

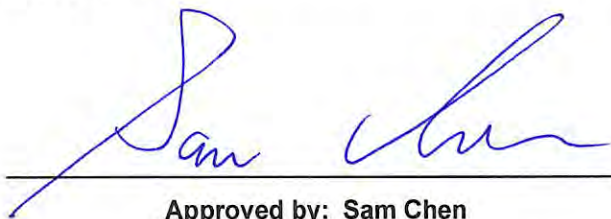


RADIO TEST REPORT

FCC ID : 2AHBN-AP36
Equipment : Wi-Fi 7 Wireless Access Point
Brand Name : Juniper
Model Name : AP36, AP37, AP36M
Applicant : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089
USA
Manufacturer : Juniper Networks, Inc.
1133 Innovation Way Sunnyvale, California 94089
USA
Standard : 47 CFR FCC Part 15.407

The product was received on Jun. 13, 2025, and testing was started from Jun. 19, 2025 and completed on Aug. 20, 2025. 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 C63.10-2020 and shown compliance with the applicable technical standards.

The test results in this 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

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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_1 Ver1.4



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5720	100-144 [12]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80), be (EHT80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160), be (EHT160)	5250	50 [1]
5470-5725		5570	114 [1]

For Radio 1:

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11be EHT20	20	4TX
5.15-5.25GHz	802.11be EHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11be EHT40	40	4TX
5.15-5.25GHz	802.11be EHT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11be EHT80	80	4TX
5.15-5.25GHz	802.11be EHT80-BF	80	4TX
5.15-5.35GHz	802.11ac VHT160	160	4TX
5.15-5.35GHz	802.11ac VHT160-BF	160	4TX
5.15-5.35GHz	802.11ax HEW160	160	4TX
5.15-5.35GHz	802.11ax HEW160-BF	160	4TX
5.15-5.35GHz	802.11be EHT160	160	4TX
5.15-5.35GHz	802.11be EHT160-BF	160	4TX
5.25-5.35GHz	802.11a	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20-BF	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11be EHT20	20	4TX
5.25-5.35GHz	802.11be EHT20-BF	20	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11be EHT40	40	4TX
5.25-5.35GHz	802.11be EHT40-BF	40	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.25-5.35GHz	802.11be EHT80	80	4TX
5.25-5.35GHz	802.11be EHT80-BF	80	4TX
5.47-5.725GHz	802.11a	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20-BF	20	4TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11be EHT20	20	4TX
5.47-5.725GHz	802.11be EHT20-BF	20	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11be EHT40	40	4TX
5.47-5.725GHz	802.11be EHT40-BF	40	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11be EHT80	80	4TX
5.47-5.725GHz	802.11be EHT80-BF	80	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11be EHT160	160	4TX
5.47-5.725GHz	802.11be EHT160-BF	160	4TX
5.725-5.85GHz	802.11a	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20-BF	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11be EHT20	20	4TX
5.725-5.85GHz	802.11be EHT20-BF	20	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11be EHT40	40	4TX
5.725-5.85GHz	802.11be EHT40-BF	40	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11be EHT80	80	4TX
5.725-5.85GHz	802.11be EHT80-BF	80	4TX

For Scanning Radio 3:

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11ax HEW20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ax HEW40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.15-5.25GHz	802.11ax HEW80	80	1TX
5.15-5.35GHz	802.11ac VHT160	160	1TX
5.15-5.35GHz	802.11ax HEW160	160	1TX
5.25-5.35GHz	802.11a	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11ax HEW20	20	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ax HEW40	40	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.25-5.35GHz	802.11ax HEW80	80	1TX
5.47-5.725GHz	802.11a	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11ax HEW20	20	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ax HEW40	40	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW80	80	1TX
5.47-5.725GHz	802.11ac VHT160	160	1TX
5.47-5.725GHz	802.11ax HEW160	160	1TX
5.725-5.85GHz	802.11a	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ax HEW20	20	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ax HEW40	40	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11ax HEW80	80	1TX

MRU (static preamble puncturing)
For Multi_RU/Puncturing:

RU-tone	Configuration	Bandwidth (MHz)				5GHz Test CH					
						UNII-1	UNII-2A	UNII-2C		UNII2C/3	UNII-3
		80				CH42	CH58	CH106	CH122	CH138	CH155
484+242	1		242	484		--	V	--	V	V	V
	2	242		484		V	V	V	V	V	V
	3	484			242	V	V	V	V	V	V
	4	484	242			V	--	V	V	--	V

RU-tone	Configuration	Bandwidth (MHz)				5GHz Test CH	
						UNII-1/2A	UNII-2C
		160				CH50	CH114
996+484	1		484		996	--	V
	2	484			996	V	V
	3		996			V	V
	4		996	484		V	--
996+484+242	1		242	484	996	--	V
	2	242		484	996	V	V
	3	484			996	V	V
	4	484	242		996	V	V
	5		996			242	484
	6		996		242		484
	7		996		484		242
	8		996		484	242	

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, 1024QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 and EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Worst case of MRU(static preamble puncturing) evaluation procedure

1. Complete test Full RU BE & PSD
2. Measure the PSD of each MRU(static preamble puncturing) by conducted method and it is less than the Full RU conducted PSD.
3. Measure the Band edge emission of each MRU(static preamble puncturing) by conducted method and find out the MRU(static preamble puncturing) worst case configuration.
4. Follow step 3 to find the worst MRU(static preamble puncturing) configuration and perform radiated BE/RSE testing
5. Confirm whether the worst MRU(static preamble puncturing) configuration setting in step 3 and step 4 is the same. If there is a channel where the setting drops due to the test in step 4, the PSD of MRU(static preamble puncturing) needs to be reduced.

1.1.3 Antenna Information

<For EUT 1>

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	Juniper	AP36	PIFA	I-PEX	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)
2	2	Juniper	AP36	PIFA	I-PEX		
3	3	Juniper	AP36	PIFA	I-PEX		
4	4	Juniper	AP36	PIFA	I-PEX		
5	1	Juniper	AP36	Alford loop	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	2	Juniper	AP36	Alford loop	I-PEX		
7	3	Juniper	AP36	Alford loop	I-PEX		
8	4	Juniper	AP36	Alford loop	I-PEX		
9	1	Juniper	AP36	PIFA	I-PEX		WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
10	1	Juniper	AP36	PIFA	I-PEX	4.3	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP36	PIFA	I-PEX	4.6	Bluetooth (Radio 4)
12	1	Juniper	AP36	PIFA	I-PEX	4.8	GPS (Radio 5)

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 2)			WLAN 5GHz UNII 1-3 (Radio 1)					
	2.45GHz			5.2GHz	5.3GHz	5.6GHz	5.785GHz		
1	4.05			3.21	3.24	4.11		4.4	
2	3.39			3.48	3.74	5.48		5.39	
3	-			3.64	3.79	3.56		3.47	
4	-			4.60	4.98	3.74		4.32	
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz			6.475GHz	6.695GHz		6.995GHz		
5	3.50			4.84	4.27		4.47		
6	4.49			5.36	3.76		5.35		
7	2.59			4.25	3.36		3.65		
8	4.04			5.27	3.69		4.18		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	4.05	3.36	3.45	4.41	4.2	4.22	4.16	4.78	4.89



Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	5.38			
2T2S	4.05			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
4T1S	7.24	8.01	8.66	8.48
4T2S	4.60	5.01	5.66	5.48
4T4S	4.60	4.98	5.48	5.39
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
4T1S	8.56	9.91	8.62	9.51
4T2S	5.56	6.91	5.62	6.51
4T4S	4.49	5.36	4.27	5.35

Note 2: The above information (excepting Ant. 1-9 antenna gain and directional gain) was declared by Manufacturer.

Note 3: Radio 0-3: Maximum Directional Gain following KDB662911 D03.

For Radio 0:

6GHz (UNII 5-8) IEEE 802.11ax/be 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 1:

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be 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 2:

2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3(Scanning radio):

2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX/1RX)

5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax mode (1TX/1RX)

6GHz (UNII 5-8) IEEE 802.11ax mode (1TX/1RX)

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

For Radio 4:

Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)

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

For Radio 5:

GPS (1RX)

Only Port 1 can be used as receiving antenna.

<For EUT 2>

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	Juniper	AP37	PIFA	I-PEX	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)
2	2	Juniper	AP37	PIFA	I-PEX		
3	3	Juniper	AP37	PIFA	I-PEX		
4	4	Juniper	AP37	PIFA	I-PEX		
5	1	Juniper	AP37	Alford loop	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	2	Juniper	AP37	Alford loop	I-PEX		
7	3	Juniper	AP37	Alford loop	I-PEX		WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
8	4	Juniper	AP37	Alford loop	I-PEX		
9	1	Juniper	AP37	PIFA	I-PEX		
10	1	Juniper	AP37	PIFA	I-PEX	3.5	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP37	PIFA	I-PEX	Beam 1-8: 4.2 Omni: 0.7	Bluetooth array [Beam 1-8/Omni] (Radio 4)
12	1	Juniper	AP37	Patch	I-PEX	2.7	Bluetooth array [Beam 9] (Radio 4)
13	1	Juniper	AP37	PIFA	I-PEX	3.7	GPS (Radio 5)



Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 2)			WLAN 5GHz UNII 1-3 (Radio 1)					
	2.45GHz			5.2GHz	5.3GHz	5.6GHz	5.785GHz		
1	3.15			3.09	3.28	3.42	3.32		
2	2.60			3.38	3.47	3.16	3.26		
3	-			3.34	3.19	3.25	3.21		
4	-			3.72	4.2	5.4	5.36		
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
5	5.29		6.17		5.78		6.15		
6	4.86		5.02		4.43		5.11		
7	4.02		4.62		3.51		4.29		
8	5.39		5.78		5.57		5.07		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	3.47	2.57	2.33	3.34	2.81	3.06	4.15	3.87	4.85

Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
	3.21			
2T1S	3.21			
2T2S	3.15			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
	6.69	6.64	6.89	7.69
4T1S	6.69	6.64	6.89	7.69
4T2S	3.72	4.20	5.40	5.36
4T4S	3.72	4.20	5.40	5.36
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	8.56	10.00	9.42	10.66
4T1S	8.56	10.00	9.42	10.66
4T2S	5.56	7.00	6.42	7.66
4T4S	5.39	6.17	5.78	6.15

Note 2: The above information (excepting Ant. 1-9 antenna gain and directional gain) was declared by Manufacturer.

Note 3: Radio 0-3: Maximum Directional Gain following KDB662911 D03.

Note 4: The EUT is equipped with thirteen internal antennas.

The ant.11 is BLE array (Beam 1-Beam 8/Omni).

The ant.12 is BLE array (Beam 9).

Beam 1-Beam 8, Omni, and Beam 9 can't operate simultaneously.

**For Radio 0:****6GHz (UNII 5-8) IEEE 802.11ax/be 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 1:**5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be 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 2:**2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3(Scanning radio):**2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX/1RX)****5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax mode (1TX/1RX)****6GHz (UNII 5-8) IEEE 802.11ax mode (1TX/1RX)**

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

For Radio 4:**Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)**

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

For Radio 5:**GPS (1RX)**

Only Port 1 can be used as receiving antenna.



<For EUT 3>

Internal Ant.

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	Juniper	AP36M	Dipole	I-PEX	Note 1	WLAN 2.4GHz (Radio 2) WLAN 5GHz UNII 1-3 (Radio 1)
2	2	Juniper	AP36M	Dipole	I-PEX		
3	3	Juniper	AP36M	Patch	I-PEX		
4	4	Juniper	AP36M	Patch	I-PEX		
5	1	Juniper	AP36M	Patch	I-PEX		WLAN 6GHz UNII 5-8 (Radio 0)
6	2	Juniper	AP36M	Patch	I-PEX		
7	3	Juniper	AP36M	Patch	I-PEX		
8	4	Juniper	AP36M	Patch	I-PEX		
9	1	Juniper	AP36M	PIFA	I-PEX	Note 1	WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)
10	1	Juniper	AP36M	Dipole	I-PEX	6.6	802.15.4 (Zigbee, Thread) (Radio 4)
11	1	Juniper	AP36M	PIFA	I-PEX	4.6	Bluetooth (Radio 4)
12	1	Juniper	AP36M	PIFA	I-PEX	4.4	GPS (Radio 5)



Note 1:

Notes 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 2)			WLAN 5GHz UNII 1-3 (Radio 1)					
	2.45GHz			5.2GHz	5.3GHz	5.6GHz		5.785GHz	
1	6.52			3.62	4.13	3.78		3.75	
2	6.07			3.29	3.51	4.29		4.27	
3	-			3.61	4.41	5.67		4.86	
4	-			3.93	4.55	5.72		5.62	
Ant.	WLAN 6GHz UNII 5-8 (Radio 0)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
5	5.12		5.82		3.88		5.21		
6	5.84		6.27		4.17		5.08		
7	5.57		5.74		4.23		4.99		
8	4.74		4.6		4.57		4.34		
Ant.	Scanning radio (Radio 3)								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
9	5.12	2.84	3.5	4.28	3.75	3.74	3.42	2.95	3.57

Directional Gain (dBi)				
Item	WLAN 2.4GHz (Radio 2)			
	2.45GHz			
2T1S	6.52			
2T2S	6.52			
Item	WLAN 5GHz UNII 1-3 (Radio 1)			
	5.2GHz	5.3GHz	5.6GHz	5.785GHz
4T1S	5.72	6.05	7.24	6.79
4T2S	3.93	4.55	5.72	5.62
4T4S	3.93	4.55	5.72	5.62
Item	WLAN 6GHz UNII 5-8 (Radio 0)			
	6.175GHz	6.475GHz	6.695GHz	6.995GHz
4T1S	8.76	9.31	8.26	8.09
4T2S	5.84	6.31	5.26	5.21
4T4S	5.84	6.27	4.57	5.21

Note 1: The above information (excepting Ant. 1-9 antenna gain and directional gain) was declared by Manufacturer.

Note 2: Radio 0-3: Maximum Directional Gain following KDB662911 D03.

Note 3: The EUT is equipped with twelve internal antennas.

**External Ant.**

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	AccelTex	ATS-OP-24 56-81010-1 0MPC-36	Patch	4-Port Samtec	Note 1	WLAN 2.4GHz (Radio 2)
	2						WLAN 5GHz UNII 1-3 (Radio 1)
	3						
	4						
	1				6-Port Samtec		WLAN 6GHz UNII 5-8 (Radio 0)
	2						
	3						
	4						
	1						WLAN 2.4GHz WLAN 5GHz UNII 1-3 WLAN 6GHz UNII 5-8 (Radio 3)

Note 1:

Ant.	Antenna Gain (dBi)			
	WLAN 2.4GHz (Radio 2)		WLAN 5GHz UNII 1-3 (Radio 1)	
1	2.4GHz		5GHz	
	8		10	
	WLAN 6GHz UNII 5-8 (Radio 0)		Scanning radio (Radio 3)	
	6GHz		2.4GHz	5GHz
	10		8	10

Note 2: The 6GHz function in the external antenna is not enabled at this time.

Note 3: The WiFi internal and external antennas do not operate at the same time.

Note 4: Antenna 1 is cross-polarized, with detailed information as follows:

Radio 0, 1: Vertical*2, Horizontal*2; the array gain only add 10log(2).

Radio 2: Vertical*1, Horizontal*1; it doesn't need to evaluate the array gain.

Note 5: The above information was declared by manufacturer.

Note 5: Directional gain information

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$	$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

$$Directional\ Gain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ant}} \left[\sum_{k=1}^{N_{ant}} g_{j,k} \right]^2}{N_{ANT}} \right]$$

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

Cross-Polarized Antenna

Radio 2

$$G1 = 8 \text{ dBi} ; G2 = 8 \text{ dBi} ; DG = 8 \text{ dBi}$$

Radio 1

$$5G \text{ UNII-1 } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-2A } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-2C } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

$$5G \text{ UNII-3 } G1 = 10 \text{ dBi} ; G2 = 10 \text{ dBi} ; G3 = 10 \text{ dBi} ; G4 = 10 \text{ dBi} ; DG = 13.01 \text{ dBi}$$

**For Radio 0:****6GHz (UNII 5-8) IEEE 802.11ax/be 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 1:**5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax/be 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 2:**2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (2TX/2RX)**

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3(Scanning radio):**2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX/1RX)****5GHz (UNII 1-3) IEEE 802.11a/n/ac/ax mode (1TX/1RX)****6GHz (UNII 5-8) IEEE 802.11ax mode (1TX/1RX)**

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

For Radio 4:**Bluetooth and 802.15.4(Zigbee, Thread) mode (1TX/1RX)**

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

For Radio 5:**GPS (1RX)**

Only Port 1 can be used as receiving antenna.

1.1.4 Mode Test Duty Cycle**For Full RU****<For EUT 1>****For Radio 1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
	0.544	2.64	131.25u	10k
802.11be EHT20_Nss 1,(M0)	0.91	0.41	325u	5k
802.11be EHT40_Nss 1,(M0)	0.906	0.43	309.375u	5k
802.11be EHT80_Nss 1,(M0)	0.905	0.43	300u	5k
802.11be EHT160_Nss 1,(M0)	0.904	0.44	293.75u	5k
802.11be EHT20-BF_Nss 1,(M0)	0.544	2.64	325u	5k
802.11be EHT40-BF_Nss 1,(M0)	0.91	0.41	309.375u	5k
802.11be EHT80-BF_Nss 1,(M0)	0.906	0.43	300u	5k
802.11be EHT160-BF_Nss 1,(M0)	0.905	0.43	293.75u	5k

For Scanning Radio 3

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.535	2.72	130u	10k
802.11ax HEW20_Nss 1,(M0)	0.904	0.44	315u	10k
802.11ax HEW40_Nss 1,(M0)	0.936	0.29	662.5u	3k
802.11ax HEW80_Nss 1,(M0)	0.932	0.31	612.5u	3k
802.11ax HEW160_Nss 1,(M0)	0.898	0.47	290.938u	5k

**<For EUT 3>****For Internal Ant. / Radio 1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a	0.552	2.58	128.25u	10k
802.11be EHT20	0.92	0.36	322u	10k
802.11be EHT40	0.897	0.47	304.25u	10k
802.11be EHT80	0.898	0.47	294.75u	10k
802.11be EHT160	0.898	0.47	290.75u	10k
802.11be EHT20-BF	0.92	0.36	322u	10k
802.11be EHT40-BF	0.897	0.47	304.25u	10k
802.11be EHT80-BF	0.898	0.47	294.75u	10k
802.11be EHT160-BF	0.898	0.47	290.75u	10k

For Internal Ant. / Scanning Radio 3

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.531	2.75	128.437u	10k
802.11ax HEW20_Nss 1,(M0)	0.901	0.45	314.063u	5k
802.11ax HEW40_Nss 1,(M0)	0.903	0.44	310u	5k
802.11ax HEW80_Nss 1,(M0)	0.898	0.47	287.812u	5k
802.11ax HEW160_Nss 1,(M0)	0.9	0.46	291.562u	5k

For External Ant. / Radio 1

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a	0.525	2.8	128.344u	10k
802.11be EHT20	0.903	0.44	322.188u	5k
802.11be EHT40	0.9	0.46	304.375u	5k
802.11be EHT80	0.898	0.47	295u	5k
802.11be EHT160	0.895	0.48	290.938u	5k
802.11be EHT20-BF	0.903	0.44	322.188u	5k
802.11be EHT40-BF	0.9	0.46	304.375u	5k
802.11be EHT80-BF	0.898	0.47	295u	5k
802.11be EHT160-BF	0.895	0.48	290.938u	5k

For External Ant. / Scanning Radio 3

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a	0.533	2.73	129.375u	10k
802.11ax HEW20	0.906	0.43	314.375u	10k
802.11ax HEW40	0.905	0.43	310.625u	10k
802.11ax HEW80	0.901	0.45	287.5u	10k
802.11ax HEW160	0.902	0.45	291.25u	10k

**For Multi_RU/Puncturing****<For EUT 1>****For Radio 1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484	0.967	0.15	998.75u	2k

<For EUT 3>**For Internal Ant. / Radio 1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss1,(MCS0),RU996+RU484	0.967	0.15	998.75u	2k

For External Ant. / Radio 1

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242	0.967	0.15	998.75u	2k
802.11be EHT160_Nss1,(MCS0),RU996+RU484	0.967	0.15	998.75u	2k

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 Radio 0 (ax/be in 6GHz) and Radio 1 (n/ac/ax/be in 5GHz), Radio 2 (n/VHT/ax/be in 2.4GHz).			
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
Channel Puncturing Function	☒	Supported Static Puncturing for Radio 1		
	☐	Supported Dynamic Puncturing (Reduce BW)		
	☒	Unsupported for Scanning Radio 3		
Support RU	☒	Full RU for Radio 1 and Scanning Radio 3	☒	Partial RU for Radio 1
Test Software Version	accessMtool 3.0.0.8			

Note: The above information was declared by manufacturer.

1.1.6 Table for Multiple Listing

EUT	Model Name	6GHz (6ID)	6GHz (6SD)	Wi-Fi Antenna	802.15.4 Antenna	BT Antenna	GPS Antenna
1	AP36	Support	Support	Internal antenna (AP36/AP37 the same)	AP36/AP37 the same	AP36/AP36M the same	the same
2	AP37	Support	Support	Internal antenna (AP36/AP37 the same)	AP36/AP37 the same	Not the same	the same
3	AP36M	Internal Antenna: Support External Antenna: Not support	Internal Antenna: Support External Antenna: Support	Internal Antenna (Not the same) External Antenna	Not the same	AP36/AP36M the same	the same

Note 1: All models are identical to each other in all aspects except for the listing table.

Note 2: The WLAN 6GHz (6SD) function is not enabled at this time.

Note 3: The above information was declared by manufacturer.

Note 4: Based on the differences shown in the table above, all models were selected for AC power-line conducted emissions, radiated emissions below 1 GHz and radiated Co-location testing. The models selected for the remaining test items are shown in the table below.

Radio \ Model	AP36 (EUT 1)	AP37 (EUT 2)	AP36M (EUT 3)
0 (6GHz)	N/A	Yes (Note 5)	Yes (Internal antenna)
1 (5GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
2 (2.4GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
3 (Scanning radio 2.4/5/6GHz)	Yes (Note 5)	N/A	Yes (Internal&External antenna)
4 (802.15.4 (Zigbee, Thread))	Yes (Note 6)	Yes (Note 6)	Yes
4 (Bluetooth)	Yes (Note 7)	Yes	Yes (Note 7)

Note 5: The worst case was selected from EUT 1 and EUT 2 for testing.

Note 6:

For RF radiated emissions: EUT 1 and EUT 2 were selected for testing.

For RF conducted emissions: Only the highest gain antenna from EUT 1 and EUT 2 was selected for testing.

Note 7:

For RF radiated emissions: EUT 1 and EUT 3 were selected for testing.

For RF conducted emissions: Only the highest gain antenna from EUT 1 and EUT 3 was selected for testing.

1.1.7 Table for Radio Function

For EUT 1~3:

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	802.15.4 (Zigbee, Thread)	GPS
0	-	-	V (UNII 5~8)	-	-	-
1	-	V (UNII 1-3)	-	-	-	-
2	V	-	-	-	-	-
3 (Scanning radio)	V	V (UNII 1-3)	V (UNII 5~8)	-	-	-
4	-	-	-	V	V	-
5	-	-	-	-	-	V

Note 1: For WLAN 2.4GHz: The Radio 2 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 5GHz: The Radio 1 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

For WLAN 6GHz: The Radio 0 and Radio 3 (Scanning radio) can't operate at the same frequency simultaneously.

Note 2: The above information was declared by manufacturer.



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 C63.10-2020
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ 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	ADD: No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)
(TAF: 3787)	TEL: 886-3-656-9065 FAX: 886-3-656-9085
	Test site Designation No. TW3787 with FCC.
	Conformity Assessment Body Identifier (CABID) TW3787 with ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (EUT 1 / 3: others)	TH02-CB	Gino Huang	21.3~22.5 / 58~61	Jun. 19, 2025~ Aug. 13, 2025
RF Conducted (EUT 3: External Ant.)	TH02-CB	Ken Yeh	21.3~22.5 / 58~61	Jun. 19, 2025~ Aug. 13, 2025
Radiated below 1GHz	10CH01-CB	Ryan Huang	23~24 / 56~57	Jul. 23, 2025~ Aug. 04, 2025
Radiated above 1GHz (EUT 1)	03CH01-CB 03CH03-CB	Gordon Hung	21.3~22.3 / 58~61 21.6~23.1 / 58~62	Jun. 19, 2025~ Jul. 22, 2025
Radiated above 1GHz (EUT 3)	03CH04-CB 03CH01-CB 03CH02-CB	Gordon Hung	21.4~22.6 / 57~61 21.3~22.3 / 58~61 21.5~23.3 / 58~61	Jun. 19, 2025~ Jul. 22, 2025
Radiated above 1GHz (Co-location)	03CH04-CB	Gordon Hung	21.4~22.6 / 57~61	Aug. 20, 2025
AC Conduction	CO02-CB	Elvin Yeh	22~23 / 55~56	Jul. 31, 2025~ Aug. 06, 2025



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Full RU
<For EUT 1>
For Radio 1

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz



5795MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz



5250MHz Straddle 5.25-5.35GHz
5570MHz

For Scanning Radio 3

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5210MHz
5290MHz



5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz



<For EUT 3>

For Internal Ant. / Radio 1

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz



5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz

**For Internal Ant. / Scanning Radio 3**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz



5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz

For External Ant. / Radio 1

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz



5795MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz



5250MHz Straddle 5.25-5.35GHz
5570MHz

For External Ant. / Scanning Radio 3

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5210MHz
5290MHz



5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz

For Multi_RU/Puncturing**<For EUT 1>****For Radio 1**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 6_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz



<For EUT 3>

For Internal Ant. / Radio 1

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 6_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 6_4TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX
5570MHz

For External Ant. / Radio 1

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_4TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 7_4TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 4_4TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 7_4TX
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 4_4TX



5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 5_4TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX
5570MHz

Note:

- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.
- ♦ 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	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
2	EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
3	EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
Mode 2 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: 802.15.4(TX)+R5: GPS+PoE
5	EUT 1_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: 802.15.4(RX)+R5: GPS+PoE
6	EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
7	EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
8	EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
Mode 8 has been evaluated to be the worst case among Mode 6~8, thus measurement for Mode 9~10 will follow this same test mode.	
9	EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: 802.15.4(TX)+R5: GPS+PoE
10	EUT 2_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: 802.15.4(RX)+R5: GPS+PoE
11	EUT 3 (External Ant.)_R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
12	EUT 3 (External Ant.)_R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
Mode 12 has been evaluated to be the worst case among Mode 11~12, thus measurement for Mode 13~14 will follow this same test mode.	
13	EUT 3 (External Ant.)_R1: 5GHz+R2: 2.4GHz+R3: 5GHz+ R4: 802.15.4(TX)+ R5: GPS+PoE
14	EUT 3 (External Ant.)_R1: 5GHz+R2: 2.4GHz+R3: 5GHz+ R4: 802.15.4(RX)+ R5: GPS+PoE
Mode 12 has been evaluated to be the worst case among Mode 11~14, thus measurement for Mode 15~17 will follow this same test mode.	
15	EUT 3 (Internal Ant.)_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
16	EUT 3 (Internal Ant.)_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
17	EUT 3 (Internal Ant.)_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
For operating mode 12 is the worst case and it was record in this test report.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
1	EUT 1: R1
2	EUT 1: R3
3	EUT 3 (Internal Ant.): R1
4	EUT 3 (Internal Ant.): R3
5	EUT 3 (External Ant.): R1
6	EUT 3 (External Ant.): R3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT 1: R1
2	EUT 1: R3
3	EUT 3 (Internal Ant.): R1
4	EUT 3 (Internal Ant.): R3
5	EUT 3 (External Ant.): R1
6	EUT 3 (External Ant.): R3
7	Multi_RU/Puncturing_EUT 1: R1
8	Multi_RU/Puncturing_EUT 3 (Internal Ant.): R1
9	Multi_RU/Puncturing_EUT 3 (External Ant.): R1



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	Normal Link
After evaluating, the worst case was found at Z axis, so it was selected to perform test and its test result was written in the report.	
1	EUT 1 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
2	EUT 1 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
3	EUT 1 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT 1 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: 802.15.4(TX)+R5: GPS+PoE
5	EUT 1 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: 802.15.4(RX)+R5: GPS+PoE
6	EUT 2 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
7	EUT 2 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
8	EUT 2 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
Mode 6 has been evaluated to be the worst case among Mode 6~8, thus measurement for Mode 9~10 will follow this same test mode.	
9	EUT 2 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: 802.15.4(TX)+R5: GPS+PoE
10	EUT 2 in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: 802.15.4(RX)+R5: GPS+PoE
11	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
12	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
Mode 11 has been evaluated to be the worst case among Mode 11~12, thus measurement for Mode 13~14 will follow this same test mode.	
13	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+ R4: 802.15.4(TX)+ R5: GPS+PoE
14	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+ R4: 802.15.4(RX)+ R5: GPS+PoE
Mode 11 has been evaluated to be the worst case among Mode 11~14, thus measurement for Mode 15~17 will follow this same test mode.	
15	EUT 3 (Internal Ant.) in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz+R4: Bluetooth+R5: GPS+PoE
16	EUT 3 (Internal Ant.) in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 5GHz+R4: Bluetooth+R5: GPS+PoE
17	EUT 3 (Internal Ant.) in Z axis_R0: 6GHz+R1: 5GHz+R2: 2.4GHz+R3: 6GHz+R4: Bluetooth+R5: GPS+PoE
For operating mode 15 is the worst case and it was record in this test report.	



Operating Mode > 1GHz	CTX
After evaluating, the worst-case axis was found as below. So the measurement will follow this same test configuration.	
1	EUT 1 in Z axis: R1
2	EUT 1 in Y axis: R3
3	EUT 3 (Internal Ant.) in Y axis: R1
4	EUT 3 (Internal Ant.) in Y axis: R3
5	EUT 3 (External Ant.) in Z axis: R1
6	EUT 3 (External Ant.) in Y axis: R3
7	Multi_RU/Puncturing_EUT 1 in Z axis: R1
8	Multi_RU/Puncturing_EUT 3 (Internal Ant.) in Y axis: R1
9	Multi_RU/Puncturing_EUT 3 (External Ant.) in Z axis: R1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, the worst-case axis was found as below. So the measurement will follow this same test configuration.	
1	EUT 1 in Z axis_R1: 5GHz+R2: 2.4GHz
2	EUT 3 (Internal Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz
3	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 2.4GHz
4	EUT 3 (External Ant.) in Z axis_R1: 5GHz+R2: 2.4GHz+R3: 5GHz
For operating mode 2 is the worst case and it was record in this test report.	
Refer to Appendix F for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 2.4GHz+R4 Bluetooth
2	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 5GHz+R4 Bluetooth
3	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 6GHz+R4 Bluetooth
4	EUT 2: R0 WLAN 6GHz+R4 Bluetooth+ EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 2.4GHz
5	EUT 2: R0 WLAN 6GHz+R4 Bluetooth+ EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 5GHz
6	EUT 2: R0 WLAN 6GHz+R4 Bluetooth+ EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 6GHz
7	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+ R2 WLAN 2.4GHz+R3 WLAN 2.4GHz+R4 802.15.4
8	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 5GHz+R4 802.15.4
9	EUT 2: R0 WLAN 6GHz+ EUT 1: R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN 6GHz+R4 802.15.4
10	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 Bluetooth
11	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 5GHz+R3 WLAN5GHz+R4 Bluetooth
12	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 6GHz+R3 WLAN6GHz+R4 Bluetooth
13	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 802.15.4
14	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 802.15.4
15	EUT 3 (Internal Ant.): R0 WLAN 6GHz+R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN6GHz+R4 802.15.4
16	EUT 3 (External Ant.): R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 Bluetooth
17	EUT 3 (External Ant.): R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 Bluetooth
18	EUT 3 (External Ant.): R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN2.4GHz+R4 802.15.4
19	EUT 3 (External Ant.): R1 WLAN 5GHz+R2 WLAN 2.4GHz+R3 WLAN5GHz+R4 802.15.4
Refer to Sporton Test Report No.: FA561106 for Co-location RF Exposure Evaluation.	



Note1: R means Radio.

Note2: The PoE is used for testing purpose; it will not be sold with the EUT

Power	Brand Name	Model Name
PoE	PHIHONG	POE90U-BTA

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories
Bracket*1 (Note)
Antenna Bracket of External Ant. 1 (Used for EUT 3) / (Note)

Note: Optional, not sold with EUT

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	PHIHONG	POE90U-BTA	N/A
B	Flash disk3.0	Transcend	JetFlash-703	N/A
C	10G Eth0+PoE PC	ASUS	S300TA	TX2-RTL8821CE
D	PSE Device PC	ASUS	S300TA	TX2-RTL8821CE
E	PSE Device	Juniper	AP36M	2AHBN-AP36
F	5G Scan NB	Lenovo	X260	N/A
G	2.4G NB	Lenovo	X260	N/A
H	5G NB	Lenovo	X260	N/A
I	GPS Simulator	WELNAVIGATE	GS-100	N/A

**For Radiated (below 1GHz):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Flash disk3.0	Transcend	JetFlash-703	N/A
B	PoE	PHIHONG	POE90U-BTA	N/A
C	10G Eth0+PoE PC	ASUS	S300TA	TX2-RTL8821CE
D	PSE Device	Juniper	AP36M	2AHBN-AP36
E	PSE Device PC	ASUS	S300TA	TX2-RTL8821CE
F	6G module	INTEL	BE200	PD9BE200NG
G	6G NB	DELL	E7240	N/A
H	5G NB	Lenovo	X260	N/A
I	2.4G NB	Lenovo	X260	N/A
J	2.4G Scan NB	Lenovo	X260	N/A
K	GPS Simulator	WELNAVIGATE	GS-100	N/A

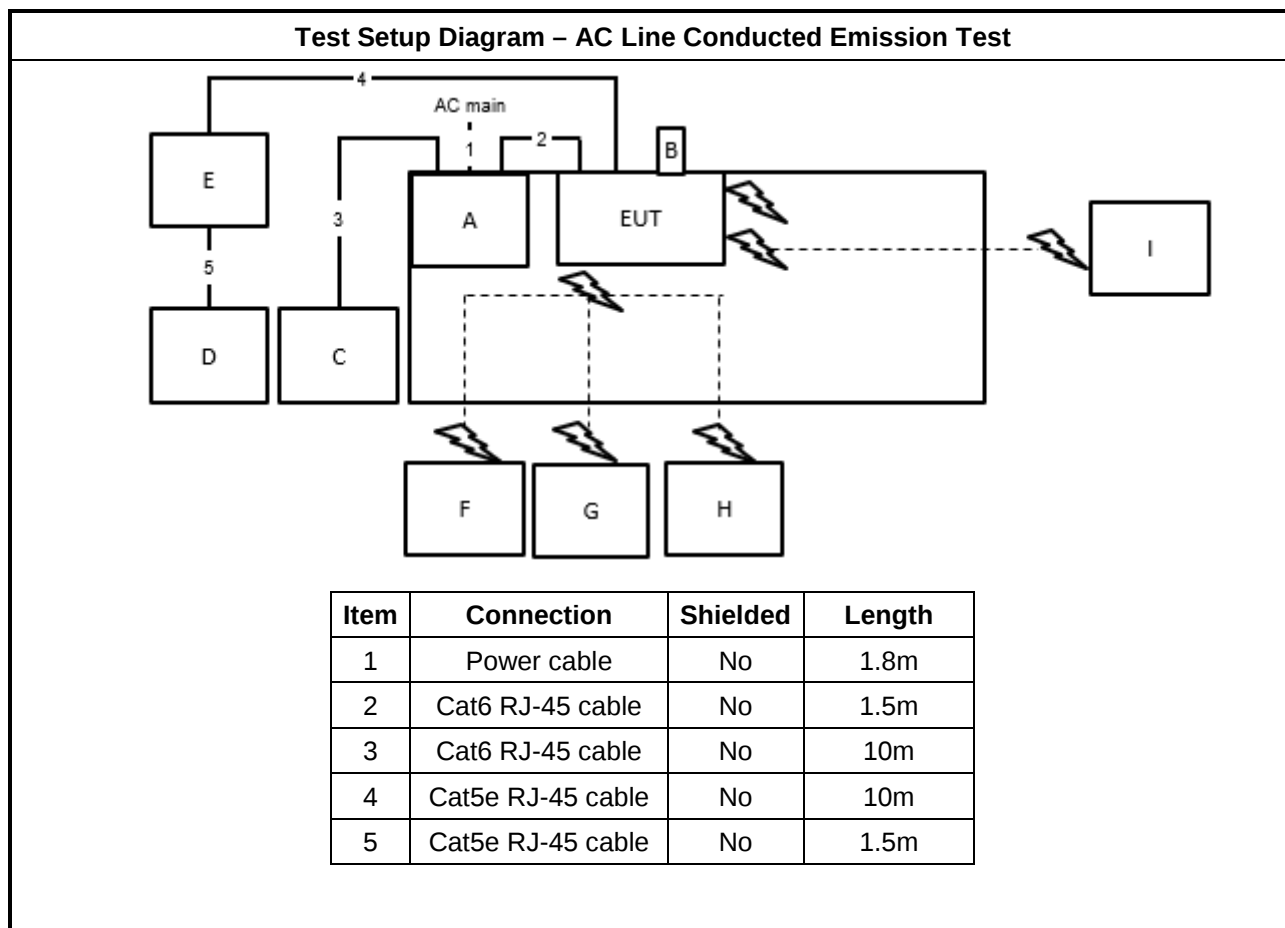
For Radiated (above 1GHz):

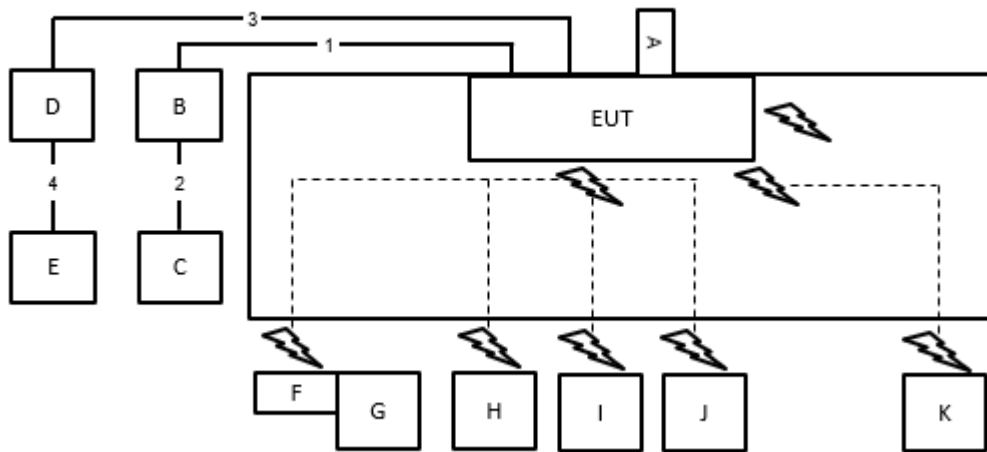
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POE90U-BTA	N/A

For RF Conducted:

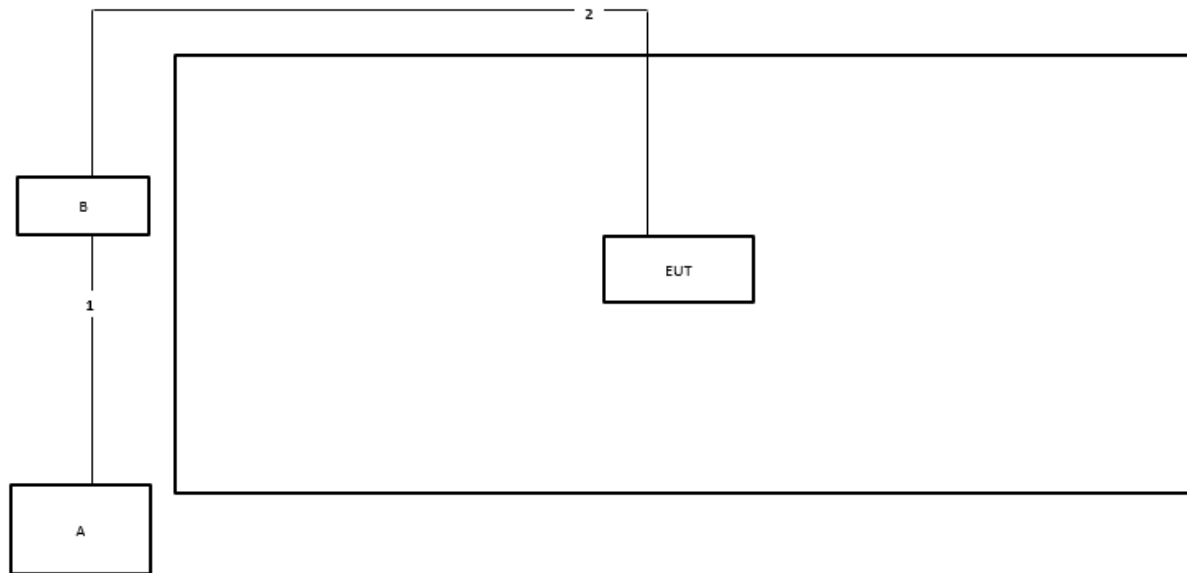
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	PHIHONG	POE90U-BTA	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Cat6 RJ-45 cable	No	10m
2	Cat6 RJ-45 cable	No	5m
3	Cat5e RJ-45 cable	No	10m
4	Cat5e RJ-45 cable	No	5m

Test Setup Diagram - Radiated Test > 1GHz


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.2 AC Power-line Conducted Emissions Limit

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

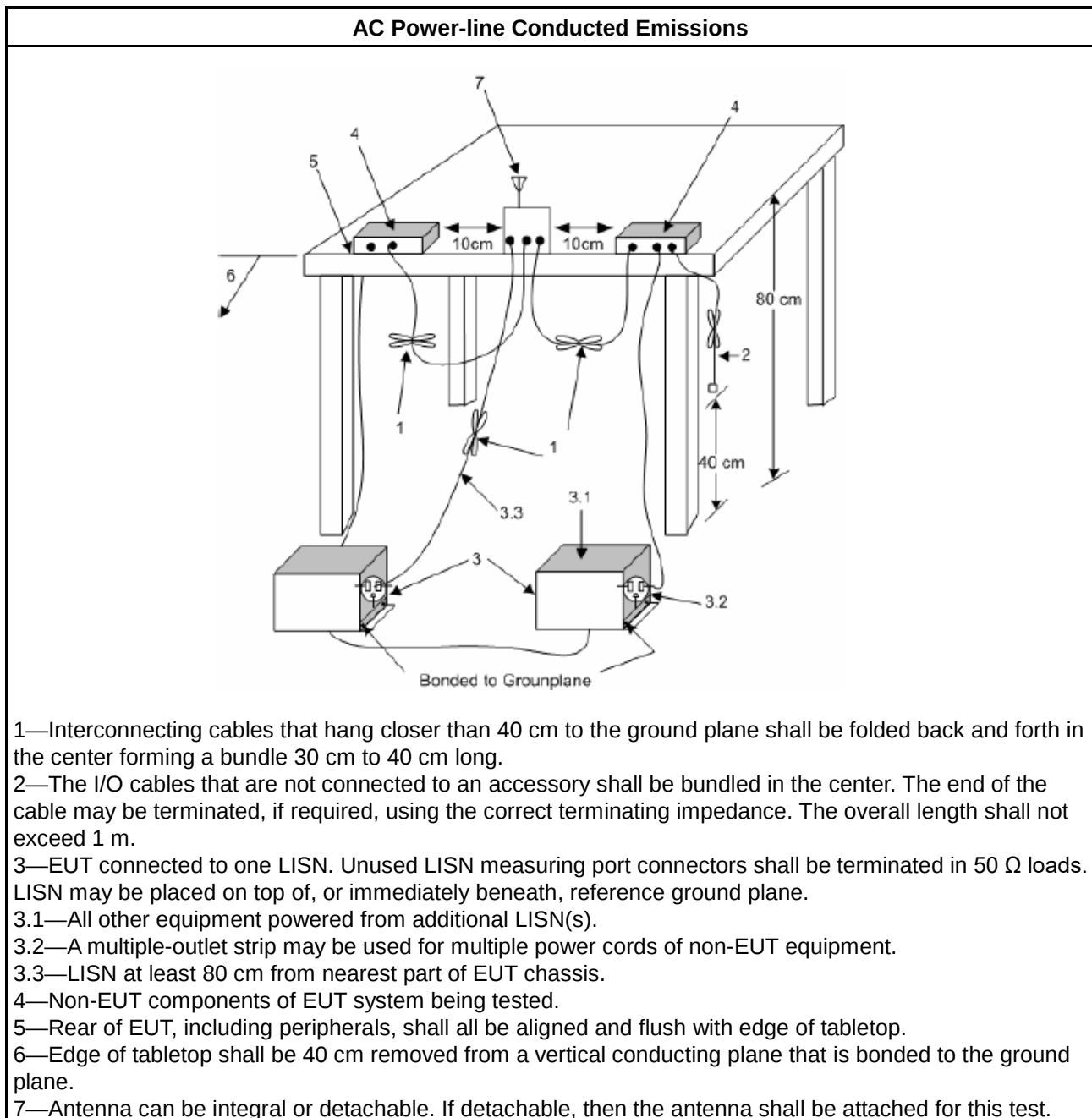
3.1.3 Measuring Instruments

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

3.1.4 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.5 Test Setup



3.1.6 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- b. Margin = -Limit + Level

3.1.7 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.2 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 $11 \text{ dBm} + 10 \log B$, 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 $11 \text{ dBm} + 10 \log B$, 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 $\geq 500\text{kHz}$.
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 $\geq 500\text{kHz}$.

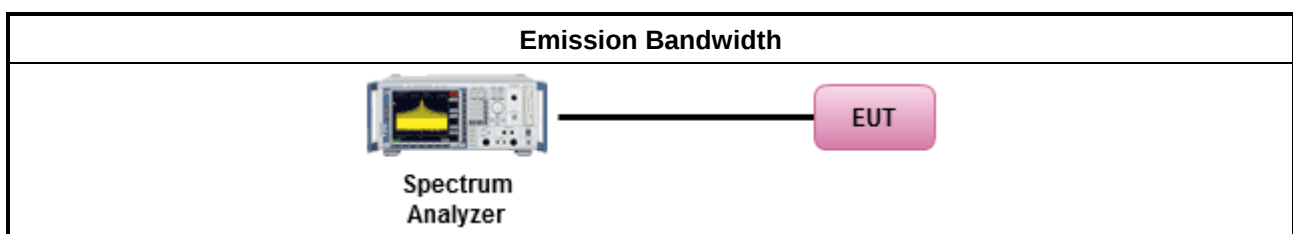
3.2.3 Measuring Instruments

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

3.2.4 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.

3.2.5 Test Setup



3.2.6 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.2 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 $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ 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.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band:	
	▪ For other devices: 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. ▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
	▪ For other devices: The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log 10 B$, dBm, and 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 ▪ Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log B$, 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 conducted output power shall not exceed 250 mW or $11 + 10 \log 10 B$, dBm, and 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:	



- | | |
|--|--|
| | <ul style="list-style-type: none">▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. |
|--|--|

P_{Out} = maximum conducted output power in dBm,

G_{TX} = the maximum transmitting antenna directional gain in dBi.



3.3.3 Measuring Instruments

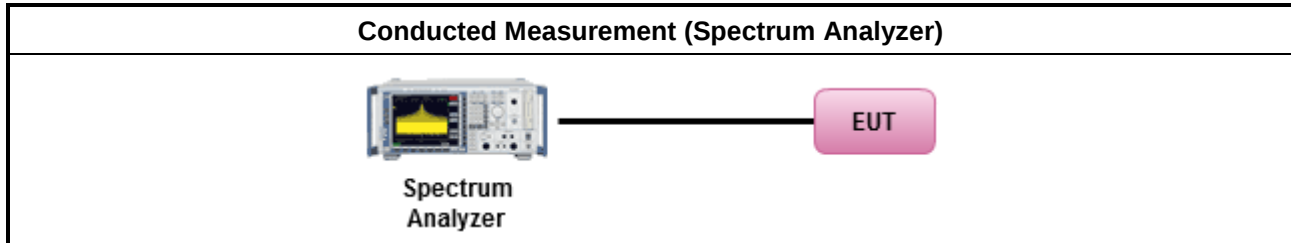
Refer a test equipment and calibration data table in this test report.

3.3.4 Test Procedures

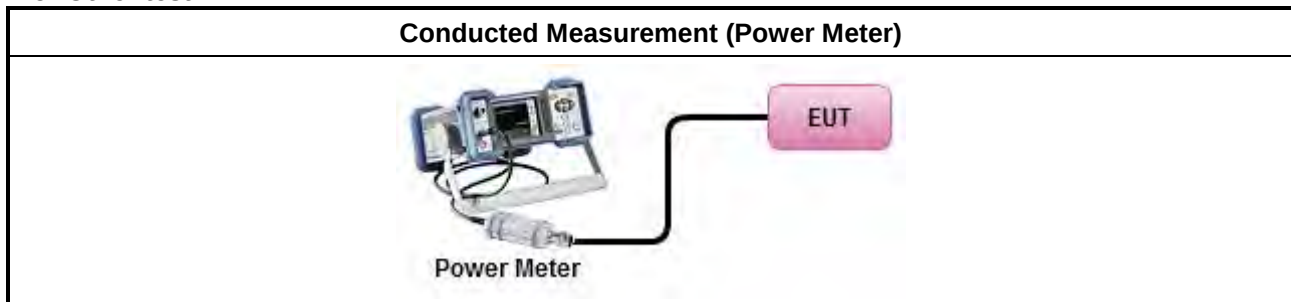
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty 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: $P_{total} = P_1 + P_2 + \dots + P_n$ (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.

3.3.5 Test Setup

For Straddle channel



For Other test



3.3.6 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.2 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.
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 $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta$-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ 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.	

3.4.3 Measuring Instruments

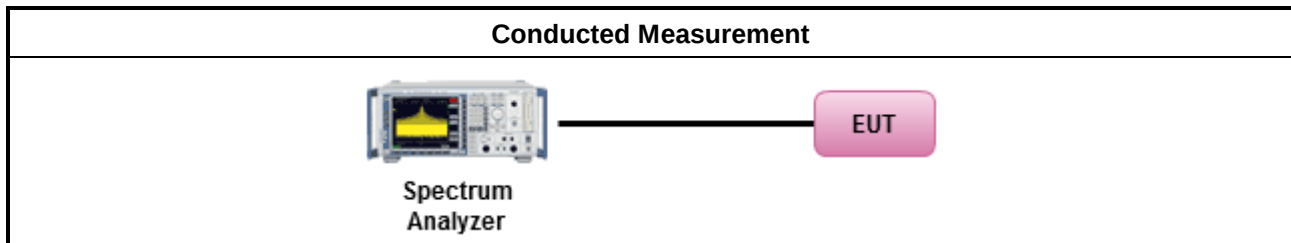
Refer a test equipment and calibration data table in this test report.

**3.4.4 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (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.

3.4.5 Test Setup



3.4.6 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.2 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.

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).

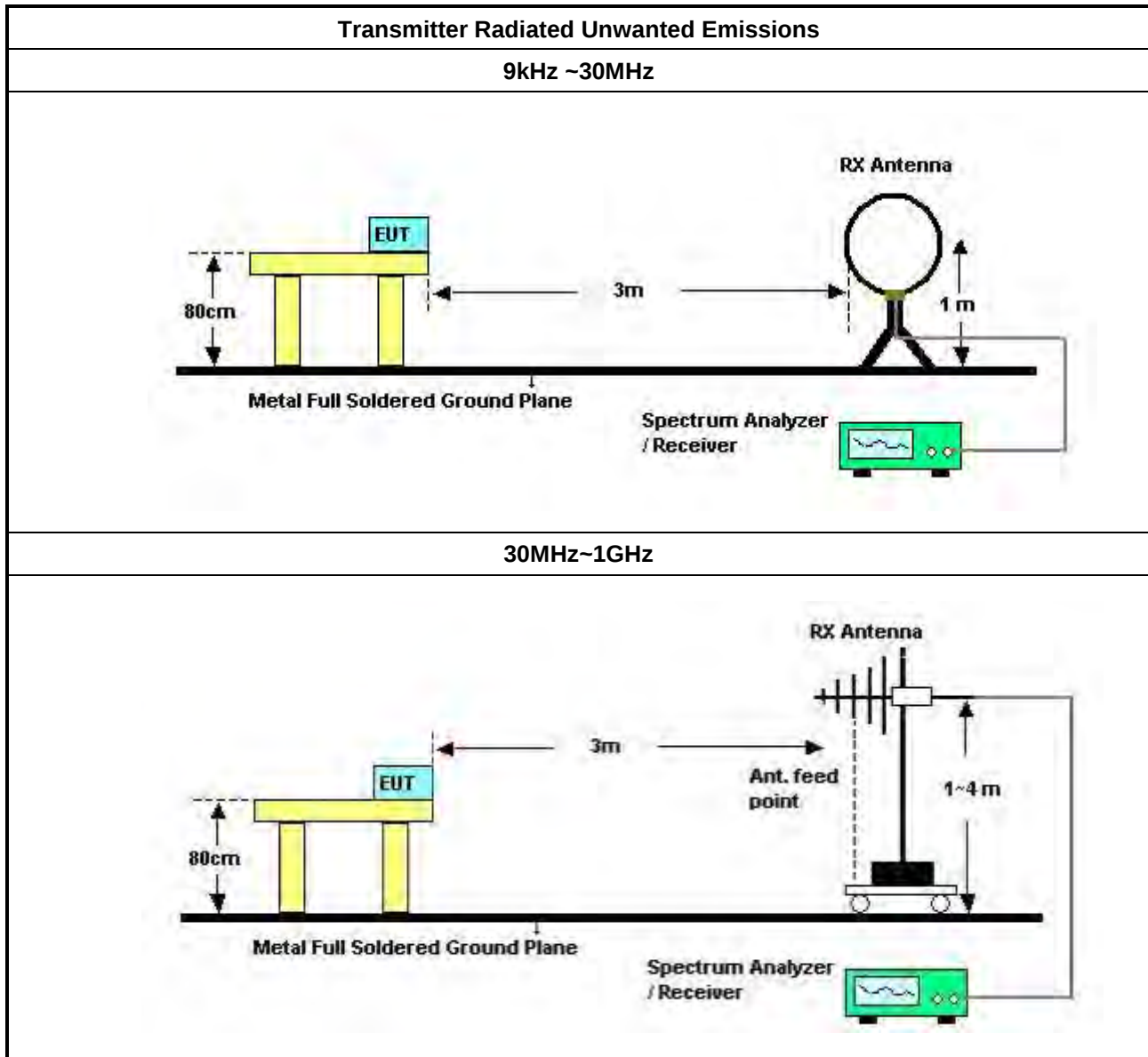
3.5.3 Measuring Instruments

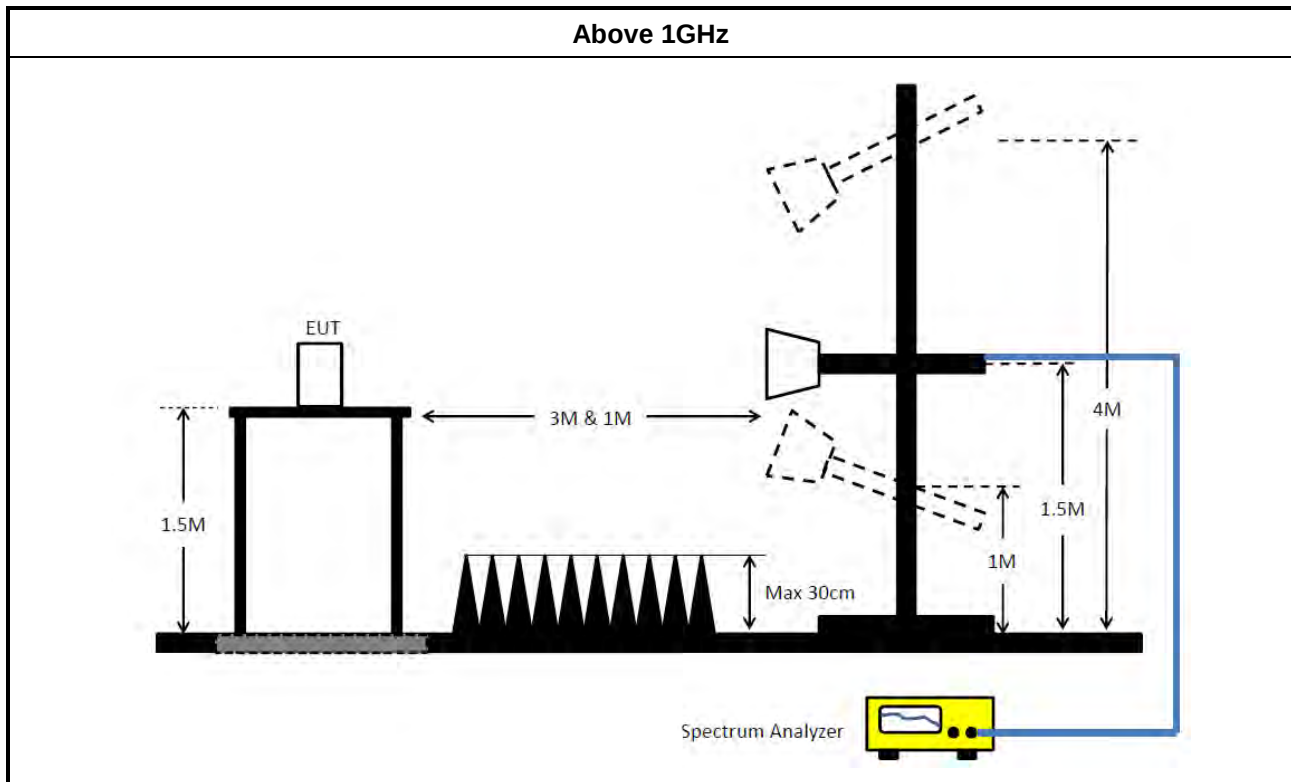
Refer a test equipment and calibration data table in this test report.

3.5.4 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 $\geq 1/T$, 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.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.5 Test Setup





3.5.6 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.

3.5.7 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.8 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 29, 2025	Apr. 28, 2026	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Feb. 06, 2025	Feb. 05, 2026	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 14, 2025	May 13, 2026	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	CO02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 17, 2024	Oct. 16, 2025	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 15, 2025	Jan. 14, 2026	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 08, 2025	Mar. 07, 2026	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 08, 2025	Mar. 07, 2026	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (10CH01-CB)
Bilog Ant & 6dB Attenuator	SCHWARZBECK & EMCI	VULB 9168 & N-6-06	1469 & AT-N06021	30MHz ~ 1GHz	Jan. 09, 2025	Jan. 08, 2026	Radiation (10CH01-CB)
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 17, 2024	Oct. 16, 2025	Radiation (10CH01-CB)
High Cable	TITAN	T318E	High cable01	30MHz ~ 18GHz	Feb. 04, 2025	Feb. 03, 2026	Radiation (10CH01-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 14, 2025	May 13, 2026	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde&Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 16, 2025	Apr. 15, 2026	Radiation (10CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 03, 2025	May 02, 2026	Radiation (03CH01-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 23, 2025	Mar. 22, 2026	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 15, 2025	Apr. 14, 2026	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 02, 2025	May 01, 2026	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Feb. 20, 2025	Feb. 19, 2026	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH03-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 10, 2025	Jun. 09, 2026	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 21, 2025	Feb. 20, 2026	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2024	Dec. 19, 2025	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 24, 2025	Mar. 23, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101027	9kHz~40GHz	Aug. 27, 2024	Aug. 26, 2025	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1126203	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1210004	300MHz~40GHz	Oct. 18, 2024	Oct. 17, 2025	Conducted (TH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1–18 GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 25	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH02-CB)

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

NCR means Non-Calibration required.



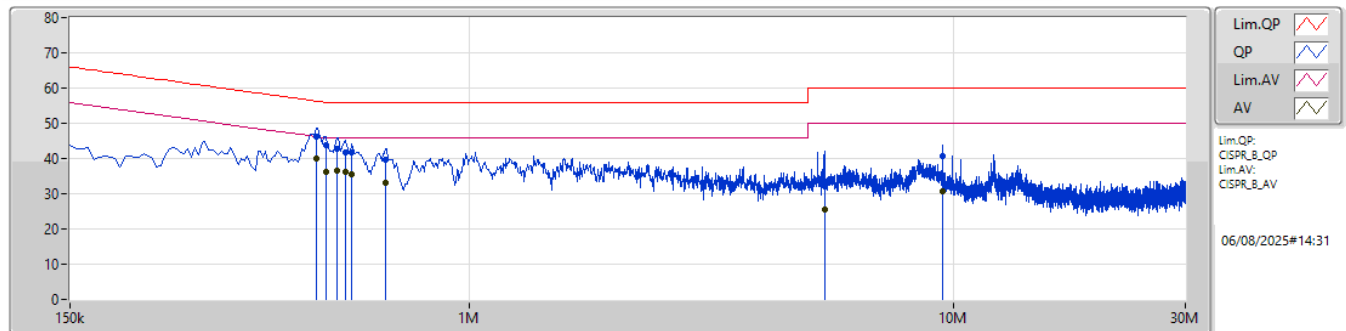
Conducted Emissions at Powerline

Appendix A

Summary

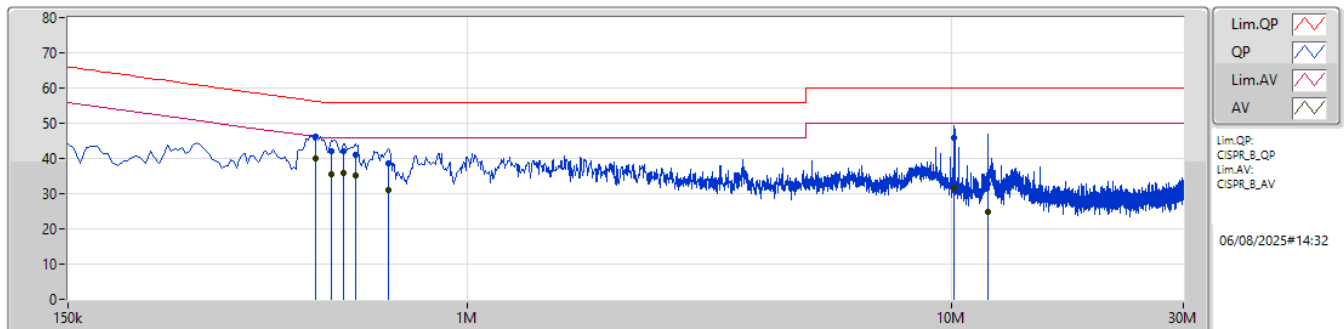
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 12	Pass	AV	487.5k	40.03	46.21	-6.18	Neutral

Mode 12



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	483k	46.14	56.29	-10.15	10.13	Line	-	36.01	0.06	0.04	10.03						
AV	483k	40.06	46.29	-6.23	10.13	Line	"Worst"	29.93	0.06	0.04	10.03						
QP	505.5k	43.68	56.00	-12.32	10.12	Line	-	33.56	0.06	0.03	10.03						
AV	505.5k	36.23	46.00	-9.77	10.12	Line	-	26.11	0.06	0.03	10.03						
QP	532.5k	42.91	56.00	-13.09	10.12	Line	-	32.79	0.06	0.03	10.03						
AV	532.5k	36.49	46.00	-9.51	10.12	Line	-	26.37	0.06	0.03	10.03						
QP	555k	41.86	56.00	-14.14	10.12	Line	-	31.74	0.06	0.03	10.03						
AV	555k	36.07	46.00	-9.93	10.12	Line	-	25.95	0.06	0.03	10.03						
QP	573k	41.65	56.00	-14.35	10.12	Line	-	31.53	0.06	0.03	10.03						
AV	573k	35.63	46.00	-10.37	10.12	Line	-	25.51	0.06	0.03	10.03						
QP	672k	39.53	56.00	-16.47	10.13	Line	-	29.40	0.07	0.03	10.03						
AV	672k	33.20	46.00	-12.80	10.13	Line	-	23.07	0.07	0.03	10.03						
QP	5.402M	32.18	60.00	-27.82	10.23	Line	-	21.95	0.16	0.03	10.04						
AV	5.402M	25.58	50.00	-24.42	10.23	Line	-	15.35	0.16	0.03	10.04						
QP	9.483M	40.65	60.00	-19.35	10.27	Line	-	30.38	0.22	0.04	10.01						
AV	9.483M	30.61	50.00	-19.39	10.27	Line	-	20.34	0.22	0.04	10.01						

Mode 12



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	487.5k	46.37	56.21	-9.84	10.14	Neutral	-	36.23	0.07	0.04	10.03						
AV	487.5k	40.03	46.21	-6.18	10.14	Neutral	"Worst"	29.89	0.07	0.04	10.03						
QP	523.5k	42.22	56.00	-13.78	10.13	Neutral	-	32.09	0.07	0.03	10.03						
AV	523.5k	35.56	46.00	-10.44	10.13	Neutral	-	25.43	0.07	0.03	10.03						
QP	555k	41.97	56.00	-14.03	10.13	Neutral	-	31.84	0.07	0.03	10.03						
AV	555k	36.00	46.00	-10.00	10.13	Neutral	-	25.87	0.07	0.03	10.03						
QP	586.5k	41.16	56.00	-14.84	10.13	Neutral	-	31.03	0.07	0.03	10.03						
AV	586.5k	35.17	46.00	-10.83	10.13	Neutral	-	25.04	0.07	0.03	10.03						
QP	685.5k	38.58	56.00	-17.42	10.14	Neutral	-	28.44	0.08	0.03	10.03						
AV	685.5k	31.14	46.00	-14.86	10.14	Neutral	-	21.00	0.08	0.03	10.03						
QP	10.118M	45.92	60.00	-14.08	10.26	Neutral	-	35.66	0.21	0.04	10.01						
AV	10.118M	31.87	50.00	-18.13	10.26	Neutral	-	21.61	0.21	0.04	10.01						
QP	11.868M	32.85	60.00	-27.15	10.28	Neutral	-	22.57	0.22	0.04	10.02						
AV	11.868M	24.85	50.00	-25.15	10.28	Neutral	-	14.57	0.22	0.04	10.02						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	33.44M	17.217M	17M2D1D	19.195M	16.404M
802.11be EHT20_Nss1,(MCS0)_4TX	36.465M	19.34M	19M3D1D	20.57M	18.941M
802.11be EHT40_Nss1,(MCS0)_4TX	62.92M	37.981M	38M0D1D	39.38M	37.631M
802.11be EHT80_Nss1,(MCS0)_4TX	81.62M	77.361M	77M4D1D	80.08M	76.662M
802.11be EHT160_Nss1,(MCS0)_4TX	80.32M	77.641M	77M6D1D	79.92M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.285M	17.041M	17M0D1D	19.745M	16.47M
802.11be EHT20_Nss1,(MCS0)_4TX	21.56M	19.14M	19M1D1D	20.625M	18.866M
802.11be EHT40_Nss1,(MCS0)_4TX	39.82M	38.081M	38M1D1D	39.16M	37.381M
802.11be EHT80_Nss1,(MCS0)_4TX	80.96M	77.861M	77M9D1D	80.52M	76.862M
802.11be EHT160_Nss1,(MCS0)_4TX	81.28M	77.321M	77M3D1D	79.92M	76.922M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.79M	16.778M	16M8D1D	14.58M	13.253M
802.11be EHT20_Nss1,(MCS0)_4TX	21.505M	19.09M	19M1D1D	15.675M	14.468M
802.11be EHT40_Nss1,(MCS0)_4TX	40.37M	37.881M	37M9D1D	34.72M	33.653M
802.11be EHT80_Nss1,(MCS0)_4TX	81.62M	77.461M	77M5D1D	75.075M	73.088M
802.11be EHT160_Nss1,(MCS0)_4TX	162.36M	156.522M	157MD1D	161.92M	155.722M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	25.727M	25M7D1D	3.1M	3.658M
802.11be EHT20_Nss1,(MCS0)_4TX	19.03M	36.982M	37M0D1D	4.38M	4.498M
802.11be EHT40_Nss1,(MCS0)_4TX	37.84M	55.072M	55M1D1D	3.18M	4.018M
802.11be EHT80_Nss1,(MCS0)_4TX	77.88M	77.461M	77M5D1D	3.24M	4.018M

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	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.625M	16.404M	20.57M	16.58M	20.845M	16.58M	20.13M	16.602M
5200MHz	Pass	Inf	29.755M	16.69M	33.44M	17.217M	19.195M	16.888M	20.955M	16.58M
5240MHz	Pass	Inf	26.73M	17.019M	32.945M	16.734M	21.835M	16.536M	20.9M	16.58M
5260MHz	Pass	Inf	20.13M	16.646M	20.57M	16.536M	20.57M	17.041M	20.79M	16.624M
5300MHz	Pass	Inf	20.79M	16.47M	20.075M	16.514M	21.285M	16.668M	20.35M	16.624M
5320MHz	Pass	Inf	19.745M	16.492M	21.01M	16.536M	20.02M	16.646M	20.295M	16.514M
5500MHz	Pass	Inf	20.24M	16.602M	20.79M	16.778M	20.515M	16.536M	20.625M	16.646M
5580MHz	Pass	Inf	20.13M	16.668M	20.79M	16.47M	19.8M	16.426M	19.085M	16.734M
5700MHz	Pass	Inf	20.24M	16.602M	19.8M	16.69M	20.295M	16.646M	19.965M	16.426M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.79M	13.433M	14.58M	13.358M	14.655M	13.253M	14.88M	13.298M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	4.078M	3.12M	4.058M	3.2M	3.978M	3.14M	3.658M
5745MHz	Pass	500k	15.125M	20.098M	16.28M	20.758M	16.39M	17.261M	16.335M	16.866M
5785MHz	Pass	500k	15.675M	25.551M	15.125M	25.727M	16.5M	16.976M	16.005M	17.107M
5825MHz	Pass	500k	15.07M	25.463M	15.4M	23.902M	16.555M	17.107M	15.73M	17.657M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.625M	18.941M	20.845M	18.941M	21.45M	18.941M	21.67M	19.09M
5200MHz	Pass	Inf	32.45M	19.19M	32.615M	19.29M	23.65M	19.04M	21.615M	19.065M
5240MHz	Pass	Inf	34.155M	19.165M	36.465M	19.34M	20.57M	19.015M	22.275M	19.015M
5260MHz	Pass	Inf	20.625M	18.991M	21.01M	19.115M	20.955M	19.015M	21.395M	18.941M
5300MHz	Pass	Inf	20.845M	19.14M	20.845M	18.941M	20.955M	19.04M	21.45M	18.991M
5320MHz	Pass	Inf	21.175M	18.941M	21.285M	18.866M	21.56M	19.015M	21.12M	18.891M
5500MHz	Pass	Inf	21.12M	19.04M	20.735M	18.966M	21.12M	19.04M	21.285M	19.065M
5580MHz	Pass	Inf	20.57M	19.015M	21.01M	18.966M	21.505M	18.891M	20.845M	19.09M
5700MHz	Pass	Inf	21.285M	18.866M	21.175M	19.09M	21.505M	19.015M	21.34M	19.04M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	14.528M	15.705M	14.468M	15.78M	14.558M	15.9M	14.498M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.498M	4.5M	4.518M	4.46M	4.498M	4.38M	4.498M
5745MHz	Pass	500k	17.6M	20.915M	18.92M	24.288M	18.315M	19.465M	18.59M	19.39M
5785MHz	Pass	500k	19.03M	36.982M	16.335M	34.808M	18.865M	20.64M	16.39M	20.165M
5825MHz	Pass	500k	19.03M	34.083M	16.335M	32.859M	18.81M	19.44M	18.37M	19.365M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.7M	37.731M	39.49M	37.731M	39.71M	37.631M	39.38M	37.681M
5230MHz	Pass	Inf	60.61M	37.981M	62.92M	37.981M	46.2M	37.731M	56.65M	37.881M
5270MHz	Pass	Inf	39.82M	37.381M	39.82M	37.631M	39.16M	38.081M	39.38M	37.731M
5310MHz	Pass	Inf	39.82M	37.781M	39.71M	37.631M	39.49M	37.631M	39.49M	37.681M
5510MHz	Pass	Inf	39.38M	37.781M	40.37M	37.831M	39.93M	37.881M	39.27M	37.581M
5550MHz	Pass	Inf	39.49M	37.581M	39.38M	37.881M	39.38M	37.731M	39.6M	37.681M
5670MHz	Pass	Inf	39.49M	37.681M	39.49M	37.781M	39.49M	37.731M	39.71M	37.681M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	33.863M	35.35M	33.653M	35.07M	33.688M	34.72M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.058M	3.96M	4.078M	3.18M	4.018M	3.68M	4.058M
5755MHz	Pass	500k	37.84M	38.181M	37.51M	38.331M	36.41M	37.931M	36.41M	37.931M
5795MHz	Pass	500k	36.41M	55.072M	36.63M	53.373M	36.08M	37.981M	37.84M	38.131M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.62M	76.662M	80.08M	77.161M	80.74M	76.862M	81.18M	77.361M
5290MHz	Pass	Inf	80.96M	76.962M	80.52M	76.962M	80.96M	77.861M	80.74M	76.862M
5530MHz	Pass	Inf	80.3M	76.862M	81.62M	76.962M	80.74M	77.361M	81.18M	77.261M
5610MHz	Pass	Inf	80.08M	77.161M	80.3M	77.461M	81.4M	77.161M	81.62M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.45M	73.163M	75.6M	73.088M	75.075M	73.313M	75.075M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	4.098M	3.74M	4.098M	3.52M	4.018M	3.86M	4.098M
5775MHz	Pass	500k	77.22M	77.161M	76.56M	77.461M	74.58M	77.261M	77.88M	77.161M
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

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)
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	79.92M	77.401M	80.32M	77.081M	80M	77.161M	80.16M	77.641M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	76.922M	79.92M	77.321M	80.08M	77.161M	81.28M	77.321M
5570MHz	Pass	Inf	161.92M	155.722M	161.92M	155.922M	162.36M	156.122M	162.36M	156.522M

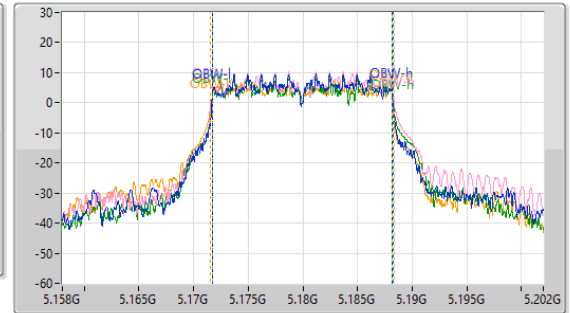
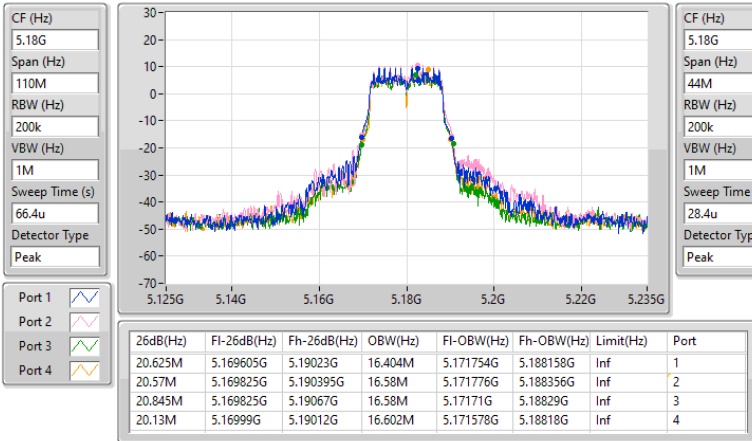
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

04/07/2025

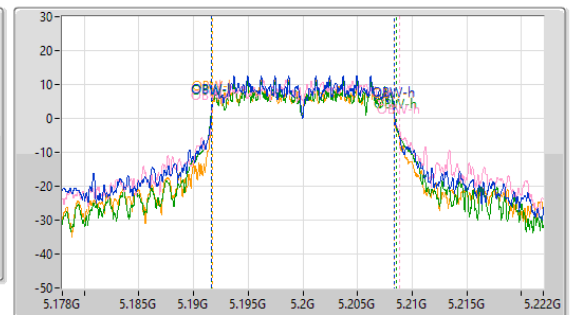
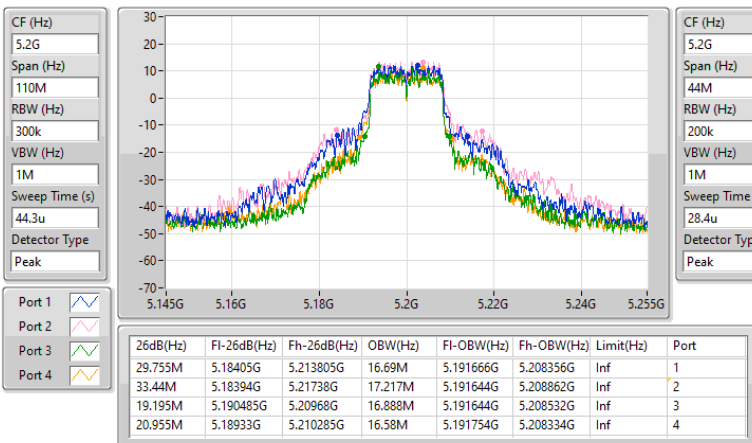


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

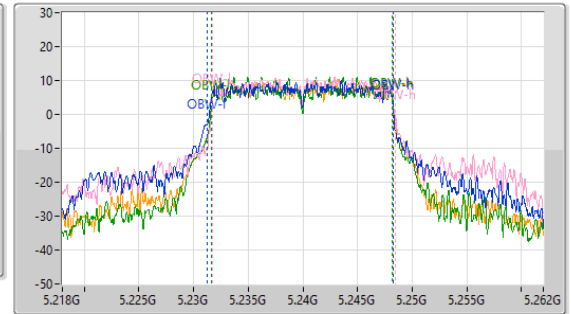
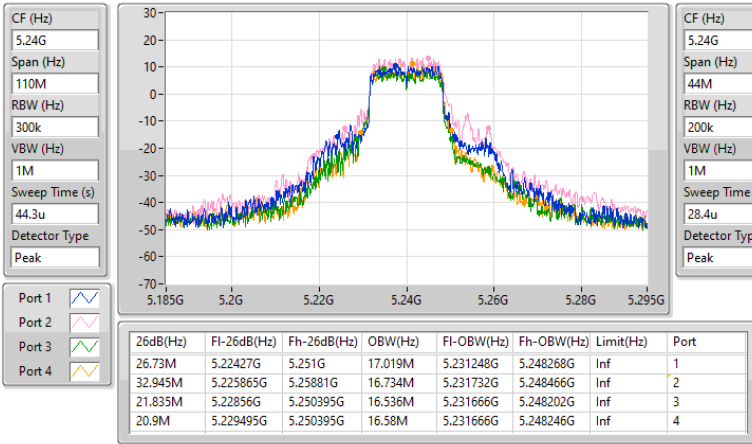
5200MHz

04/07/2025

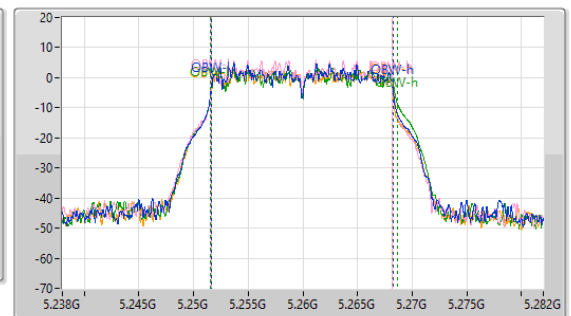
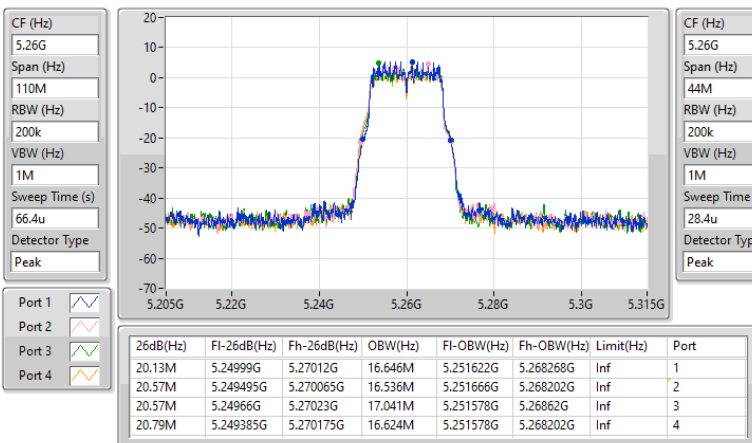


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

04/07/2025


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5260MHz

04/07/2025

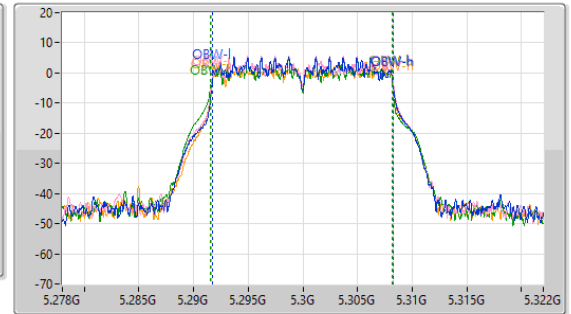
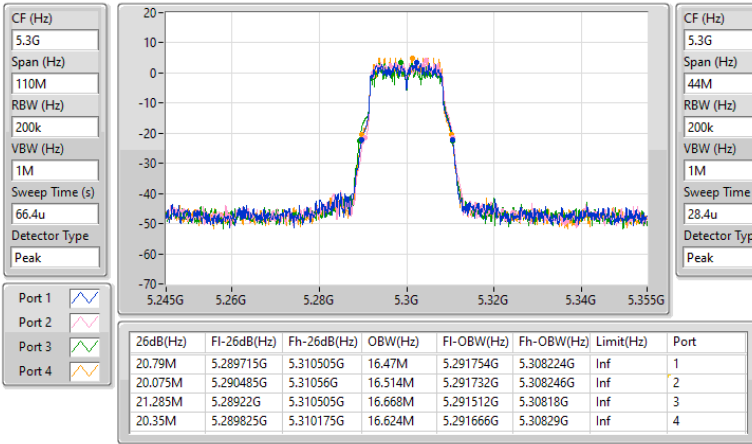


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

04/07/2025

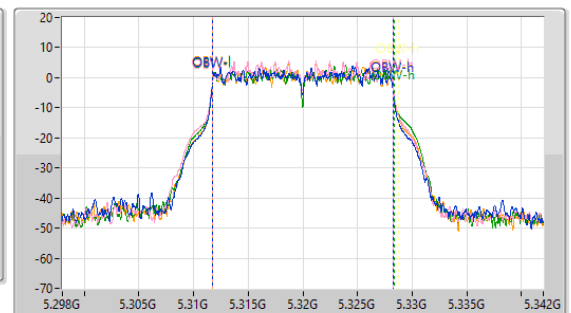
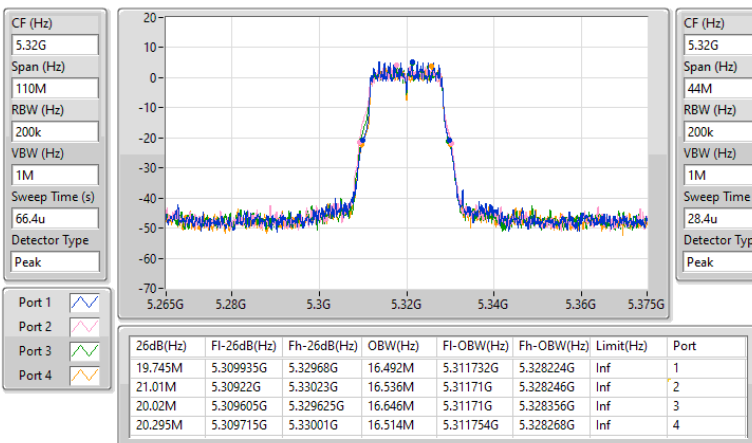


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

04/07/2025

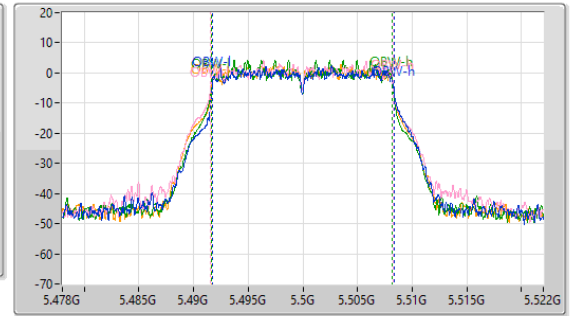
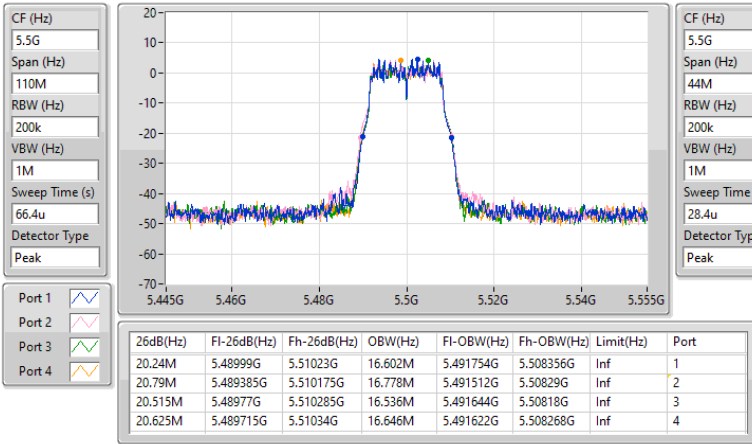


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

04/07/2025

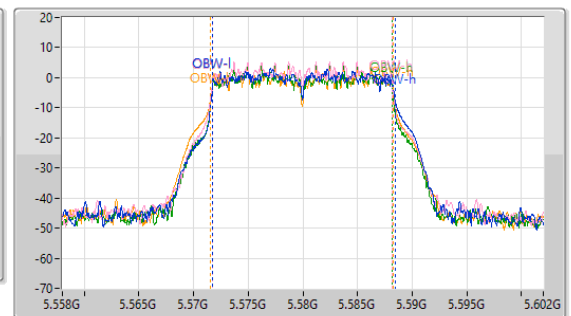
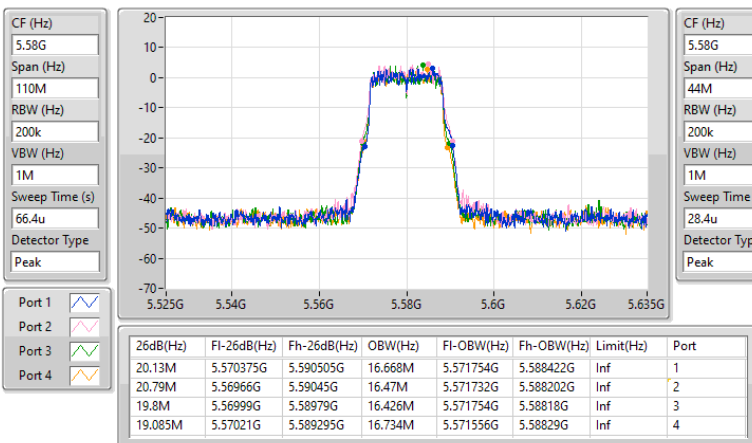


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

04/07/2025

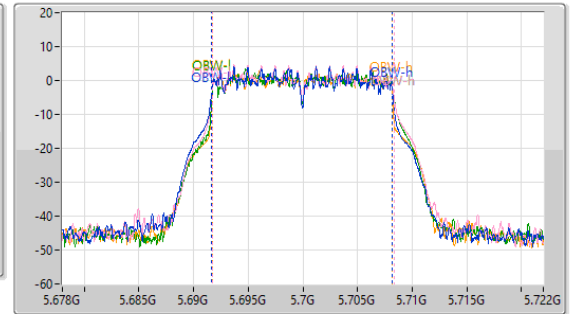
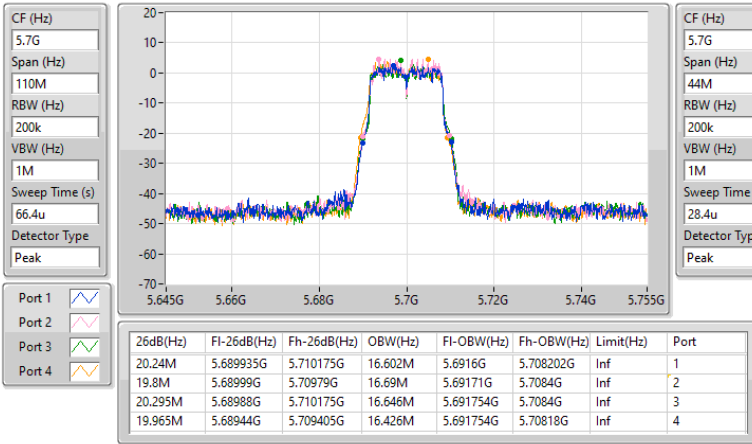


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

04/07/2025

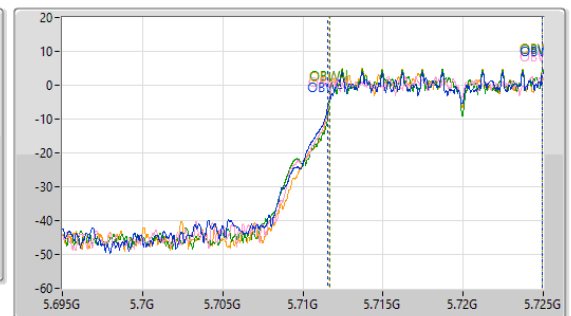
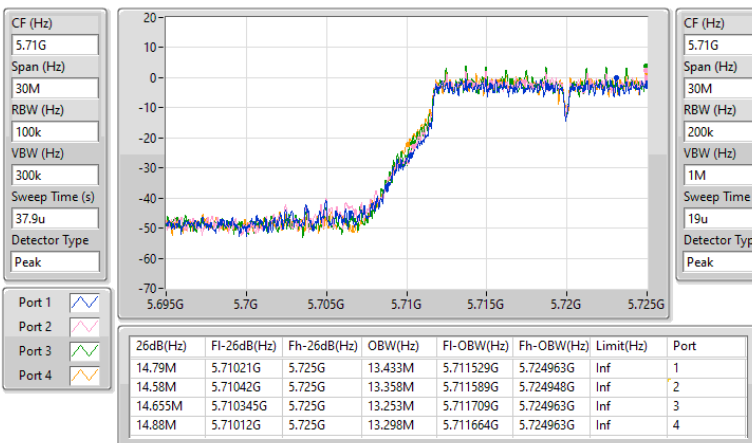


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/07/2025

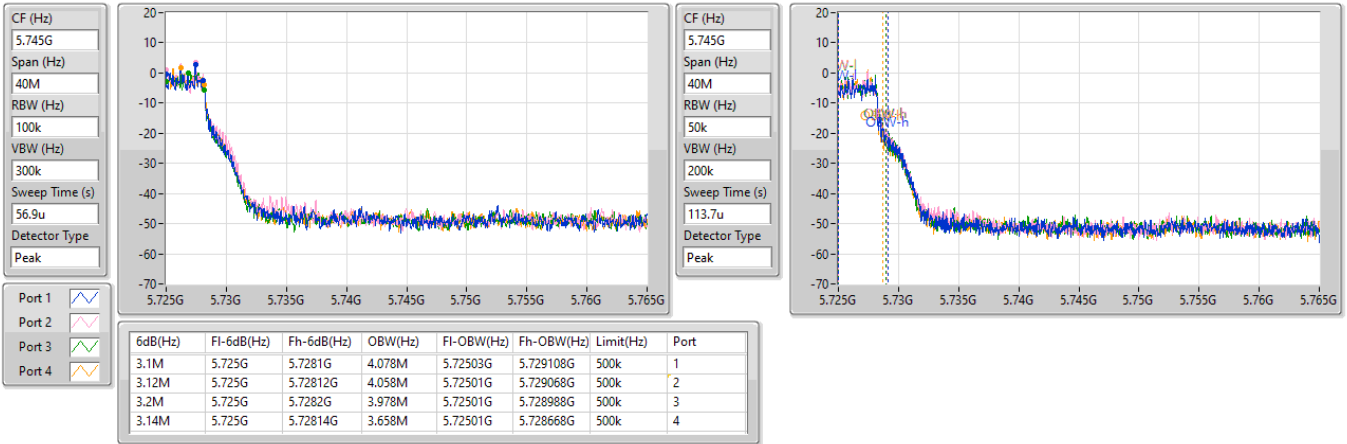


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/07/2025

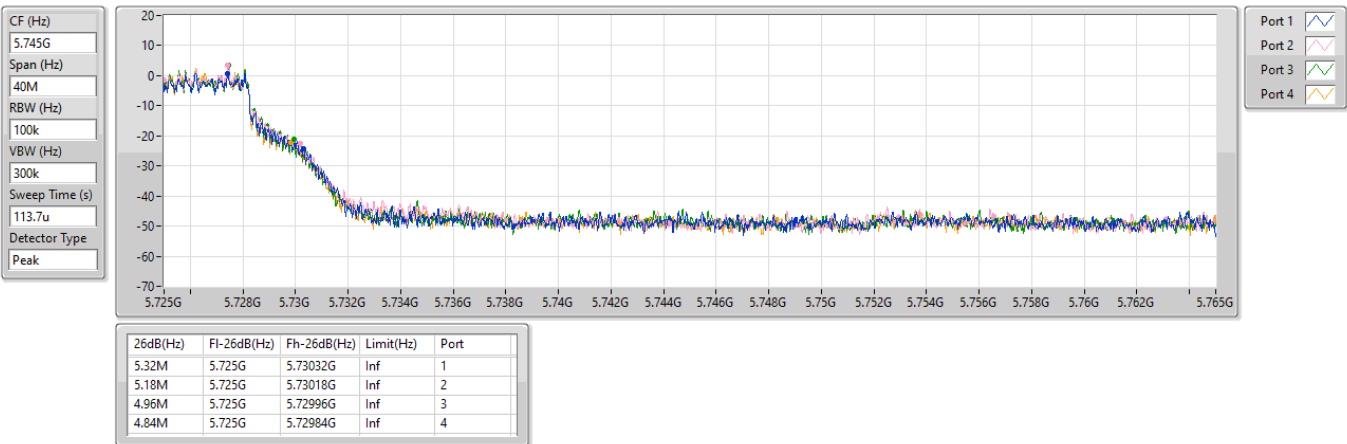


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/07/2025

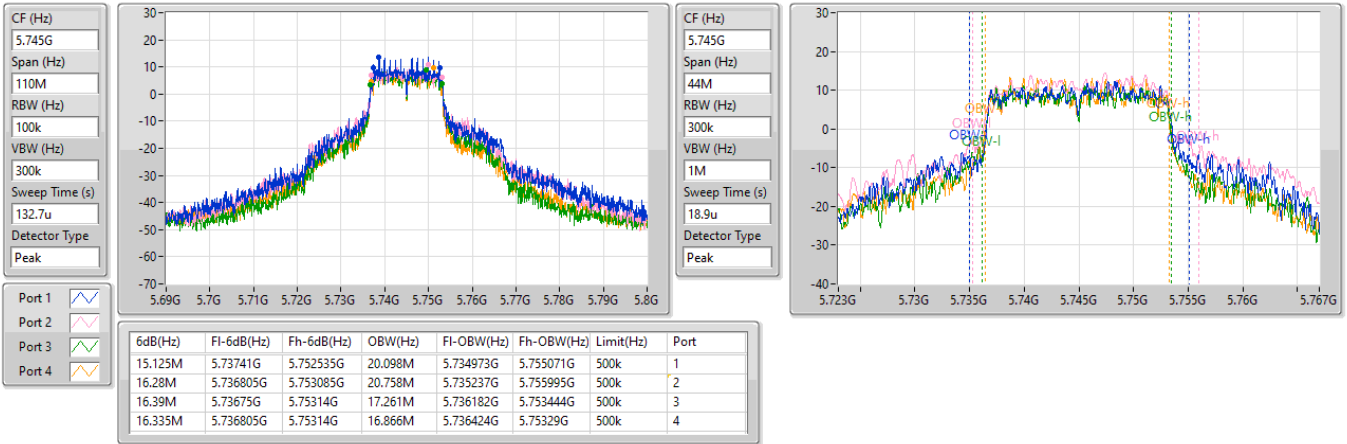


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

04/07/2025

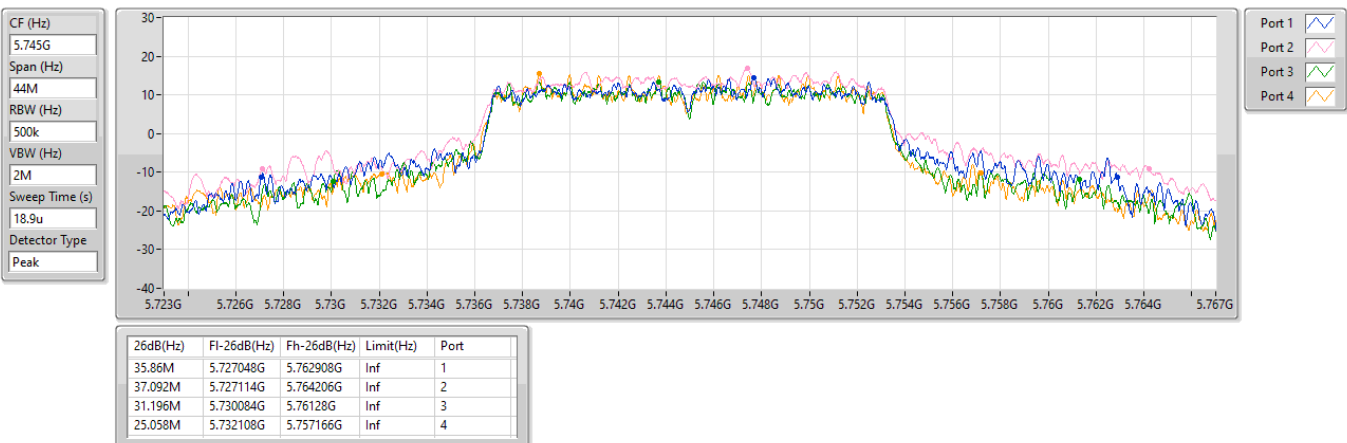


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

04/07/2025

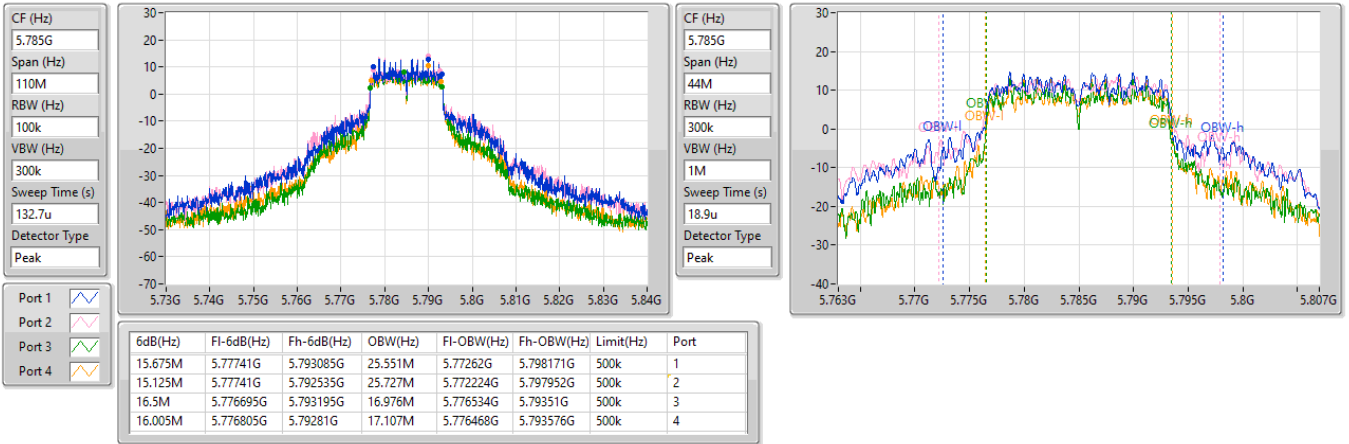


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

04/07/2025

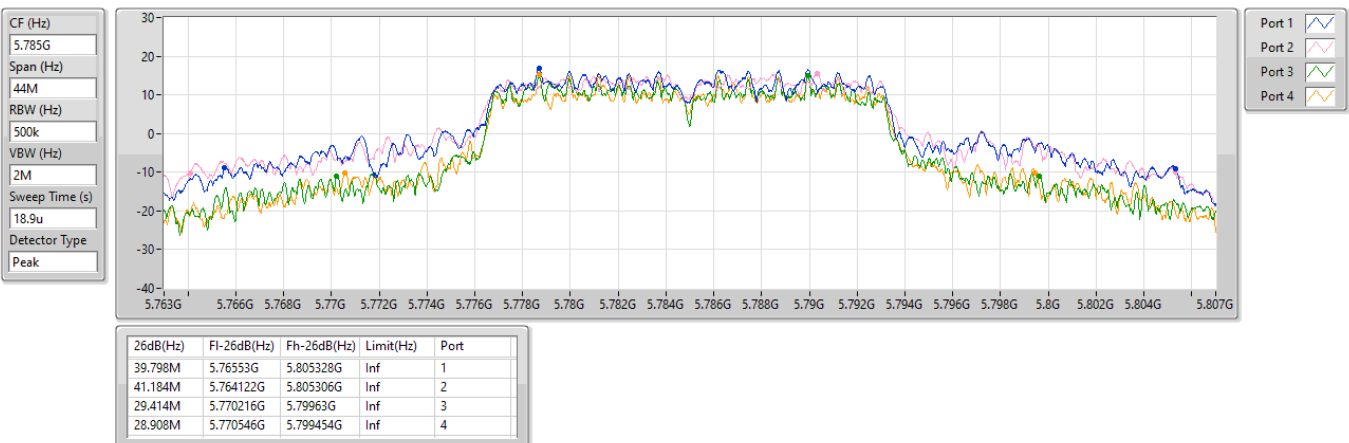


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

04/07/2025

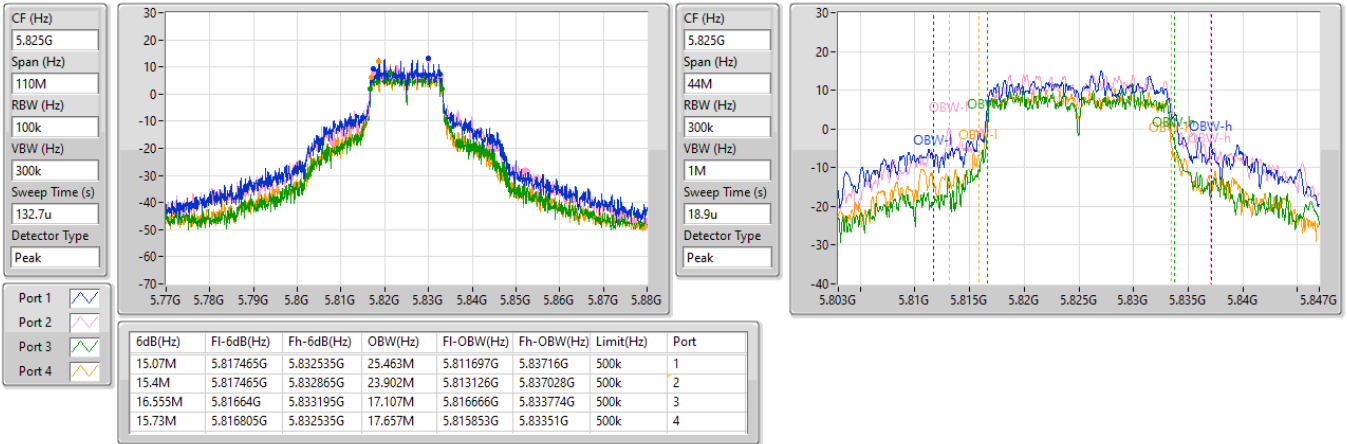


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

04/07/2025

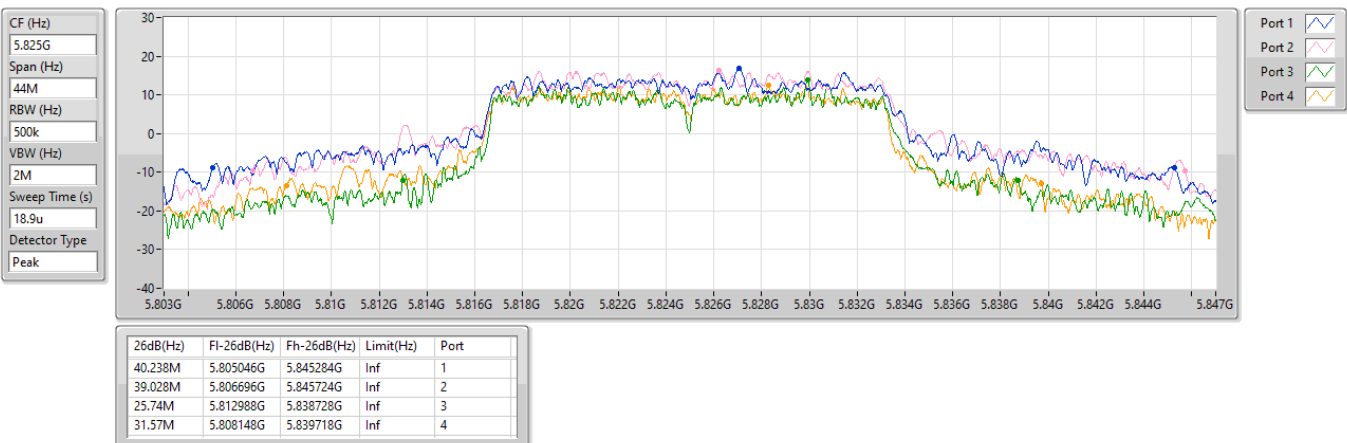


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

04/07/2025

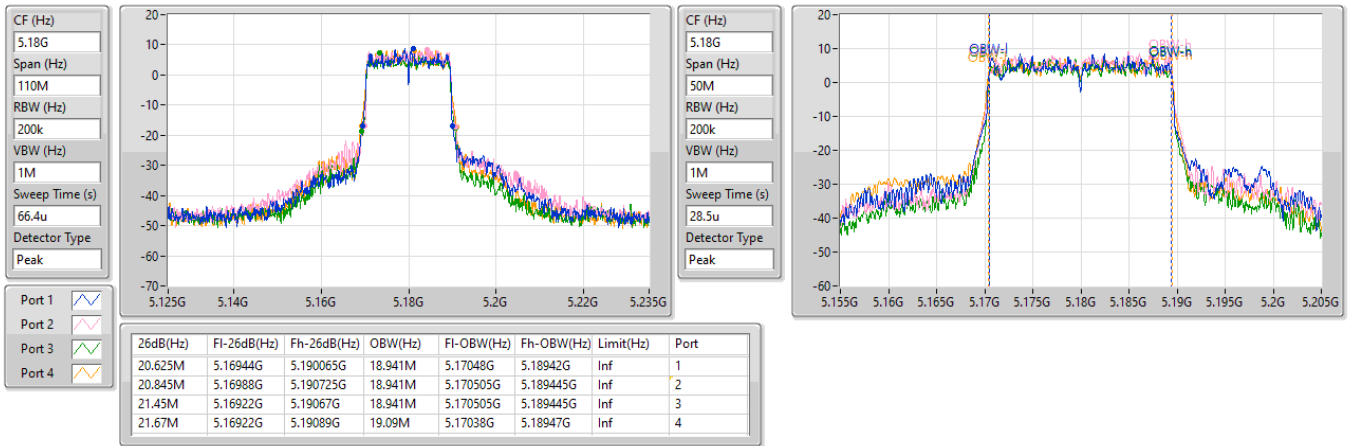


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

04/07/2025

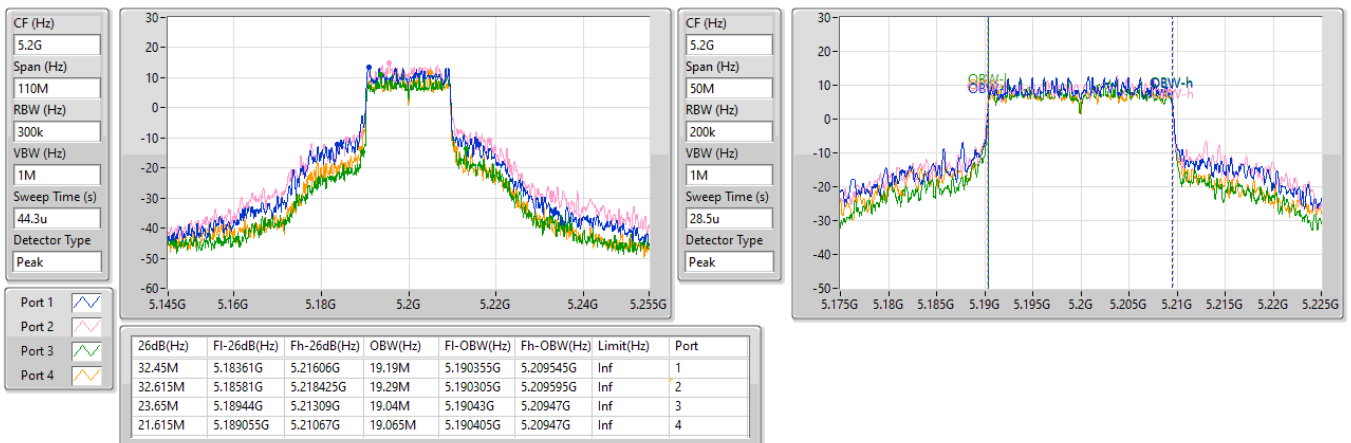


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

04/07/2025

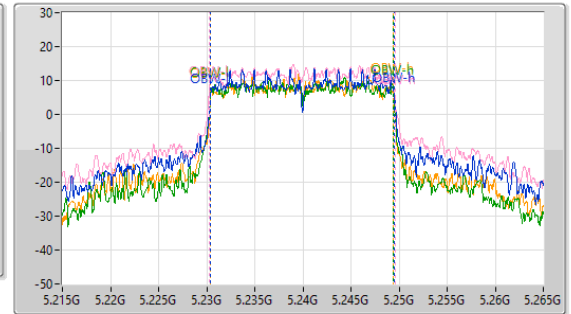
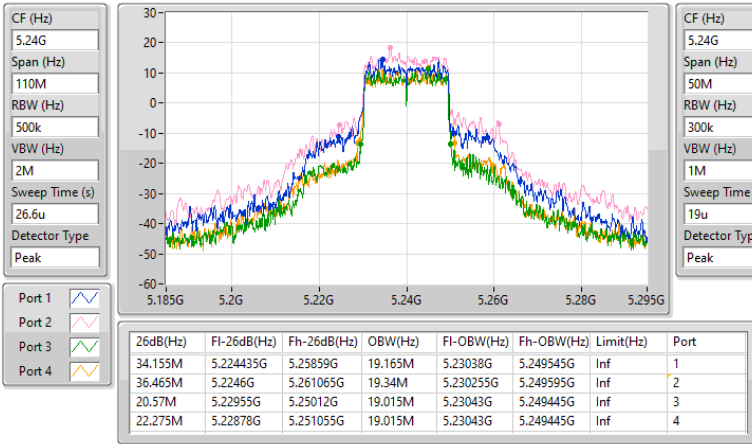


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

04/07/2025

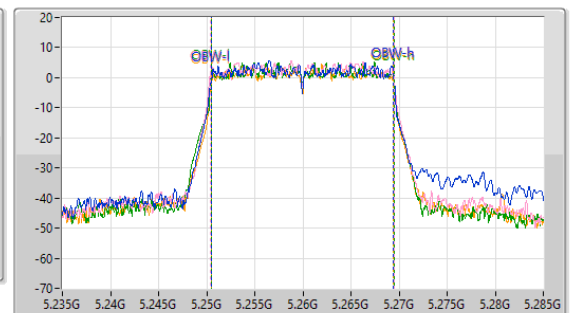
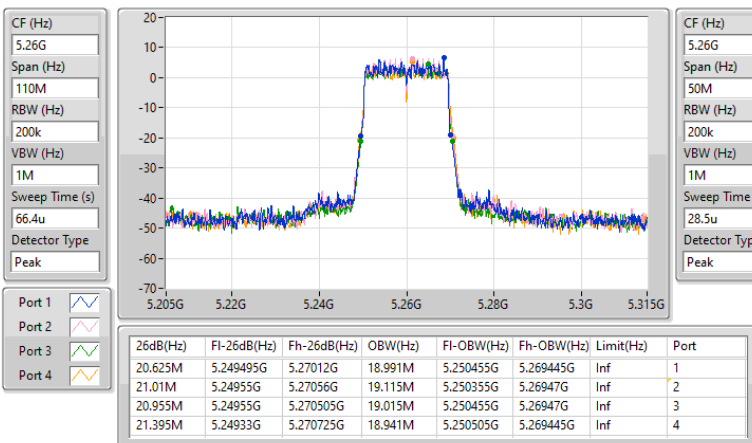


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5260MHz

04/07/2025

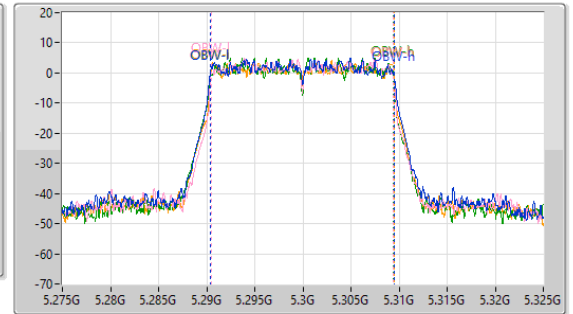
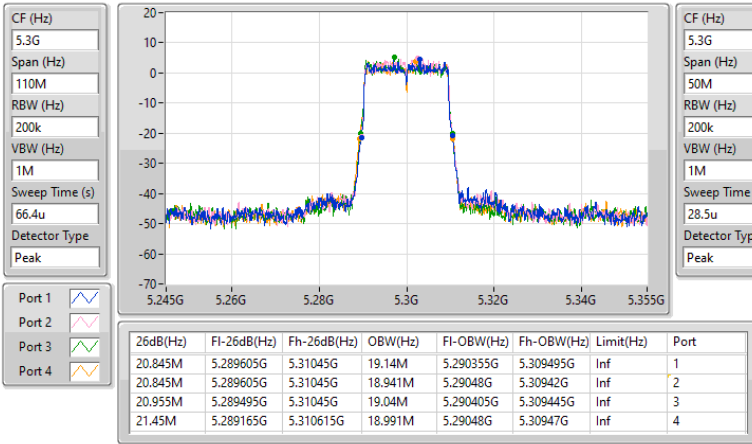


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

04/07/2025

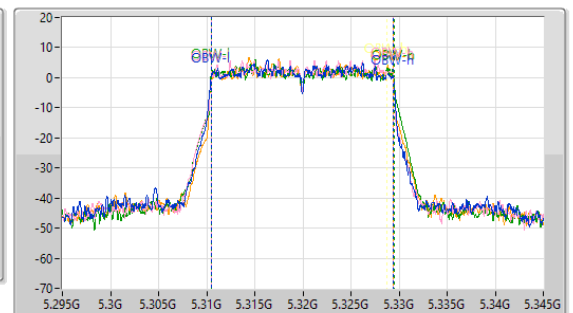
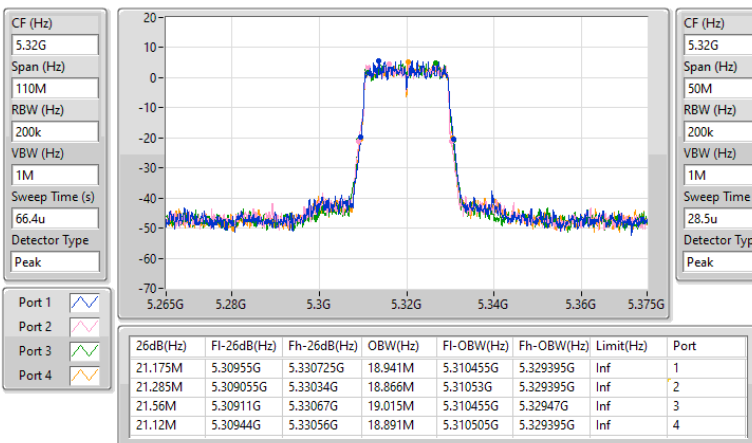


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

04/07/2025

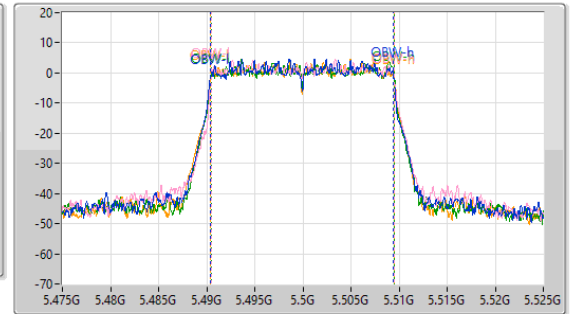
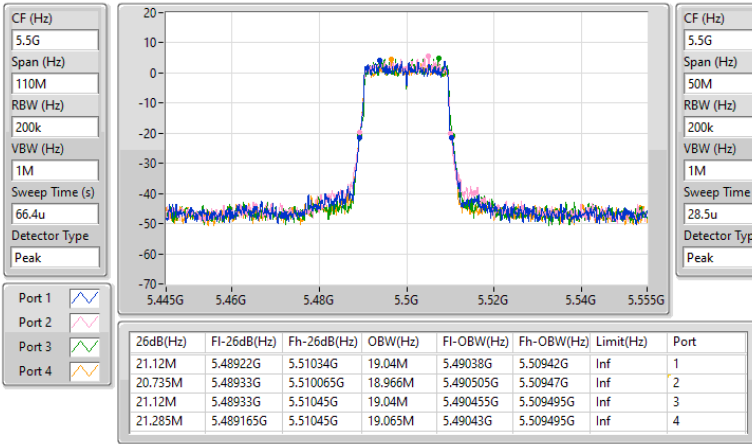


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

04/07/2025

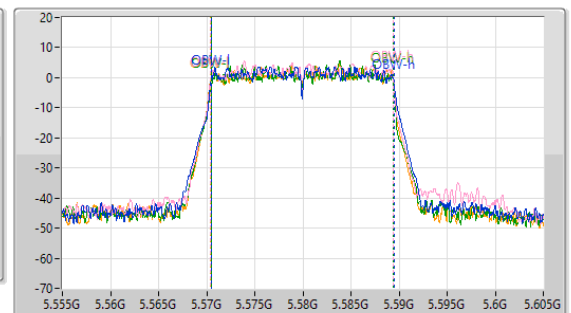
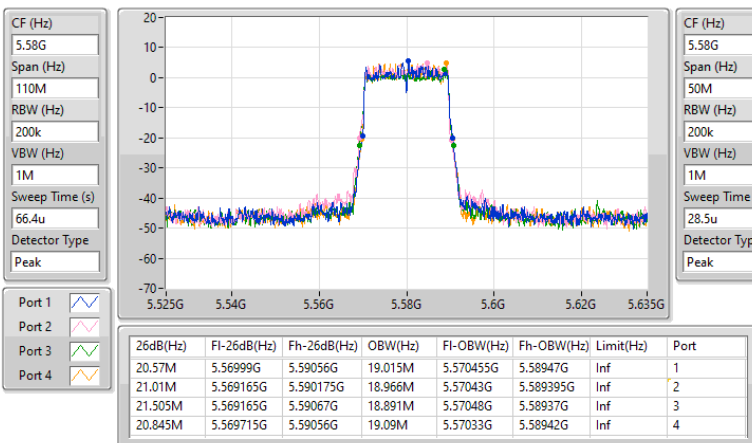


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

04/07/2025

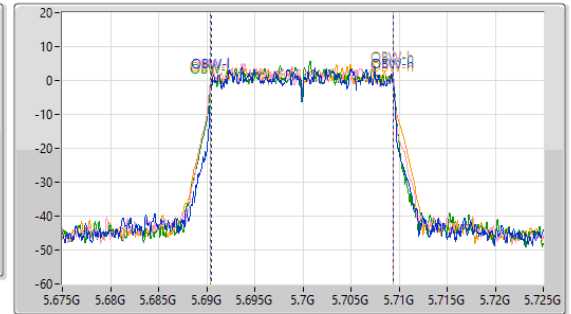
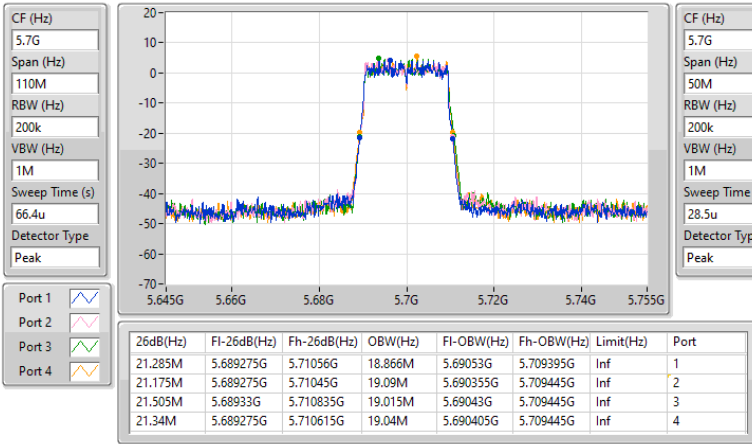


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

04/07/2025

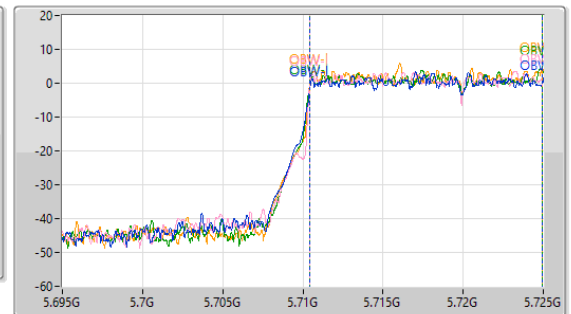
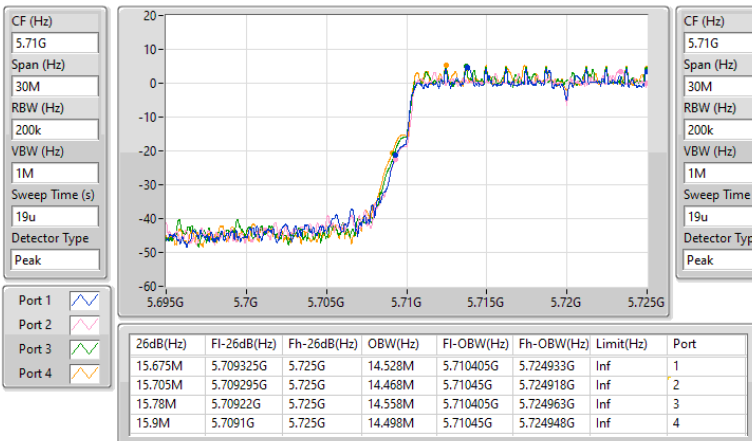


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/07/2025

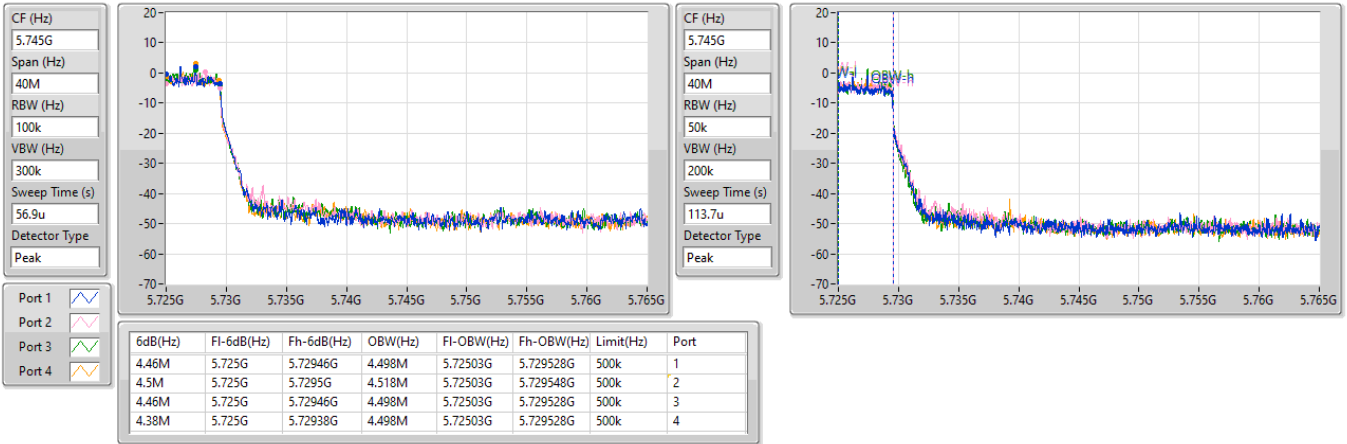


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/07/2025

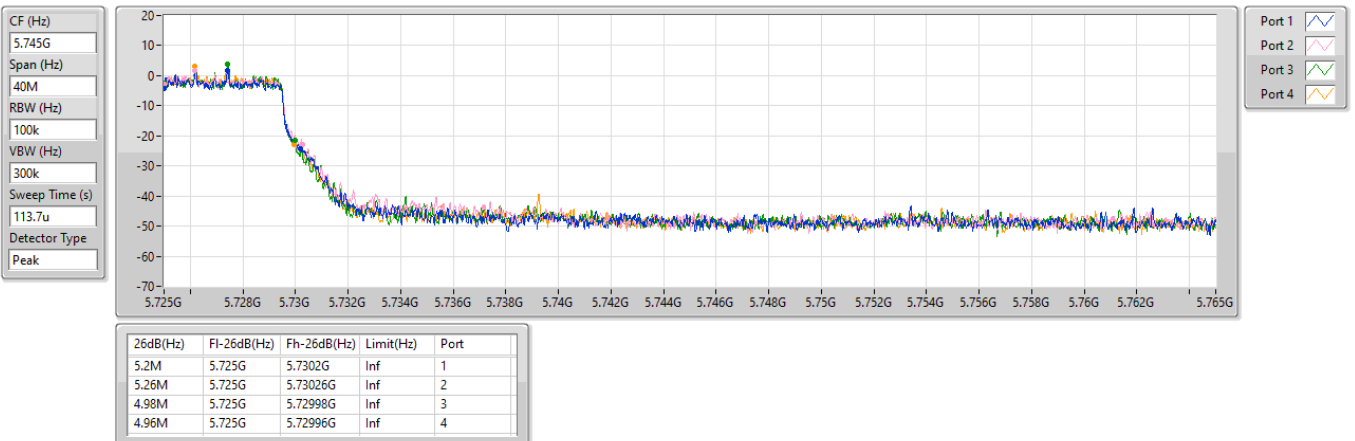


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/07/2025

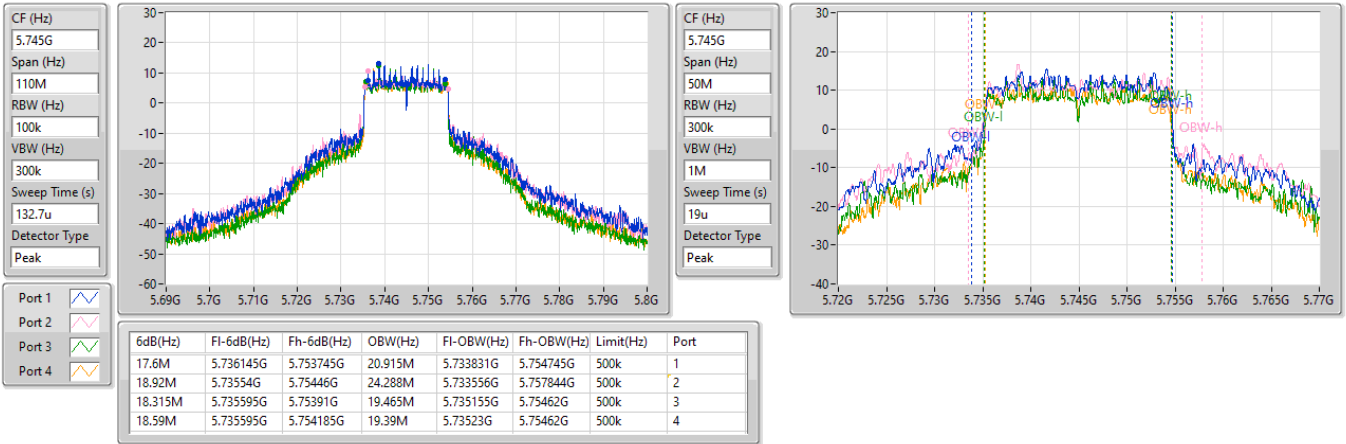


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

04/07/2025

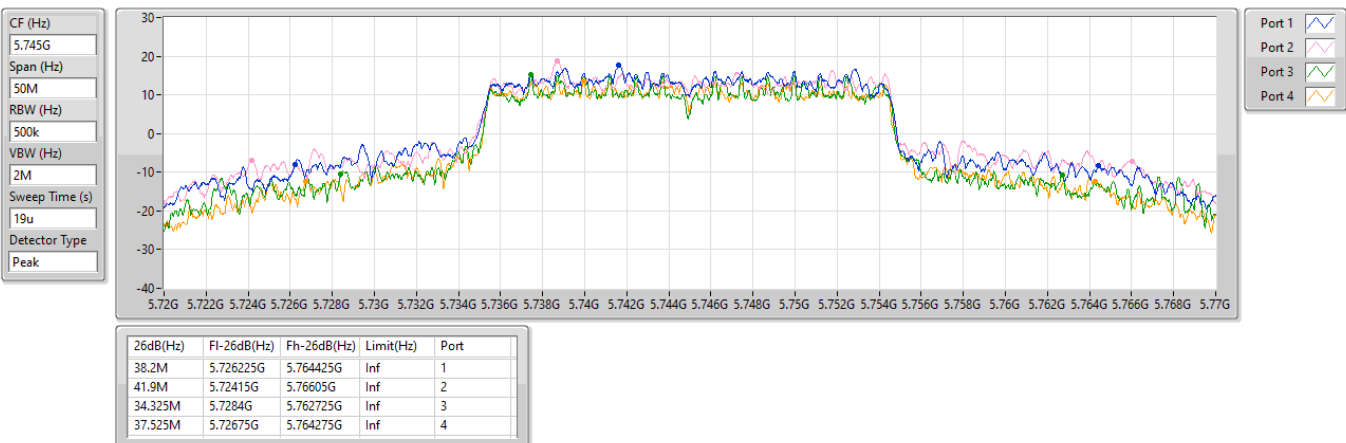


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

04/07/2025

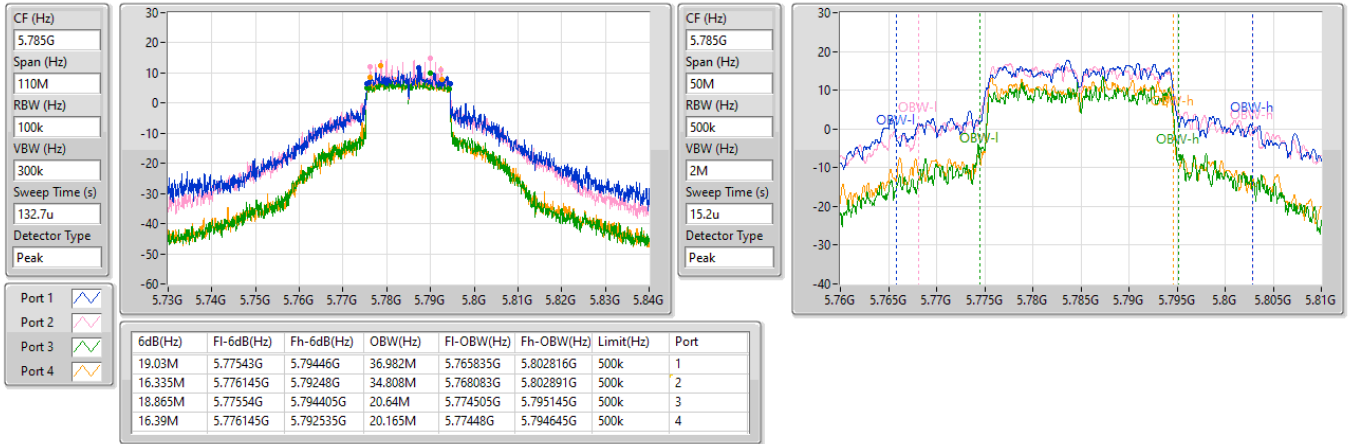


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

04/07/2025



5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

04/07/2025

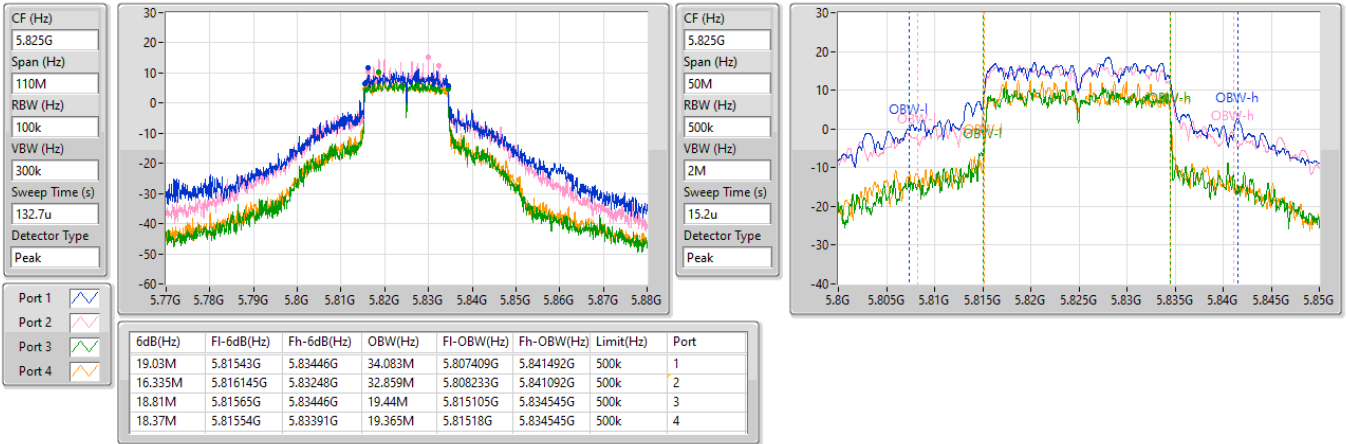


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

04/07/2025

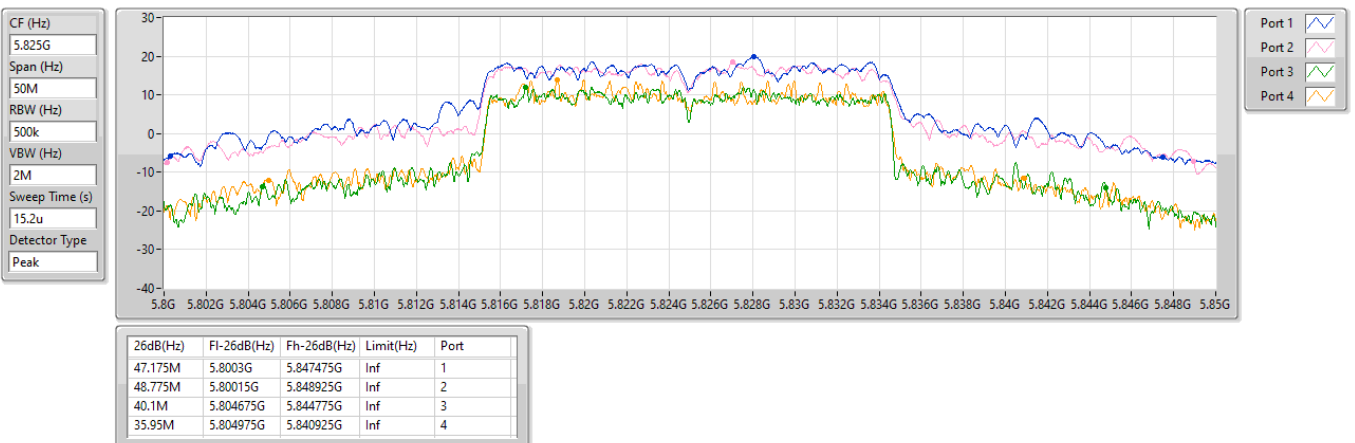


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

04/07/2025

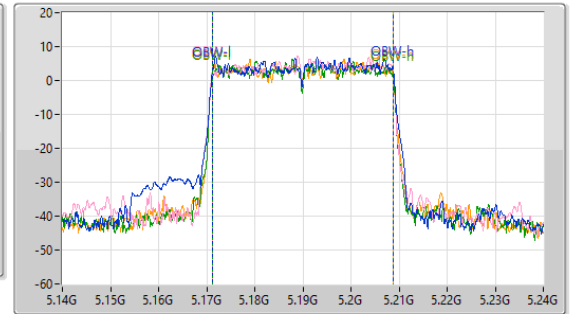
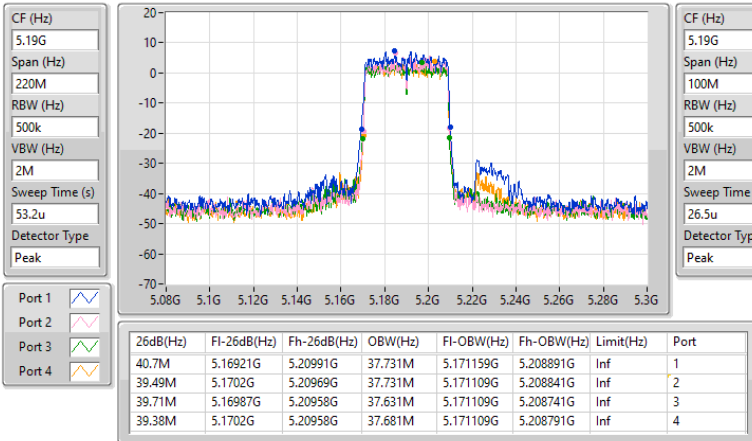


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

04/07/2025

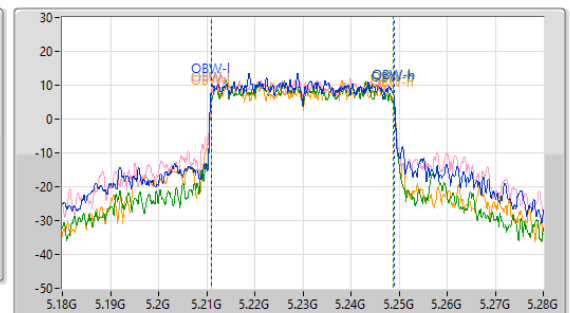
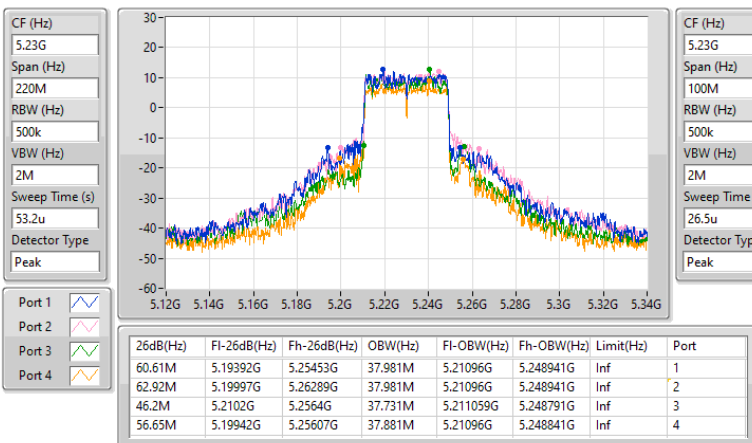


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

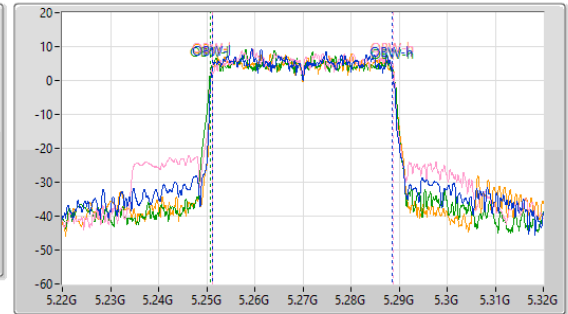
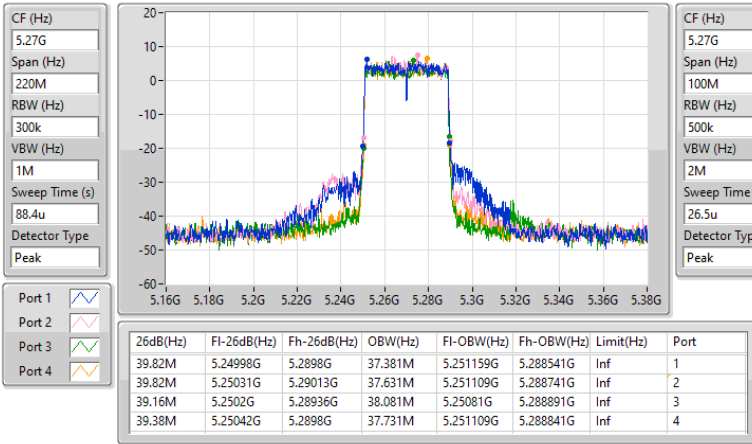
5230MHz

04/07/2025

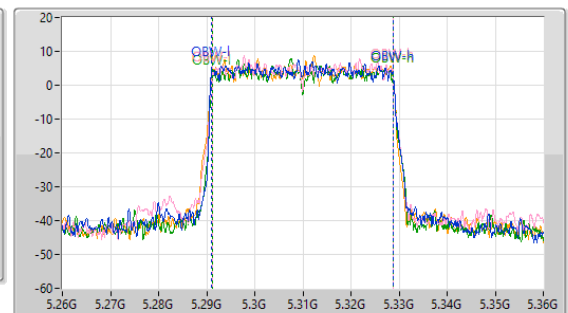
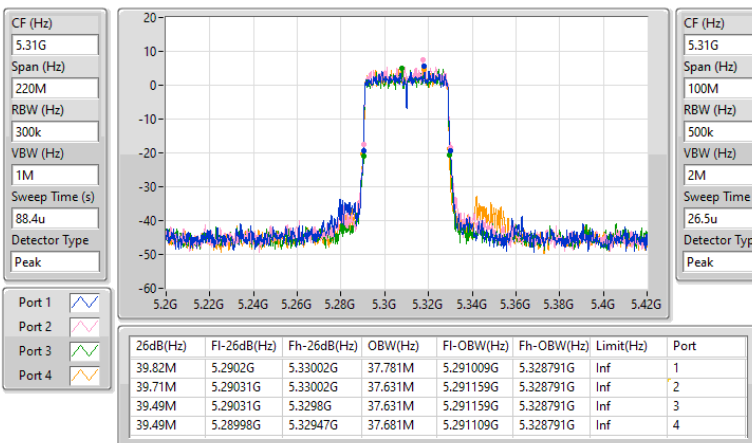


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

04/07/2025


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

04/07/2025

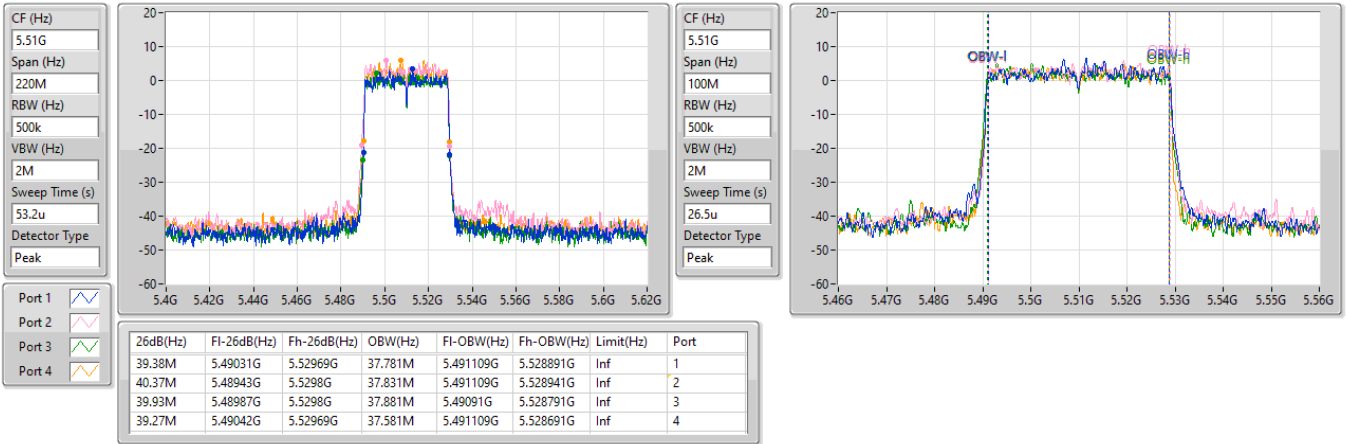


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

04/07/2025

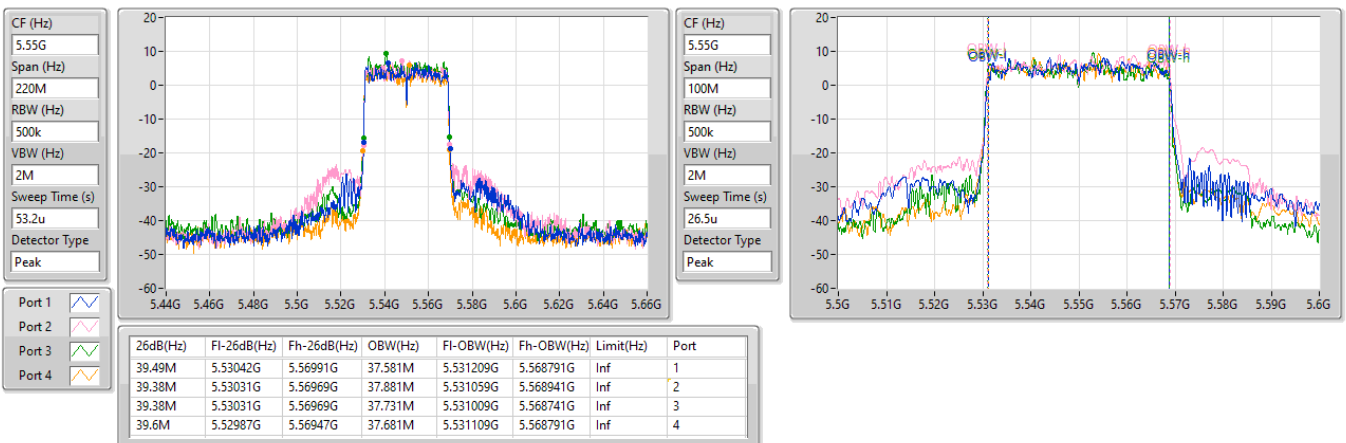


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

04/07/2025

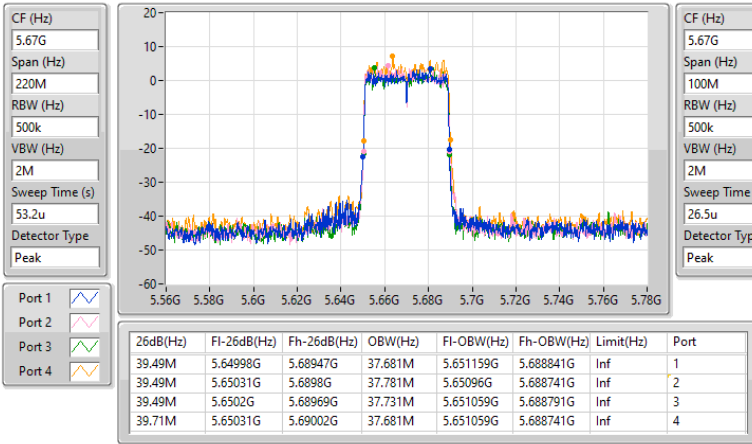


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

04/07/2025

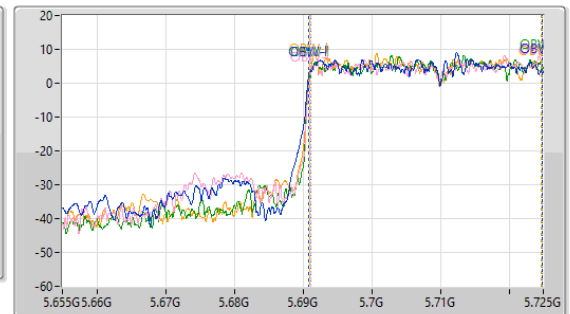
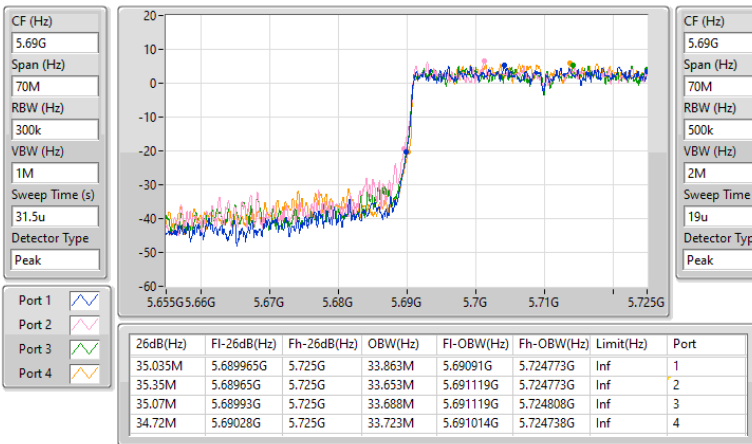


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

04/07/2025

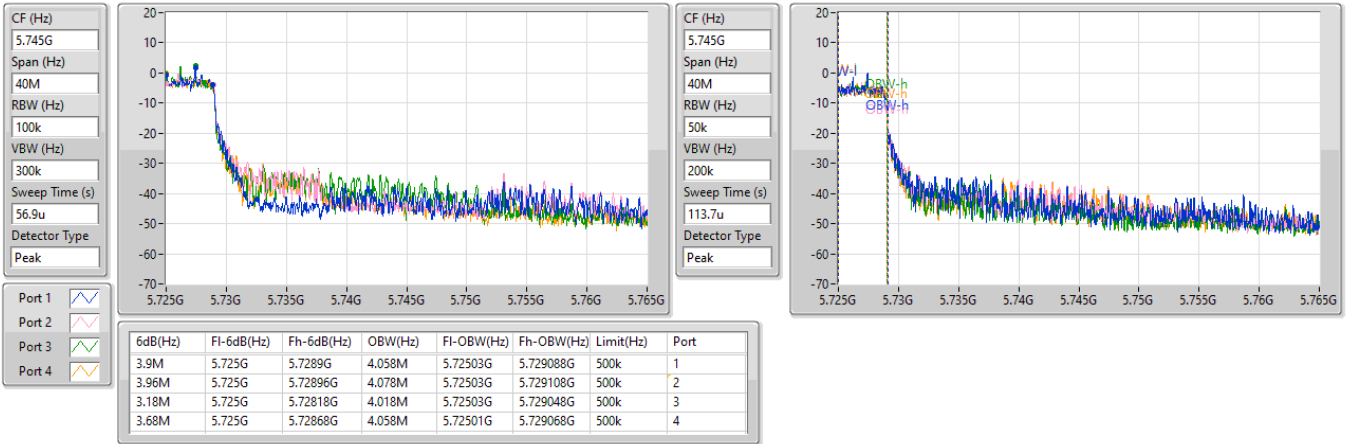


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/07/2025

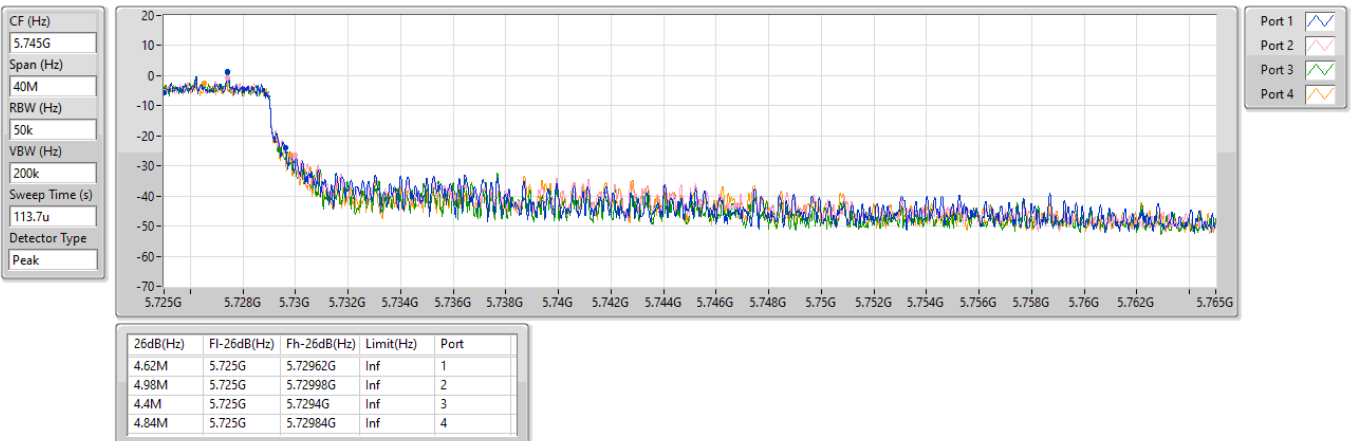


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/07/2025

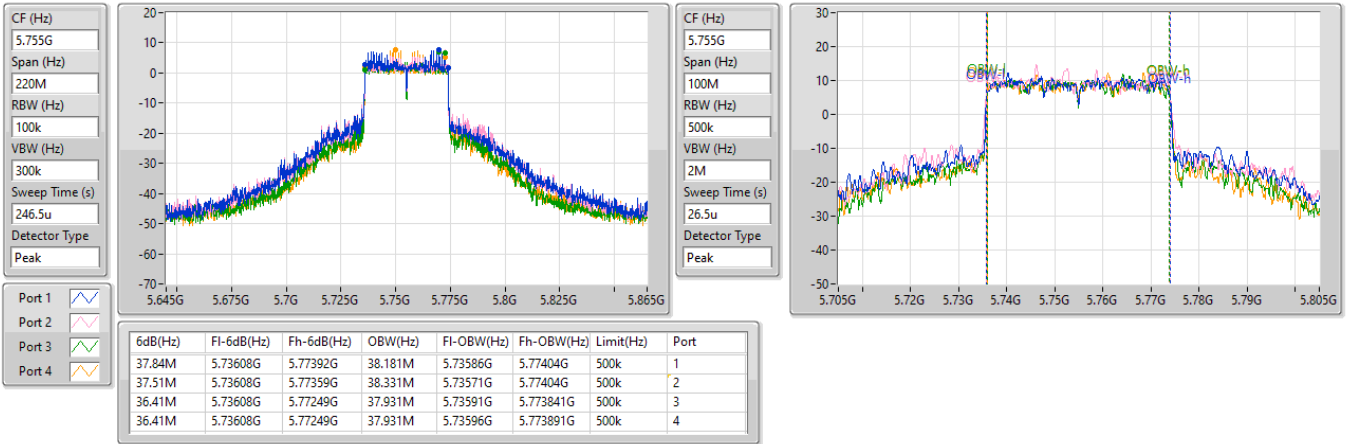


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

04/07/2025

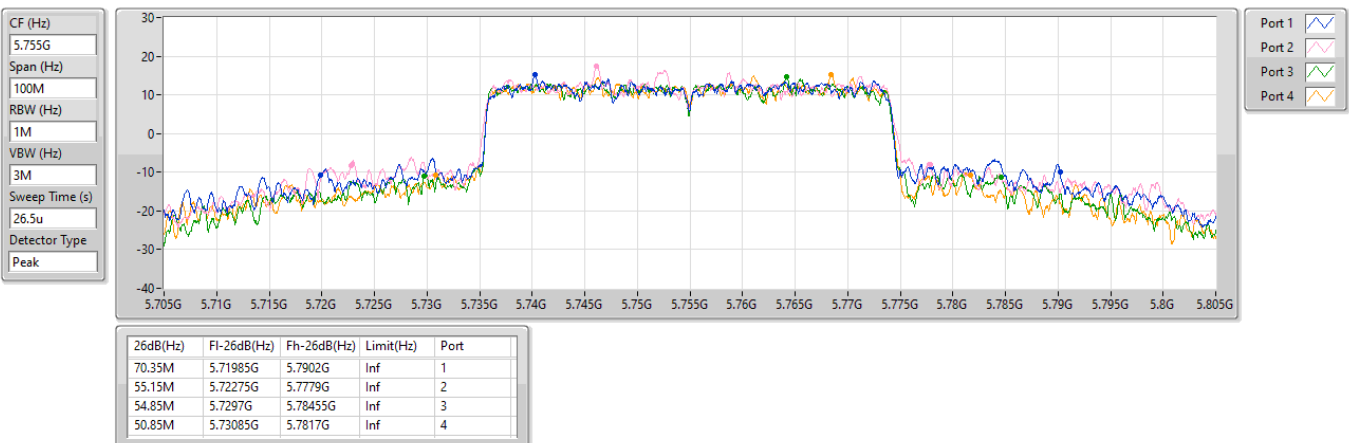


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

04/07/2025

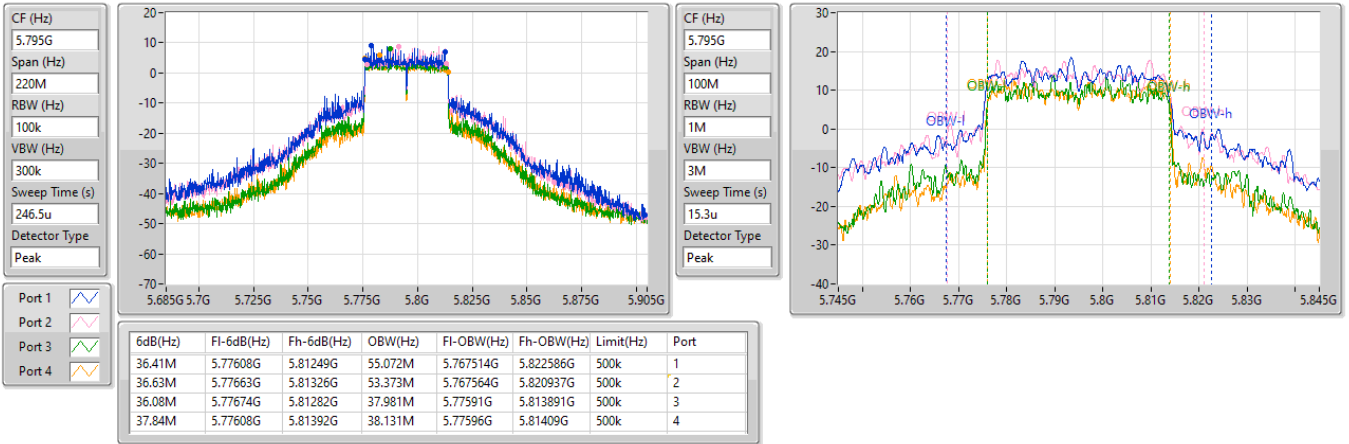


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

04/07/2025

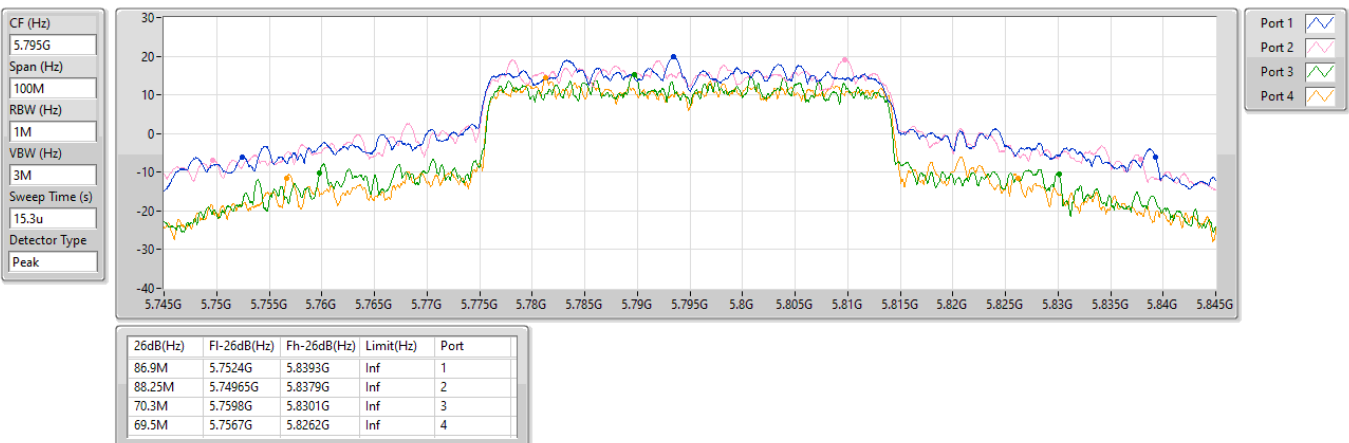


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

04/07/2025

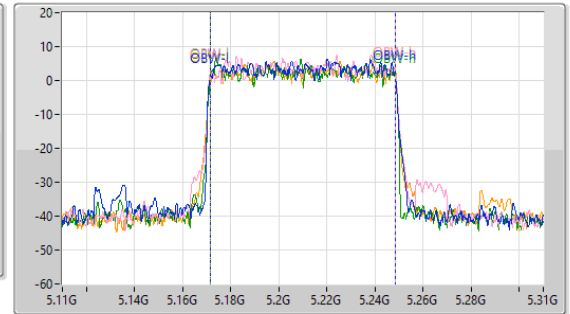
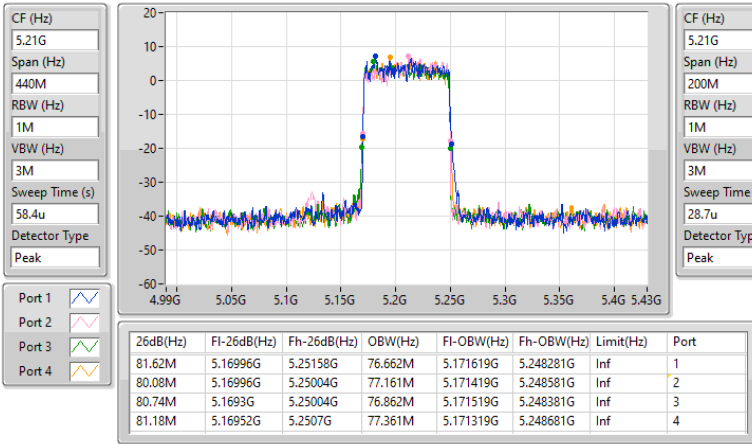


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

04/07/2025

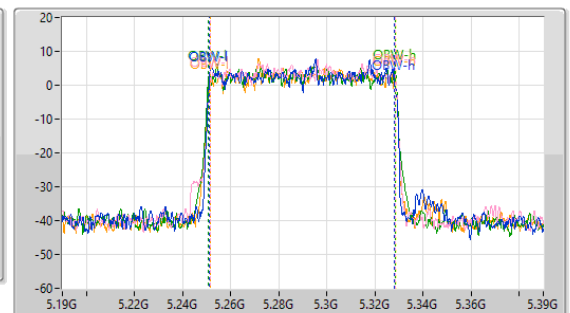
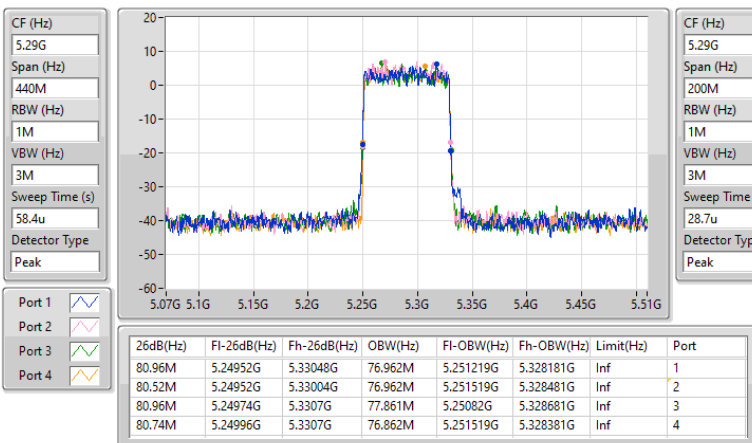


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5290MHz

04/07/2025

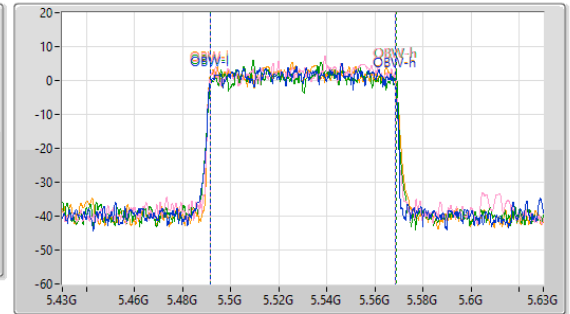
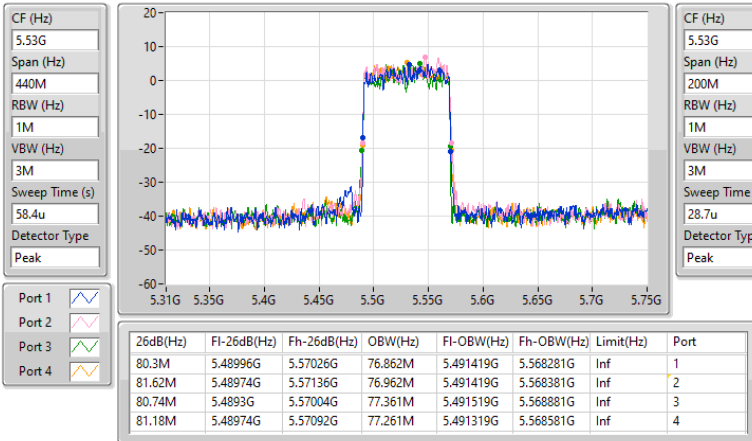


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

04/07/2025

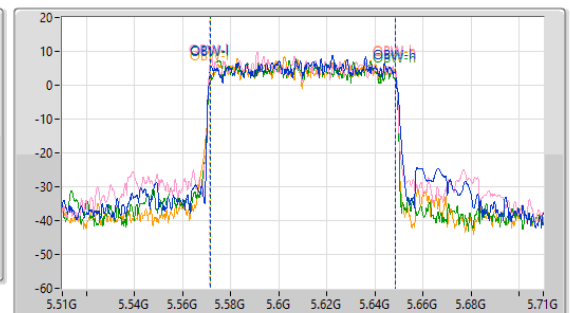
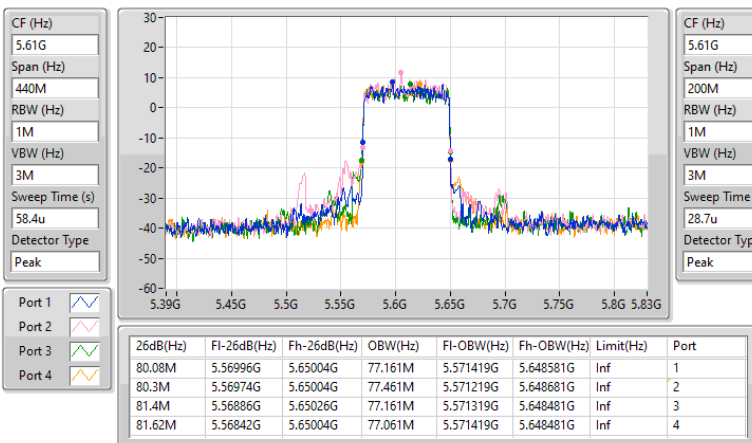


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

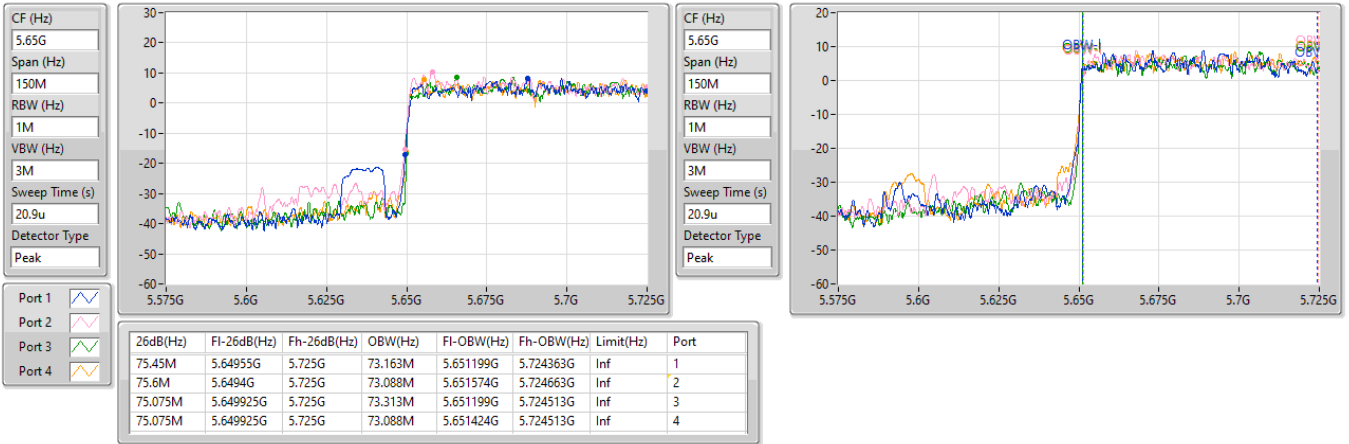
5610MHz

04/07/2025



5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

04/07/2025


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

04/07/2025

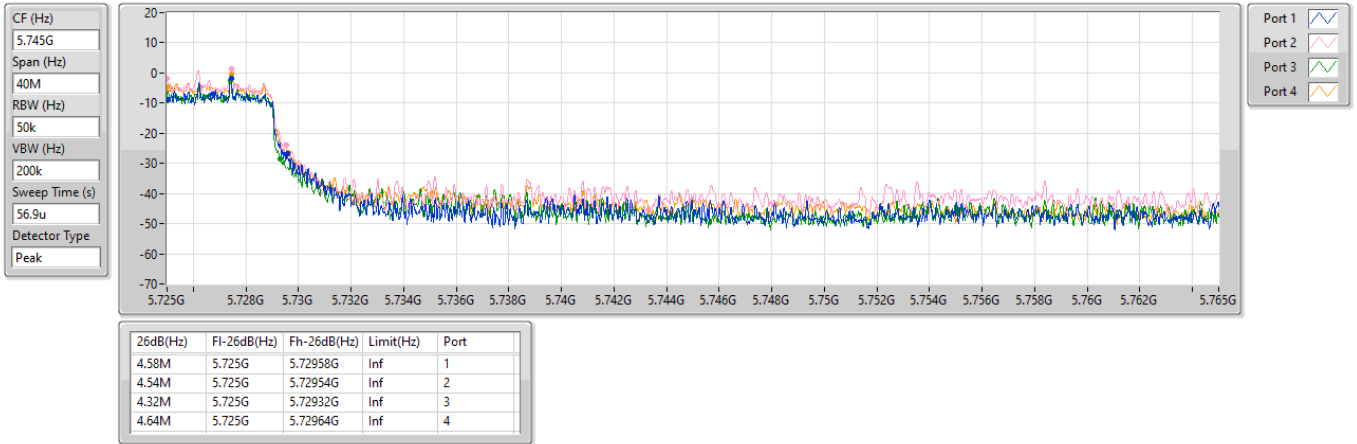


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/07/2025

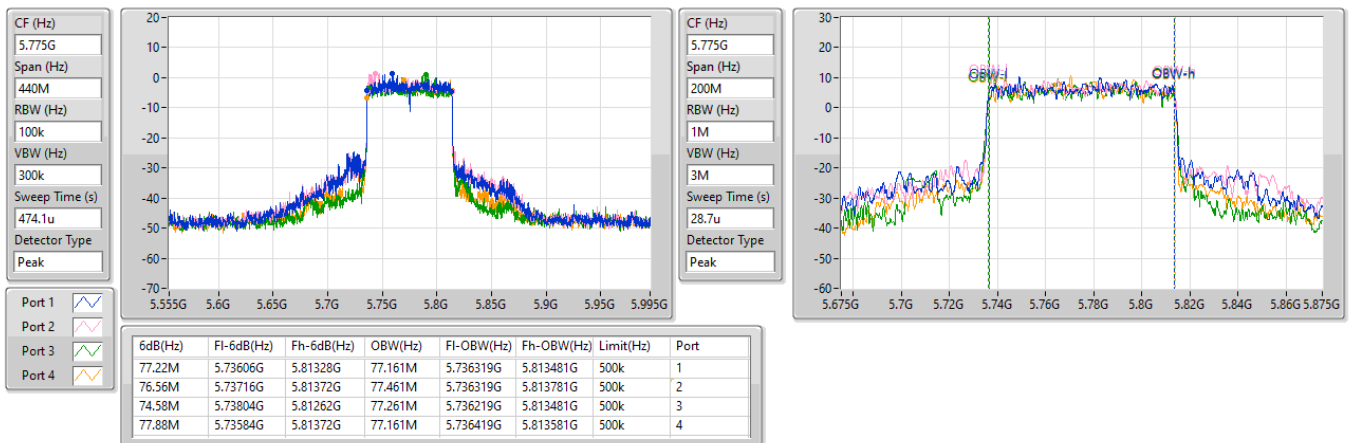


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

04/07/2025

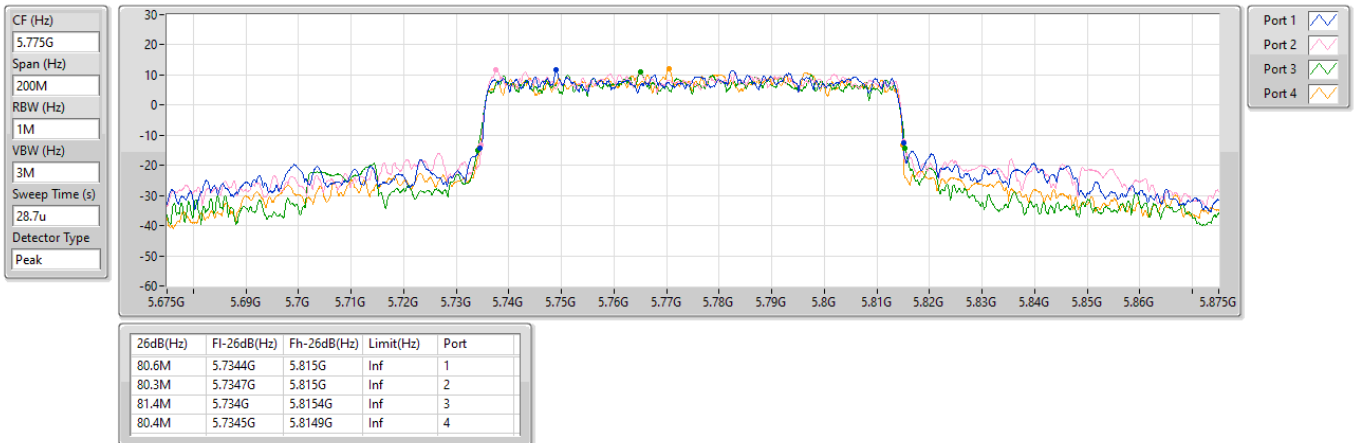


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5775MHz

04/07/2025

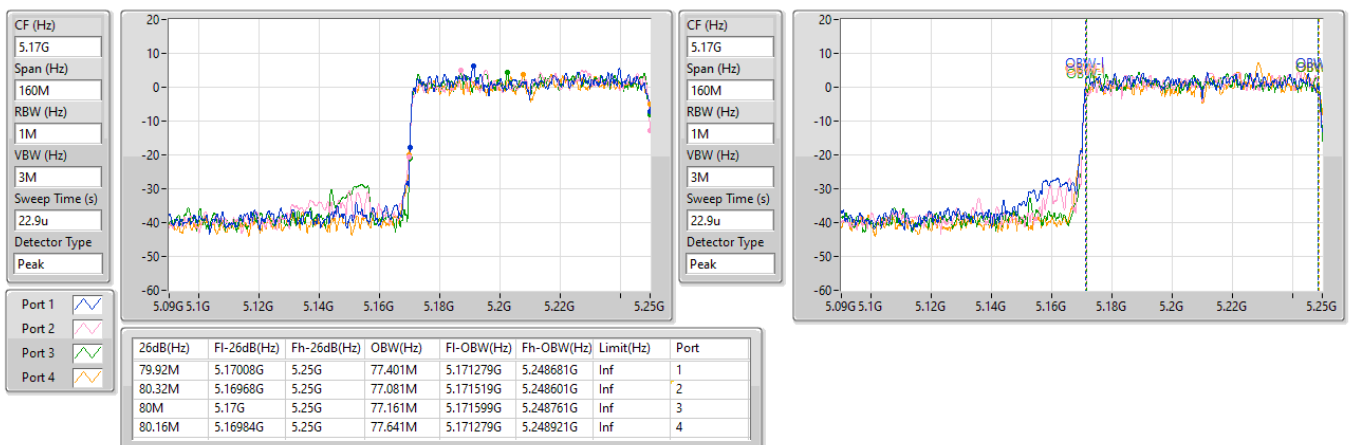


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

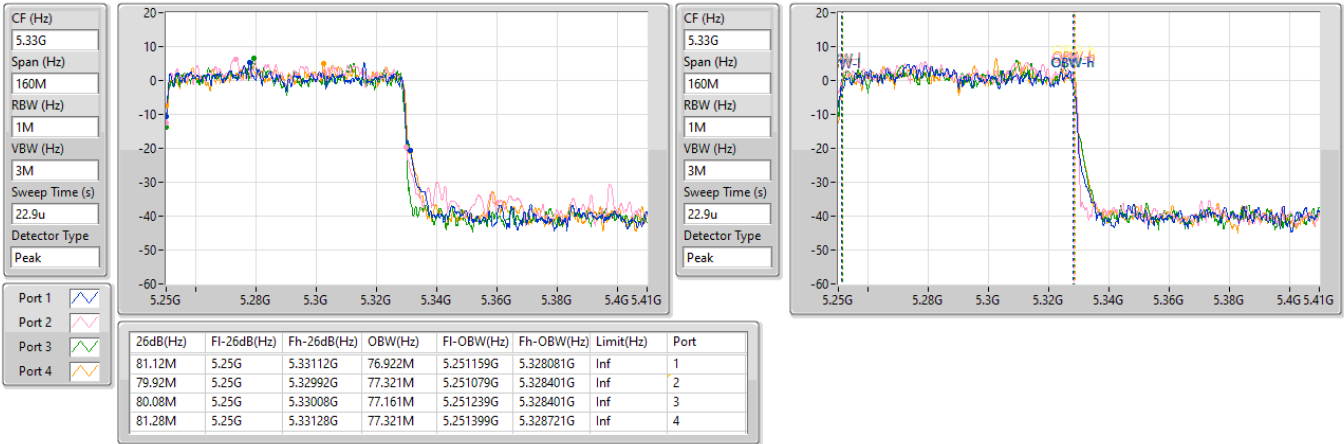
5250MHz Straddle 5.15-5.25GHz

04/07/2025

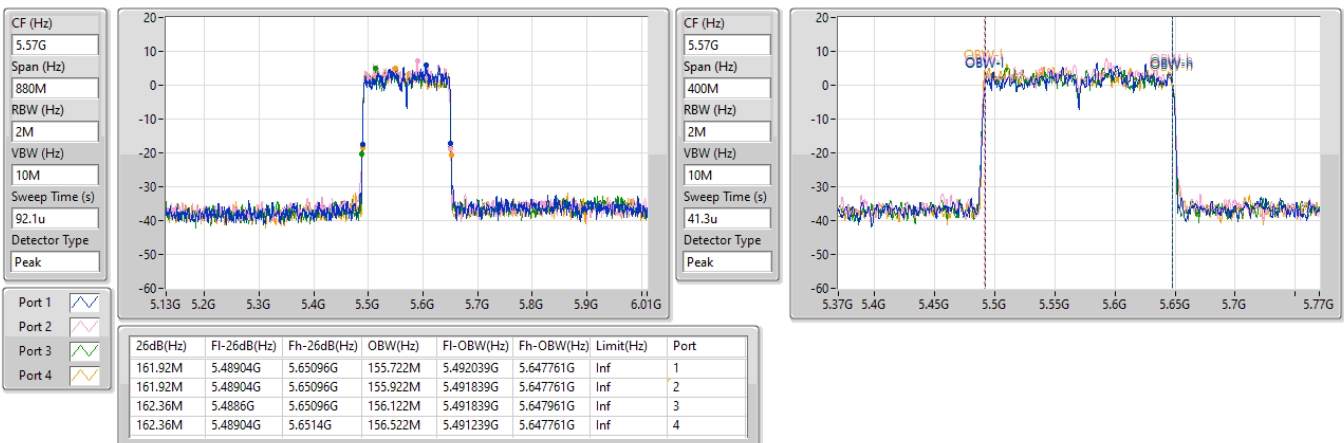


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.25-5.35GHz

04/07/2025


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_4TX
EBW
5570MHz

04/07/2025



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	41.36M	19.048M	19M0D1D	21.34M	16.939M
802.11ax HEW20_Nss1,(MCS0)_1TX	45.375M	19.669M	19M7D1D	21.505M	19.136M
802.11ax HEW40_Nss1,(MCS0)_1TX	67.21M	38.031M	38M0D1D	40.59M	37.754M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.5M	77.383M	77M4D1D	82.5M	77.383M
802.11ax HEW160_Nss1,(MCS0)_1TX	81.84M	77.418M	77M4D1D	81.84M	77.418M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	42.02M	19.291M	19M3D1D	21.34M	16.975M
802.11ax HEW20_Nss1,(MCS0)_1TX	44.605M	19.554M	19M6D1D	21.67M	19.099M
802.11ax HEW40_Nss1,(MCS0)_1TX	59.4M	38.004M	38M0D1D	40.48M	37.777M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.06M	77.227M	77M2D1D	82.06M	77.227M
802.11ax HEW160_Nss1,(MCS0)_1TX	81.68M	77.584M	77M6D1D	81.68M	77.584M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	38.665M	18.83M	18M8D1D	21.285M	14.882M
802.11ax HEW20_Nss1,(MCS0)_1TX	45.705M	19.502M	19M5D1D	21.56M	14.927M
802.11ax HEW40_Nss1,(MCS0)_1TX	77.33M	38.375M	38M4D1D	40.48M	34.482M
802.11ax HEW80_Nss1,(MCS0)_1TX	124.74M	77.748M	77M7D1D	82.28M	74.244M
802.11ax HEW160_Nss1,(MCS0)_1TX	165M	156.567M	157MD1D	165M	156.567M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.335M	36.443M	36M4D1D	3.16M	11.299M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.865M	40.024M	40M0D1D	4.5M	10.868M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.84M	66.192M	66M2D1D	3.98M	23.966M
802.11ax HEW80_Nss1,(MCS0)_1TX	75.9M	78.455M	78M5D1D	3.96M	35.624M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.34M	16.939M
5200MHz	Pass	Inf	41.085M	19.048M
5240MHz	Pass	Inf	41.36M	18.792M
5260MHz	Pass	Inf	41.36M	18.428M
5300MHz	Pass	Inf	42.02M	19.291M
5320MHz	Pass	Inf	21.34M	16.975M
5500MHz	Pass	Inf	22.77M	17M
5580MHz	Pass	Inf	38.665M	18.83M
5700MHz	Pass	Inf	21.285M	16.89M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.055M	14.882M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	11.299M
5745MHz	Pass	500k	16.335M	36.064M
5785MHz	Pass	500k	16.335M	36.443M
5825MHz	Pass	500k	16.335M	36.091M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.505M	19.136M
5200MHz	Pass	Inf	39.875M	19.372M
5240MHz	Pass	Inf	45.375M	19.669M
5260MHz	Pass	Inf	43.89M	19.554M
5300MHz	Pass	Inf	44.605M	19.379M
5320MHz	Pass	Inf	21.67M	19.099M
5500MHz	Pass	Inf	21.56M	19.074M
5580MHz	Pass	Inf	45.705M	19.502M
5700MHz	Pass	Inf	21.78M	19.071M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.92M	14.927M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	10.868M
5745MHz	Pass	500k	18.04M	39.689M
5785MHz	Pass	500k	18.865M	40.024M
5825MHz	Pass	500k	18.645M	39.733M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.59M	37.754M
5230MHz	Pass	Inf	67.21M	38.031M
5270MHz	Pass	Inf	59.4M	38.004M
5310MHz	Pass	Inf	40.48M	37.777M
5510MHz	Pass	Inf	40.48M	37.741M
5550MHz	Pass	Inf	77.33M	38.375M
5670MHz	Pass	Inf	42.9M	37.828M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.985M	34.482M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	23.966M
5755MHz	Pass	500k	37.84M	55.367M
5795MHz	Pass	500k	37.62M	66.192M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	82.5M	77.383M
5290MHz	Pass	Inf	82.06M	77.227M
5530MHz	Pass	Inf	82.28M	77.393M
5610MHz	Pass	Inf	124.74M	77.748M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	117.825M	74.244M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	35.624M
5775MHz	Pass	500k	75.9M	78.455M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-



EBW_Mode 2

Appendix B.2

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.84M	77.418M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.68M	77.584M
5570MHz	Pass	Inf	165M	156.567M

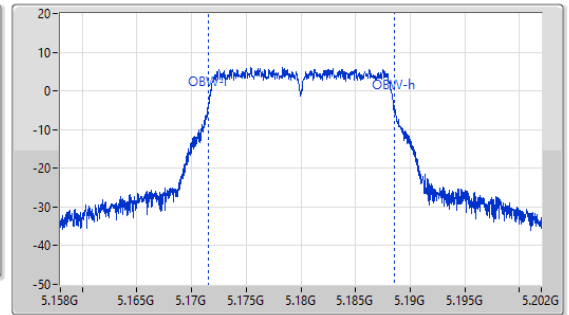
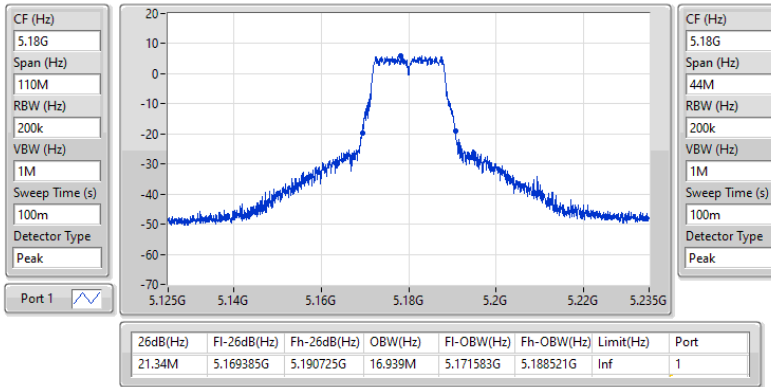
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5180MHz

01/07/2025

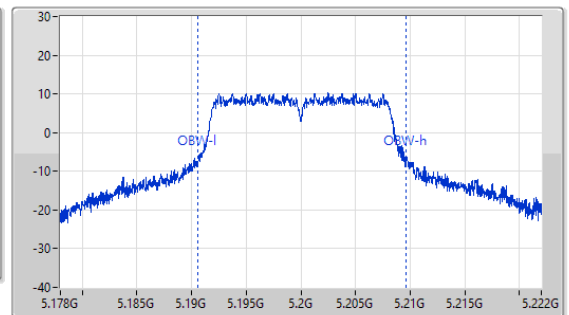
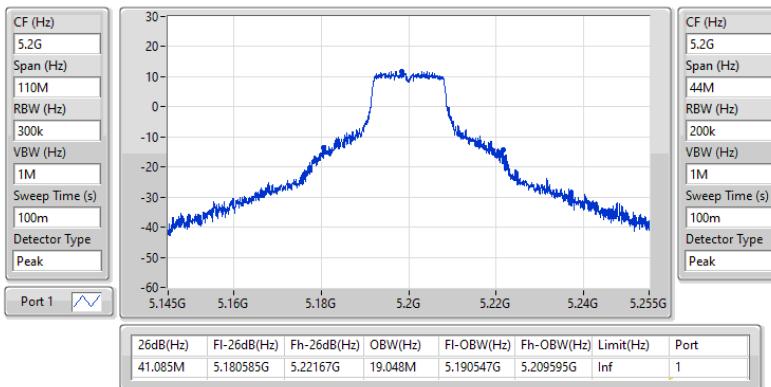


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

01/07/2025

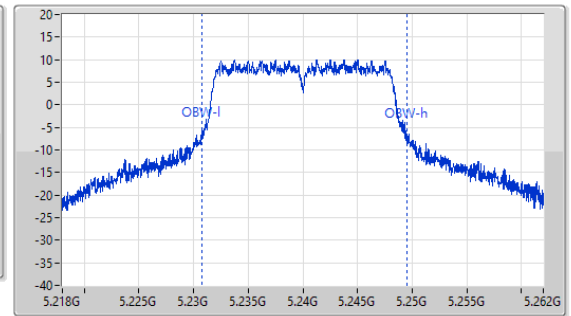
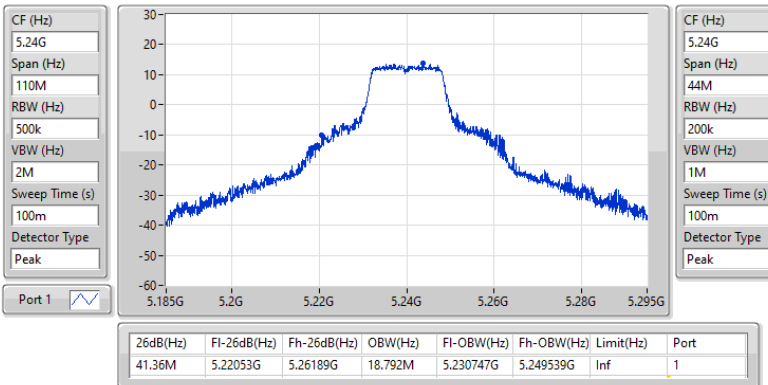


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

01/07/2025

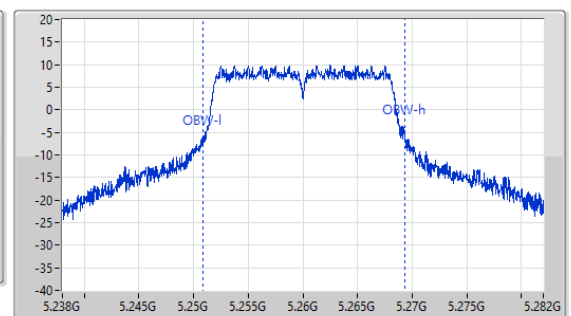
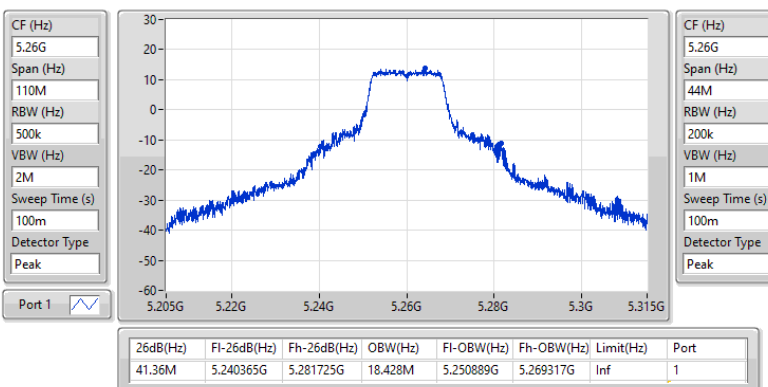


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

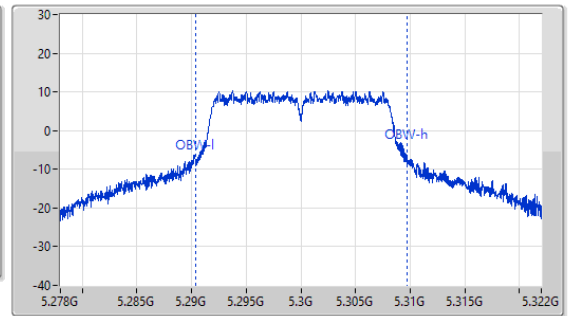
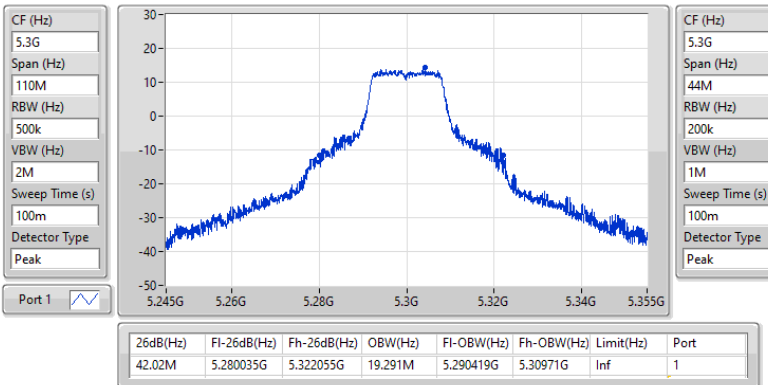
5260MHz

01/07/2025

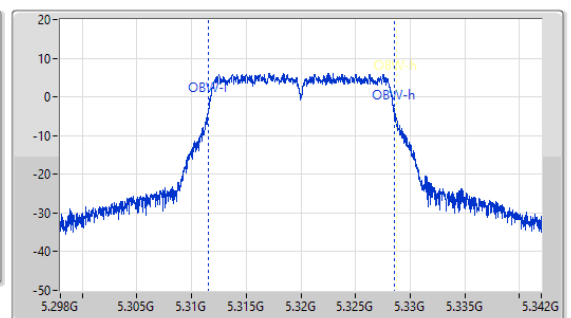
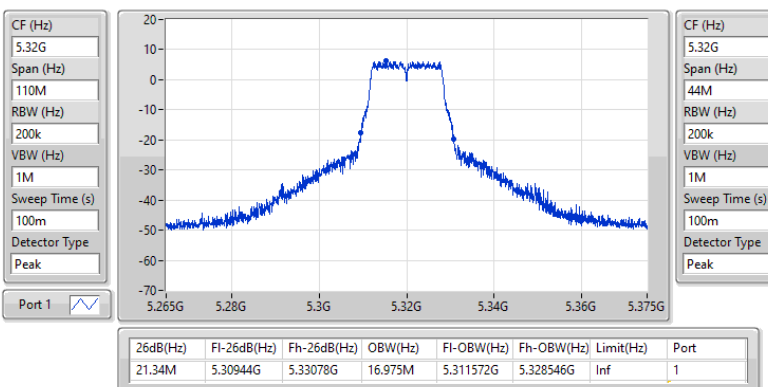


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

01/07/2025

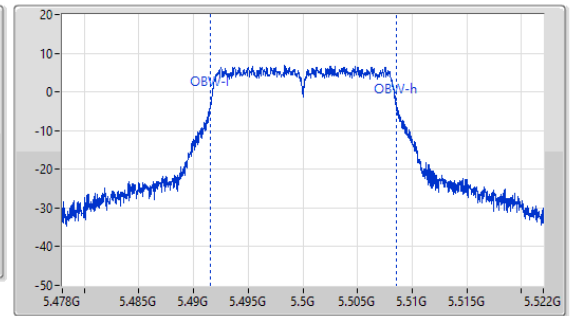
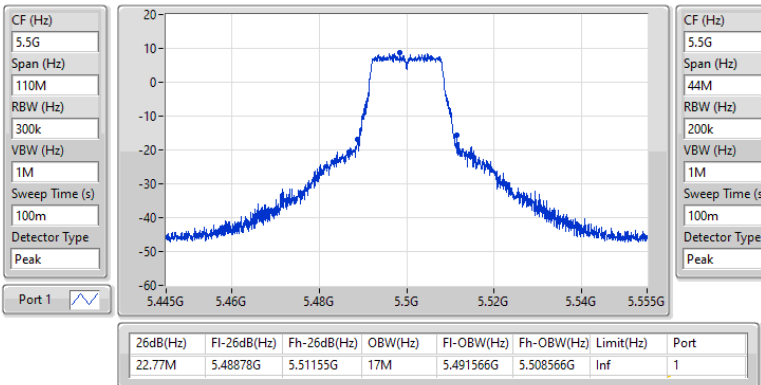

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

01/07/2025

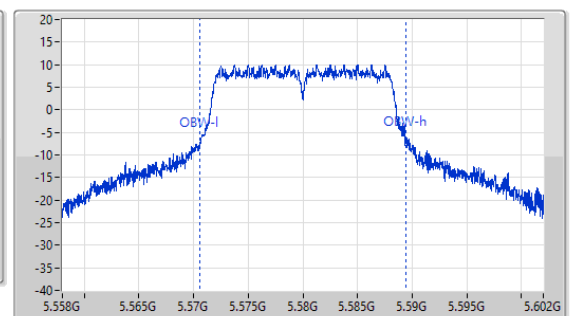
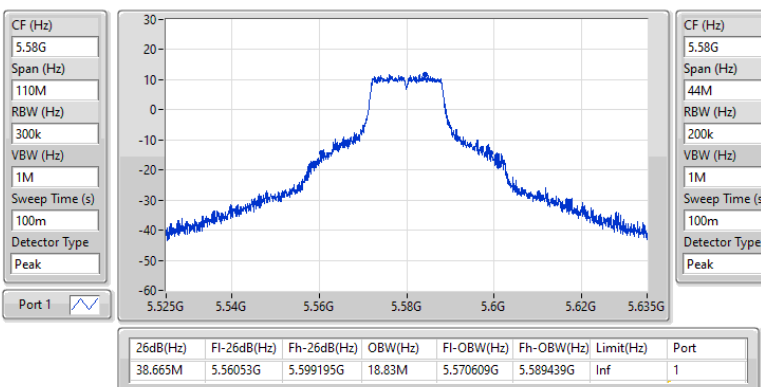


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5500MHz

01/07/2025


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5580MHz

01/07/2025

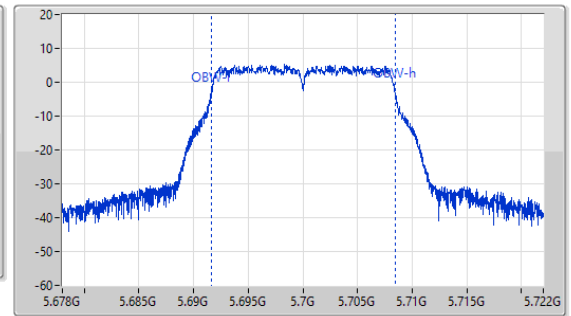
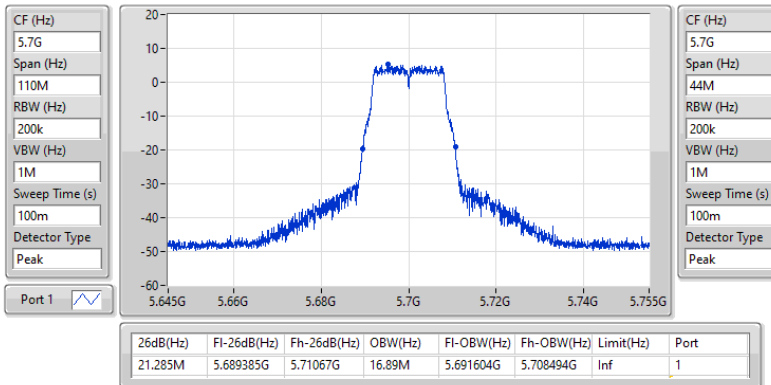


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

01/07/2025

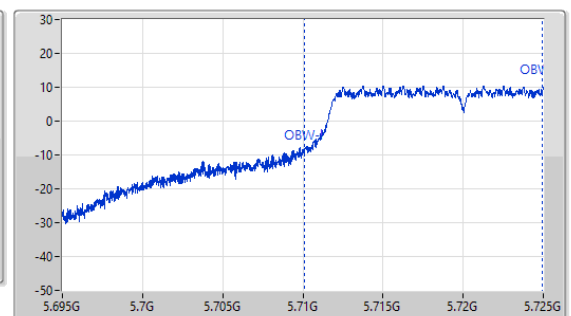
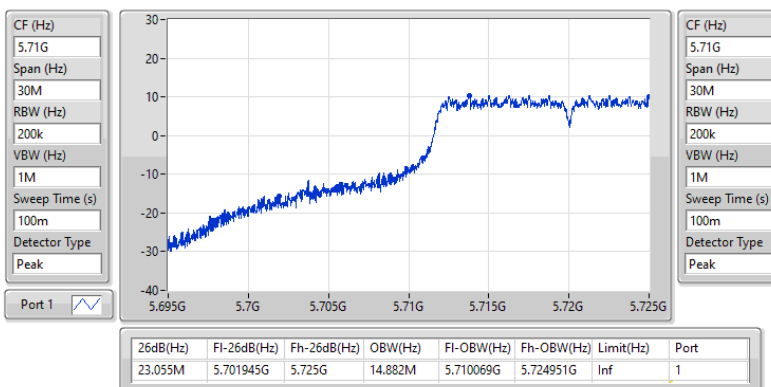


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

01/07/2025

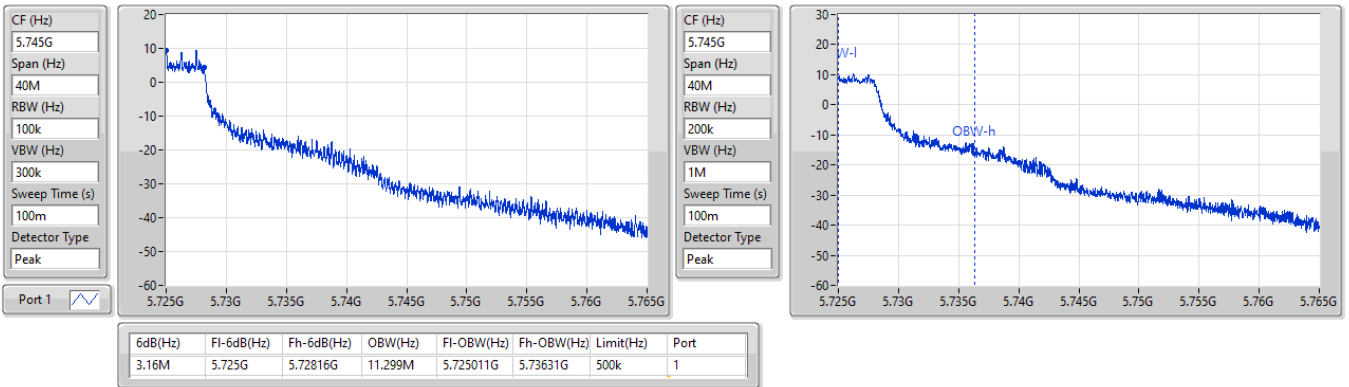


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

01/07/2025

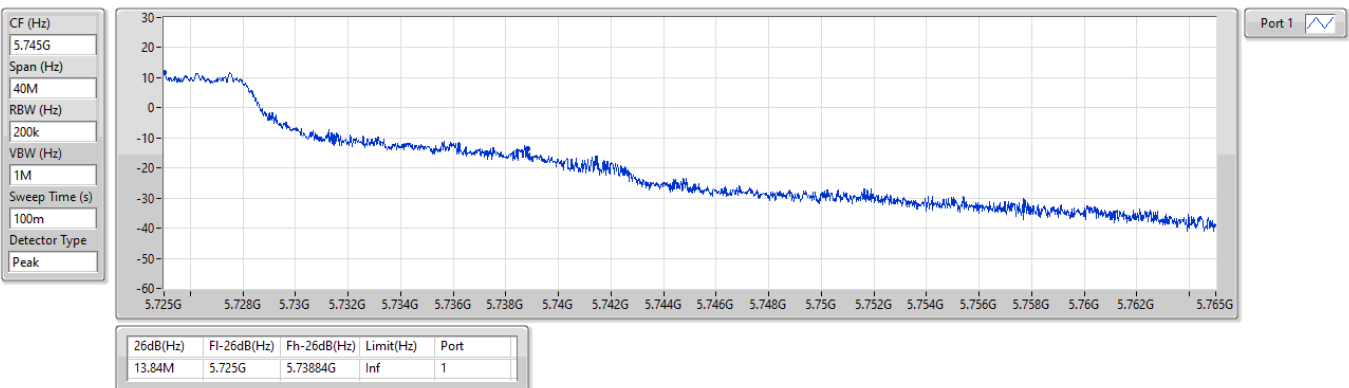


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

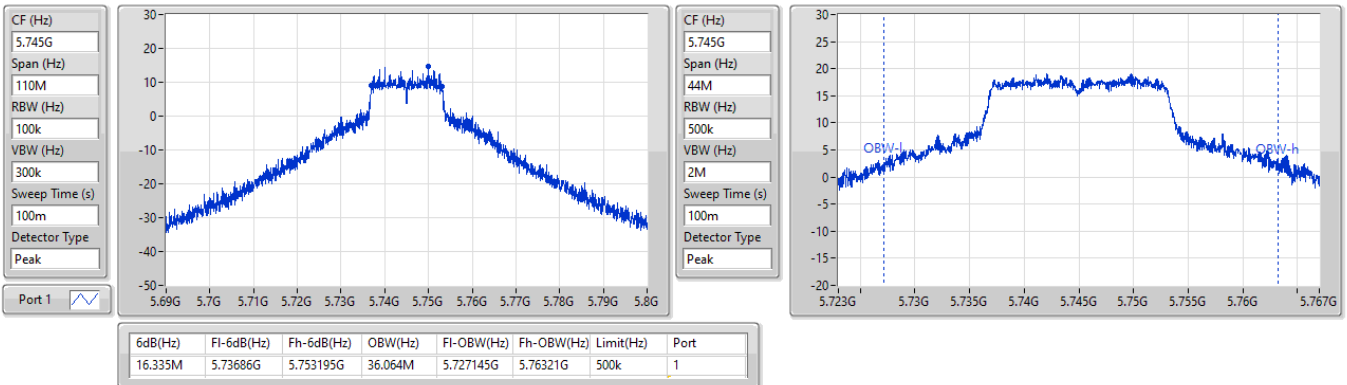
5720MHz Straddle 5.725-5.85GHz

01/07/2025

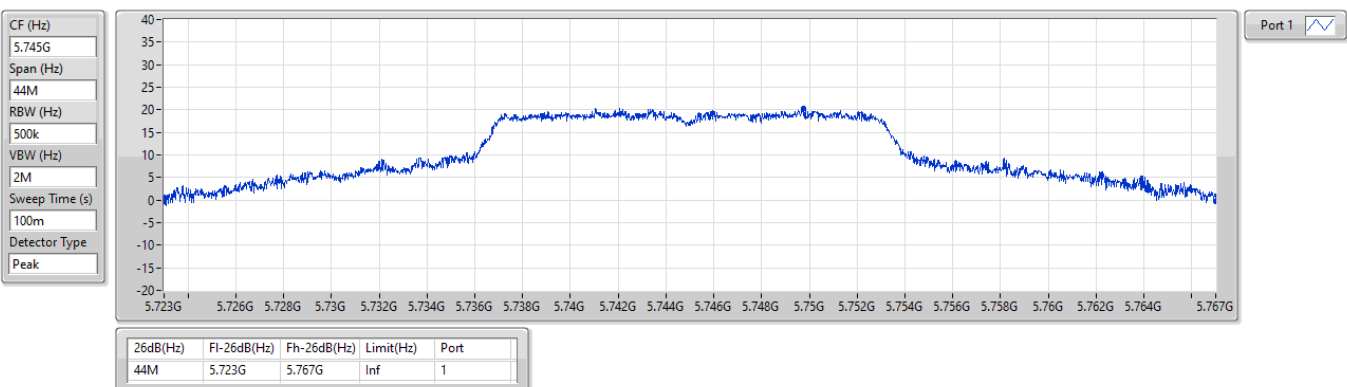


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5745MHz

01/07/2025


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5745MHz

01/07/2025

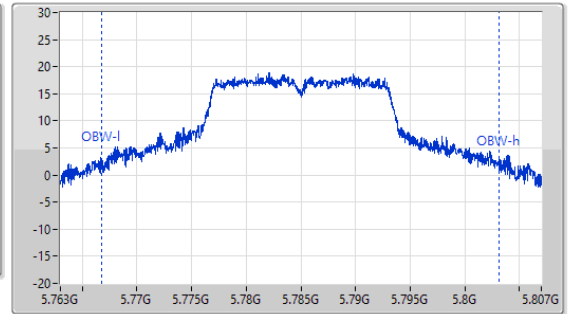
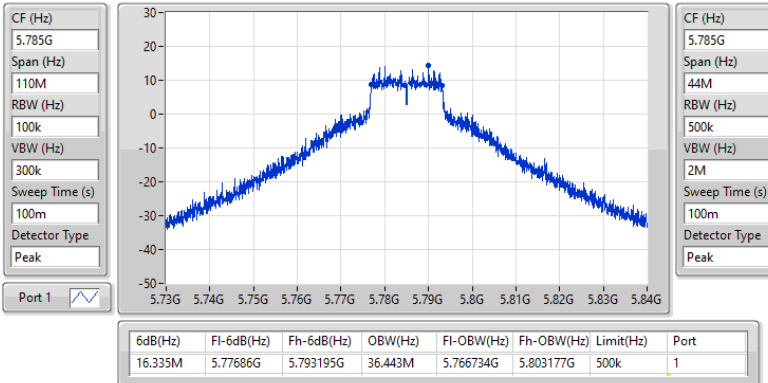


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

01/07/2025

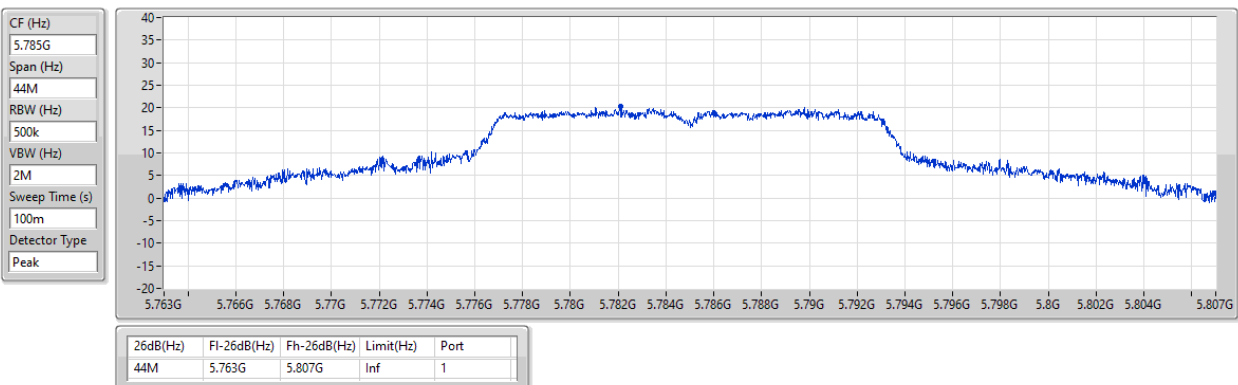


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

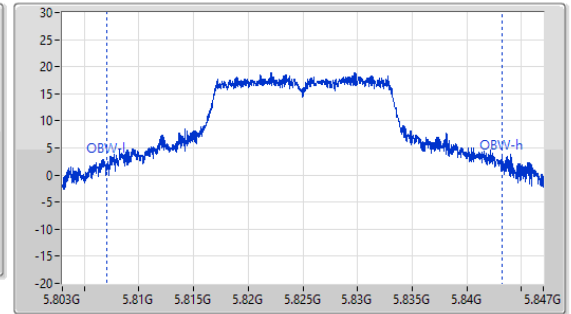
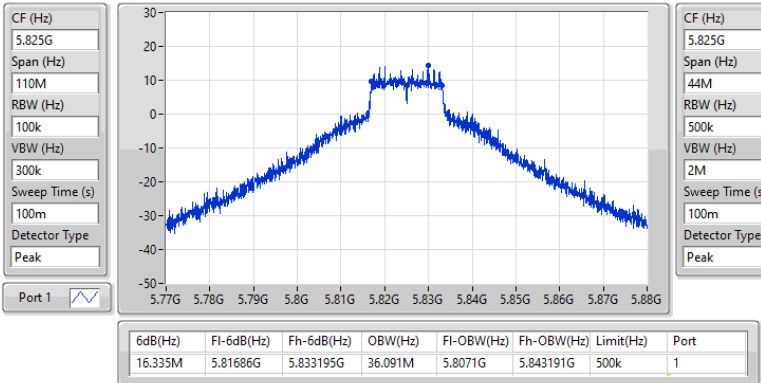
5785MHz

01/07/2025

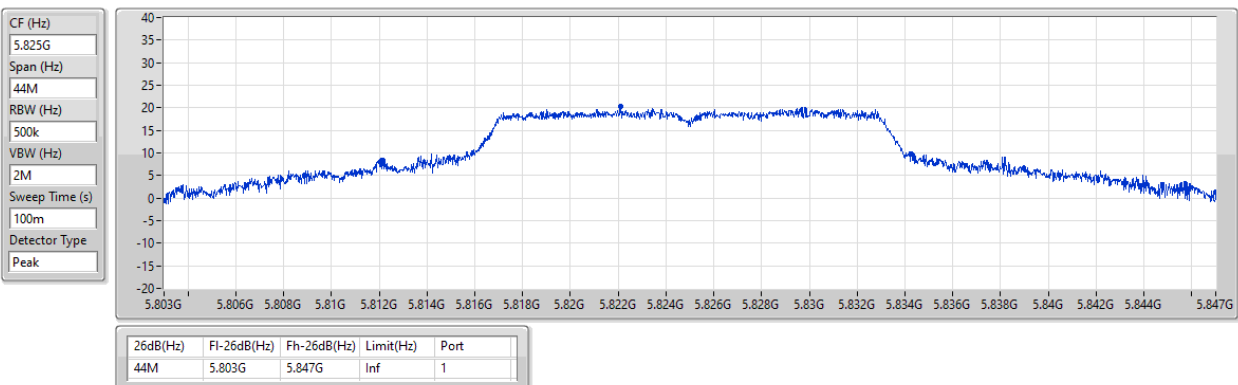


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5825MHz

01/07/2025


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5825MHz

01/07/2025

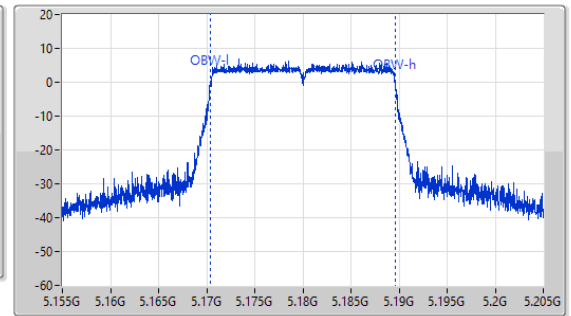
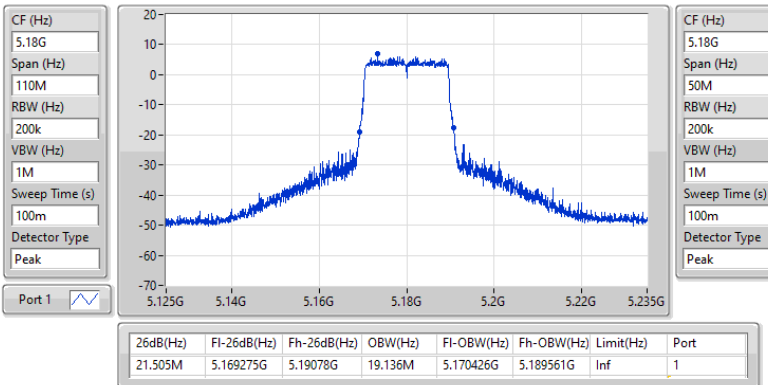


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

5180MHz

01/07/2025

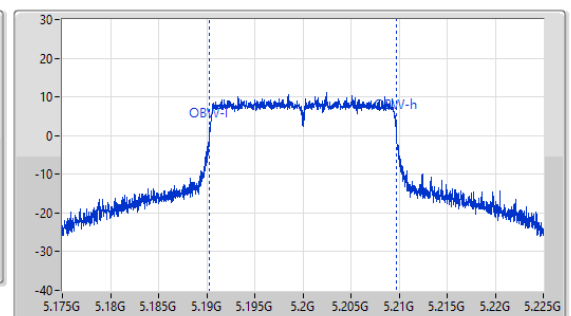
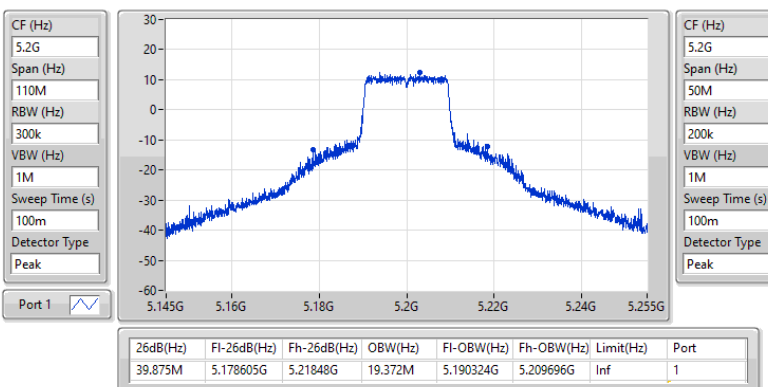


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

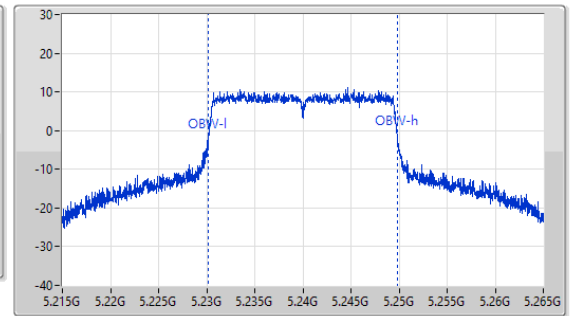
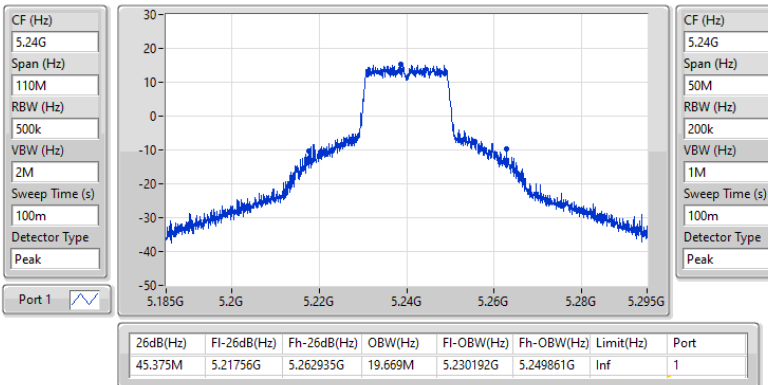
5200MHz

01/07/2025

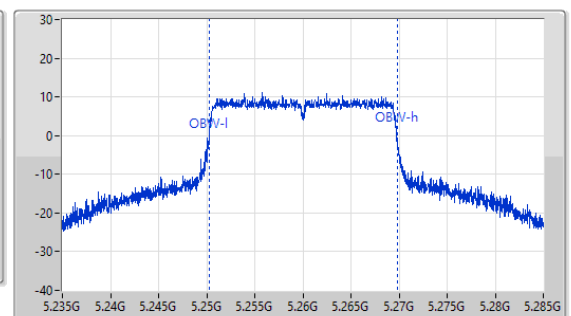
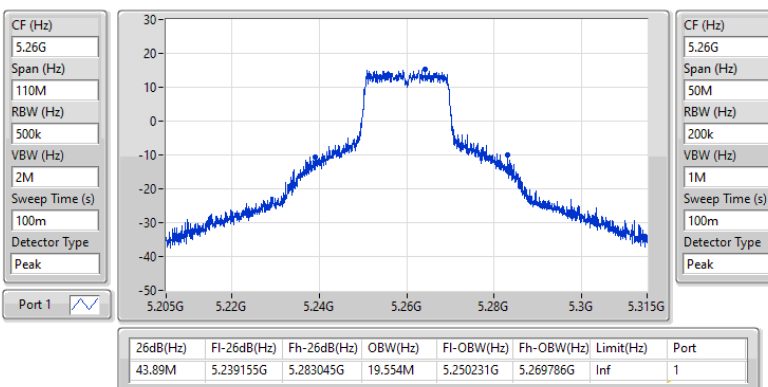


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5240MHz

01/07/2025

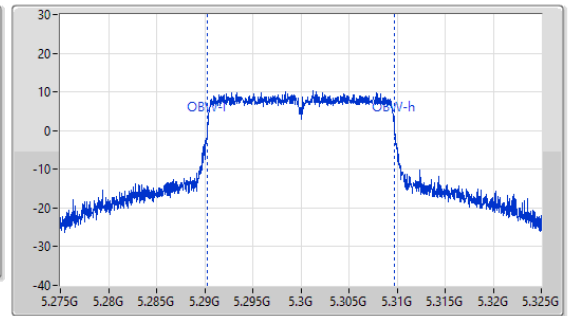
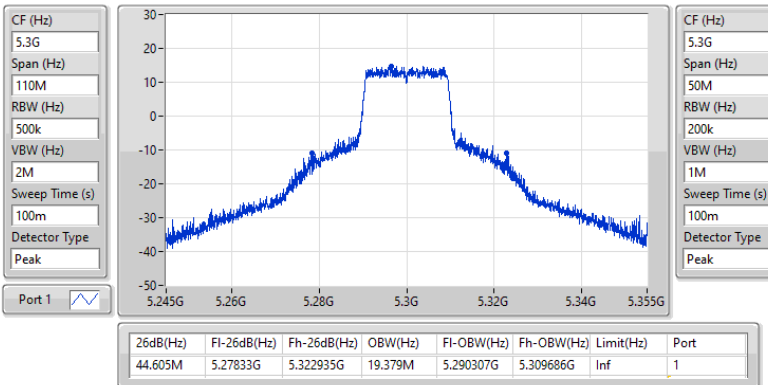

5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5260MHz

02/07/2025

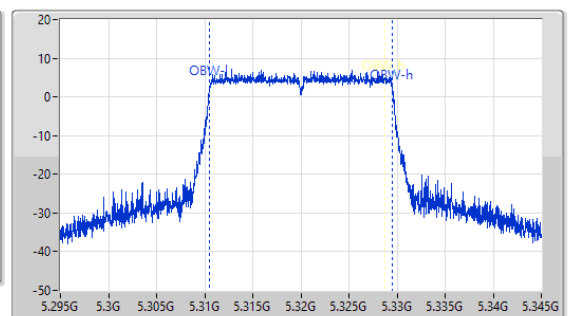
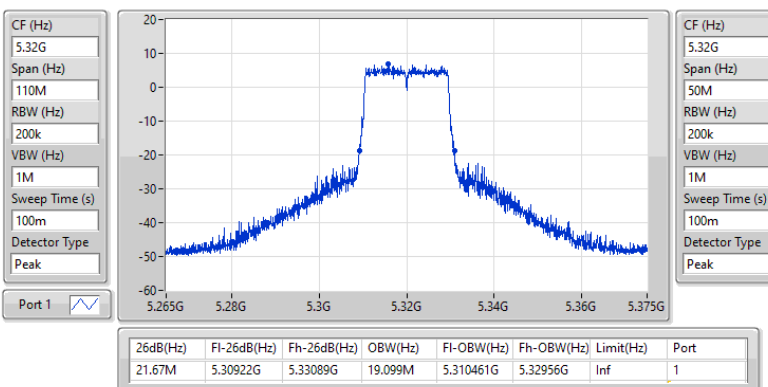


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5300MHz

02/07/2025


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5320MHz

02/07/2025

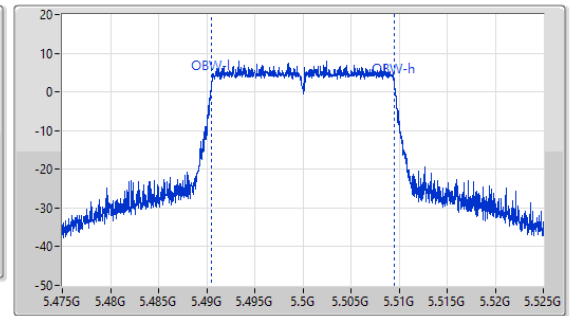
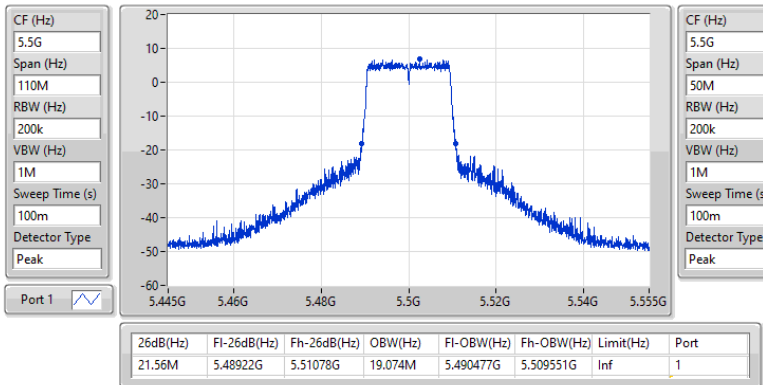


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

02/07/2025

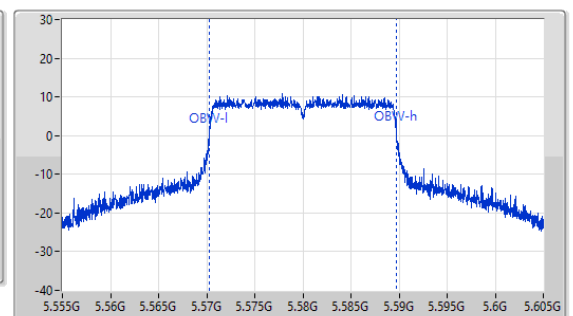
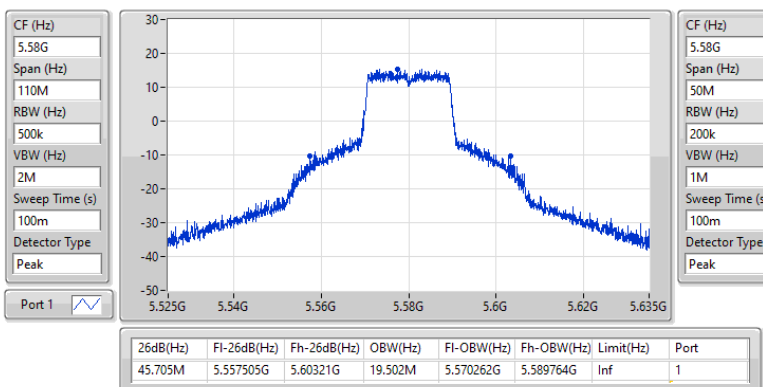


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

02/07/2025

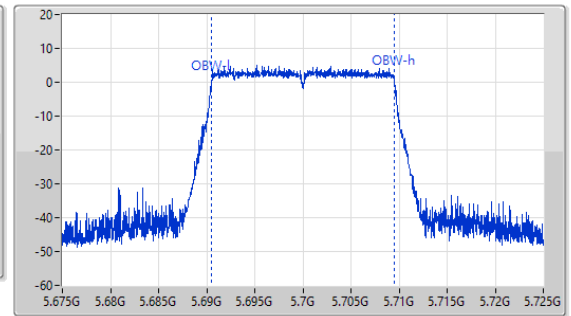
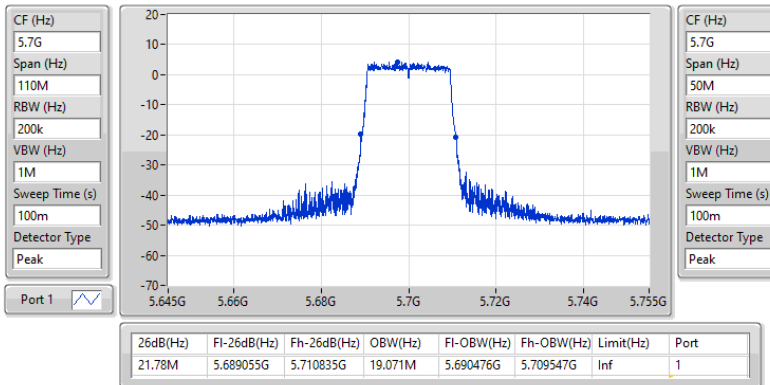


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

02/07/2025

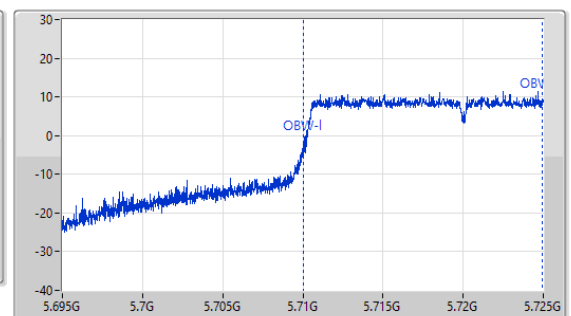
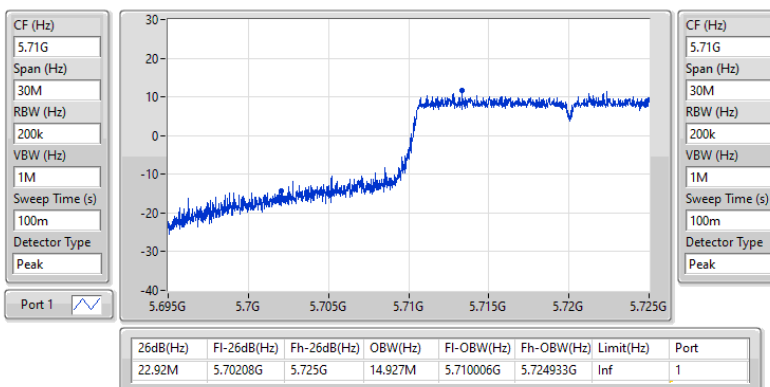


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

02/07/2025

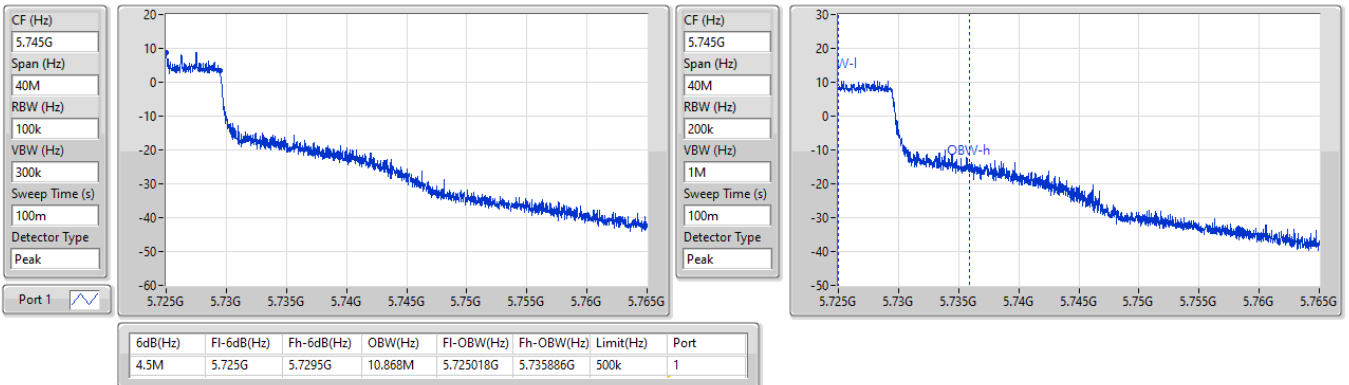


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

02/07/2025

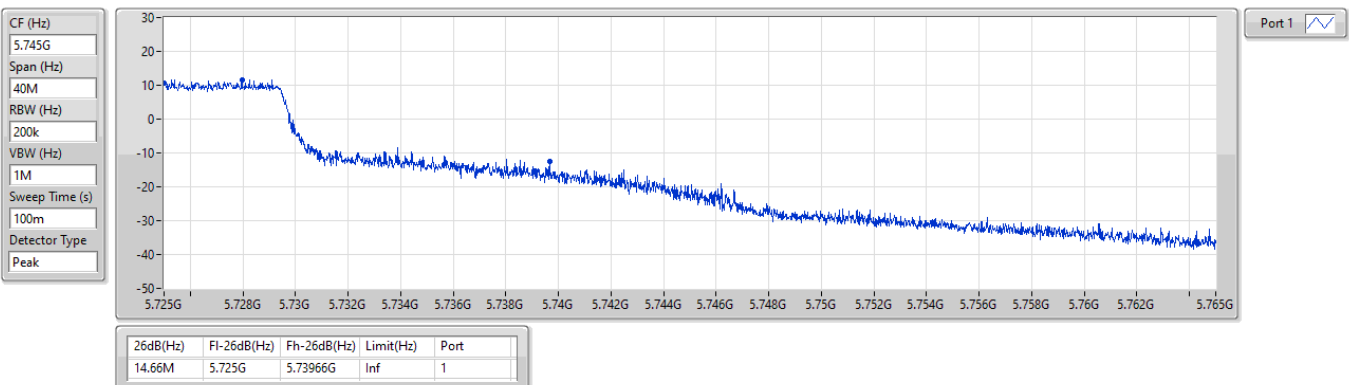


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

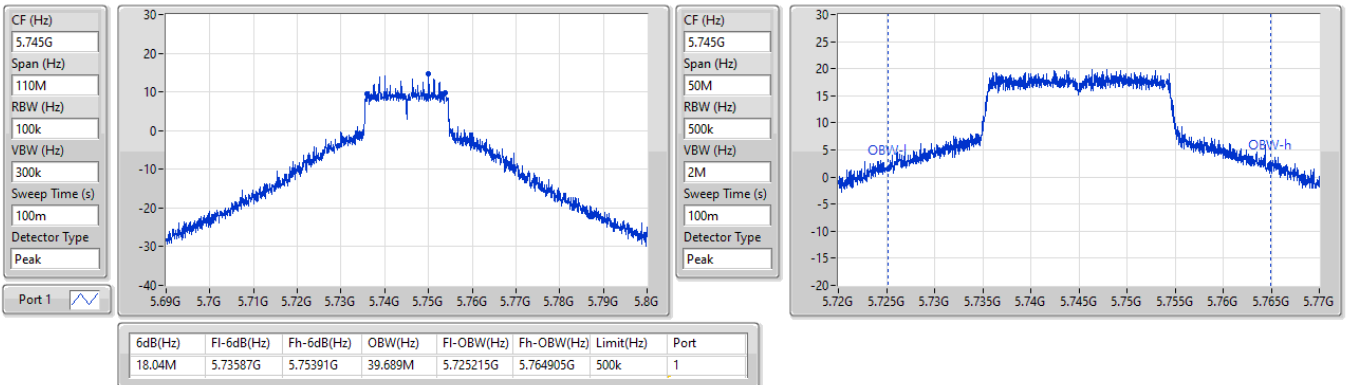
5720MHz Straddle 5.725-5.85GHz

02/07/2025

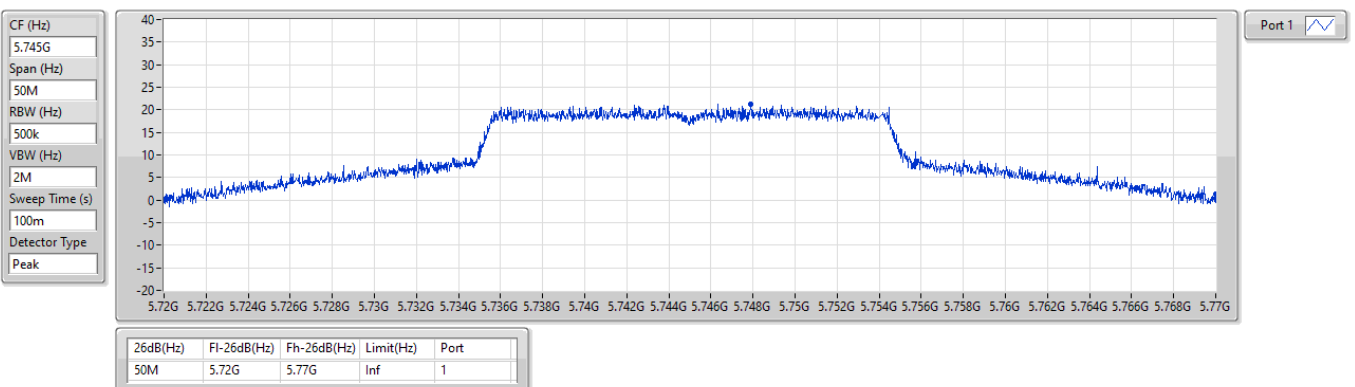


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5745MHz

02/07/2025

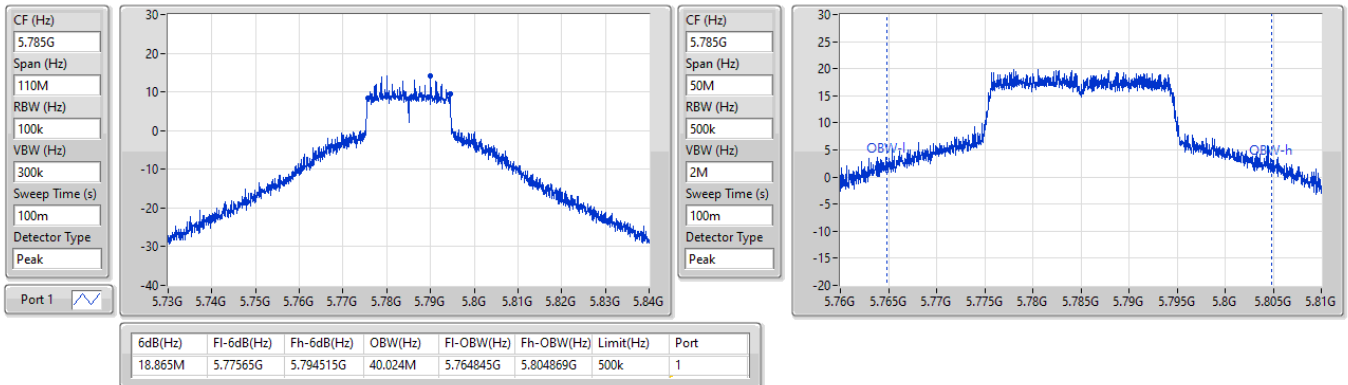

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5745MHz

02/07/2025

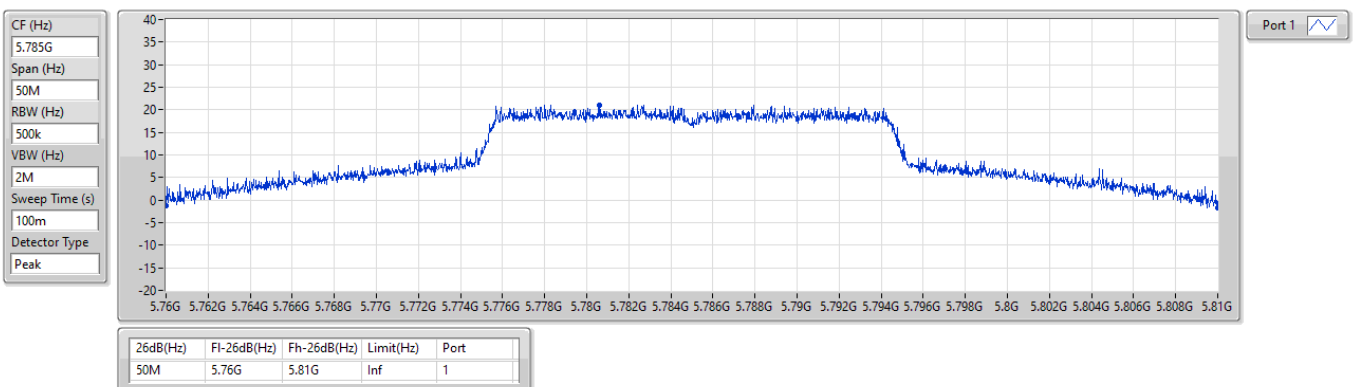


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EBW
5785MHz

02/07/2025

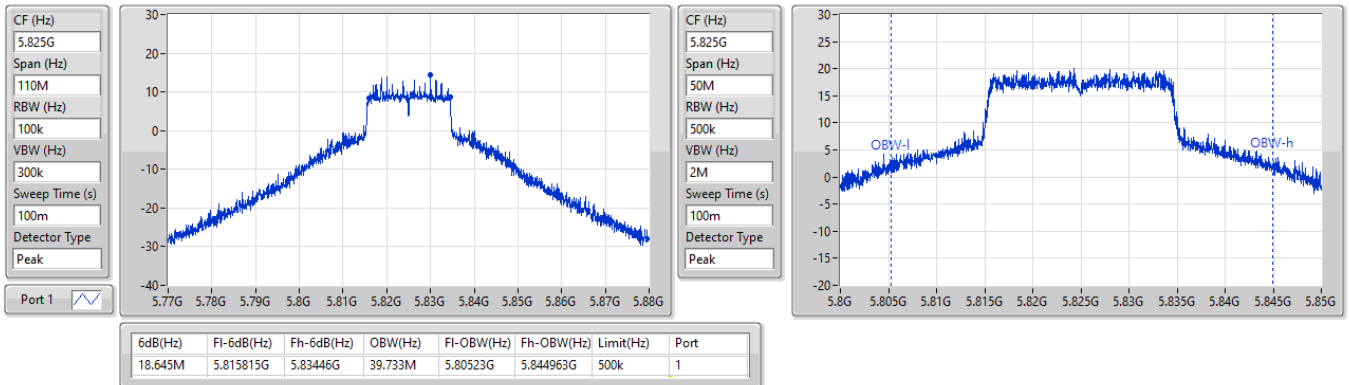

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5785MHz

02/07/2025

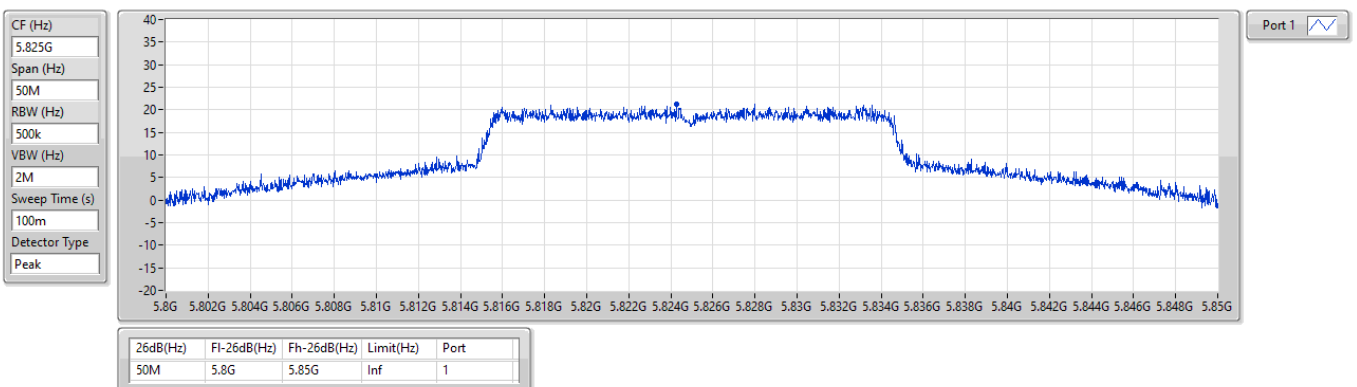


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5825MHz

02/07/2025

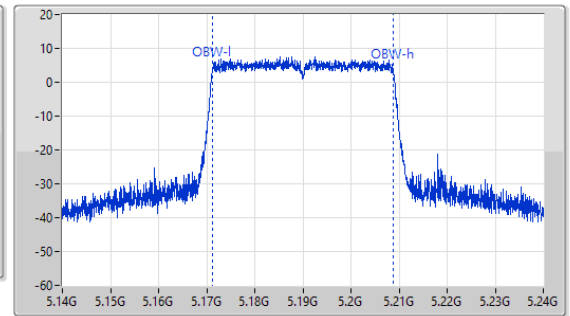
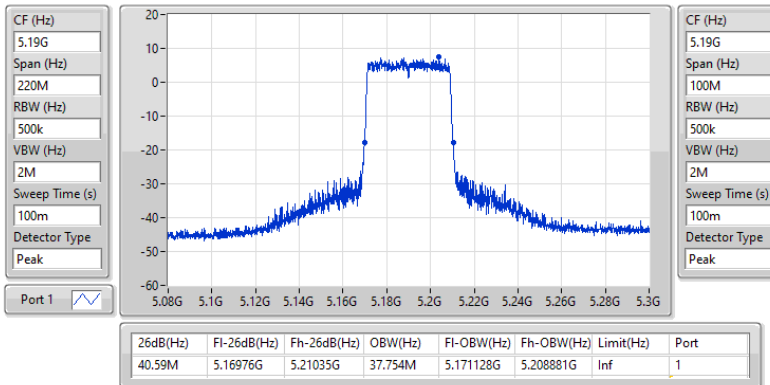

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5825MHz

02/07/2025

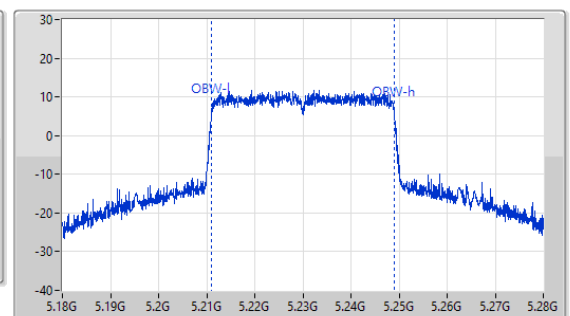
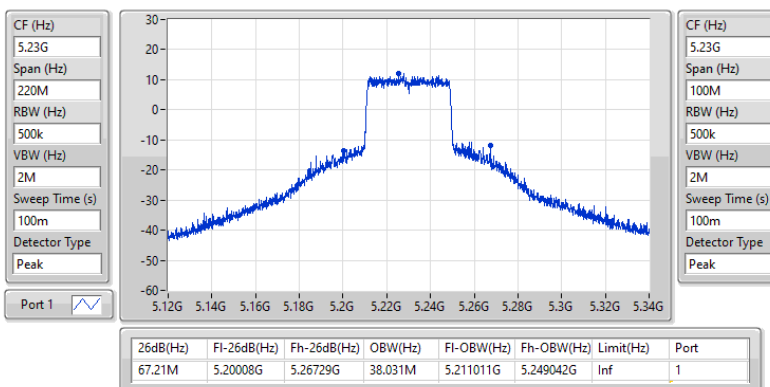


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX
EBW
5190MHz

02/07/2025

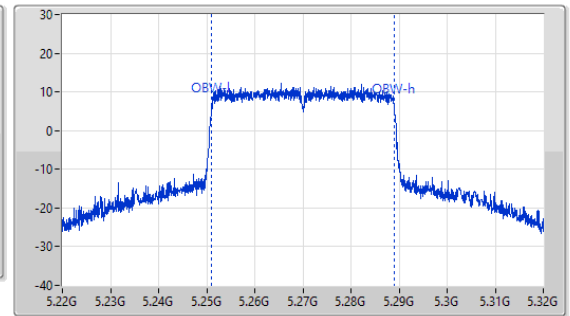
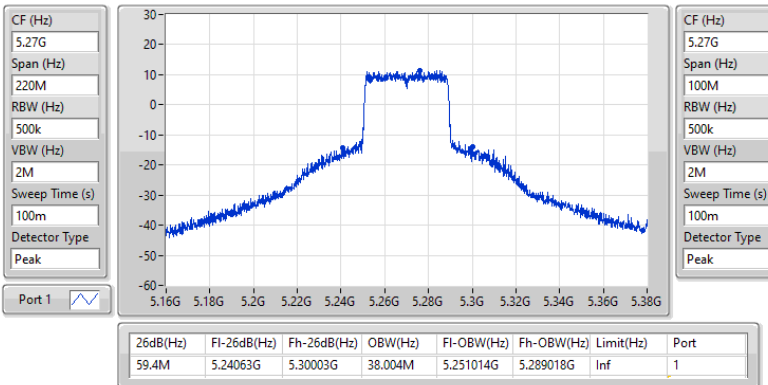

5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX
EBW
5230MHz

02/07/2025

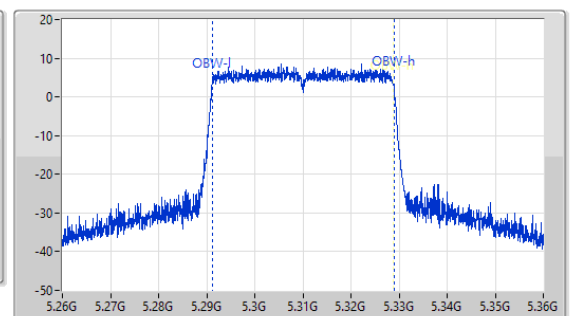
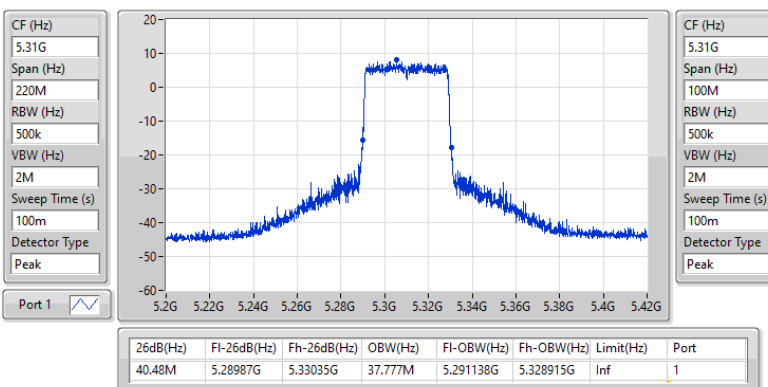


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX
EBW
5270MHz

02/07/2025

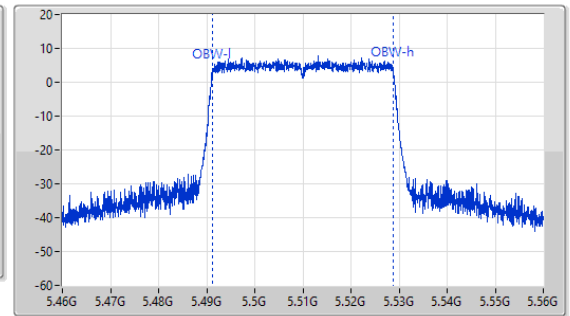
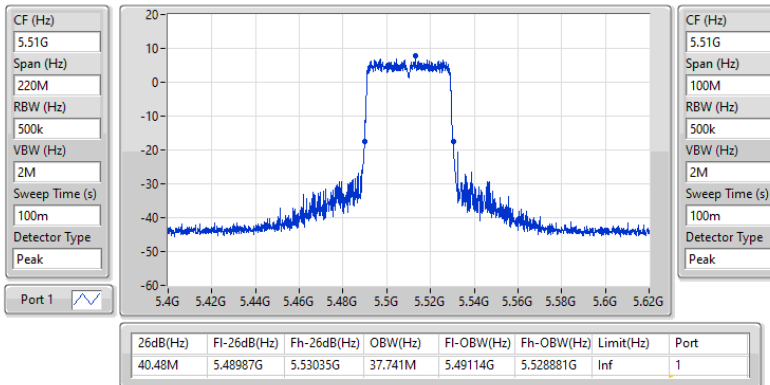

5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX
EBW
5310MHz

02/07/2025

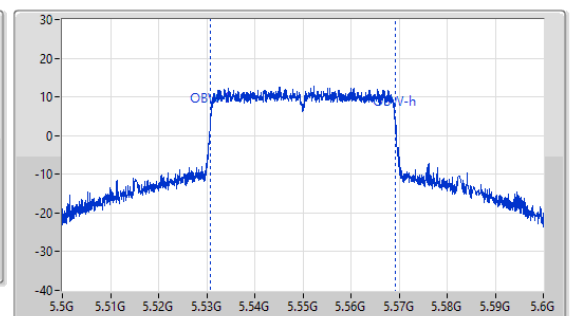
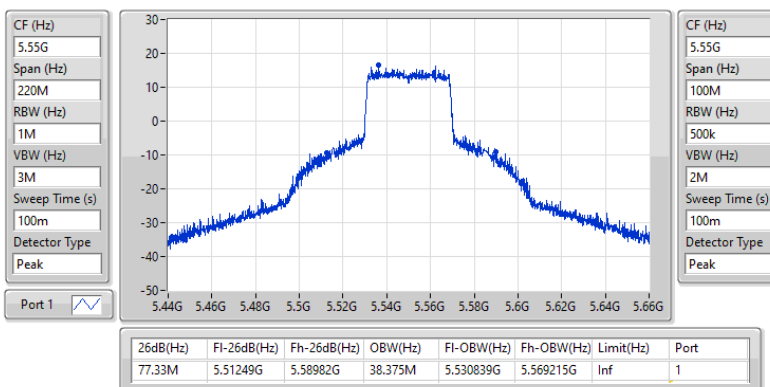


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5510MHz

02/07/2025


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5550MHz

02/07/2025

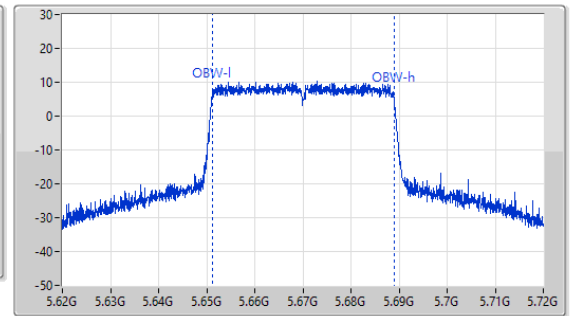
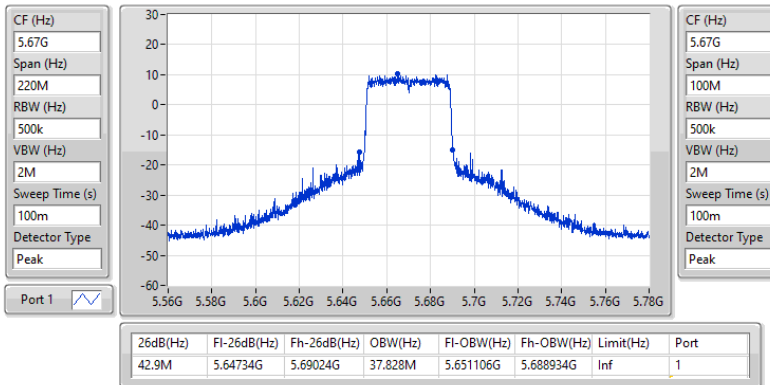


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

02/07/2025

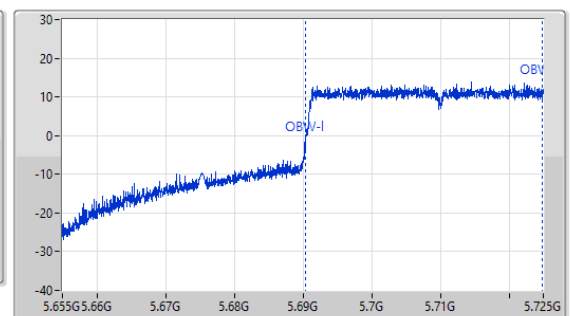
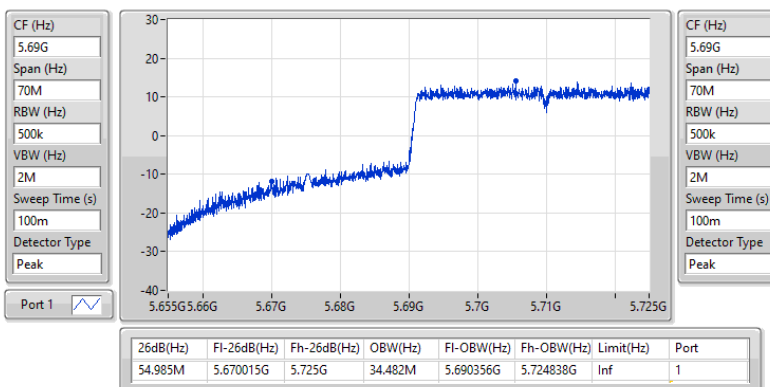


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

02/07/2025

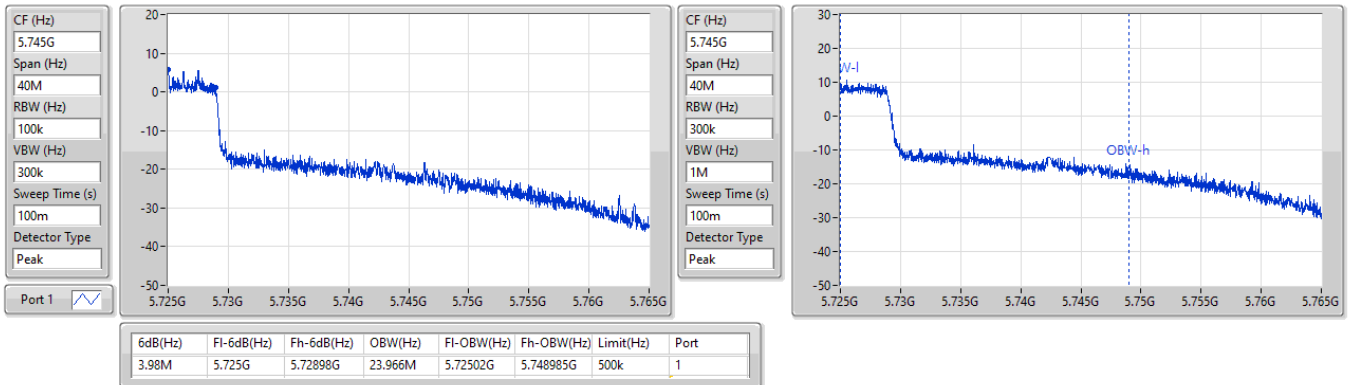


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

02/07/2025

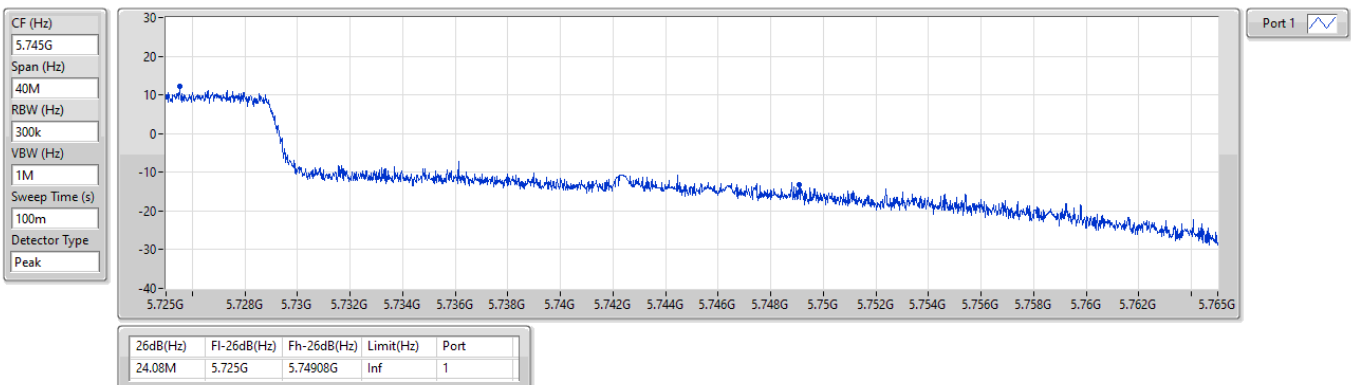


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

02/07/2025

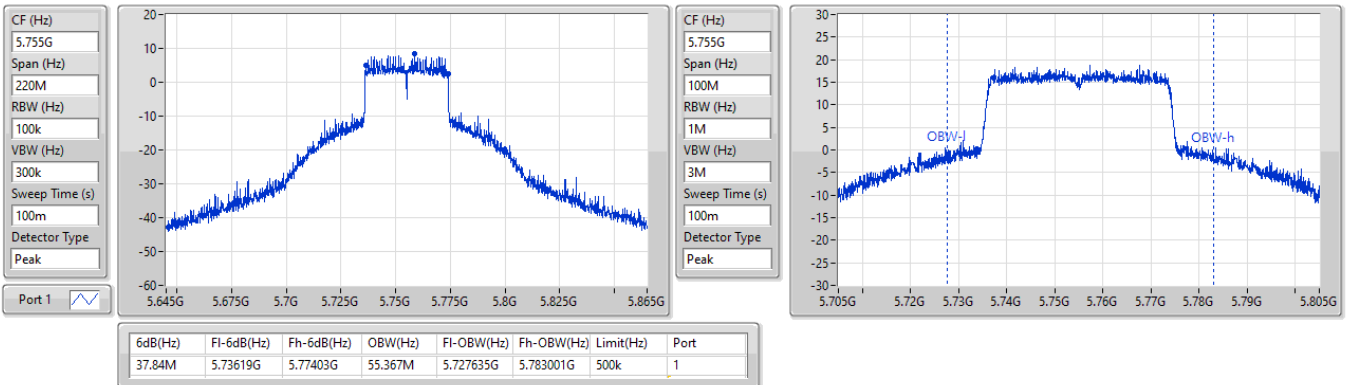


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5755MHz

02/07/2025

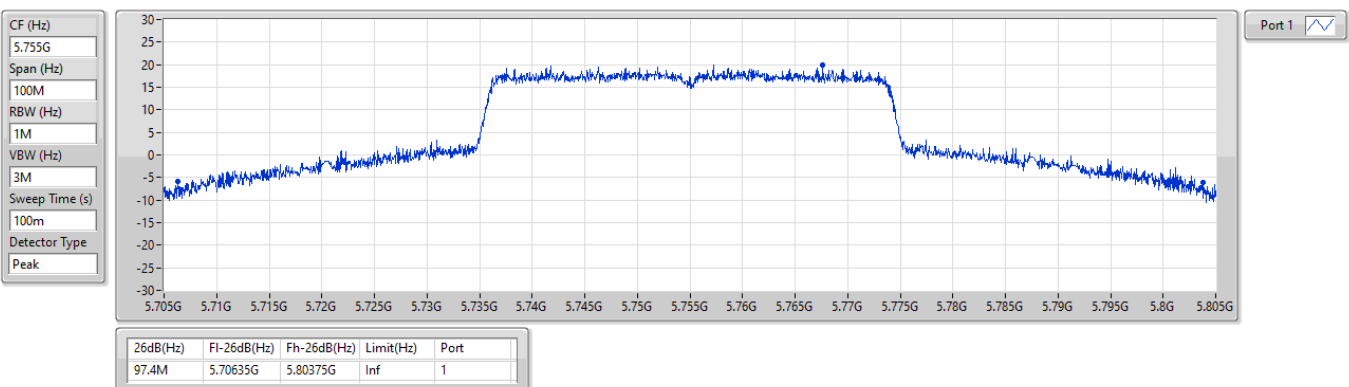


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5755MHz

02/07/2025

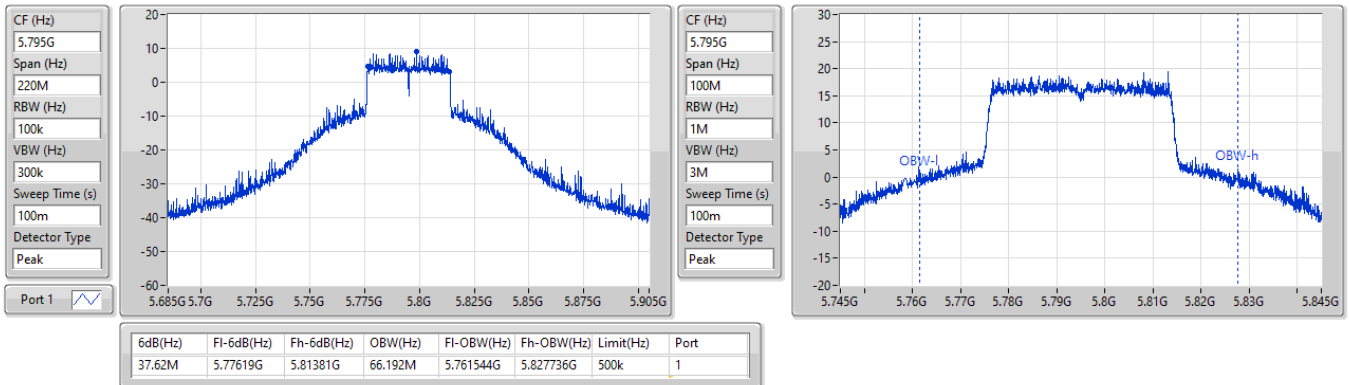


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5795MHz

02/07/2025

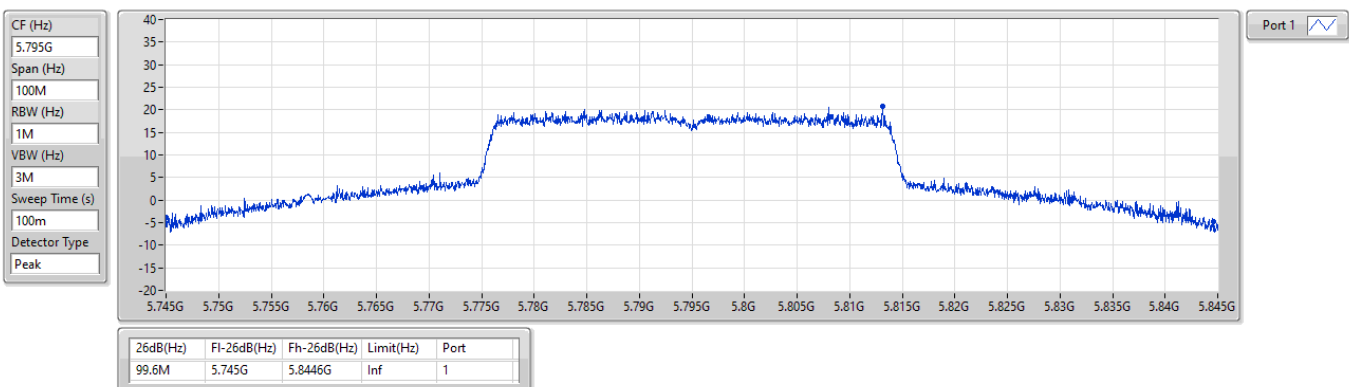


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5795MHz

02/07/2025

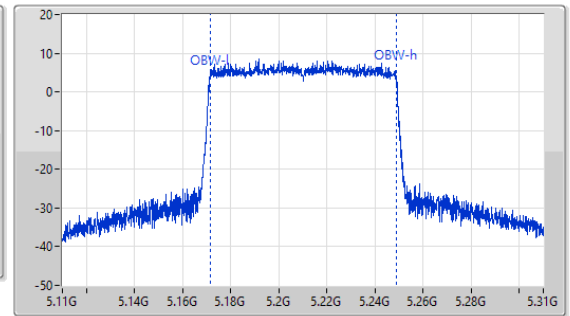
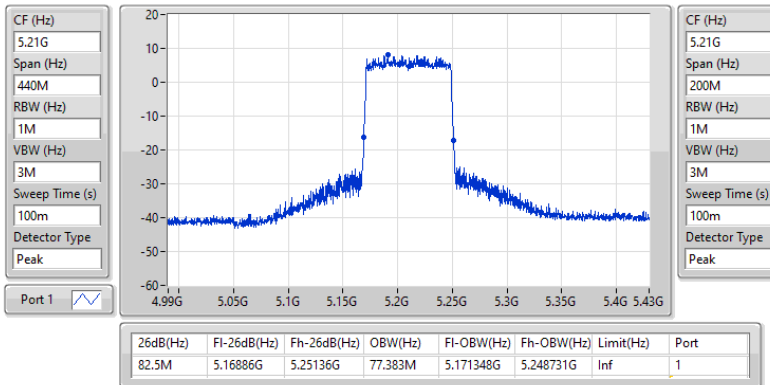


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5210MHz

02/07/2025

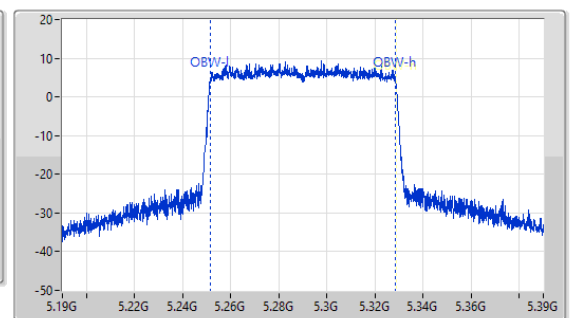
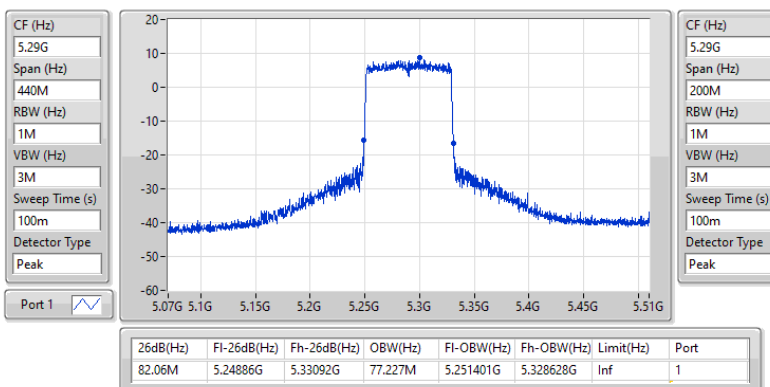


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5290MHz

02/07/2025

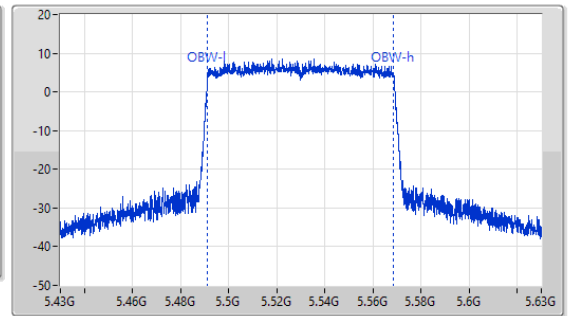
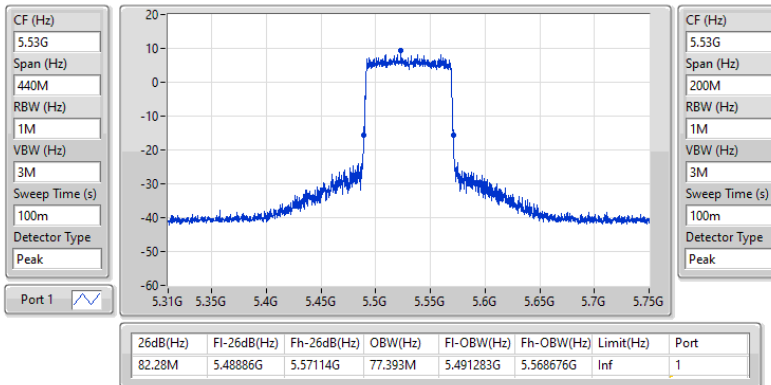


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

02/07/2025

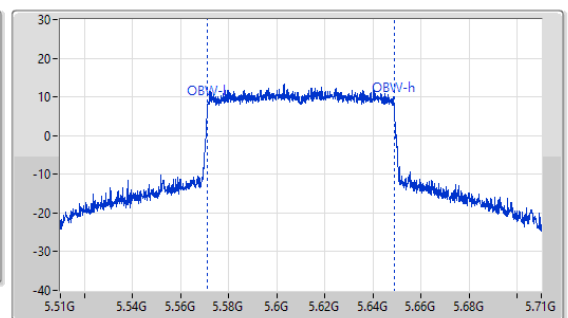
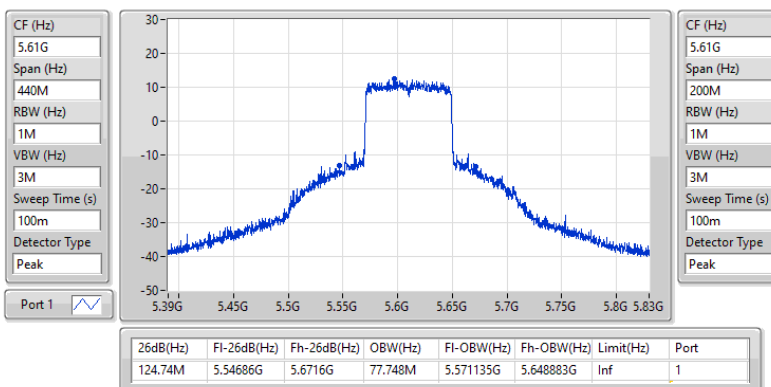


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

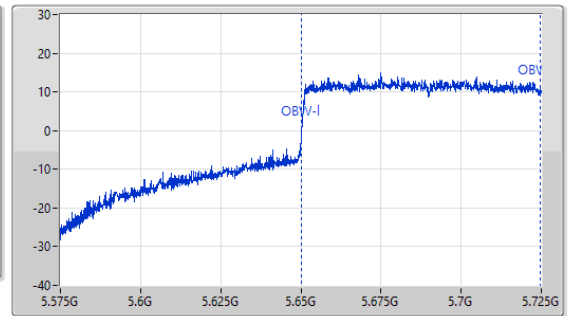
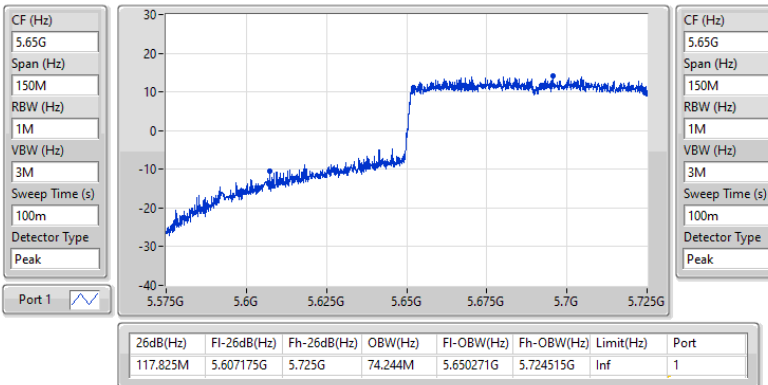
5610MHz

02/07/2025

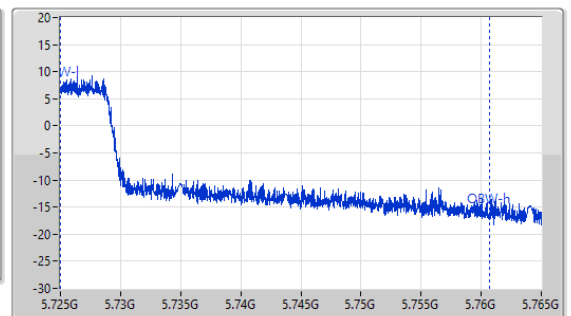
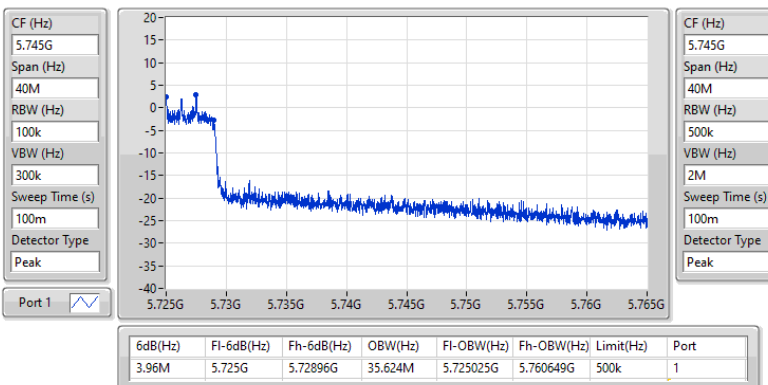


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.47-5.725GHz

02/07/2025


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

02/07/2025

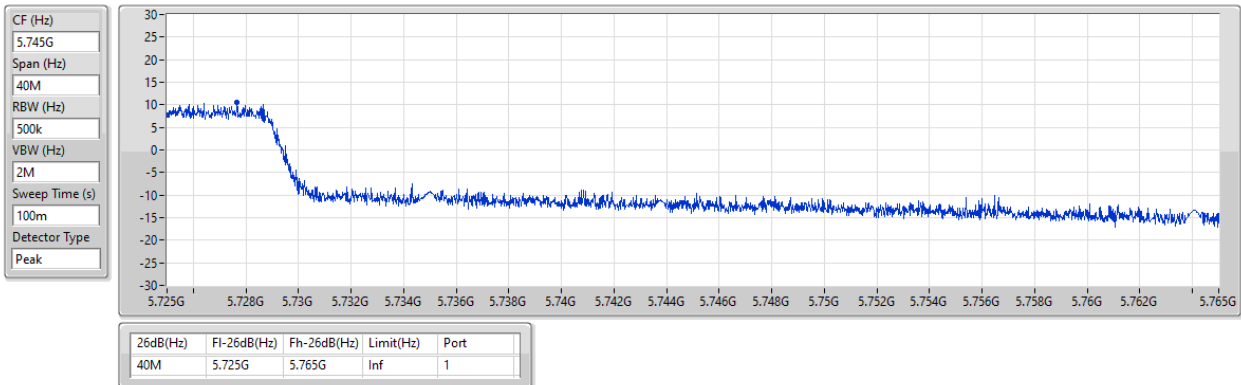


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

02/07/2025

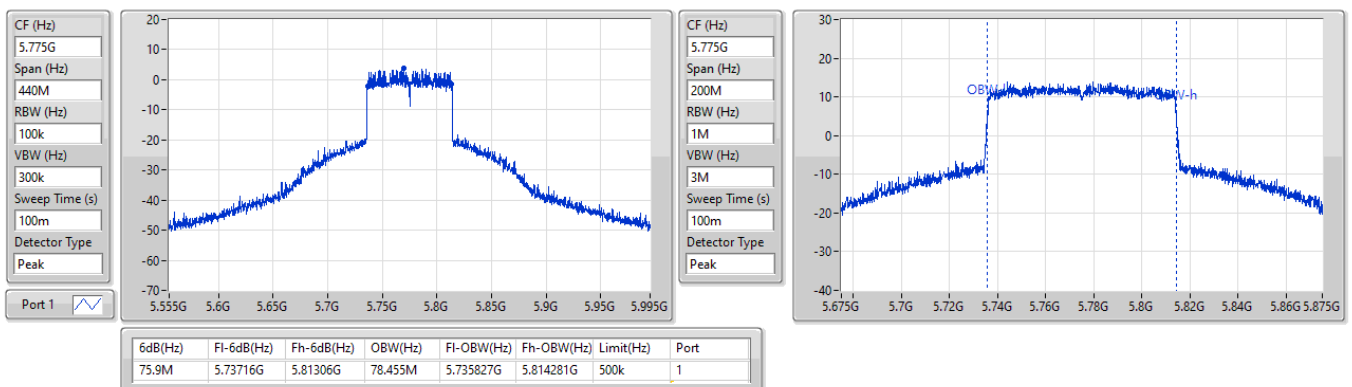


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EBW

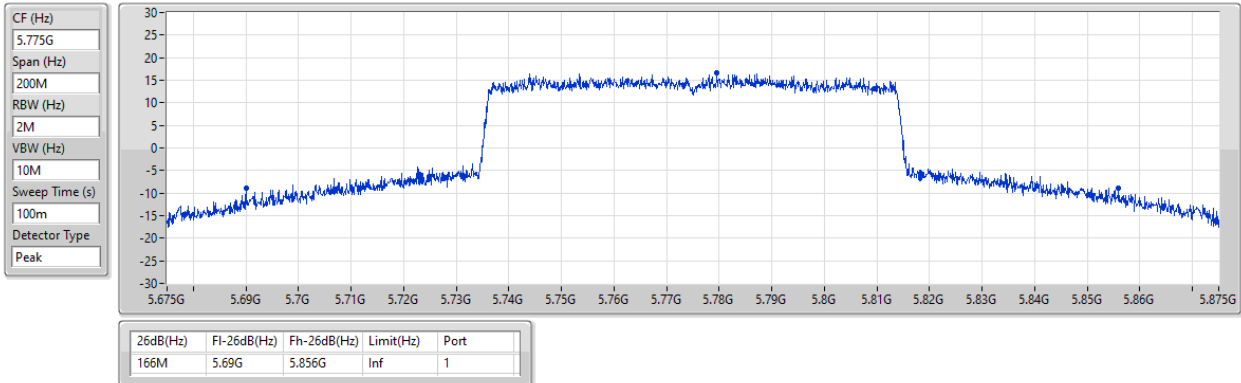
5775MHz

02/07/2025

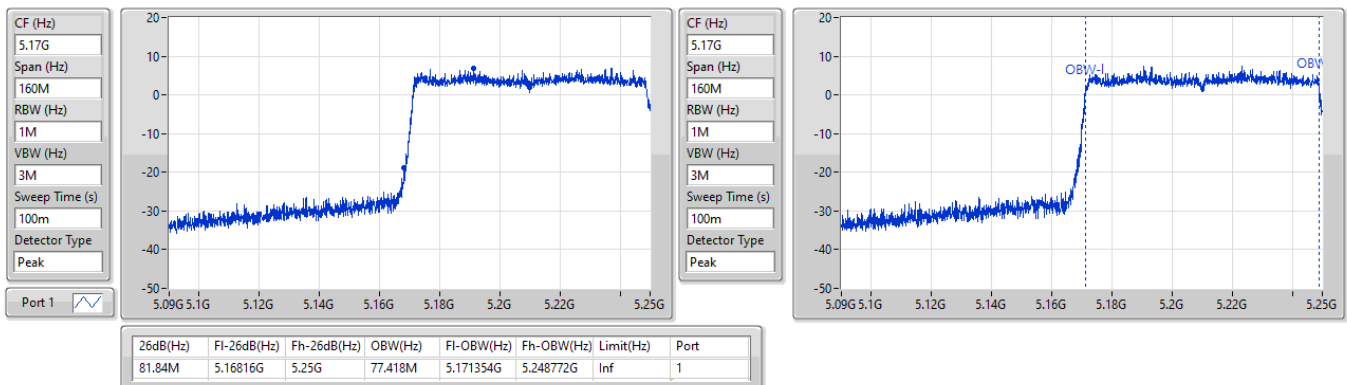


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5775MHz

02/07/2025


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.15-5.25GHz

02/07/2025

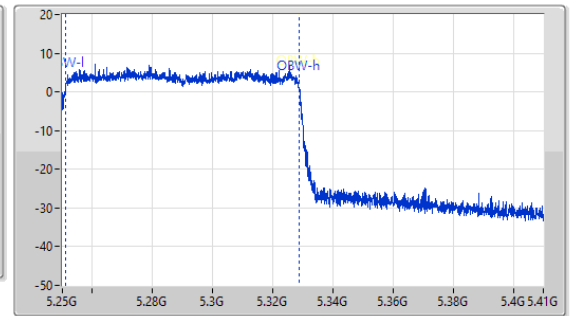
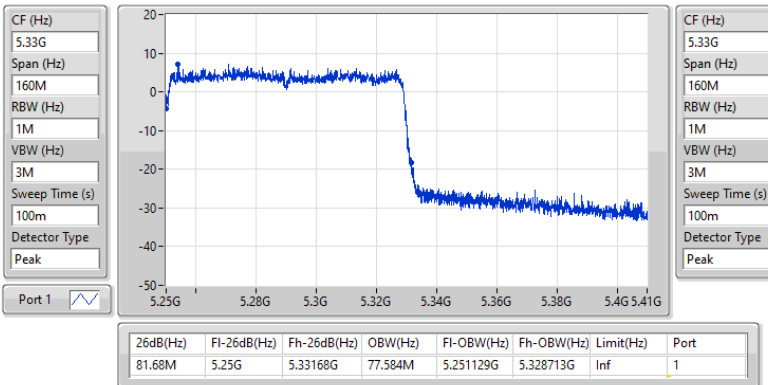


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

02/07/2025

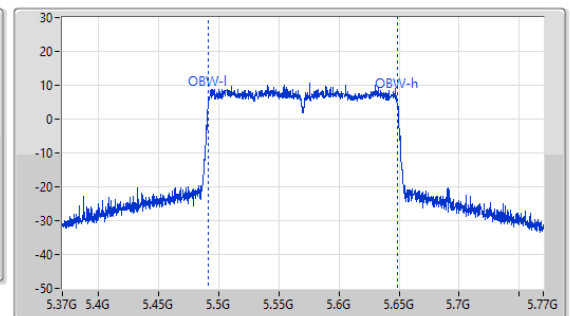
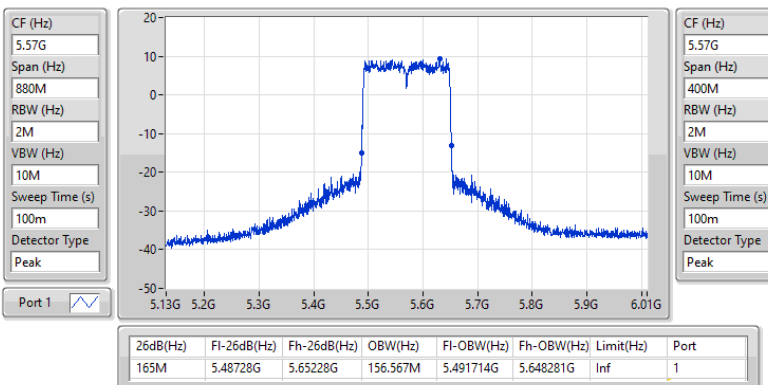


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

02/07/2025



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	37.455M	19.133M	19M1D1D	20.075M	16.589M
802.11be EHT20_Nss1,(MCS0)_4TX	41.58M	19.615M	19M6D1D	21.12M	19.001M
802.11be EHT40_Nss1,(MCS0)_4TX	52.36M	37.921M	37M9D1D	40.04M	37.738M
802.11be EHT80_Nss1,(MCS0)_4TX	82.28M	77.336M	77M3D1D	81.62M	77.201M
802.11be EHT160_Nss1,(MCS0)_4TX	81.68M	77.456M	77M5D1D	81.04M	77.252M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.065M	16.73M	16M7D1D	20.02M	16.368M
802.11be EHT20_Nss1,(MCS0)_4TX	21.56M	19.101M	19M1D1D	21.23M	19.017M
802.11be EHT40_Nss1,(MCS0)_4TX	40.92M	37.827M	37M8D1D	40.04M	37.733M
802.11be EHT80_Nss1,(MCS0)_4TX	82.28M	77.258M	77M3D1D	81.62M	77.183M
802.11be EHT160_Nss1,(MCS0)_4TX	81.44M	77.434M	77M4D1D	81.04M	77.291M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.065M	16.885M	16M9D1D	14.73M	13.231M
802.11be EHT20_Nss1,(MCS0)_4TX	21.67M	19.069M	19M1D1D	15.81M	14.557M
802.11be EHT40_Nss1,(MCS0)_4TX	40.92M	37.854M	37M9D1D	35.21M	33.729M
802.11be EHT80_Nss1,(MCS0)_4TX	84.04M	77.401M	77M4D1D	76.05M	73.243M
802.11be EHT160_Nss1,(MCS0)_4TX	165M	156.306M	156MD1D	163.68M	156.242M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.445M	29.476M	29M5D1D	3.12M	4.025M
802.11be EHT20_Nss1,(MCS0)_4TX	18.92M	31.396M	31M4D1D	4.28M	4.503M
802.11be EHT40_Nss1,(MCS0)_4TX	37.84M	68.555M	68M6D1D	3.78M	4.025M
802.11be EHT80_Nss1,(MCS0)_4TX	77.66M	77.719M	77M7D1D	3.78M	4.52M

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

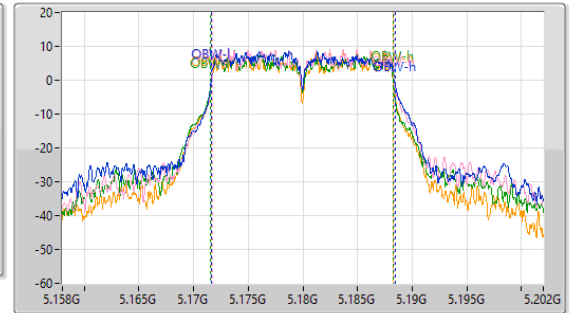
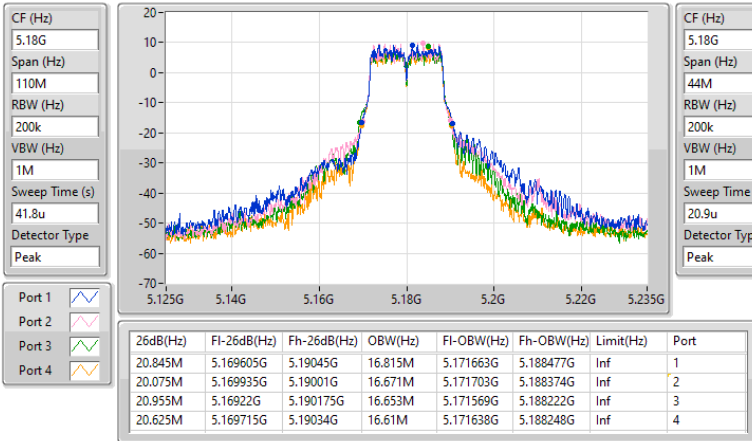
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.845M	16.815M	20.075M	16.671M	20.955M	16.653M	20.625M	16.61M
5200MHz	Pass	Inf	37.455M	19.133M	34.375M	17.609M	30.635M	17.028M	28.49M	16.589M
5240MHz	Pass	Inf	33M	18.27M	28.49M	17.328M	21.285M	16.773M	21.67M	16.604M
5260MHz	Pass	Inf	20.79M	16.495M	20.35M	16.73M	20.46M	16.723M	20.46M	16.531M
5300MHz	Pass	Inf	20.68M	16.585M	20.295M	16.478M	20.02M	16.605M	20.46M	16.368M
5320MHz	Pass	Inf	20.79M	16.479M	21.065M	16.573M	20.68M	16.719M	20.185M	16.518M
5500MHz	Pass	Inf	20.57M	16.885M	20.24M	16.742M	20.515M	16.582M	20.405M	16.846M
5580MHz	Pass	Inf	20.57M	16.513M	20.57M	16.632M	20.46M	16.401M	20.515M	16.676M
5700MHz	Pass	Inf	21.065M	16.634M	20.02M	16.44M	20.9M	16.588M	20.02M	16.599M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.405M	13.231M	15.33M	13.382M	15.48M	13.327M	14.73M	13.367M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	4.025M	3.22M	5.256M	3.12M	4.828M	3.14M	4.8M
5745MHz	Pass	500k	16.06M	20.884M	16.335M	28.923M	16.28M	19.042M	16.445M	17.126M
5785MHz	Pass	500k	16.445M	29.476M	16.06M	29.287M	16.28M	21.457M	15.73M	17.512M
5825MHz	Pass	500k	15.73M	28.083M	16.28M	27.176M	16.06M	28.945M	15.675M	20.164M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.505M	19.093M	21.615M	19.001M	21.285M	19.018M	21.12M	19.016M
5200MHz	Pass	Inf	35.805M	19.227M	26.29M	19.114M	21.78M	19.118M	21.56M	19.038M
5240MHz	Pass	Inf	41.58M	19.615M	40.425M	19.371M	24.64M	19.161M	21.67M	19.156M
5260MHz	Pass	Inf	21.34M	19.088M	21.395M	19.056M	21.56M	19.039M	21.285M	19.051M
5300MHz	Pass	Inf	21.395M	19.017M	21.34M	19.091M	21.285M	19.051M	21.45M	19.068M
5320MHz	Pass	Inf	21.45M	19.101M	21.23M	19.087M	21.45M	19.045M	21.45M	19.036M
5500MHz	Pass	Inf	21.285M	19.062M	21.56M	19.012M	21.56M	19.042M	21.56M	19.012M
5580MHz	Pass	Inf	21.56M	19.059M	21.175M	19.049M	21.285M	19.007M	21.67M	19.05M
5700MHz	Pass	Inf	21.175M	19.069M	21.615M	19.06M	21.34M	19.051M	21.23M	19.063M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.825M	14.557M	15.81M	14.602M	15.825M	14.57M	15.96M	14.573M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.38M	4.503M	4.28M	4.546M	4.44M	4.51M	4.38M	4.503M
5745MHz	Pass	500k	18.205M	22.582M	18.315M	21.831M	18.755M	21.163M	18.645M	19.519M
5785MHz	Pass	500k	18.04M	28.489M	18.755M	26.095M	18.7M	21.996M	18.92M	19.355M
5825MHz	Pass	500k	17.875M	31.396M	16.61M	31.005M	18.48M	21.582M	18.37M	19.568M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.7M	37.853M	40.37M	37.738M	40.26M	37.783M	40.04M	37.782M
5230MHz	Pass	Inf	52.36M	37.921M	46.42M	37.898M	40.81M	37.839M	40.81M	37.745M
5270MHz	Pass	Inf	40.92M	37.814M	40.37M	37.782M	40.37M	37.827M	40.15M	37.818M
5310MHz	Pass	Inf	40.81M	37.733M	40.48M	37.746M	40.48M	37.805M	40.04M	37.752M
5510MHz	Pass	Inf	40.92M	37.759M	40.37M	37.74M	40.37M	37.754M	40.48M	37.739M
5550MHz	Pass	Inf	40.48M	37.854M	40.37M	37.83M	40.59M	37.828M	40.59M	37.73M
5670MHz	Pass	Inf	40.92M	37.772M	40.15M	37.784M	40.26M	37.715M	40.48M	37.835M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.455M	33.805M	35.315M	33.827M	35.21M	33.824M	35.21M	33.729M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	4.025M	3.8M	4.027M	3.84M	4.038M	3.78M	4.037M
5755MHz	Pass	500k	37.4M	42.258M	37.73M	40.618M	37.62M	38.32M	37.62M	38.188M
5795MHz	Pass	500k	37.84M	68.555M	37.73M	65.202M	37.62M	45.493M	37.73M	38.823M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.28M	77.336M	81.62M	77.272M	81.84M	77.252M	82.06M	77.201M
5290MHz	Pass	Inf	82.28M	77.232M	81.84M	77.258M	81.62M	77.183M	81.84M	77.2M
5530MHz	Pass	Inf	82.28M	77.297M	82.06M	77.283M	81.84M	77.273M	82.28M	77.216M
5610MHz	Pass	Inf	82.72M	77.292M	84.04M	77.368M	82.94M	77.401M	82.5M	77.301M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.125M	73.28M	76.05M	73.317M	76.275M	73.243M	76.35M	73.366M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	4.76M	3.78M	4.861M	3.92M	4.52M	3.86M	4.523M
5775MHz	Pass	500k	77.66M	77.63M	77.44M	77.719M	77.44M	77.425M	77.66M	77.441M
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

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)
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.68M	77.373M	81.2M	77.456M	81.36M	77.414M	81.04M	77.252M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.12M	77.333M	81.12M	77.291M	81.04M	77.434M	81.44M	77.362M
5570MHz	Pass	Inf	164.56M	156.306M	163.68M	156.256M	165M	156.242M	164.12M	156.246M

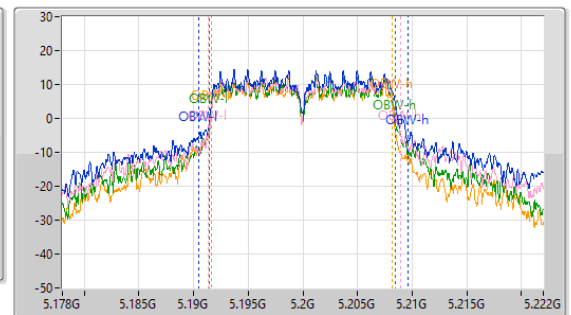
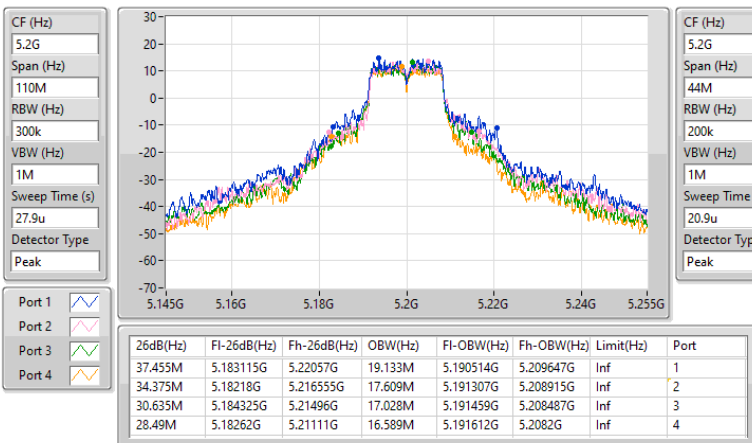
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

24/07/2025


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

24/07/2025

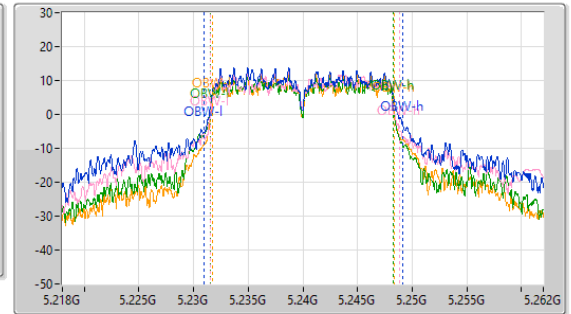
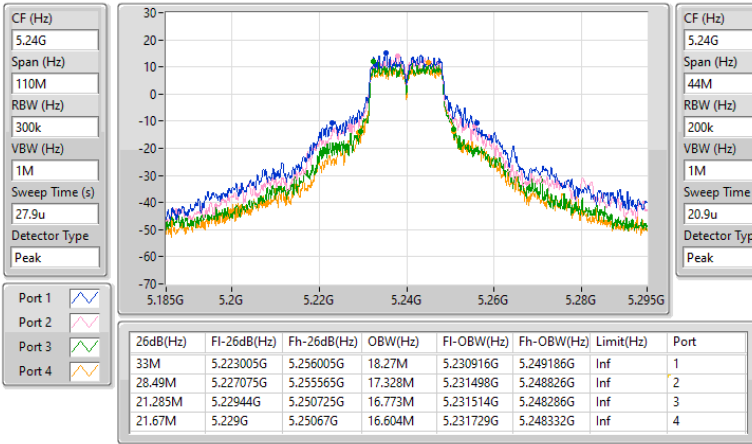


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

24/07/2025

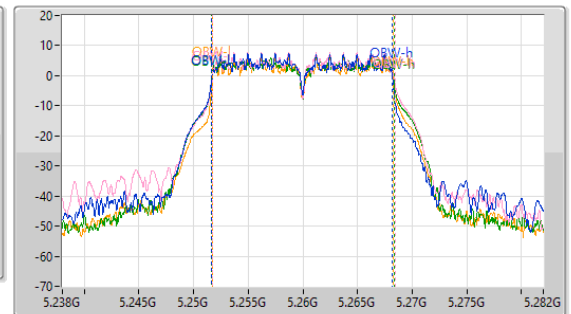
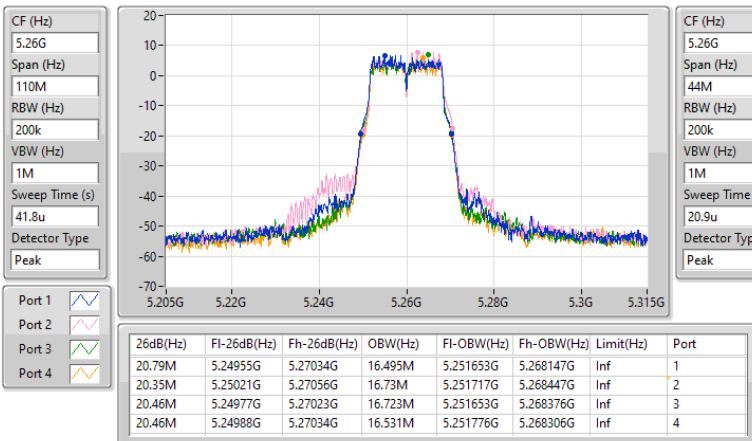


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

24/07/2025

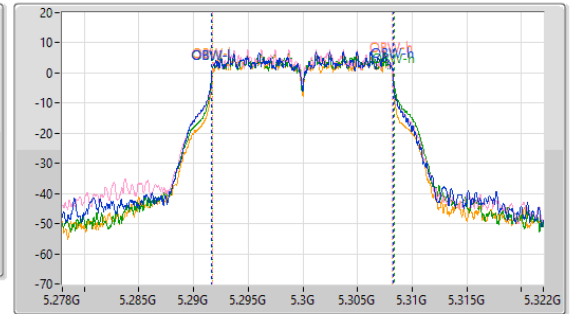
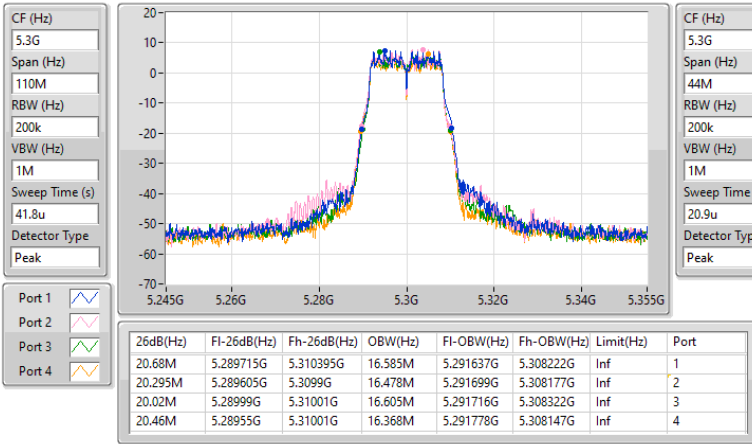


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

24/07/2025

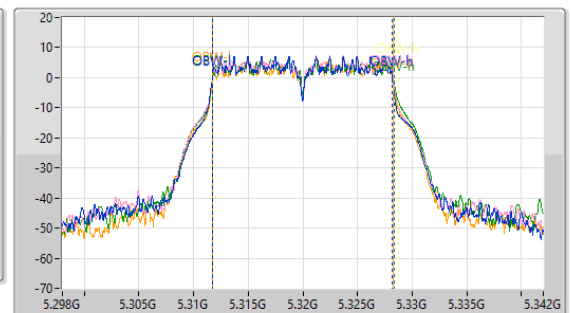
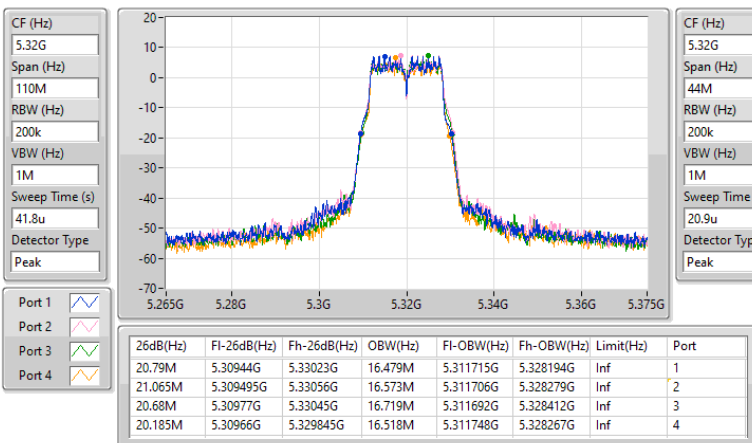


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

24/07/2025

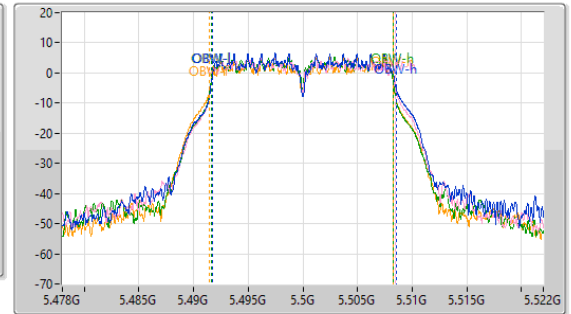
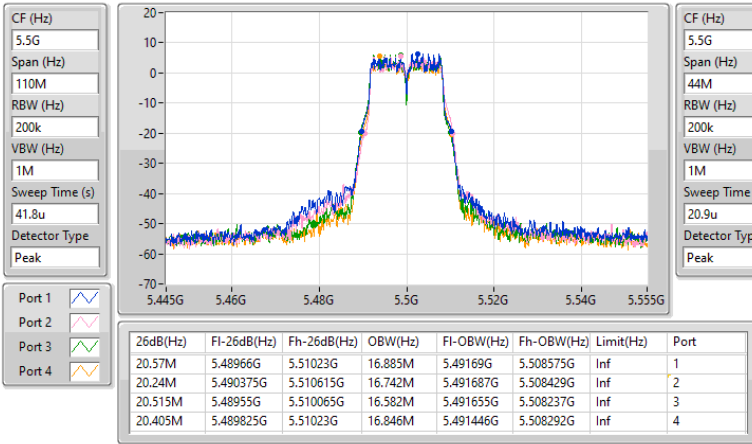


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

24/07/2025

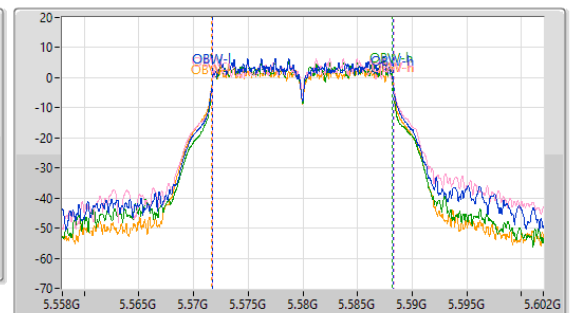
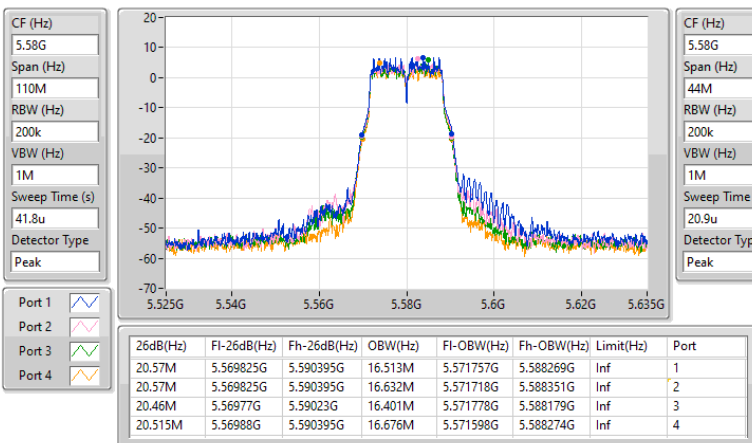


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

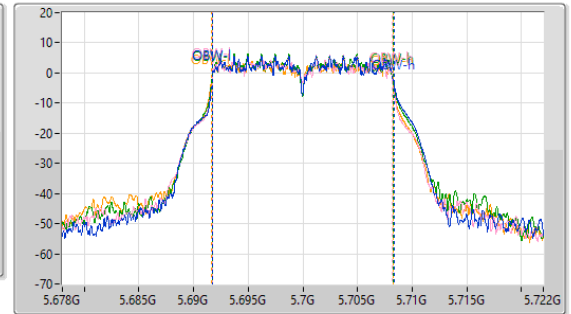
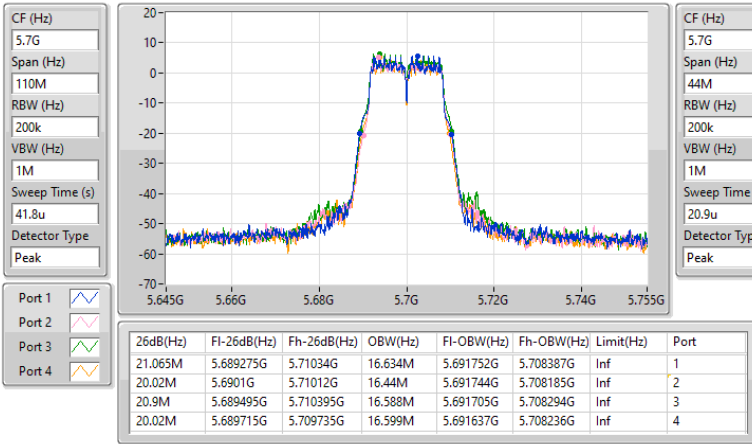
5580MHz

24/07/2025

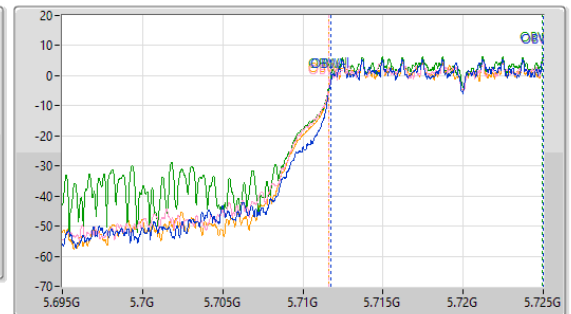
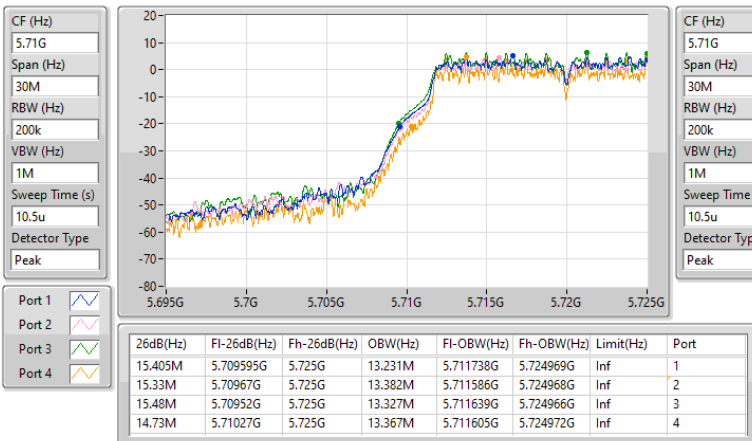


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

24/07/2025

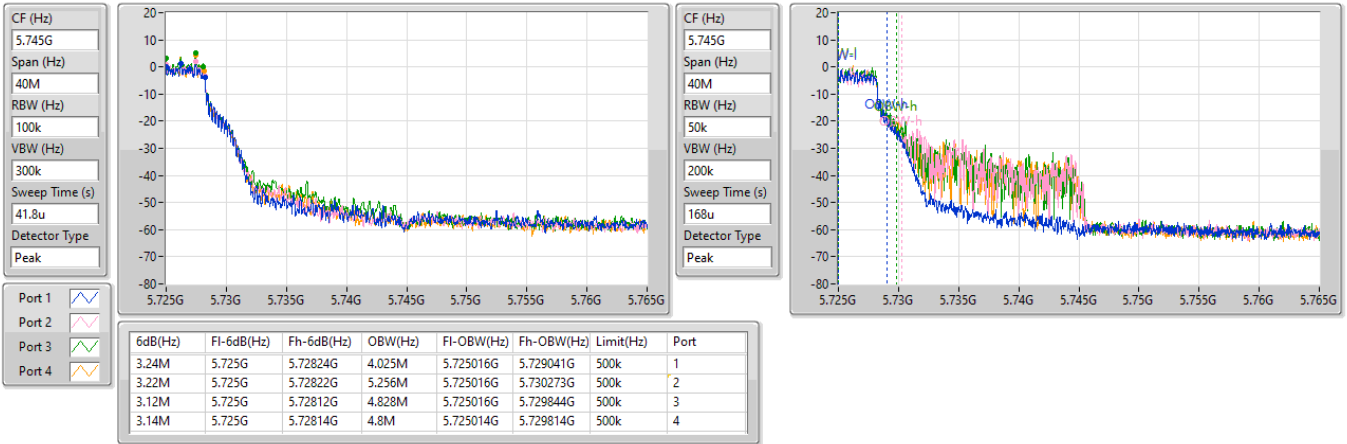

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

24/07/2025

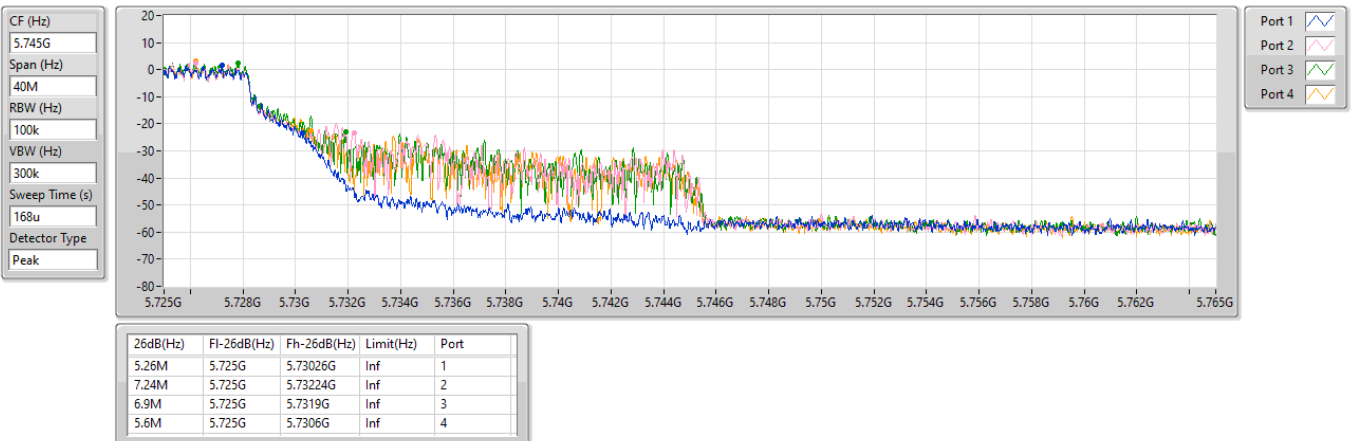


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

24/07/2025


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

24/07/2025

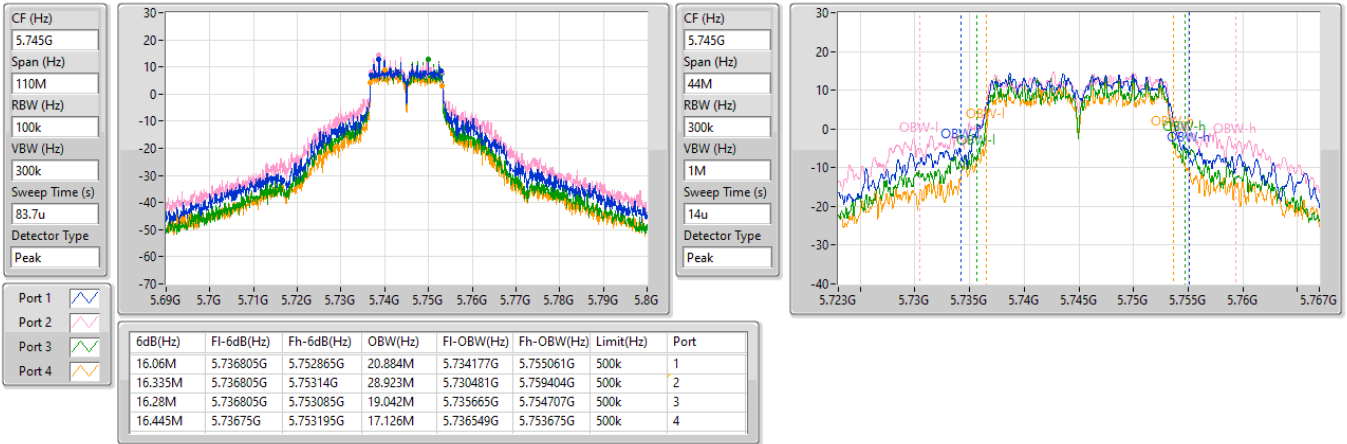


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

24/07/2025

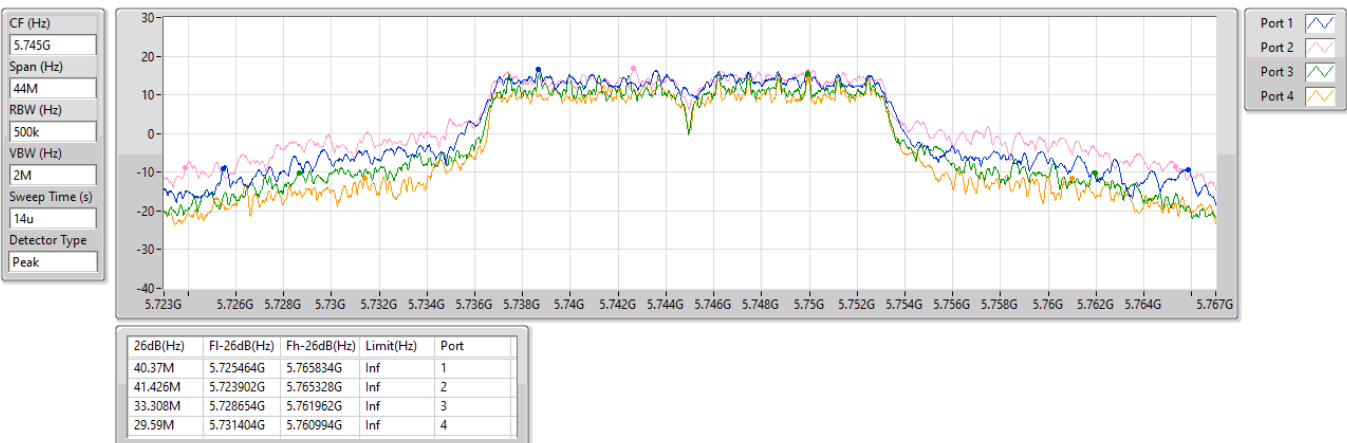


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

24/07/2025

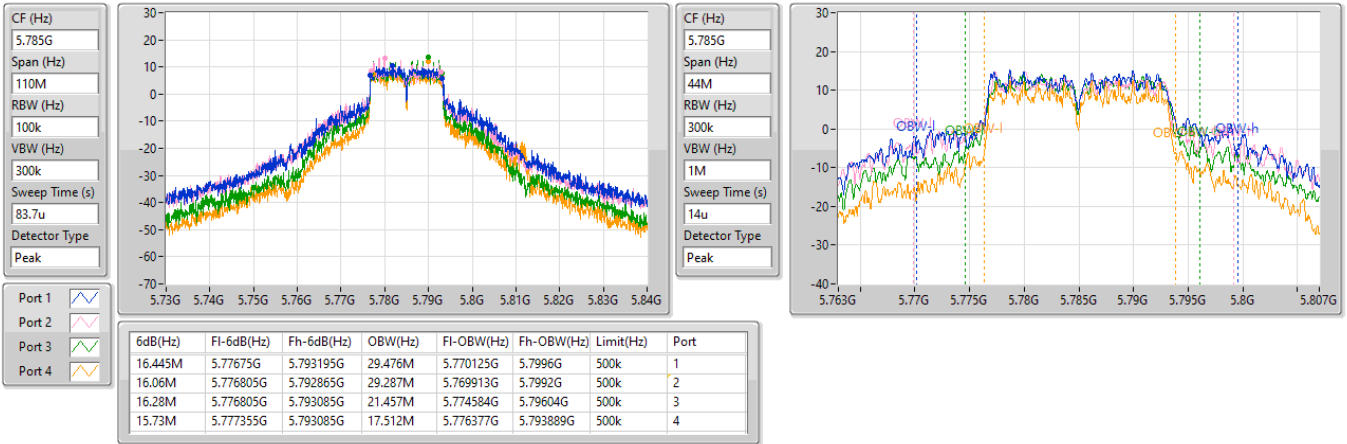


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

24/07/2025

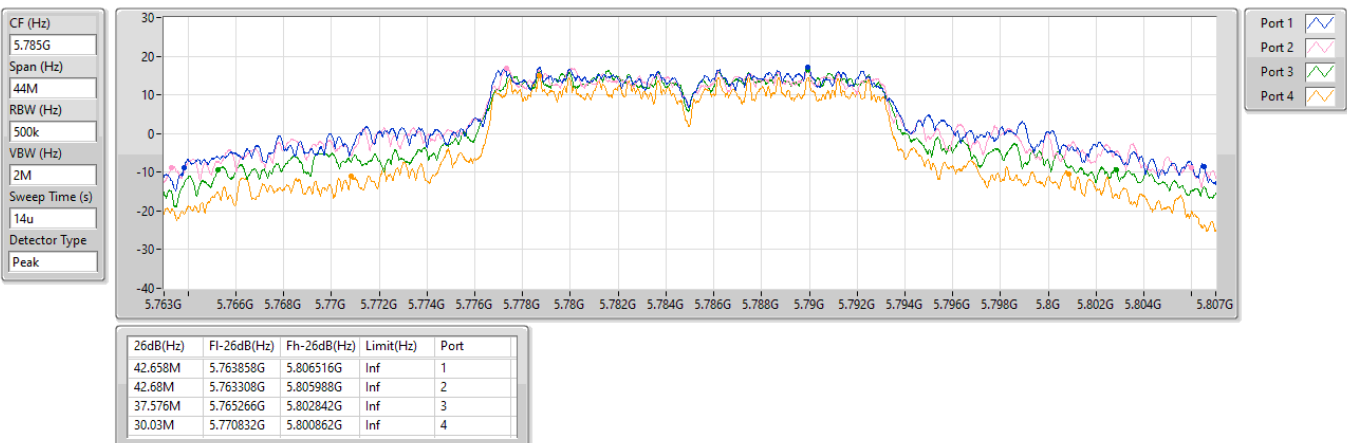


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

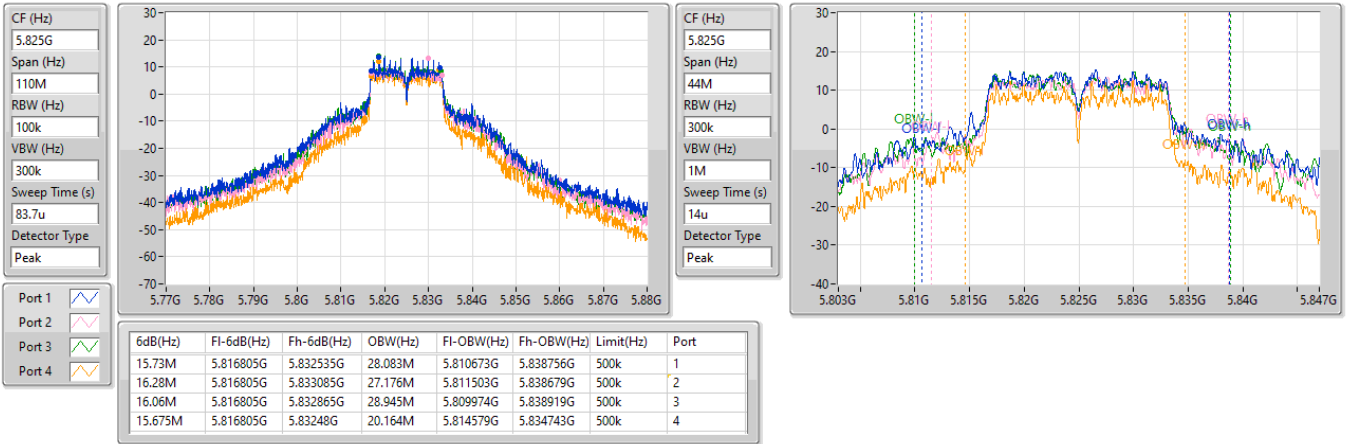
5785MHz

24/07/2025

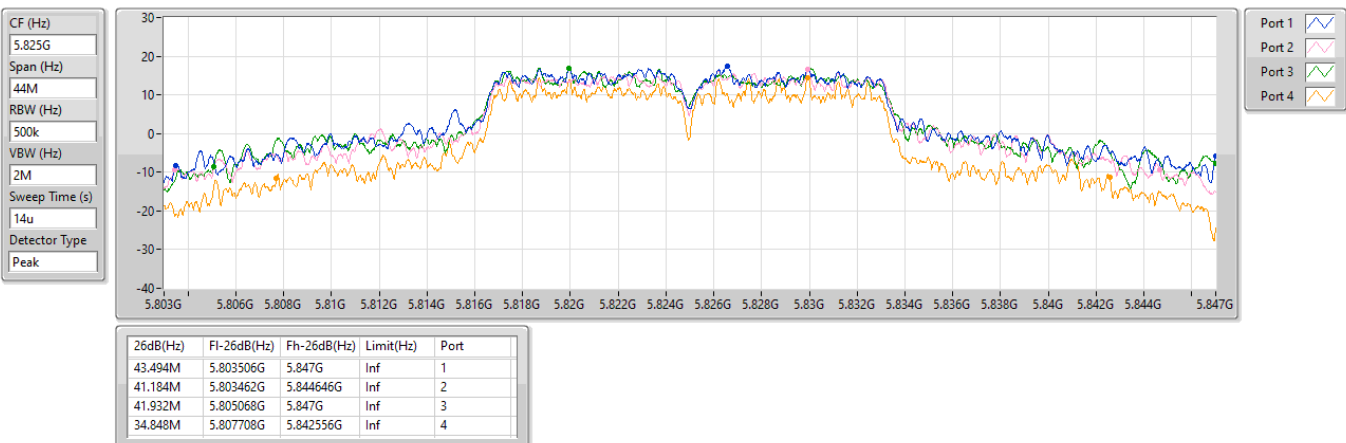


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

24/07/2025

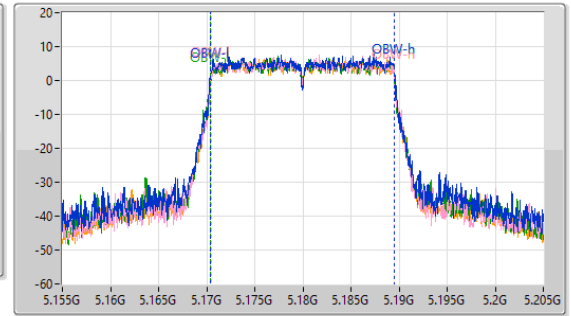
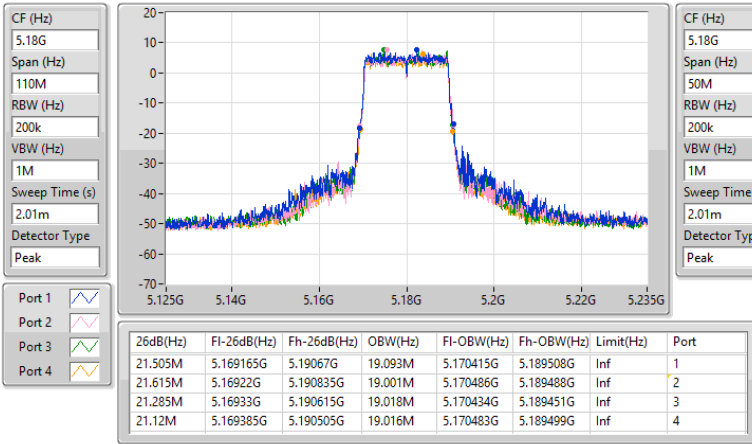

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

24/07/2025

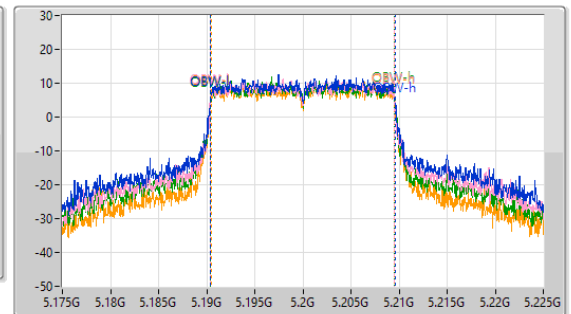
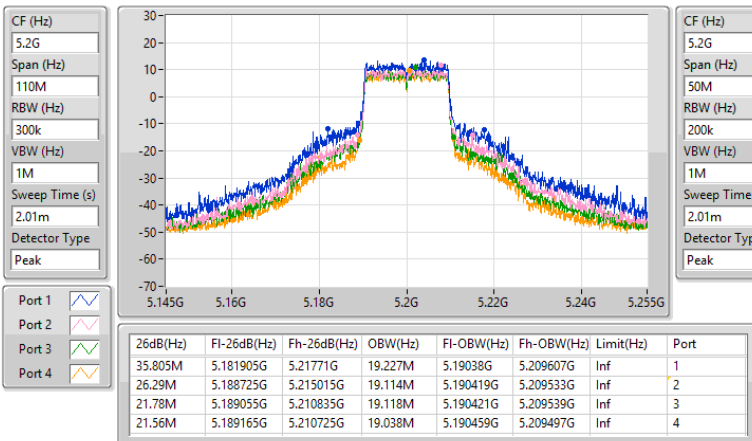


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

30/07/2025

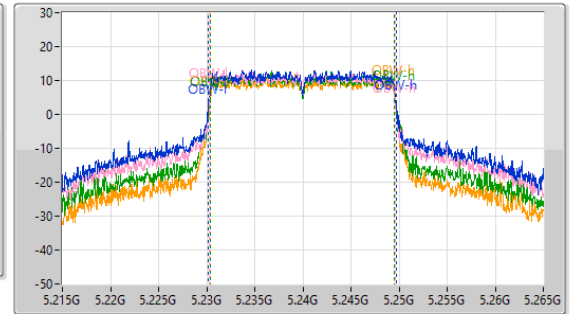
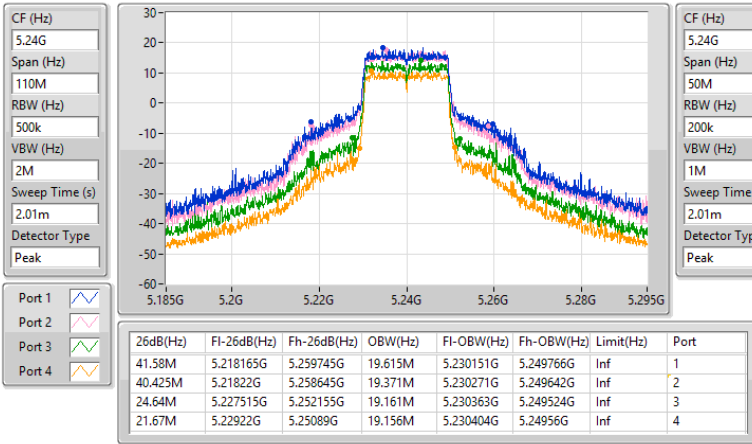

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

30/07/2025

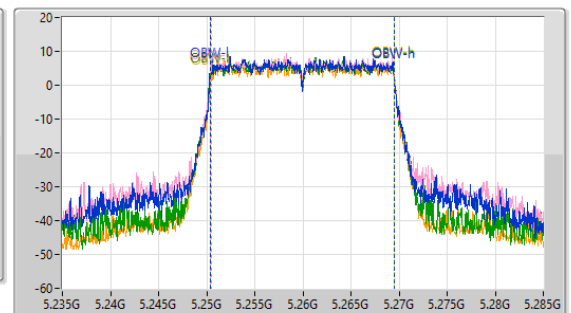
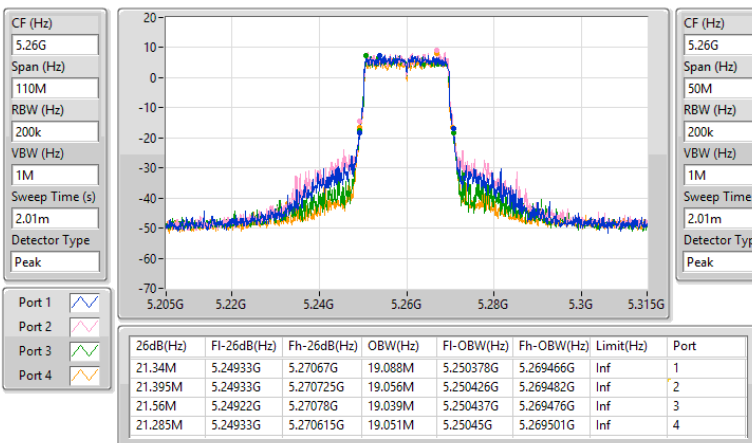


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

30/07/2025

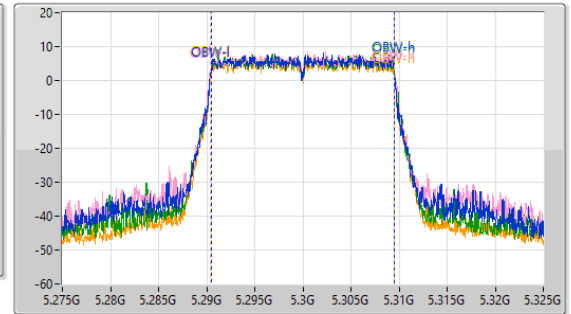
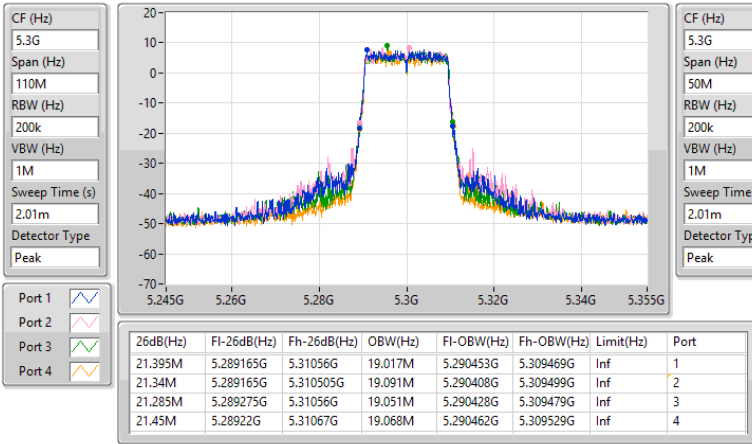

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5260MHz

30/07/2025

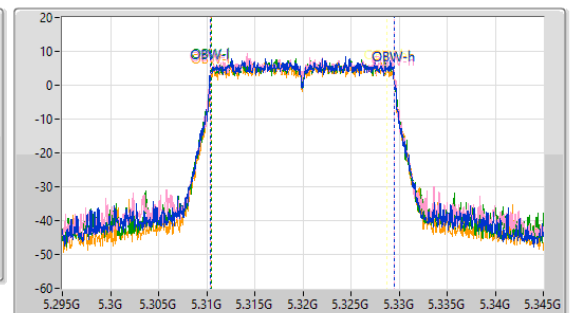
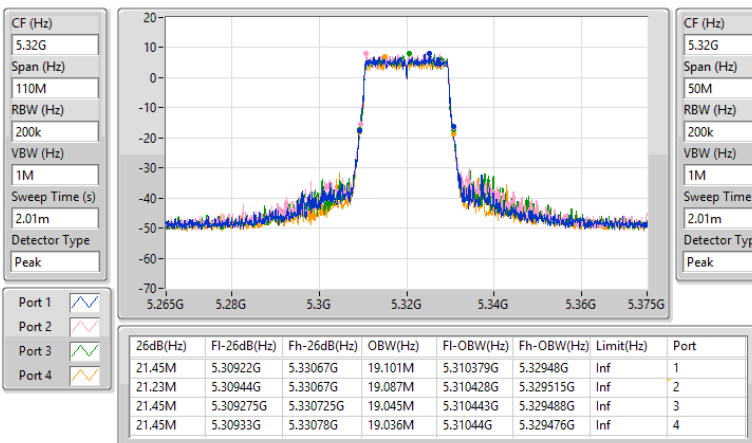


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5300MHz

30/07/2025


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5320MHz

30/07/2025

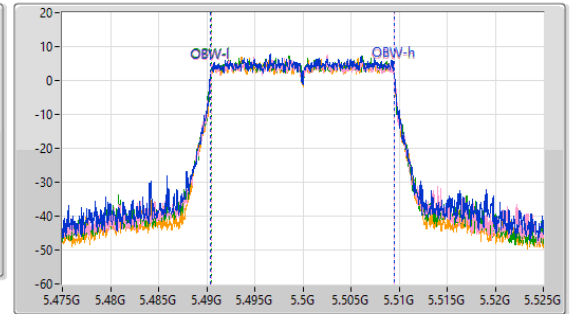
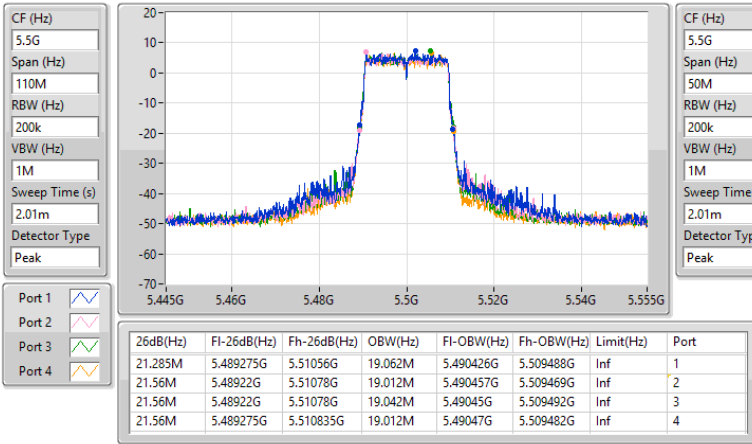


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

30/07/2025

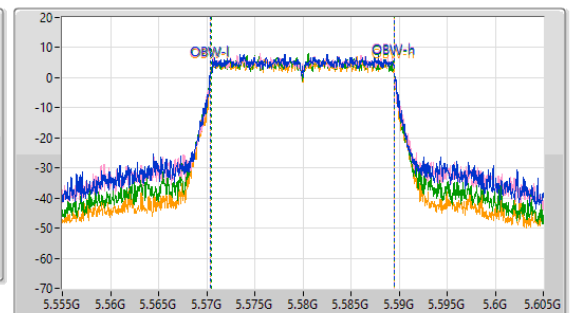
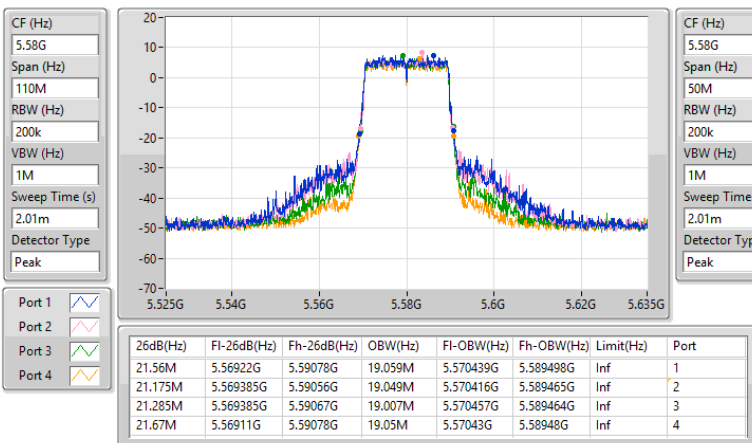


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

30/07/2025

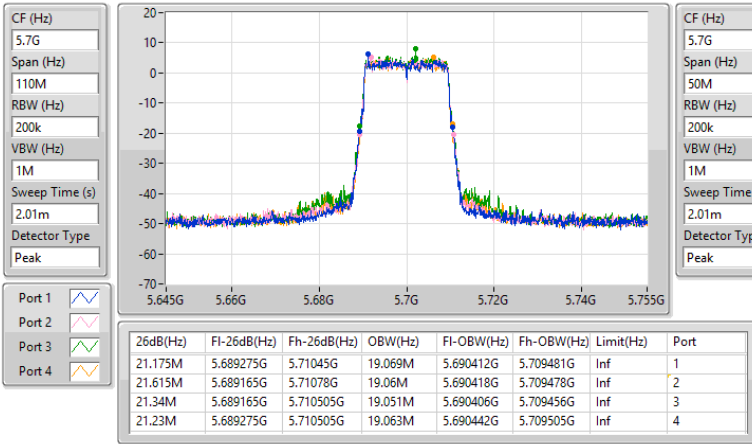


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

30/07/2025

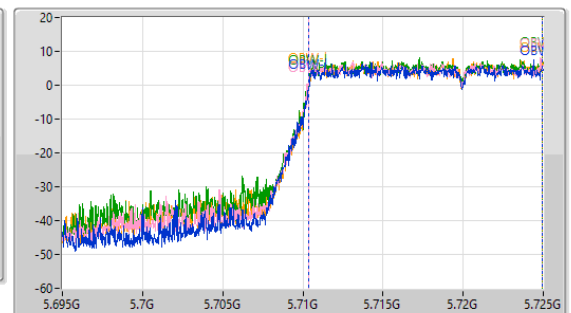
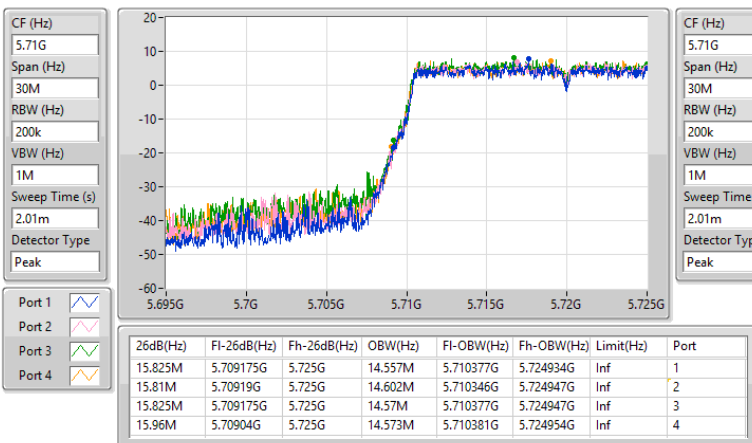


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/07/2025

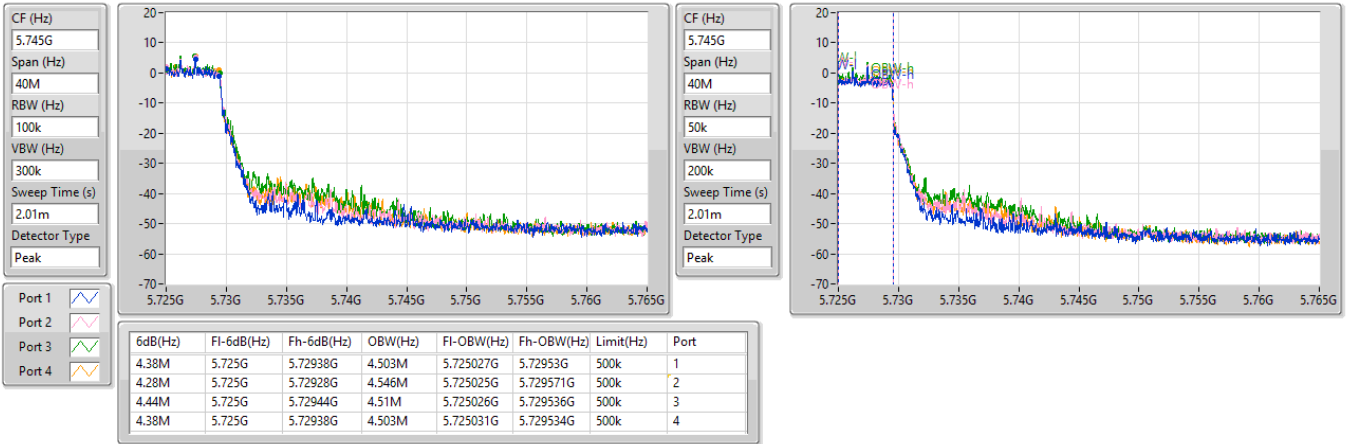


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2025

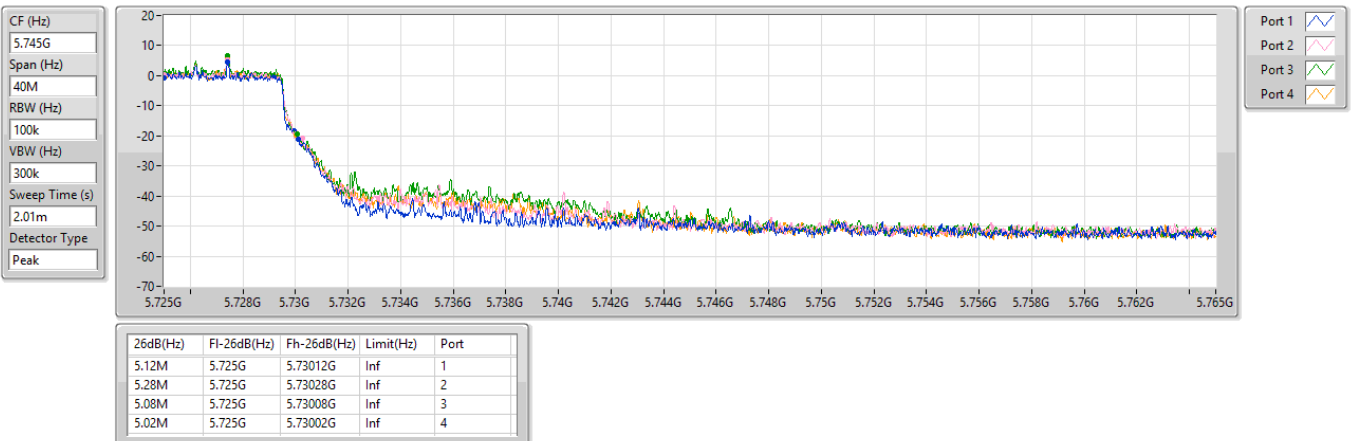


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2025

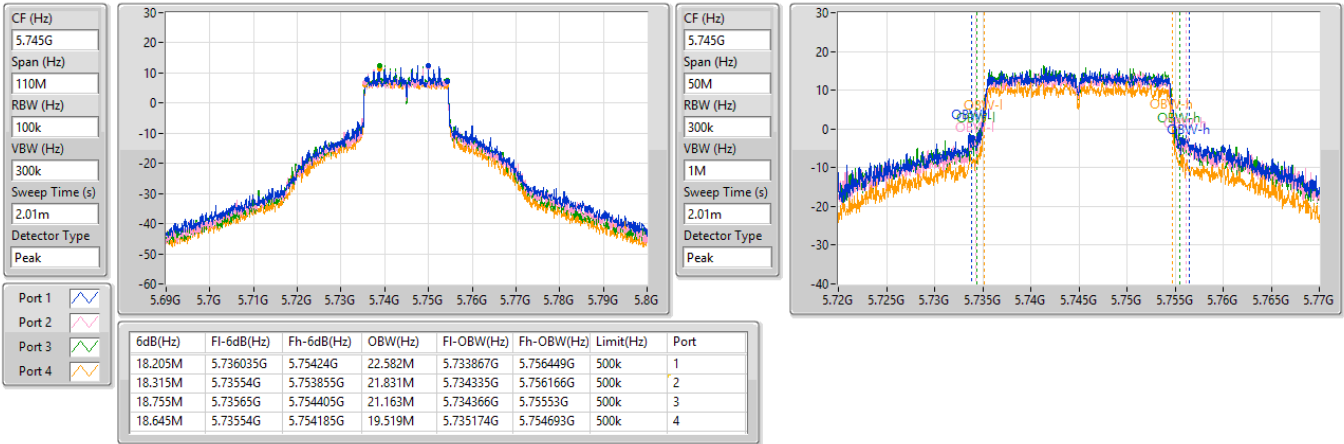


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

30/07/2025

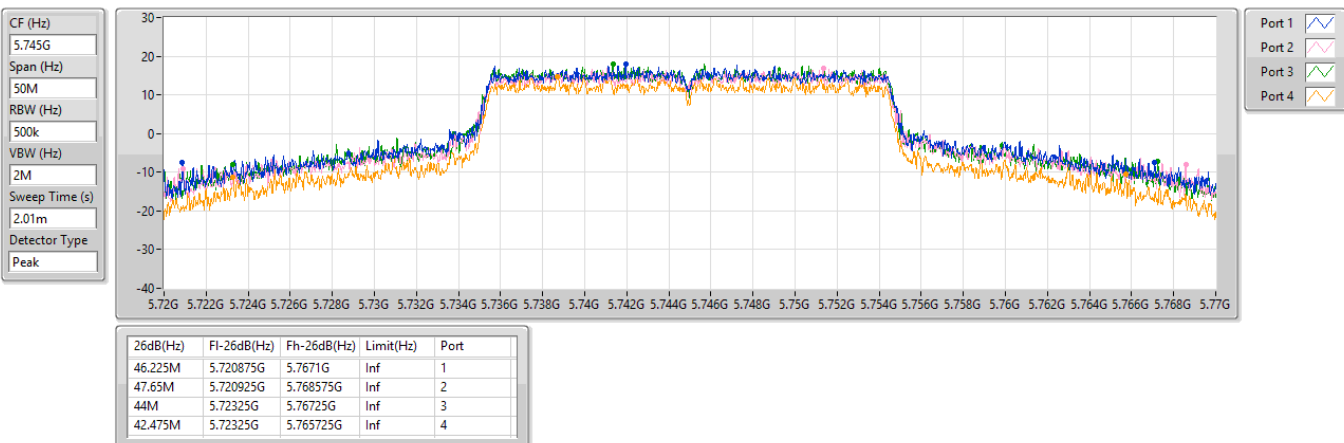


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

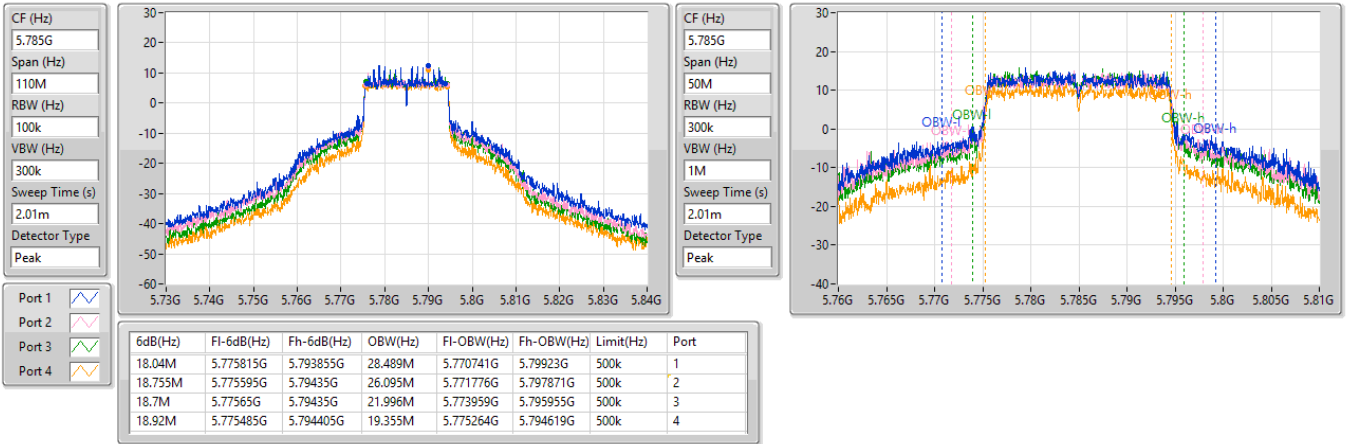
5745MHz

30/07/2025

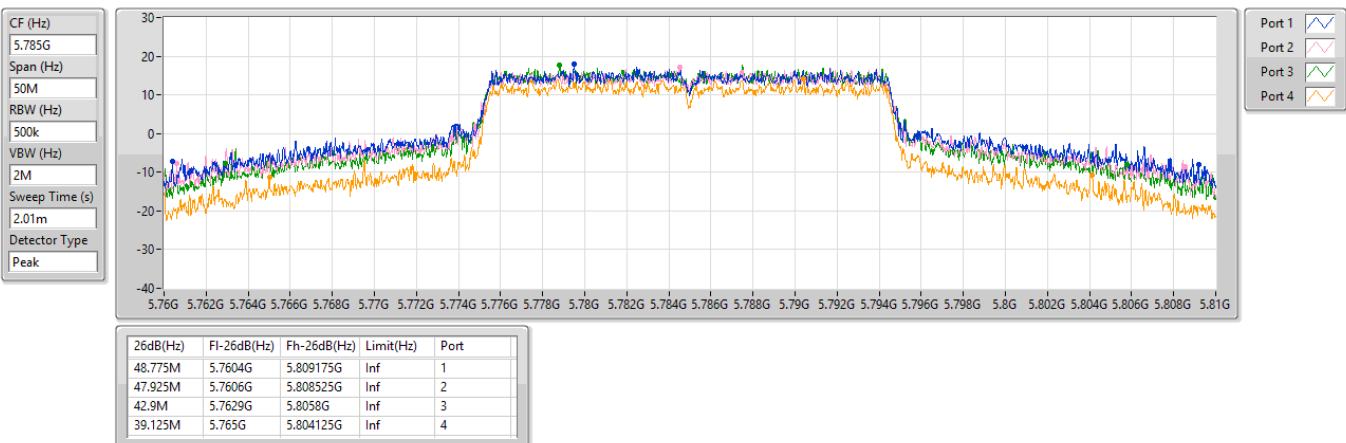


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5785MHz

30/07/2025


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5785MHz

30/07/2025

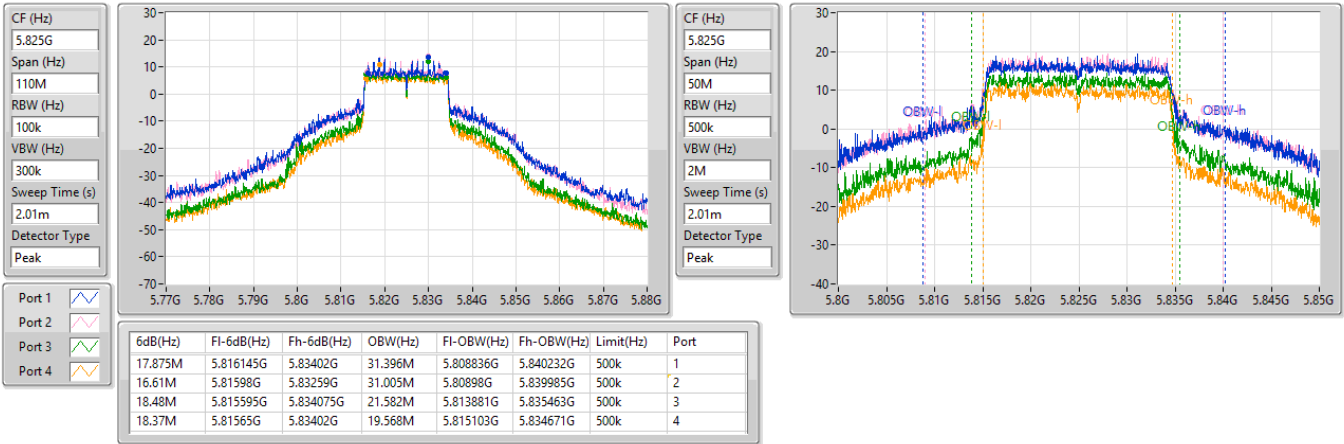


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

30/07/2025

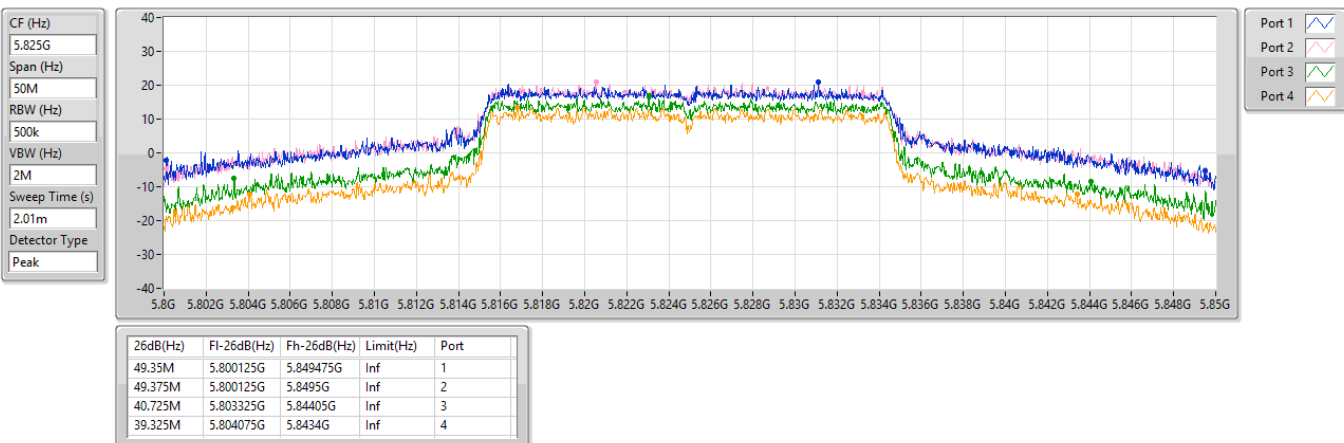


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

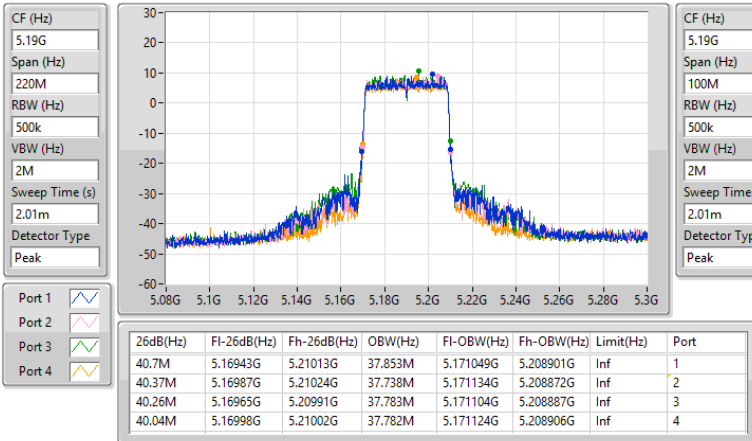
5825MHz

30/07/2025

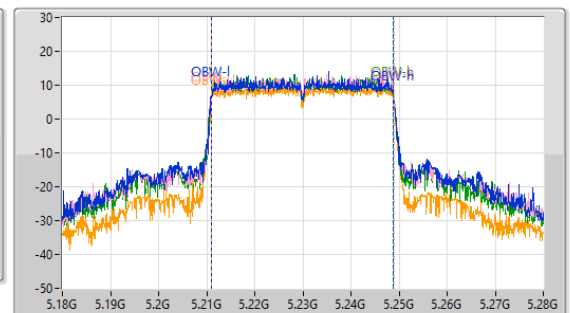
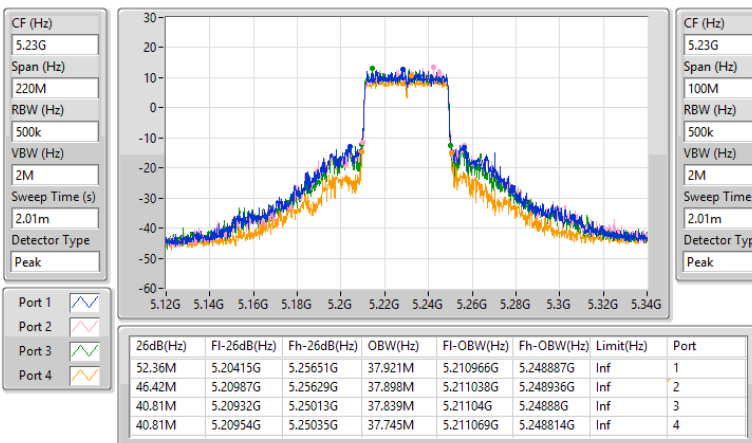


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

30/07/2025

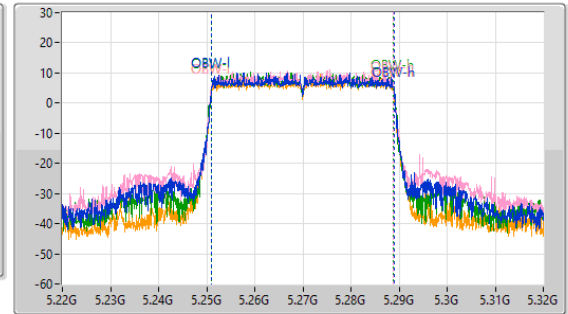
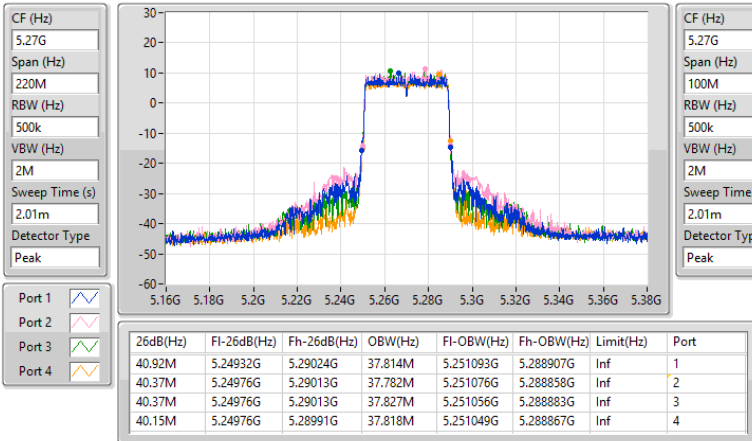

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5230MHz

30/07/2025

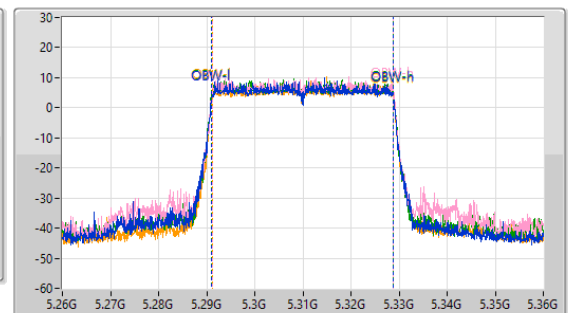
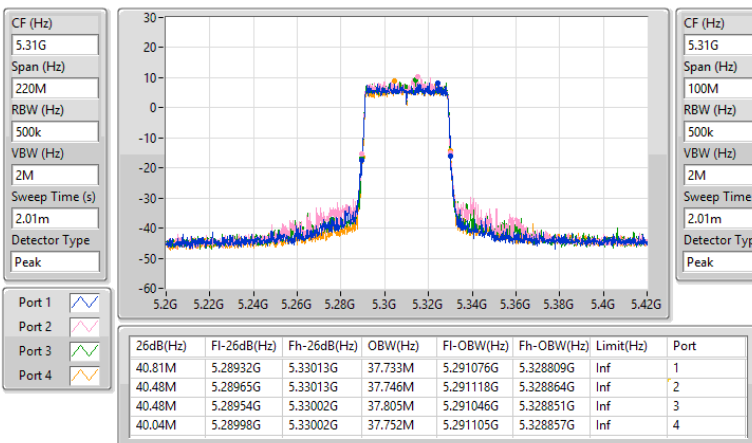


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5270MHz

30/07/2025


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5310MHz

30/07/2025

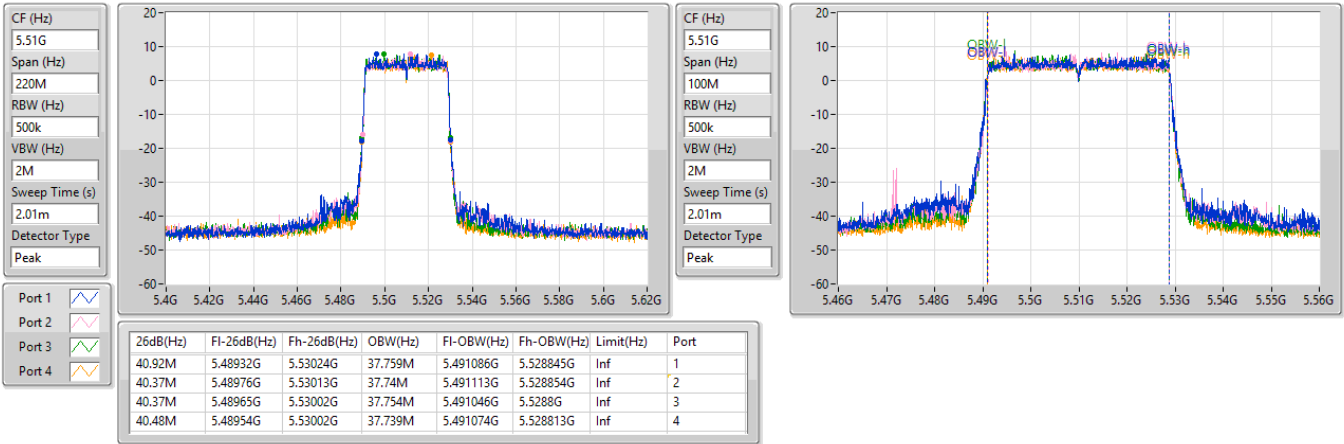


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

30/07/2025

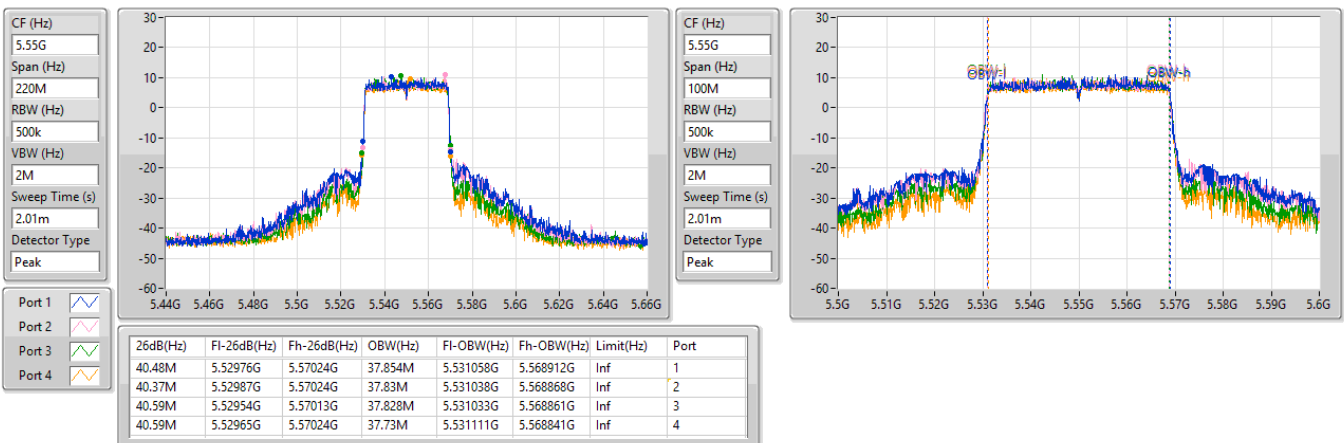


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

30/07/2025

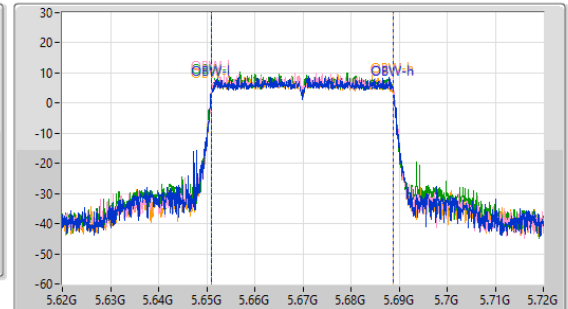
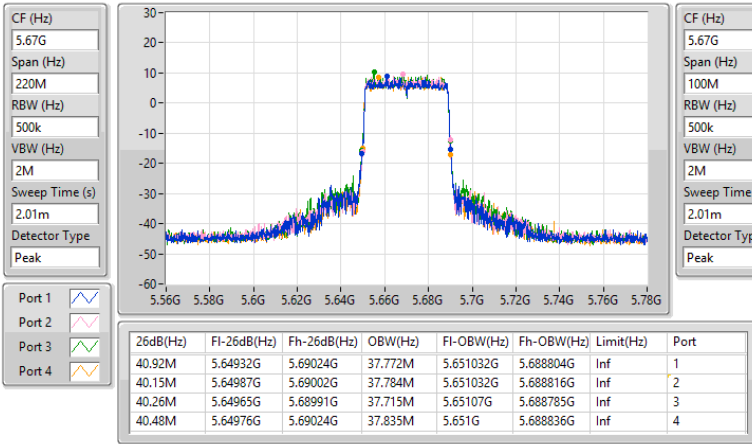


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

30/07/2025

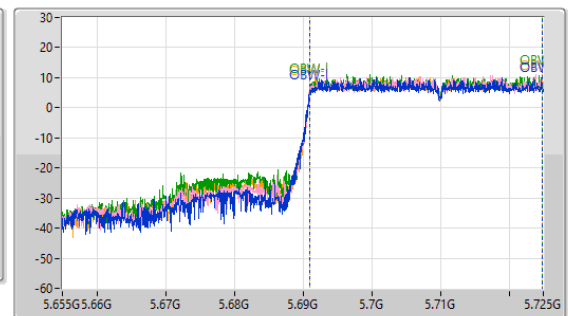
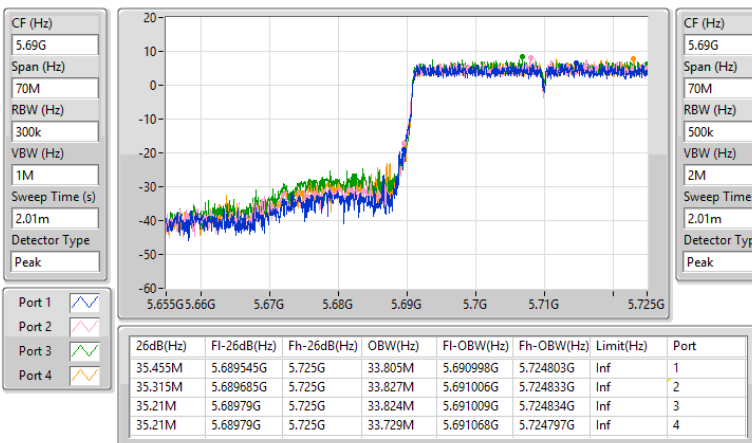


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

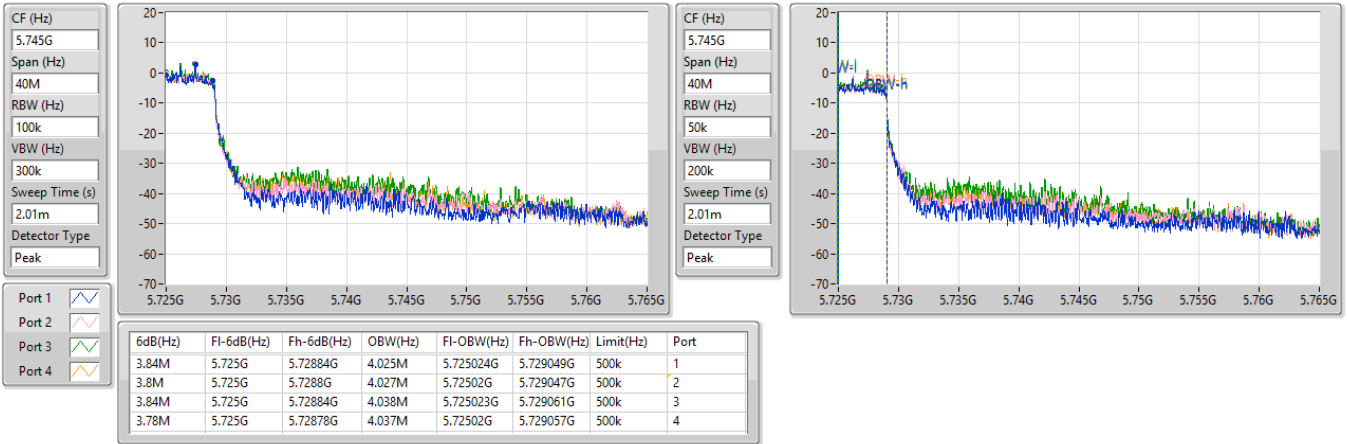
5710MHz Straddle 5.47-5.725GHz

30/07/2025

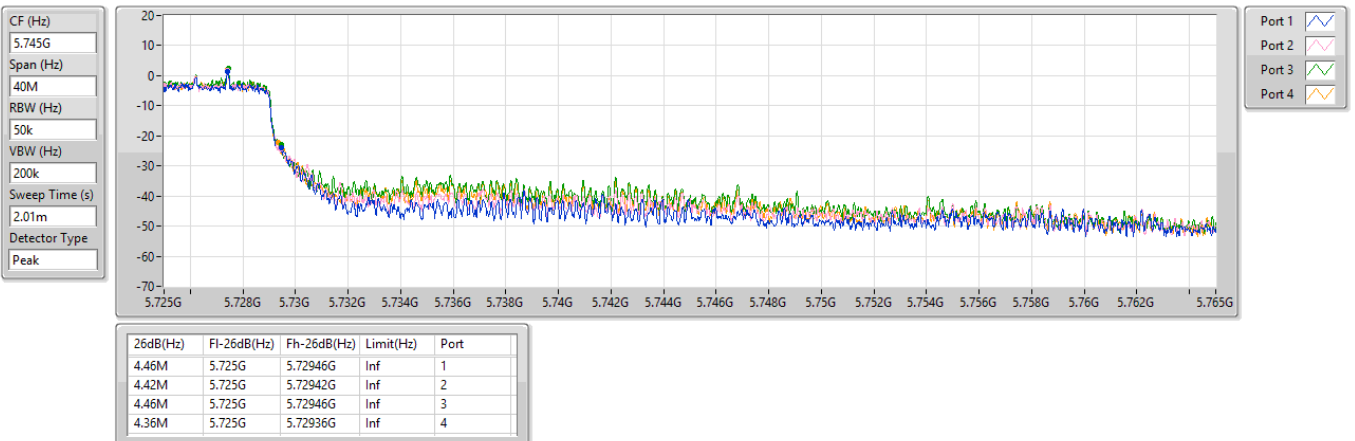


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

30/07/2025


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

30/07/2025

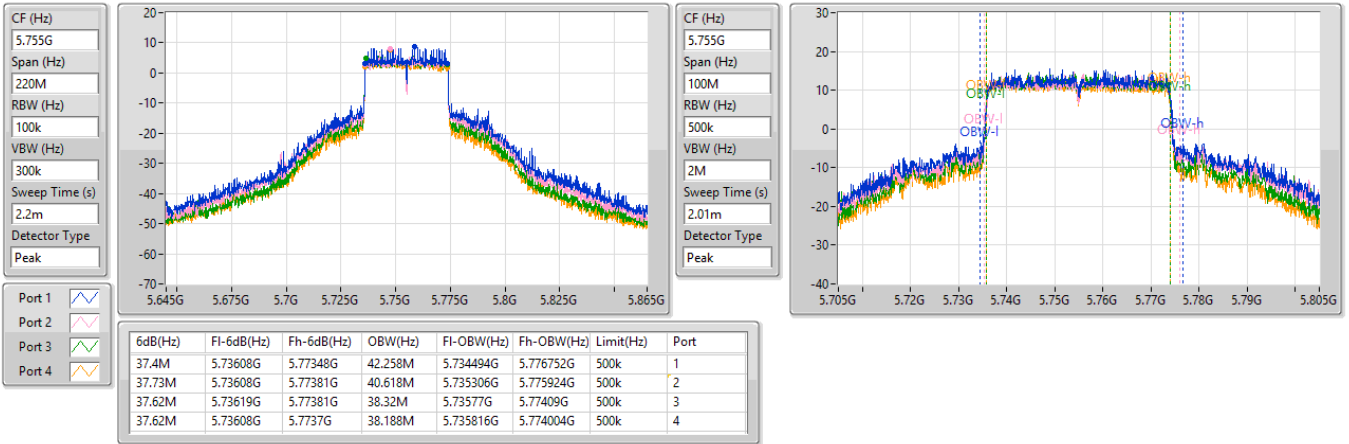


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2025

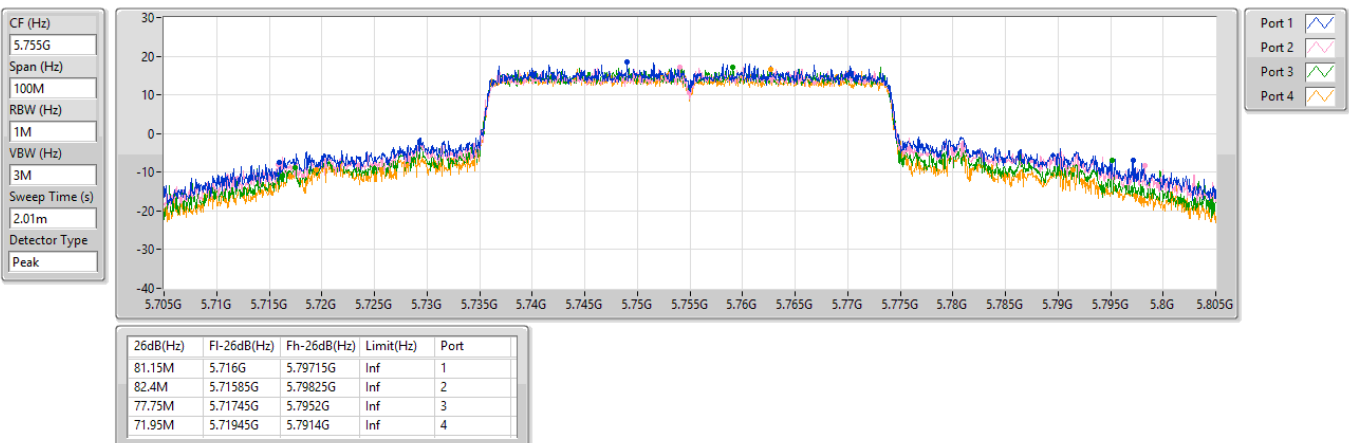


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2025

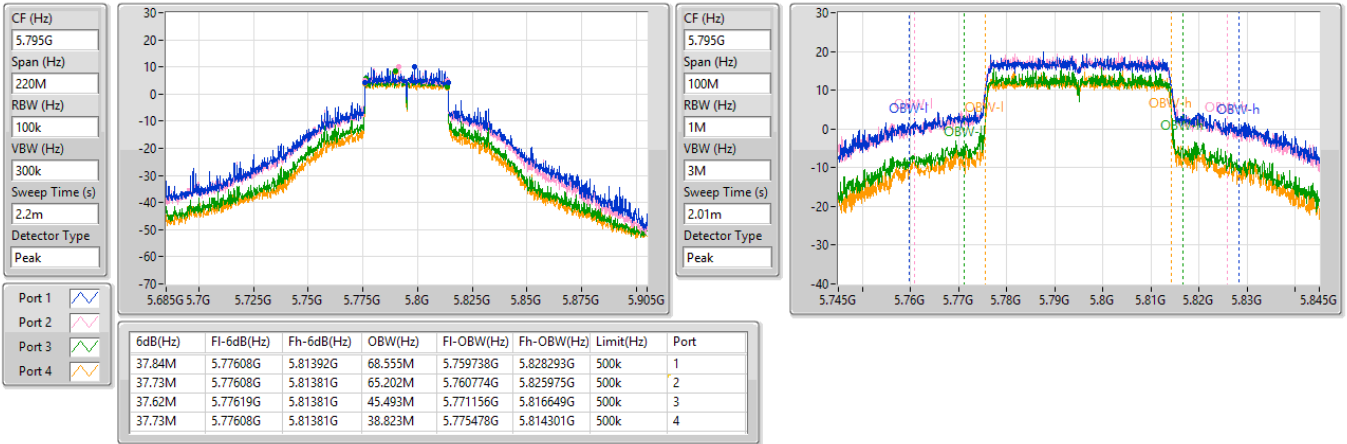


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2025



5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2025

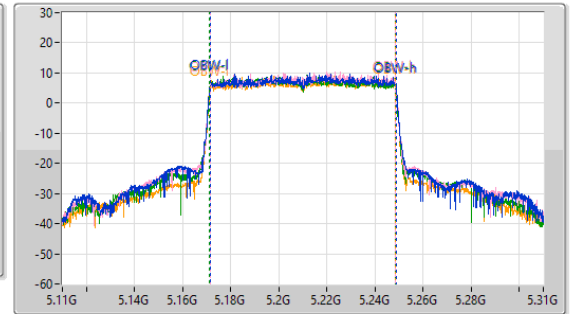
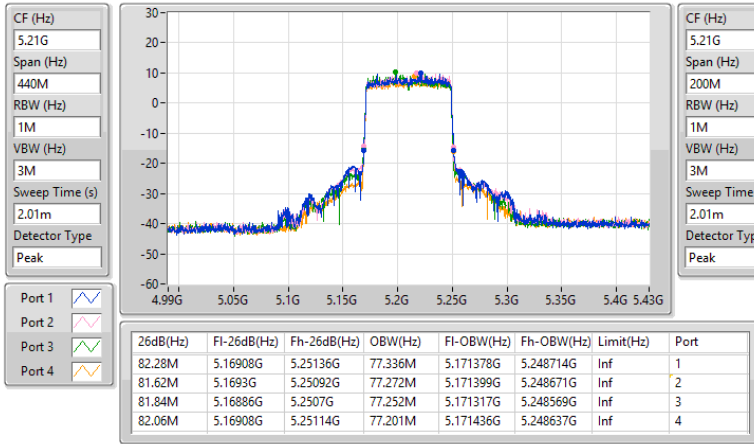


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

30/07/2025

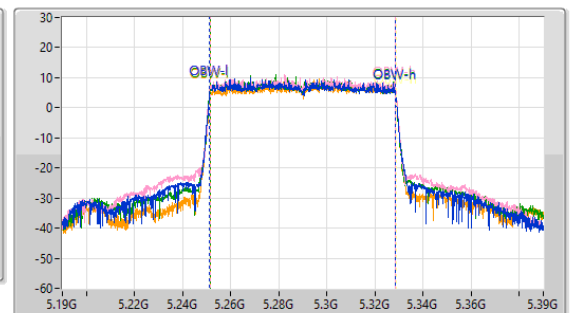
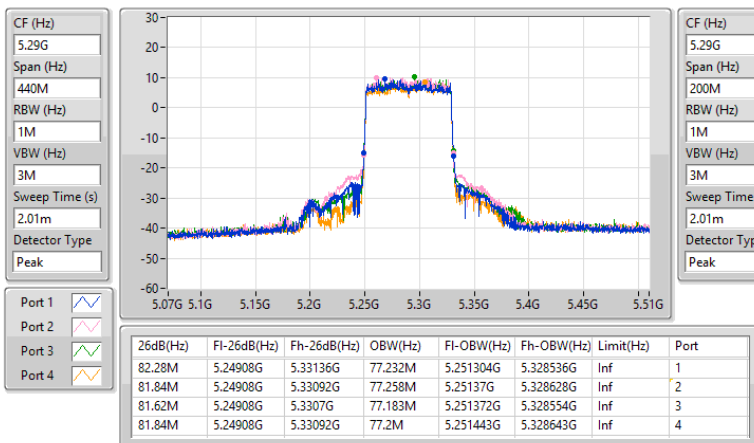


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

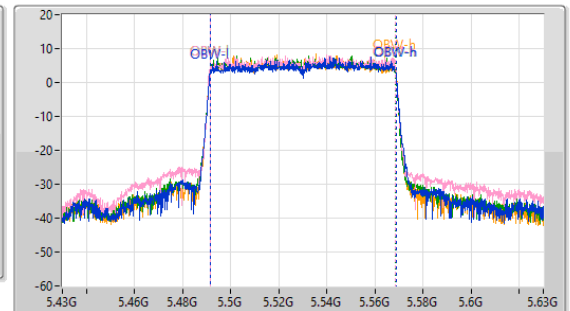
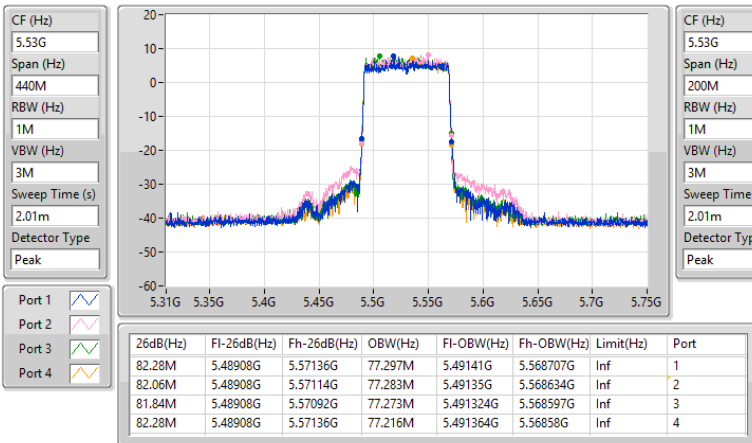
5290MHz

30/07/2025

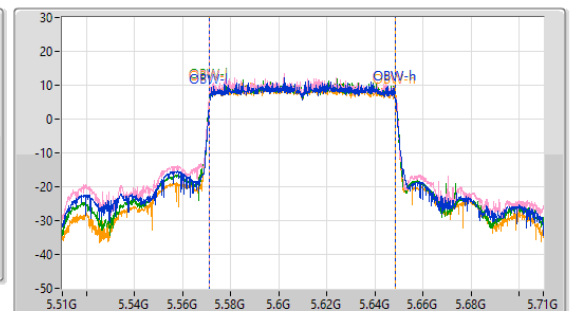
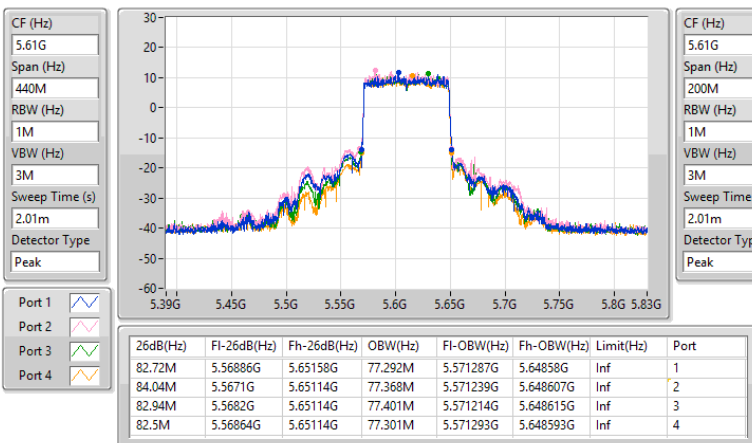


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5530MHz

30/07/2025

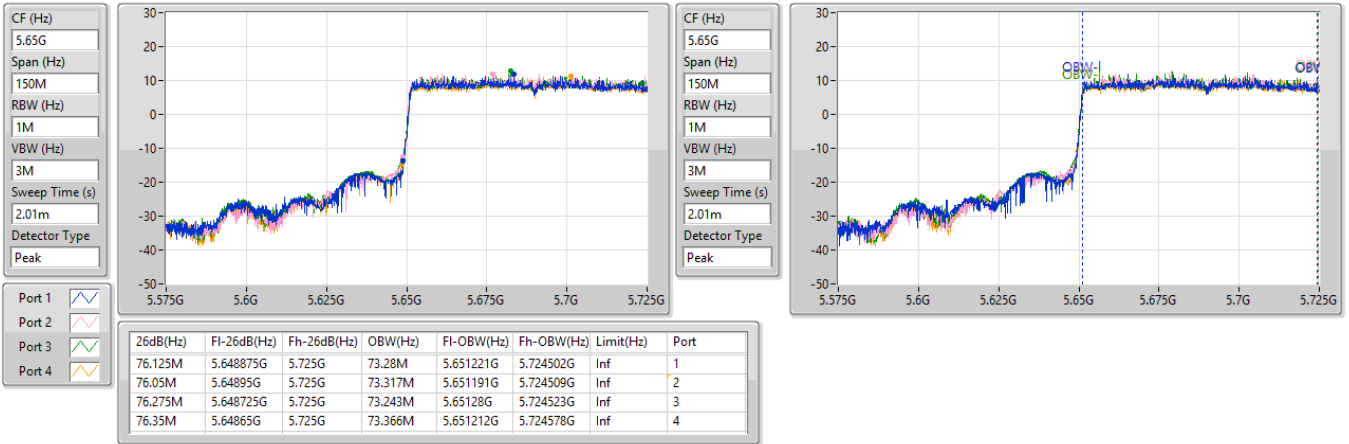

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5610MHz

30/07/2025



5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

30/07/2025


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

30/07/2025

