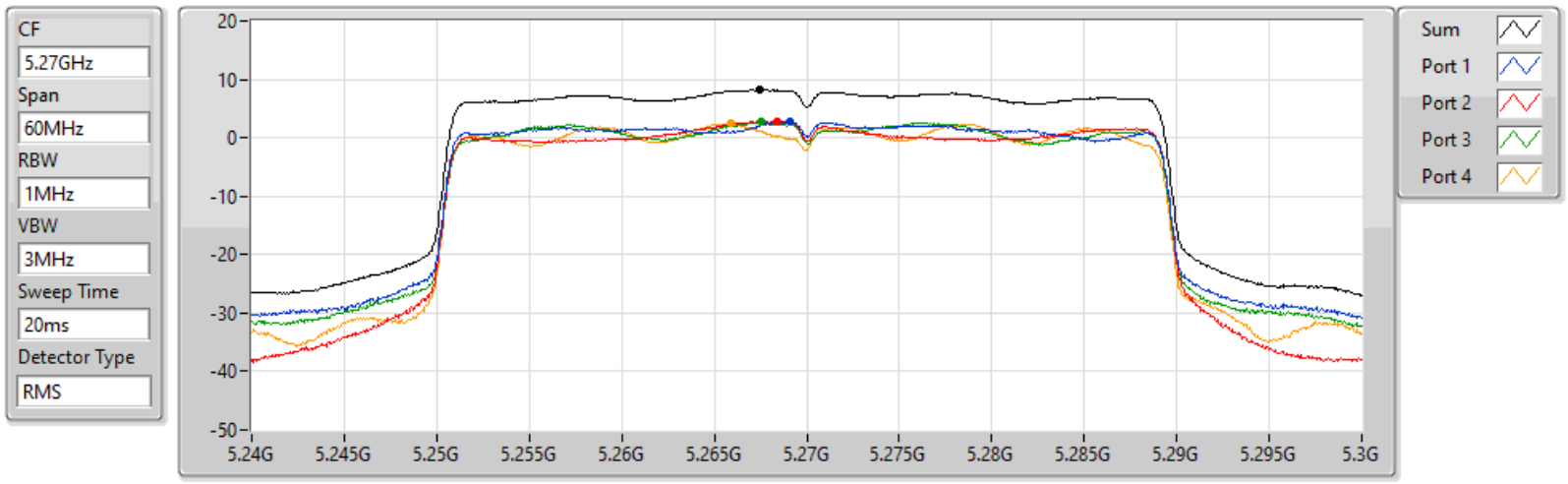


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.25	9.25	3.74	3.39	3.62	4.17

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

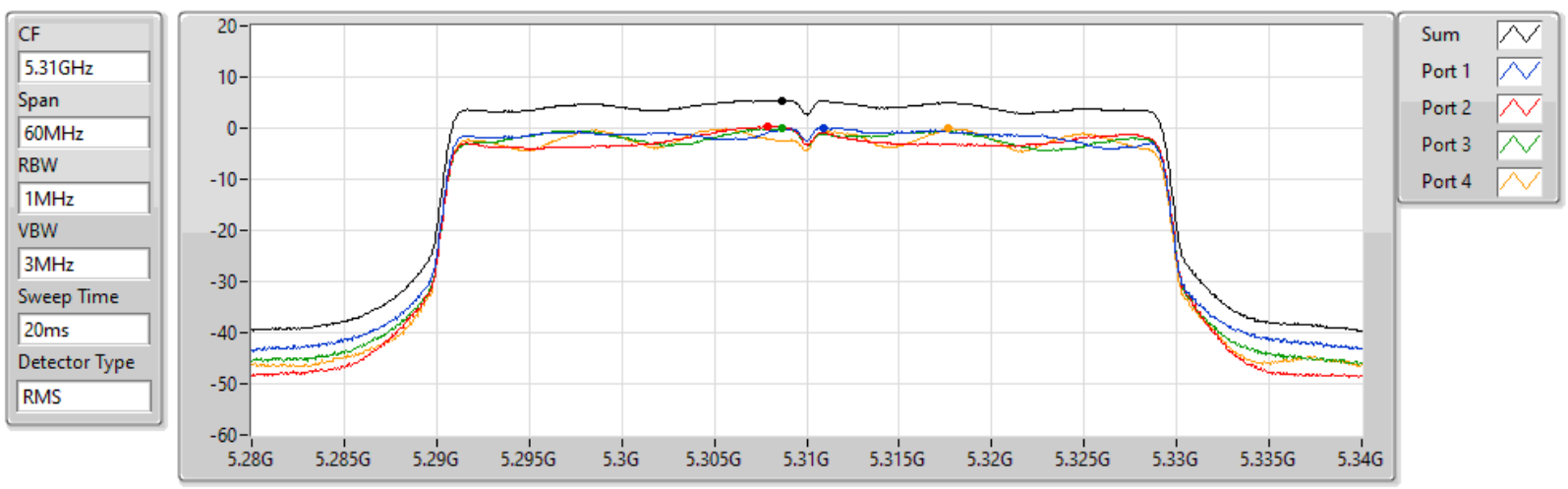


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.21	8.21	2.76	2.84	2.68	2.37

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz



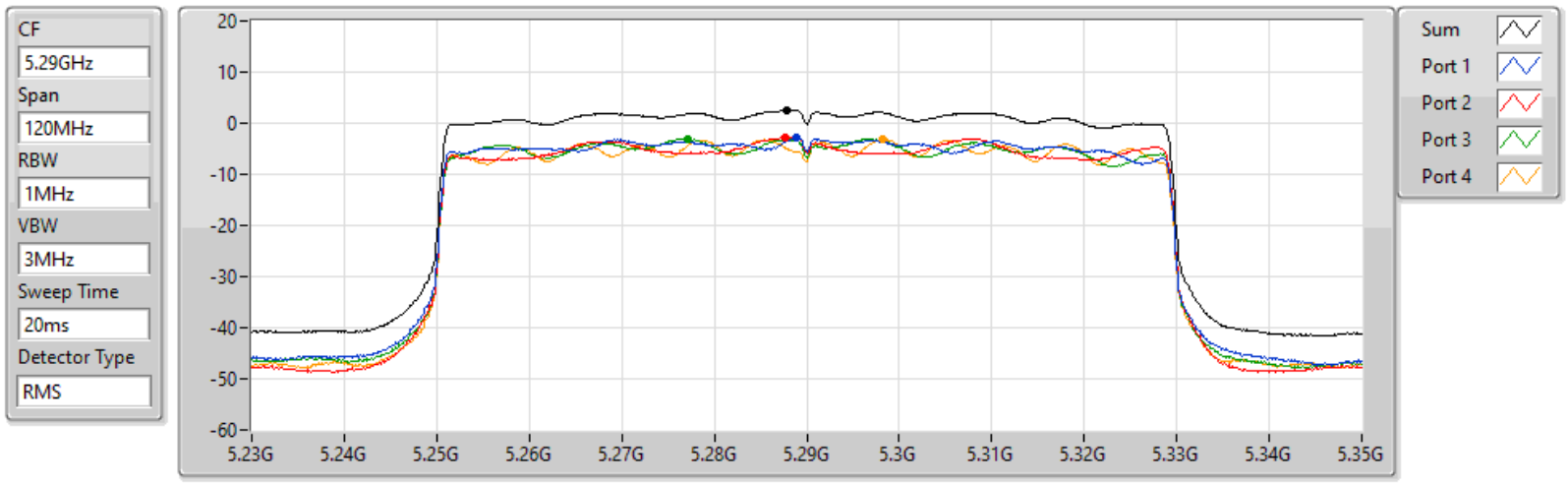
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.45	5.45	0.12	0.36	-0.08	-0.10

802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

08/01/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.52	2.52	-2.90	-2.68	-3.11	-3.12

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	8.23
802.11ax HEW20_Nss1,(MCS0)_4TX	8.24
802.11ax HEW40_Nss1,(MCS0)_4TX	8.24
802.11ax HEW80_Nss1,(MCS0)_4TX	4.54
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	6.07
802.11ax HEW20_Nss1,(MCS0)_4TX	5.90
802.11ax HEW40_Nss1,(MCS0)_4TX	5.54
802.11ax HEW80_Nss1,(MCS0)_4TX	1.26

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	8.67	3.06	1.81	1.80	3.14	7.43	8.33
5580MHz	Pass	8.67	2.79	1.99	1.62	2.61	8.00	8.33
5700MHz	Pass	8.67	2.08	1.82	2.41	1.86	7.05	8.33
5720MHz Straddle 5.47-5.725GHz	Pass	8.67	3.42	2.32	2.83	3.32	8.23	8.33
5720MHz Straddle 5.725-5.85GHz	Pass	8.15	0.05	0.83	0.76	0.72	6.07	27.85
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	8.67	1.76	1.01	1.14	2.36	6.81	8.33
5580MHz	Pass	8.67	2.46	1.90	1.45	2.61	7.81	8.33
5700MHz	Pass	8.67	0.56	-0.88	-0.77	-0.01	5.36	8.33
5720MHz Straddle 5.47-5.725GHz	Pass	8.67	3.18	2.04	2.72	3.04	8.24	8.33
5720MHz Straddle 5.725-5.85GHz	Pass	8.15	1.10	0.65	-0.05	0.74	5.90	27.85
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	8.67	-2.08	-1.77	-2.45	-1.79	3.00	8.33
5550MHz	Pass	8.67	2.52	2.15	2.25	2.32	7.62	8.33
5670MHz	Pass	8.67	-0.09	-1.88	-1.07	-1.06	4.61	8.33
5710MHz Straddle 5.47-5.725GHz	Pass	8.67	3.19	2.01	2.28	2.95	8.24	8.33
5710MHz Straddle 5.725-5.85GHz	Pass	8.15	0.77	-2.13	0.45	-0.28	5.54	27.85
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	8.67	-5.07	-4.96	-5.68	-4.86	-0.28	8.33
5610MHz	Pass	8.67	-3.42	-3.42	-4.04	-3.97	1.36	8.33
5690MHz Straddle 5.47-5.725GHz	Pass	8.67	-0.10	-1.91	-1.18	-1.00	4.54	8.33
5690MHz Straddle 5.725-5.85GHz	Pass	8.15	-3.64	-6.71	-3.64	-4.49	1.26	27.85

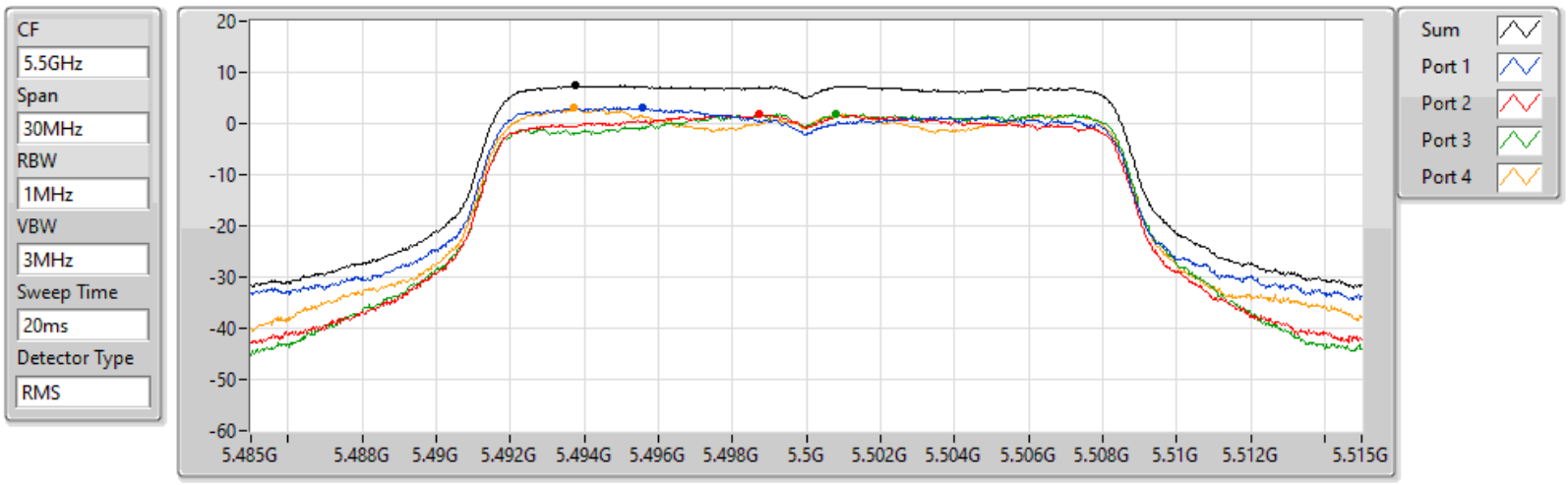
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

08/01/2022



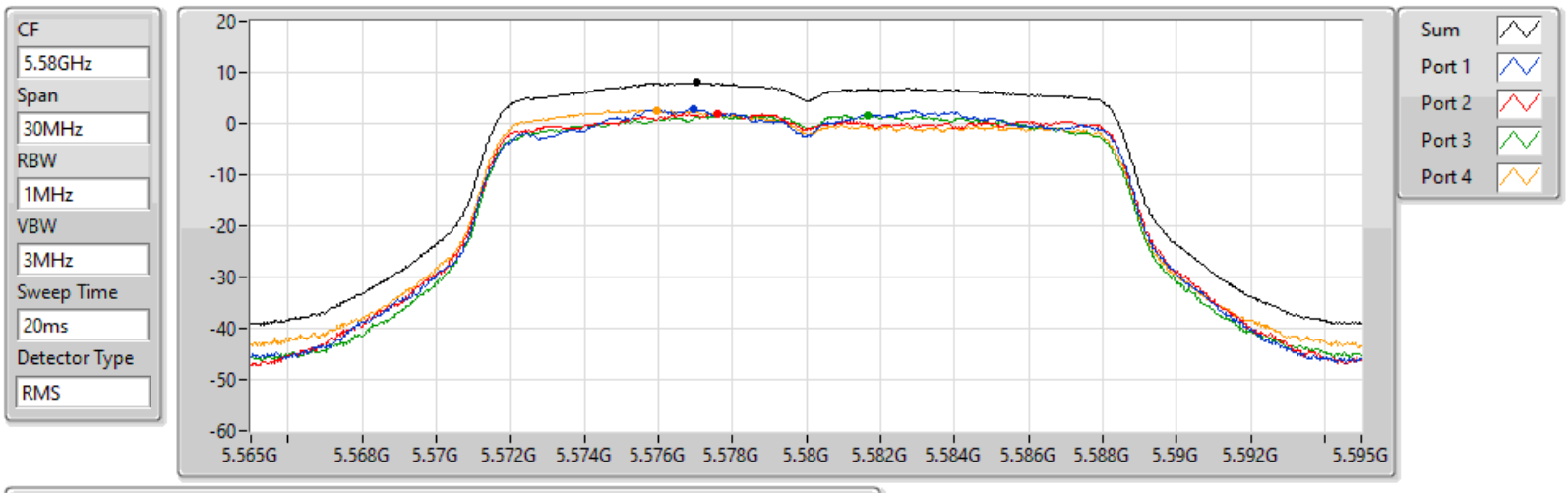
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.43	7.43	3.06	1.81	1.80	3.14

802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

28/03/2022

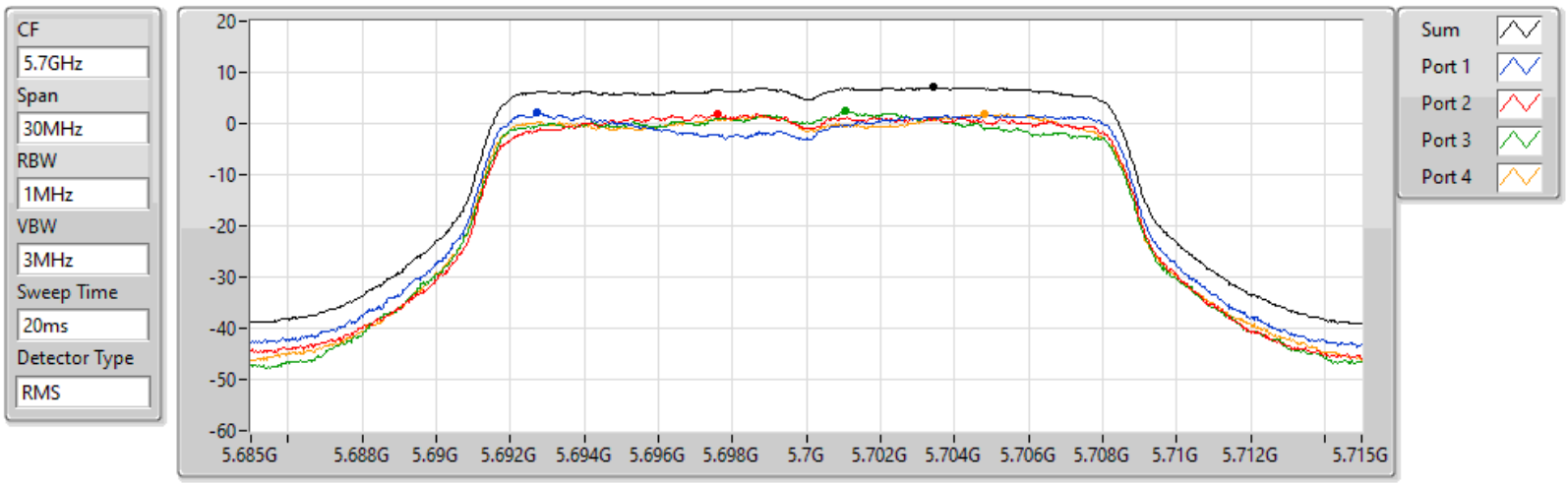


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.00	8.00	2.79	1.99	1.62	2.61

802.11a_Nss1,(6Mbps)_4TX **PSD**

5700MHz

08/01/2022

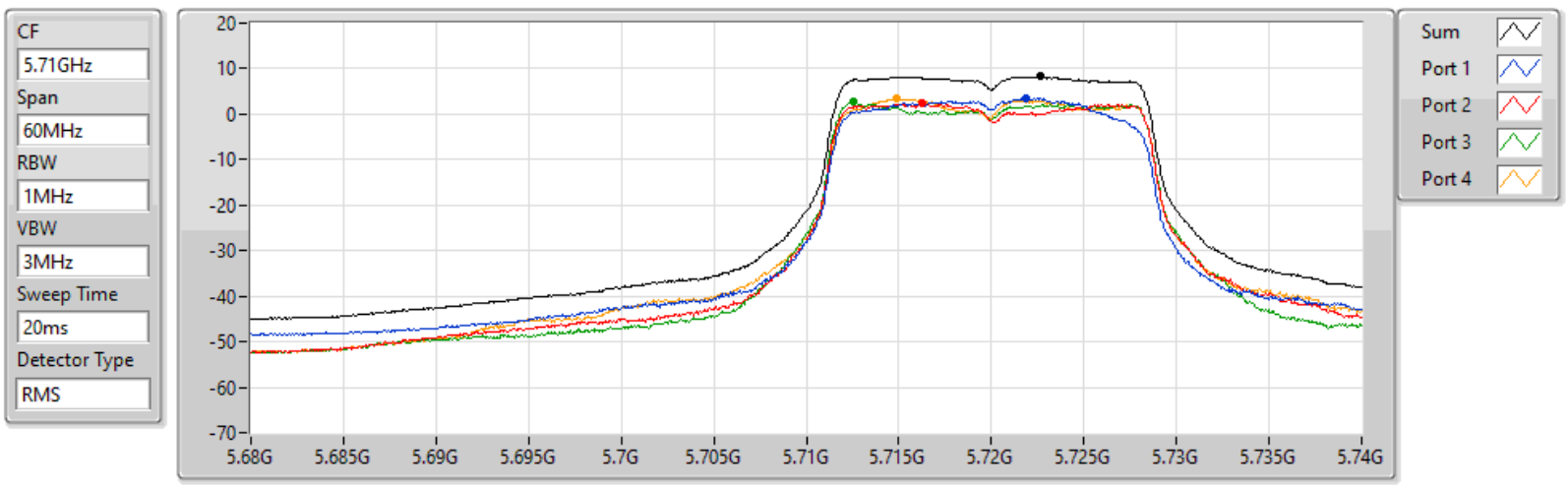


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.05	7.05	2.08	1.82	2.41	1.86

802.11a_Nss1,(6Mbps)_4TX **PSD**

5720MHz Straddle 5.47-5.725GHz

08/01/2022



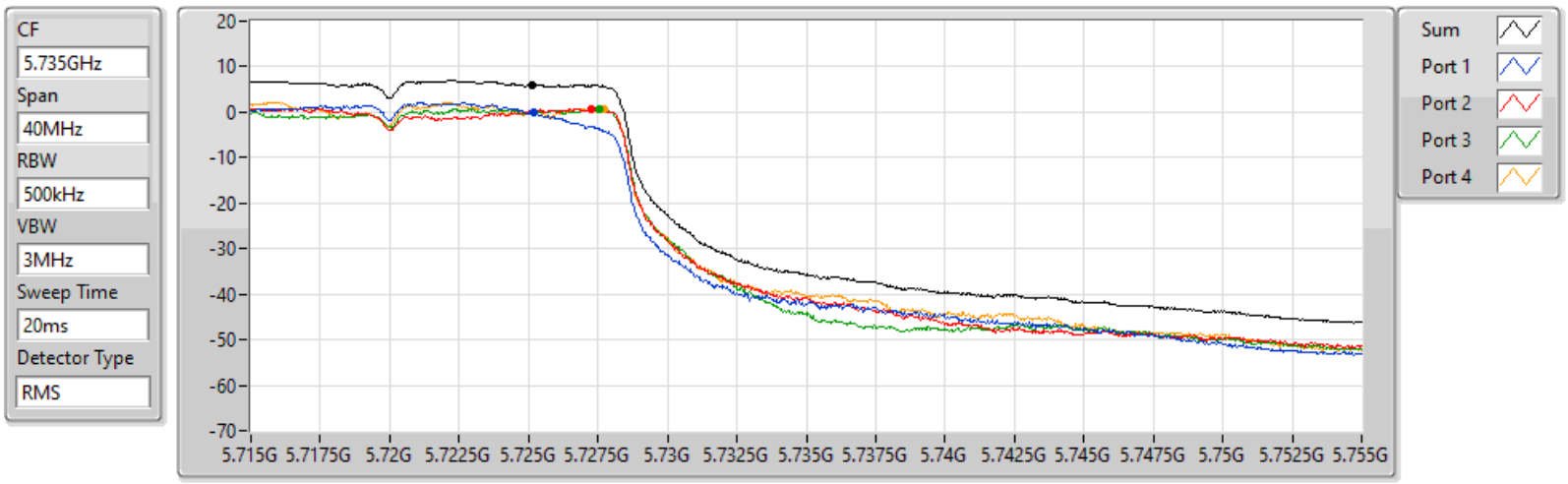
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	3.42	2.32	2.83	3.32

802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

08/01/2022



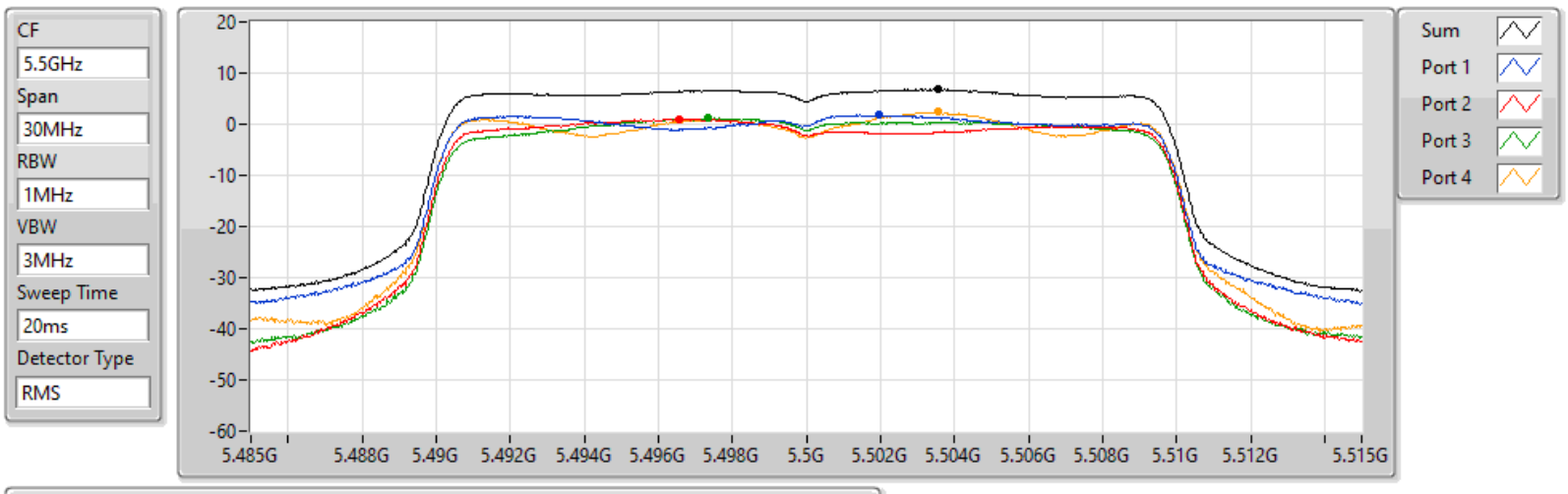
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.07	6.07	0.05	0.83	0.76	0.72

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

08/01/2022



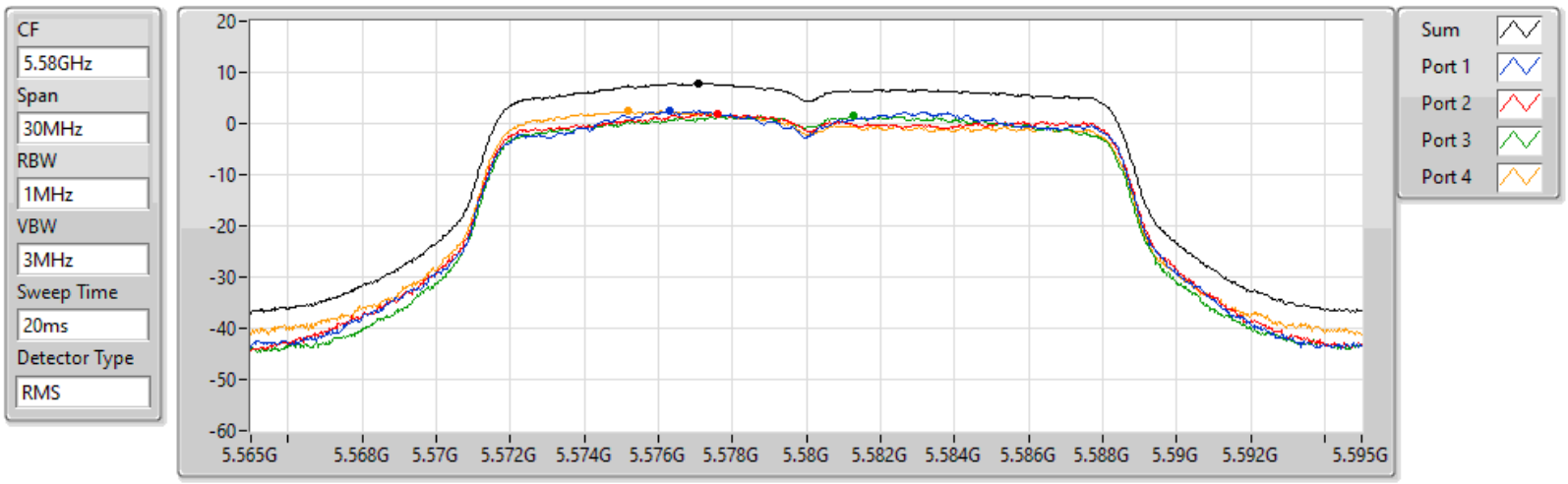
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	1.76	1.01	1.14	2.36

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

28/03/2022



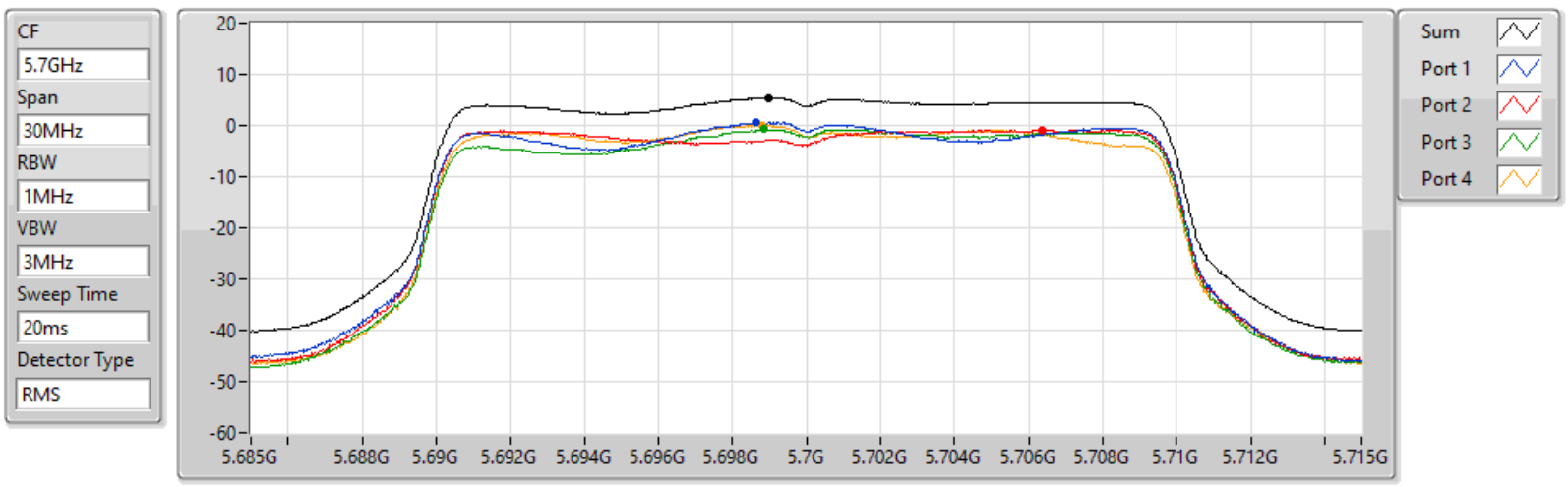
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.81	7.81	2.46	1.90	1.45	2.61

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

08/01/2022



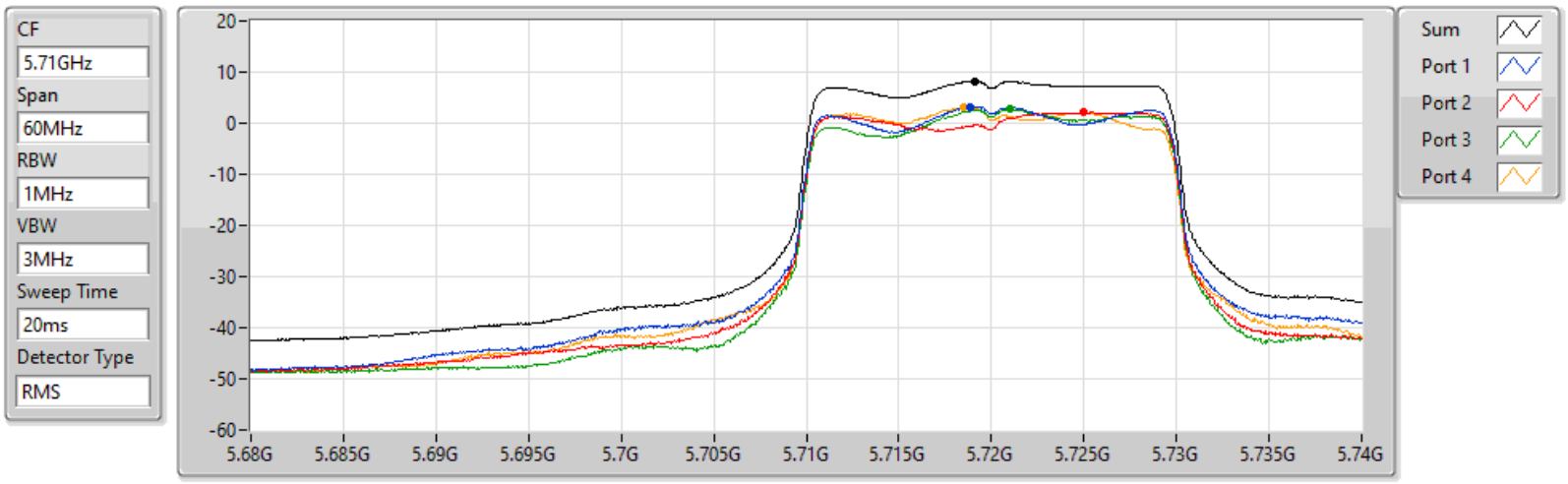
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.36	5.36	0.56	-0.88	-0.77	-0.01

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

08/01/2022



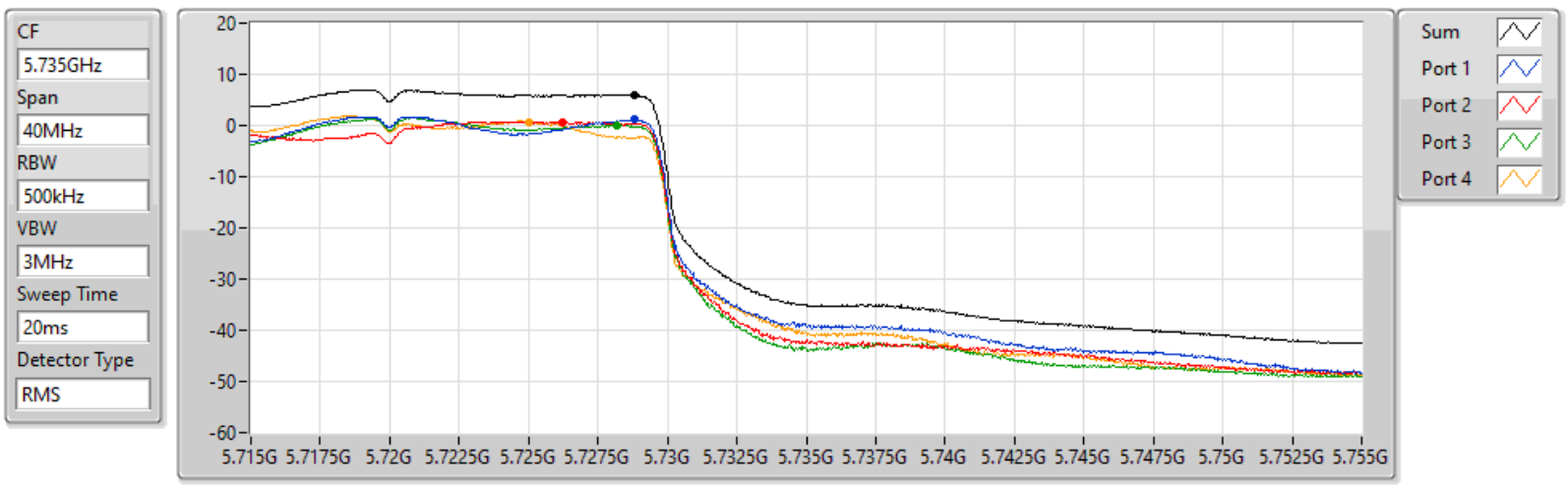
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.24	8.24	3.18	2.04	2.72	3.04

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

08/01/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.90	5.90	1.10	0.65	-0.05	0.74