

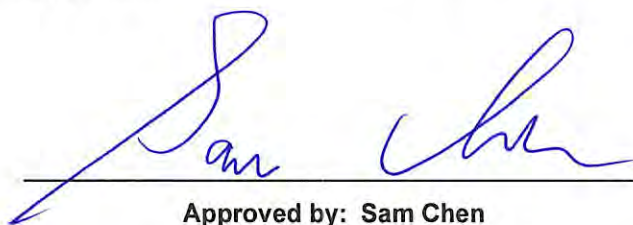


RADIO TEST REPORT

FCC ID : UDX-600201010
Equipment : Cisco Wireless 9176I Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9176I
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 07, 2024, and testing was started from Apr. 08, 2024 and completed on Jun. 28, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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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
1.1.3	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: Wendy Pan**



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5470-5725	a, n (HT20), ac (VHT20), ax (HEW20), be (EHT20)	5500-5720	100-144 [12]
5470-5725	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5510-5710	102-142 [6]
5470-5725	ac (VHT80), ax (HEW80), be (EHT80)	5530-5690	106-138 [3]
5470-5725	ac (VHT160), ax (HEW160), be (EHT160)	5570	114 [1]

For Radio 2

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	1, 2, 4TX/4RX
5.47-5.725GHz	802.11n HT20	20	1, 2, 4TX/4RX
5.47-5.725GHz	802.11n HT20-BF	20	2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT20	20	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT20-BF	20	2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
5.47-5.725GHz	802.11be EHT20	20	1, 2, 4TX/4RX
5.47-5.725GHz	802.11be EHT20-BF	20	2, 4TX/4RX
5.47-5.725GHz	802.11n HT40	40	1, 2, 4TX/4RX
5.47-5.725GHz	802.11n HT40-BF	40	2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT40	40	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT40-BF	40	2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
5.47-5.725GHz	802.11be EHT40	40	1, 2, 4TX/4RX
5.47-5.725GHz	802.11be EHT40-BF	40	2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT80	80	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT80-BF	80	2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW80-BF	80	2, 4TX/4RX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11be EHT80	80	1, 2, 4TX/4RX
5.47-5.725GHz	802.11be EHT80-BF	80	2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT160	160	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ac VHT160-BF	160	2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
5.47-5.725GHz	802.11ax HEW160-BF	160	2, 4TX/4RX
5.47-5.725GHz	802.11be EHT160	160	1, 2, 4TX/4RX
5.47-5.725GHz	802.11be EHT160-BF	160	2, 4TX/4RX

For Radio 4(Pine Scanning radio)

Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11a	20	1TX/2RX
5.47-5.725GHz	802.11n HT20	20	1TX/2RX
5.47-5.725GHz	802.11ac VHT20	20	1TX/2RX
5.47-5.725GHz	802.11ax HEW20	20	1TX/2RX
5.47-5.725GHz	802.11n HT40	40	1TX/2RX
5.47-5.725GHz	802.11ac VHT40	40	1TX/2RX
5.47-5.725GHz	802.11ax HEW40	40	1TX/2RX
5.47-5.725GHz	802.11ac VHT80	80	1TX/2RX
5.47-5.725GHz	802.11ax HEW80	80	1TX/2RX
5.47-5.725GHz	802.11ac VHT160	160	1TX/2RX
5.47-5.725GHz	802.11ax HEW160	160	1TX/2RX

MRU (static preamble puncturing)
For Multi-RU:

RU-tone	Bandwidth (MHz)				5GHz Test CH		
					UNII-2C		UNII2C/3
	80				CH106	CH122	CH138
242+242(MCS0)	242			242	V	V	V
242+242(MCS4)	242			242	V	V	V
484+242(MCS0)	484			242	V	V	V
484+242(MCS4)	484			242	V	V	V

RU-tone	Bandwidth (MHz)						5GHz Test CH
							UNII-2C
	160						CH114
996+484(MCS0)	484				996		V
996+484(MCS4)	484				996		V
996+484+3x242(MCS0)	484	242		242		242	V
996+484+3x242(MCS4)	484	242		242		242	V
484+484(MCS0)	484					484	V
484+484(MCS4)	484					484	V

For Puncturing:

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

RU-tone	Configuration	Bandwidth (MHz)						5GHz Test CH
								UNII-2C
		160						CH114
996+484	1		484			996		V
	2	484				996		V
	3		996				484	V
	4		996		484			--
996+484+242	1		242	484		996		V
	2	242		484		996		V
	3	484		242		996		V
	4	484	242			996		V
	5		996		242		484	V
	6		996		242		484	V
	7		996		484		242	V
	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 unwanted emission testing
5. Confirm whether the worst MRU(static preamble puncturing) configuration setting in steps 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**

Ant.	RF Port	Brand Name	Model Name	Ant. Type	Connector	Gain (dBi)	Modes of Operation
1	1	WNC	95XEAK15.GAV	PCB	I-PEX	Note 1	2.4GHz, 5GHz UNII 1~2A (Radio 1)
2	3	WNC	95XEAK15.GAW	PCB	I-PEX		
3	2	WNC	95XEAK15.GAY	PIFA	I-PEX		
4	4	WNC	95XEAK15.GAX	PIFA	I-PEX		
5	2	WNC	95XEAK15.GAZ	PCB	I-PEX		5GHz UNII 1~3 or UNII 2C~3 only (Radio 2)
6	3	WNC	95XEAK15.GB1	PCB	I-PEX		
7	1	WNC	95XEAK15.GB2	PIFA	I-PEX		
8	4	WNC	95XEAK15.GB3	PIFA	I-PEX		
9	1	WNC	95XEAK15.GB4	PCB	I-PEX		6GHz UNII 5~8 (Radio 3)
10	2	WNC	95XEAK15.GB5	PCB	I-PEX		
11	3	WNC	95XEAK15.GB7	PIFA	I-PEX		2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))
12	4	WNC	95XEAK15.GB6	PIFA	I-PEX		
13	2	WNC	95XEAK15.GBB	PIFA	I-PEX		
14	1	WNC	95XEAK15.GBA	PIFA	I-PEX		Bluetooth and Zigbee (Radio 5)
15	1	WNC	95XEAK15.GB8	PIFA	I-PEX		
16	1	WNC	95XEAK15.GB9	PIFA	IPEX	1.16GHz~1.19GHz: 2.9 1.56GHz~1.59GHz: 3.9	GPS (Radio 6)
17	1	WNC	95XEAK15.GBF	PIFA	IPEX	5.7	UWB (Radio 7)
18	2	WNC	95XEAK15.GBE	PCB	IPEX	6	
19	3	WNC	95XEAK15.GBE	PCB	IPEX	7.3	
20	4	WNC	95XEAK15.GBE	PCB	IPEX	5.6	



Note 1:

NOTE 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1)		WLAN 5GHz UNII 1~2A (Radio 1)						
			5.2GHz			5.3GHz			
1	4.98		2.42			3.3			
2	4.38		2.59			2.48			
3	3.95		4.86			5.17			
4	3.56		3.03			2.66			
Ant.	WLAN 5GHz UNII 1~3 (Radio 2)								
	5.2GHz		5.3GHz		5.6GHz		5.785GHz		
	5	2.65	3.3		2.92		2.37		
6	2.18	2.69		3.01		2.91			
7	3.63	3.77		3.93		3.91			
8	4.44	3.9		3.79		3.47			
Ant.	WLAN 6GHz UNII 5~8 (Radio 3)								
	6.175GHz		6.475GHz		6.695GHz		6.995GHz		
	9	3.45	4.72		3.33		3.43		
10	4.22	5.11		4.08		4.61			
11	4.83	3.79		3.71		4.53			
12	5.01	4.66		4.66		5.6			
Ant.	WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz UNII 5~8 (Radio 4(Pine Scanning radio))								
	2.45GHz	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
	13	2.46	2.35	2.62	4.9	3.33	5.53	4.82	4.27
14	2.39	4.11	4.47	5.67	4.75	6.1	4.65	4.58	6.18
Ant.	Bluetooth/Zigbee (Radio 5)								
	15	3.58							

Note 2:

Item	Directional Gain (dBi)							
	WLAN 2.4GHz (Radio 1)		WLAN 5GHz UNII 1~2A (Radio 1)					
			5.2GHz			5.3GHz		
2T1S	5.13		4.86			5.17		
2T2S	4.98		4.86			5.17		
4T1S	6.92		5.15			5.29		
4T2S	4.98		4.86			5.17		
4T4S	4.98		4.86			5.17		
Item	WLAN 5GHz UNII 1~3 (Radio 2) / WLAN 6GHz UNII 5~8 (Radio 3)							
	5.2GHz	5.3GHz	5.6GHz	5.785GHz	6.175GHz	6.475GHz	6.695GHz	6.995GHz
2T1S	3.63	3.77	3.93	3.91	4.44	3.9	3.93	3.91
2T2S	3.63	3.77	3.93	3.91	4.44	3.9	3.93	3.91
4T1S	5.24	5	5.57	4.69	6.4	6.14	5.25	6.29
4T2S	4.44	3.9	3.93	3.91	5.01	5.11	4.66	5.6
4T4S	4.44	3.9	3.93	3.91	5.01	5.11	4.66	5.6

Note 3: The above information (excepting Ant. 1~15 antenna gain and directional gain) was declared by manufacturer.

Note 4: Radio 1~3: Maximum Directional Gain following KDB662911 D03.

For Radio 1

**For 2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1TX, 2TX, 4TX/4RX) and
For 5GHz (UNII 1~2A) IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):**

1TX

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

**For Radio 2****For 5GHz (UNII 1~3 or UNII 2C~3):****For IEEE 802.11a/n/ac/ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 3**For 6GHz (UNII 5~8):****For IEEE 802.11ax/be mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 4(Pine Scanning radio)**For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 5GHz (UNII 1~3):**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For 6GHz (UNII 5~8):**For IEEE 802.11ax mode (1TX/2RX):**

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

Port 1~2 could receive simultaneously.

For Radio 5:**For Bluetooth/Zigbee mode (1TX/1RX)**

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

For Radio 6:**For GPS (1TX/1RX)**

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

For Radio 7:**For UWB (1TX/4RX)**

Mounting on a Wall

Only Port 1 can be used as transmitting functions.

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

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

Mounting on a Ceiling

Only Port 2 can be used as transmitting functions.



Port 1, Port 2, Port 3, Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3, Port 4 could receive simultaneously.

1.1.4 Mode Test Duty Cycle

**For Full RU
For Radio 2**

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11a_Nss1,(6Mbps)	0.992	0.03	1.977m	10
802.11be EHT20_Nss1,(MCS0)	0.979	0.09	5.137m	300
802.11be EHT40_Nss1,(MCS0)	0.973	0.12	5.301m	300
802.11be EHT80_Nss1,(MCS14)	0.978	0.1	5.144m	300
802.11be EHT160_Nss1,(MCS14)	0.961	0.17	5.396m	300
802.11be EHT20-BF_Nss1,(MCS0)	0.979	0.09	5.137m	300
802.11be EHT40-BF_Nss1,(MCS0)	0.973	0.12	5.301m	300
802.11be EHT80-BF_Nss1,(MCS14)	0.978	0.1	5.144m	300
802.11be EHT160-BF_Nss1,(MCS14)	0.961	0.17	5.396m	300

For Radio 4(Pine Scanning radio)

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11a_Nss 1,(6D)	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss 1,(M0)	0.818	0.87	5.446m	300
802.11ax HEW40_Nss 1,(M0)	0.815	0.89	5.446m	300
802.11ax HEW80_Nss 1,(M0)	0.812	0.9	5.446m	300
802.11ax HEW160_Nss 1,(M0)	0.792	1.01	5.446m	300

**For Multi-RU
For Radio 2**

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.805	0.94	1.76m	1k
802.11be EHT80_Nss1,(MCS0),RU242+RU242	0.901	0.45	2.745m	1k
802.11be EHT160_Nss1,(MCS0),RU996+RU484	0.791	1.02	1.42m	1k
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242	0.898	0.47	2.76m	1k
802.11be EHT160_Nss1,(MCS0),RU484+RU484	0.812	0.9	1.421m	1k

**For Puncturing
For Radio 2**

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT80_Nss1,(MCS14),RU484+RU242	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160_Nss1,(MCS14),RU996+RU484+RU242	0.973	0.12	5.376m	300
802.11be EHT160_Nss1,(MCS14),RU996+RU484	0.973	0.12	5.376m	300

Note:

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

**1.1.5 EUT Operational Condition**

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 802.11n/VHT/ax/be WLAN 2.4GHz(Radio 1), 802.11n/11ac/11ax/11be WLAN 5GHz (Radio1 and Radio 2) and 802.11ax/11be WLAN 6GHz(Radio 3).			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☒	Supported Static Puncturing (For Radio 1, 2)		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported (For Radio 4(Pine Scanning radio))		
Support RU	☒	Full RU (For Radio 1, 2, 4)	☒	Partial RU (For Radio 1, 2)
Test Software Version	For Full RU: QSPR v6.00.00110.1 For Partial RU: QRCT v4.0.95.1			

Note: The above information was declared by manufacturer.

**1.1.6 Table for Radio function**

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	Zigbee	GPS	UWB
1	V	V (UNII 1~2A)	-	-	-	-	-
2	-	V (UNII 2C~3/ UNII 1~3)	-	-	-	-	-
3	-	-	V	-	-	-	-
4 (Pine Scanning radio)	V	V (UNII 1~3)	V	-	-	-	-
5	-	-	-	V	V	-	-
6	-	-	-	-	-	V	-
7	-	-	-	-	-	-	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 1 and Radio 4(Pine Scanning radio) can't operate at the same frequency.
For WLAN 5GHz: The Radio 1, 2 and Radio 4(Pine Scanning radio) can't operate at the same frequency.
For WLAN 6GHz: The Radio 3 and Radio 4(Pine Scanning radio) can't operate at the same frequency simultaneously.

1.1.7 Table for Multiple Listing

Equipment Name	Model Name	SW	Frequencies supported by 320MHz
Cisco Wireless 9176I Series Wi-Fi 7 Access Point	CW9176I	Cisco	6105, 6265, 6425, 6745 MHz
		Meraki	6105, 6265, 6425, 6585, 6745, 6905 MHz

Note: The above information was declared by manufacturer.

1.1.8 Table for EUT Support Function

Function	Supports Band
AP Router	2.4GHz, 5GHz UNII 1~3, 6GHz UNII 5~8, Bluetooth, Zigbee, UWB and GPS
Mesh	6GHz UNII 5~8

Note: The above information was declared by manufacturer.

1.1.9 Table for EUT Operation Function

Mode	Operation Function
1	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
2	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
3	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
4	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
5	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
6	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
7	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
8	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
9	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
10	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
11	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
12	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
13	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
14	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
15	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
16	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
17	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
18	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
19	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
20	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
21	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
22	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
23	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
24	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB

Note: 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 C63.10-2013
- ♦ FCC KDB 789033 D02 v02r01

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (Test Mode: Mode 1~2)	TH01-CB	Jay Lo	23.7~24.3 / 62~64	Apr. 09, 2024~ Jun. 06, 2024
RF Conducted (Test Mode: Mode 3~8)	TH01-CB	Jay Lo	23.7~24.3 / 62~64	Jun. 20, 2024~ Jun. 28, 2024
Radiated below 1GHz	03CH04-CB	Mark Hsu	22.7-23.8 / 56-59	Jun. 06, 2024~ Jun. 07, 2024
Radiated above 1GHz (Test Mode: Mode 1~2)	03CH02-CB	Mark Hsu	21.8-22.9 / 55-58	Apr. 08, 2024~ Jun. 24, 2024
Radiated above 1GHz (Test Mode: Mode 3~4)	03CH02-CB	Mark Hsu	21.8-22.9 / 55-58	Jun. 03, 2024~ Jun. 28, 2024
AC Conduction	CO02-CB	Gray Lee	20~21 / 61~62	Jun. 17, 2024



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 ($k=2$))

Before test date: May 28, 2024

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%

After test date: May 27, 2024

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Full RU
For Radio 2

Mode
802.11a_Nss1,(6Mbps)_1TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS14)_1TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS14)_1TX
5570MHz
802.11a_Nss1,(6Mbps)_2TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz



5825MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS14)_2TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS14)_2TX
5570MHz
802.11a_Nss1,(6Mbps)_4TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz



5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS14)_4TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS14)_4TX
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS14)_2TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS14)_2TX
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
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
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz



5755MHz
5795MHz
802.11be EHT80-BF_Nss1,(MCS14)_4TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160-BF_Nss1,(MCS14)_4TX
5570MHz

For Radio 4(Pine Scanning radio)

Mode
802.11a_Nss1,(6Mbps)_1TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_1TX
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
5570MHz

**For Multi-RU
For Radio 2**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_1TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_1TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_1TX
5570MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_2TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_2TX
5570MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX



5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_4TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_4TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_4TX
5570MHz

**For Puncturing
For Radio 2**

Mode
802.11be EHT80_Nss1,(MCS14),RU484+RU242 CP 3_1TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484+RU242 CP 7_1TX
5570MHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484 CP 2_1TX
5570MHz
802.11be EHT80_Nss1,(MCS14),RU484+RU242 CP 3_2TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484+RU242 CP 7_2TX
5570MHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484 CP 2_2TX
5570MHz
802.11be EHT80_Nss1,(MCS14),RU484+RU242 CP 3_4TX
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484+RU242 CP 7_4TX
5570MHz
802.11be EHT160_Nss1,(MCS14),RU996+RU484 CP 2_4TX
5570MHz

**Note:**

- ♦ For Radio 1, 2: Evaluated EHT20/EHT40/EHT80/EHT160 mode only due to the similar modulation. The power setting of HT20/VHT20/HEW20/HT40/VHT40/HEW40/VHT80/HEW80/VHT160/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.
- ♦ For Radio 4(Pine Scanning radio): Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the similar modulation. The power setting of HT20/VHT20/HT40/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.
- ♦ The puncturing/MRU PSD < Full RU PSD, thus selected the worst case of each combination to perform Unwanted Emissions above 1GHz test.

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	CTX
1	EUT + Radio 1 WLAN 2.4GHz + PoE 1
2	EUT + Radio 1 WLAN 2.4GHz + PoE 2
3	EUT + Radio 1 WLAN 2.4GHz + PoE 3
4	EUT + Radio 1 WLAN 2.4GHz + PoE 4
5	EUT + Radio 1 WLAN 2.4GHz + PoE 5
6	EUT + Radio 1 WLAN 2.4GHz + PoE 6
7	EUT + Radio 1 WLAN 2.4GHz + PoE 7
8	EUT + Radio 1 WLAN 2.4GHz + PoE 8
Mode 4 has been evaluated to be the worst case among Mode 1~8, thus measurement for Mode 9~16 will follow this same test mode.	
9	EUT + Radio 1 WLAN 5GHz (Low Band) + PoE 4
10	EUT + Radio 2 WLAN 5GHz + PoE 4
11	EUT + Radio 3 WLAN 6GHz + PoE 4
12	EUT + Radio 4(Pine Scanning radio) WLAN 2.4GHz + PoE 4
13	EUT + Radio 4(Pine Scanning radio) WLAN 5GHz + PoE 4
14	EUT + Radio 4(Pine Scanning radio) WLAN 6GHz + PoE 4
15	EUT + Radio 5 Bluetooth + PoE 4
16	EUT + Radio 5 Zigbee + PoE 4
For operating mode 10 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
Test Condition	Conducted measurement at transmit chains
1	EUT + Radio 2
2	EUT + Radio 4(Pine Scanning radio)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT Full RU + Radio 2
2	EUT Full RU + Radio 4(Pine Scanning radio)
3	EUT Multi-RU + Radio 2 1TX
4	EUT Multi-RU + Radio 2 2TX
5	EUT Multi-RU + Radio 2 4TX
6	EUT Puncturing + Radio 2 1TX
7	EUT Puncturing + Radio 2 2TX
8	EUT Puncturing + Radio 2 4TX



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
After evaluating, the worst case was found at as below for Unwanted Emissions above 1GHz. Thus, the measurement will follow this same test configuration.	
1	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 1
2	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 2
3	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 3
4	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 4
5	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 5
6	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 6
7	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 7
8	EUT in Y axis + Radio 1 WLAN 2.4GHz + PoE 8
Mode 1 has been evaluated to be the worst case among Mode 1~8, thus measurement for Mode 9~16 will follow this same test mode.	
9	EUT in Y axis + Radio 1 WLAN 5GHz (Low Band) + PoE 1
10	EUT in Y axis + Radio 2 WLAN 5GHz + PoE 1
11	EUT in Y axis + Radio 3 WLAN 6GHz + PoE 1
12	EUT in Y axis + Radio 4(Pine Scanning radio) WLAN 2.4GHz + PoE 1
13	EUT in Y axis + Radio 4(Pine Scanning radio) WLAN 5GHz + PoE 1
14	EUT in Y axis + Radio 4(Pine Scanning radio) WLAN 6GHz + PoE 1
15	EUT in X axis + Radio 5 Bluetooth + PoE 1
16	EUT in X axis + Radio 5 Zigbee + PoE 1
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, and the worst case was found as below. So the measurement will follow this same test configuration.	
1	EUT in Z axis for bandedge / EUT in Y axis for harmonic + Radio 2_Full RU
2	EUT in Y axis + Radio 4(Pine Scanning radio)_Full RU
3	EUT in Z axis for bandedge / EUT in Y axis for harmonic + Radio 2_Multi-RU
4	EUT in Z axis for bandedge / EUT in Y axis for harmonic + Radio 2_Puncturing



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
2	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
3	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
4	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
5	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
6	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
7	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
8	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
9	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
10	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
11	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
12	Radio 1 WLAN 2.4GHz + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
13	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB
14	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3)+ Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
15	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
16	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
17	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
18	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 2C~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
19	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Bluetooth + Radio 7 UWB

20	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Bluetooth + Radio 7 UWB
21	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Bluetooth + Radio 7 UWB
22	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 2.4GHz + Radio 5 Zigbee + Radio 7 UWB
23	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 5GHz + Radio 5 Zigbee + Radio 7 UWB
24	Radio 1 WLAN 5GHz (UNII 1~2A) + Radio 2 WLAN 5GHz (UNII 1~3) + Radio 3 WLAN 6GHz + Radio 4(Pine Scanning radio) WLAN 6GHz + Radio 5 Zigbee + Radio 7 UWB
Refer to Sporton Test Report No.: FA430535AA for Co-location RF Exposure Evaluation.	

Note 1: The PoE is for measurement only, would not be marketed.

Their information as below:

Power	Brand	Model
PoE 1	Microsemi	PD-9001GR/AT/AC
PoE 2	PHIHONG	POE29U-1AT(PL)
PoE 3	DELTA	ADH-65AR B
PoE 4	PHIHONG	POEA33U-1ATE
PoE 5	PHIHONG	POE60U-1BT-X
PoE 6	PHIHONG	POE60U-BTA(X66M-R)
PoE 7	PHIHONG	POE60U-BTA(X664-R)
PoE 8	DELTA	ADH-65AR P

2.3 EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

2.4 Accessories

Bracket 1*1

Bracket 2*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 4	PHIHONG	POEA33U-1ATE	N/A
B	PC	ASUS	S300TA	N/A
C	Flash disk3.0	Transcend	JetFlash-703	N/A

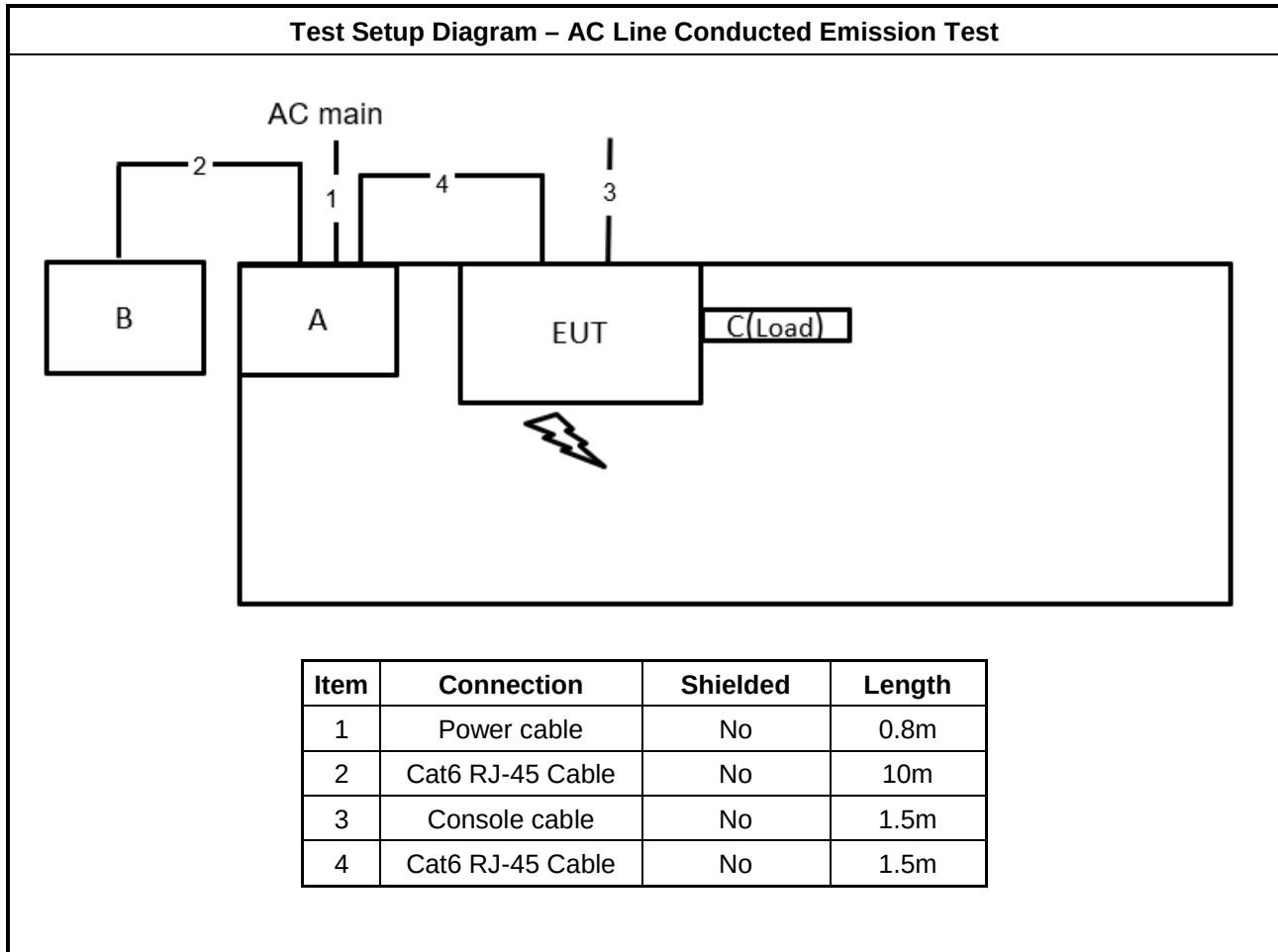
For Radiated:

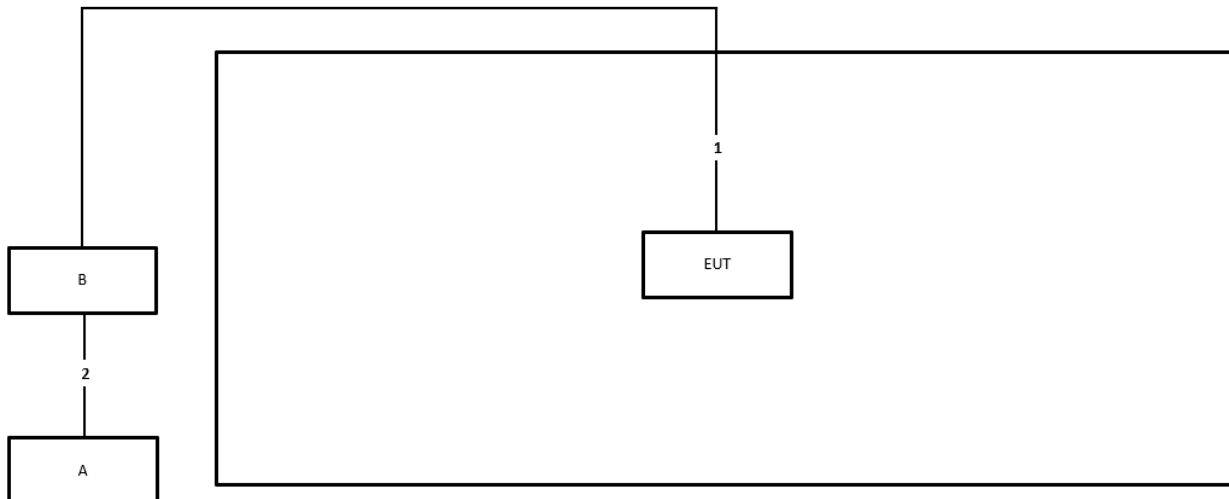
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE 1	Microsemi	PD-9001GR/AT/AC	N/A

For RF Conducted:

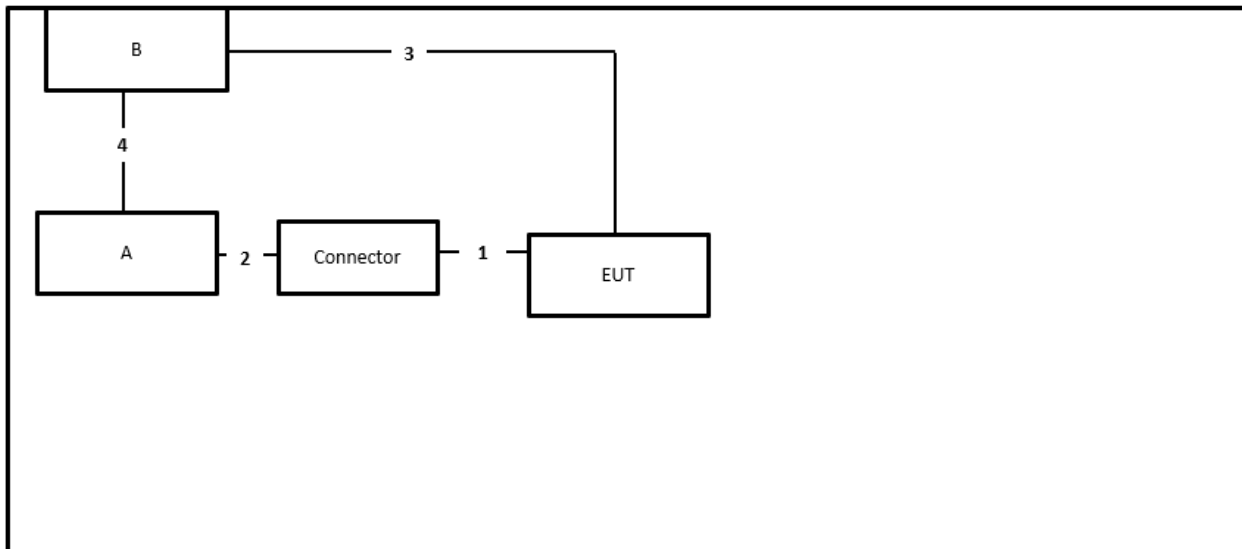
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE 5	PHIHONG	POE60U-1BT-X	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz


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

Test Setup Diagram - Radiated Test > 1GHz


Item	Connection	Shielded	Length
1	Console cable (RS-232 to RJ-45)	No	1m
2	Console cable (RS-232 to USB)	No	1m
3	RJ-45 cable	No	1m
4	RJ-45 cable	No	1m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 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.		

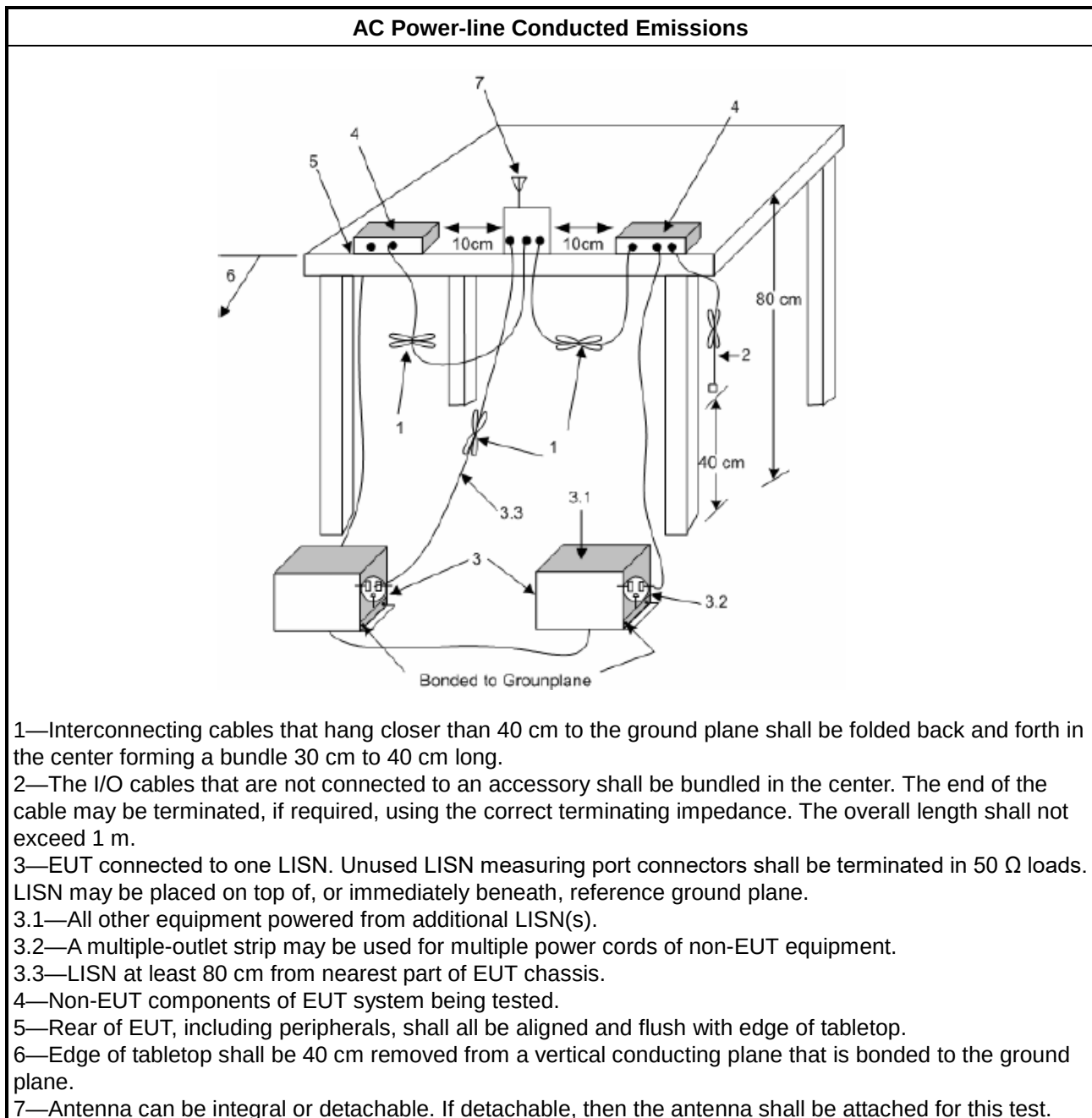
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band, N/A
☐	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, 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 $\geq 500\text{kHz}$.

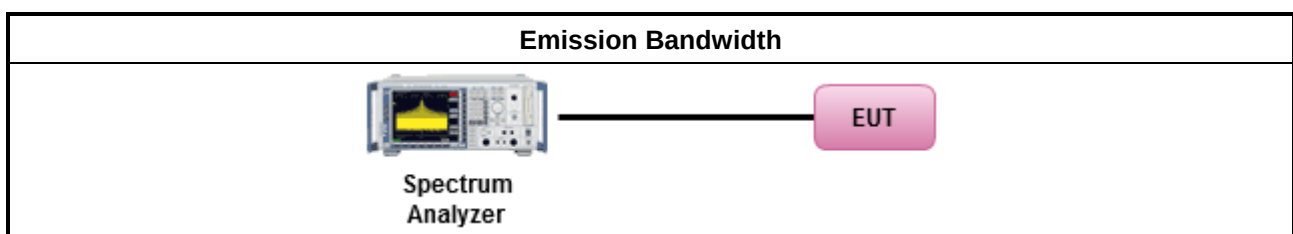
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☐ For the 5.15-5.25 GHz band:	
☐	▪ The maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.	
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: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.	
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

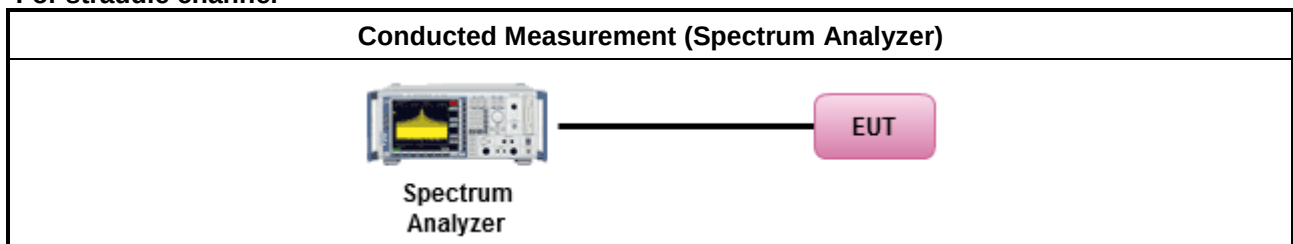
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

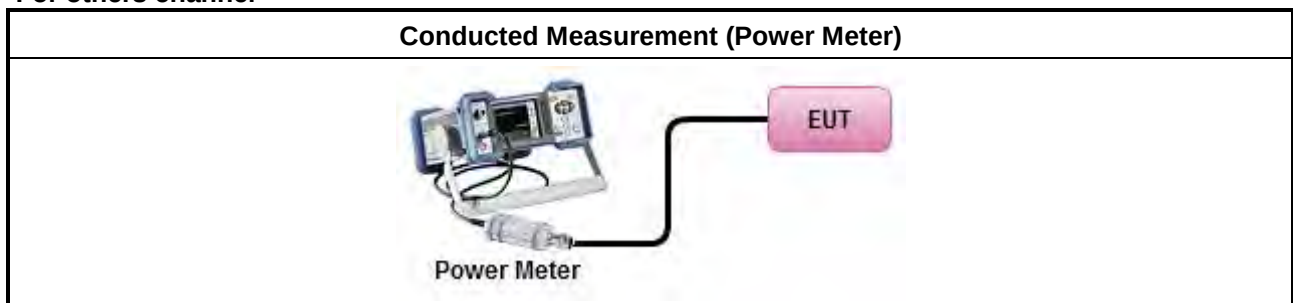
Test Method	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty 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.

3.3.4 Test Setup

For straddle channel



For others channel



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☐	For the 5.15-5.25 GHz band:
☐	The peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
☐	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: the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
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 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐	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: the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
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.	

3.4.2 Measuring Instruments

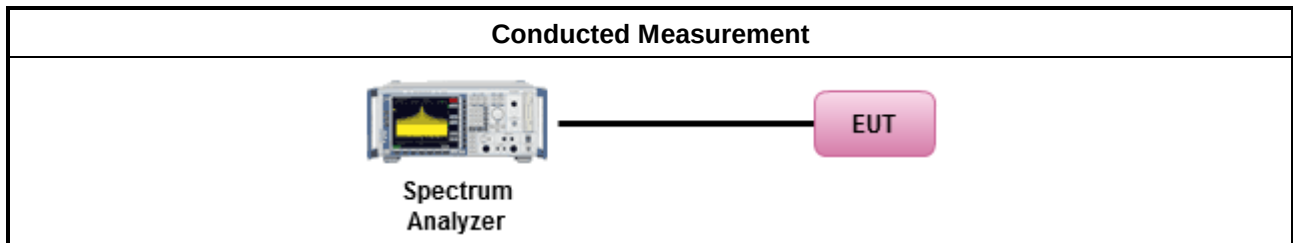
Refer a test equipment and calibration data table in this test report.

**3.4.3 Test Procedures**

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

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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



Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☐ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
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).	

3.5.2 Measuring Instruments

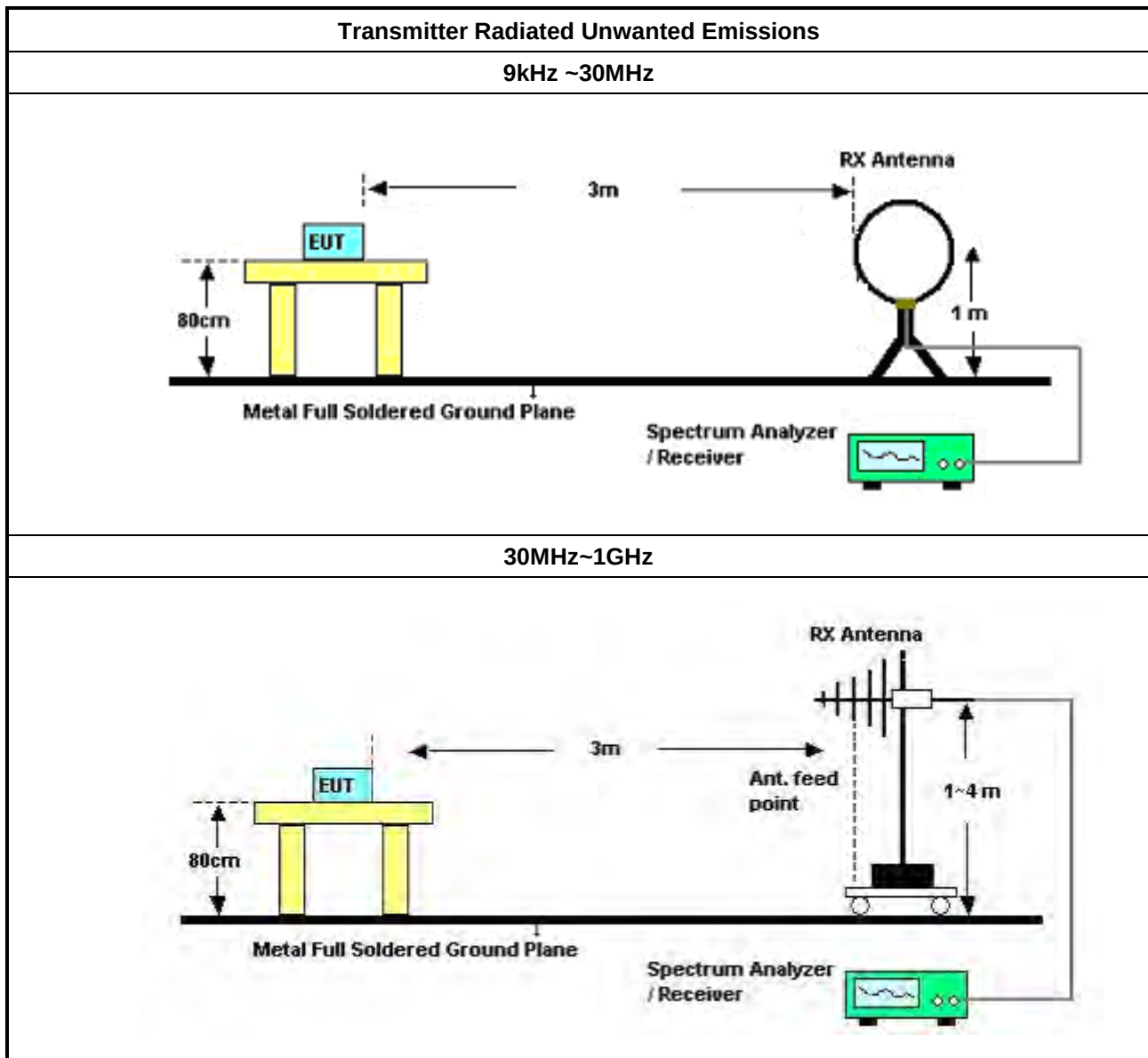
Refer a test equipment and calibration data table in this test report.



3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 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.	

3.5.4 Test Setup





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. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 2024	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 27, 2024	May 26, 2025	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Mar. 04, 2024	Mar. 03, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Aug. 01, 2023	Jul. 31, 2024	Radiation (03CH04-CB)
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N06 07	30MHz ~ 1GHz	Oct. 07, 2023	Oct. 06, 2024	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz – 1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Jul. 24, 2023	Jul. 23, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)

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

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



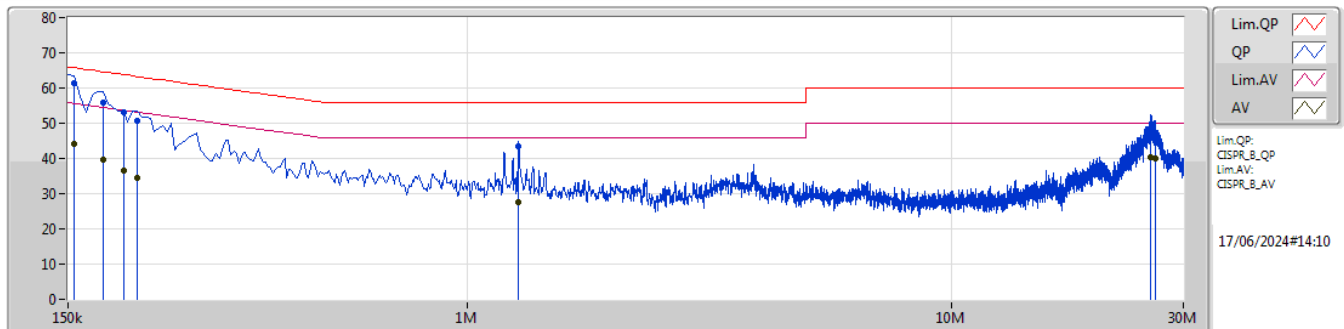
Conducted Emissions at Powerline

Appendix A

Summary

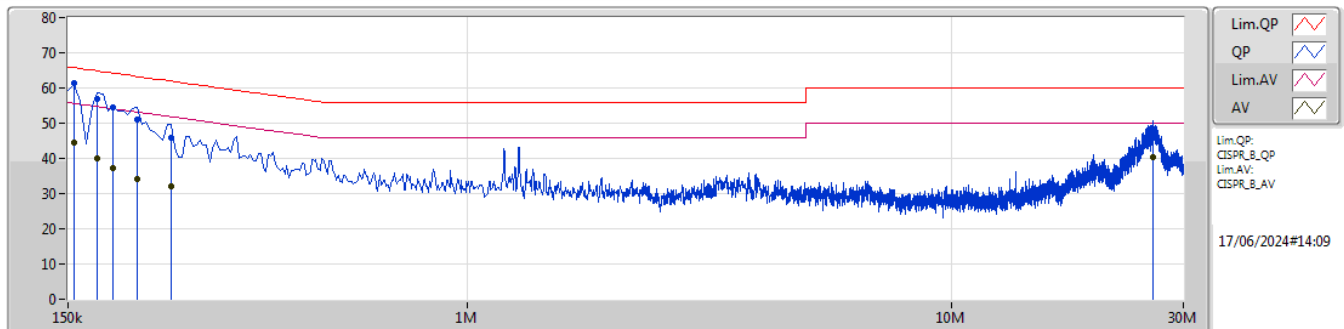
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 10	Pass	QP	154.5k	61.51	65.75	-4.24	Neutral

Mode 10



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	61.23	65.75	-4.52	10.09	Line	"Worst"	51.14	0.05	0.03	10.01						
AV	154.5k	44.26	55.75	-11.49	10.09	Line	-	34.17	0.05	0.03	10.01						
QP	177k	55.83	64.62	-8.79	10.08	Line	-	45.75	0.05	0.03	10.00						
AV	177k	39.51	54.62	-15.11	10.08	Line	-	29.43	0.05	0.03	10.00						
QP	195k	53.05	63.82	-10.77	10.07	Line	-	42.98	0.05	0.03	9.99						
AV	195k	36.58	53.82	-17.24	10.07	Line	-	26.51	0.05	0.03	9.99						
QP	208.5k	50.75	63.27	-12.52	10.07	Line	-	40.68	0.05	0.03	9.99						
AV	208.5k	34.34	53.27	-18.93	10.07	Line	-	24.27	0.05	0.03	9.99						
QP	1.275M	43.31	56.00	-12.69	10.11	Line	-	33.20	0.08	0.04	9.99						
AV	1.275M	27.49	46.00	-18.51	10.11	Line	-	17.38	0.08	0.04	9.99						
QP	25.674M	46.79	60.00	-13.21	10.61	Line	-	36.18	0.52	0.23	9.86						
AV	25.674M	40.44	50.00	-9.56	10.61	Line	-	29.83	0.52	0.23	9.86						
QP	26.309M	46.90	60.00	-13.10	10.63	Line	-	36.27	0.53	0.24	9.86						
AV	26.309M	40.16	50.00	-9.84	10.63	Line	-	29.53	0.53	0.24	9.86						

Mode 10



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	154.5k	61.51	65.75	-4.24	10.09	Neutral	"Worst"	51.42	0.05	0.03	10.01						
AV	154.5k	44.52	55.75	-11.23	10.09	Neutral	-	34.43	0.05	0.03	10.01						
QP	172.5k	57.06	64.83	-7.77	10.08	Neutral	-	46.98	0.05	0.03	10.00						
AV	172.5k	40.05	54.83	-14.78	10.08	Neutral	-	29.97	0.05	0.03	10.00						
QP	186k	54.64	64.20	-9.56	10.08	Neutral	-	44.56	0.05	0.03	10.00						
AV	186k	37.24	54.20	-16.96	10.08	Neutral	-	27.16	0.05	0.03	10.00						
QP	208.5k	50.87	63.27	-12.40	10.07	Neutral	-	40.80	0.05	0.03	9.99						
AV	208.5k	34.31	53.27	-18.96	10.07	Neutral	-	24.24	0.05	0.03	9.99						
QP	244.5k	46.01	61.95	-15.94	10.07	Neutral	-	35.94	0.05	0.03	9.99						
AV	244.5k	32.11	51.95	-19.84	10.07	Neutral	-	22.04	0.05	0.03	9.99						
QP	25.976M	46.80	60.00	-13.20	10.41	Neutral	-	36.39	0.31	0.24	9.86						
AV	25.976M	40.42	50.00	-9.58	10.41	Neutral	-	30.01	0.31	0.24	9.86						

Test Mode: Mode 1
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.155M	17.008M	17M0D1D	16.545M	13.548M
802.11a_Nss1,(6Mbps)_2TX	22.385M	16.873M	16M9D1D	16.065M	13.438M
802.11a_Nss1,(6Mbps)_4TX	22.66M	16.94M	16M9D1D	15.405M	13.309M
802.11be EHT20_Nss1,(MCS0)_1TX	24.255M	19.114M	19M1D1D	20.175M	14.5M
802.11be EHT20_Nss1,(MCS0)_2TX	23.54M	19.172M	19M2D1D	16.41M	14.656M
802.11be EHT20_Nss1,(MCS0)_4TX	22.66M	19.1M	19M1D1D	15.855M	14.465M
802.11be EHT40_Nss1,(MCS0)_1TX	43.56M	38.033M	38M0D1D	40.845M	34.107M
802.11be EHT40_Nss1,(MCS0)_2TX	42.9M	38.356M	38M4D1D	35.98M	33.894M
802.11be EHT40_Nss1,(MCS0)_4TX	43.45M	38.343M	38M3D1D	36.155M	33.771M
802.11be EHT80_Nss1,(MCS14)_1TX	123.675M	77.876M	77M9D1D	84.92M	74.153M
802.11be EHT80_Nss1,(MCS14)_2TX	89.625M	77.556M	77M6D1D	76.725M	73.663M
802.11be EHT80_Nss1,(MCS14)_4TX	85.36M	77.842M	77M8D1D	75.15M	73.192M
802.11be EHT160_Nss1,(MCS14)_1TX	165M	157.12M	157MD1D	165M	157.12M
802.11be EHT160_Nss1,(MCS14)_2TX	162.8M	157.499M	157MD1D	161.92M	156.263M
802.11be EHT160_Nss1,(MCS14)_4TX	165.44M	157.404M	157MD1D	161.92M	156.414M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.24M	4.954M	4M95D1D	3.24M	4.954M
802.11a_Nss1,(6Mbps)_2TX	3.16M	4.77M	4M77D1D	3.16M	4.65M
802.11a_Nss1,(6Mbps)_4TX	3.24M	4.82M	4M82D1D	3.18M	4.11M
802.11be EHT20_Nss1,(MCS0)_1TX	4.48M	5.729M	5M73D1D	4.48M	5.729M
802.11be EHT20_Nss1,(MCS0)_2TX	4.54M	6.69M	6M69D1D	4.26M	5.199M
802.11be EHT20_Nss1,(MCS0)_4TX	4.52M	4.786M	4M79D1D	4.48M	4.521M
802.11be EHT40_Nss1,(MCS0)_1TX	4.04M	22.725M	22M7D1D	4.04M	22.725M
802.11be EHT40_Nss1,(MCS0)_2TX	4.08M	19.682M	19M7D1D	4.08M	6.653M
802.11be EHT40_Nss1,(MCS0)_4TX	4.12M	5.817M	5M82D1D	4M	4.075M
802.11be EHT80_Nss1,(MCS14)_1TX	4.06M	36.862M	36M9D1D	4.06M	36.862M
802.11be EHT80_Nss1,(MCS14)_2TX	4.04M	30.446M	30M4D1D	4.02M	17.297M
802.11be EHT80_Nss1,(MCS14)_4TX	4.06M	15.361M	15M4D1D	4M	4.165M

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

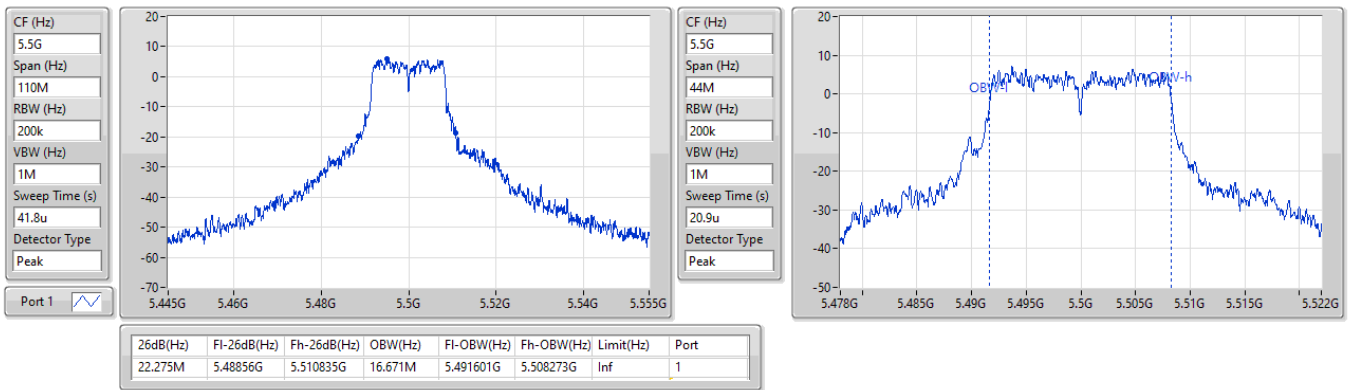
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.275M	16.671M	-	-	-	-	-	-
5580MHz	Pass	Inf	21.835M	16.74M	-	-	-	-	-	-
5700MHz	Pass	Inf	23.155M	17.008M	-	-	-	-	-	-
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.545M	13.548M	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	4.954M	-	-	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.385M	19.079M	-	-	-	-	-	-
5580MHz	Pass	Inf	24.255M	19.114M	-	-	-	-	-	-
5700MHz	Pass	Inf	21.89M	19.02M	-	-	-	-	-	-
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.175M	14.5M	-	-	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	5.729M	-	-	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	43.56M	37.806M	-	-	-	-	-	-
5550MHz	Pass	Inf	41.36M	38.033M	-	-	-	-	-	-
5670MHz	Pass	Inf	41.91M	37.854M	-	-	-	-	-	-
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	40.845M	34.107M	-	-	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	22.725M	-	-	-	-	-	-
802.11be EHT80_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	86.02M	77.374M	-	-	-	-	-	-
5610MHz	Pass	Inf	84.92M	77.876M	-	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	123.675M	74.153M	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	36.862M	-	-	-	-	-	-
802.11be EHT160_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	165M	157.12M	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.165M	16.712M	22.11M	16.873M	-	-	-	-
5580MHz	Pass	Inf	22M	16.701M	21.505M	16.557M	-	-	-	-
5700MHz	Pass	Inf	22.385M	16.672M	22.11M	16.756M	-	-	-	-
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.065M	13.438M	16.065M	13.446M	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	4.65M	3.16M	4.77M	-	-	-	-
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.55M	19.172M	20.845M	19.021M	-	-	-	-
5580MHz	Pass	Inf	23.54M	19.078M	21.78M	18.992M	-	-	-	-
5700MHz	Pass	Inf	21.67M	18.96M	22.385M	19.023M	-	-	-	-
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.425M	14.656M	16.41M	14.679M	-	-	-	-
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	5.199M	4.26M	6.69M	-	-	-	-
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	42.9M	37.946M	41.8M	37.956M	-	-	-	-
5550MHz	Pass	Inf	41.58M	38.356M	41.03M	37.933M	-	-	-	-
5670MHz	Pass	Inf	42.13M	37.934M	41.91M	37.983M	-	-	-	-
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.98M	33.998M	38.43M	33.894M	-	-	-	-
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	6.653M	4.08M	19.682M	-	-	-	-
802.11be EHT80_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	83.38M	77.556M	80.52M	77.355M	-	-	-	-
5610MHz	Pass	Inf	83.6M	77.369M	83.16M	77.522M	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	73.663M	89.625M	73.961M	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	17.297M	4.04M	30.446M	-	-	-	-
802.11be EHT160_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	161.92M	156.263M	162.8M	157.499M	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	22.22M	16.715M	21.505M	16.587M	22.275M	16.669M	21.175M	16.689M
5580MHz	Pass	Inf	22.66M	16.94M	21.01M	16.593M	21.175M	16.742M	21.67M	16.886M
5700MHz	Pass	Inf	22M	16.781M	21.56M	16.836M	21.67M	16.715M	21.725M	16.478M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.335M	13.523M	16.365M	13.313M	15.405M	13.802M	16.11M	13.309M

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)
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.18M	4.82M	3.22M	4.299M	3.24M	4.24M	3.2M	4.11M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5500MHz	Pass	Inf	21.505M	19.023M	21.065M	19.016M	22.385M	19.1M	21.945M	18.976M
5580MHz	Pass	Inf	22.66M	18.997M	21.175M	18.996M	21.615M	19.029M	21.01M	19.012M
5700MHz	Pass	Inf	21.89M	19.076M	21.615M	19.02M	22.385M	18.957M	21.89M	19.005M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.325M	14.525M	16.035M	14.634M	16.17M	14.465M	15.855M	14.471M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.52M	4.786M	4.5M	4.536M	4.48M	4.521M	4.5M	4.545M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5510MHz	Pass	Inf	42.46M	37.978M	43.45M	37.9M	41.14M	37.996M	42.79M	37.905M
5550MHz	Pass	Inf	42.24M	38.343M	42.9M	38.001M	40.26M	37.995M	40.59M	37.849M
5670MHz	Pass	Inf	41.25M	37.945M	42.68M	38.161M	43.12M	37.947M	41.25M	37.939M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.155M	33.949M	36.575M	33.981M	36.33M	33.977M	37.345M	33.771M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.12M	5.817M	4M	4.075M	4.04M	4.541M	4.04M	4.348M
802.11be EHT80_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-	-	-
5530MHz	Pass	Inf	82.28M	77.362M	81.18M	77.675M	83.16M	77.602M	82.5M	77.645M
5610MHz	Pass	Inf	85.36M	77.842M	84.04M	77.638M	80.3M	77.592M	84.04M	77.502M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.15M	73.573M	75.15M	73.309M	75.975M	73.192M	76.875M	73.399M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	15.361M	4.04M	5.051M	4.02M	4.544M	4.06M	4.165M
802.11be EHT160_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-	-	-
5570MHz	Pass	Inf	165.44M	156.414M	161.92M	157.404M	163.24M	156.702M	162.8M	157.135M

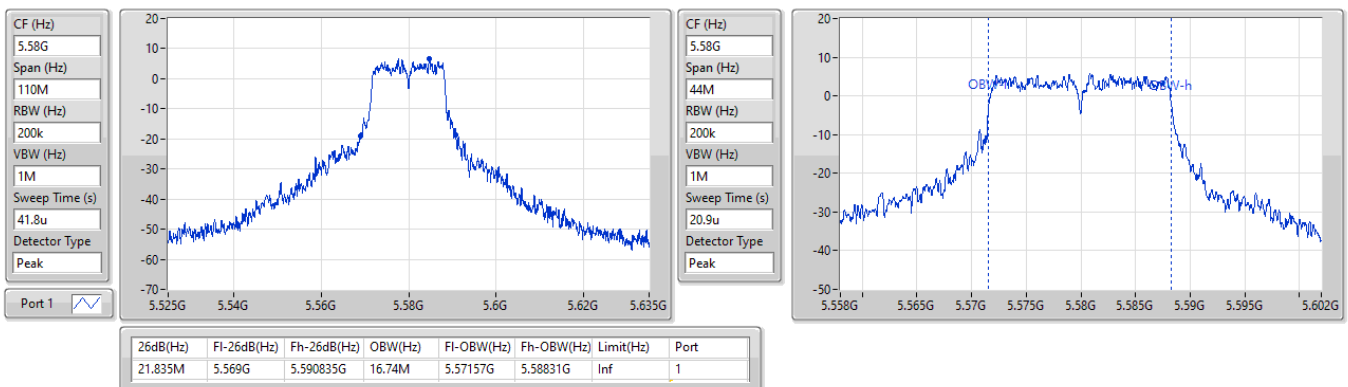
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

20/04/2024


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

20/04/2024

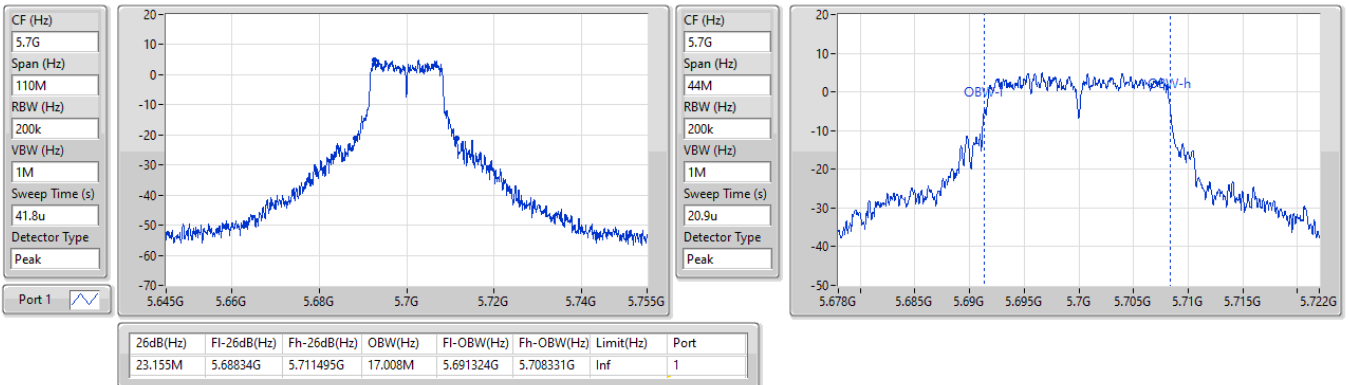


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

20/04/2024

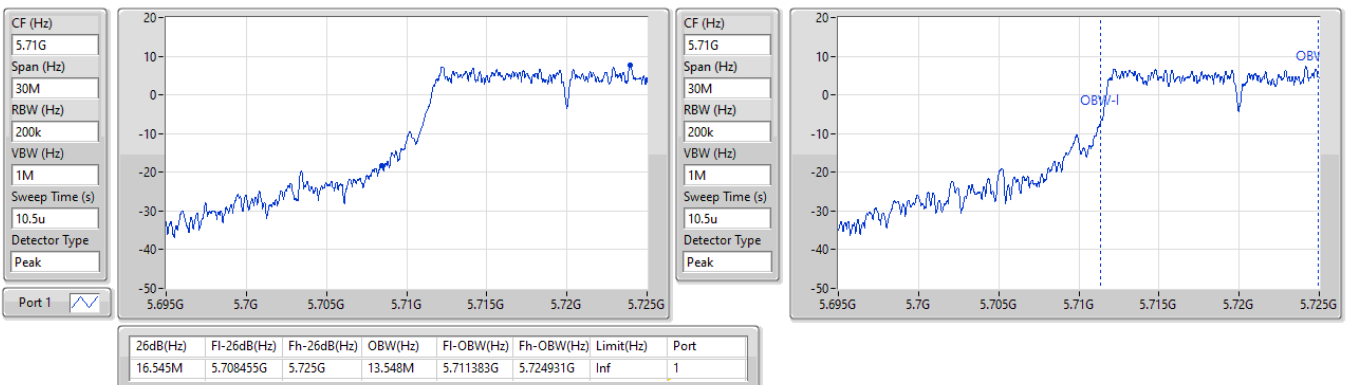


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

20/04/2024

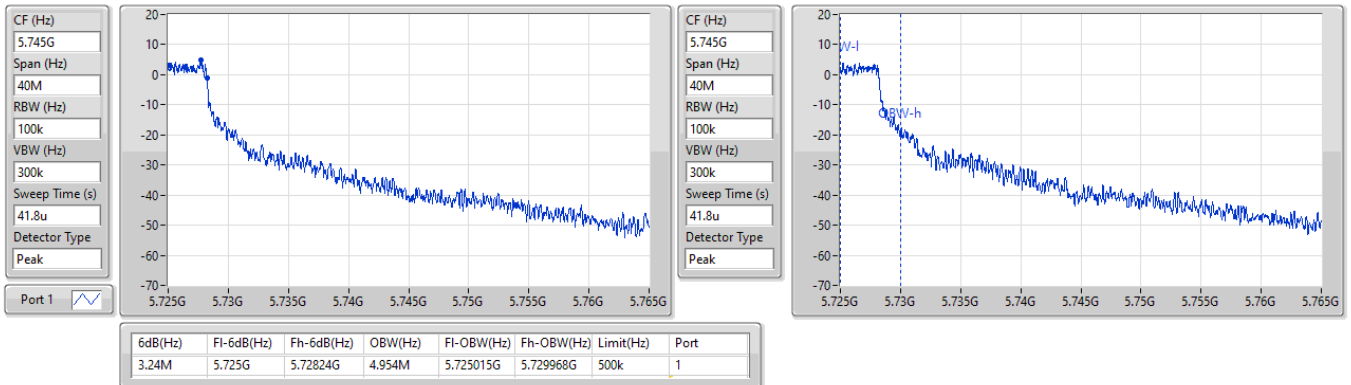


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/04/2024

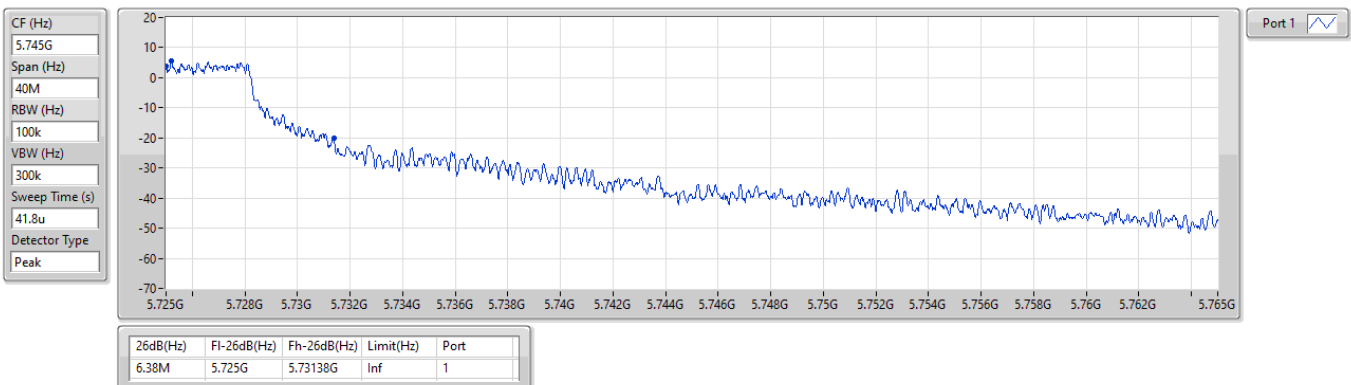


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

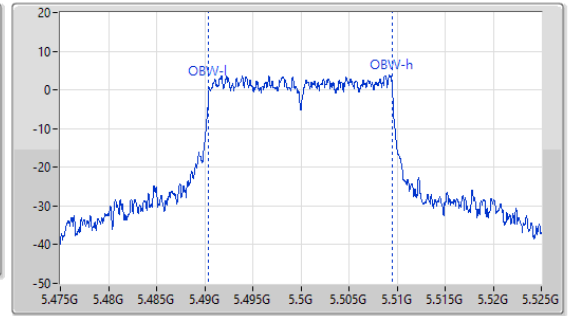
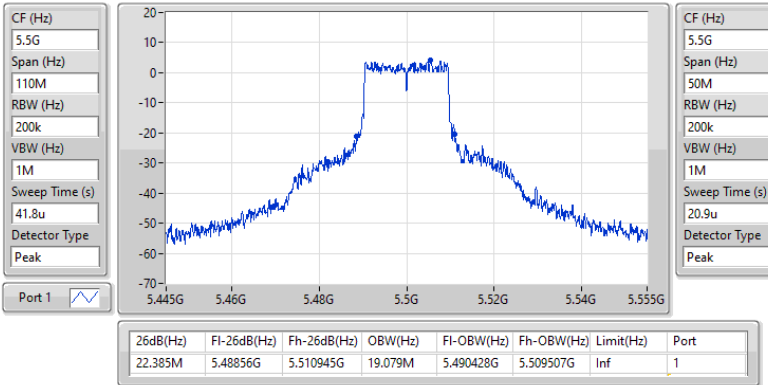
5720MHz Straddle 5.725-5.85GHz

20/04/2024

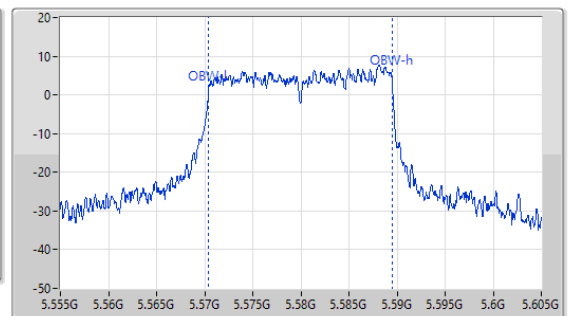
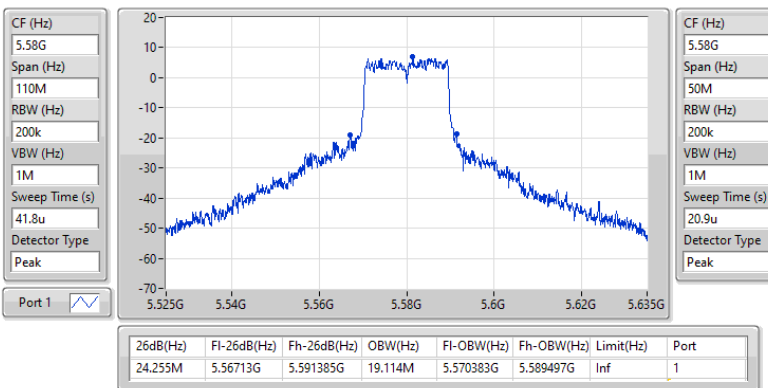


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5500MHz

20/04/2024

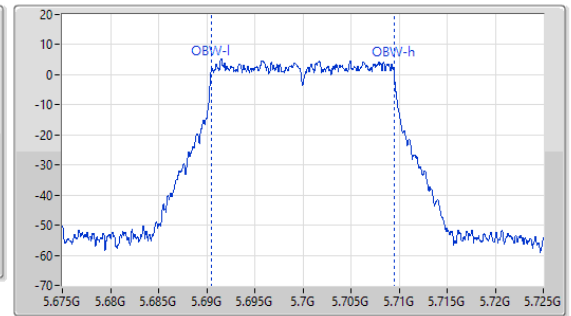
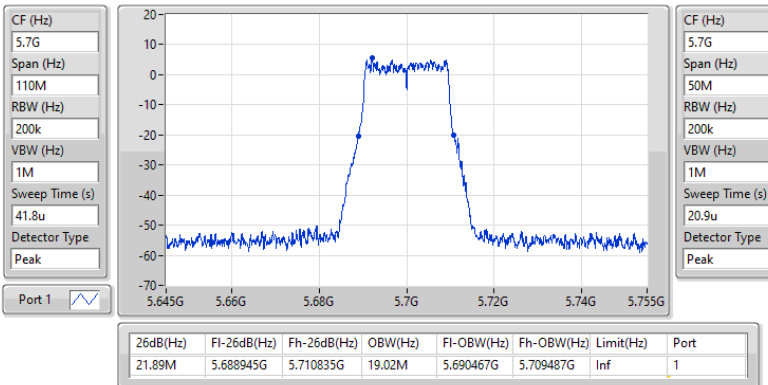

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5580MHz

20/04/2024

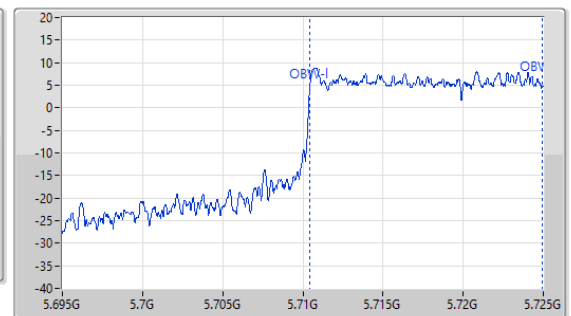
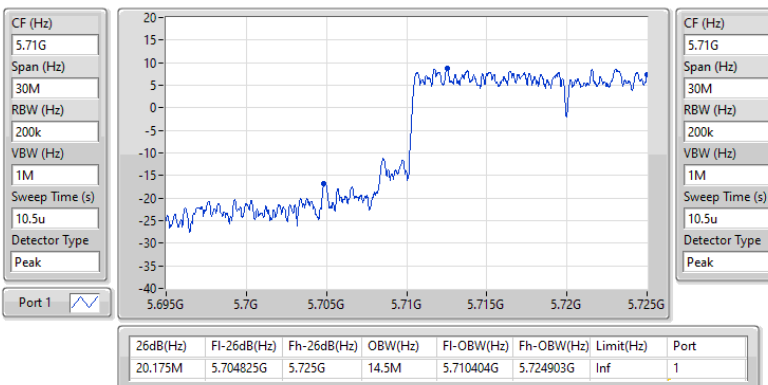


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5700MHz

06/06/2024


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

20/04/2024

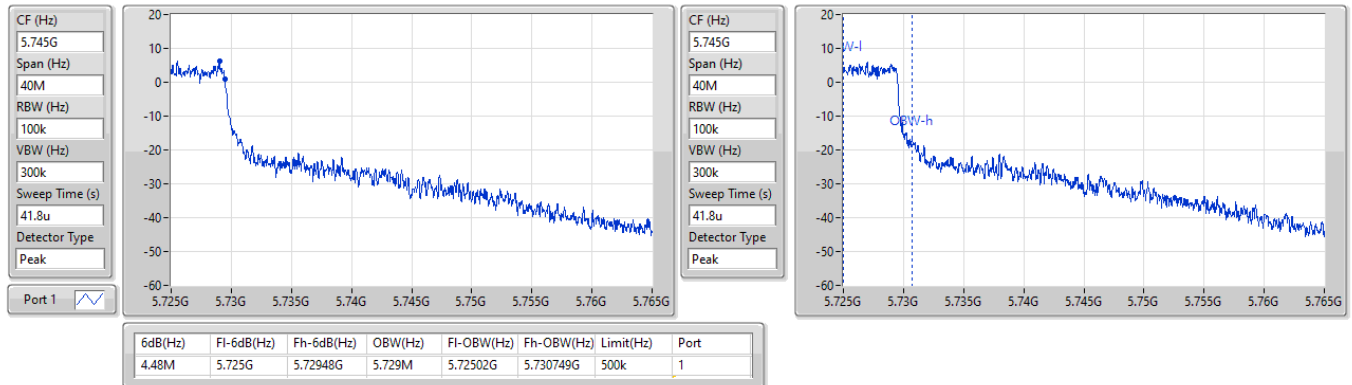


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/04/2024

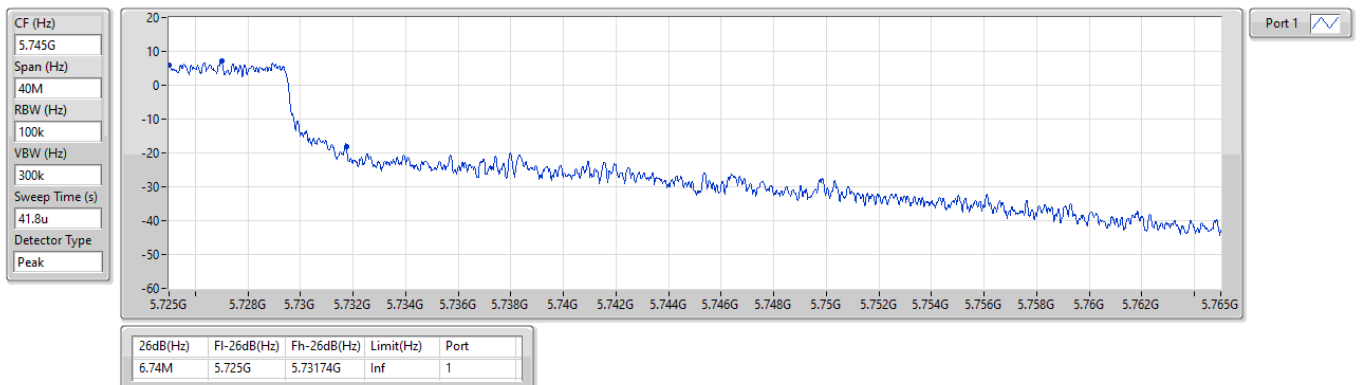


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

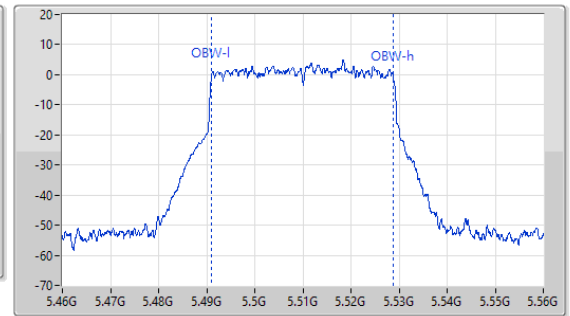
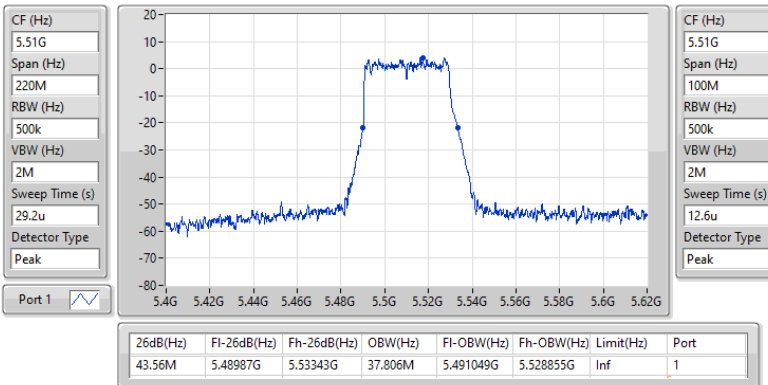
5720MHz Straddle 5.725-5.85GHz

20/04/2024

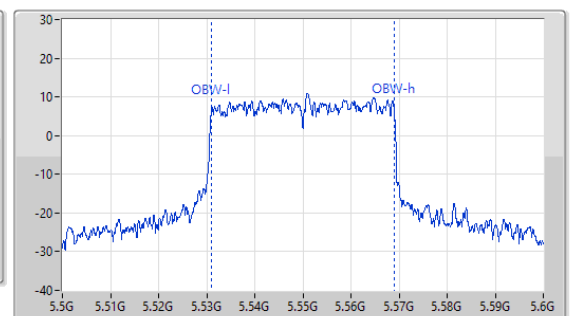
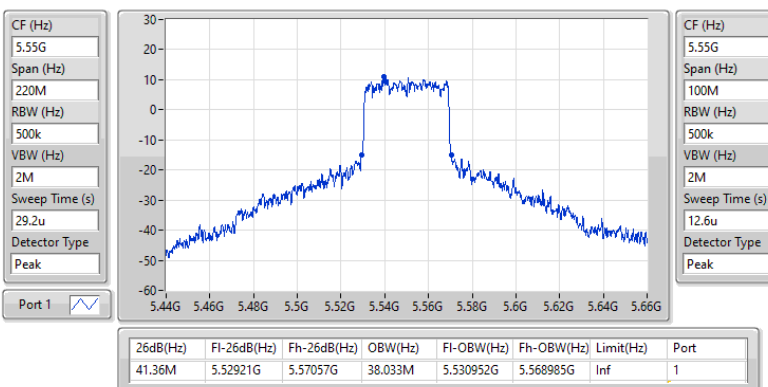


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5510MHz

06/06/2024

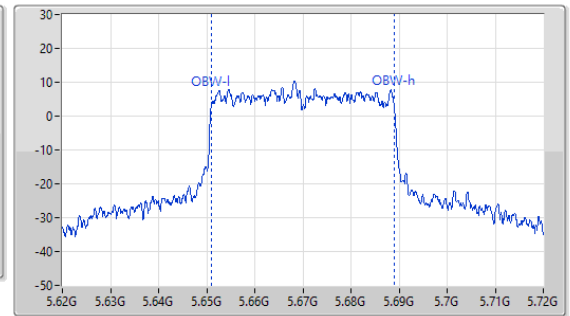
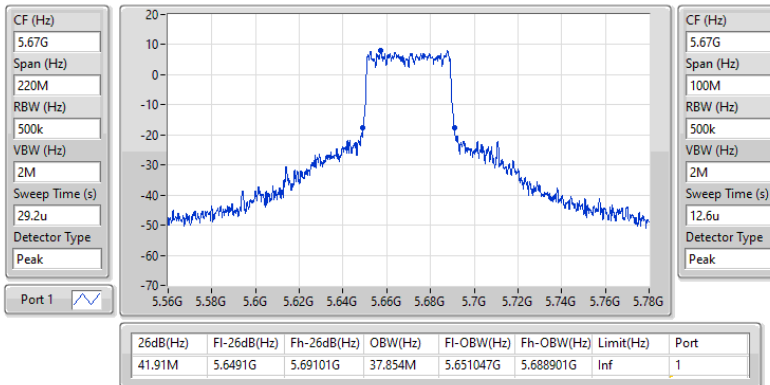

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5550MHz

20/04/2024

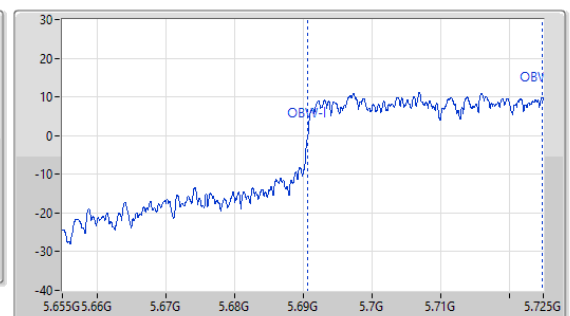
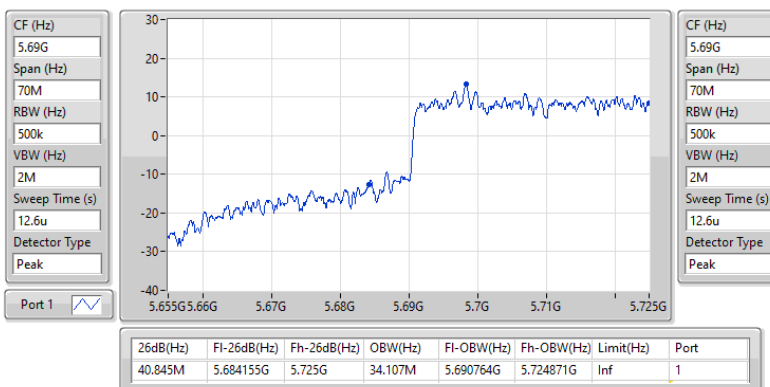


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5670MHz

20/04/2024

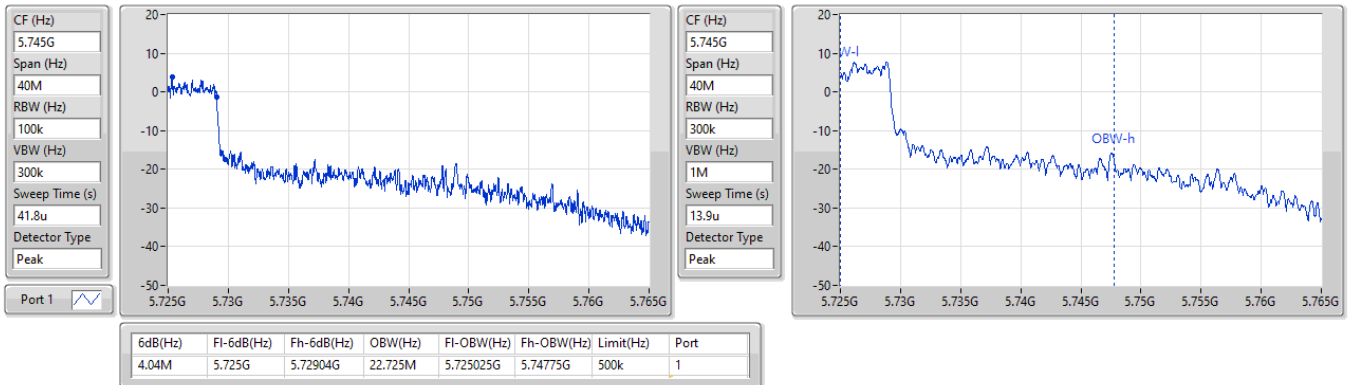

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.47-5.725GHz

20/04/2024

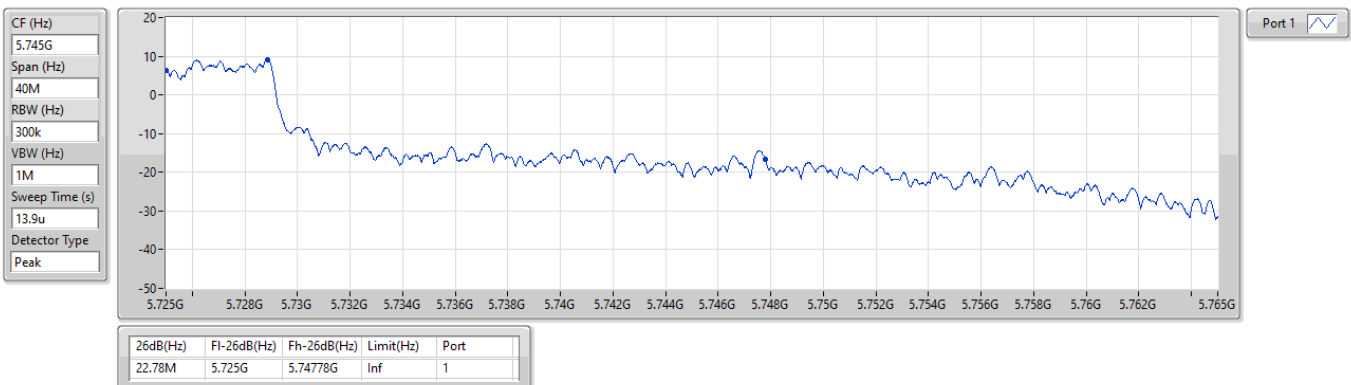


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.725-5.85GHz

20/04/2024

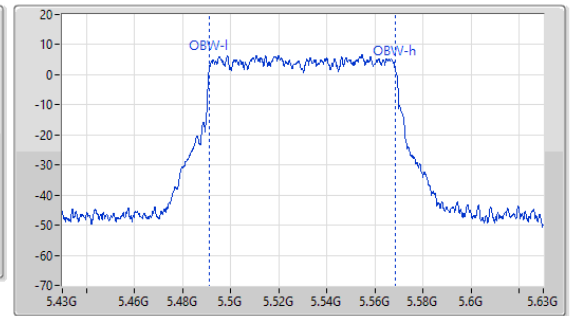
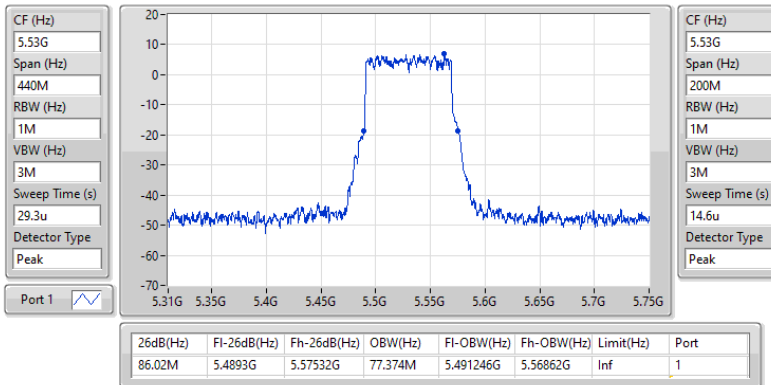

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.725-5.85GHz

20/04/2024

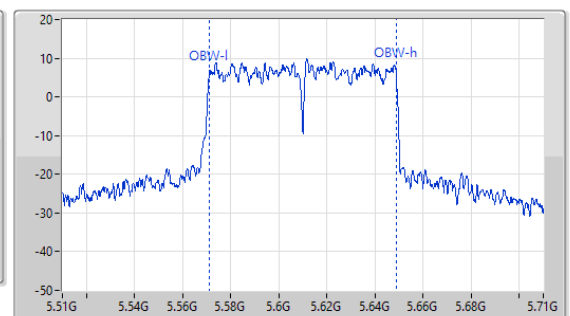
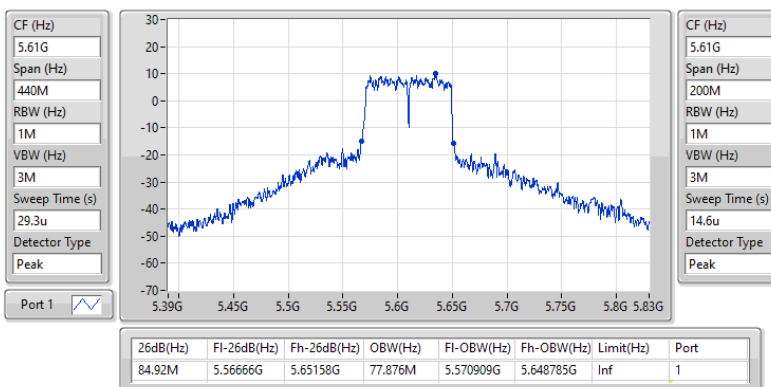


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX
EBW
5530MHz

28/06/2024

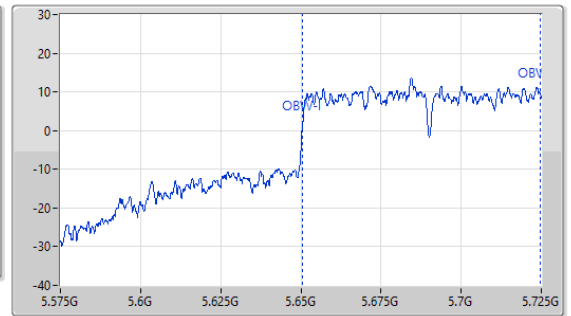
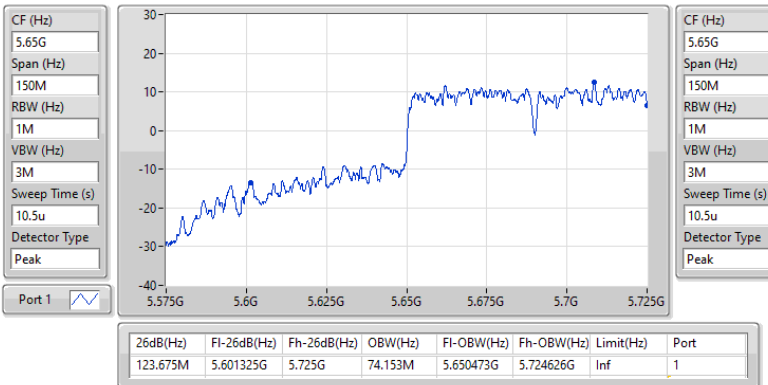

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX
EBW
5610MHz

20/04/2024

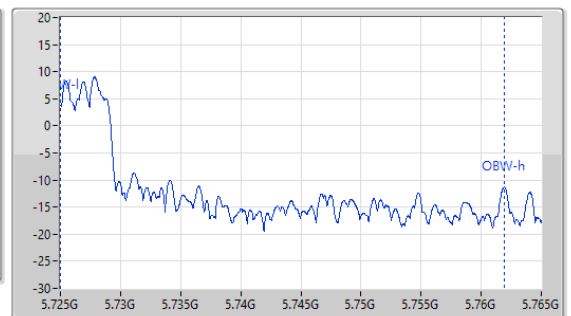
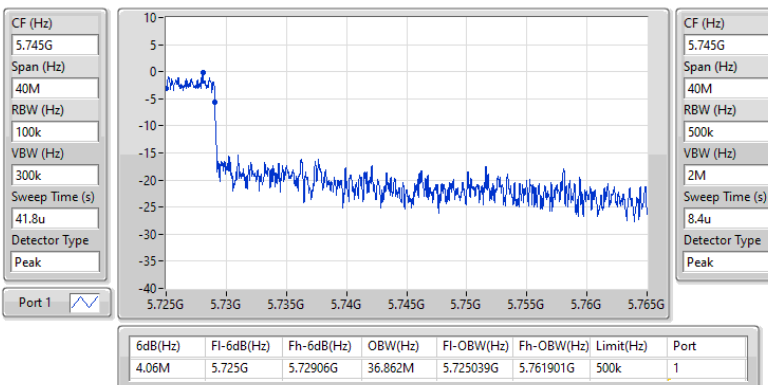


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX
EBW
5690MHz Straddle 5.47-5.725GHz

20/04/2024

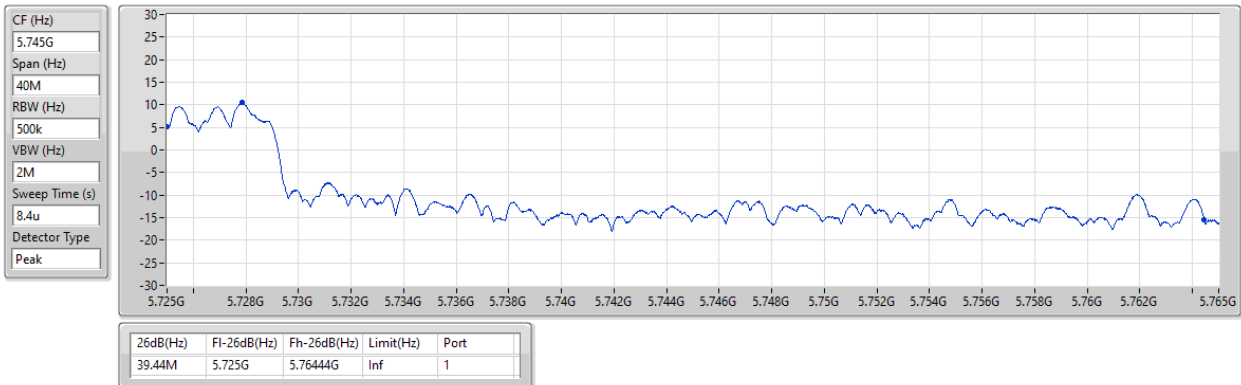

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

20/04/2024

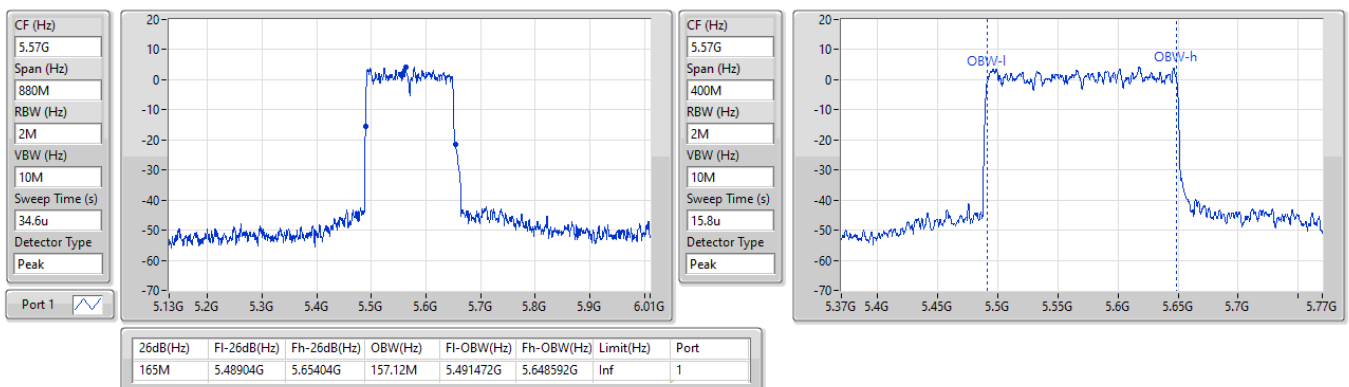


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

20/04/2024

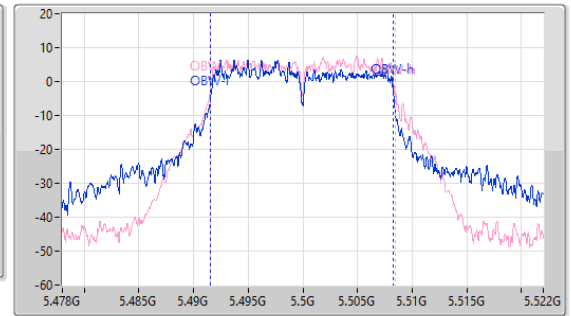
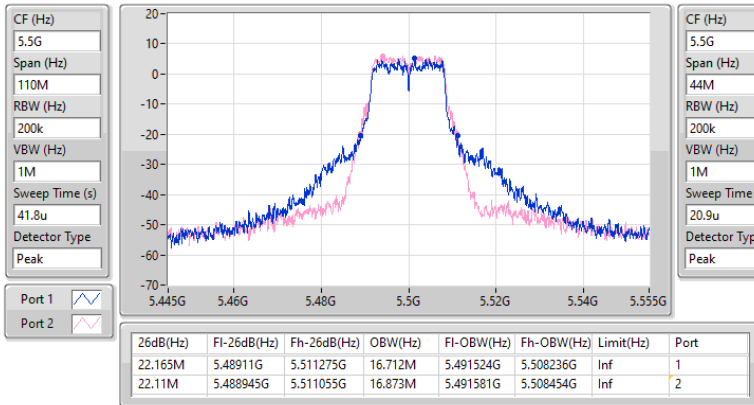

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_1TX
EBW
5570MHz

06/06/2024

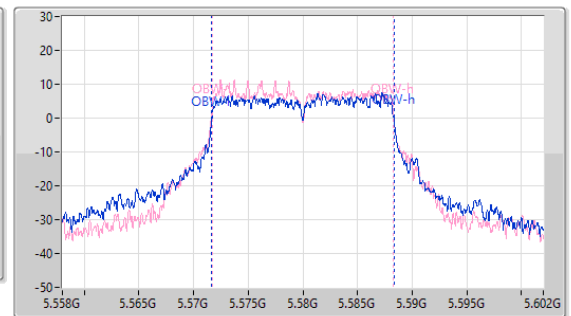
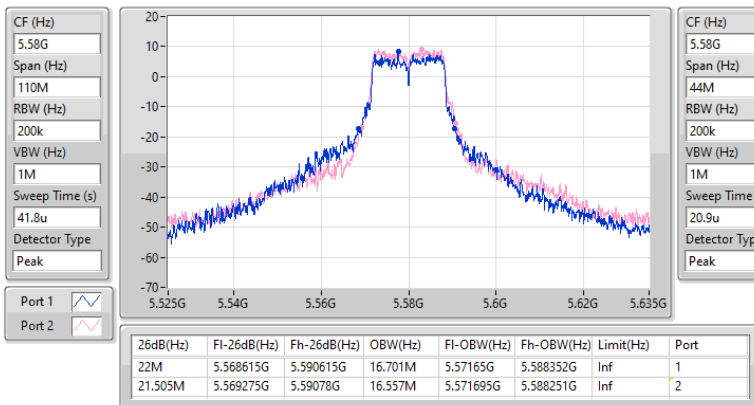


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5500MHz

20/04/2024

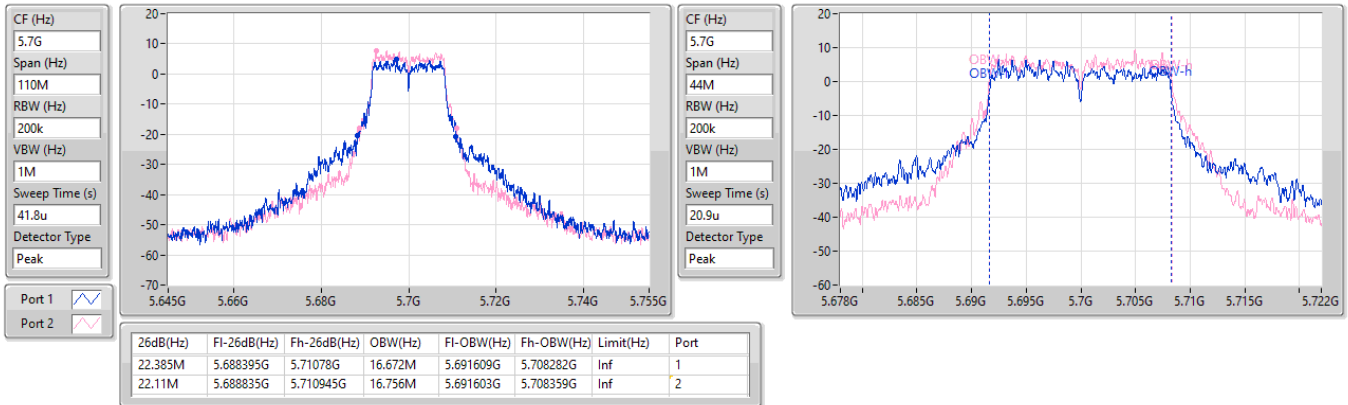

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5580MHz

20/04/2024

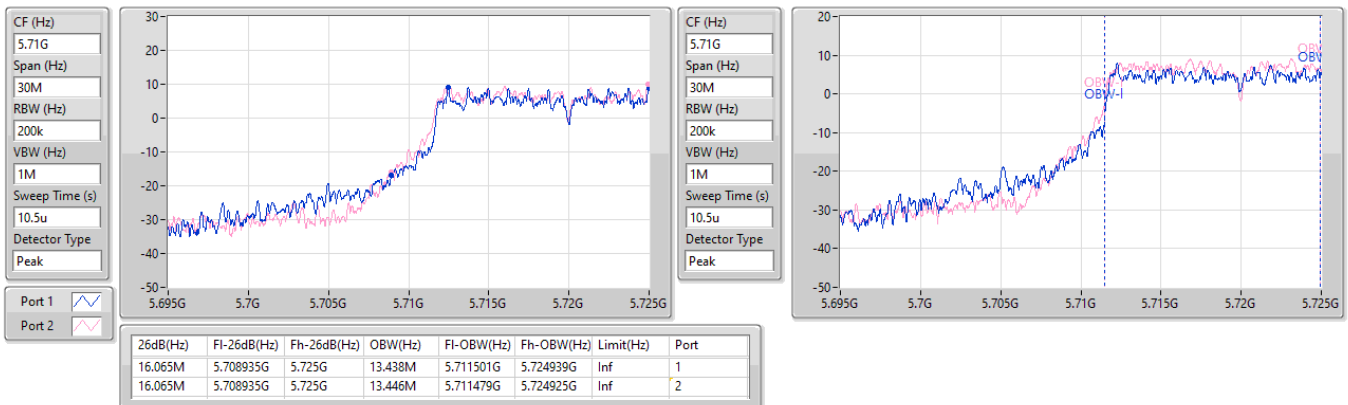


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5700MHz

20/04/2024

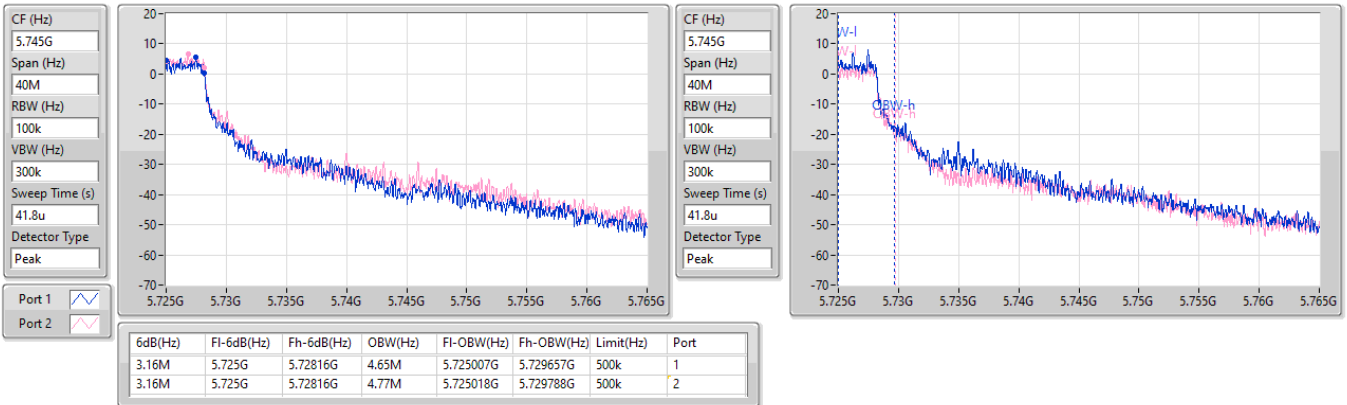

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

20/04/2024

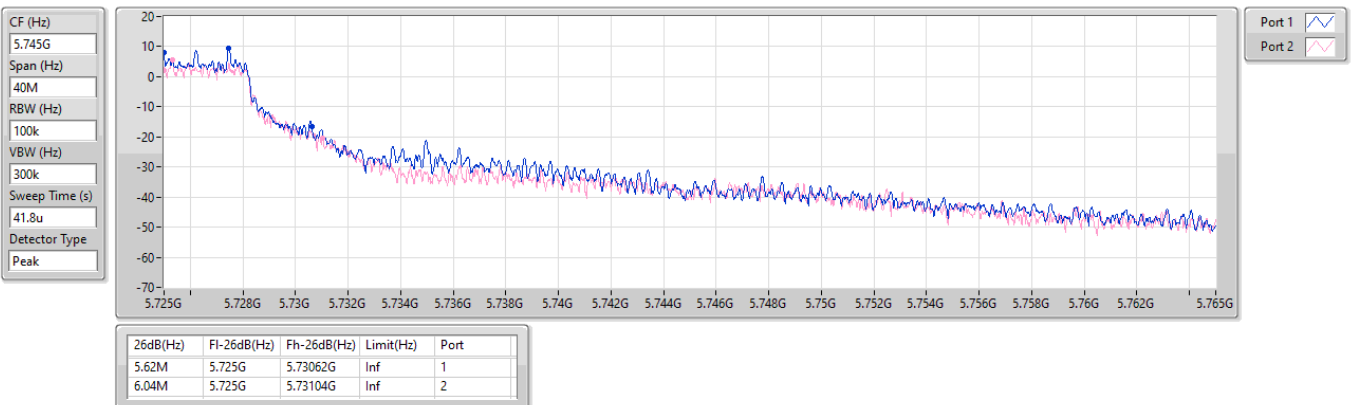


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/04/2024

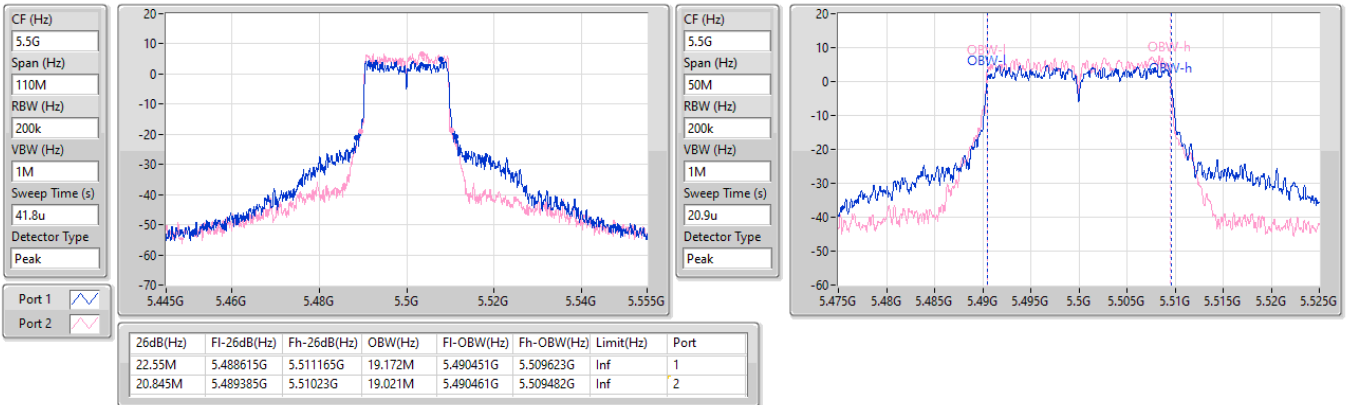

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/04/2024

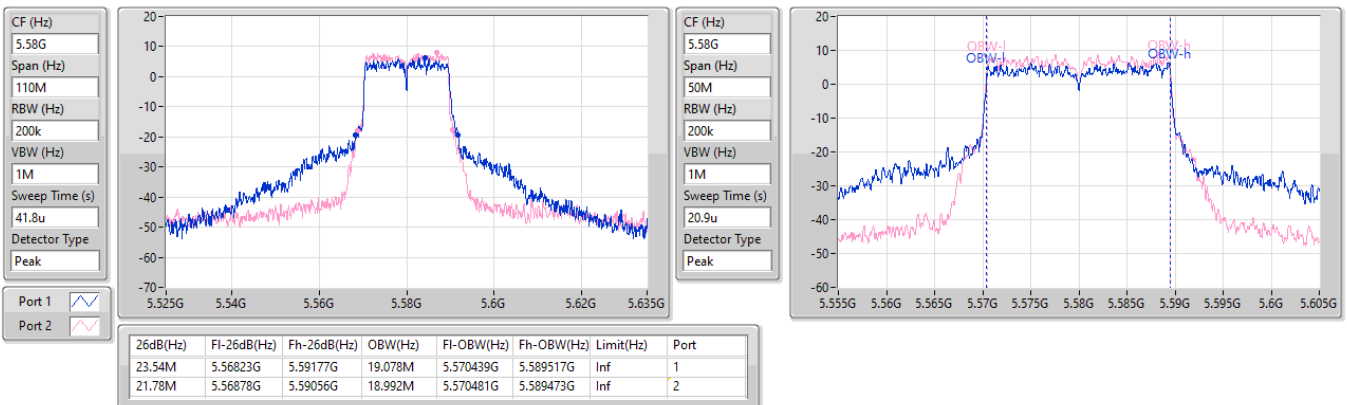


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5500MHz

20/04/2024

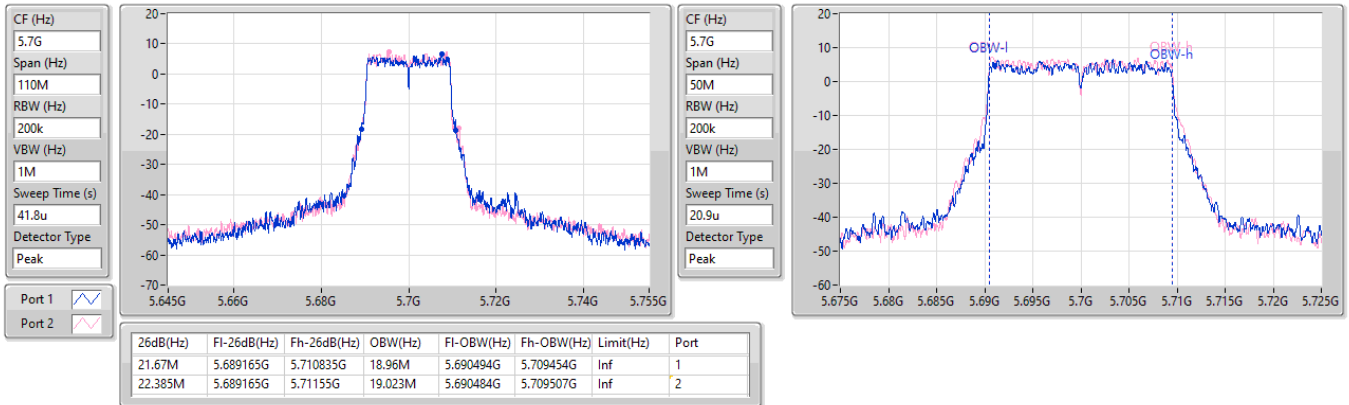

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5580MHz

20/04/2024

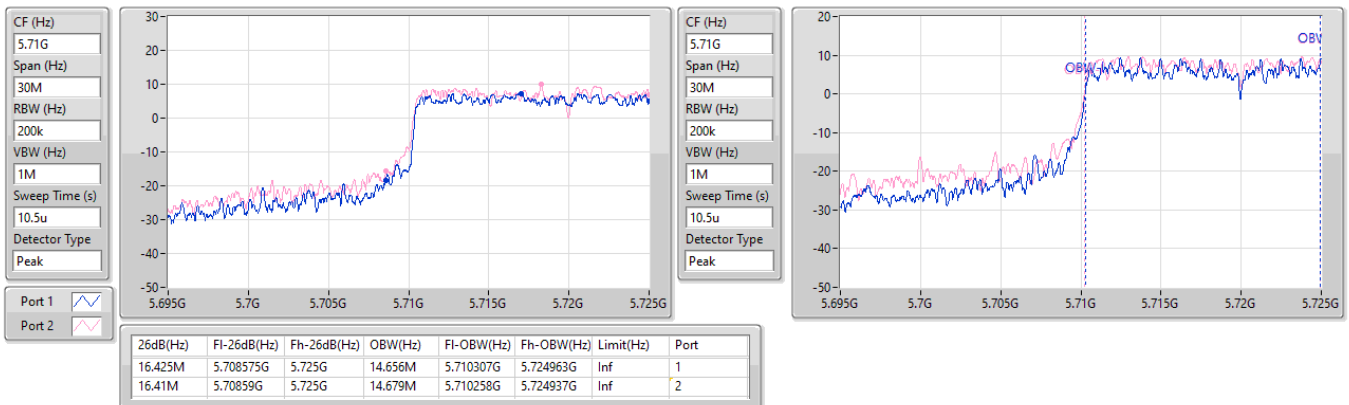


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5700MHz

06/06/2024

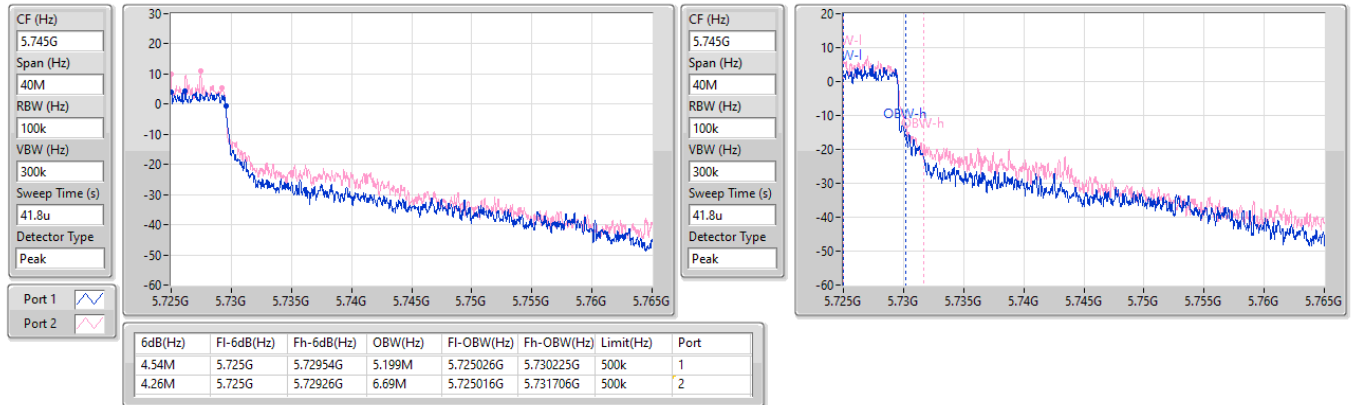

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.47-5.725GHz

20/04/2024

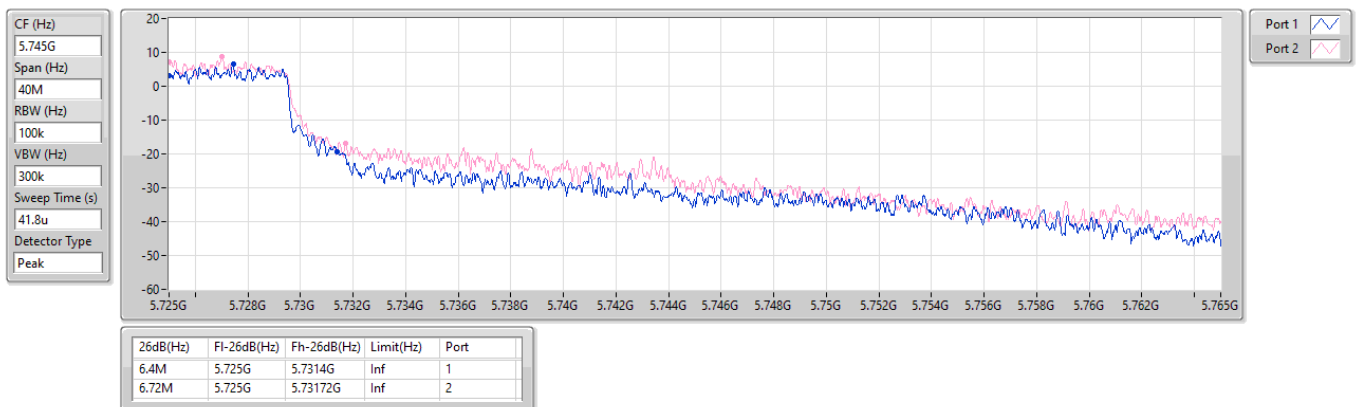


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/04/2024

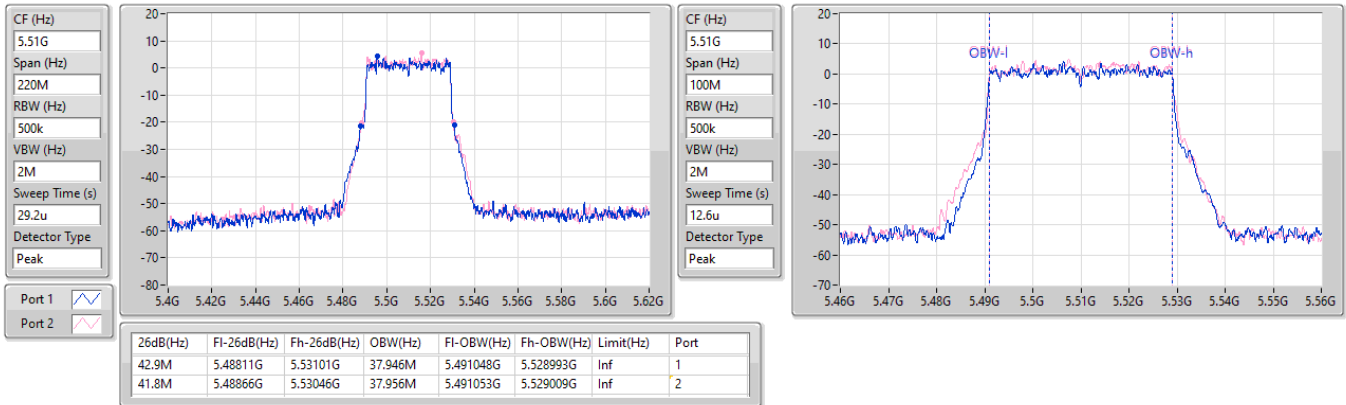

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/04/2024

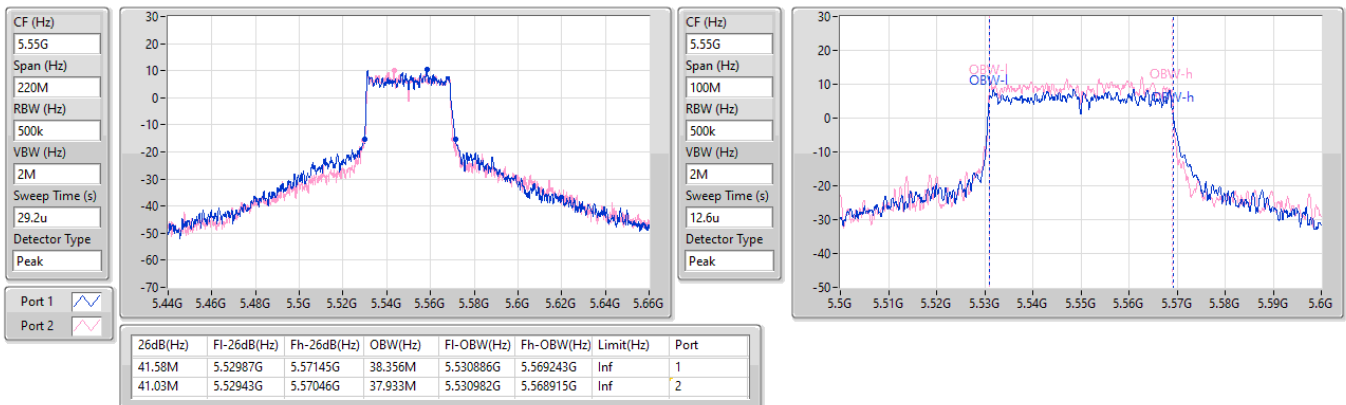


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5510MHz

06/06/2024

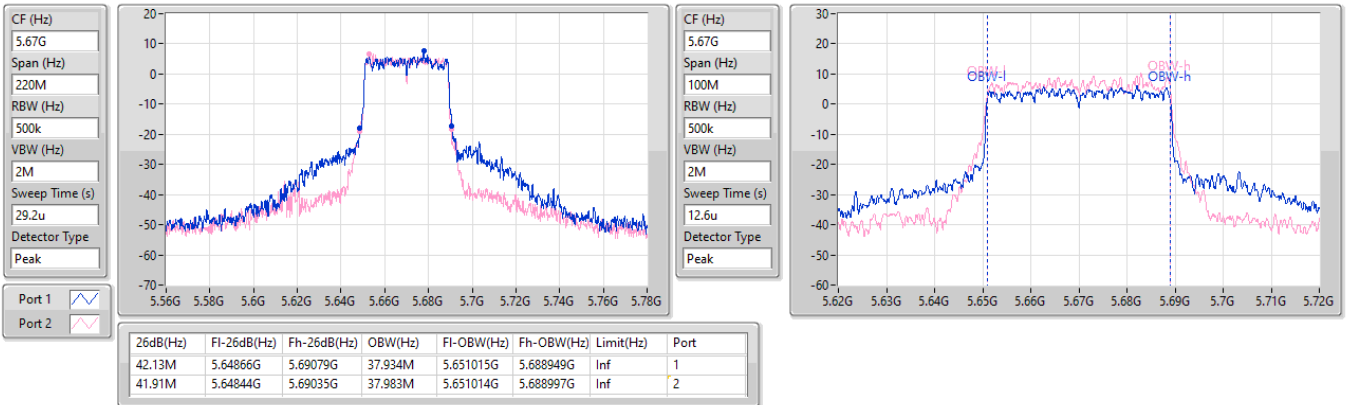

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5550MHz

20/04/2024

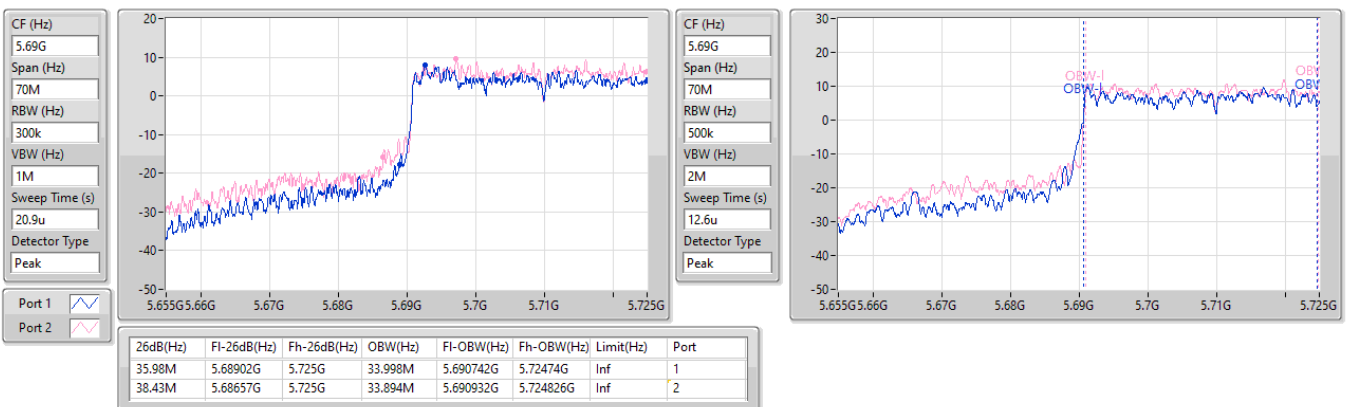


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5670MHz

20/04/2024

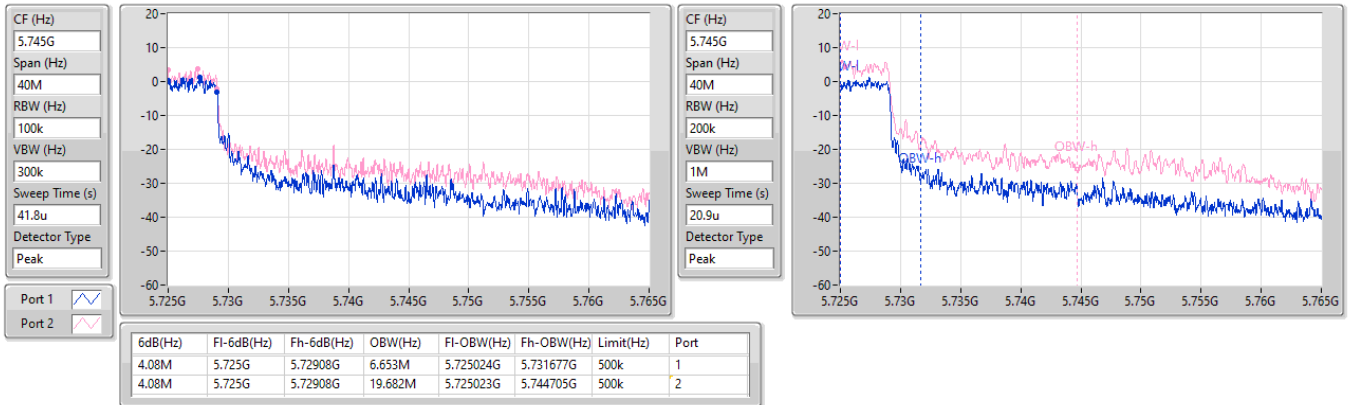

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.47-5.725GHz

20/04/2024

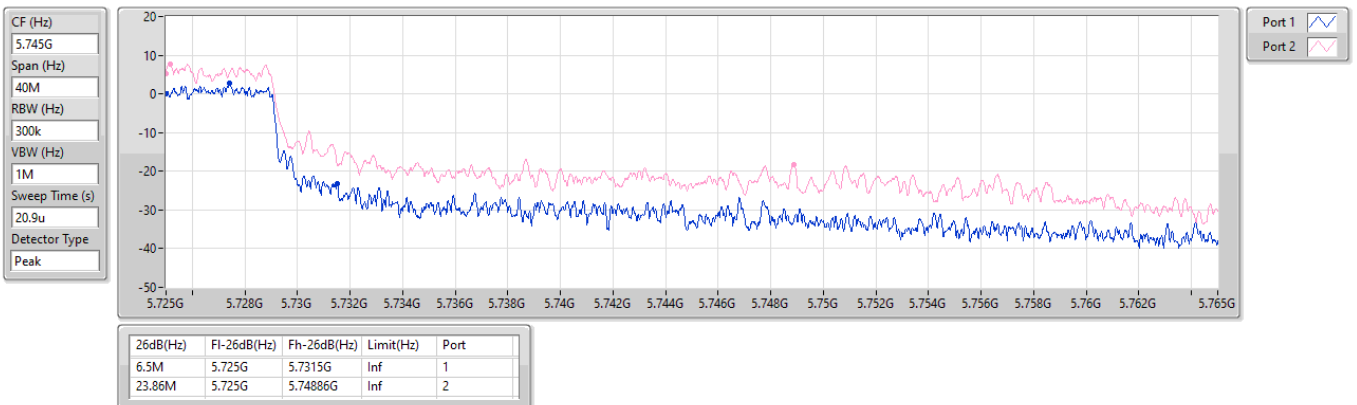


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

20/04/2024

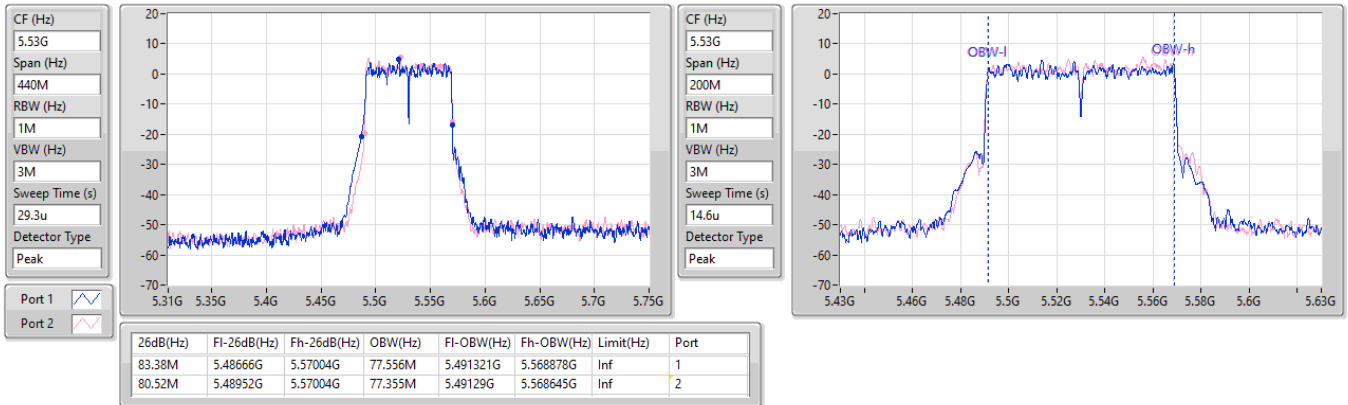

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

20/04/2024

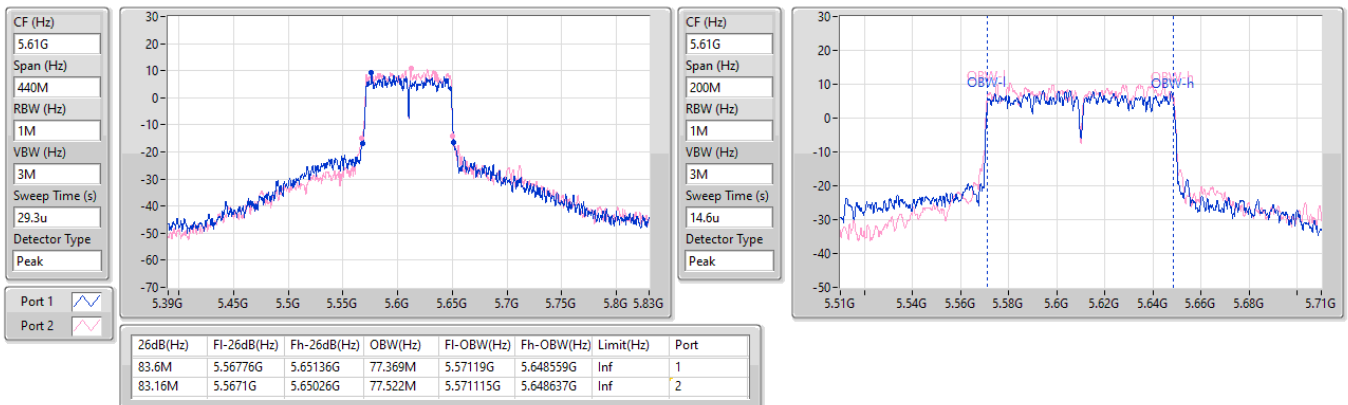


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX
EBW
5530MHz

06/06/2024

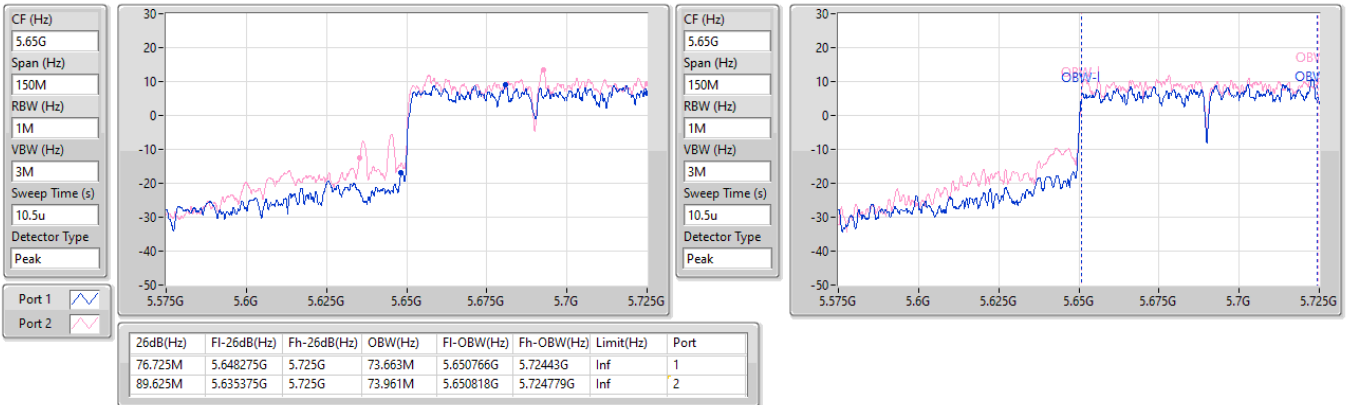

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX
EBW
5610MHz

20/04/2024

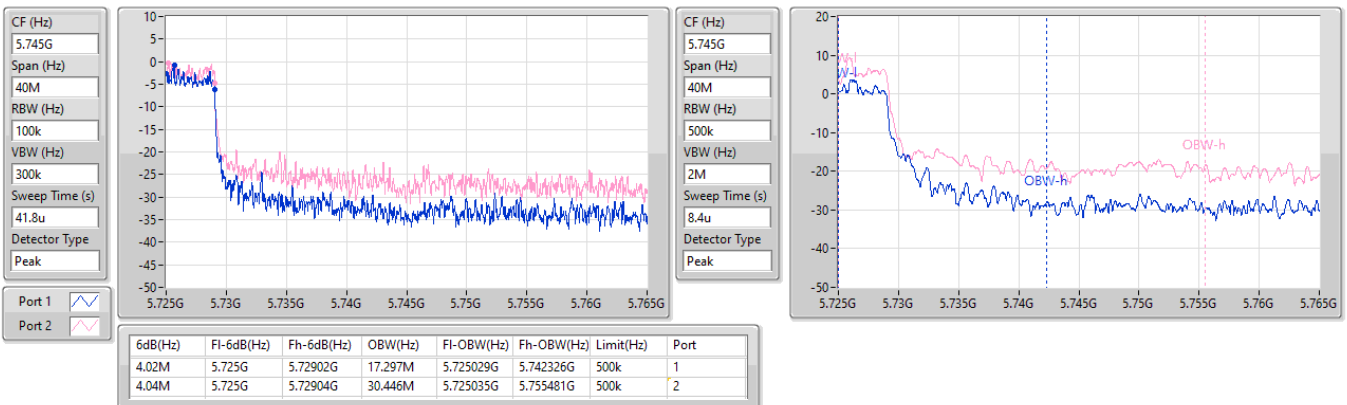


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

20/04/2024

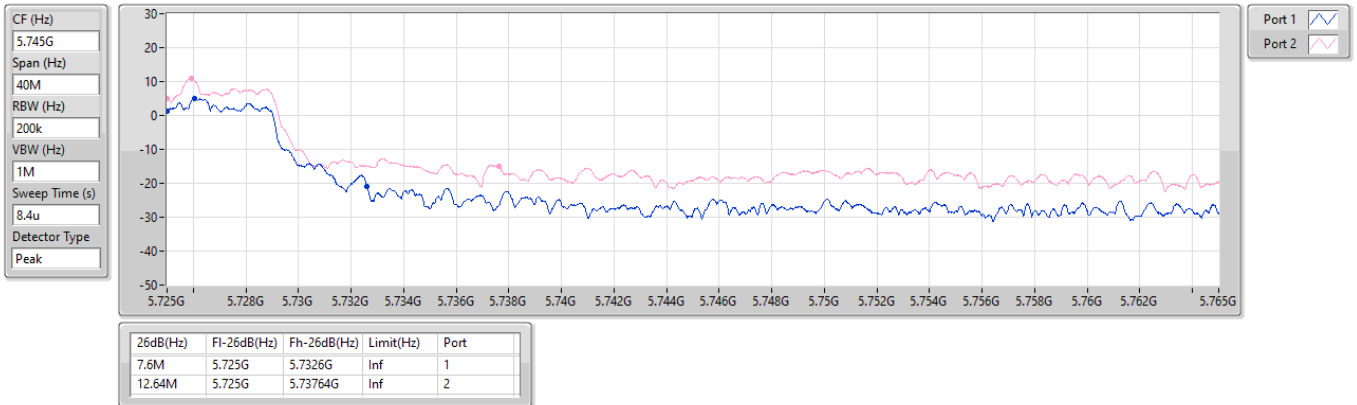

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

20/04/2024

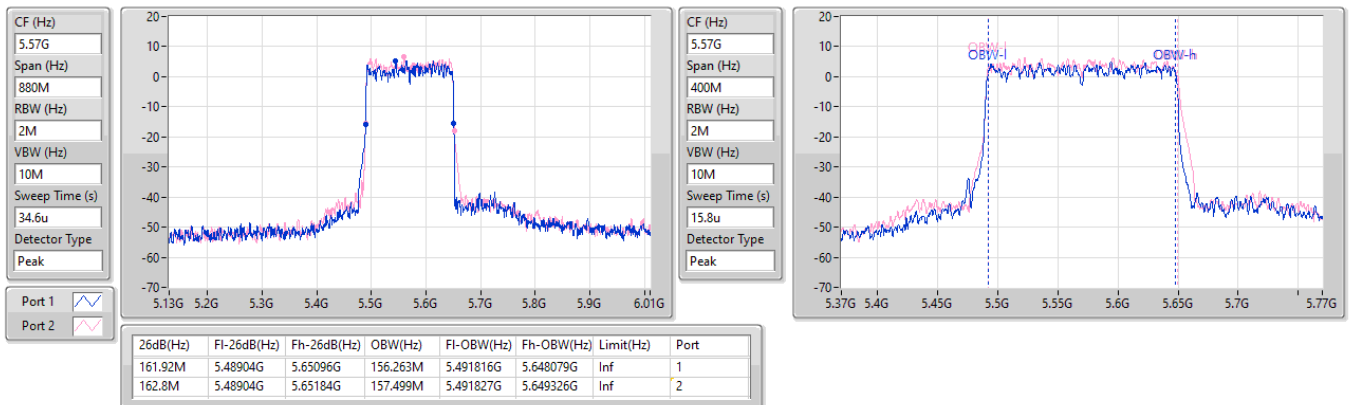


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_2TX
EBW
5690MHz Straddle 5.725-5.85GHz

20/04/2024

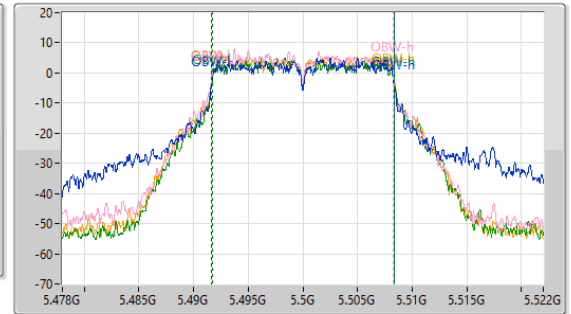
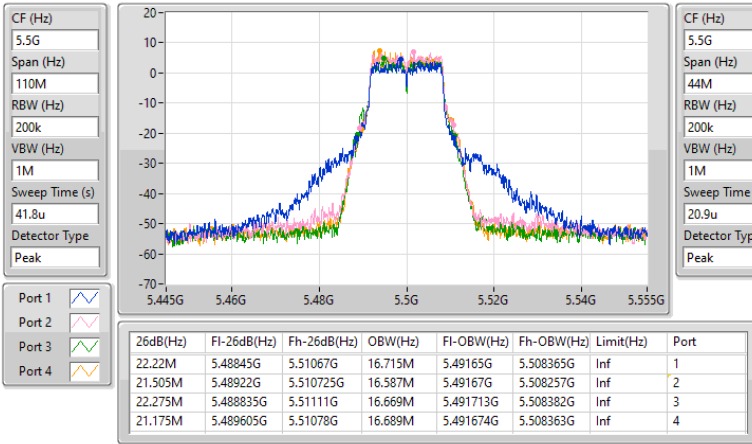

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_2TX
EBW
5570MHz

06/06/2024

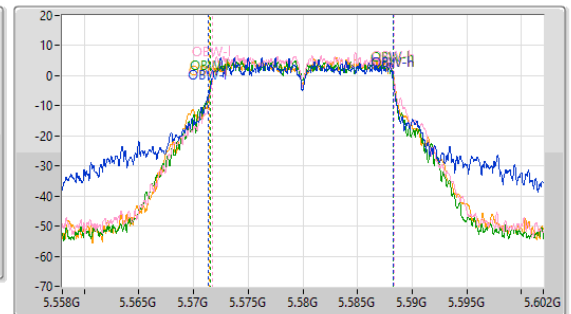
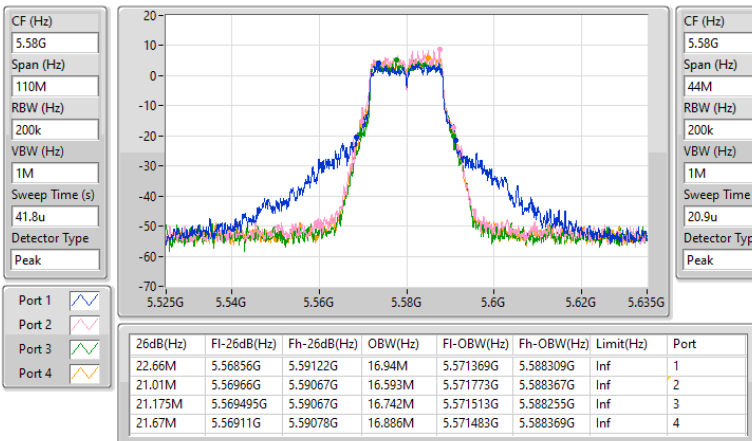


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5500MHz

20/04/2024

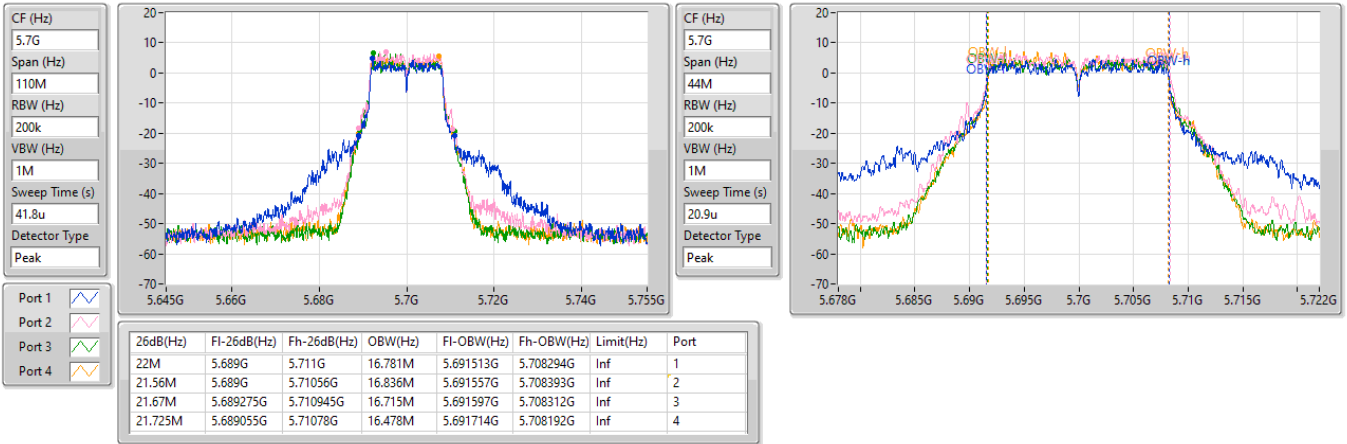

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5580MHz

20/04/2024

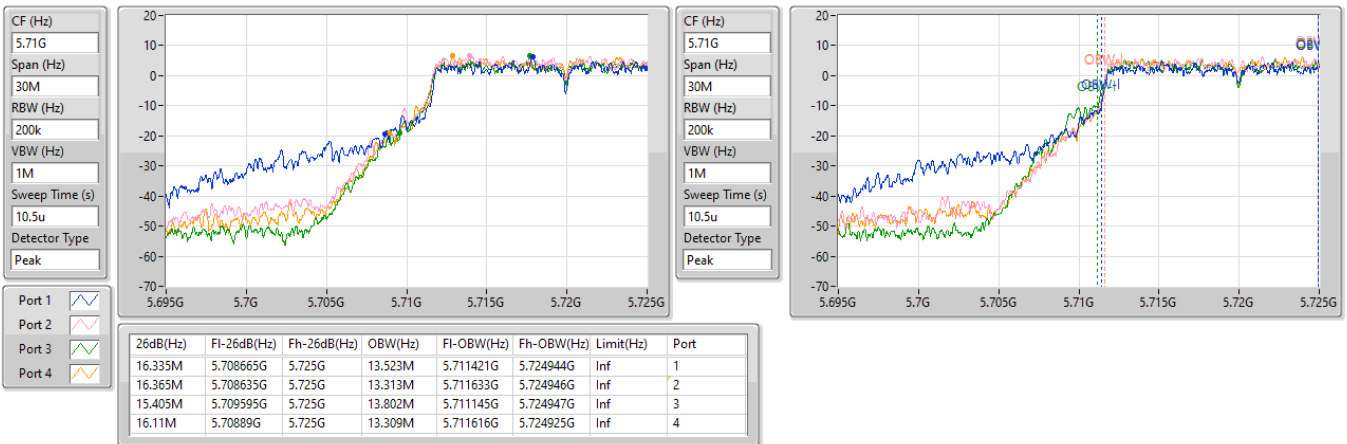


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5700MHz

20/04/2024

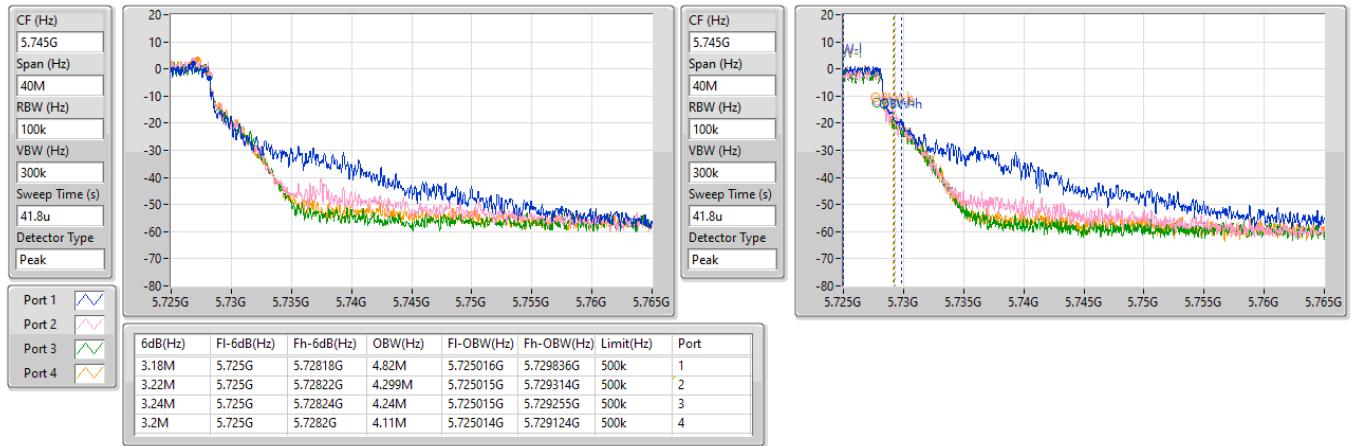

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

20/04/2024

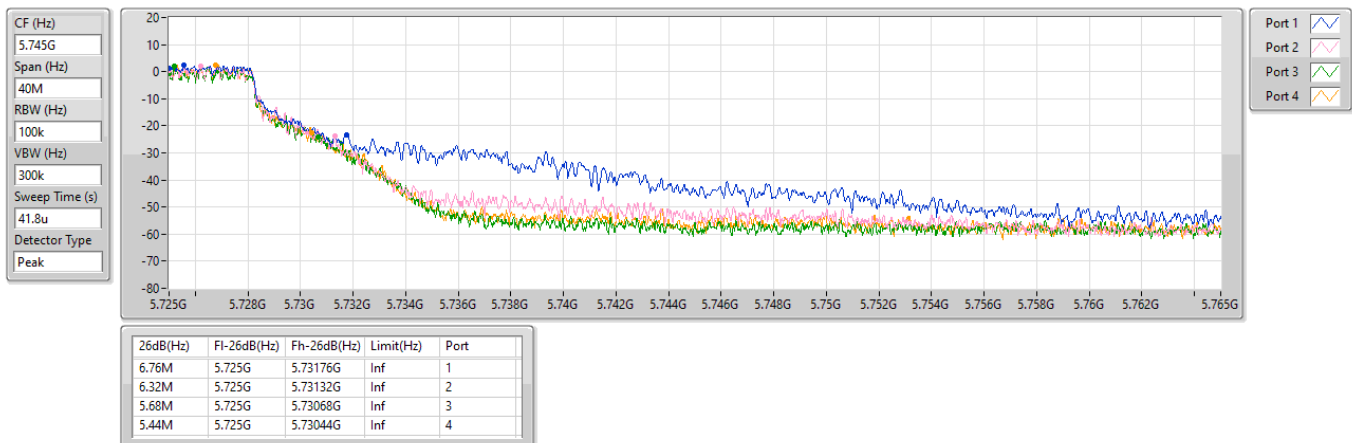


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

20/04/2024


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

20/04/2024

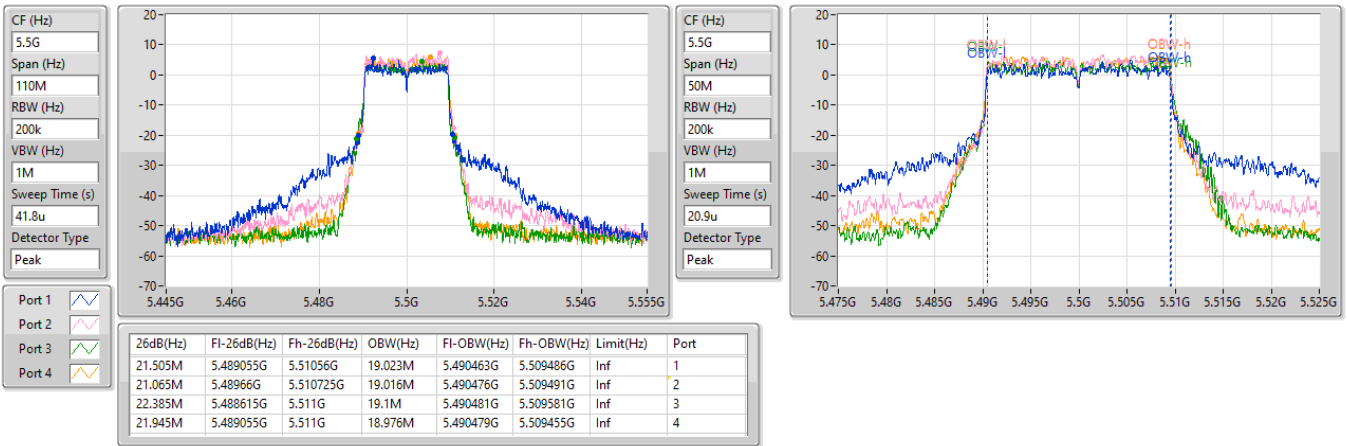


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

20/04/2024

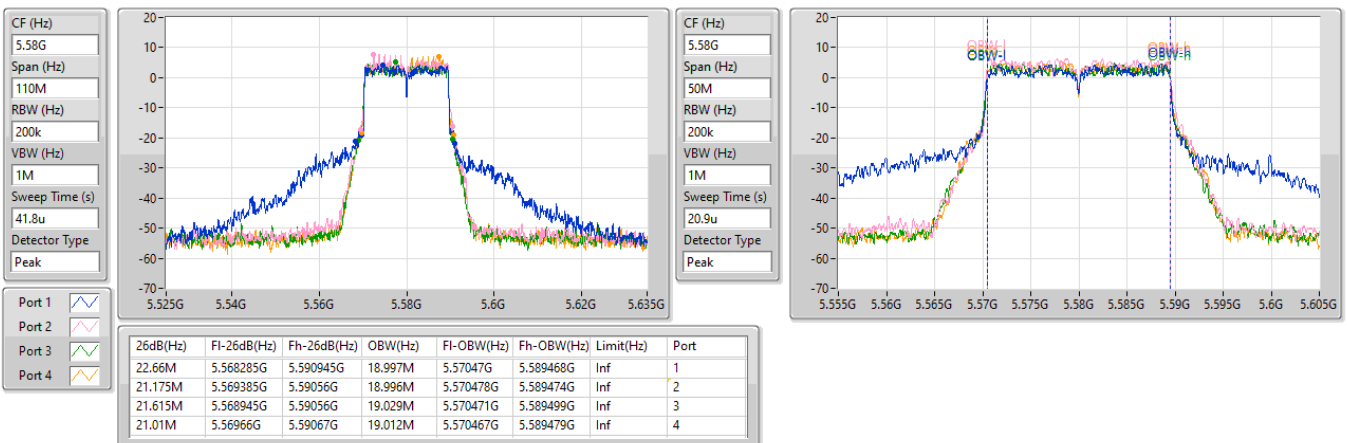


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

20/04/2024

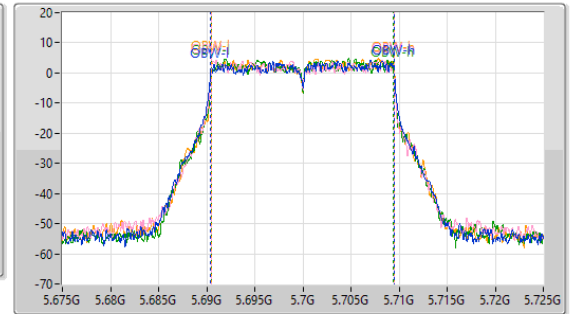
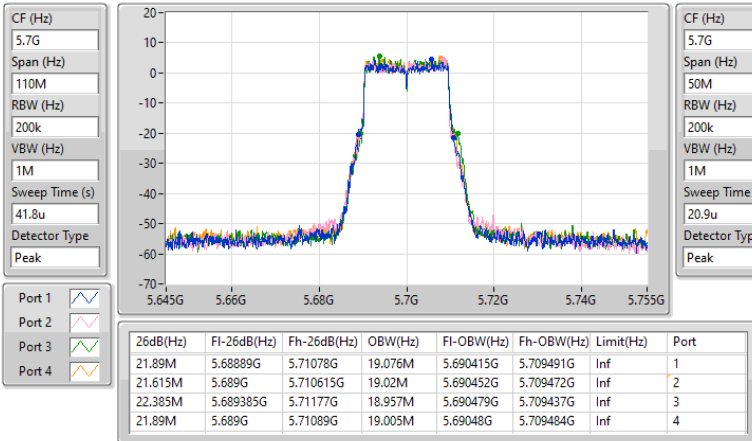


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

06/06/2024

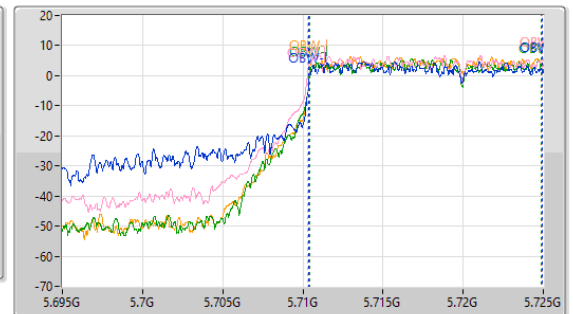
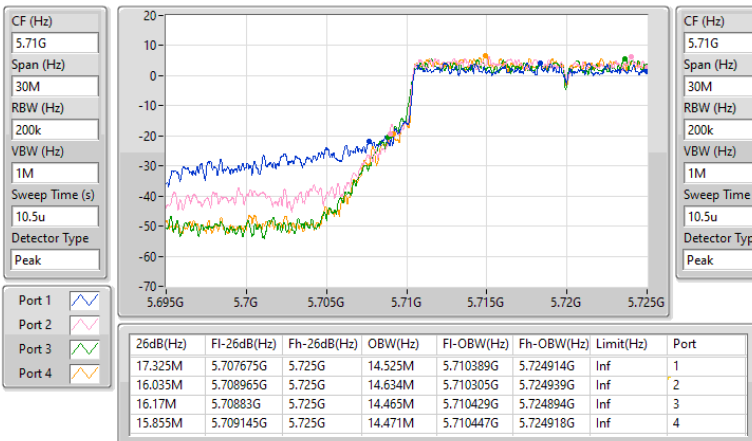


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

20/04/2024

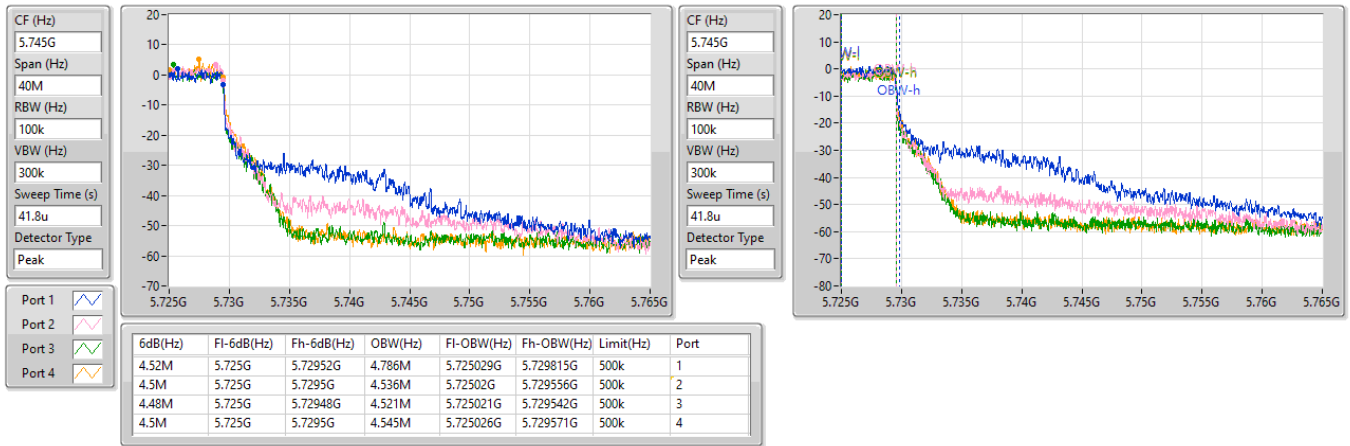


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/04/2024

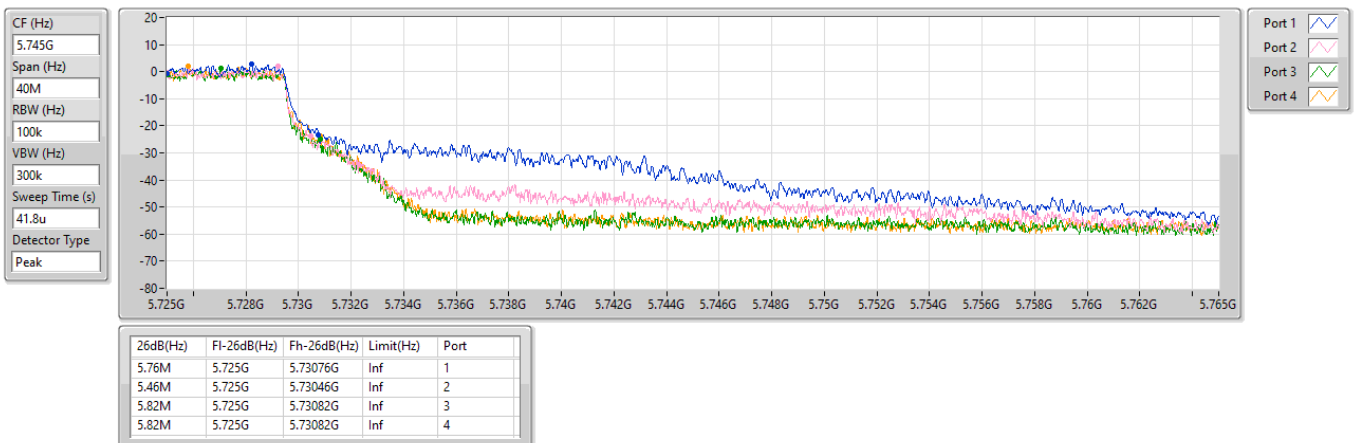


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

20/04/2024

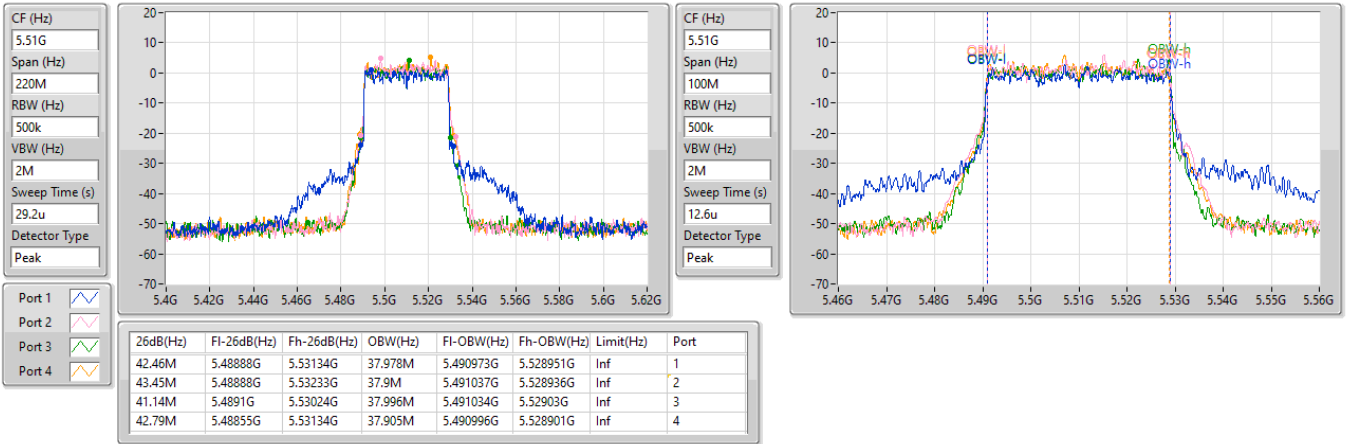


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

20/04/2024

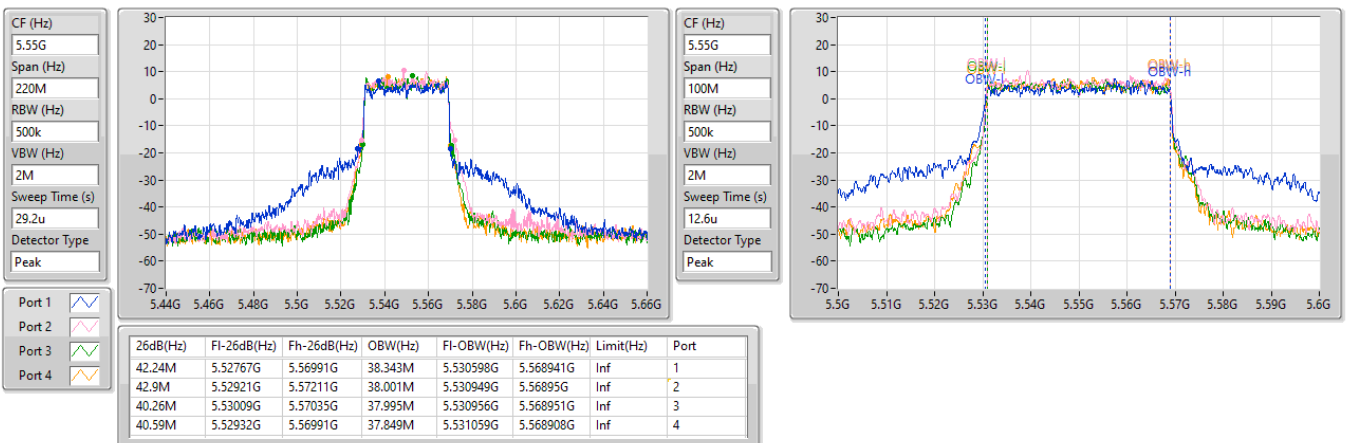


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

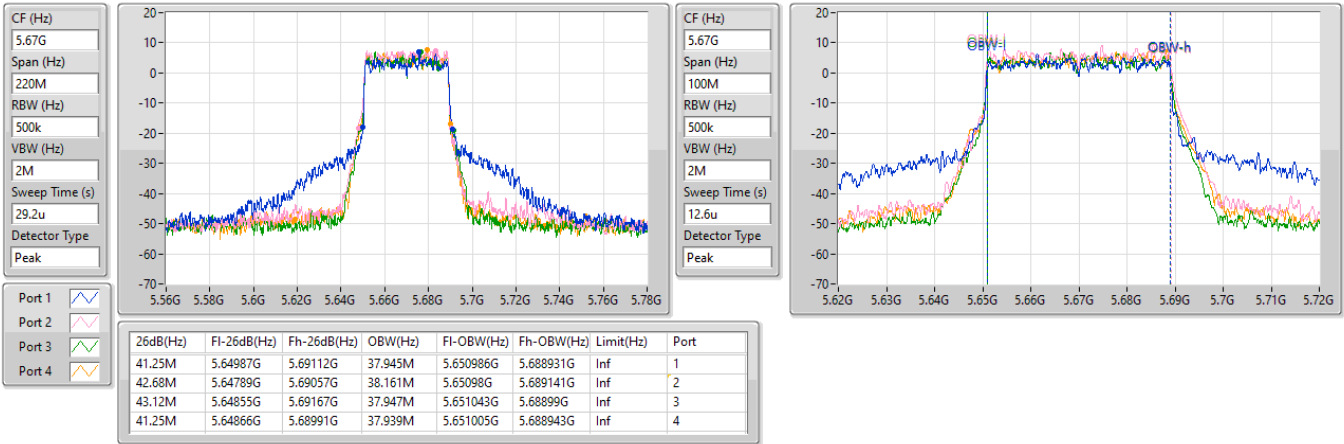
5550MHz

20/04/2024

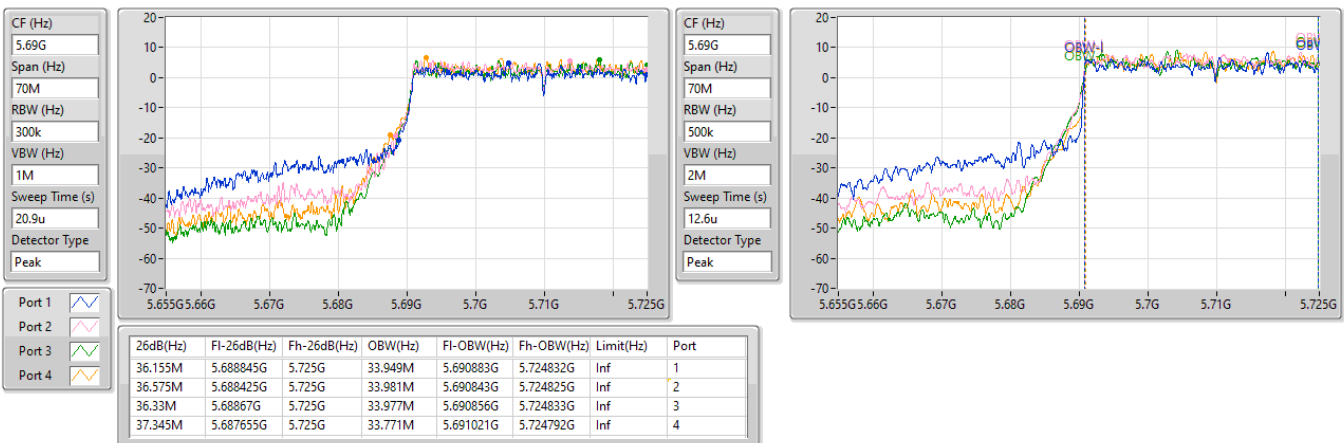


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5670MHz

20/04/2024


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

20/04/2024

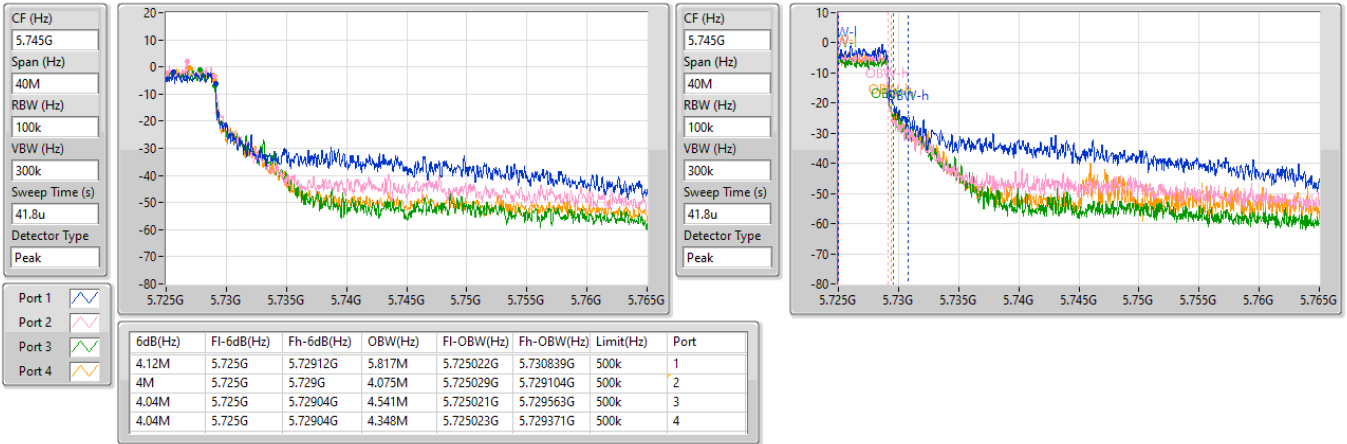


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EBW

5710MHz Straddle 5.725-5.85GHz

20/04/2024

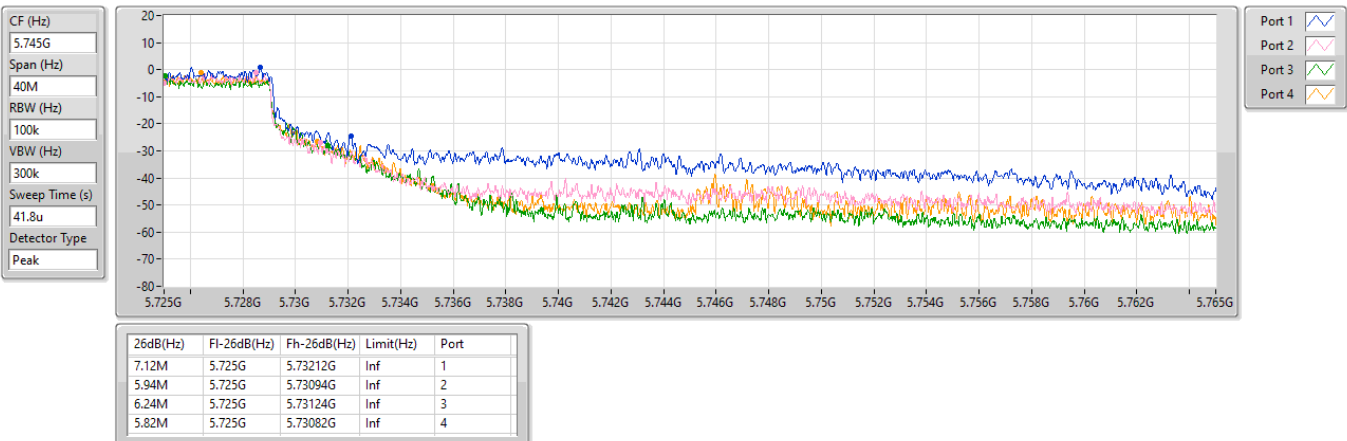


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EBW

5710MHz Straddle 5.725-5.85GHz

20/04/2024

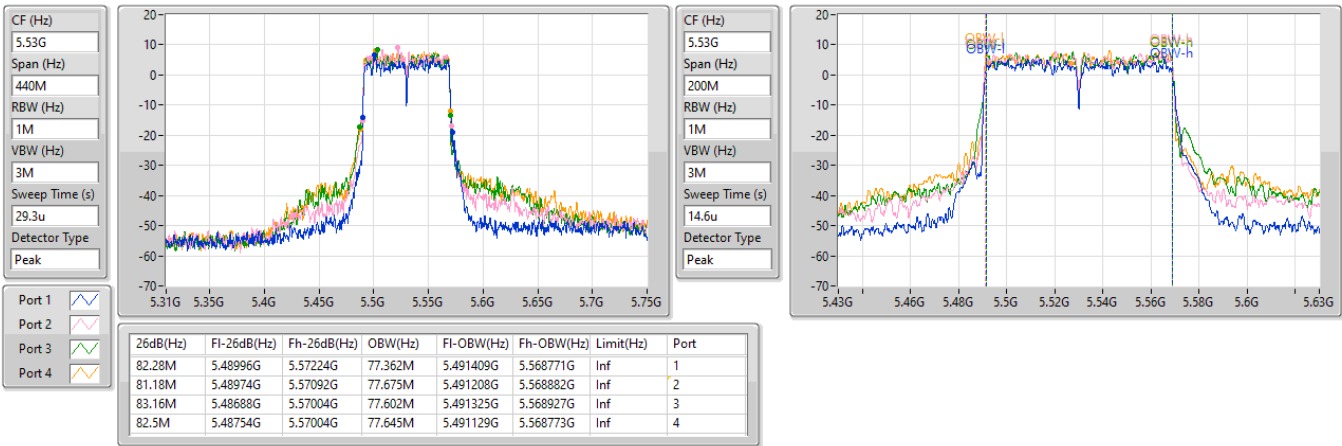


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

EBW

5530MHz

06/06/2024

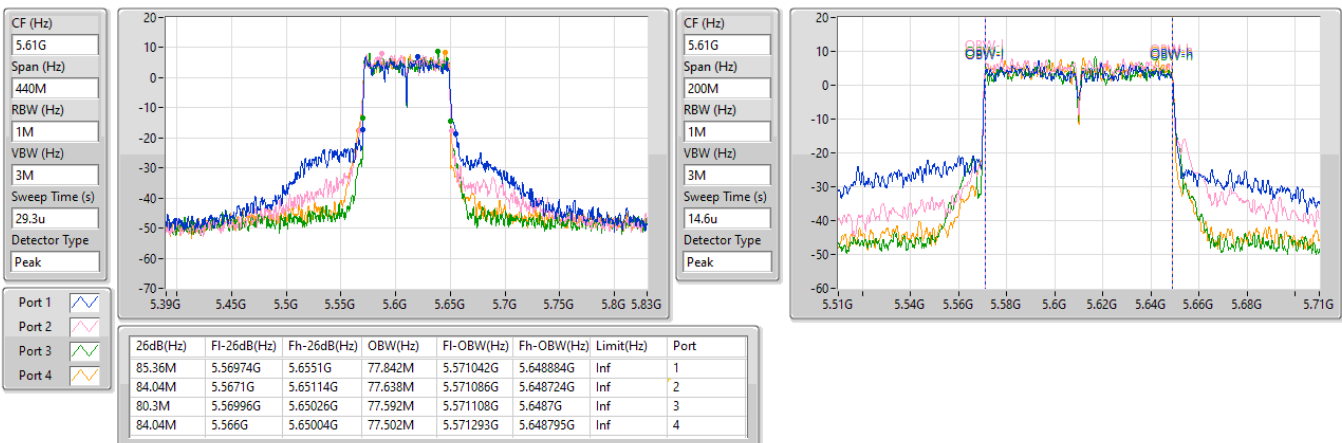


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

EBW

5610MHz

20/04/2024

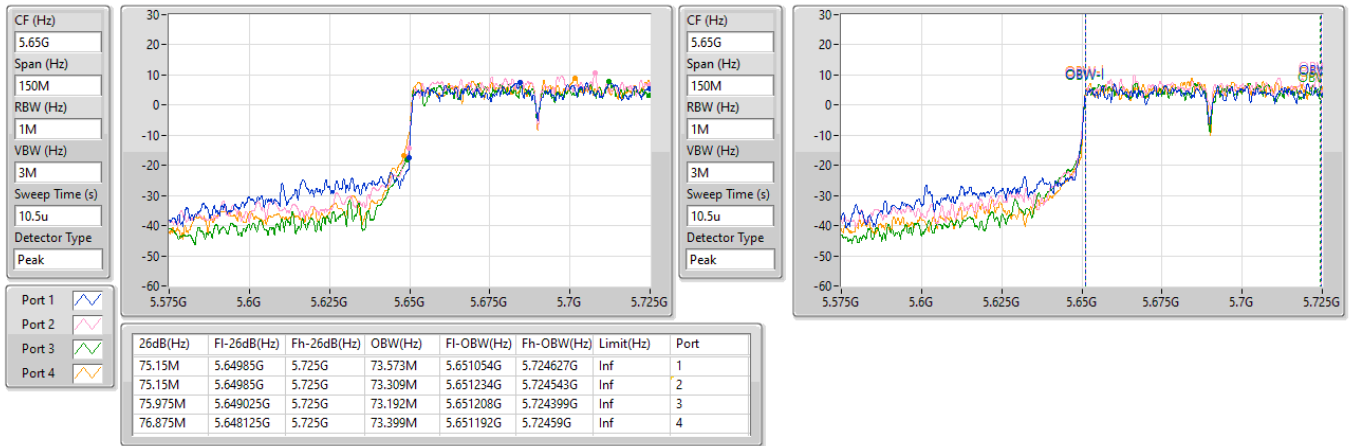


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

20/04/2024



5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_4TX

EBW

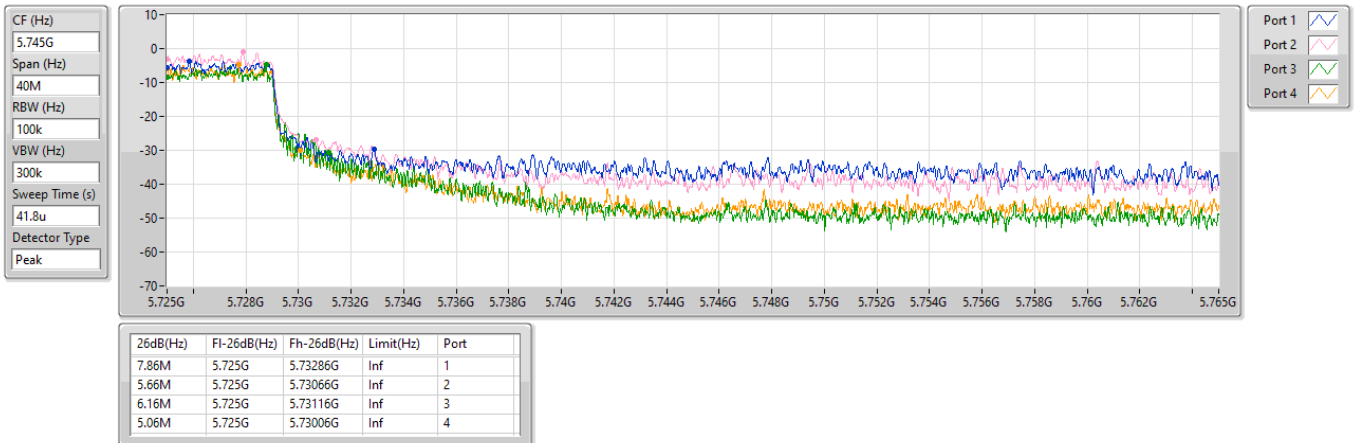
5690MHz Straddle 5.725-5.85GHz

20/04/2024

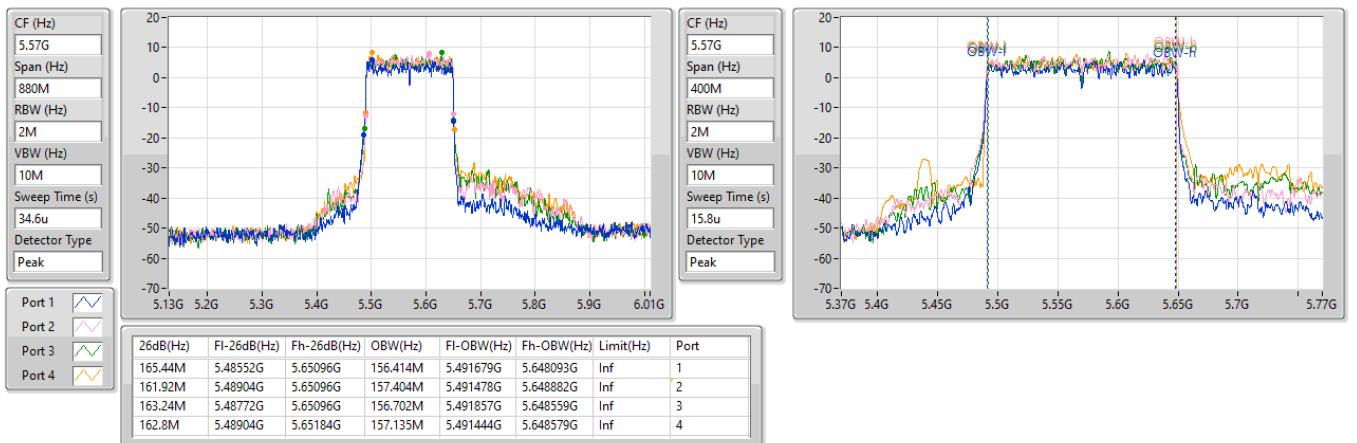


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

20/04/2024


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_4TX
EBW
5570MHz

06/06/2024



Test Mode: Mode 2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	34.65M	18.031M	18M0D1D	18.92M	14.093M
802.11ax HEW20_Nss1,(MCS0)_1TX	39.6M	19.715M	19M7D1D	20.9M	14.663M
802.11ax HEW40_Nss1,(MCS0)_1TX	77.55M	38.381M	38M4D1D	40.37M	34.388M
802.11ax HEW80_Nss1,(MCS0)_1TX	115.8M	77.561M	77M6D1D	82.5M	74.138M
802.11ax HEW160_Nss1,(MCS0)_1TX	165.44M	154.723M	155MD1D	165.44M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	3.12M	10.635M	10M6D1D	3.12M	10.635M
802.11ax HEW20_Nss1,(MCS0)_1TX	4.28M	10.295M	10M3D1D	4.28M	10.295M
802.11ax HEW40_Nss1,(MCS0)_1TX	4.04M	25.107M	25M1D1D	4.04M	25.107M
802.11ax HEW80_Nss1,(MCS0)_1TX	4.1M	35.942M	35M9D1D	4.1M	35.942M

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

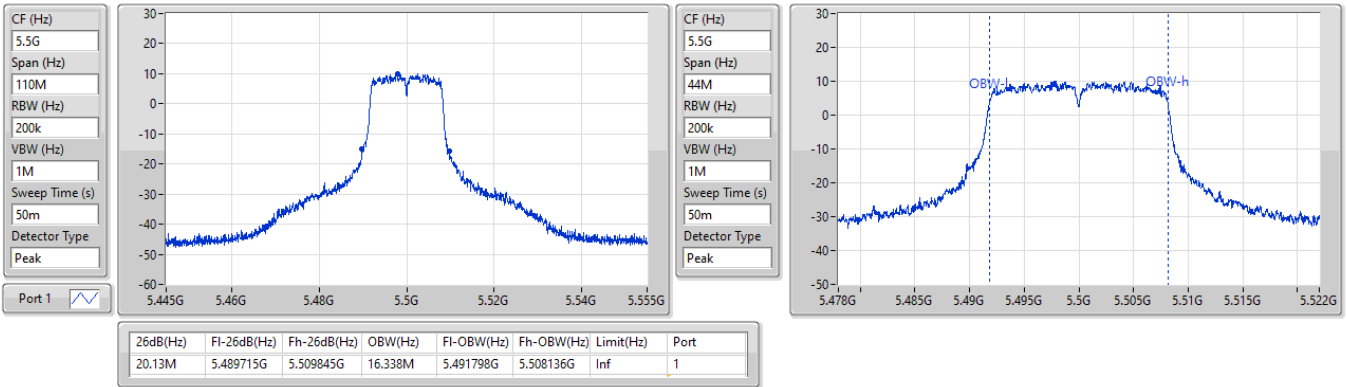
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5500MHz	Pass	Inf	20.13M	16.338M
5580MHz	Pass	Inf	34.65M	18.031M
5700MHz	Pass	Inf	18.92M	16.294M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.72M	14.093M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	10.635M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5500MHz	Pass	Inf	21.01M	18.866M
5580MHz	Pass	Inf	39.6M	19.715M
5700MHz	Pass	Inf	20.9M	18.891M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	24.345M	14.663M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.28M	10.295M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5510MHz	Pass	Inf	40.59M	37.631M
5550MHz	Pass	Inf	77.55M	38.381M
5670MHz	Pass	Inf	40.37M	37.681M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	57.295M	34.388M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	25.107M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5530MHz	Pass	Inf	82.5M	77.161M
5610MHz	Pass	Inf	103.62M	77.561M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	115.8M	74.138M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	35.942M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5570MHz	Pass	Inf	165.44M	154.723M

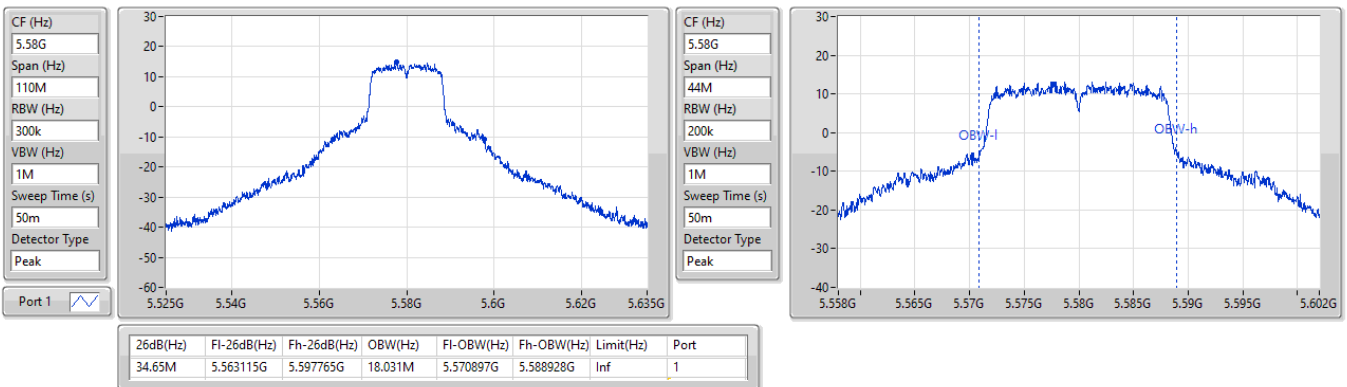
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

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

26/04/2024

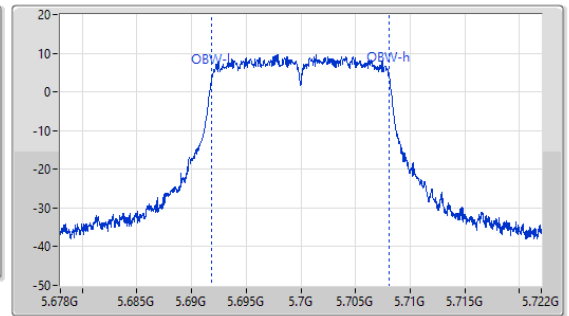
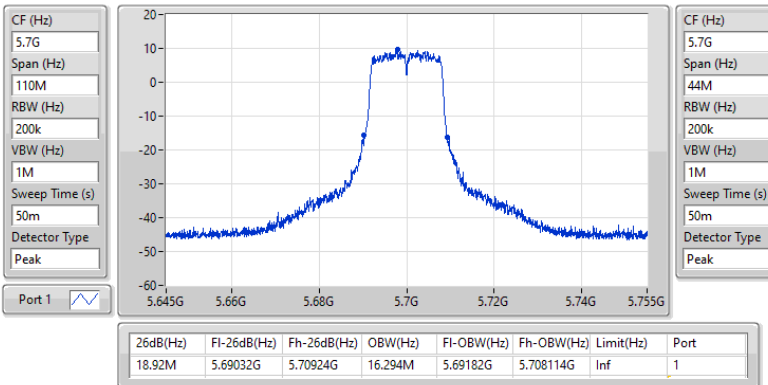


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

26/04/2024

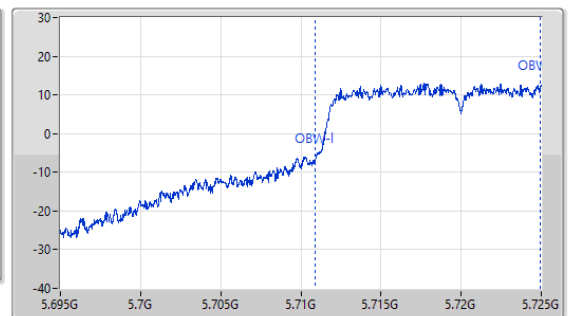
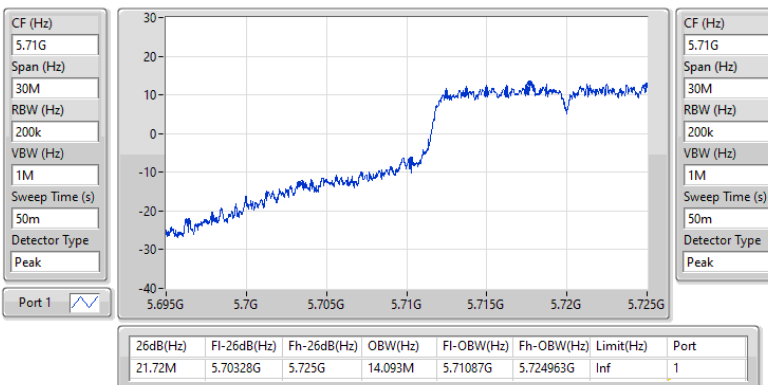


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

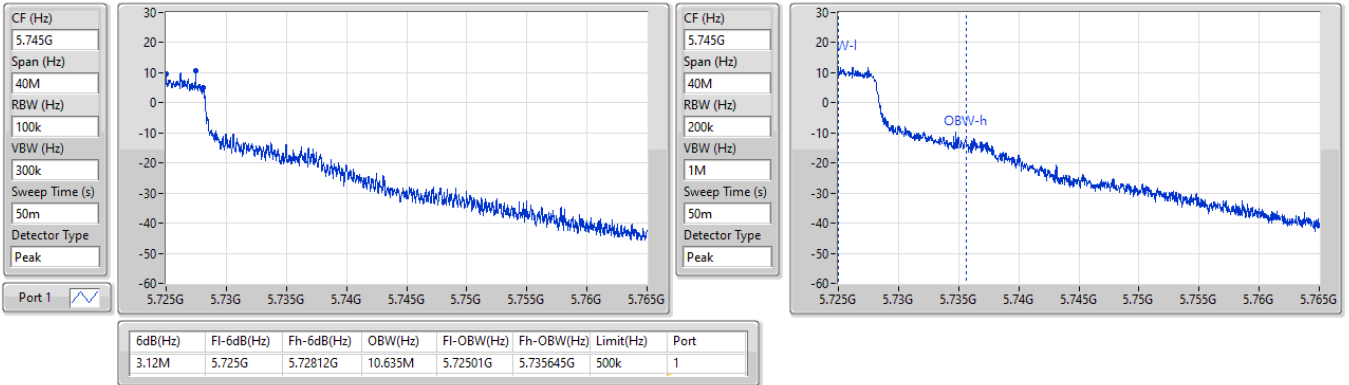
5720MHz Straddle 5.47-5.725GHz

26/04/2024

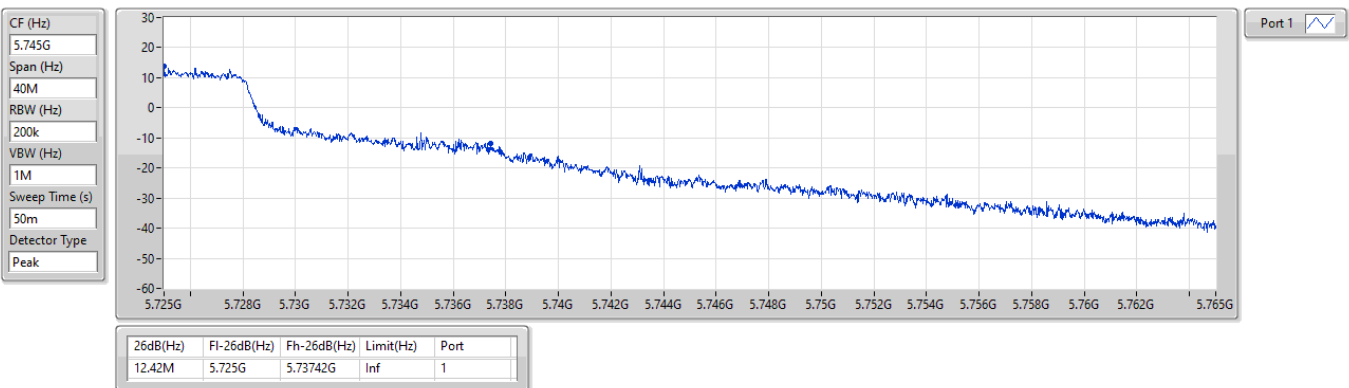


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

26/04/2024

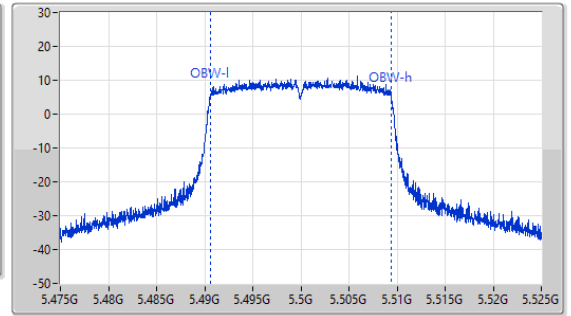
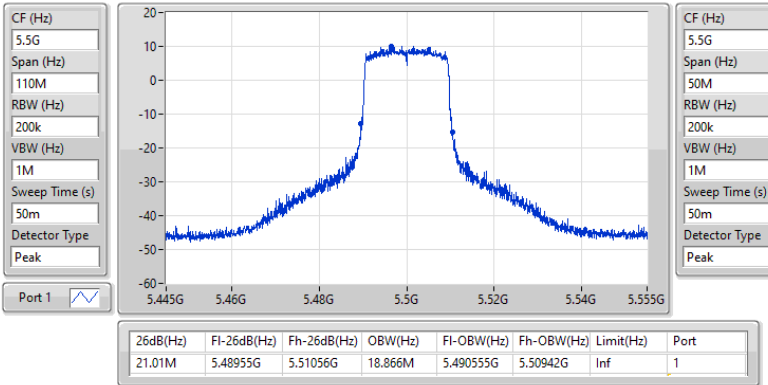

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

26/04/2024

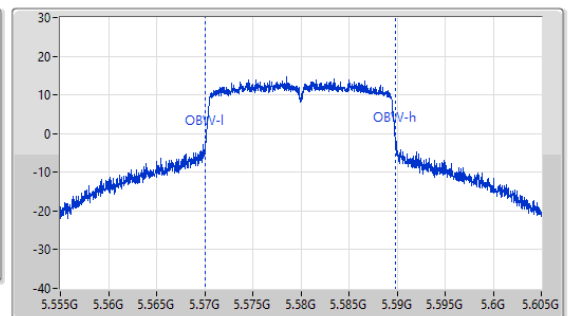
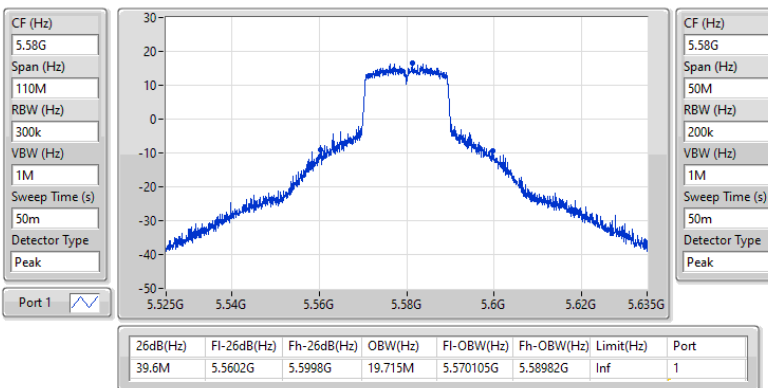


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5500MHz

26/04/2024

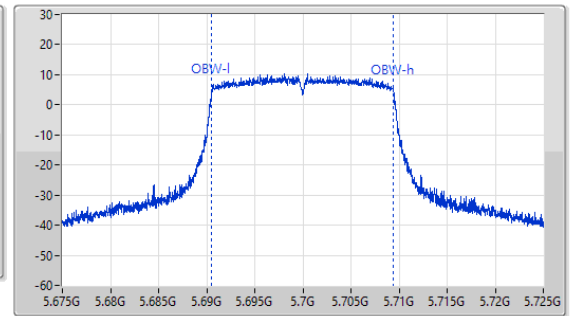
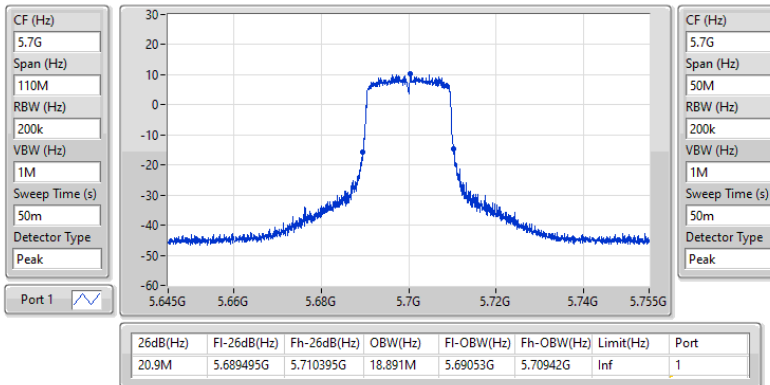

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5580MHz

26/04/2024

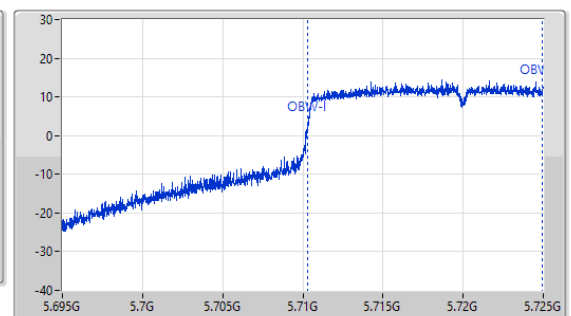
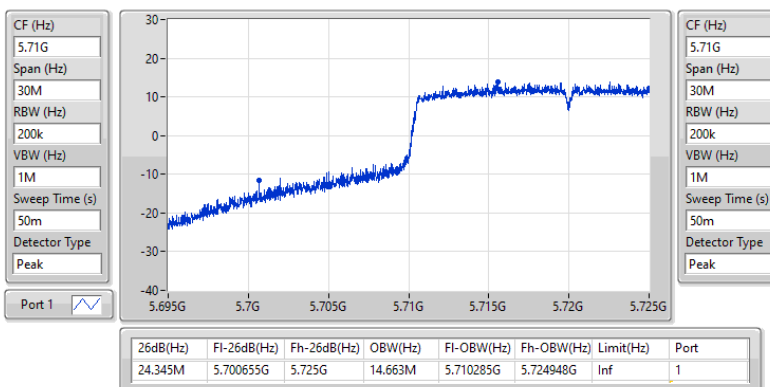


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5700MHz

26/04/2024


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

26/04/2024

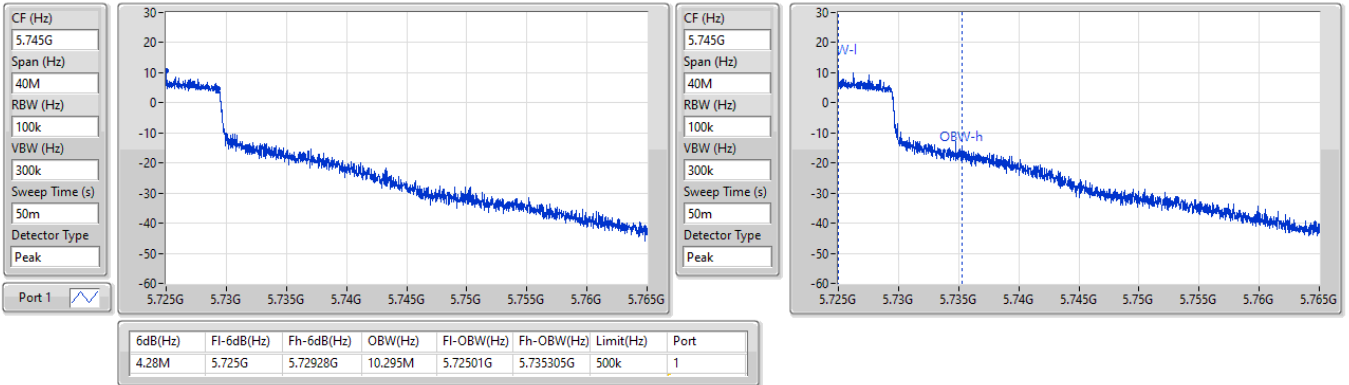


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

26/04/2024

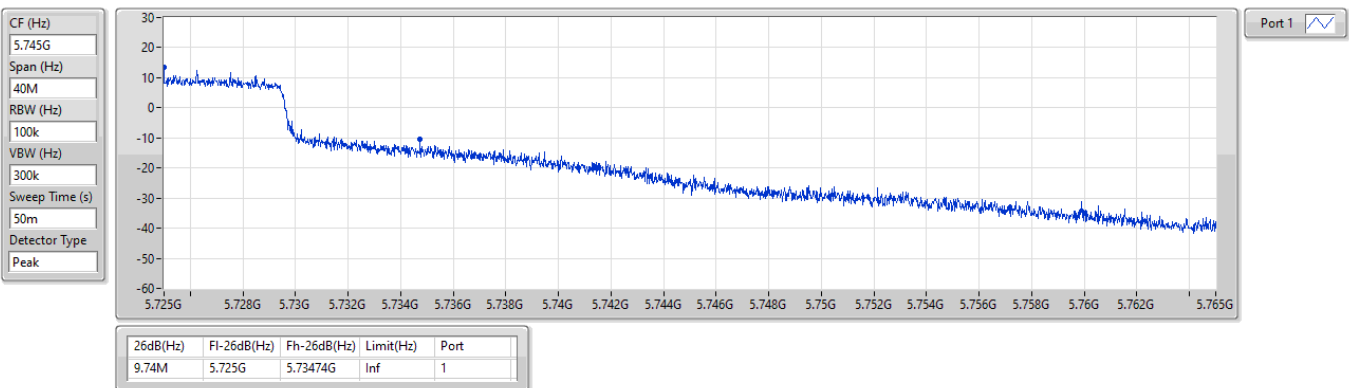


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

26/04/2024

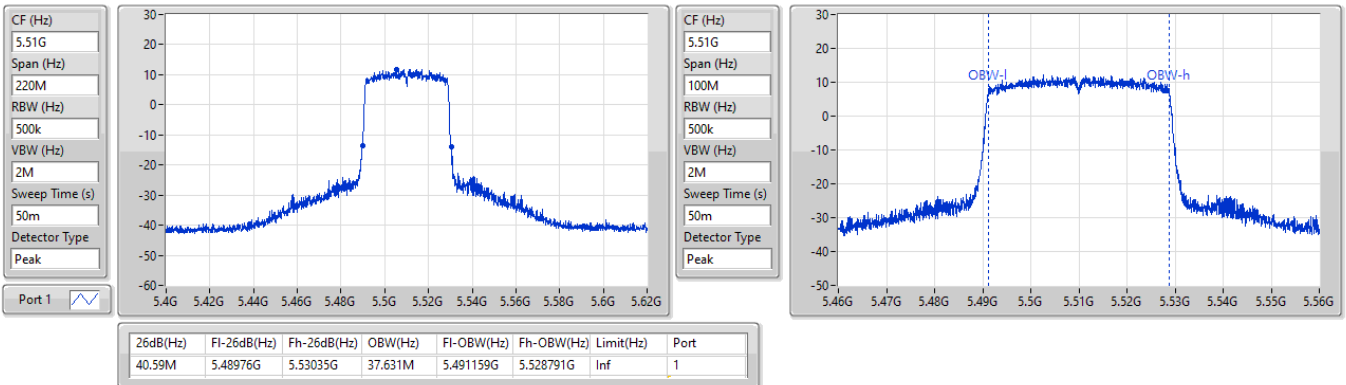


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

26/04/2024

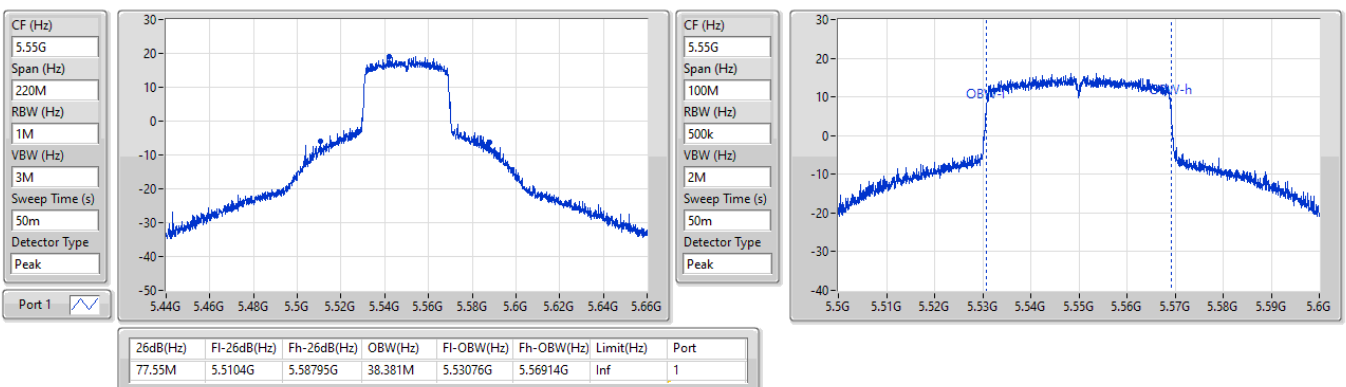


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

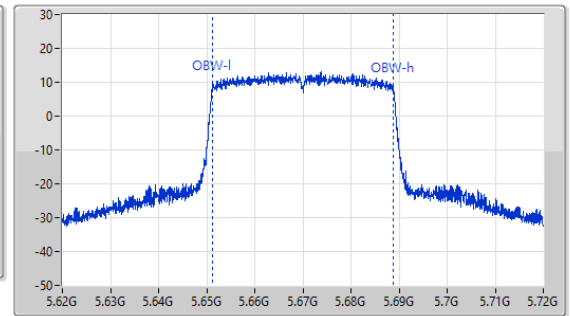
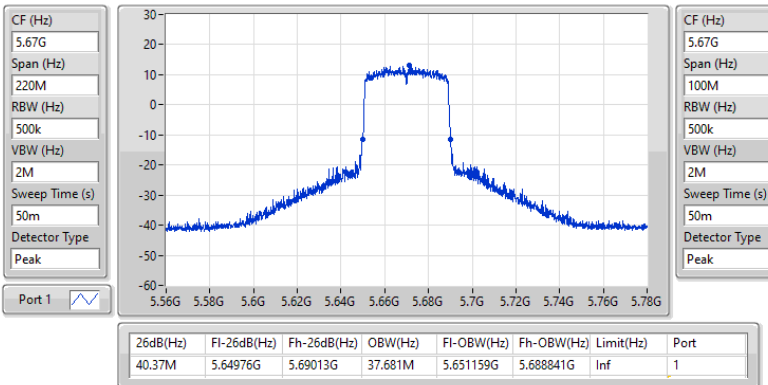
5550MHz

26/04/2024

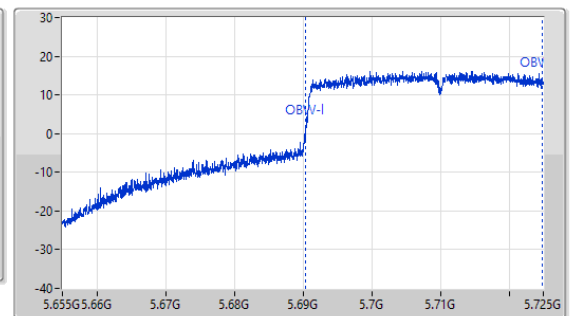
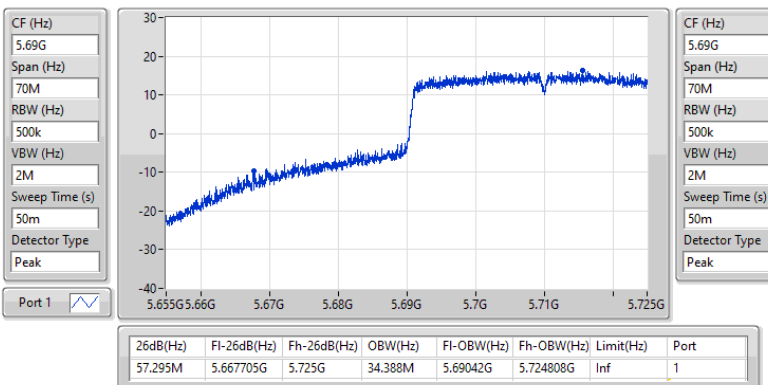


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5670MHz

26/04/2024


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.47-5.725GHz

26/04/2024

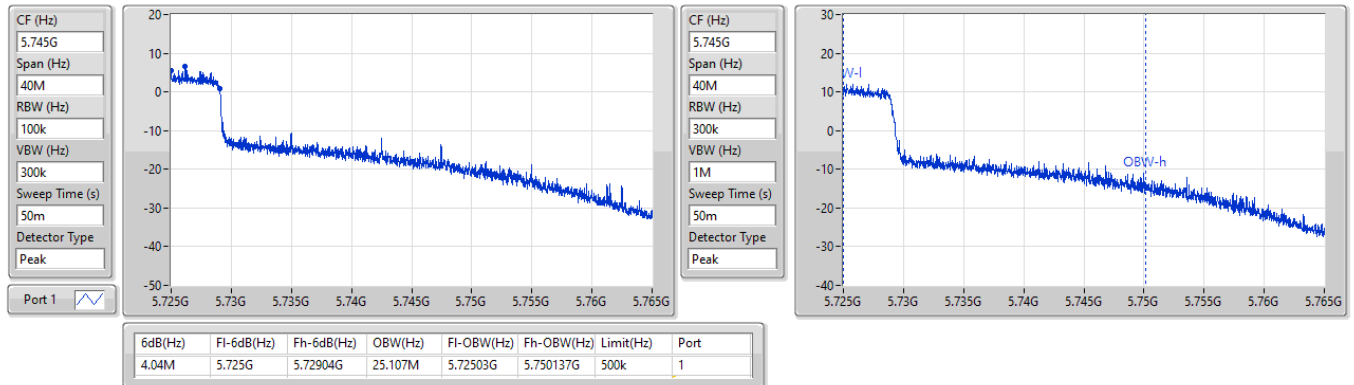


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

26/04/2024

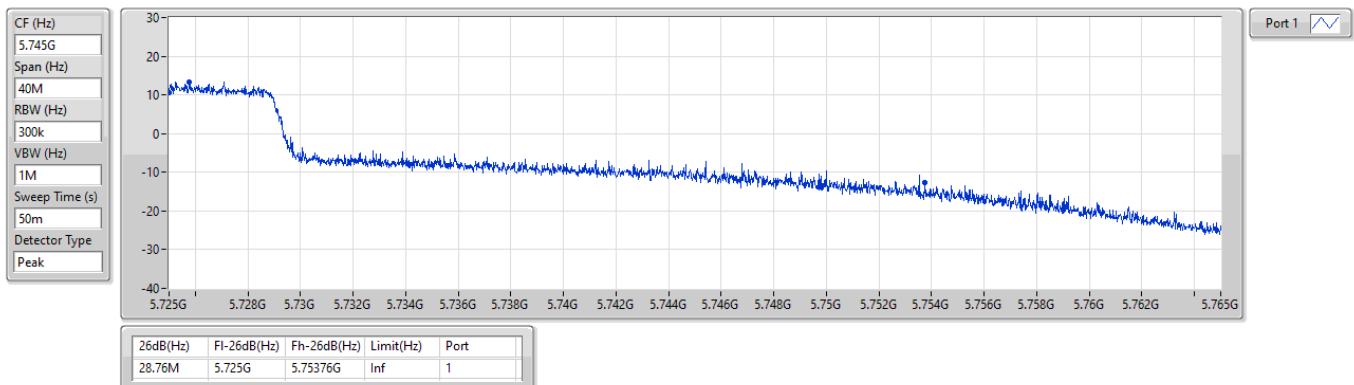


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

26/04/2024

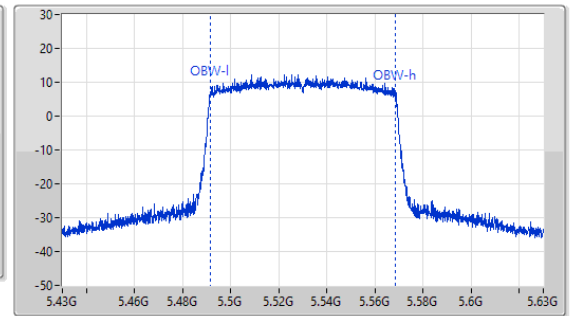
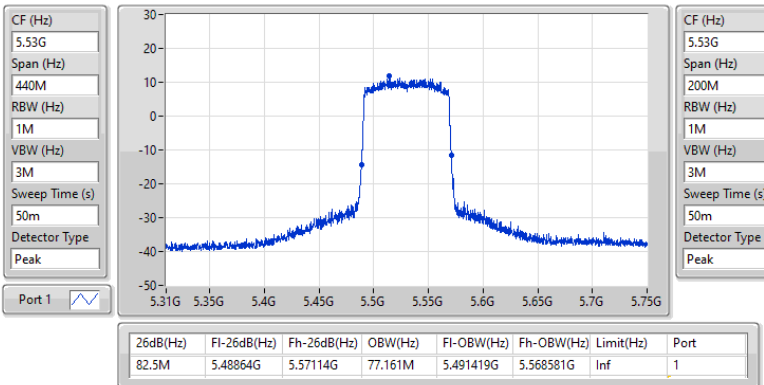


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5530MHz

26/04/2024

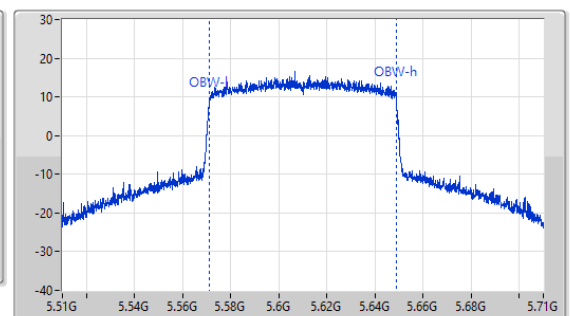
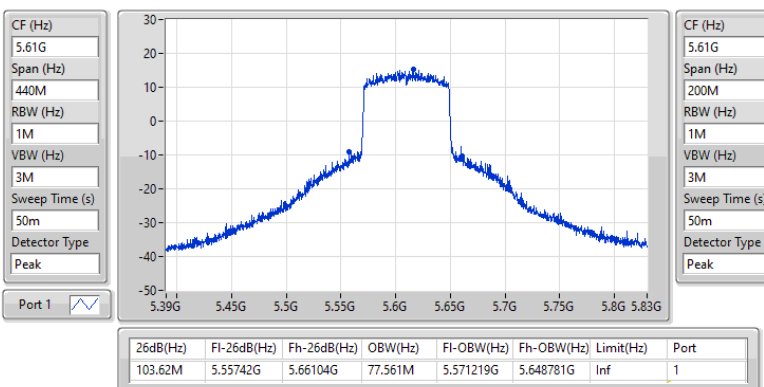


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

26/04/2024

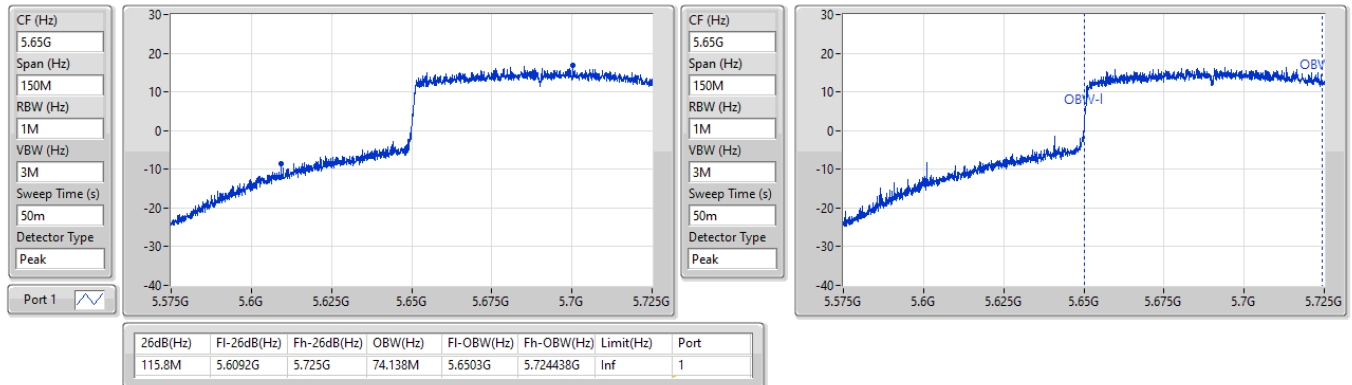


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

26/04/2024

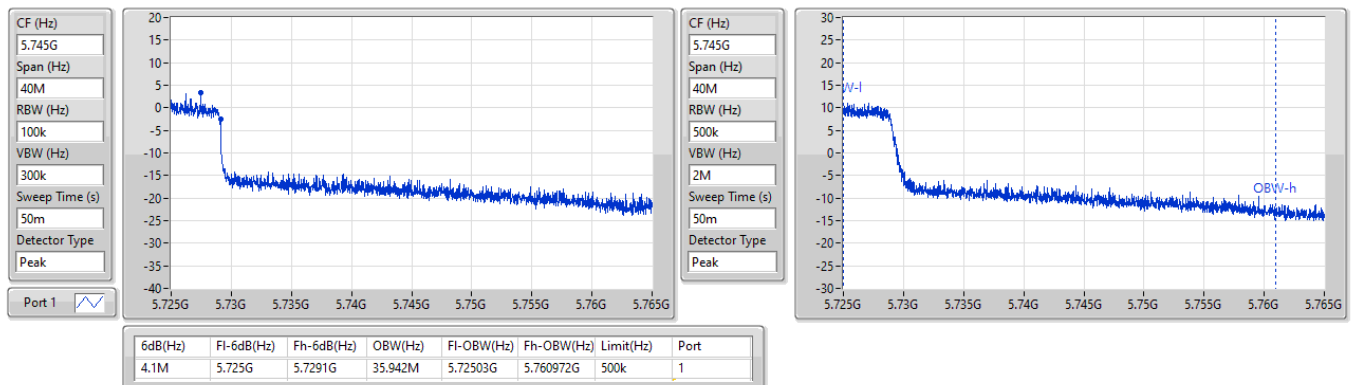


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

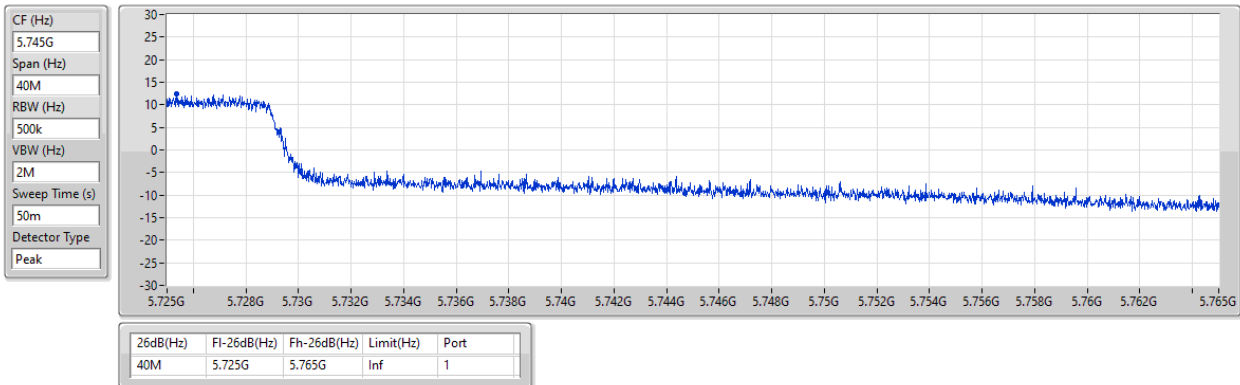
5690MHz Straddle 5.725-5.85GHz

26/04/2024

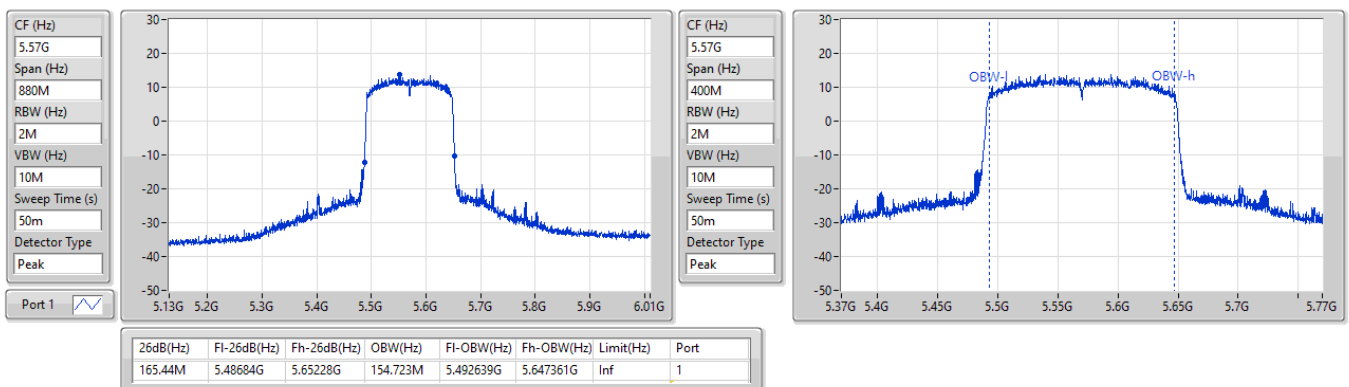


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

26/04/2024


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
5570MHz

26/04/2024





Average Power

Appendix C.1

Test Mode: Mode 1

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	18.32	0.06792
802.11a_Nss1,(6Mbps)_2TX	23.71	0.23496
802.11a_Nss1,(6Mbps)_4TX	23.92	0.24660
802.11be EHT20_Nss1,(MCS0)_1TX	19.74	0.09419
802.11be EHT20_Nss1,(MCS0)_2TX	22.88	0.19409
802.11be EHT20_Nss1,(MCS0)_4TX	23.63	0.23067
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.88	0.19409
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.63	0.23067
802.11be EHT40_Nss1,(MCS0)_1TX	21.00	0.12589
802.11be EHT40_Nss1,(MCS0)_2TX	23.72	0.23550
802.11be EHT40_Nss1,(MCS0)_4TX	23.63	0.23067
802.11be EHT40-BF_Nss1,(MCS0)_2TX	23.72	0.23550
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.63	0.23067
802.11be EHT80_Nss1,(MCS14)_1TX	22.02	0.15922
802.11be EHT80_Nss1,(MCS14)_2TX	23.56	0.22699
802.11be EHT80_Nss1,(MCS14)_4TX	23.86	0.24322
802.11be EHT80-BF_Nss1,(MCS14)_2TX	23.56	0.22699
802.11be EHT80-BF_Nss1,(MCS14)_4TX	23.86	0.24322
802.11be EHT160_Nss1,(MCS14)_1TX	14.14	0.02594
802.11be EHT160_Nss1,(MCS14)_2TX	18.78	0.07551
802.11be EHT160_Nss1,(MCS14)_4TX	23.03	0.20091
802.11be EHT160-BF_Nss1,(MCS14)_2TX	18.78	0.07551
802.11be EHT160-BF_Nss1,(MCS14)_4TX	23.03	0.20091
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	12.44	0.01754
802.11a_Nss1,(6Mbps)_2TX	16.34	0.04305
802.11a_Nss1,(6Mbps)_4TX	16.82	0.04808
802.11be EHT20_Nss1,(MCS0)_1TX	14.78	0.03006
802.11be EHT20_Nss1,(MCS0)_2TX	17.89	0.06152
802.11be EHT20_Nss1,(MCS0)_4TX	17.84	0.06081
802.11be EHT20-BF_Nss1,(MCS0)_2TX	17.89	0.06152
802.11be EHT20-BF_Nss1,(MCS0)_4TX	17.84	0.06081
802.11be EHT40_Nss1,(MCS0)_1TX	11.73	0.01489
802.11be EHT40_Nss1,(MCS0)_2TX	14.09	0.02564
802.11be EHT40_Nss1,(MCS0)_4TX	14.46	0.02793
802.11be EHT40-BF_Nss1,(MCS0)_2TX	14.09	0.02564
802.11be EHT40-BF_Nss1,(MCS0)_4TX	14.46	0.02793
802.11be EHT80_Nss1,(MCS14)_1TX	9.36	0.00863
802.11be EHT80_Nss1,(MCS14)_2TX	10.90	0.01230
802.11be EHT80_Nss1,(MCS14)_4TX	11.33	0.01358
802.11be EHT80-BF_Nss1,(MCS14)_2TX	10.90	0.01230
802.11be EHT80-BF_Nss1,(MCS14)_4TX	11.33	0.01358

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	17.89	-	-	-	17.89	23.98
5580MHz	Pass	3.93	17.82	-	-	-	17.82	23.98
5700MHz	Pass	3.93	17.07	-	-	-	17.07	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	18.32	-	-	-	18.32	23.19
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	12.44	-	-	-	12.44	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	16.13	-	-	-	16.13	23.98
5580MHz	Pass	3.93	19.08	-	-	-	19.08	23.98
5700MHz	Pass	3.93	16.95	-	-	-	16.95	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	19.74	-	-	-	19.74	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	14.78	-	-	-	14.78	30.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	14.35	-	-	-	14.35	23.98
5550MHz	Pass	3.93	20.74	-	-	-	20.74	23.98
5670MHz	Pass	3.93	18.84	-	-	-	18.84	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	21.00	-	-	-	21.00	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	11.73	-	-	-	11.73	30.00
802.11be EHT80_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	17.75	-	-	-	17.75	23.98
5610MHz	Pass	3.93	19.69	-	-	-	19.69	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	22.02	-	-	-	22.02	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	9.36	-	-	-	9.36	30.00
802.11be EHT160_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	14.14	-	-	-	14.14	23.98
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	17.04	18.90	-	-	21.08	23.98
5580MHz	Pass	3.93	19.77	21.47	-	-	23.71	23.98
5700MHz	Pass	3.93	17.77	18.80	-	-	21.33	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	18.45	20.13	-	-	22.38	23.06
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	12.46	14.06	-	-	16.34	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	17.01	18.87	-	-	21.05	23.98
5580MHz	Pass	3.93	18.76	20.60	-	-	22.79	23.98
5700MHz	Pass	3.93	18.37	18.97	-	-	21.69	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	18.83	20.70	-	-	22.88	23.15
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	13.95	15.65	-	-	17.89	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	13.96	14.85	-	-	17.44	23.98
5550MHz	Pass	3.93	19.92	21.37	-	-	23.72	23.98
5670MHz	Pass	3.93	17.73	18.94	-	-	21.39	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	19.39	21.19	-	-	23.39	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	10.15	11.84	-	-	14.09	30.00
802.11be EHT80_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	13.98	15.00	-	-	17.53	23.98
5610MHz	Pass	3.93	18.67	20.65	-	-	22.78	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	19.72	21.25	-	-	23.56	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	7.00	8.62	-	-	10.90	30.00
802.11be EHT160_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	15.04	16.40	-	-	18.78	23.98
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	16.61	18.44	16.96	18.03	23.60	23.98
5580MHz	Pass	3.93	17.20	18.77	17.49	17.98	23.92	23.98
5700MHz	Pass	3.93	16.55	18.26	17.15	17.83	23.52	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	15.87	17.48	16.48	17.30	22.85	22.88



Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	9.86	11.32	10.55	11.30	16.82	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	16.78	18.52	16.98	17.93	23.63	23.98
5580MHz	Pass	3.93	16.60	18.55	17.15	17.60	23.56	23.98
5700MHz	Pass	3.93	16.22	16.38	16.60	17.05	22.59	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	15.63	17.35	16.44	17.09	22.70	23.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	10.89	12.35	11.52	12.33	17.84	30.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	12.70	14.47	13.58	14.34	19.85	23.98
5550MHz	Pass	3.93	16.55	18.38	17.36	17.70	23.57	23.98
5670MHz	Pass	3.93	16.66	18.37	17.10	17.70	23.53	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	16.51	18.31	17.47	17.96	23.63	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	7.41	9.17	8.17	8.82	14.46	30.00
802.11be EHT80_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	16.11	17.76	17.71	18.00	23.48	23.98
5610MHz	Pass	3.93	16.99	18.28	17.11	17.69	23.57	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	16.77	18.68	17.53	18.15	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	4.49	6.18	4.82	5.55	11.33	30.00
802.11be EHT160_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	15.75	17.09	17.38	17.60	23.03	23.98
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	17.01	18.87	-	-	21.05	23.98
5580MHz	Pass	3.93	18.76	20.60	-	-	22.79	23.98
5700MHz	Pass	3.93	18.37	18.97	-	-	21.69	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	18.83	20.70	-	-	22.88	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	13.95	15.65	-	-	17.89	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	13.96	14.85	-	-	17.44	23.98
5550MHz	Pass	3.93	19.92	21.37	-	-	23.72	23.98
5670MHz	Pass	3.93	17.73	18.94	-	-	21.39	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	19.39	21.19	-	-	23.39	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	10.15	11.84	-	-	14.09	30.00
802.11be EHT80-BF_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	13.98	15.00	-	-	17.53	23.98
5610MHz	Pass	3.93	18.67	20.65	-	-	22.78	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	19.72	21.25	-	-	23.56	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	7.00	8.62	-	-	10.90	30.00
802.11be EHT160-BF_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	15.04	16.40	-	-	18.78	23.98
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.57	16.78	18.52	16.98	17.93	23.63	23.98
5580MHz	Pass	5.57	16.60	18.55	17.15	17.60	23.56	23.98
5700MHz	Pass	5.57	16.22	16.38	16.60	17.05	22.59	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.57	15.63	17.35	16.44	17.09	22.70	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.69	10.89	12.35	11.52	12.33	17.84	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	5.57	12.70	14.47	13.58	14.34	19.85	23.98
5550MHz	Pass	5.57	16.55	18.38	17.36	17.70	23.57	23.98
5670MHz	Pass	5.57	16.66	18.37	17.10	17.70	23.53	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.57	16.51	18.31	17.47	17.96	23.63	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.69	7.41	9.17	8.17	8.82	14.46	30.00
802.11be EHT80-BF_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.57	16.11	17.76	17.71	18.00	23.48	23.98
5610MHz	Pass	5.57	16.99	18.28	17.11	17.69	23.57	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.57	16.77	18.68	17.53	18.15	23.86	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.69	4.49	6.18	4.82	5.55	11.33	30.00



Average Power

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT160-BF_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	5.57	15.75	17.09	17.38	17.60	23.03	23.98

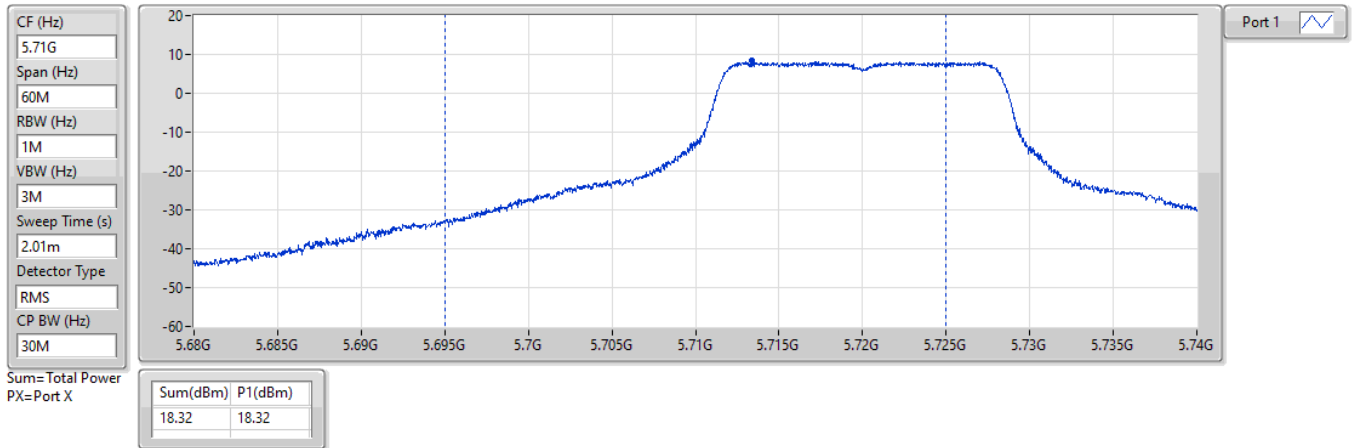
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

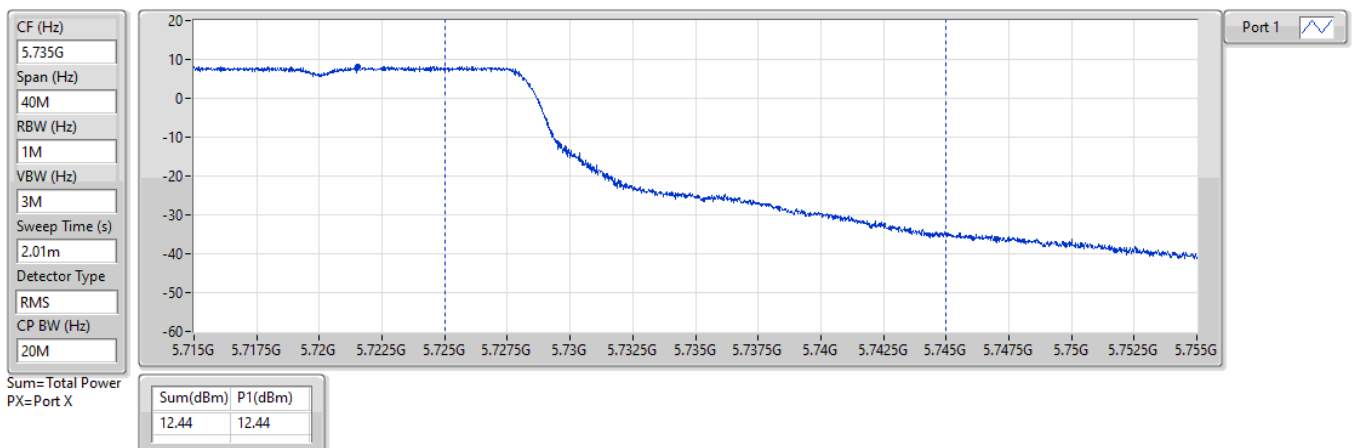


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

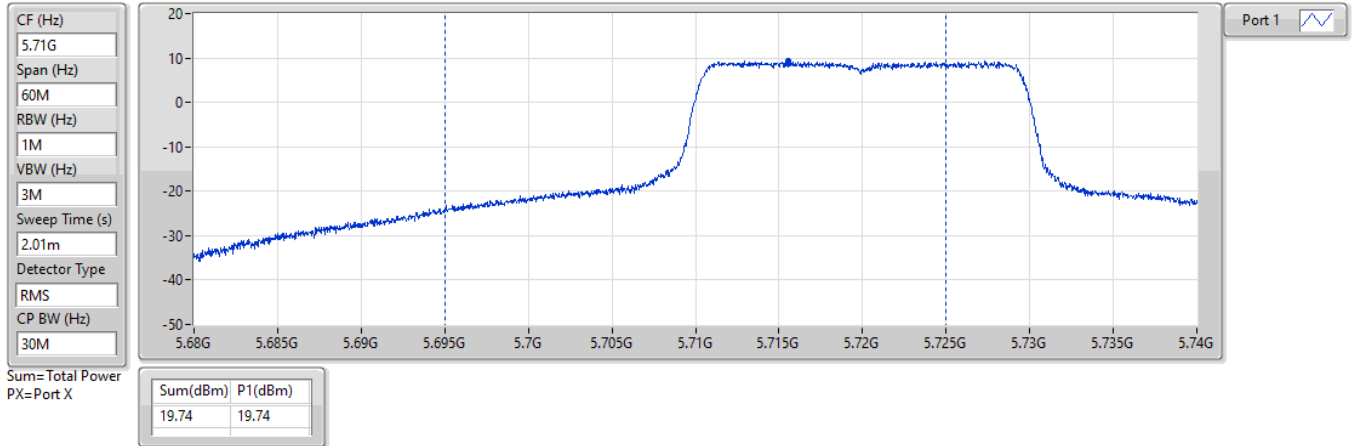


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

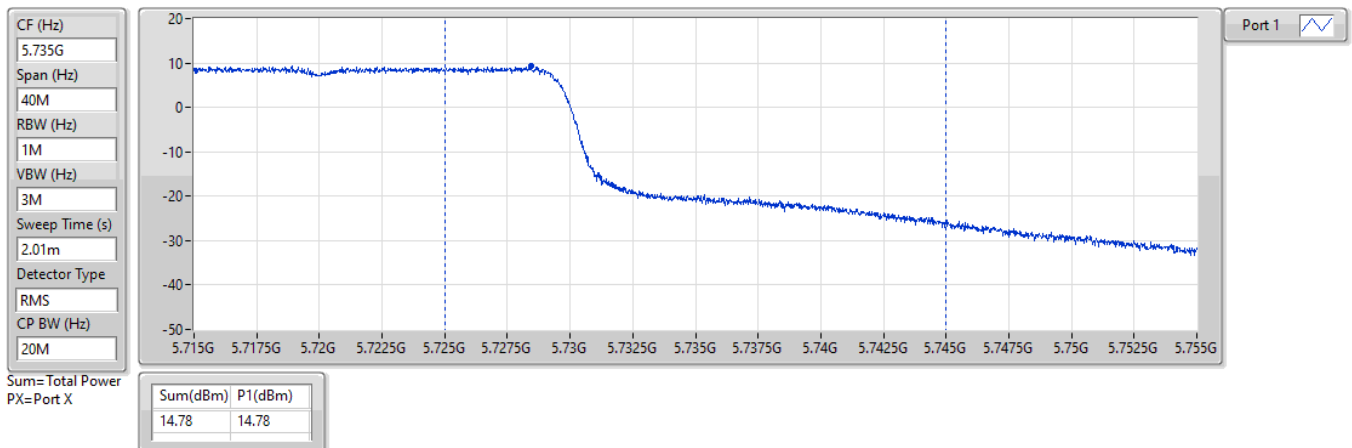


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

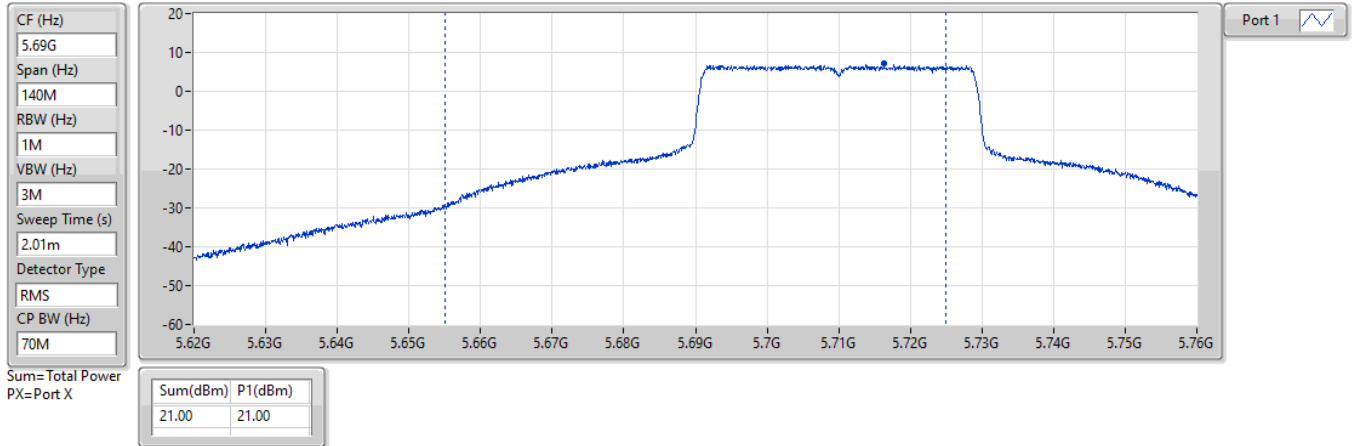


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

20/04/2024

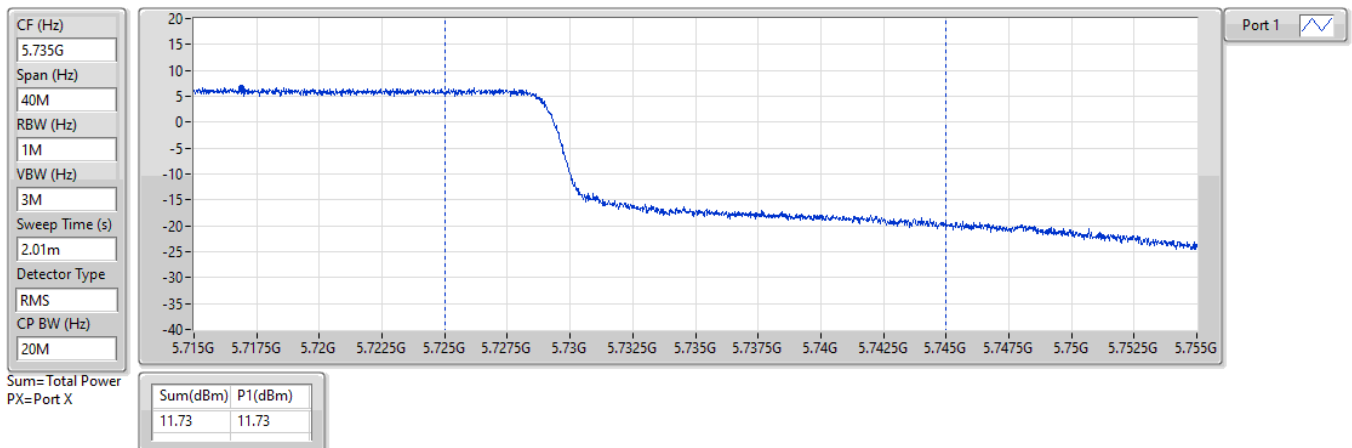


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

20/04/2024

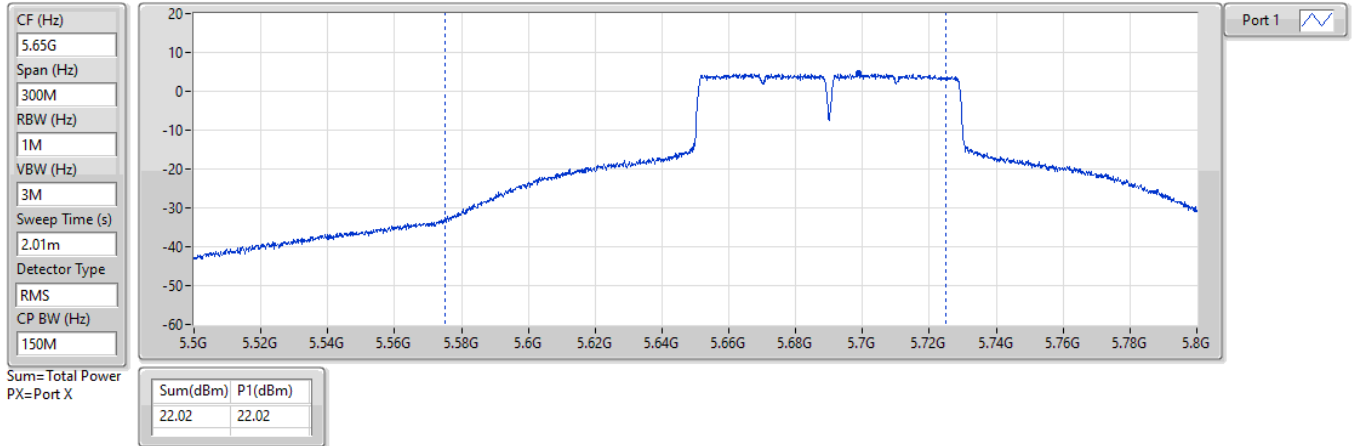


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

20/04/2024

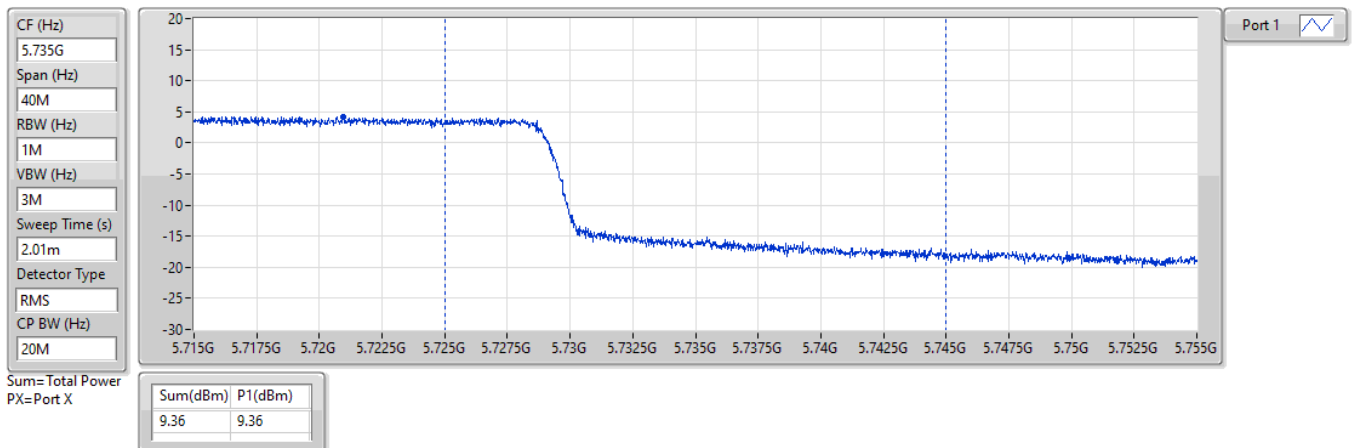


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

20/04/2024

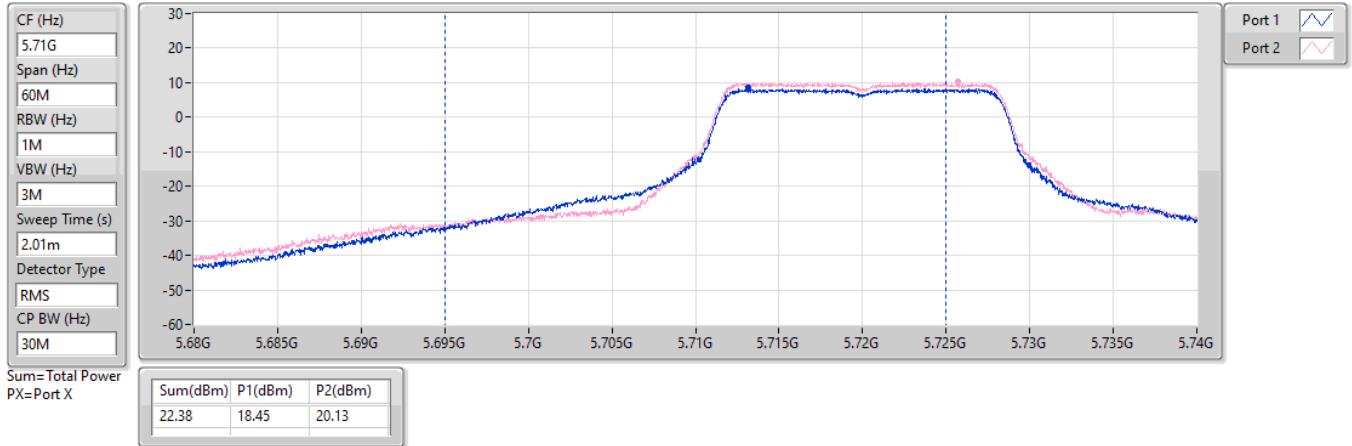


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

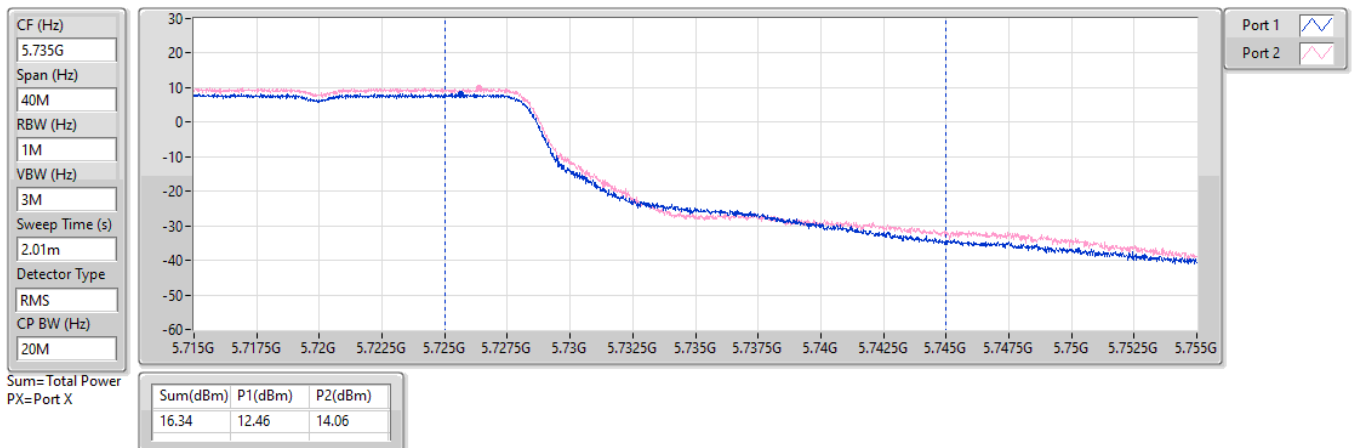


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

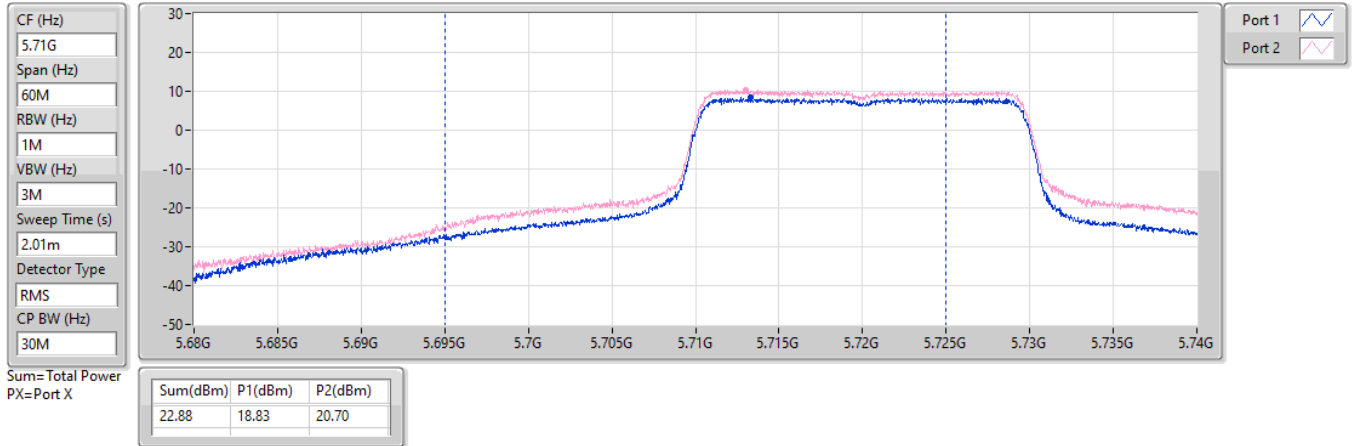


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

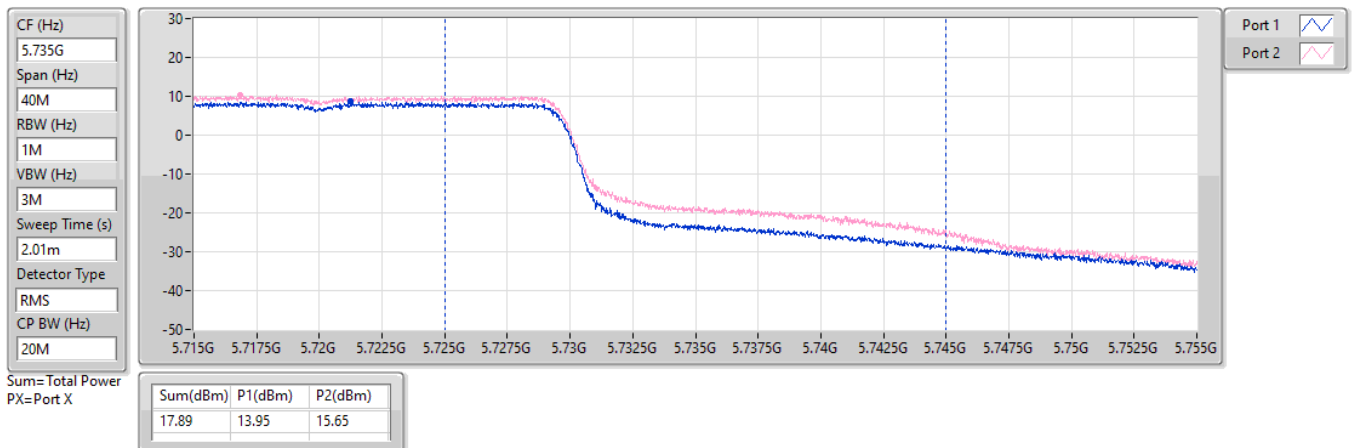


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

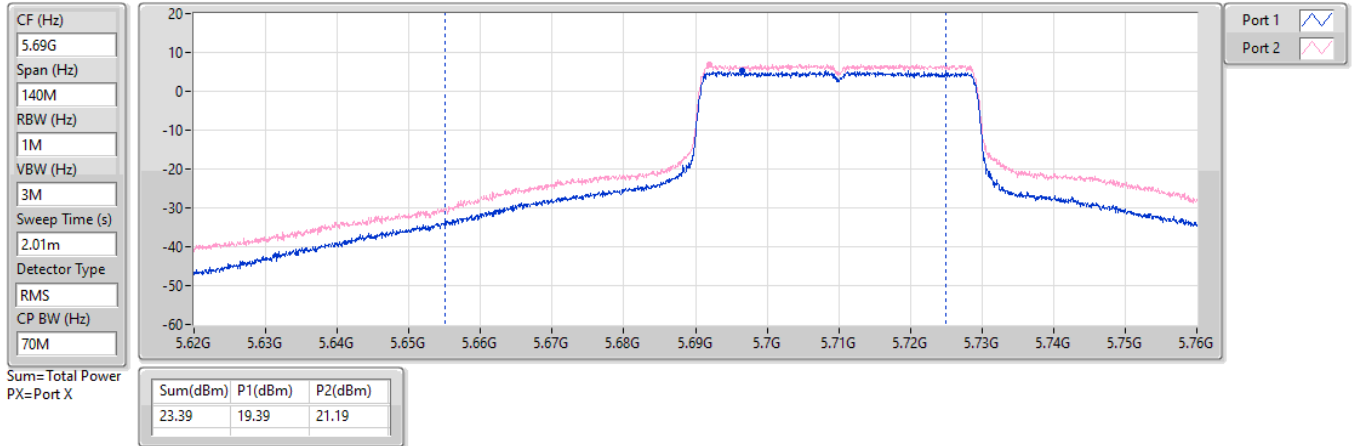


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

20/04/2024

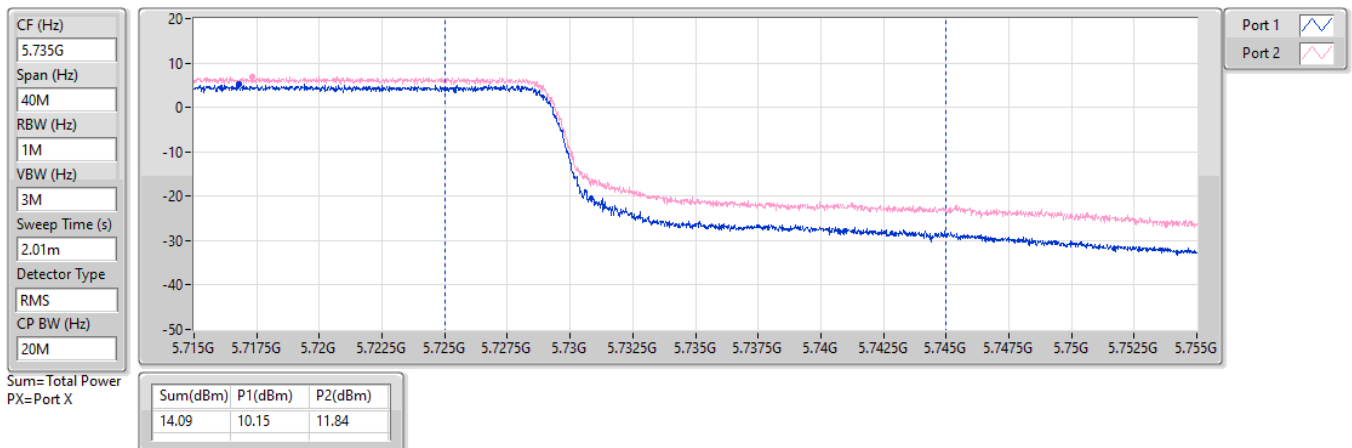


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

20/04/2024

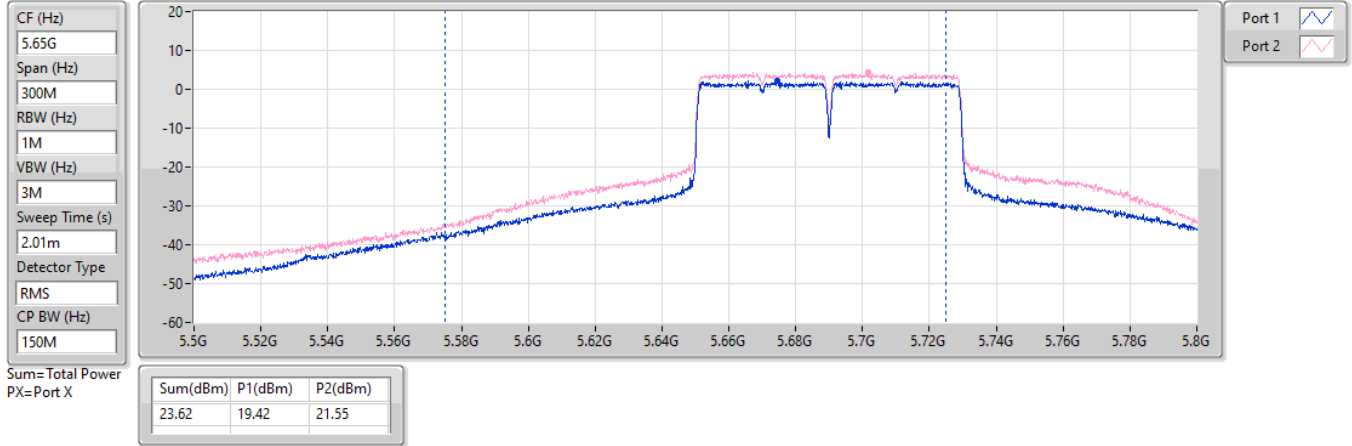


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

20/04/2024

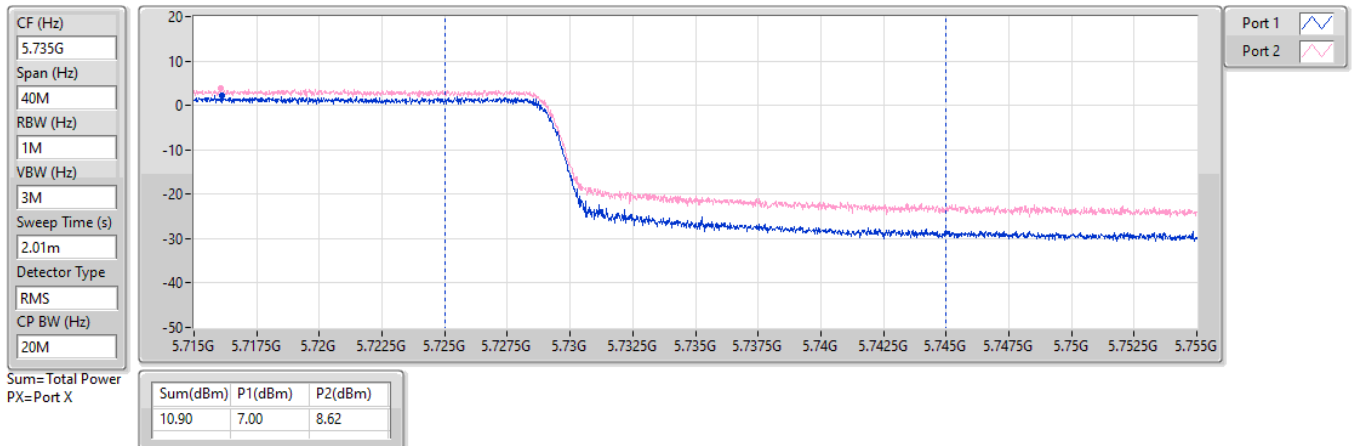


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_2TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

20/04/2024

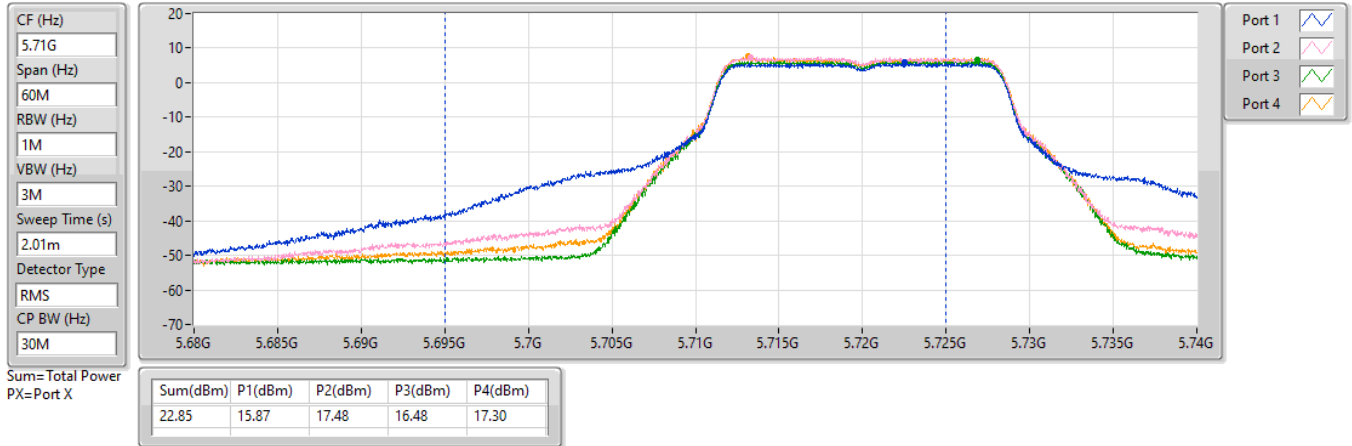


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

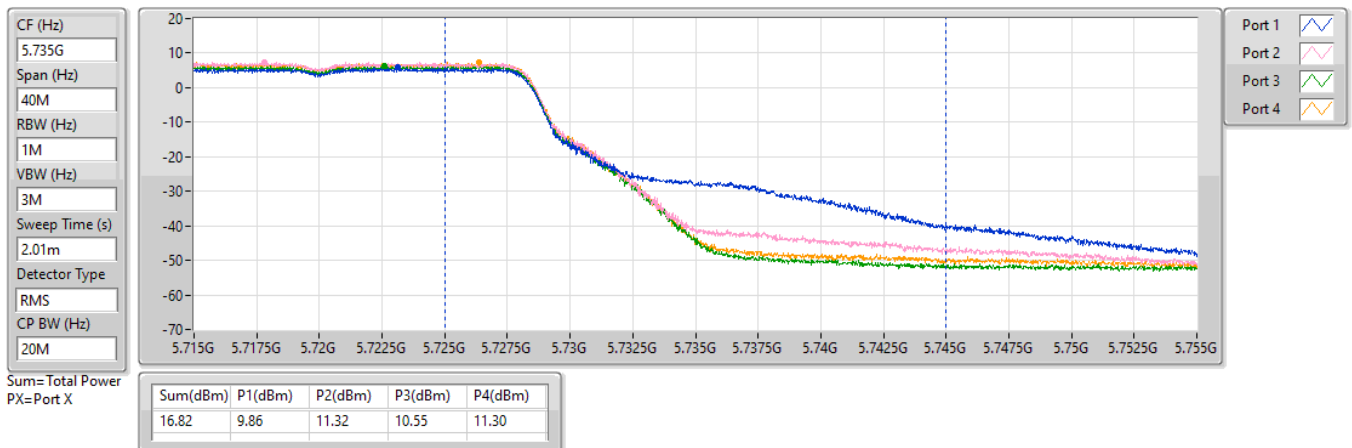


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

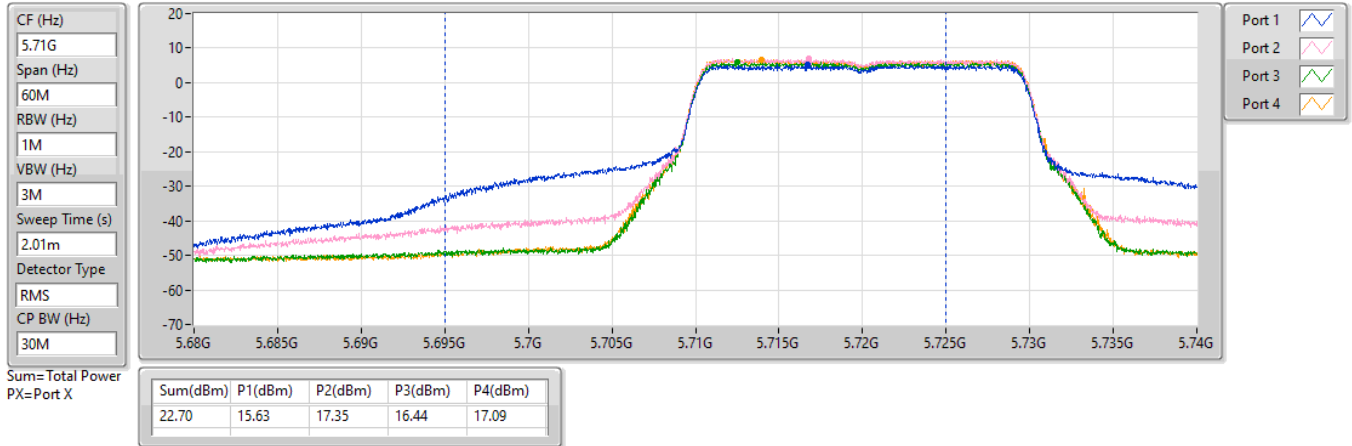


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

20/04/2024

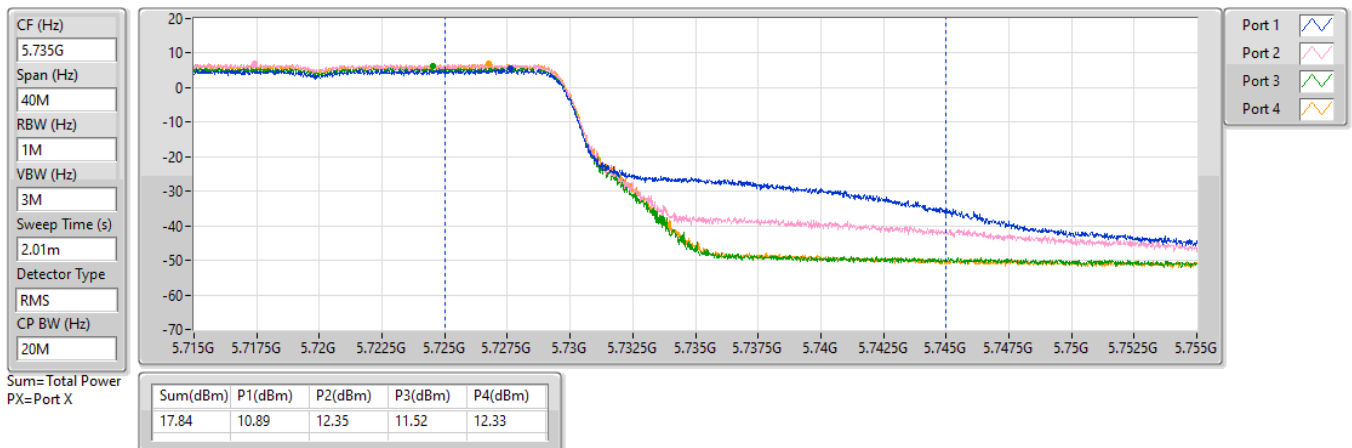


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

20/04/2024

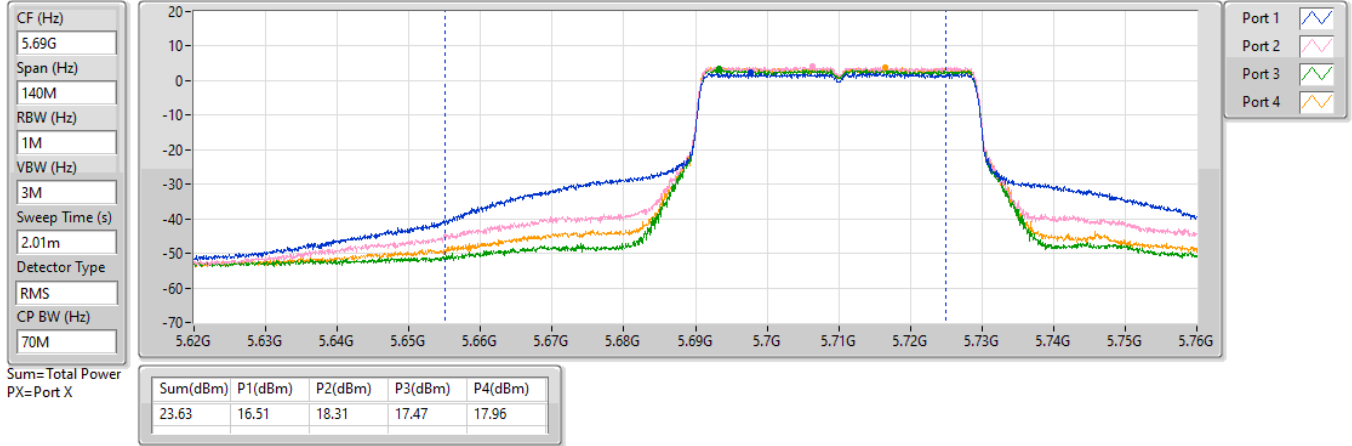


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

20/04/2024

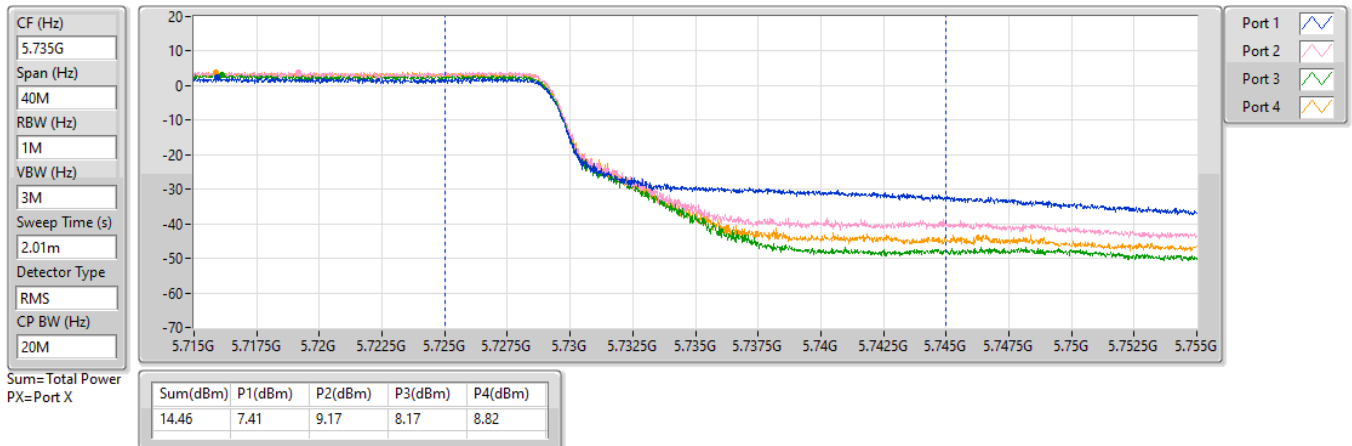


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

20/04/2024

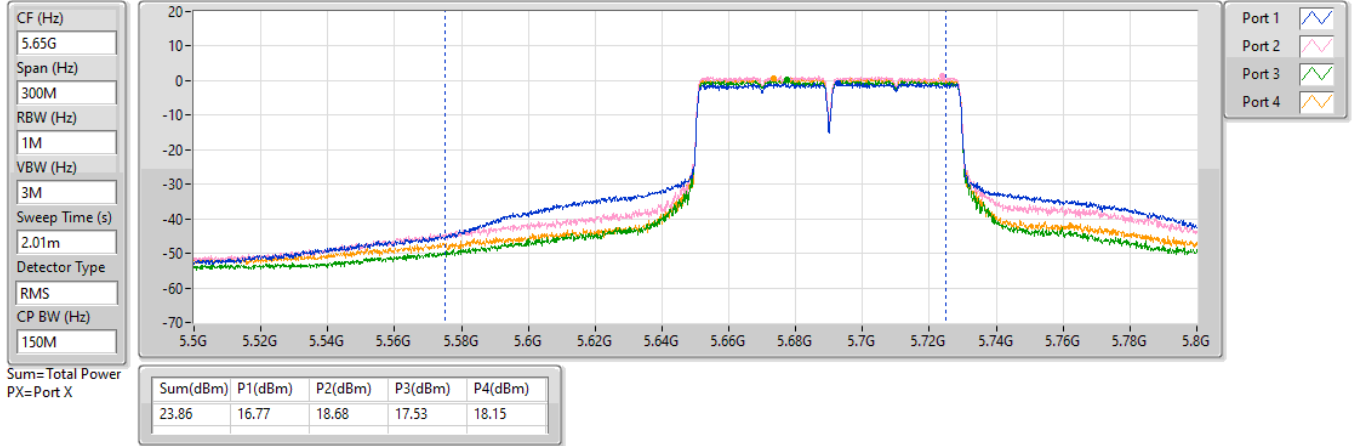


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

20/04/2024

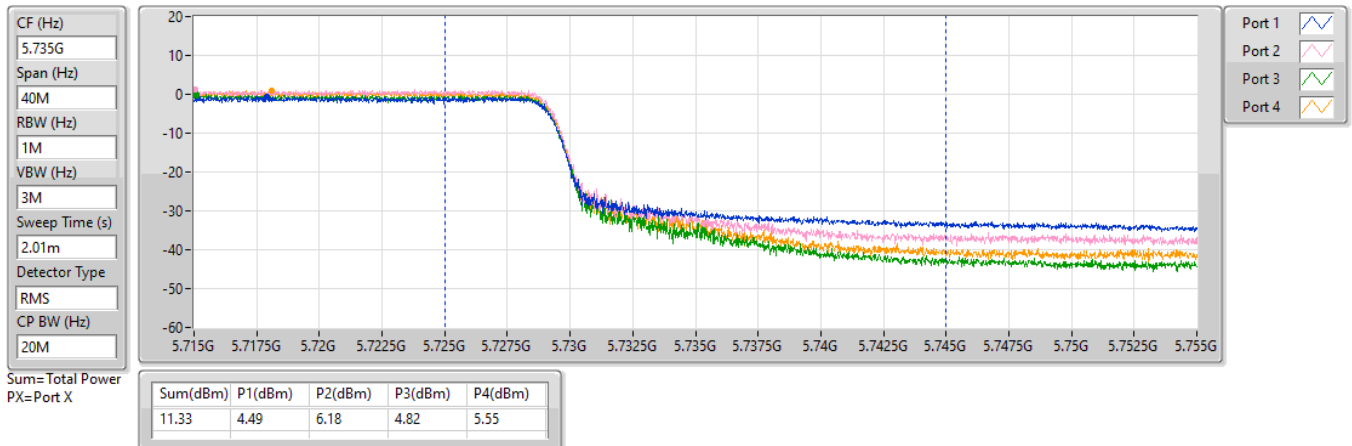


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

20/04/2024





Test Mode: Mode 2

Summary

Mode	Total Power (dBm)	Total Power (W)
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	22.28	0.16904
802.11ax HEW20_Nss1,(MCS0)_1TX	22.63	0.18323
802.11ax HEW40_Nss1,(MCS0)_1TX	22.60	0.18197
802.11ax HEW80_Nss1,(MCS0)_1TX	22.59	0.18155
802.11ax HEW160_Nss1,(MCS0)_1TX	19.01	0.07962
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	15.13	0.03258
802.11ax HEW20_Nss1,(MCS0)_1TX	15.81	0.03811
802.11ax HEW40_Nss1,(MCS0)_1TX	12.28	0.01690
802.11ax HEW80_Nss1,(MCS0)_1TX	8.80	0.00759

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5500MHz	Pass	5.67	19.62	19.62	23.98
5580MHz	Pass	5.67	22.28	22.28	23.98
5700MHz	Pass	5.67	18.97	18.97	23.77
5720MHz Straddle 5.47-5.725GHz	Pass	5.67	21.66	21.66	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.75	15.13	15.13	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5500MHz	Pass	5.67	19.20	19.20	23.98
5580MHz	Pass	5.67	22.63	22.63	23.98
5700MHz	Pass	5.67	18.68	18.68	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.67	21.47	21.47	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	4.75	15.81	15.81	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5510MHz	Pass	5.67	18.49	18.49	23.98
5550MHz	Pass	5.67	22.22	22.22	23.98
5670MHz	Pass	5.67	19.37	19.37	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.67	22.60	22.60	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.75	12.28	12.28	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5530MHz	Pass	5.67	17.60	17.60	23.98
5610MHz	Pass	5.67	21.11	21.11	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.67	22.59	22.59	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.75	8.80	8.80	30.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5570MHz	Pass	5.67	19.01	19.01	23.98

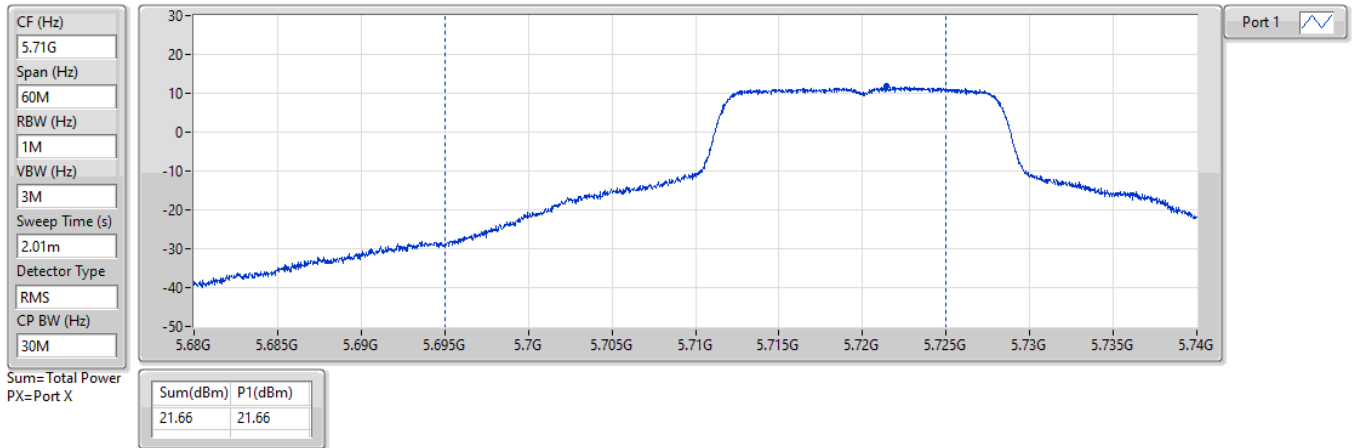
DG = Directional Gain; Port X = Port X output power
 Inf = There's no restriction for the limit.

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

26/04/2024

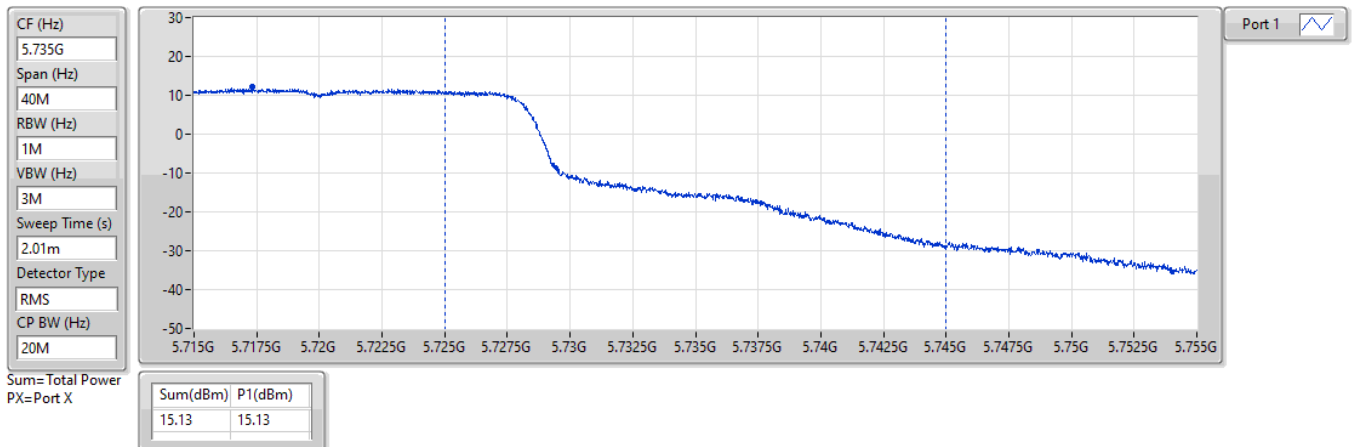


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

26/04/2024

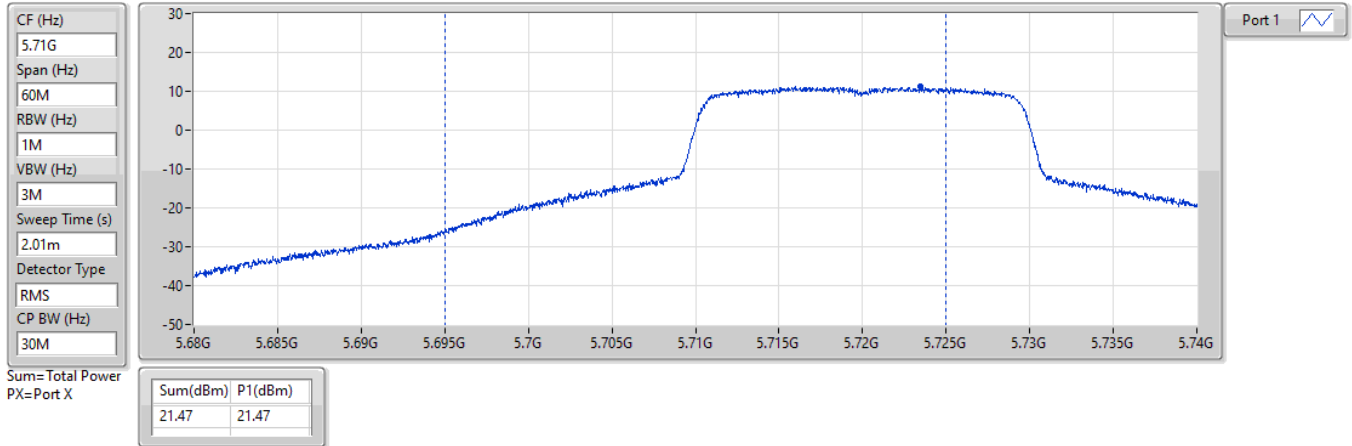


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

26/04/2024

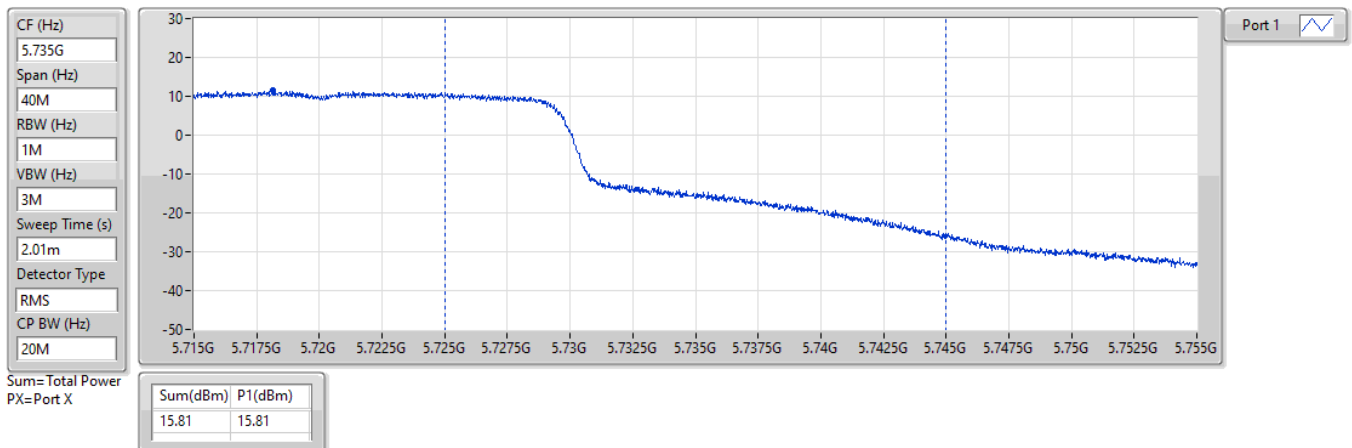


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

26/04/2024

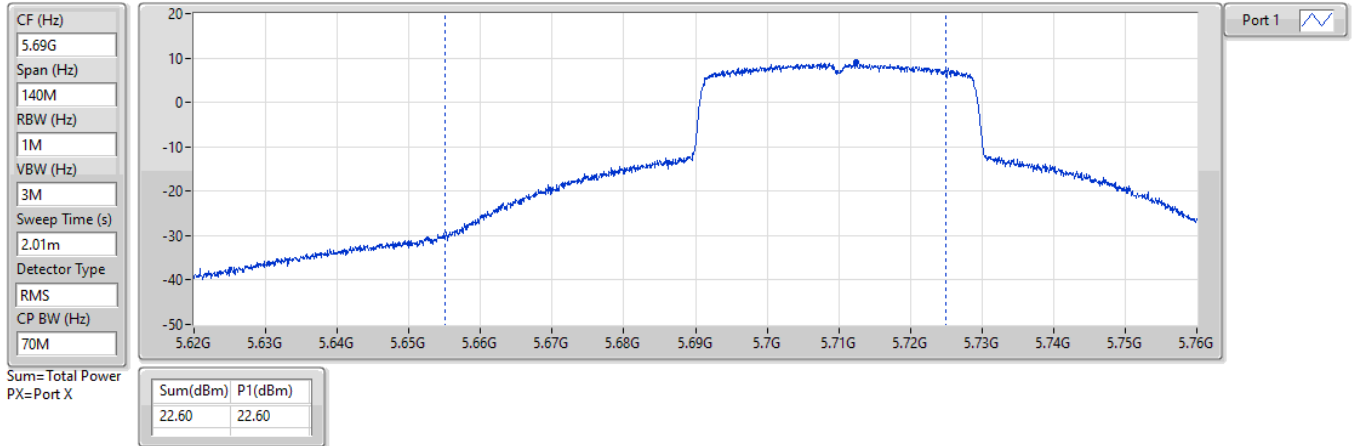


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

26/04/2024

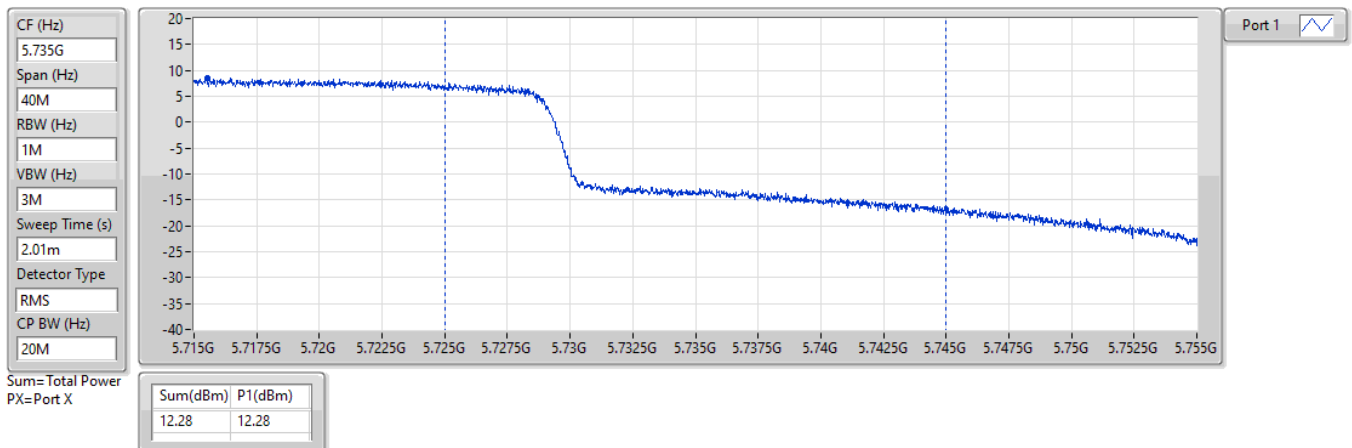


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

26/04/2024

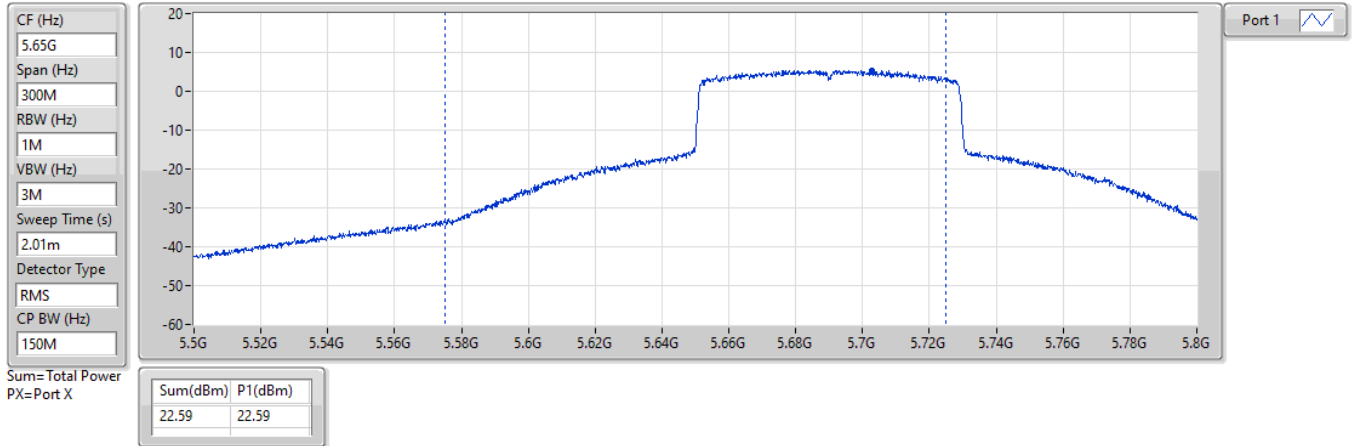


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

26/04/2024

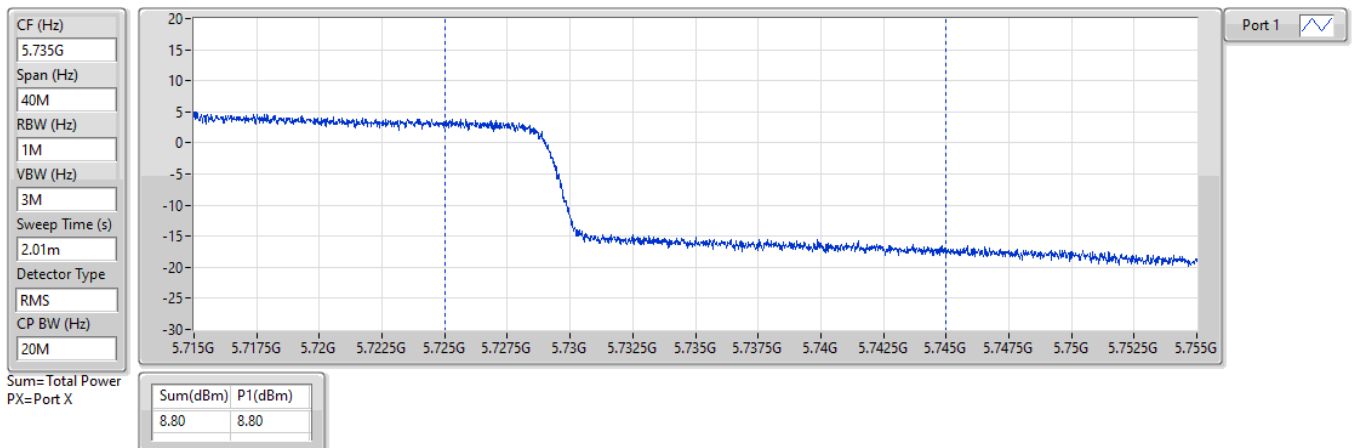


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

26/04/2024



Test Mode: Mode 1

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.23
802.11a_Nss1,(6Mbps)_2TX	10.61
802.11a_Nss1,(6Mbps)_4TX	10.66
802.11be EHT20_Nss1,(MCS0)_1TX	7.28
802.11be EHT20_Nss1,(MCS0)_2TX	10.44
802.11be EHT20_Nss1,(MCS0)_4TX	10.23
802.11be EHT40_Nss1,(MCS0)_1TX	4.77
802.11be EHT40_Nss1,(MCS0)_2TX	7.30
802.11be EHT40_Nss1,(MCS0)_4TX	7.41
802.11be EHT80_Nss1,(MCS14)_1TX	2.47
802.11be EHT80_Nss1,(MCS14)_2TX	4.02
802.11be EHT80_Nss1,(MCS14)_4TX	4.30
802.11be EHT160_Nss1,(MCS14)_1TX	-8.87
802.11be EHT160_Nss1,(MCS14)_2TX	-4.10
802.11be EHT160_Nss1,(MCS14)_4TX	0.37
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	4.73
802.11a_Nss1,(6Mbps)_2TX	8.56
802.11a_Nss1,(6Mbps)_4TX	9.03
802.11be EHT20_Nss1,(MCS0)_1TX	5.66
802.11be EHT20_Nss1,(MCS0)_2TX	8.76
802.11be EHT20_Nss1,(MCS0)_4TX	8.69
802.11be EHT40_Nss1,(MCS0)_1TX	3.02
802.11be EHT40_Nss1,(MCS0)_2TX	5.44
802.11be EHT40_Nss1,(MCS0)_4TX	5.65
802.11be EHT80_Nss1,(MCS14)_1TX	0.61
802.11be EHT80_Nss1,(MCS14)_2TX	2.19
802.11be EHT80_Nss1,(MCS14)_4TX	2.70

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	4.67	-	-	-	4.67	11.00
5580MHz	Pass	3.93	4.59	-	-	-	4.59	11.00
5700MHz	Pass	3.93	3.69	-	-	-	3.69	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	6.23	-	-	-	6.23	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	4.73	-	-	-	4.73	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	2.41	-	-	-	2.41	11.00
5580MHz	Pass	3.93	5.42	-	-	-	5.42	11.00
5700MHz	Pass	3.93	3.19	-	-	-	3.19	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	7.28	-	-	-	7.28	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	5.66	-	-	-	5.66	30.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	-2.59	-	-	-	-2.59	11.00
5550MHz	Pass	3.93	4.22	-	-	-	4.22	11.00
5670MHz	Pass	3.93	2.18	-	-	-	2.18	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	4.77	-	-	-	4.77	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	3.02	-	-	-	3.02	30.00
802.11be EHT80_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	-1.76	-	-	-	-1.76	11.00
5610MHz	Pass	3.93	0.04	-	-	-	0.04	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	2.47	-	-	-	2.47	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	0.61	-	-	-	0.61	30.00
802.11be EHT160_Nss1,(MCS14)_1TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	-8.87	-	-	-	-8.87	11.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	3.43	5.96	-	-	7.84	11.00
5580MHz	Pass	3.93	6.50	8.53	-	-	10.61	11.00
5700MHz	Pass	3.93	3.78	6.39	-	-	8.25	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	6.28	8.03	-	-	10.23	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	4.75	6.36	-	-	8.56	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5500MHz	Pass	3.93	3.13	5.54	-	-	7.46	11.00
5580MHz	Pass	3.93	5.10	7.17	-	-	9.27	11.00
5700MHz	Pass	3.93	4.88	5.29	-	-	8.06	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.93	6.40	8.30	-	-	10.44	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	3.91	4.76	6.56	-	-	8.76	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5510MHz	Pass	3.93	-2.88	-1.88	-	-	0.58	11.00
5550MHz	Pass	3.93	2.96	5.34	-	-	7.30	11.00
5670MHz	Pass	3.93	0.38	3.00	-	-	4.83	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.93	3.23	5.00	-	-	7.20	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	3.91	1.52	3.26	-	-	5.44	30.00
802.11be EHT80_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5530MHz	Pass	3.93	-5.92	-4.70	-	-	-2.32	11.00
5610MHz	Pass	3.93	-0.96	0.92	-	-	3.01	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	-0.17	2.02	-	-	4.02	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	-1.71	-0.04	-	-	2.19	30.00
802.11be EHT160_Nss1,(MCS14)_2TX	-	-	-	-	-	-	-	-
5570MHz	Pass	3.93	-7.76	-6.47	-	-	-4.10	11.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.57	2.74	5.54	3.53	4.70	10.17	11.00
5580MHz	Pass	5.57	3.61	5.80	4.20	4.66	10.60	11.00
5700MHz	Pass	5.57	2.95	5.51	3.83	4.63	10.28	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.57	3.71	5.32	4.28	5.25	10.66	11.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5720MHz Straddle 5.725-5.85GHz	Pass	4.69	2.10	3.59	2.81	3.62	9.03	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5500MHz	Pass	5.57	2.33	5.11	3.01	4.20	9.75	11.00
5580MHz	Pass	5.57	2.79	4.86	3.19	3.81	9.72	11.00
5700MHz	Pass	5.57	2.50	2.62	2.91	3.37	8.83	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.57	3.20	4.97	3.94	4.84	10.23	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.69	1.78	3.22	2.41	3.31	8.69	30.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5510MHz	Pass	5.57	-4.23	-2.31	-3.13	-2.44	2.94	11.00
5550MHz	Pass	5.57	-0.33	1.92	0.70	0.97	6.84	11.00
5670MHz	Pass	5.57	-0.46	1.99	0.26	0.97	6.75	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.57	0.41	2.13	1.23	1.78	7.41	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.69	-1.22	0.53	-0.58	0.03	5.65	30.00
802.11be EHT80_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.57	-3.66	-1.75	-1.87	-1.53	3.82	11.00
5610MHz	Pass	5.57	-2.66	-1.50	-2.72	-2.08	3.68	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.57	-2.70	-0.74	-1.96	-1.28	4.30	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.69	-4.22	-2.39	-3.78	-2.90	2.70	30.00
802.11be EHT160_Nss1,(MCS14)_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	5.57	-6.86	-5.17	-5.34	-5.07	0.37	11.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

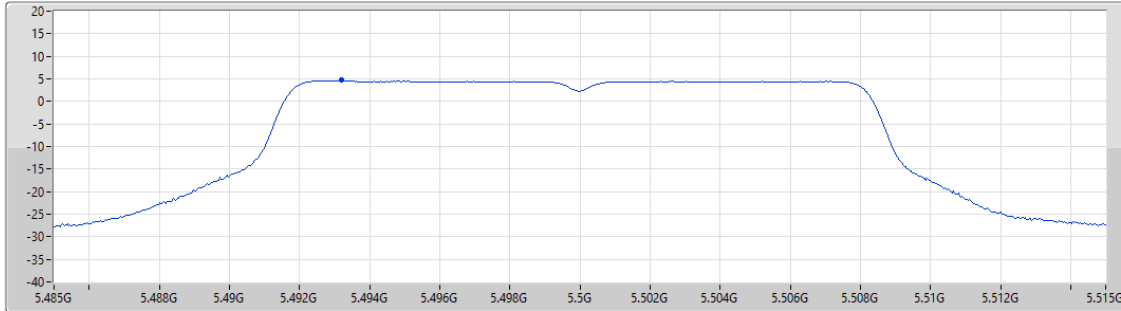
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

20/04/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
19.952
Detector Type
RMS



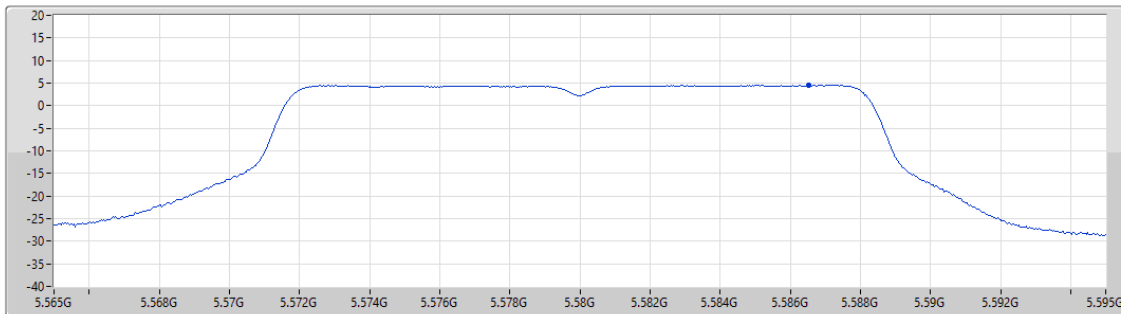
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

20/04/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
19.952
Detector Type
RMS

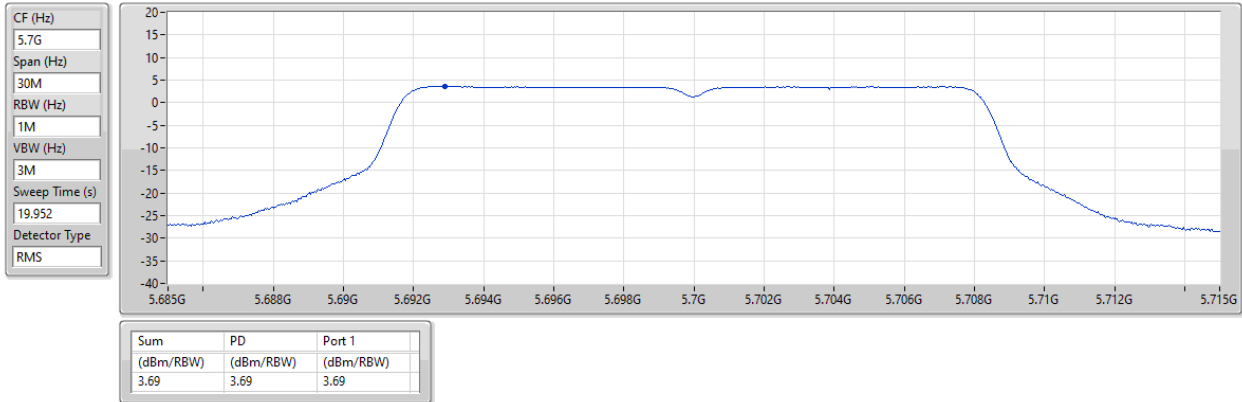


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5700MHz

20/04/2024

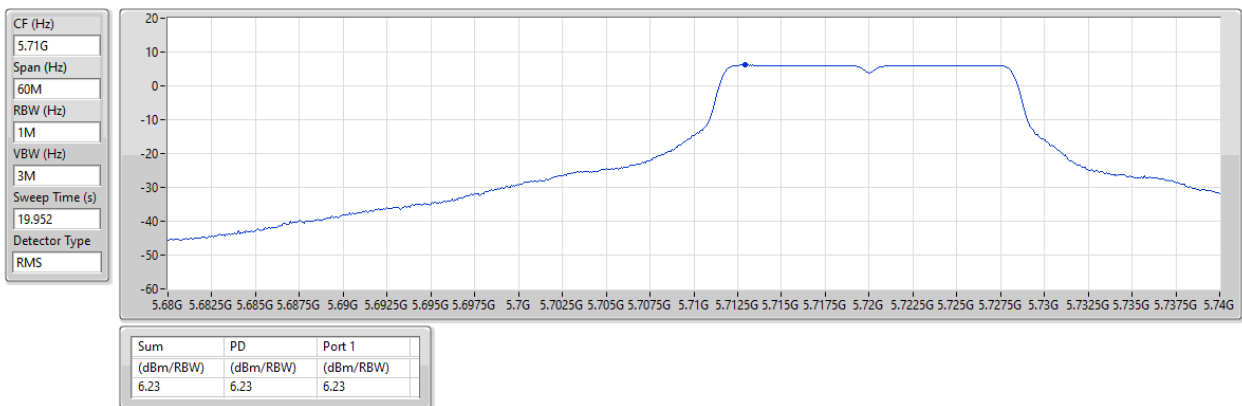


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024

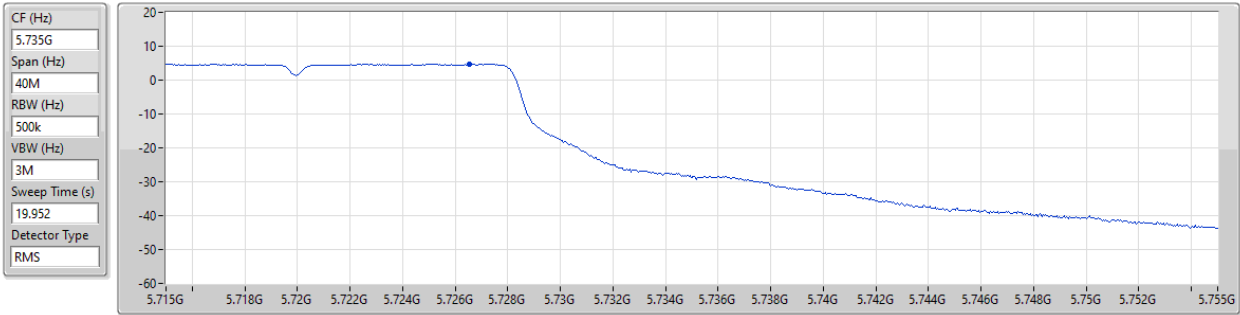


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024



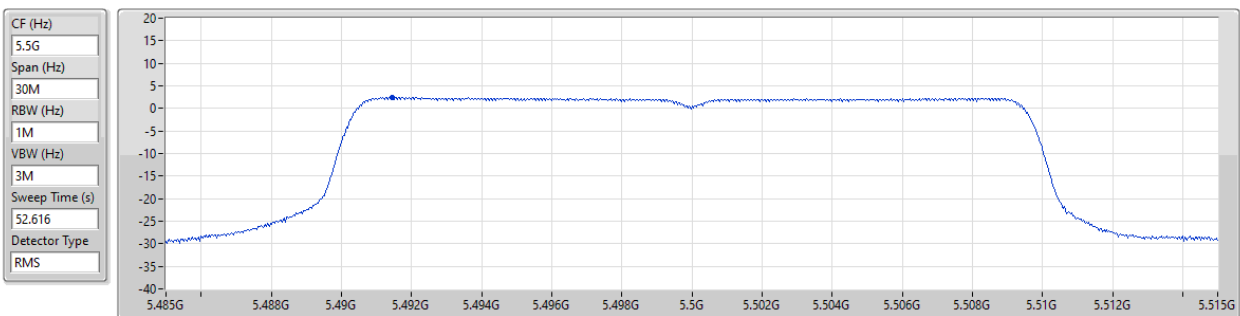
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.73	4.73	4.73

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5500MHz

20/04/2024



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.41	2.41	2.41

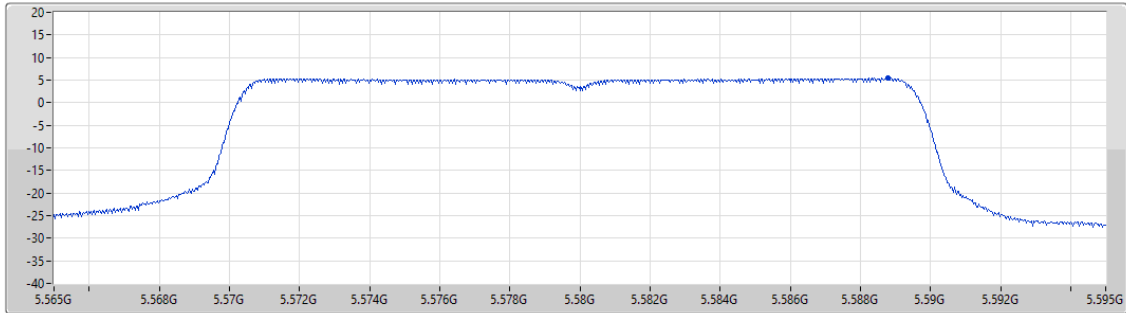
5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5580MHz

20/04/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.616
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.42	5.42	5.42

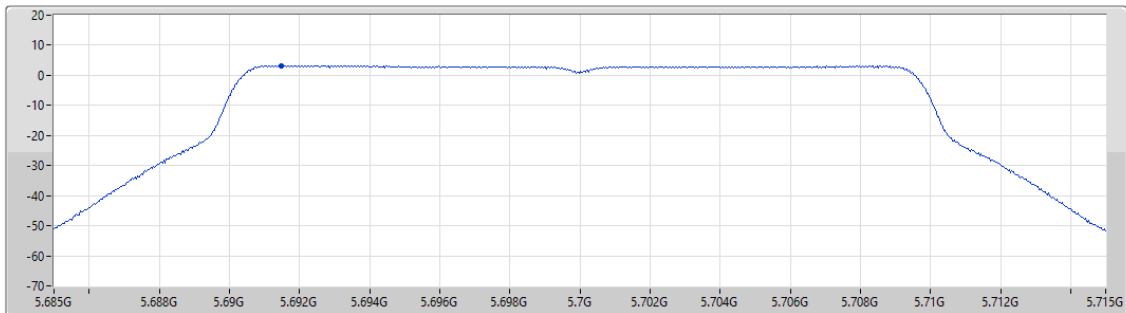
5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5700MHz

06/06/2024

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.616
Detector Type
RMS



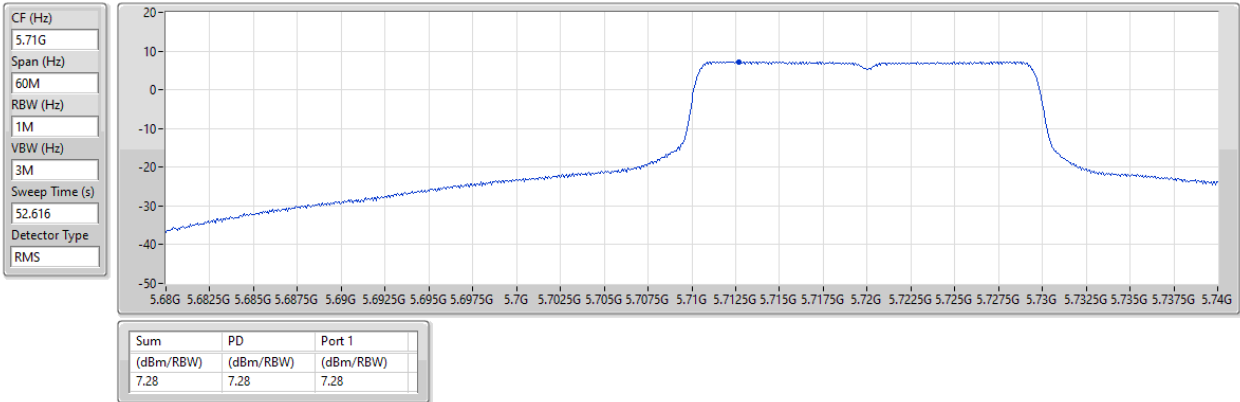
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.19	3.19	3.19

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024

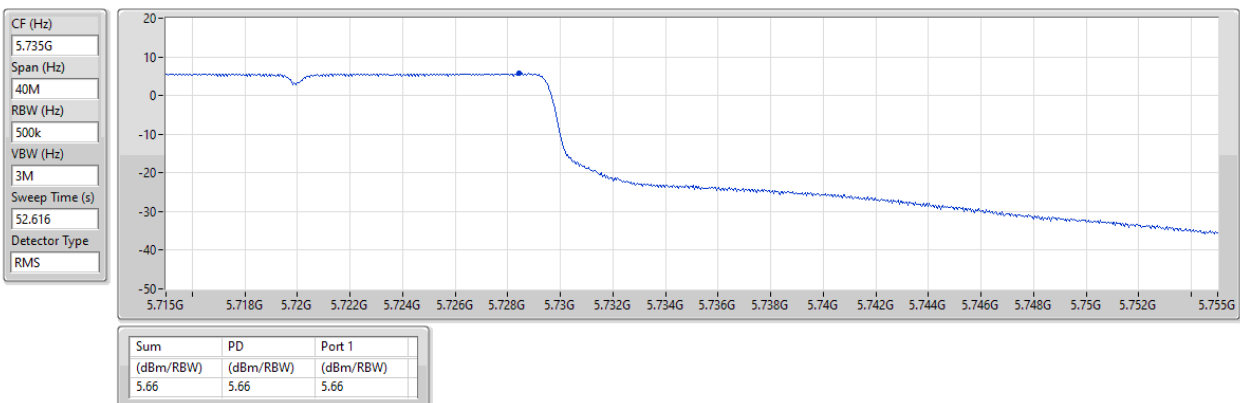


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024

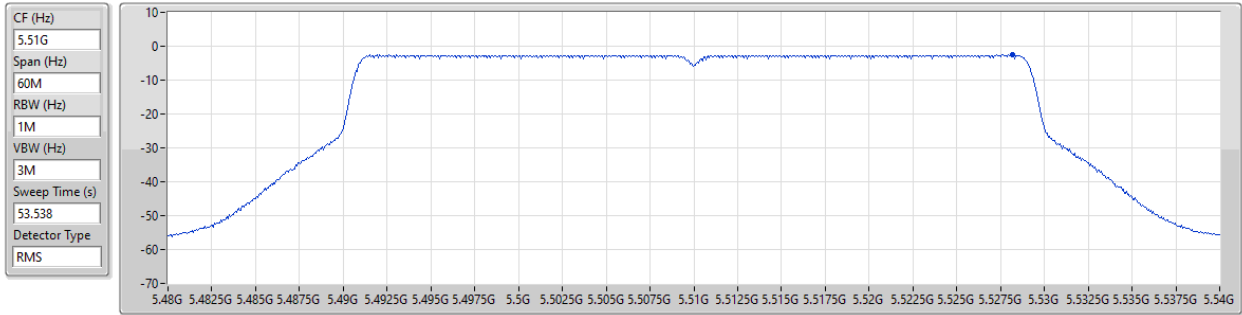


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5510MHz

06/06/2024

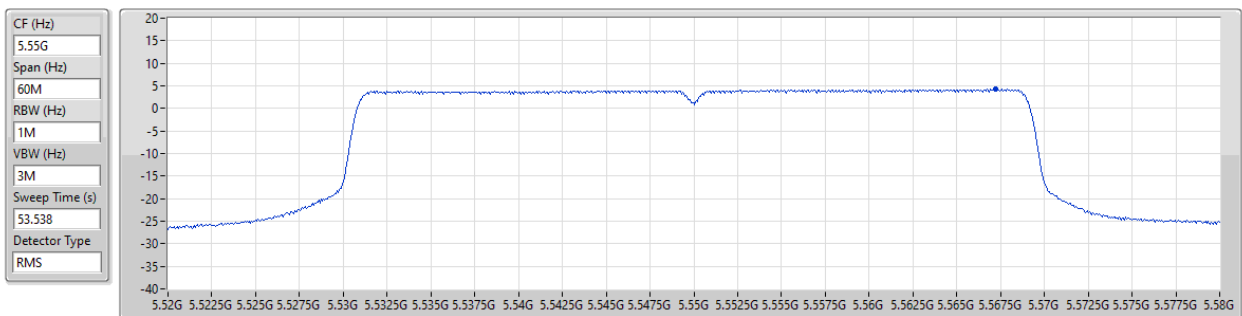


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5550MHz

20/04/2024



5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5670MHz

20/04/2024

CF (Hz)
5.67G

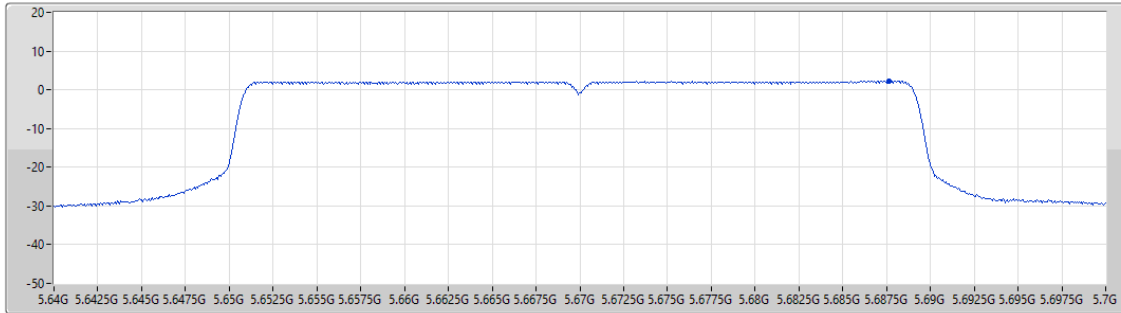
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
53.538

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.18	2.18	2.18

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.47-5.725GHz

20/04/2024

CF (Hz)
5.69G

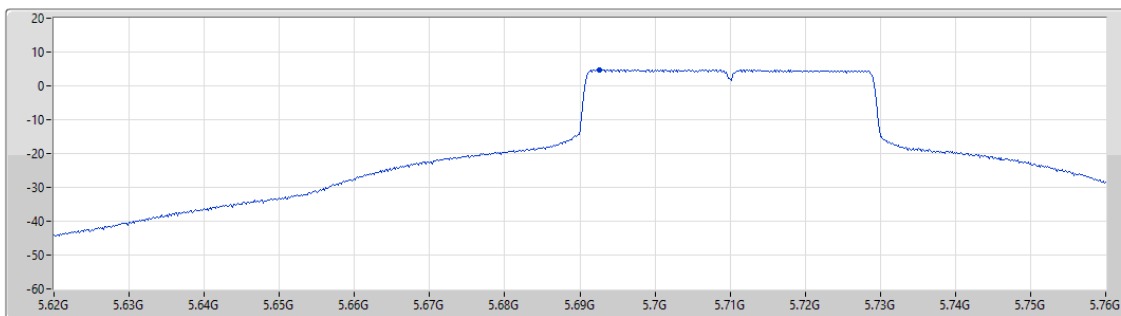
Span (Hz)
140M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
53.538

Detector Type
RMS



Port 1

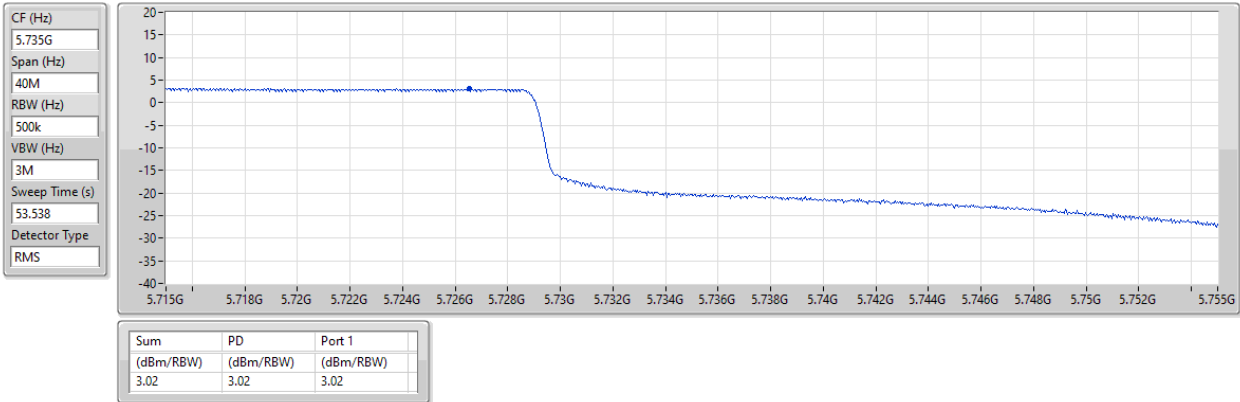
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.77	4.77	4.77

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.725-5.85GHz

20/04/2024

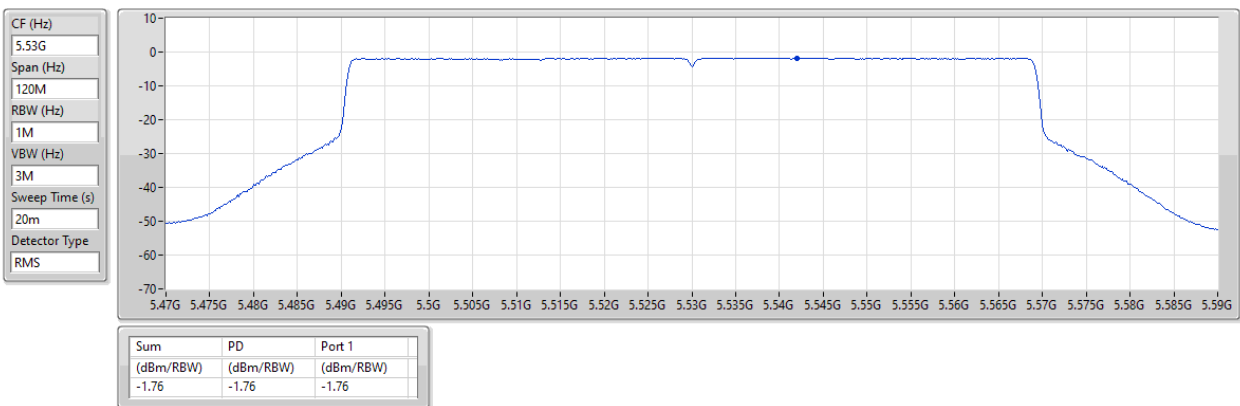


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX

PSD

5530MHz

28/06/2024



5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX

PSD

5610MHz

20/04/2024

CF (Hz)
5.61G

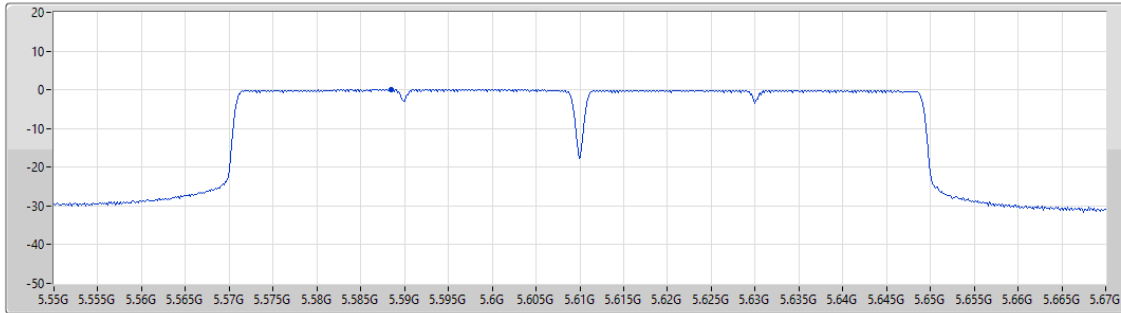
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.772

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.04	0.04	0.04

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/04/2024

CF (Hz)
5.65G

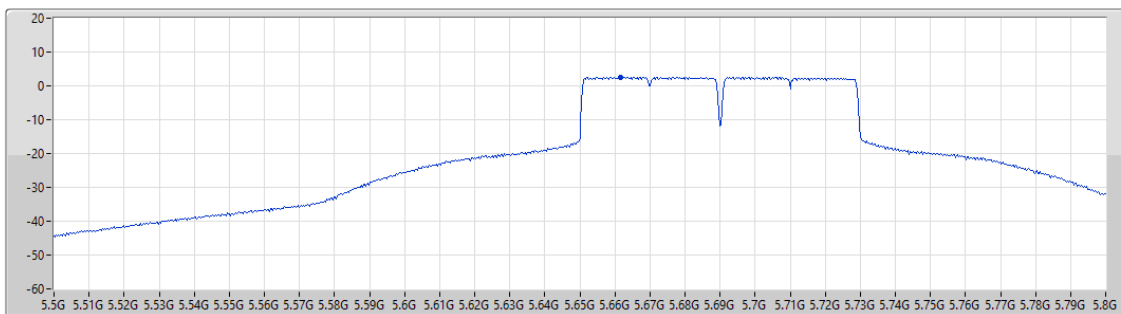
Span (Hz)
300M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.772

Detector Type
RMS



Port 1

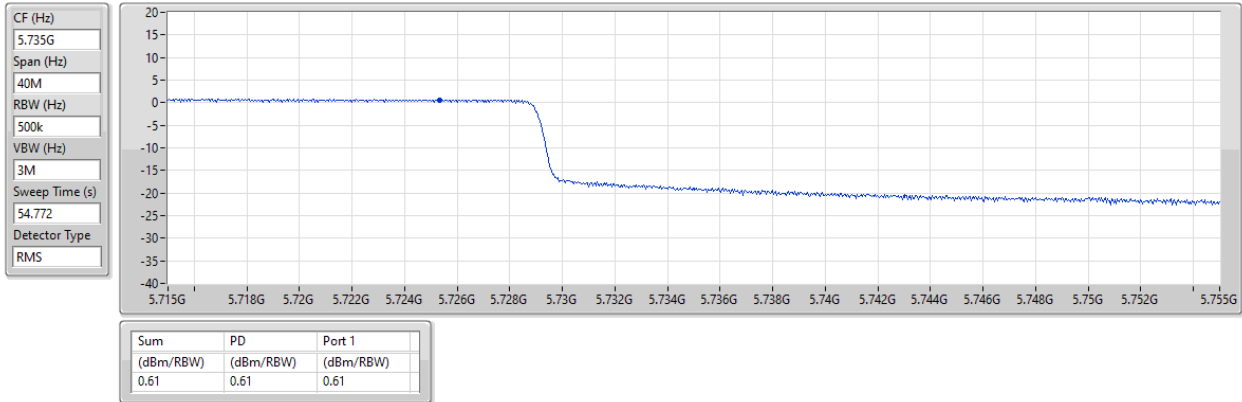
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.47	2.47	2.47

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/04/2024

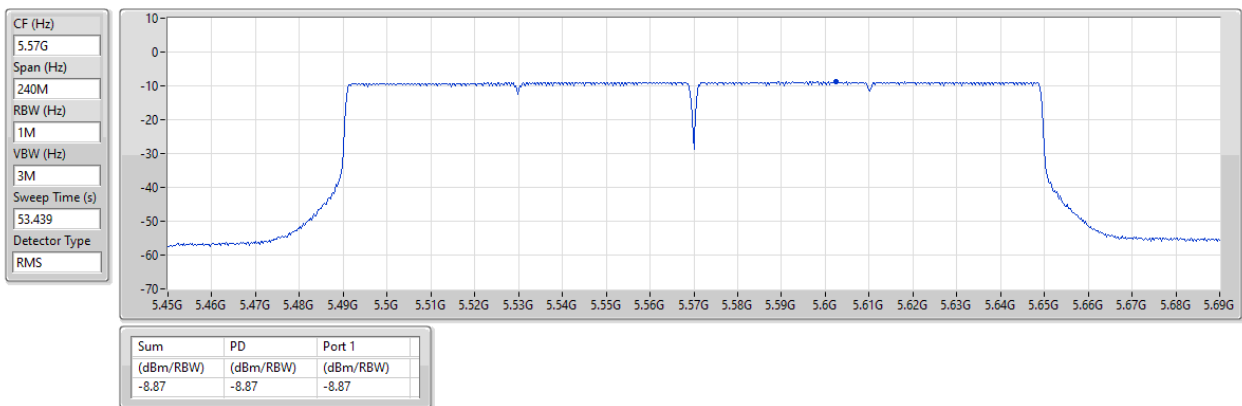


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_1TX

PSD

5570MHz

06/06/2024



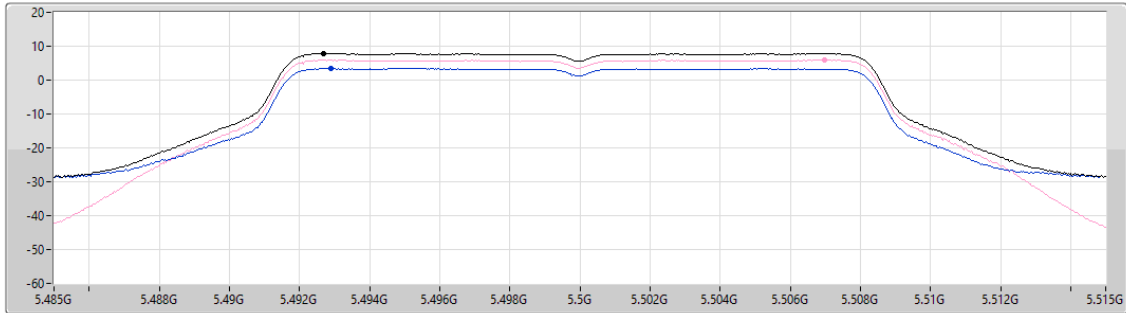
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5500MHz

20/04/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
19.946
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.84	7.84	3.43	5.96

Sum
Port 1
Port 2

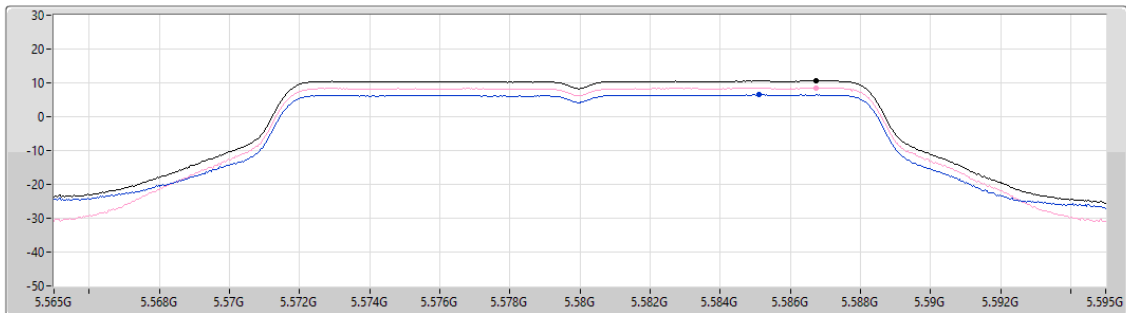
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5580MHz

20/04/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
19.946
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.61	10.61	6.50	8.53

Sum
Port 1
Port 2

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

PSD

5700MHz

20/04/2024

CF (Hz)
5.7G

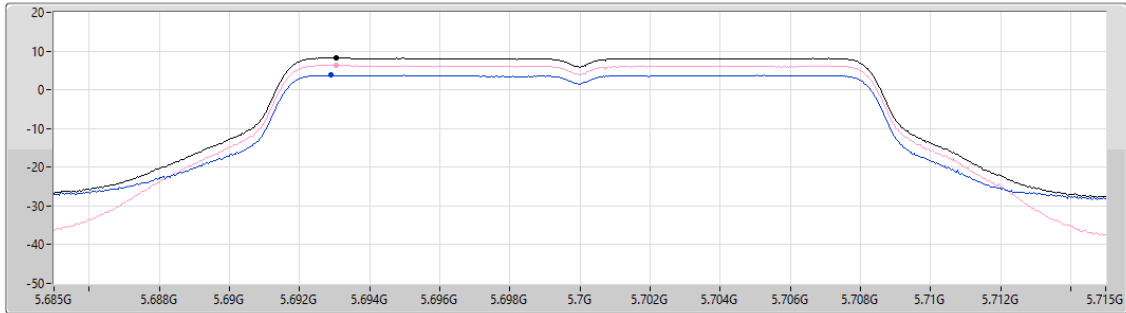
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.946

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.25	8.25	3.78	6.39

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

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024

CF (Hz)
5.71G

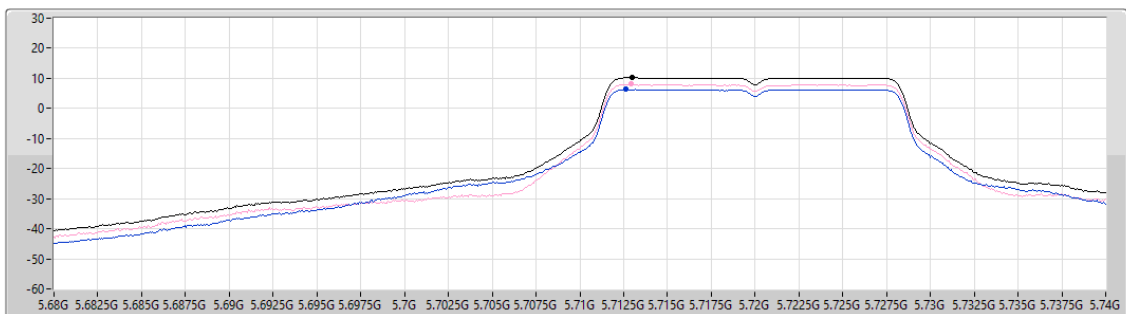
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.946

Detector Type
RMS



Sum 

Port 1 

Port 2 

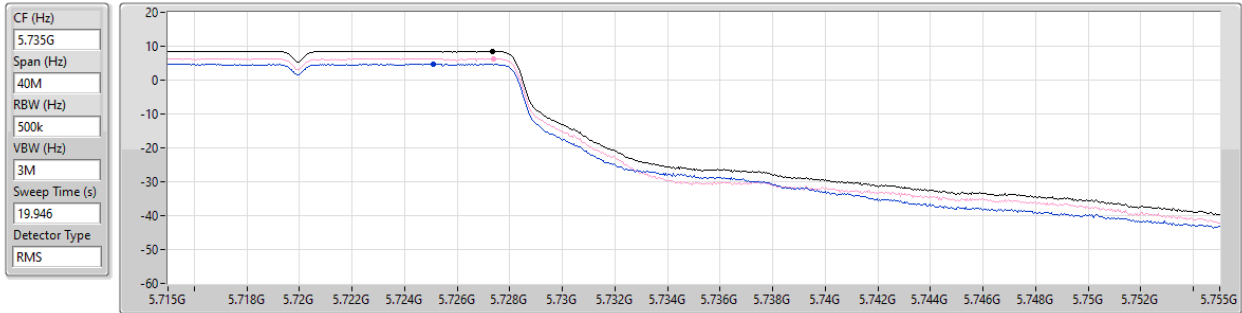
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.23	10.23	6.28	8.03

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

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024



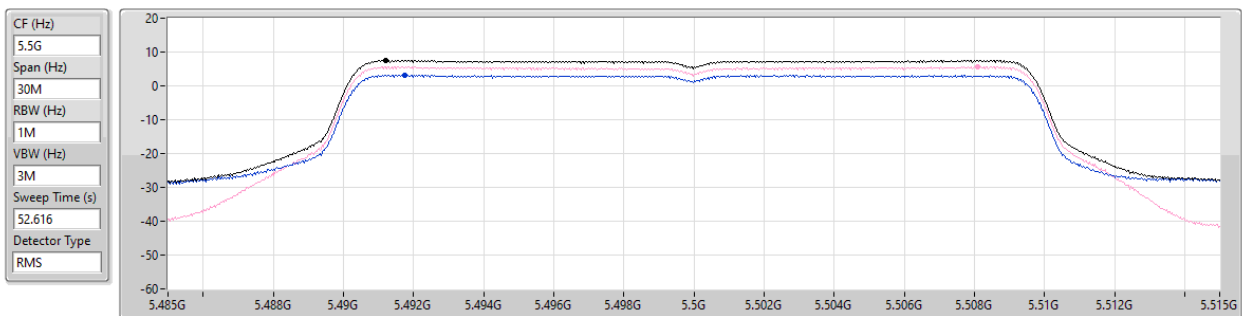
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.56	8.56	4.75	6.36

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5500MHz

20/04/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.46	7.46	3.13	5.54

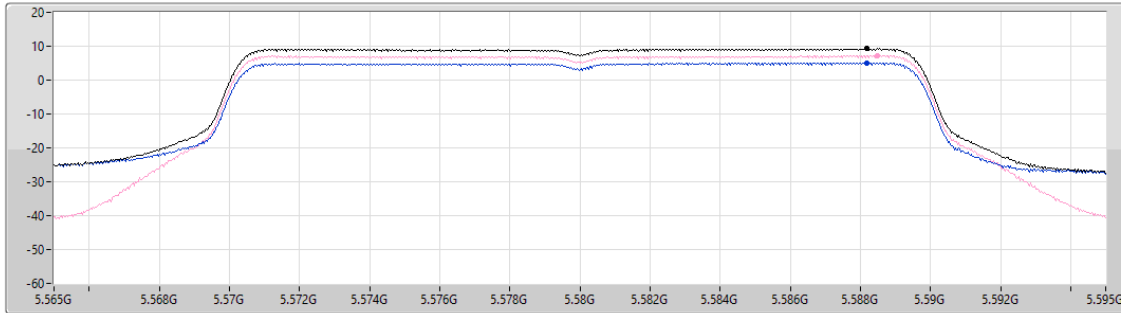
5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5580MHz

20/04/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.616
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.27	9.27	5.10	7.17

Sum
Port 1
Port 2

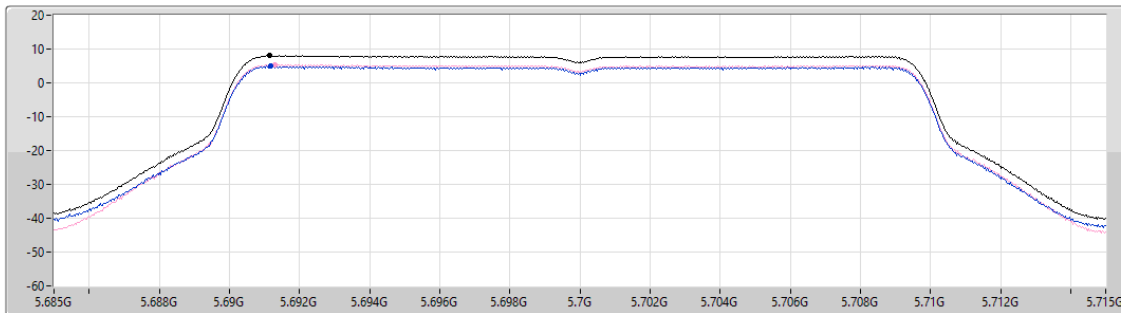
5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5700MHz

06/06/2024

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.616
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.06	8.06	4.88	5.29

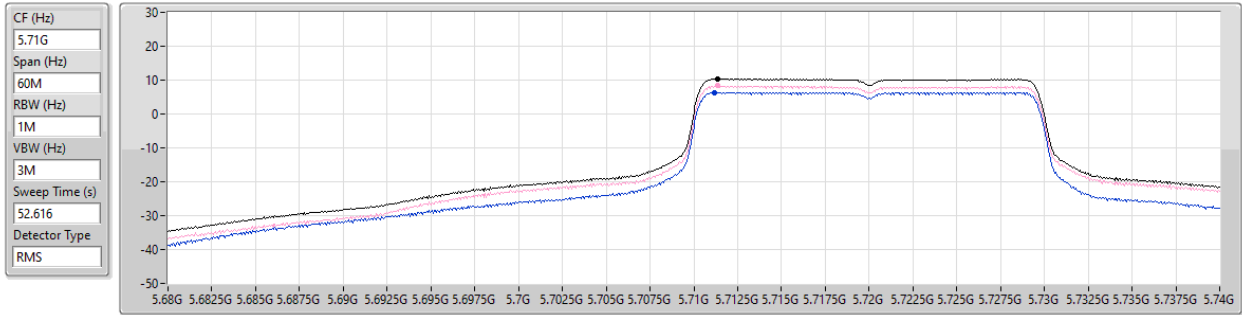
Sum
Port 1
Port 2

5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024



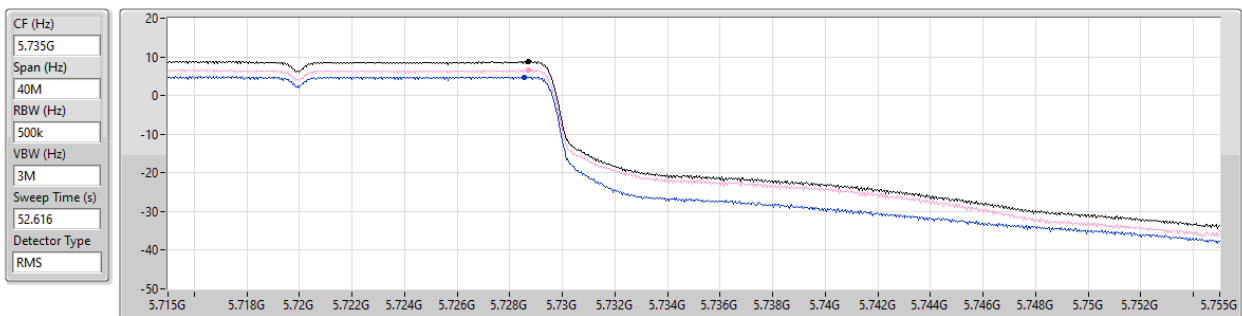
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.44	10.44	6.40	8.30

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.76	8.76	4.76	6.56

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5510MHz

06/06/2024

CF (Hz)
5.51G

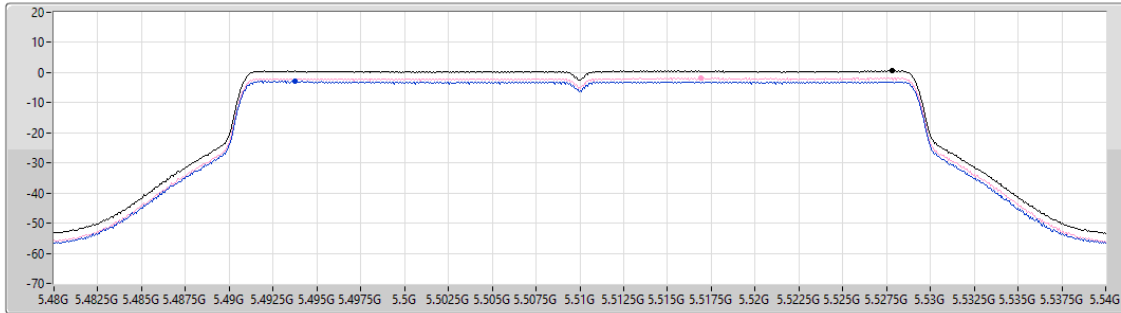
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
53.626

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.58	0.58	-2.88	-1.88

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5550MHz

20/04/2024

CF (Hz)
5.55G

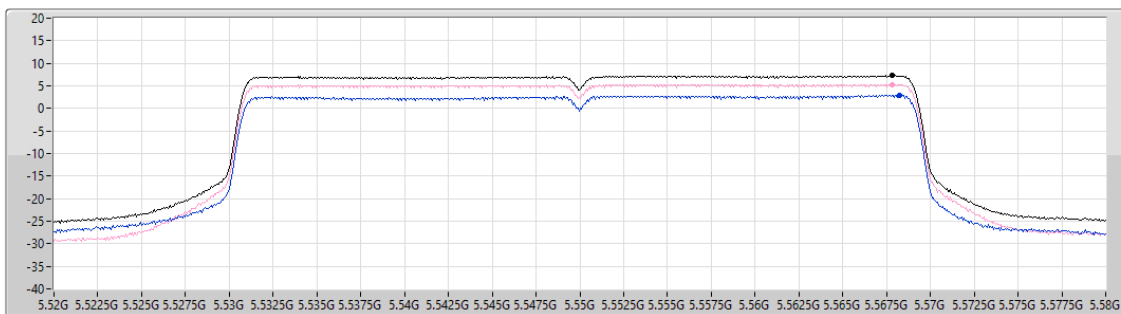
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
53.626

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

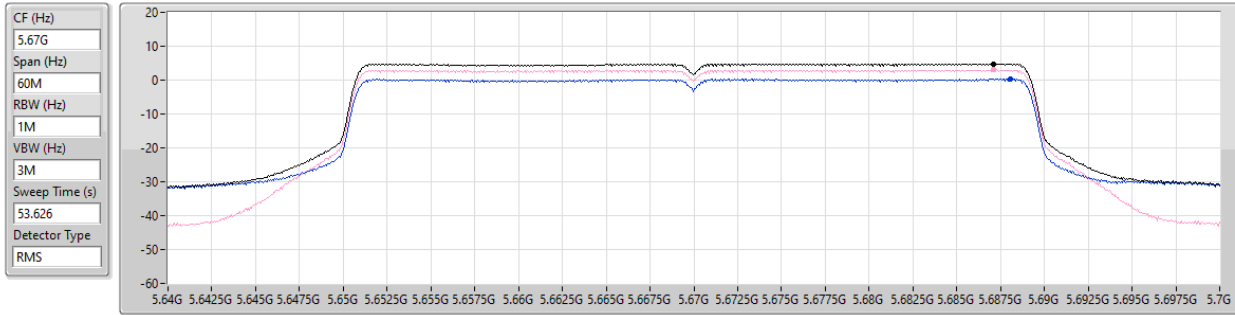
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.30	7.30	2.96	5.34

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5670MHz

20/04/2024



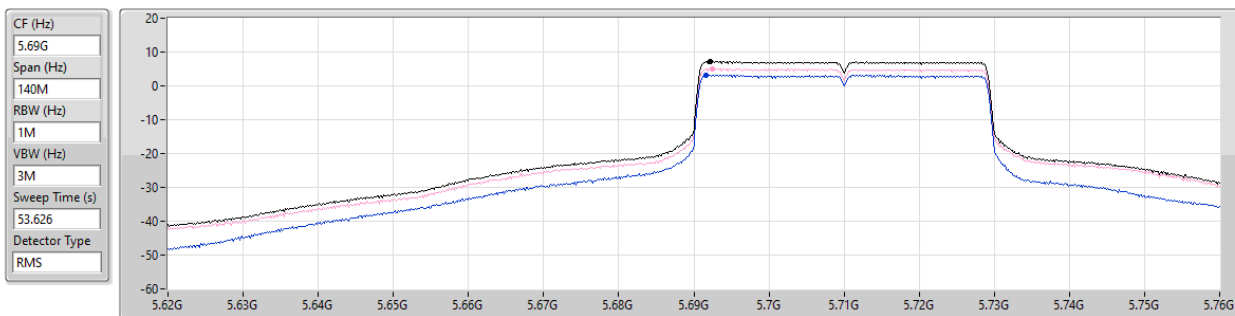
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.83	4.83	0.38	3.00

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

20/04/2024



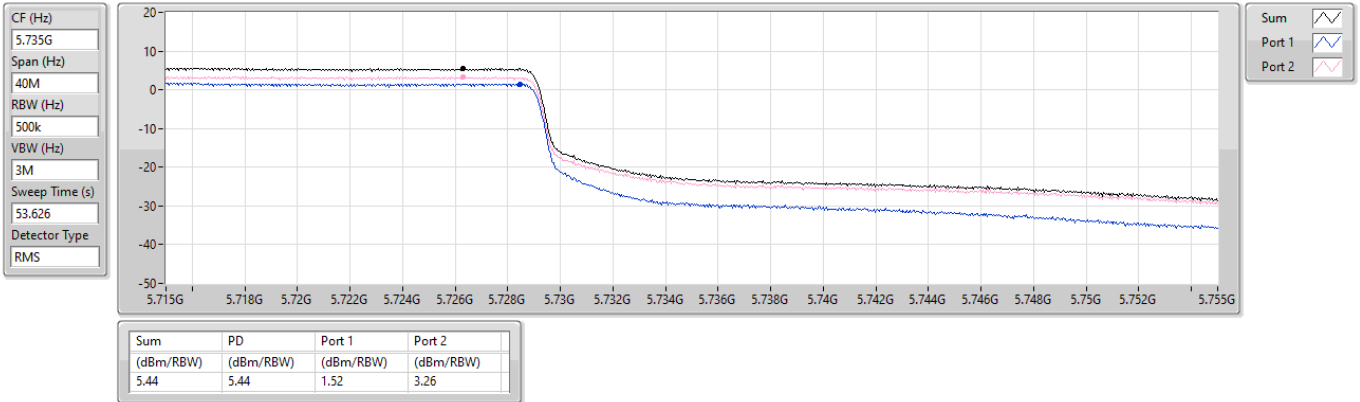
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.20	7.20	3.23	5.00

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5710MHz Straddle 5.725-5.85GHz

20/04/2024

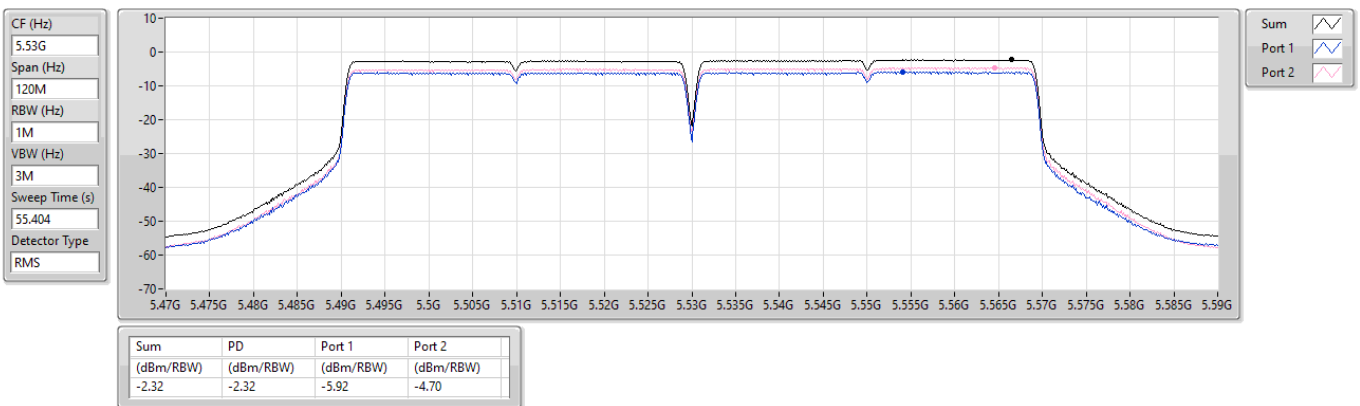


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX

PSD

5530MHz

06/06/2024

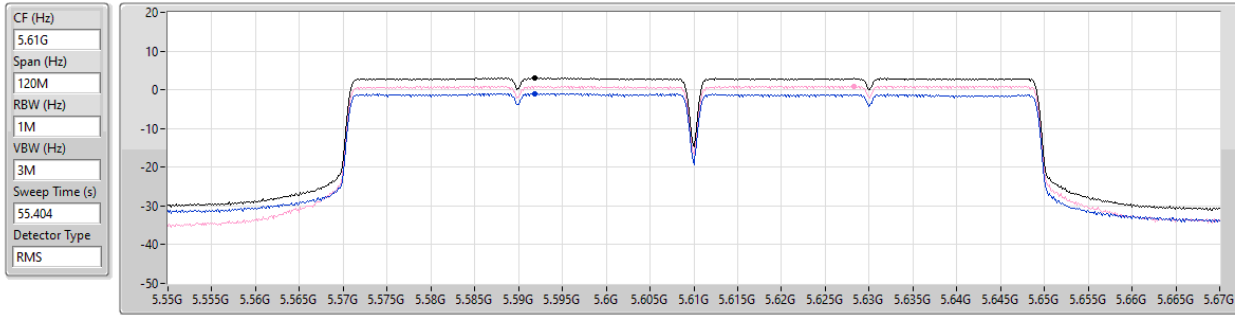


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX

PSD

5610MHz

20/04/2024



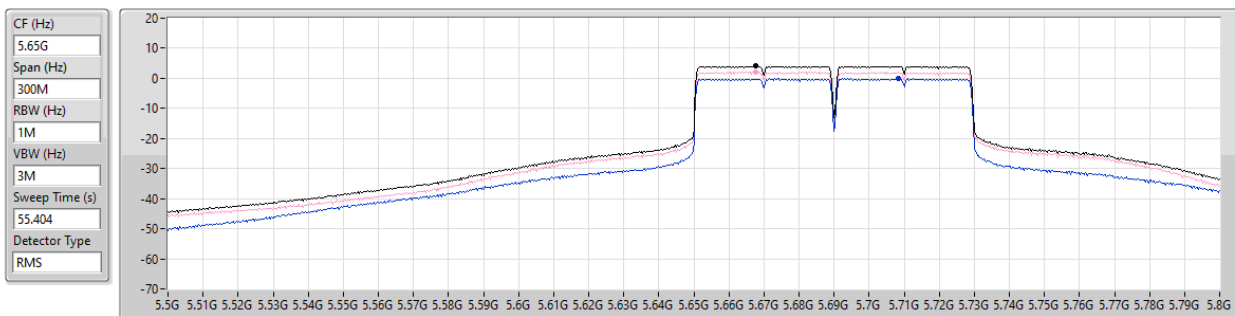
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.01	3.01	-0.96	0.92

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/04/2024



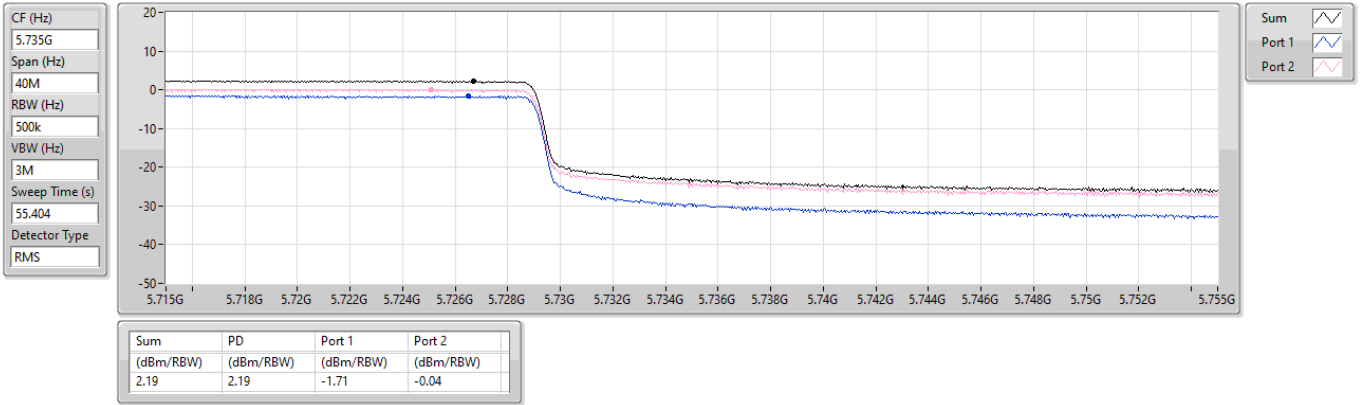
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.02	4.02	-0.17	2.02

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/04/2024

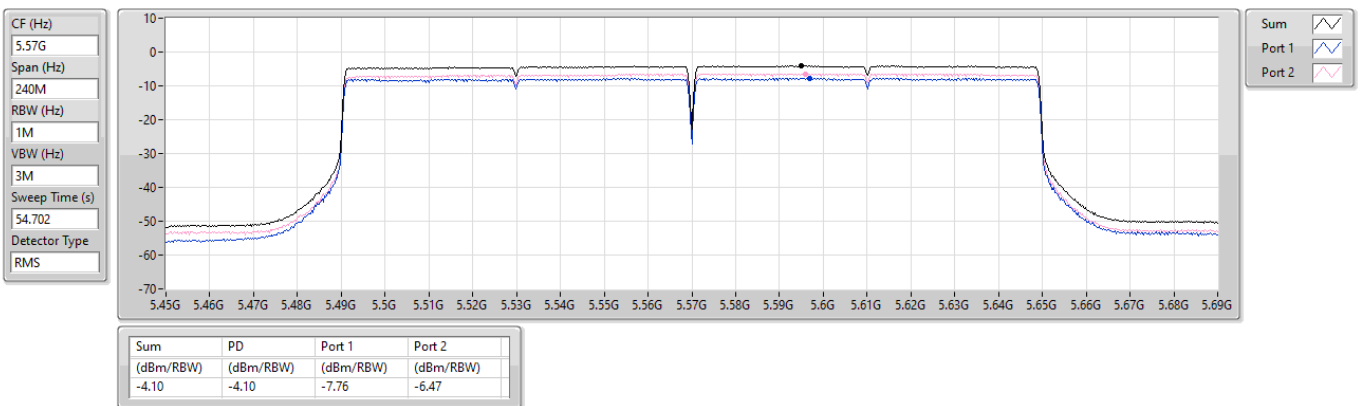


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_2TX

PSD

5570MHz

06/06/2024

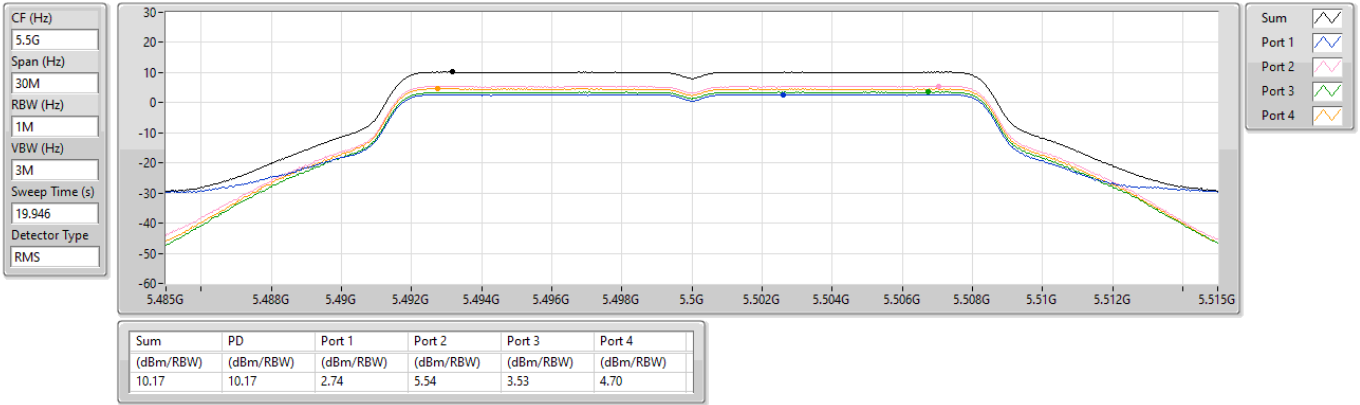


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

20/04/2024

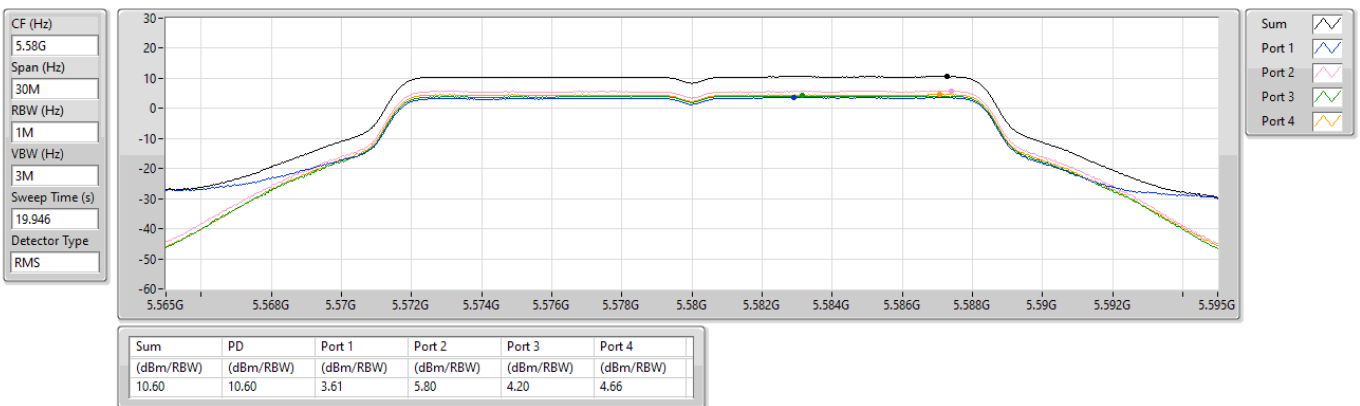


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

20/04/2024

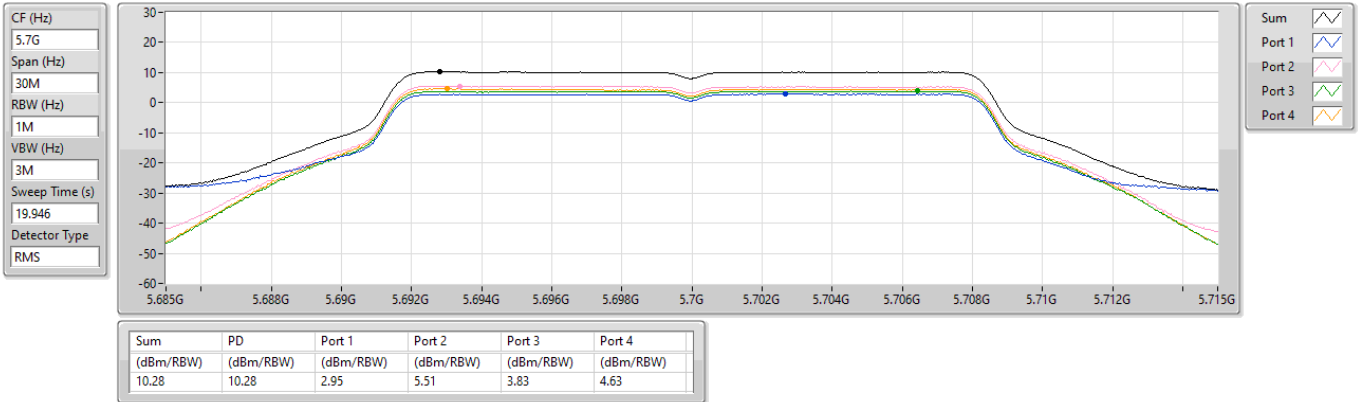


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

20/04/2024

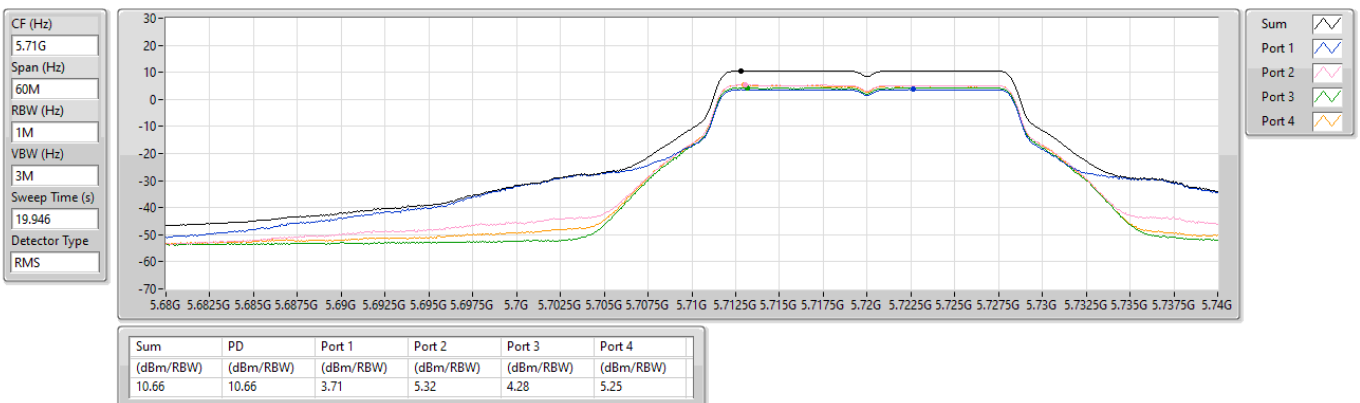


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024

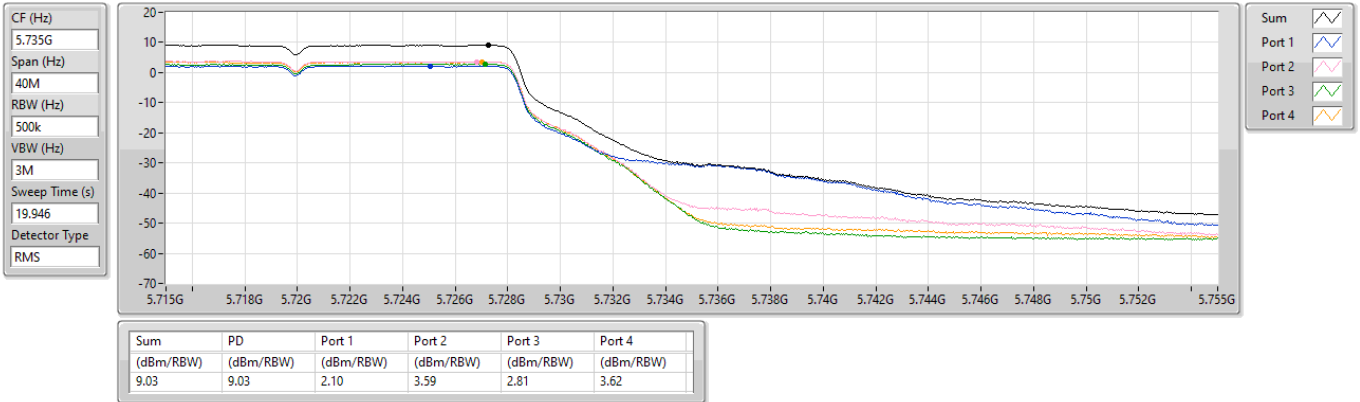


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024

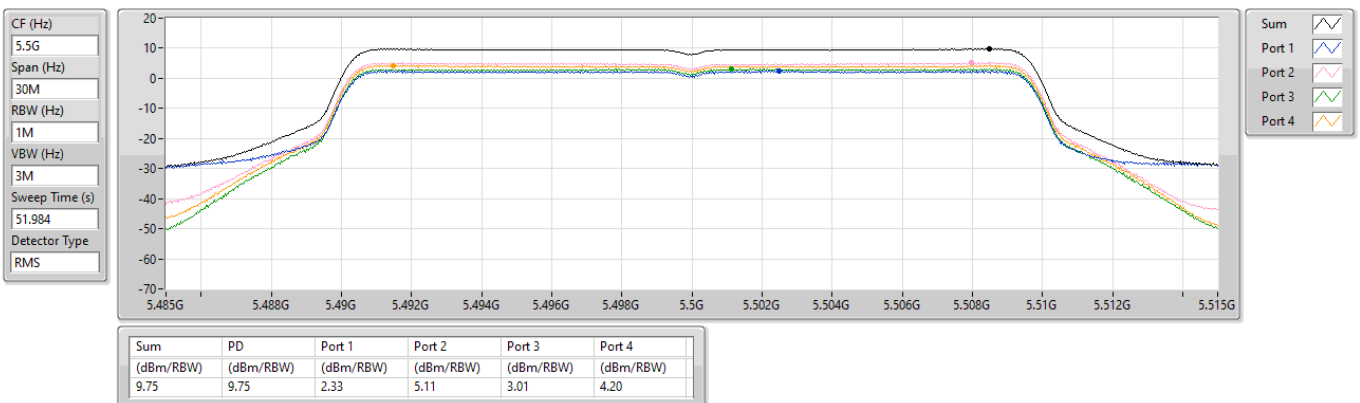


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

20/04/2024

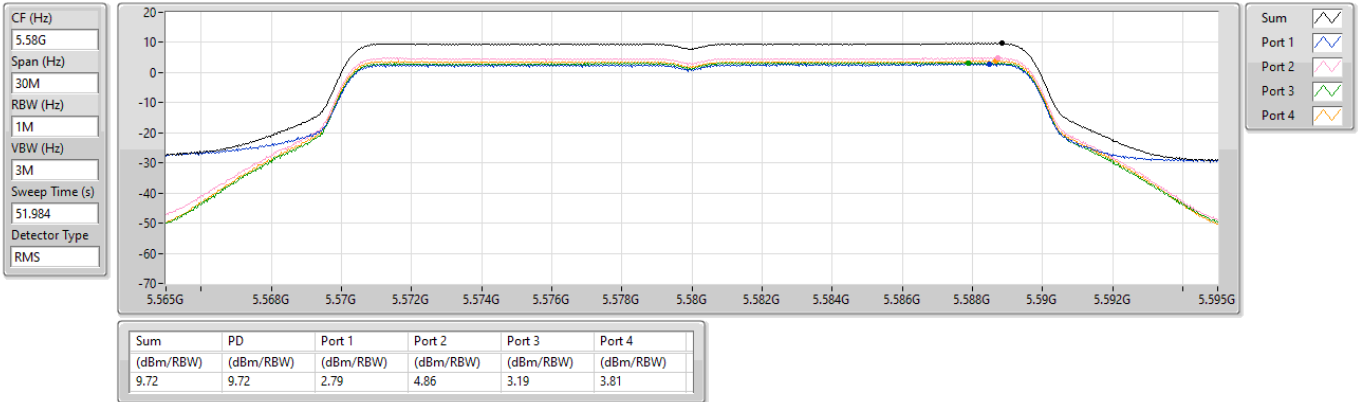


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

20/04/2024

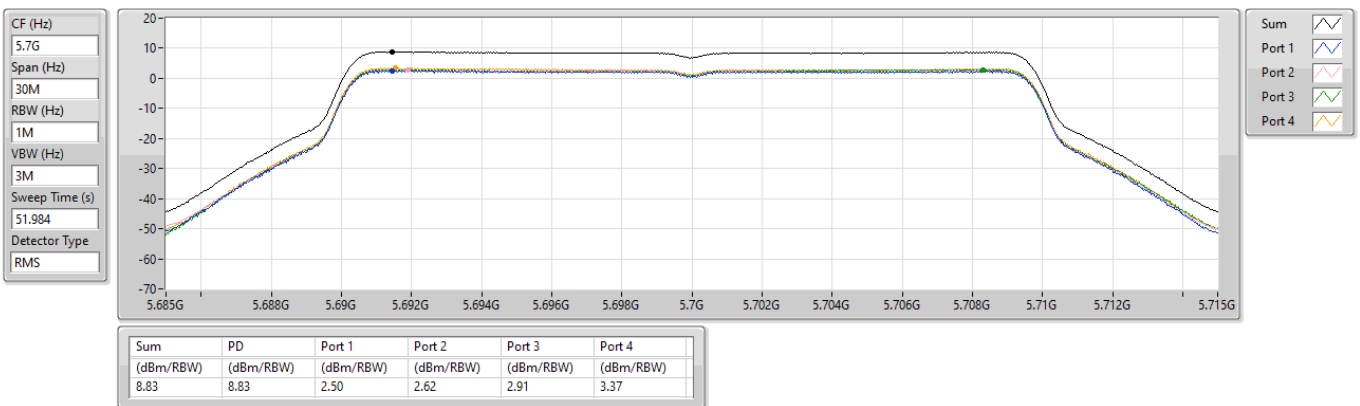


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5700MHz

06/06/2024

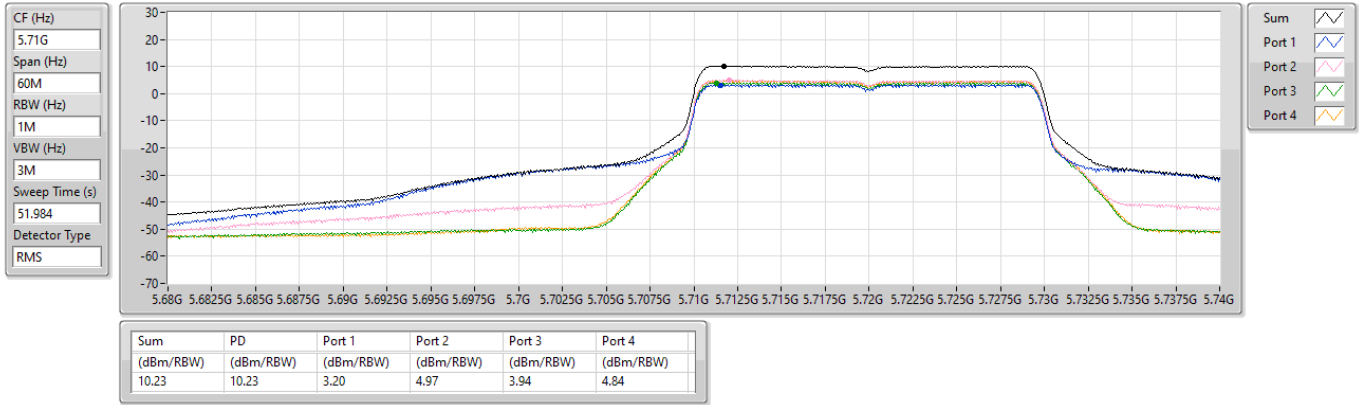


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

20/04/2024

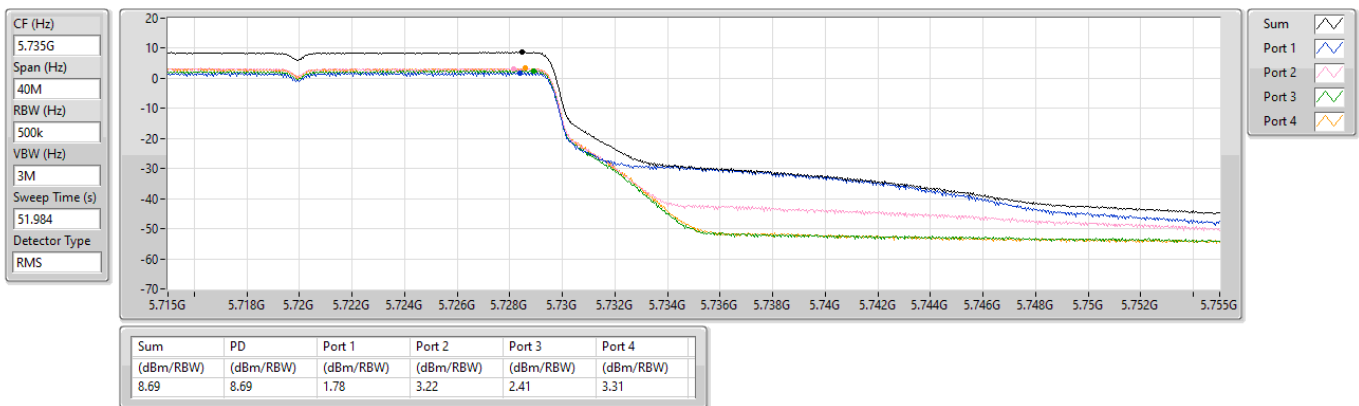


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

20/04/2024

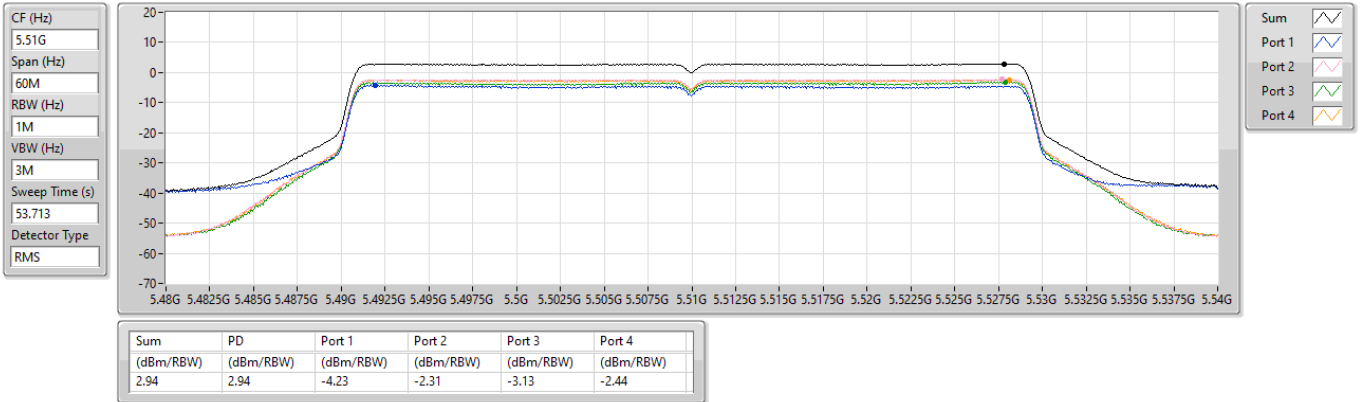


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5510MHz

20/04/2024

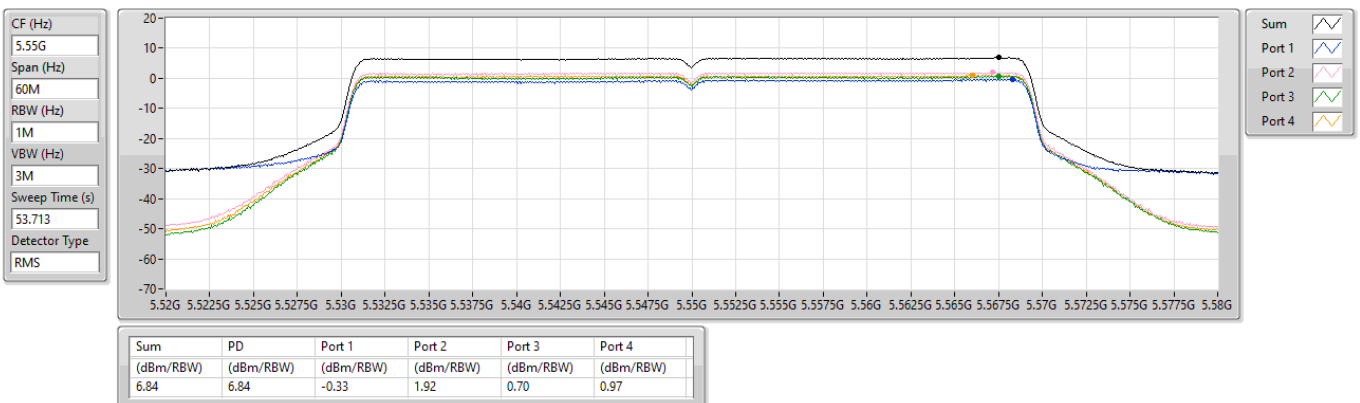


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5550MHz

20/04/2024

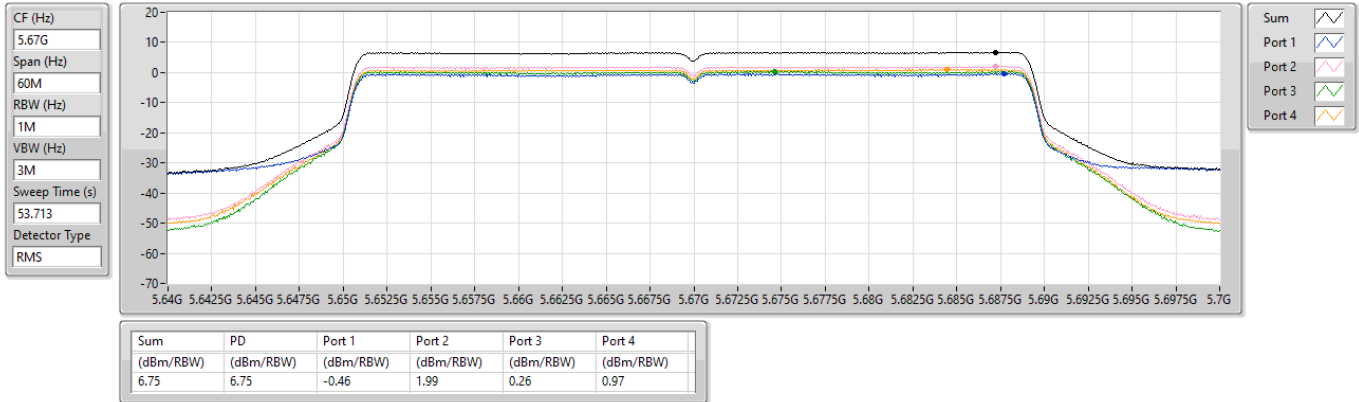


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5670MHz

20/04/2024

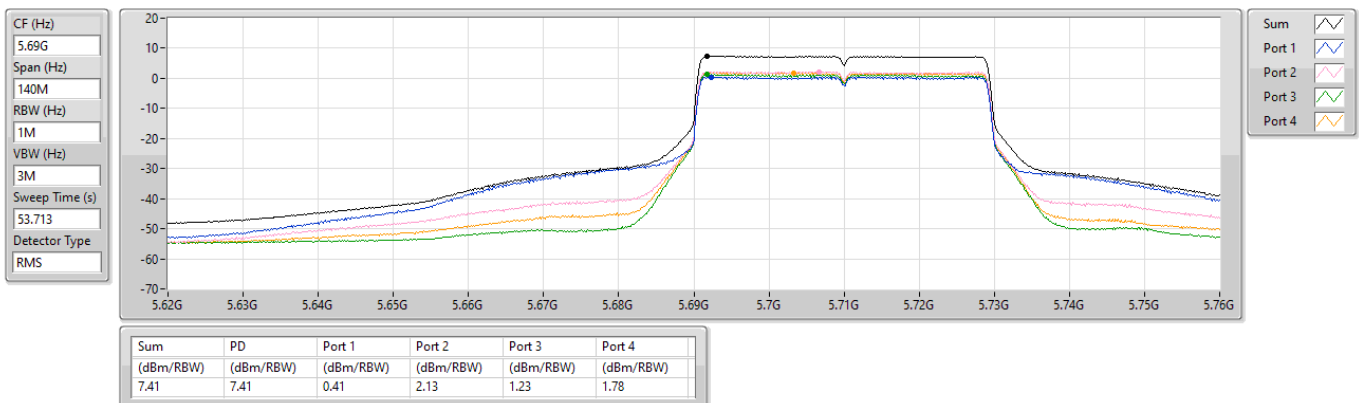


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

20/04/2024

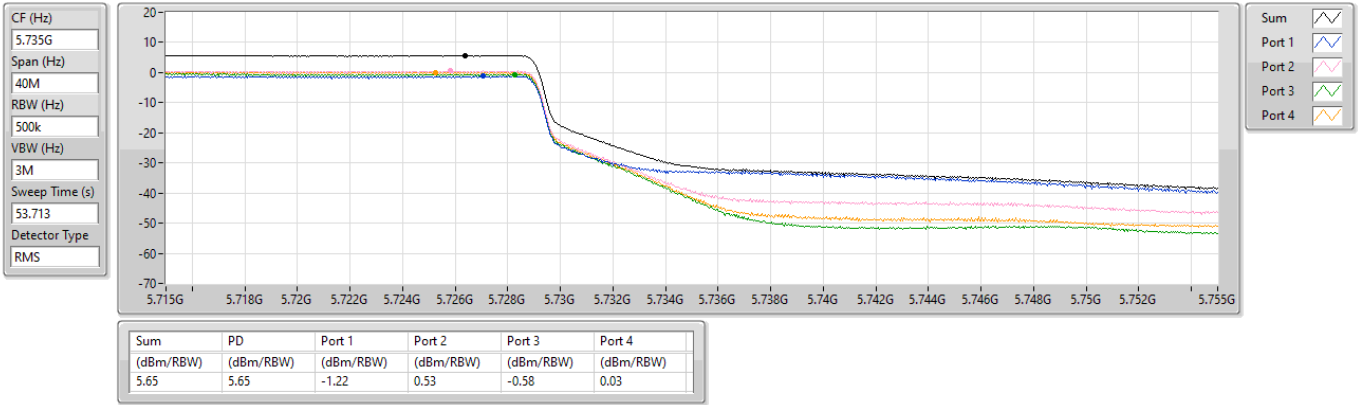


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

20/04/2024

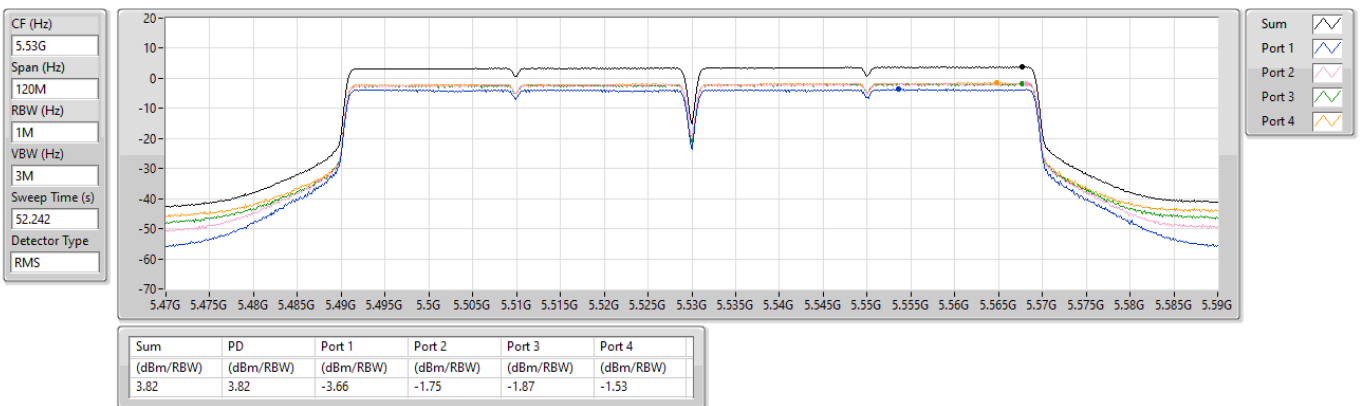


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

PSD

5530MHz

06/06/2024



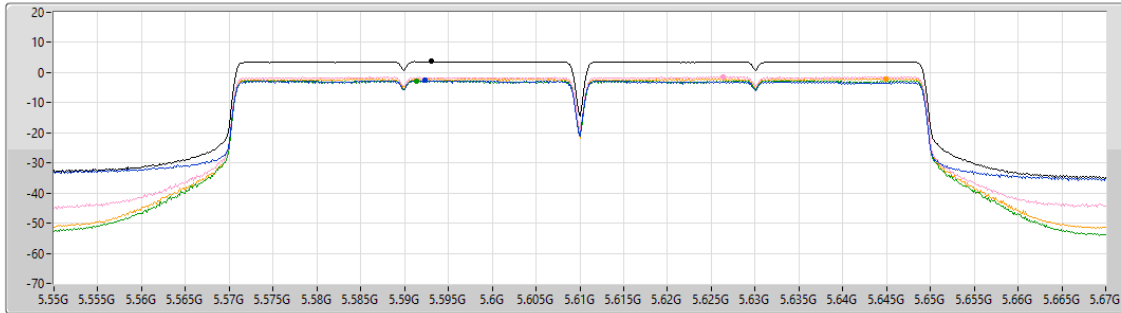
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

PSD

5610MHz

20/04/2024

CF (Hz)
5.61G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.242
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.68	3.68	-2.66	-1.50	-2.72	-2.08

Sum
Port 1
Port 2
Port 3
Port 4

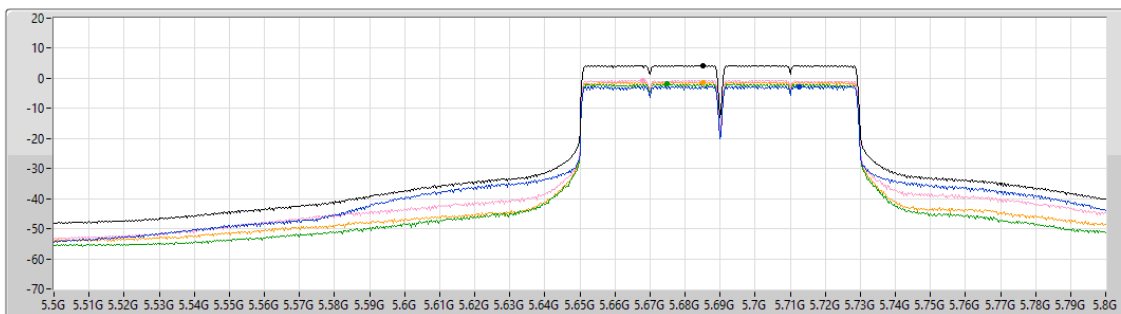
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS14)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/04/2024

CF (Hz)
5.65G
Span (Hz)
300M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
52.242
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.30	4.30	-2.70	-0.74	-1.96	-1.28

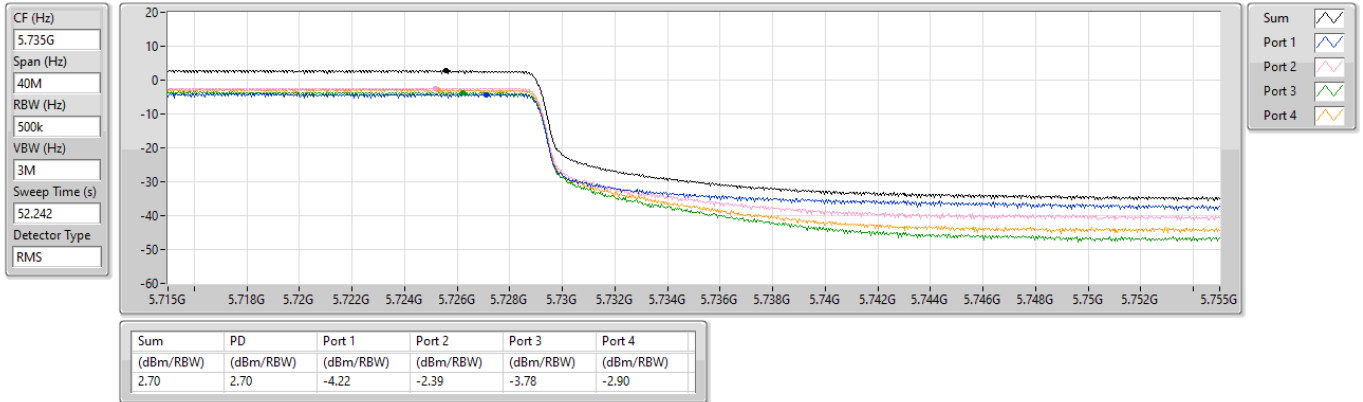
Sum
Port 1
Port 2
Port 3
Port 4

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS14)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/04/2024

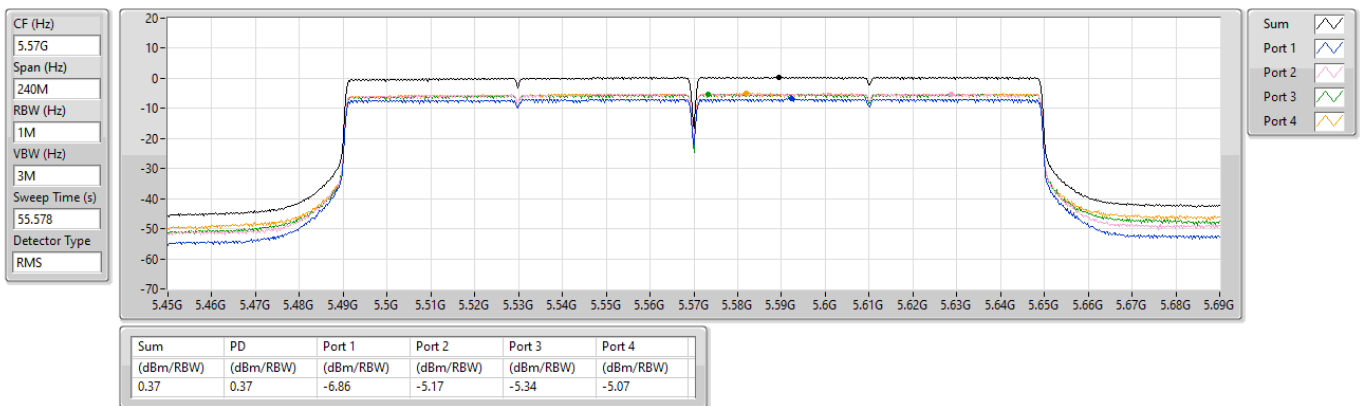


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS14)_4TX

PSD

5570MHz

06/06/2024



Test Mode: Mode 2

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	10.08
802.11ax HEW20_Nss1,(MCS0)_1TX	10.18
802.11ax HEW40_Nss1,(MCS0)_1TX	6.73
802.11ax HEW80_Nss1,(MCS0)_1TX	3.61
802.11ax HEW160_Nss1,(MCS0)_1TX	-2.54
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.97
802.11ax HEW20_Nss1,(MCS0)_1TX	7.28
802.11ax HEW40_Nss1,(MCS0)_1TX	3.86
802.11ax HEW80_Nss1,(MCS0)_1TX	0.10

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5500MHz	Pass	5.67	7.34	7.34	11.00
5580MHz	Pass	5.67	10.08	10.08	11.00
5700MHz	Pass	5.67	6.80	6.80	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.67	9.94	9.94	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.75	7.97	7.97	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5500MHz	Pass	5.67	6.17	6.17	11.00
5580MHz	Pass	5.67	10.18	10.18	11.00
5700MHz	Pass	5.67	5.91	5.91	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.67	9.14	9.14	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	4.75	7.28	7.28	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5510MHz	Pass	5.67	2.64	2.64	11.00
5550MHz	Pass	5.67	6.54	6.54	11.00
5670MHz	Pass	5.67	3.42	3.42	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.67	6.73	6.73	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	4.75	3.86	3.86	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5530MHz	Pass	5.67	-1.22	-1.22	11.00
5610MHz	Pass	5.67	2.45	2.45	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.67	3.61	3.61	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	4.75	0.10	0.10	30.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-
5570MHz	Pass	5.67	-2.54	-2.54	11.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

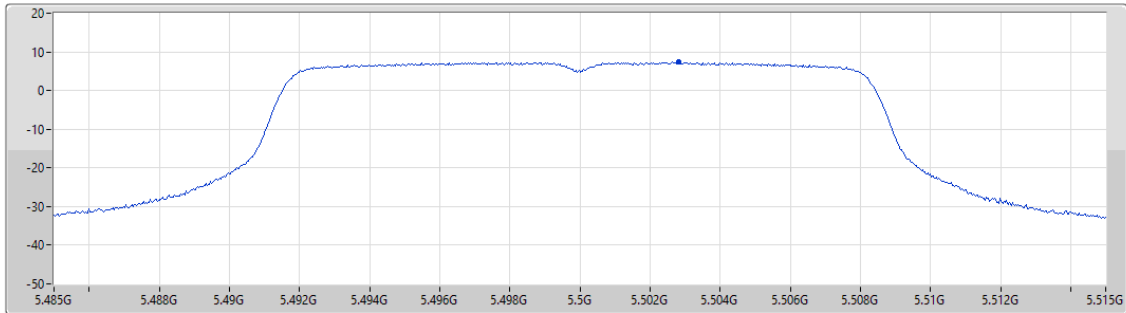
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5500MHz

26/04/2024

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20.437
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.34	7.34	7.34

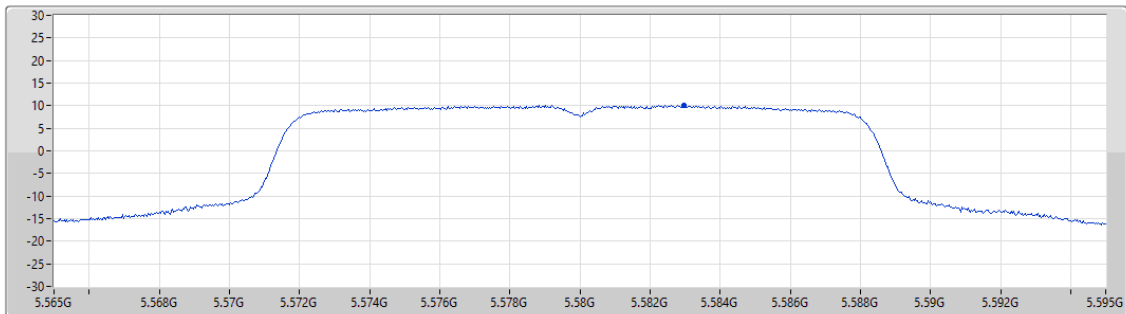
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5580MHz

26/04/2024

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20.437
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.08	10.08	10.08

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

PSD

5700MHz

26/04/2024

CF (Hz)
5.7G

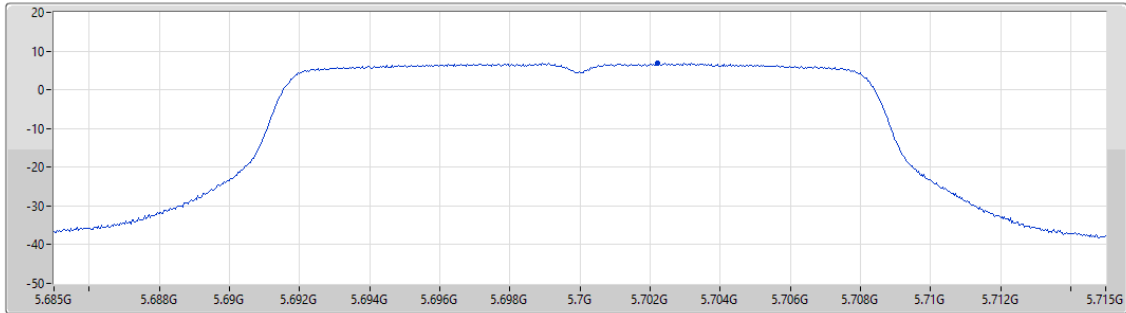
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.437

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
6.80	6.80	6.80

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

PSD

5720MHz Straddle 5.47-5.725GHz

26/04/2024

CF (Hz)
5.71G

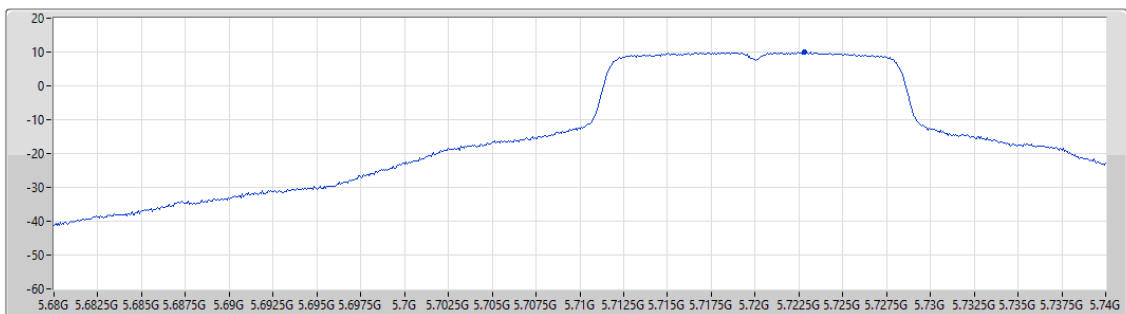
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.437

Detector Type
RMS



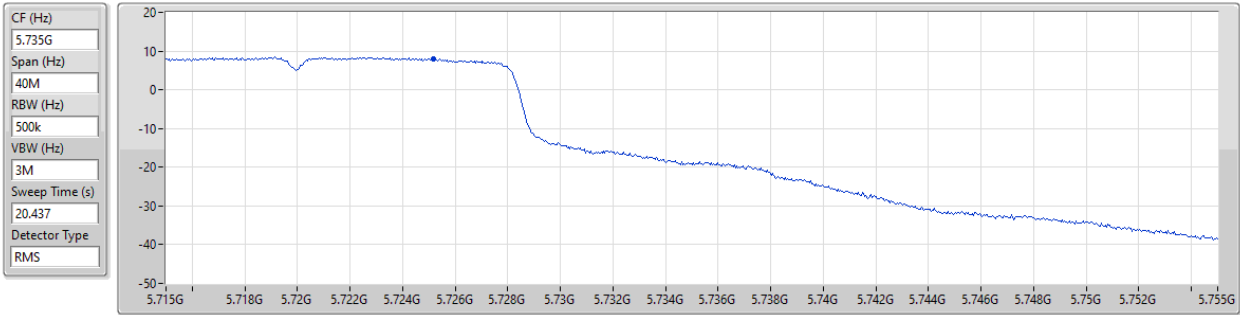
Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
9.94	9.94	9.94

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

PSD

5720MHz Straddle 5.725-5.85GHz

26/04/2024



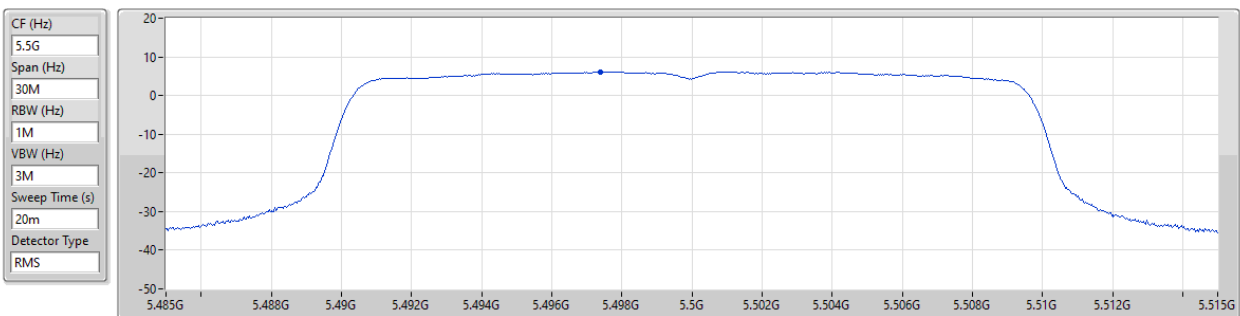
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.97	7.97	7.97

5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5500MHz

26/04/2024



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.17	6.17	6.17

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

PSD

5580MHz

26/04/2024

CF (Hz)
5.58G

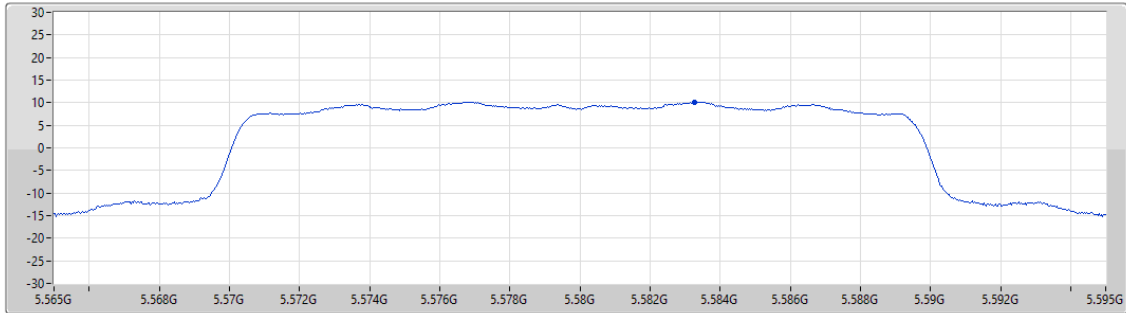
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.18	10.18	10.18

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

PSD

5700MHz

26/04/2024

CF (Hz)
5.7G

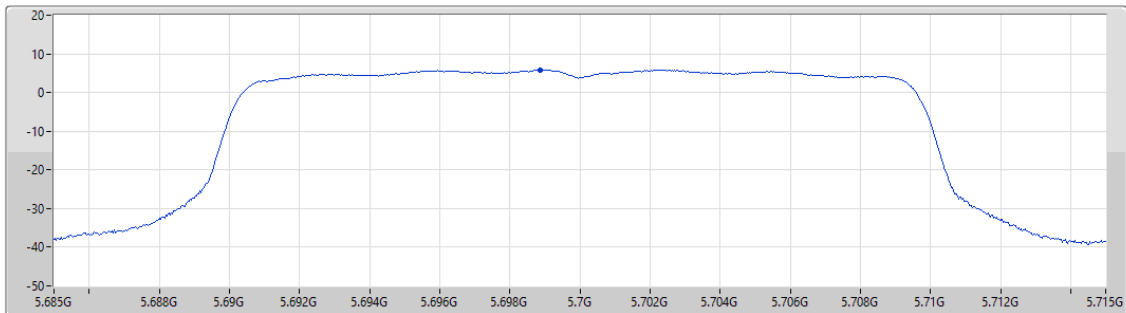
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



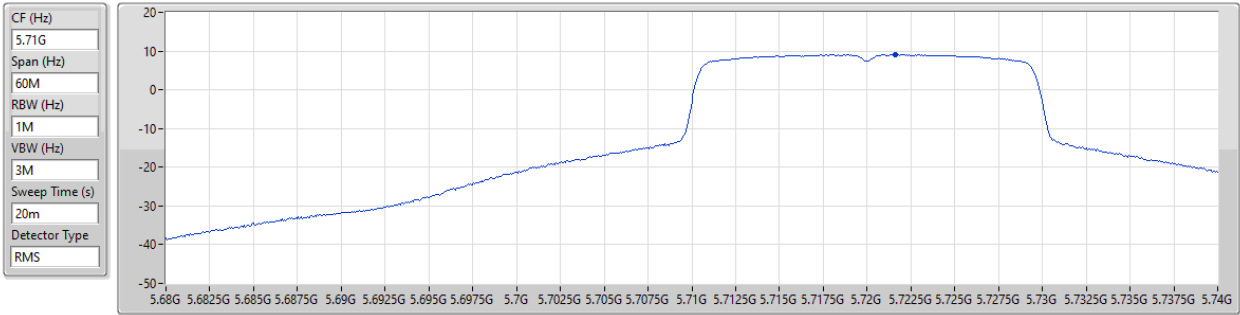
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.91	5.91	5.91

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

PSD

5720MHz Straddle 5.47-5.725GHz

26/04/2024

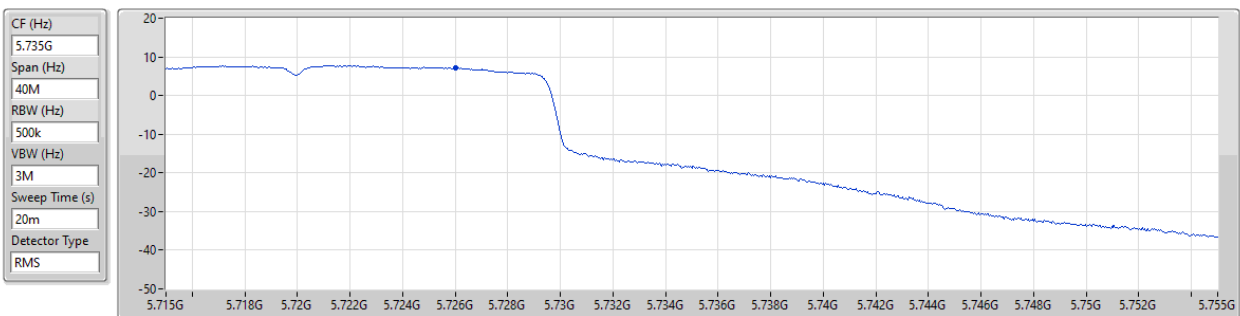


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5720MHz Straddle 5.725-5.85GHz

26/04/2024

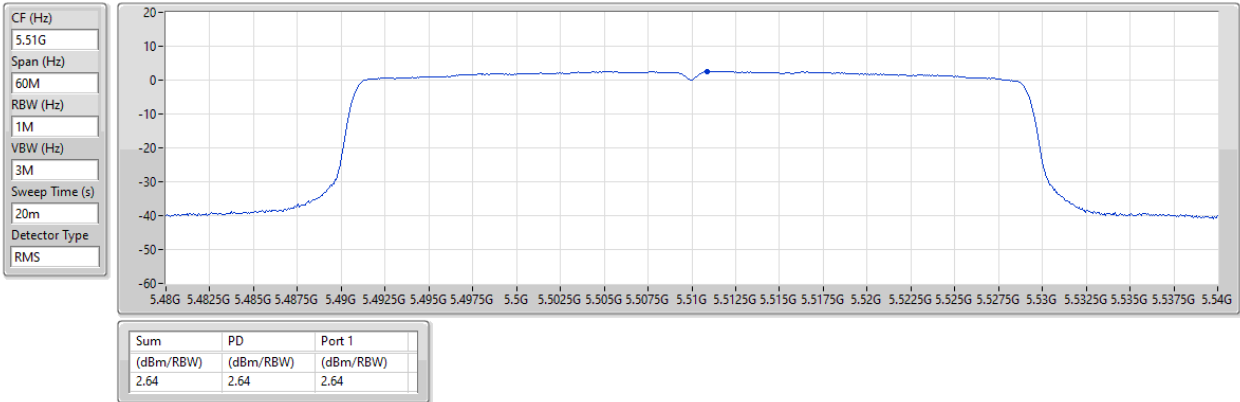


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5510MHz

26/04/2024

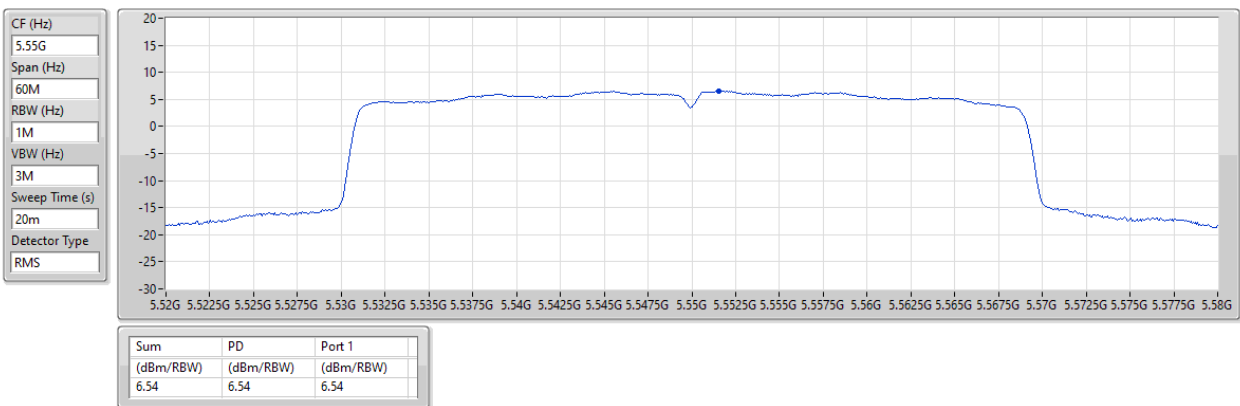


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5550MHz

26/04/2024



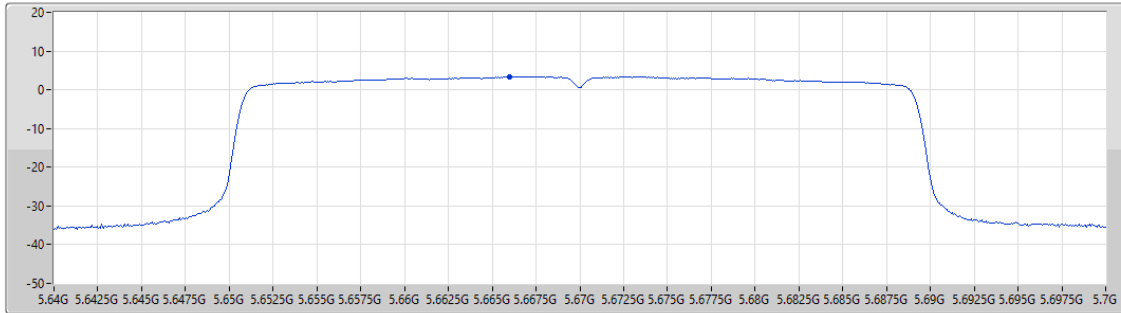
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5670MHz

26/04/2024

CF (Hz)
5.67G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

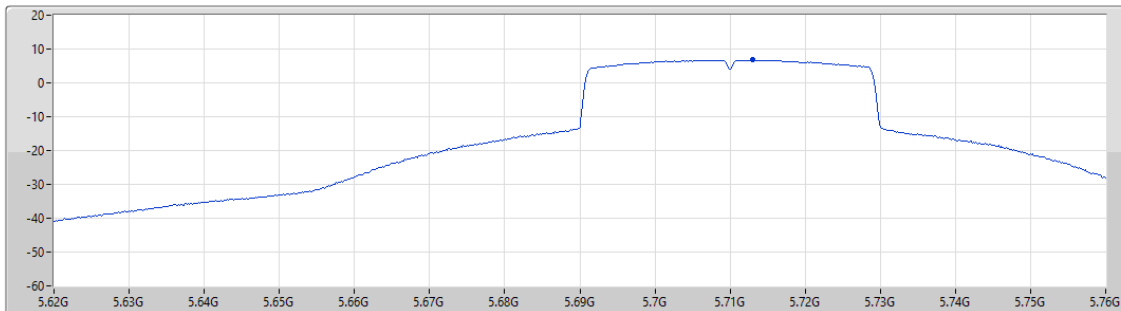
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5710MHz Straddle 5.47-5.725GHz

26/04/2024

CF (Hz)
5.69G
Span (Hz)
140M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



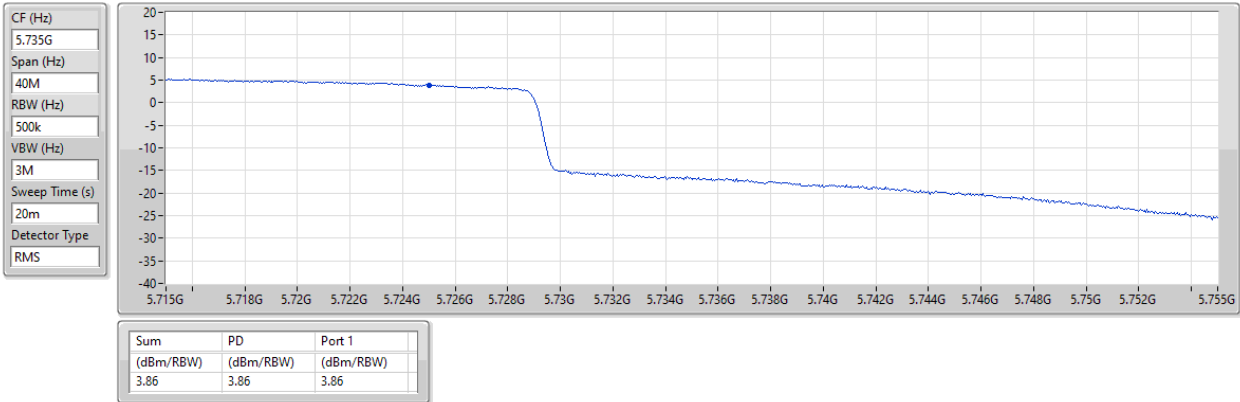
Port 1

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

PSD

5710MHz Straddle 5.725-5.85GHz

26/04/2024

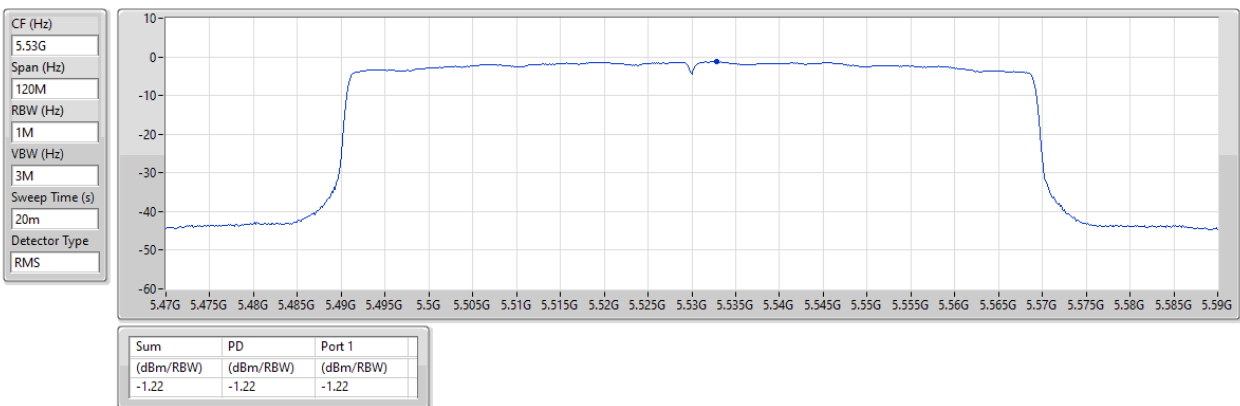


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5530MHz

26/04/2024



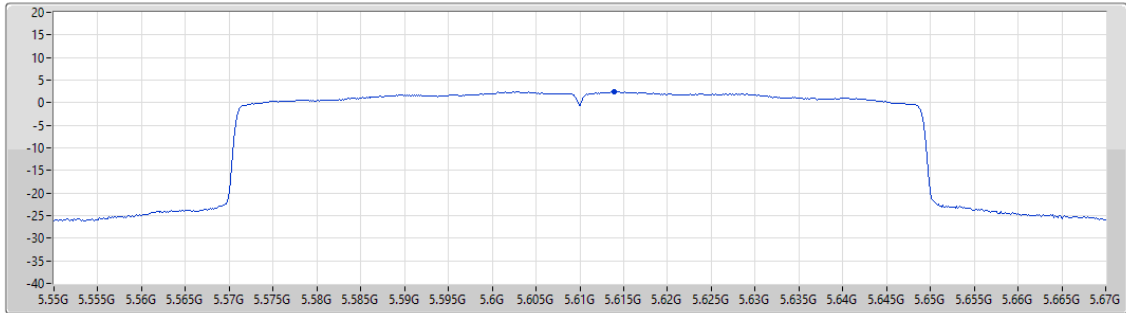
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5610MHz

26/04/2024

CF (Hz)
5.61G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.45	2.45	2.45

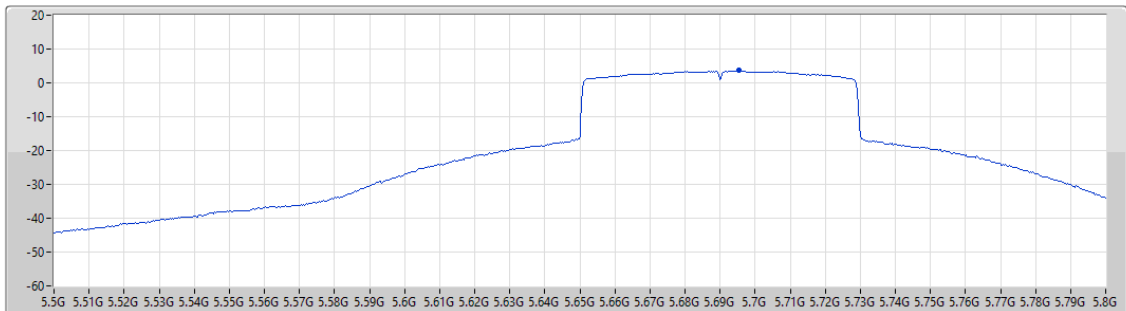
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

26/04/2024

CF (Hz)
5.65G
Span (Hz)
300M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



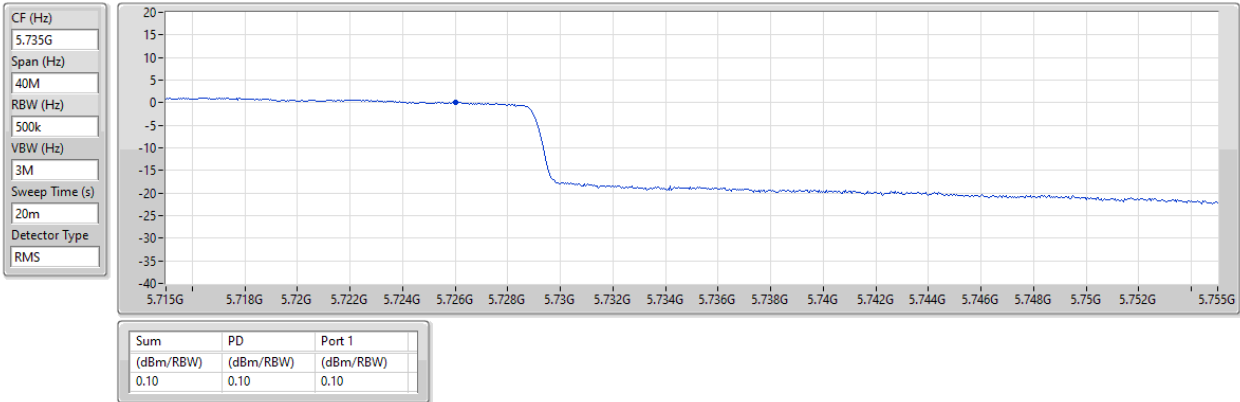
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.61	3.61	3.61

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

PSD

5690MHz Straddle 5.725-5.85GHz

26/04/2024

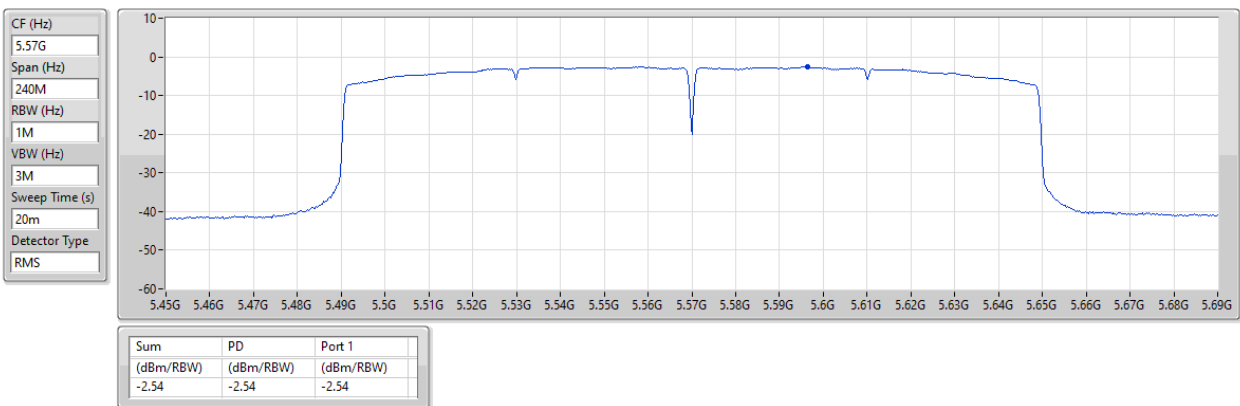


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

PSD

5570MHz

26/04/2024



Test Mode: Mode 3

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	2.04
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_1TX	-8.92
5.725-5.85GHz	-
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	0.58

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-
5530MHz	Pass	3.93	-1.79	-1.79	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-
5530MHz	Pass	3.93	-1.97	-1.97	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-
5610MHz	Pass	3.93	-0.11	-0.11	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-
5610MHz	Pass	3.93	-0.04	-0.04	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	1.92	1.92	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	2.04	2.04	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	0.29	0.29	30.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	0.58	0.58	30.00
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_1TX	-	-	-	-	-
5570MHz	Pass	3.93	-8.94	-8.94	11.00
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_1TX	-	-	-	-	-
5570MHz	Pass	3.93	-8.92	-8.92	11.00
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_1TX	-	-	-	-	-
5570MHz	Pass	3.93	-9.16	-9.16	11.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5530MHz

28/06/2024

CF (Hz)
5.53G

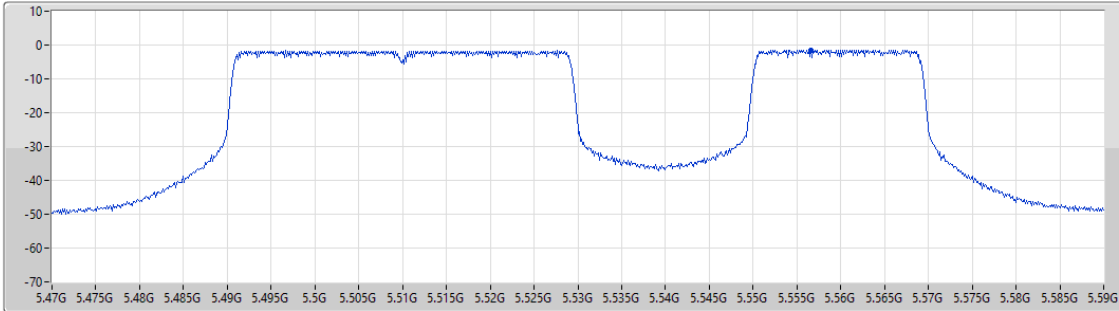
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.023

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.79	-1.79	-1.79

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5530MHz

28/06/2024

CF (Hz)
5.53G

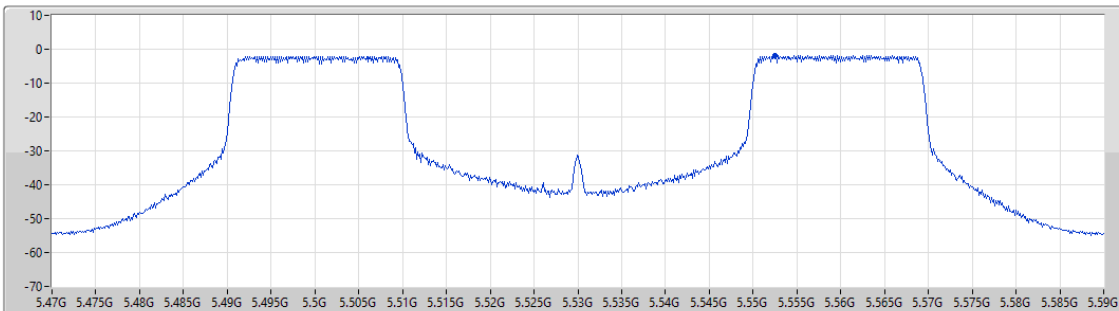
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.904

Detector Type
RMS



Port 1

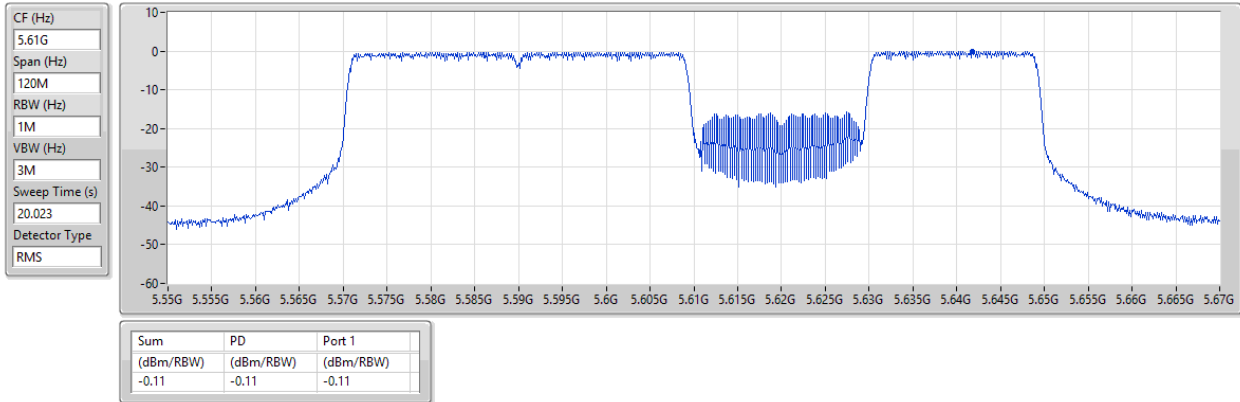
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.97	-1.97	-1.97

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5610MHz

20/06/2024

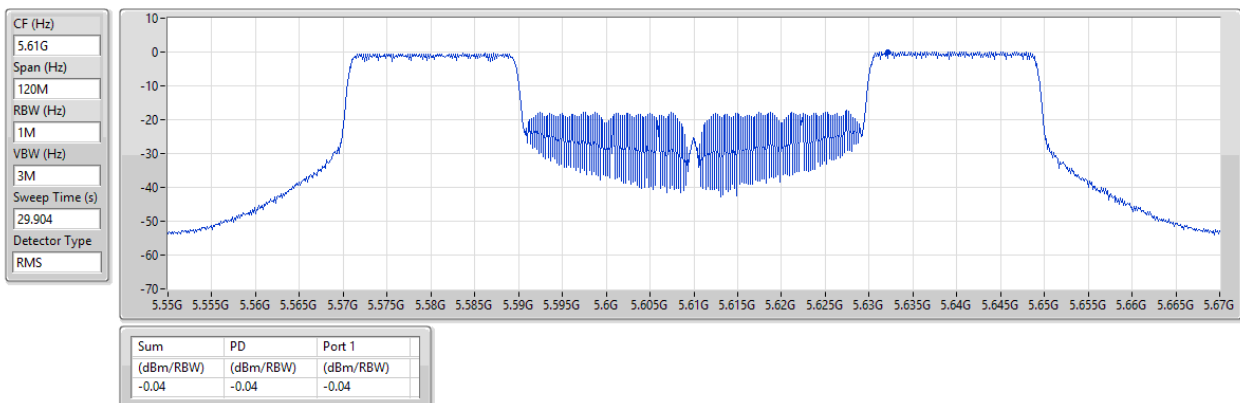


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5610MHz

20/06/2024

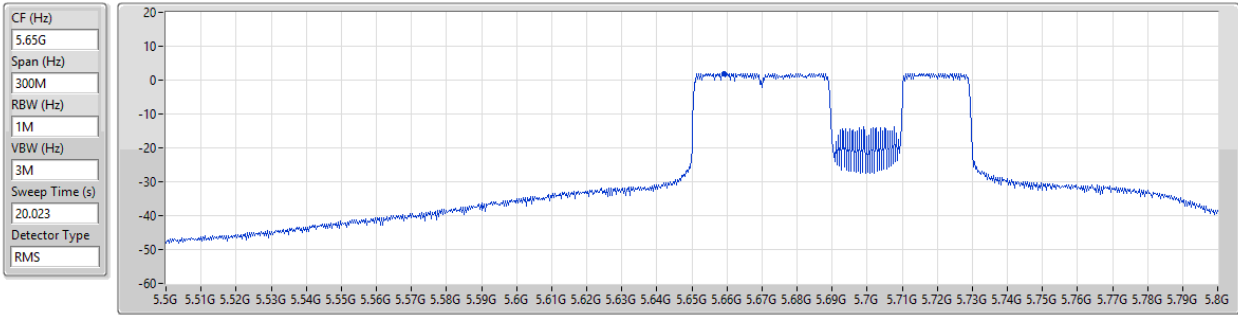


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024



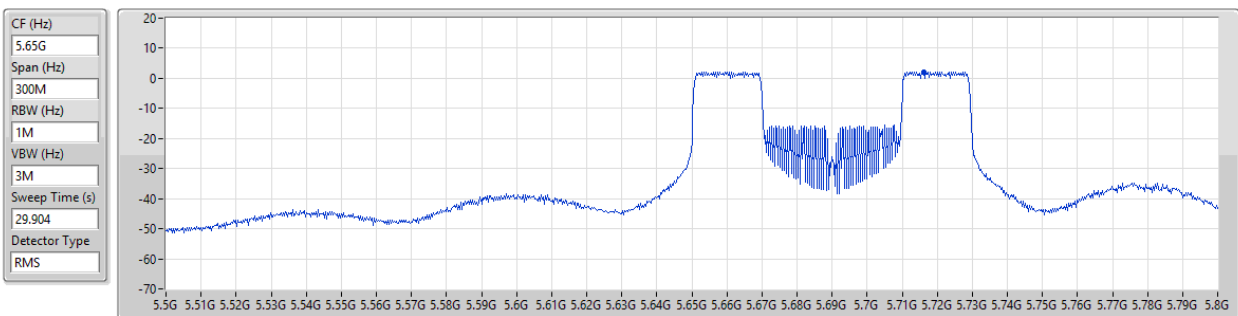
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.92	1.92	1.92

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024



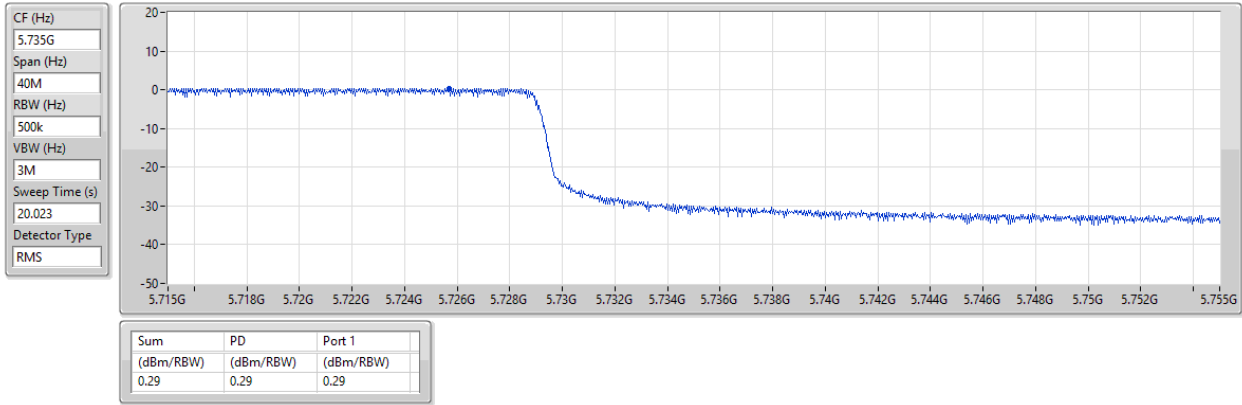
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.04	2.04	2.04

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/06/2024

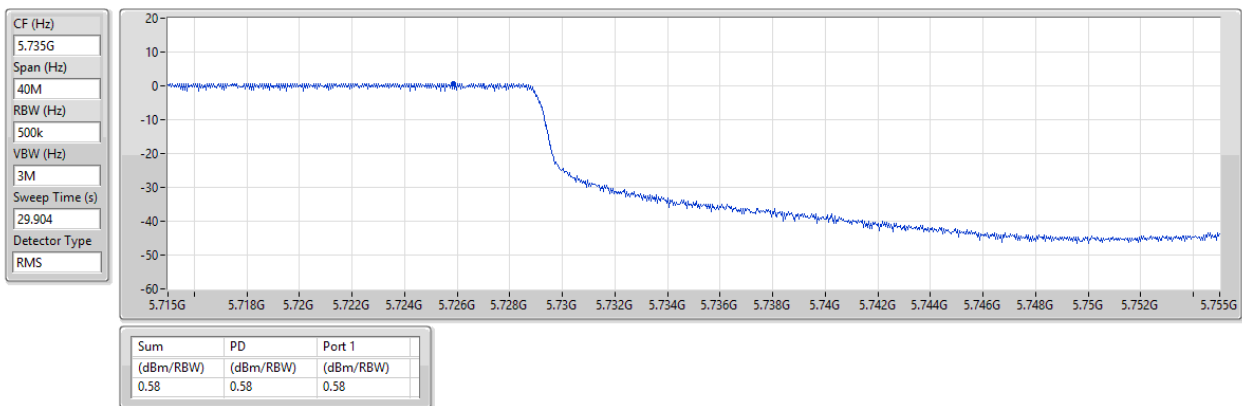


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/06/2024

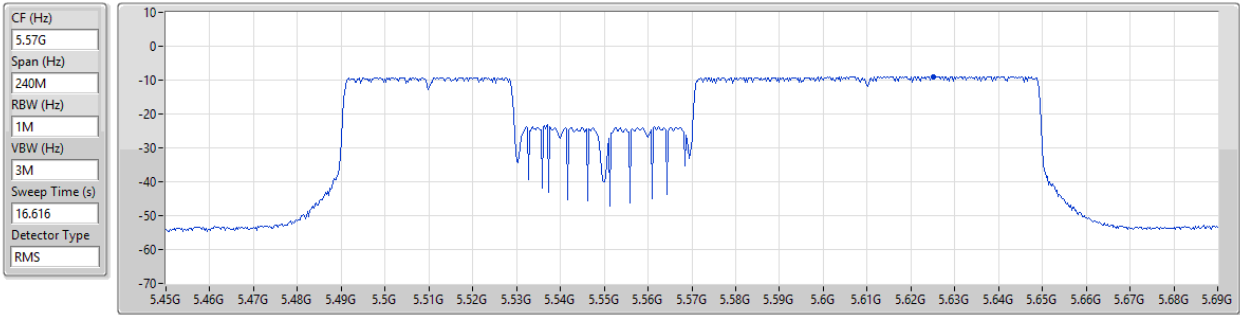


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_1TX

PSD

5570MHz

20/06/2024



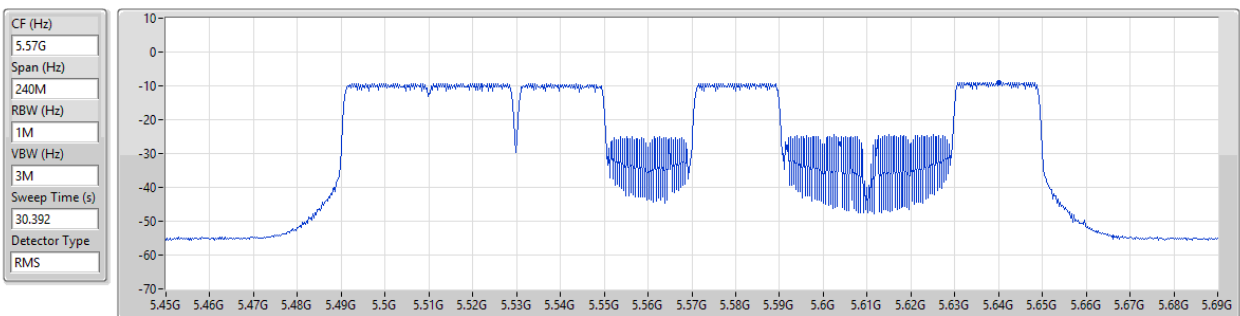
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.94	-8.94	-8.94

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_1TX

PSD

5570MHz

20/06/2024



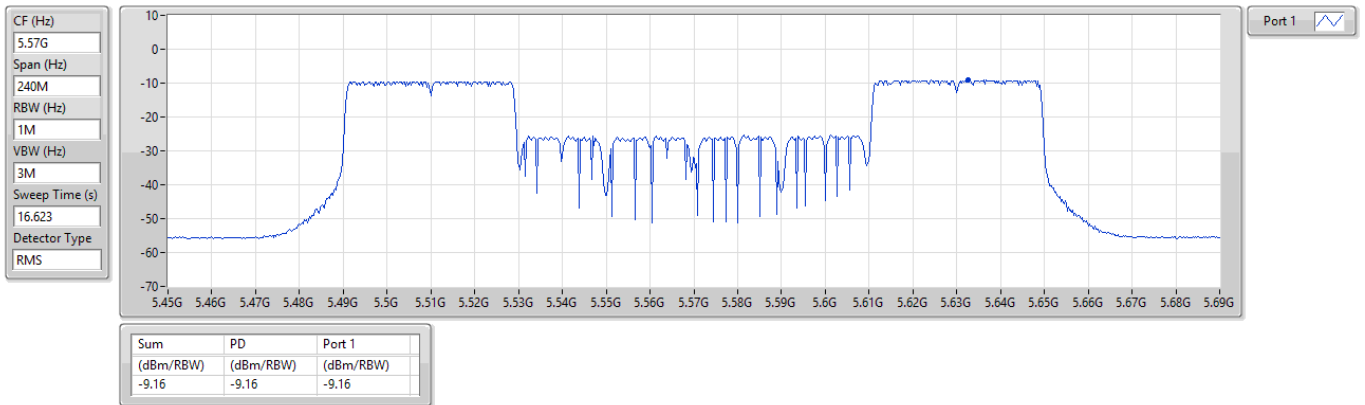
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.92	-8.92	-8.92

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_1TX

PSD

5570MHz

20/06/2024



Test Mode: Mode 4

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	3.56
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_2TX	-4.22
5.725-5.85GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	1.97

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-
5530MHz	Pass	3.93	-5.52	-5.01	-2.38	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-
5530MHz	Pass	3.93	-5.80	-5.21	-2.61	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-
5610MHz	Pass	3.93	-1.33	-0.40	2.15	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-
5610MHz	Pass	3.93	-0.71	0.05	2.66	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	0.18	0.99	3.56	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	3.93	-0.18	0.87	3.23	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	-1.43	-0.55	1.97	30.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	3.91	-1.72	-0.62	1.84	30.00
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX	-	-	-	-	-	-
5570MHz	Pass	3.93	-7.28	-7.06	-4.23	11.00
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_2TX	-	-	-	-	-	-
5570MHz	Pass	3.93	-7.60	-7.06	-4.34	11.00
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_2TX	-	-	-	-	-	-
5570MHz	Pass	3.93	-7.51	-6.95	-4.22	11.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

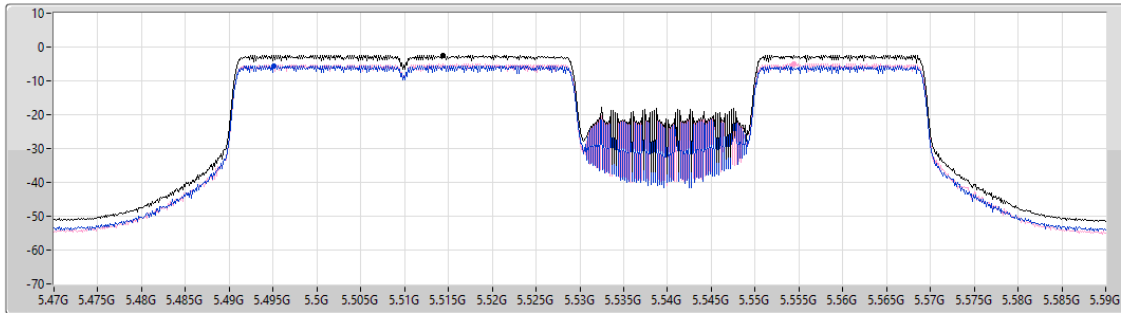
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5530MHz

20/06/2024

CF (Hz)
5.53G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20.023
Detector Type
RMS



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.38	-2.38	-5.52	-5.01

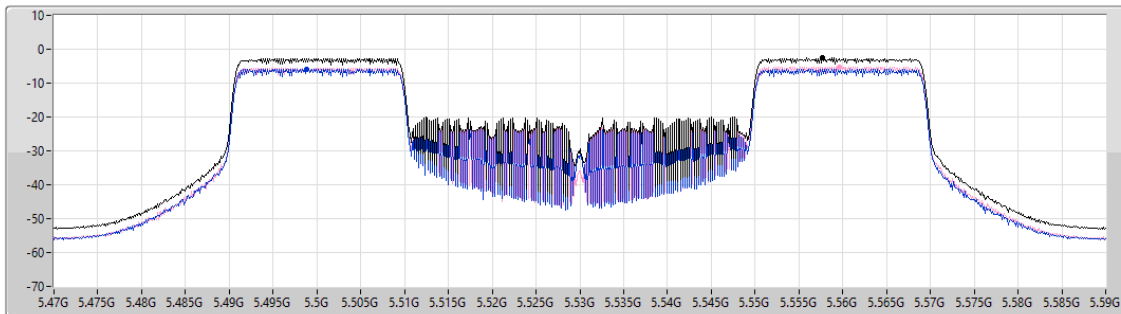
5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5530MHz

20/06/2024

CF (Hz)
5.53G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
29.904
Detector Type
RMS



Sum
Port 1
Port 2

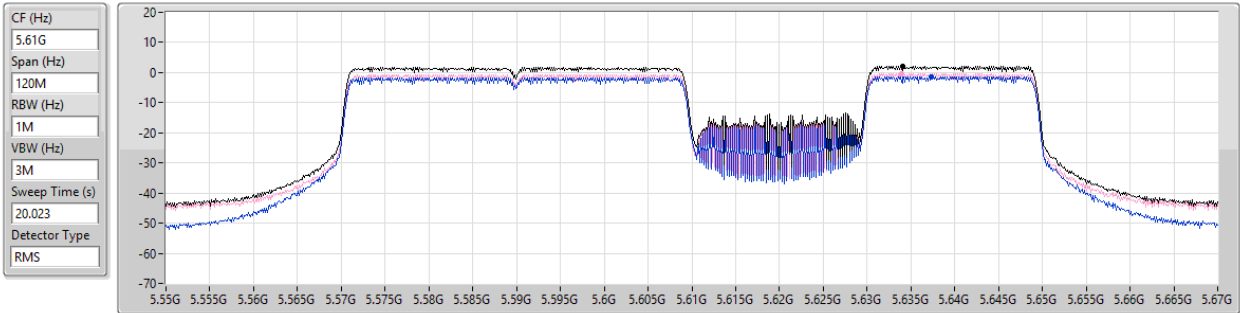
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.61	-2.61	-5.80	-5.21

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5610MHz

20/06/2024



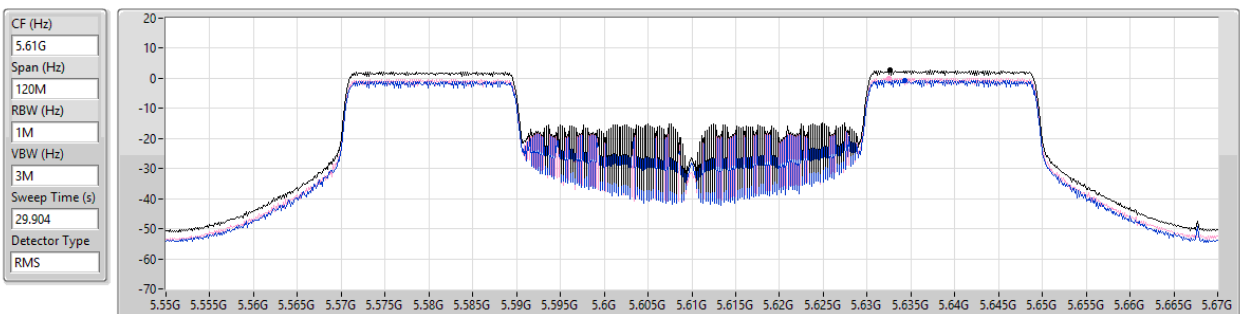
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.15	2.15	-1.33	-0.40

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5610MHz

20/06/2024



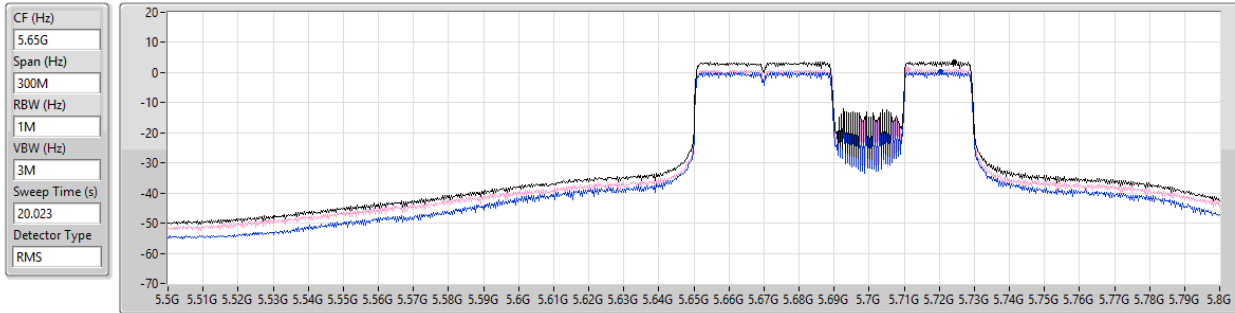
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.66	2.66	-0.71	0.05

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024



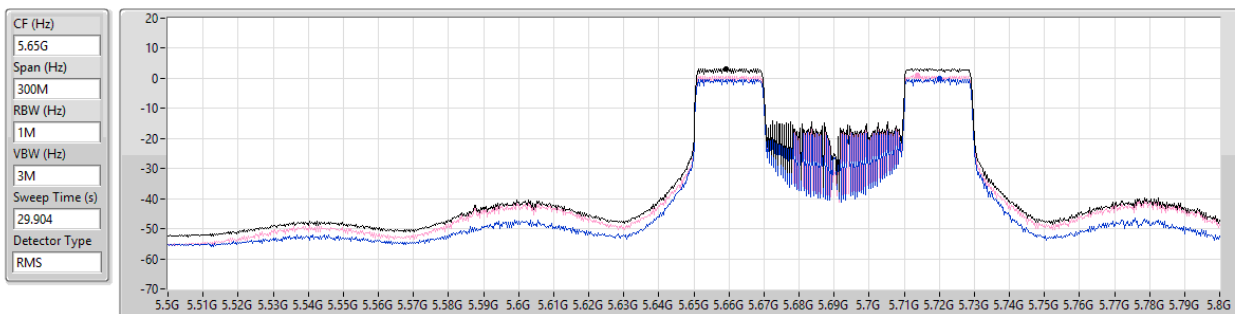
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.56	3.56	0.18	0.99

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024



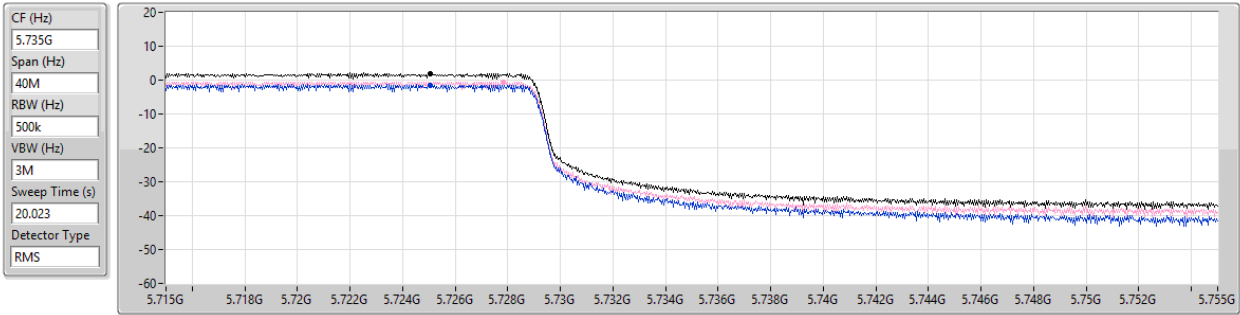
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.23	3.23	-0.18	0.87

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/06/2024



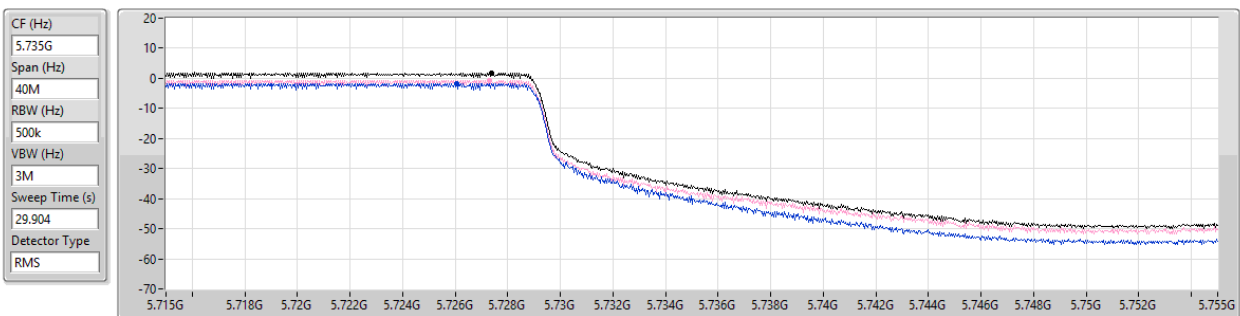
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	-1.43	-0.55

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5690MHz Straddle 5.725-5.85GHz

20/06/2024



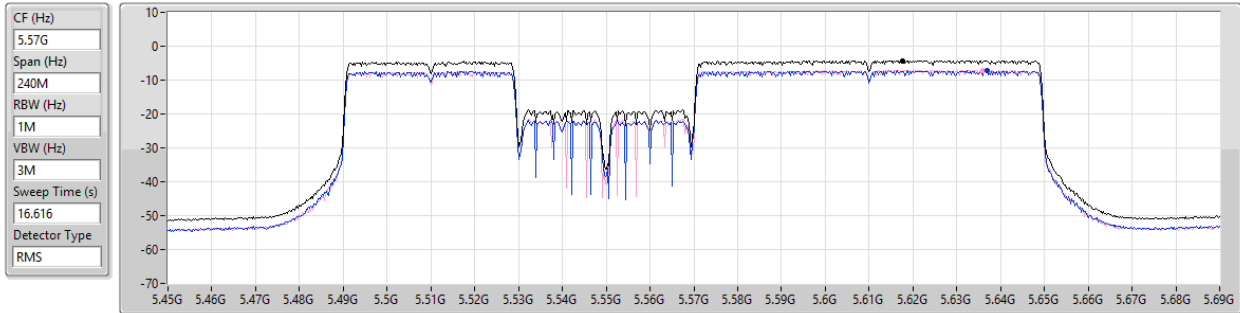
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.84	1.84	-1.72	-0.62

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX

PSD

5570MHz

20/06/2024



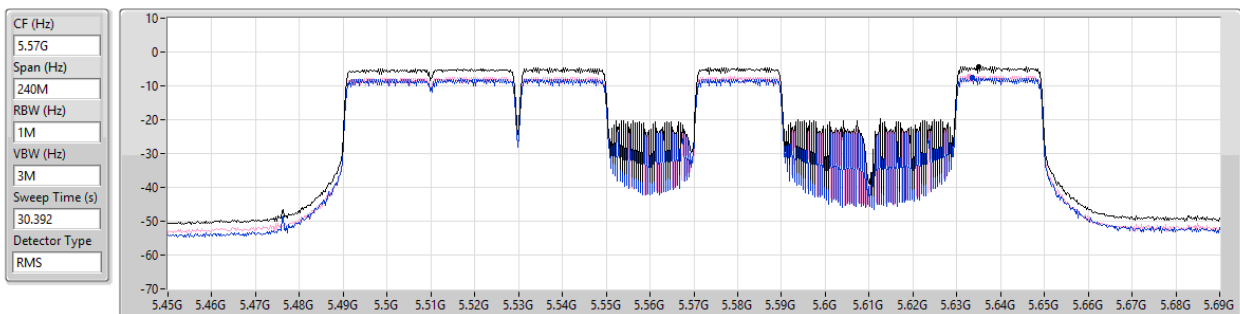
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.23	-4.23	-7.28	-7.06

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_2TX

PSD

5570MHz

20/06/2024



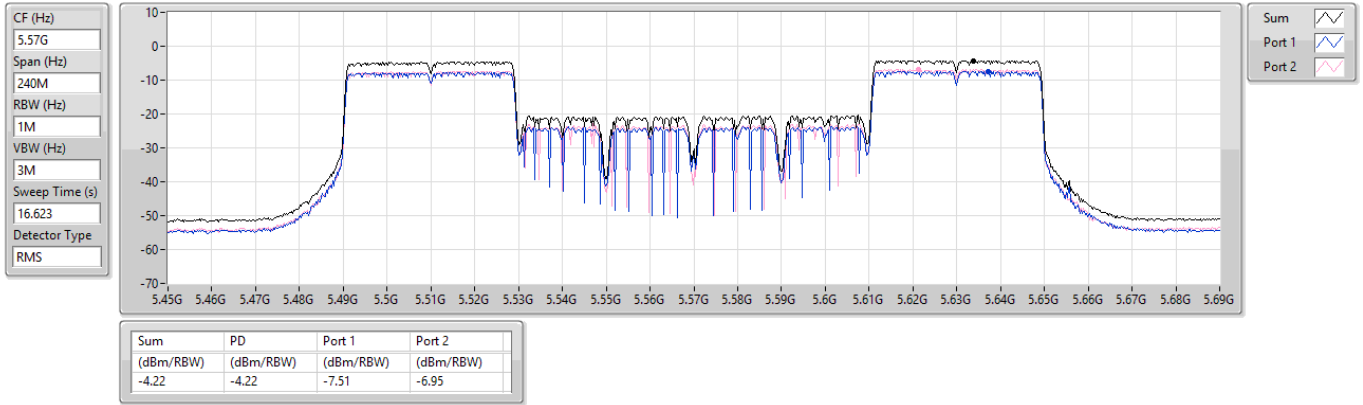
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-4.34	-4.34	-7.60	-7.06

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_2TX

PSD

5570MHz

20/06/2024



Test Mode: Mode 5

Summary

Mode	PD (dBm/RBW)
5.47-5.725GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	4.06
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_4TX	-1.30
5.725-5.85GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	2.46

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.57	-1.66	-2.44	-2.72	-2.12	3.71	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5530MHz	Pass	5.57	-2.25	-3.14	-3.18	-2.54	3.15	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5610MHz	Pass	5.57	-2.00	-2.78	-3.01	-2.32	3.27	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5610MHz	Pass	5.57	-2.01	-2.86	-3.05	-2.35	3.25	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	5.57	-1.31	-1.83	-2.45	-1.65	4.06	11.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5690MHz Straddle 5.47-5.725GHz	Pass	5.57	-1.34	-2.25	-2.39	-1.83	3.94	11.00
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	4.69	-2.72	-3.52	-3.96	-3.22	2.46	30.00
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5690MHz Straddle 5.725-5.85GHz	Pass	4.69	-2.90	-3.79	-4.10	-3.33	2.37	30.00
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	5.57	-7.78	-8.50	-8.73	-8.11	-2.42	11.00
802.11be EHT160_Nss1,(MCS0),RU726+RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	5.57	-6.58	-7.26	-7.57	-6.87	-1.34	11.00
802.11be EHT160_Nss1,(MCS0),RU484+RU484 MRU 1_4TX	-	-	-	-	-	-	-	-
5570MHz	Pass	5.57	-6.50	-7.31	-7.80	-6.90	-1.30	11.00

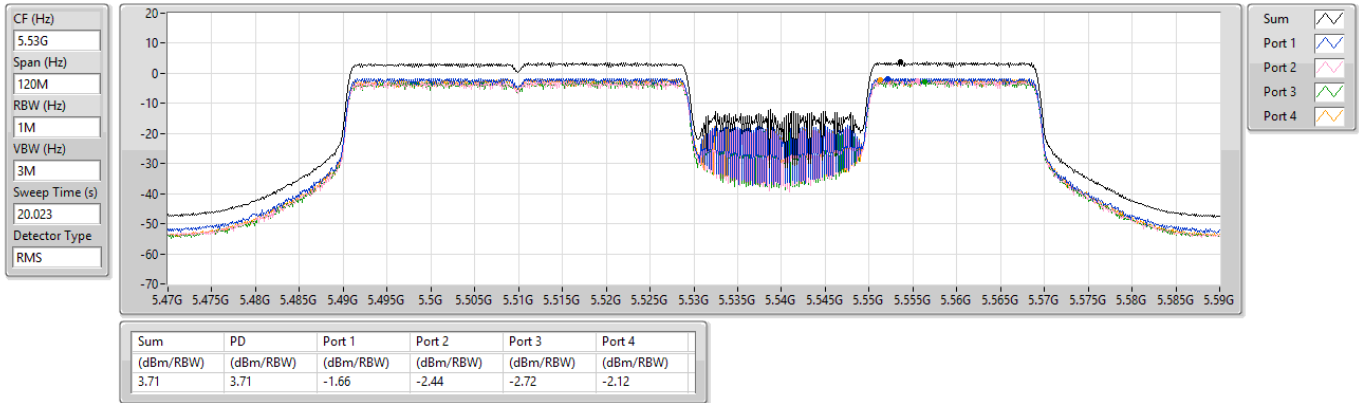
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5530MHz

20/06/2024

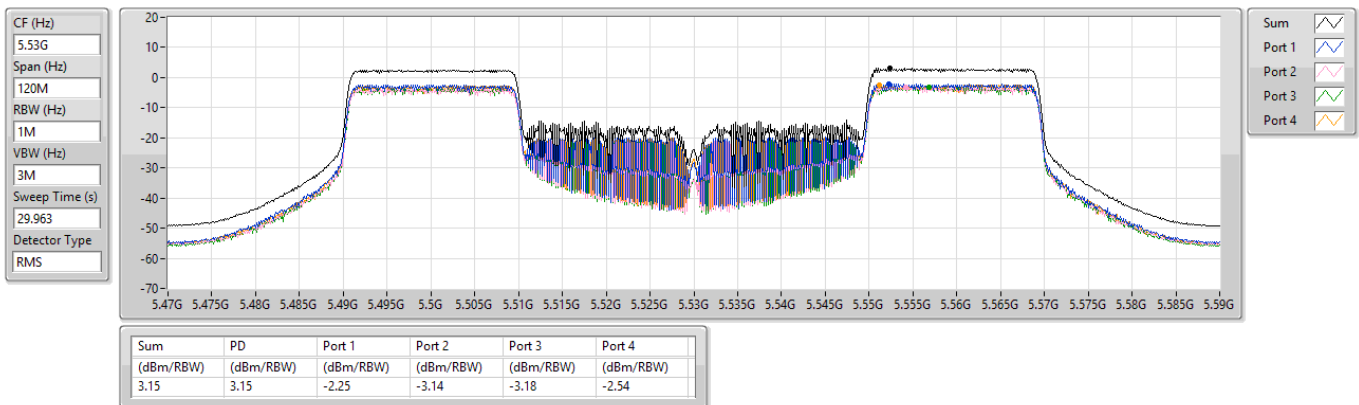


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5530MHz

20/06/2024

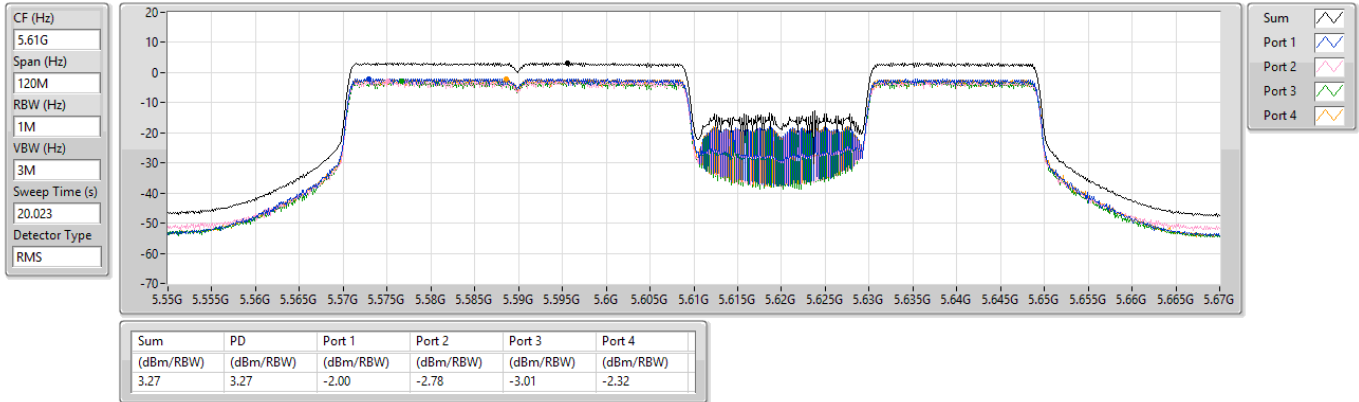


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5610MHz

20/06/2024

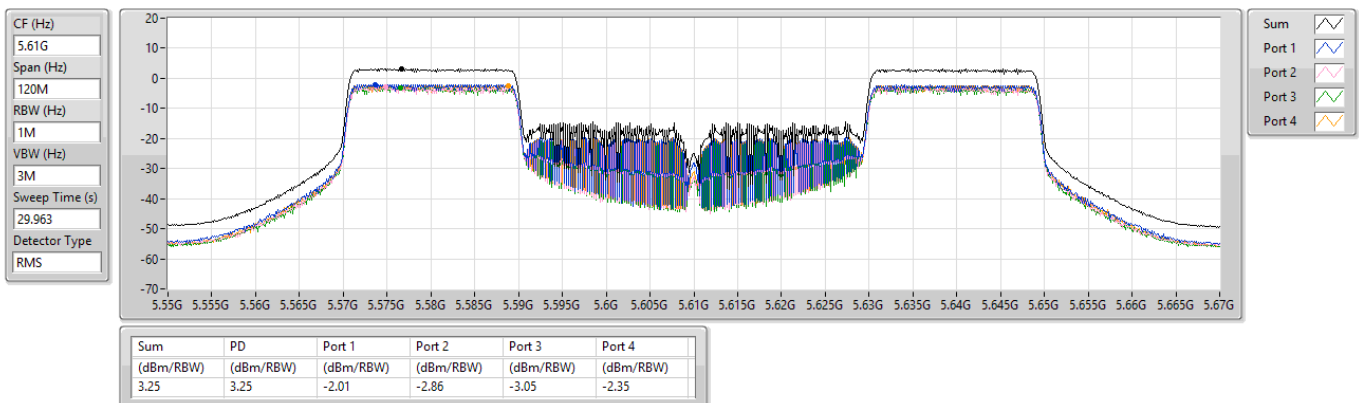


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5610MHz

20/06/2024

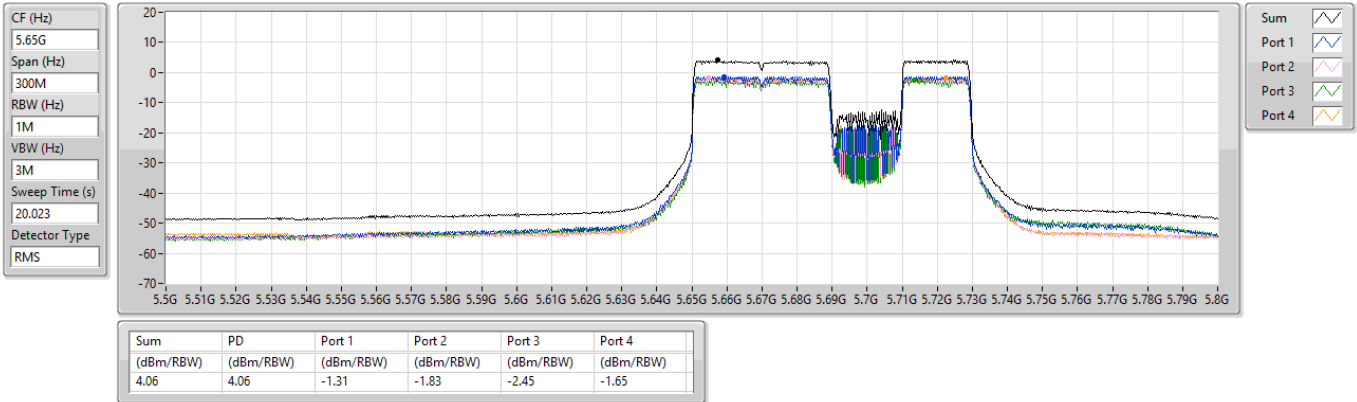


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024



5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

20/06/2024

