



RADIO TEST REPORT

FCC ID : 2AXXQHNRM30
Equipment : Wi-Fi7 Tri-band AP Router
Brand Name : HUMAX NETWORKS
Model Name : HNRM30
Applicant : Humax Networks, INC
216, Hwangsaеul-ro, Bundang-gu, Seongnam-si, South Korea 13595
Manufacturer : Humax Networks, INC
216, Hwangsaеul-ro, Bundang-gu, Seongnam-si, South Korea 13595
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 06, 2024, and testing was started from Aug. 09, 2024 and completed on Feb. 13, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 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.)



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	13
1.3 Testing Location Information	13
1.4 Measurement Uncertainty	14
2 Test Configuration of EUT	15
2.1 Test Channel Mode	15
2.2 The Worst Case Measurement Configuration	18
2.3 EUT Operation during Test	20
2.4 Accessories	20
2.5 Support Equipment.....	20
2.6 Test Setup Diagram	22
3 Transmitter Test Result	25
3.1 AC Power-line Conducted Emissions	25
3.2 Emission Bandwidth	27
3.3 Maximum Output Power	28
3.4 Power Spectral Density	31
3.5 Unwanted Emissions.....	34
4 Test Equipment and Calibration Data	38
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



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: Cathy Chiu**



1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT20-BF	20	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11be EHT20	20	4TX
5.15-5.25GHz	802.11be EHT20-BF	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11n HT40-BF	40	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11be EHT40	40	4TX



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



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

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

MRU (static preamble puncturing)

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

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

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.	Port				Brand	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth /Zigbee					
1	4	1	-	-	Galtronics	60-3693-03-2	PCB	I-PEX	Note 1
2	3	2	-	-	Galtronics	60-3693-03-2	PCB	I-PEX	
3	2	3	-	-	Galtronics	60-3693-03-1	PCB	I-PEX	
4	1	4	-	-	Galtronics	60-3693-03-1	PCB	I-PEX	
5	-	-	3	-	Galtronics	60-3695-03-2	PCB	I-PEX	
6	-	-	2	-	Galtronics	60-3610-03	PCB	I-PEX	
7	-	-	1	-	Galtronics	60-3695-03-2	PCB	I-PEX	
8	-	-	4	-	Galtronics	60-3610-03	PCB	I-PEX	
9	-	-	-	1	Galtronics	AT6901	Printed	N/A	

Note 1:

Ant.	Antenna Gain (dBi)										
	WLAN 2.4GHz	WLAN 5GHz				WLAN 6GHz				Bluetooth/ Zigbee	GPS
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5	UNII 6	UNII 7	UNII 8		
1	3.68	3.73	3.25	3.77	3.16	-	-	-	-	-	-
2	2.53	3.43	3.21	3.82	3.85	-	-	-	-	-	-
3	3.76	5.24	5.15	5.05	4.94	-	-	-	-	-	-
4	4.06	4.80	4.41	3.96	3.87	-	-	-	-	-	-
5	-	-	-	-	-	4.67	4.16	4.37	4.01	-	-
6	-	-	-	-	-	3.76	3.24	4.42	4.17	-	-
7	-	-	-	-	-	4.63	5.06	4.31	4.58	-	-
8	-	-	-	-	-	3.75	3.58	3.93	4.38	-	-
9	-	-	-	-	-	-	-	-	-	3.83	-

Item	Directional Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz			
		UNII 1	UNII 2A	UNII 2C	UNII 3
4T1S	4.75	5.35	5.86	5.30	5.17
4T2S	4.06	5.24	5.15	5.05	4.94
4T4S	4.06	5.24	5.15	5.05	4.94

Note 2: The above information (except gain of Ant. 1~4 and directional gain) was declared by the manufacturer.

Note 3: For 2.4GHz/5GHz, the antenna gain and directional gain are measured which follow the procedure of KDB 662911 D03.

**For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax/be (4TX/4RX):**

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 5GHz function:**For IEEE 802.11 a/n/ac/ax/be (4TX/4RX):**

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For 6GHz function:**For IEEE 802.11 ax/be (4TX/4RX):**

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 could transmit/receive simultaneously.

For Bluetooth function (1TX/1RX):

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

For Zigbee function (1TX/1RX):

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

1.1.4 Mode Test Duty Cycle**For Full_RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11a_Nss 1,(6D)	0.944	0.25	2.065m	1k
802.11be EHT20_Nss 1,(M0)	0.979	0.09	1.496m	1k
802.11be EHT40_Nss 1,(M0)	0.959	0.18	780.625u	3k
802.11be EHT80_Nss 1,(M0)	0.925	0.34	409.375u	3k
802.11be EHT160_Nss 1,(M0)	0.876	0.57	240.5u	10k
802.11be EHT20-BF_Nss 1,(M0)	0.893	0.49	3.114m	1k
802.11be EHT40-BF_Nss 1,(M0)	0.916	0.38	4.648m	300
802.11be EHT80-BF_Nss 1,(M0)	0.922	0.35	4.405m	300
802.11be EHT160-BF_Nss 1,(M0)	0.941	0.26	5.11m	300

For Multi_RU:

Mode	DC	DCF (dB)	T (s)	VBW (Hz) 1/T
802.11be EHT80_Nss 1,(M0)	-	-	-	-
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.938	0.28	543.438u	3k
802.11be EHT160_Nss 1,(M0)	-	-	-	-
802.11be EHT160_Nss 1,(M0),RU996+RU484+RU242	0.884	0.54	267.5u	10k
802.11be EHT160_Nss 1,(M0),RU996+RU484	0.898	0.47	298.594u	10k

Note:

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

**1.1.5 EUT Operational Condition**

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☒	Supported Static Puncturing		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported		
Support RU	☒	Full RU	☒	Partial RU
Test Software Version	For RF Conducted test: accessMtool 3.3.0.8 For Radiated above 1GHz test: For Non-beamforming mode: accessMtool 3.3.0.8 For Beamforming mode: DOS[ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.6 Table for EUT Support Function

Function
AP
Mesh
Bridge

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	22.5~23.7 / 63~64	Aug. 20, 2024~Oct. 21, 2024
Radiated (Below 1GHz)	03CH04-CB	Ederson Huang	22.7-23.8 / 56-59	Jan. 21, 2025~Feb. 12, 2025
	03CH05-CB	Ederson Huang	21.6-22.7 / 56-59	Jan. 21, 2025~Feb. 12, 2025
Radiated (Above 1GHz)	03CH02-CB	Ederson Huang	21.8-22.9 / 55-58	Aug. 09, 2024~Oct. 14, 2024
	03CH04-CB	Ederson Huang	22.7-23.8 / 56-59	Aug. 09, 2024~Oct. 14, 2024
Radiated (Co-location)	03CH05-CB	Ederson Huang	21.6-22.7 / 56-59	Oct. 21, 2024
AC Conduction	CO02-CB	Gray Lee	21~23 / 49~50	Feb. 13, 2025



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 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:

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



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

**For Multi_RU:**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_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),RU484+RU242 MRU 3_4TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 2_4TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_4TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 2_4TX
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_4TX
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 5_4TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_4TX
5570MHz

Note:

- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.

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 + WLAN 2.4GHz
2	EUT + WLAN 5GHz
3	EUT + WLAN 6GHz
4	EUT + Bluetooth
5	EUT + Zigbee
For operating mode 1 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	Full RU

The Worst Case Mode for Following Conformance Tests	
Tests Item	Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	Full RU
2	Multi RU



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, and the worst case was found at Y-axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y-axis + WLAN 2.4GHz
2	EUT in Y-axis + WLAN 5GHz
3	EUT in Y-axis + WLAN 6GHz
4	EUT in Y-axis + Bluetooth
5	EUT in Y-axis + Zigbee
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 at Y-axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y-axis

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
After evaluating, and the worst case was found at Y-axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in Y-axis + WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Bluetooth
2	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + Zigbee
Refer to Sporton Test Report No.: FA470906 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	NetBit	NBS42D120333VU	INPUT: 100-120V~, 50/60Hz, 1.0A OUTPUT: 12.0V, 3.33A
Others			
RJ-45 cable*1, non-shielded, 1.53m			

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN NB	DELL	E6430	N/A
B	Flash disk3.0	Transcend	JetFlash-700	N/A

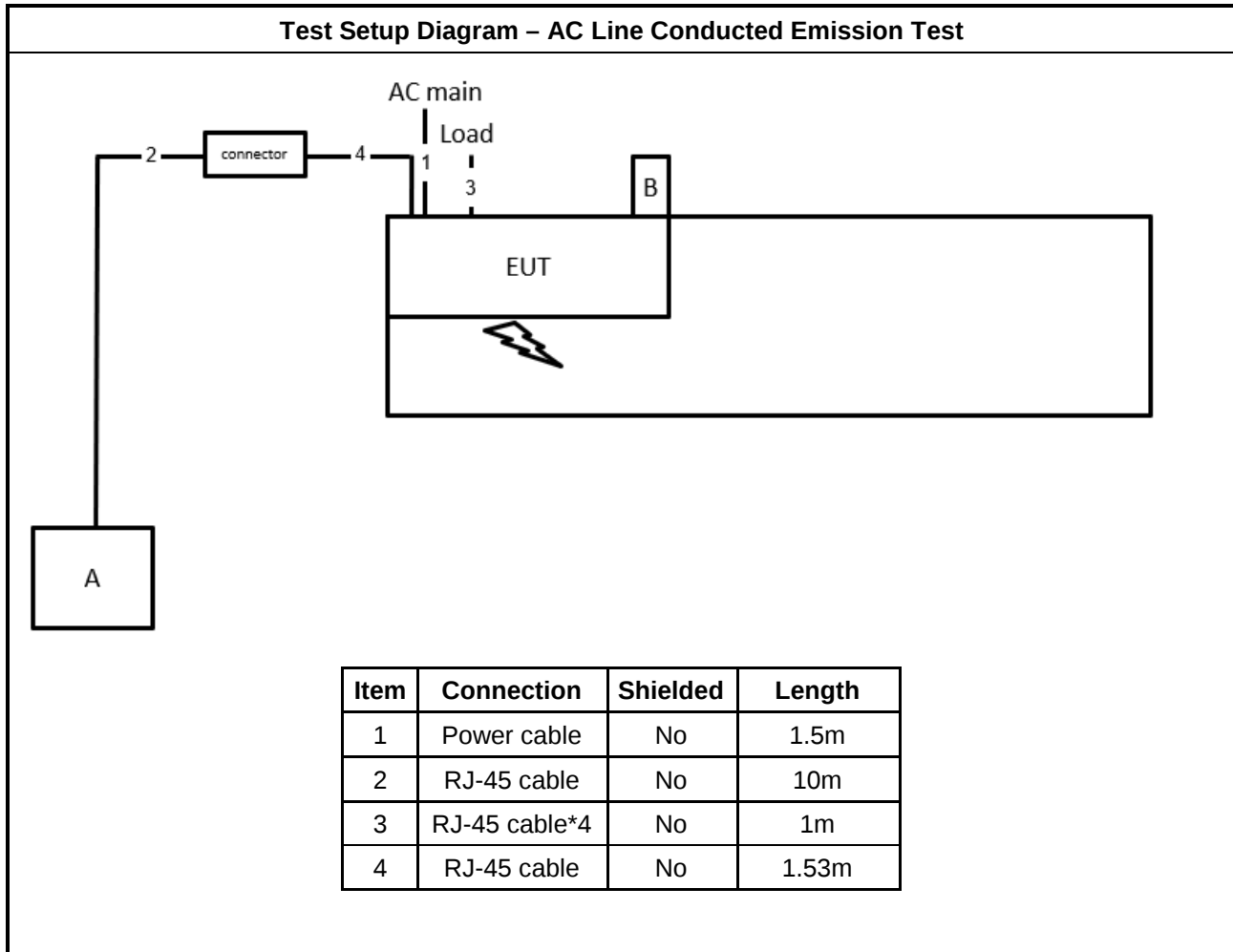
For Radiated (below 1GHz), Radiated (above 1GHz) / Non-beamforming mode and RF Conducted:

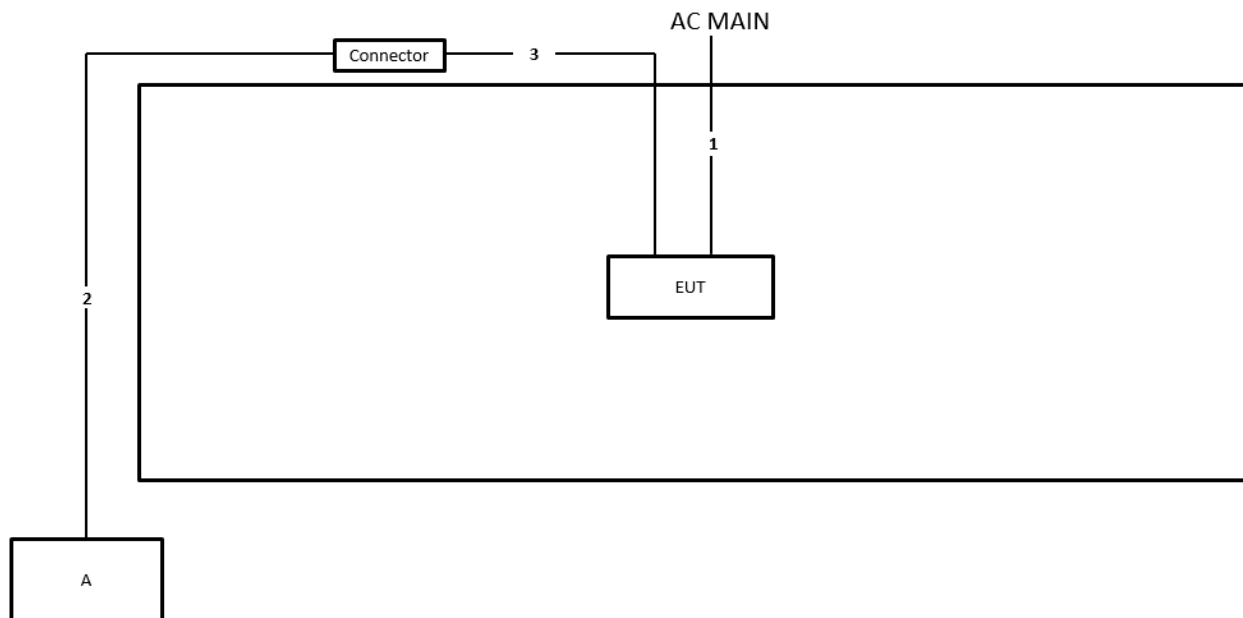
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

**For Radiated (above 1GHz) / Beamforming mode:**

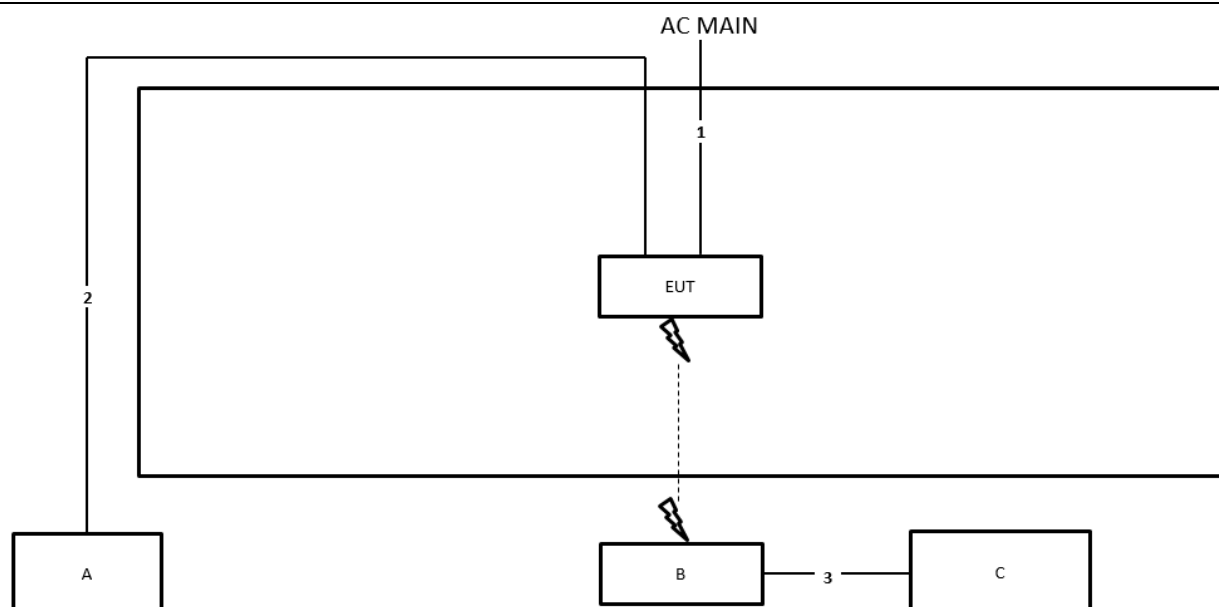
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	gateway/router	HNRM30	N/A
C	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz / Non-beamforming


Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.53m

Test Setup Diagram - Radiated Test > 1GHz / Beamforming mode


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



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.		

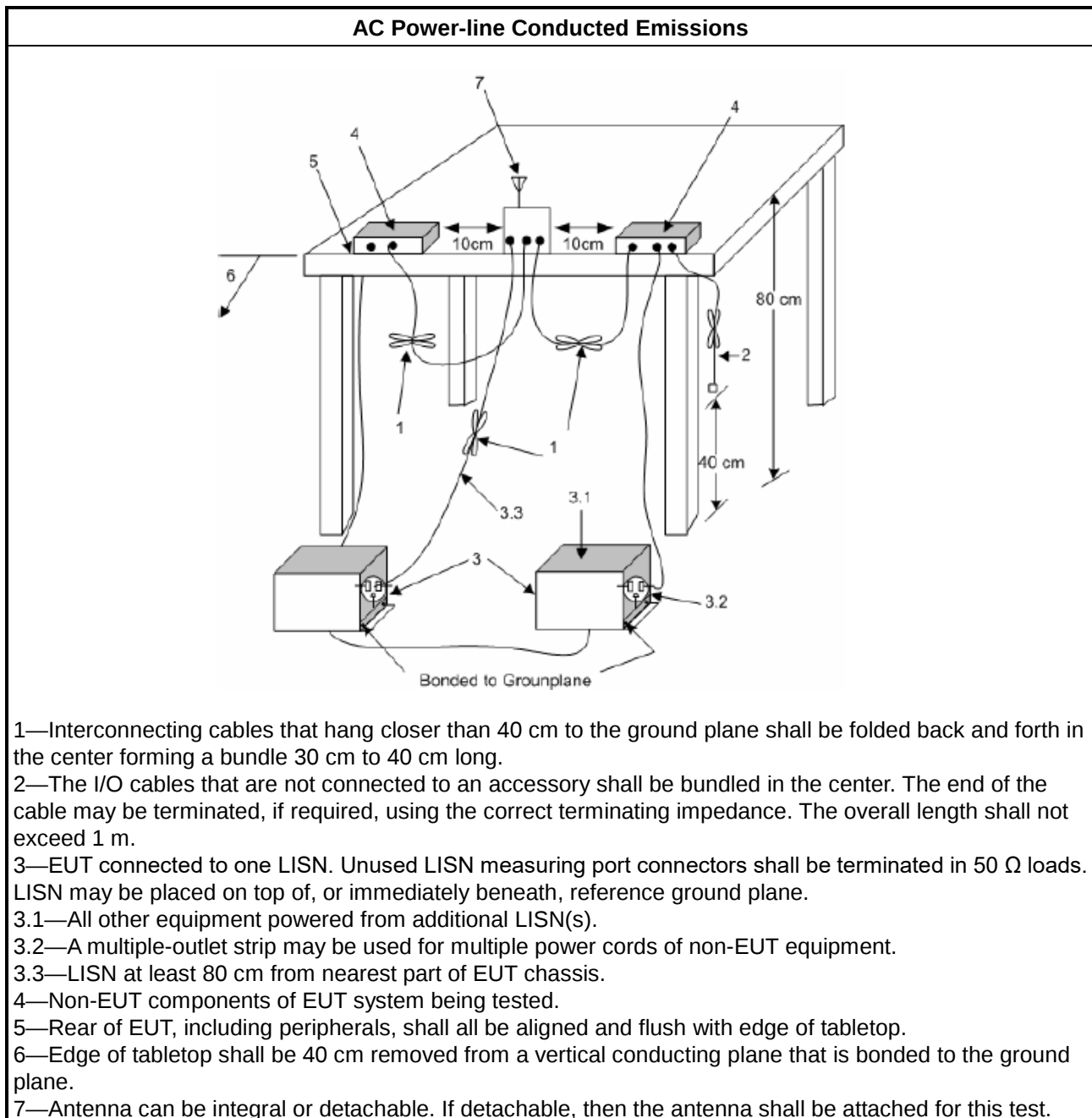
3.1.2 Measuring Instruments

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 $\geq 500\text{kHz}$.

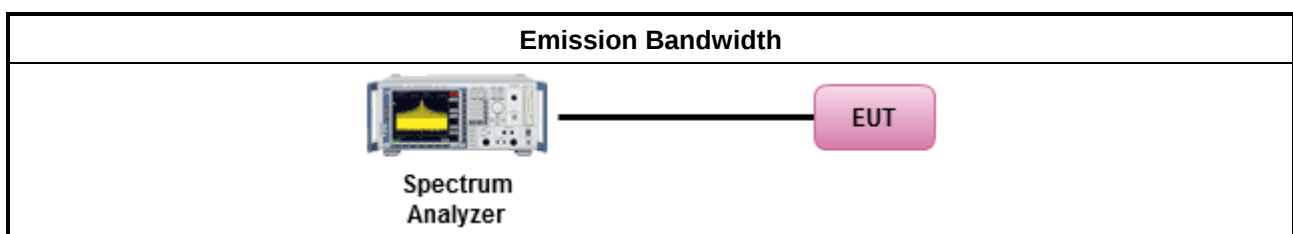
3.2.2 Measuring Instruments

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:	
	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
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:	

	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

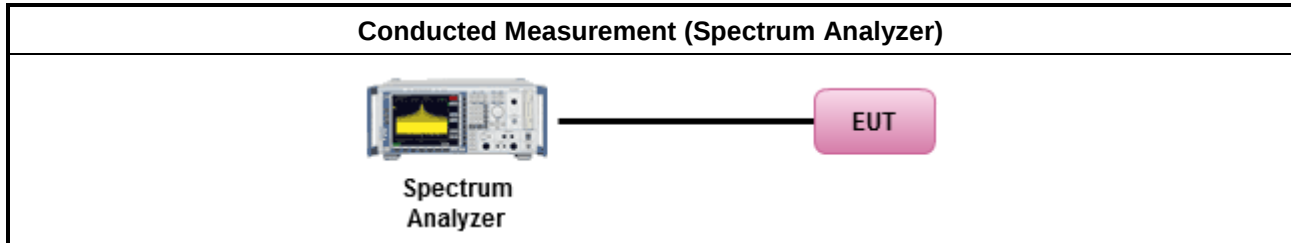
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

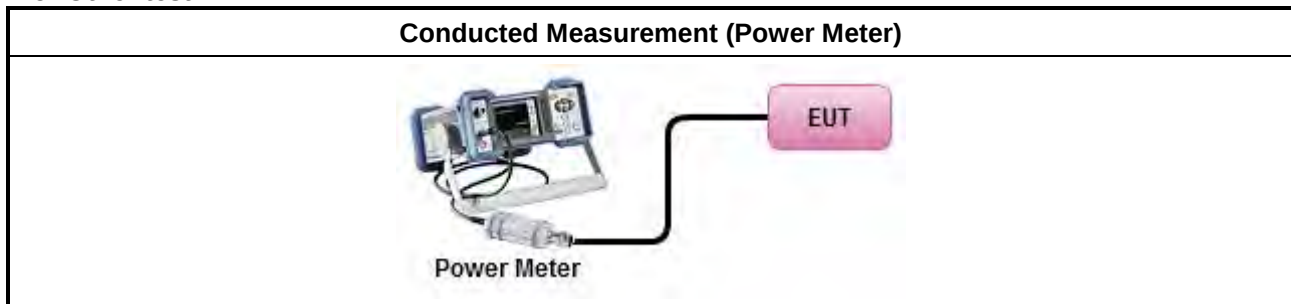
Test Method	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty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



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:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (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:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.4.2 Measuring Instruments

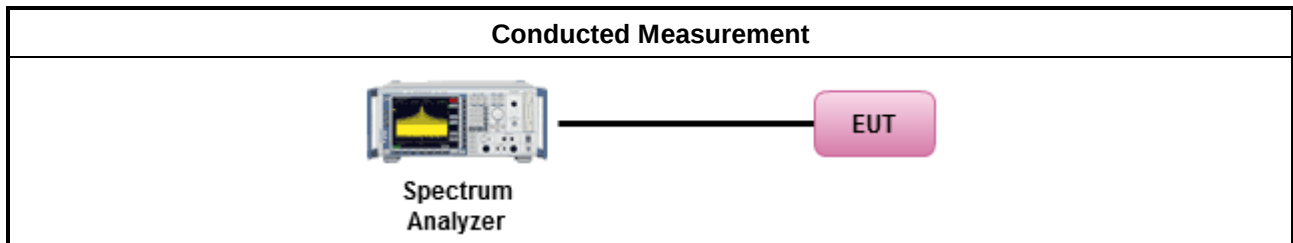
Refer a test equipment and calibration data table in this test report.

**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).

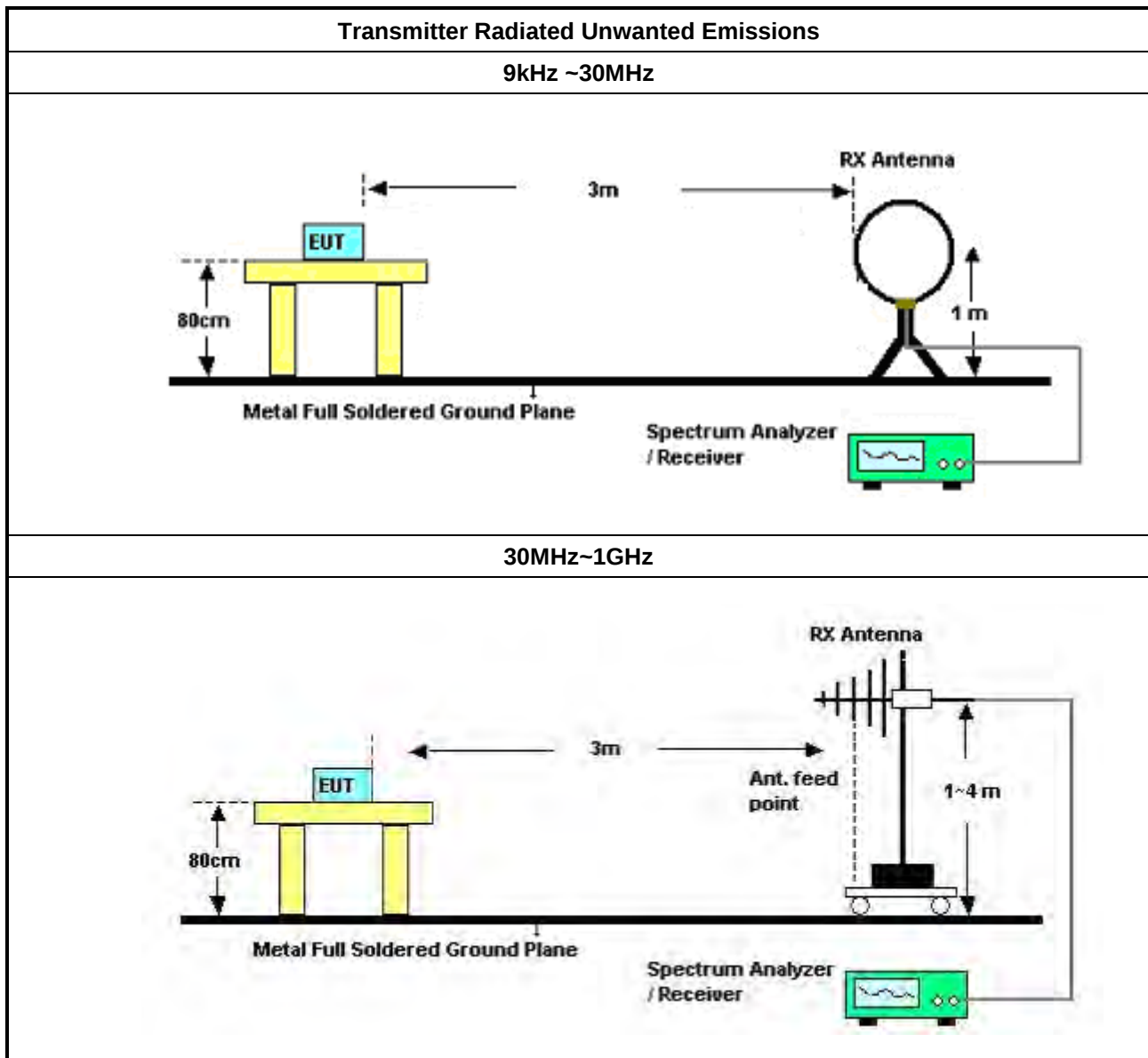
3.5.2 Measuring Instruments

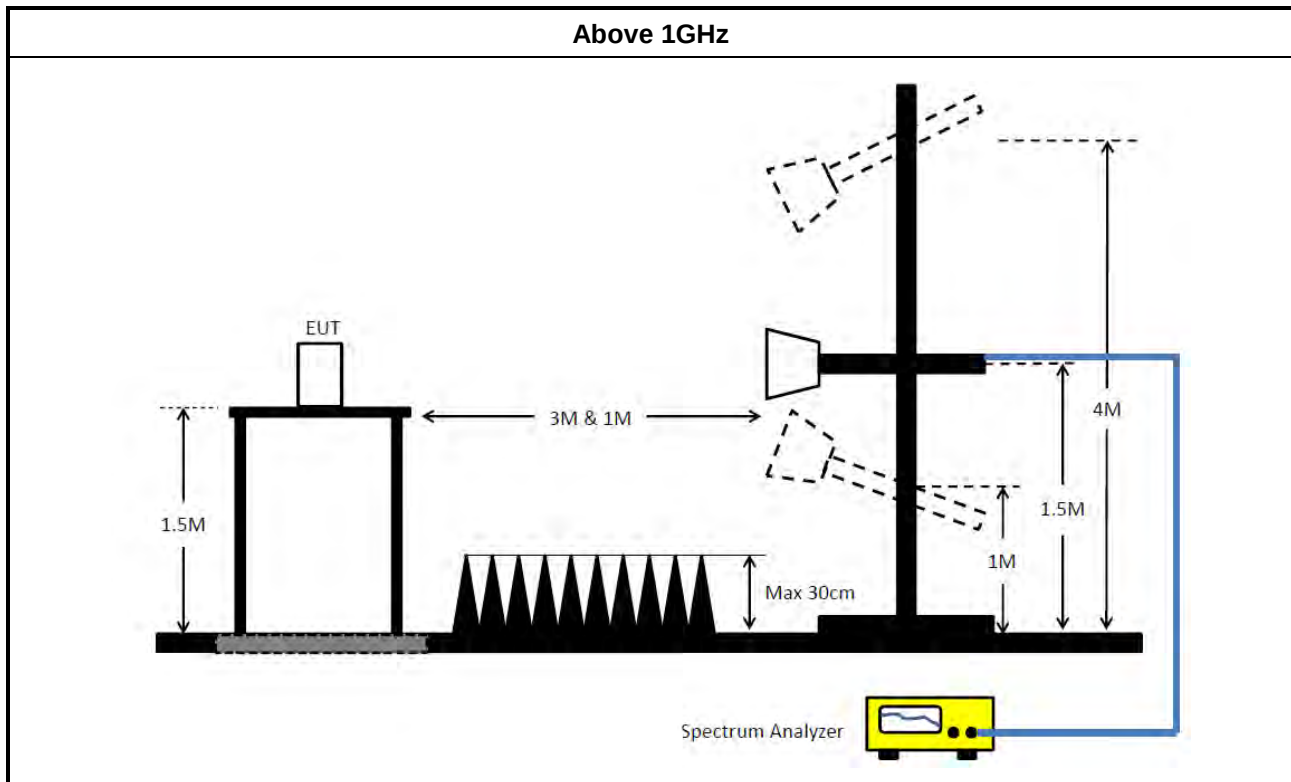
Refer a test equipment and calibration data table in this test report.

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 ≥ 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





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 24, 2024	Mar. 23, 2025	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 12, 2024	Apr. 11, 2025	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	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-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH04-CB	30 MHz ~ 1 GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 22, 2024	Feb. 21, 2025	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
BILOG ANTENNA with 6 dB attenuator	Schaffner & EMCI	CBL6112B & N-6-06	22021&AT-N0 607	30MHz ~ 1GHz	Oct. 05, 2024	Oct. 04, 2025	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH04-CB)
Pre-Amplifier	EMCI	EMC330N	980391	20MHz ~ 3GHz	May 22, 2024	May 21, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 17, 2024	Jan. 16, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 19, 2024	Mar. 18, 2025	Radiation (03CH04-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 7GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH04-CB)
RF Cable-low	Woken	RG402	Low Cable-03+67	30MHz ~ 1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 29, 2023	Sep. 28, 2024	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 28, 2024	Sep. 27, 2025	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jul. 09, 2024	Jul. 08, 2025	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH05-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102171	9kHz ~ 7GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Jul. 27, 2024	Jul. 26, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-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)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Oct. 02, 2024	Oct. 01, 2025	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-06	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	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-07	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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-08	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	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-09	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	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-10	1 GHz – 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Cable 9k-18G	Woken	RG402	Cable-95	9 kHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jul. 12, 2024	Jul. 11, 2025	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



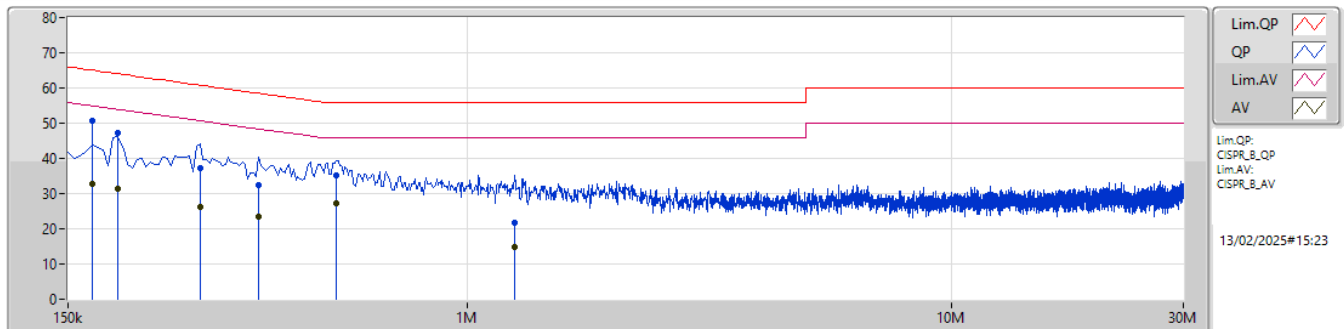
Conducted Emissions at Powerline

Appendix A

Summary

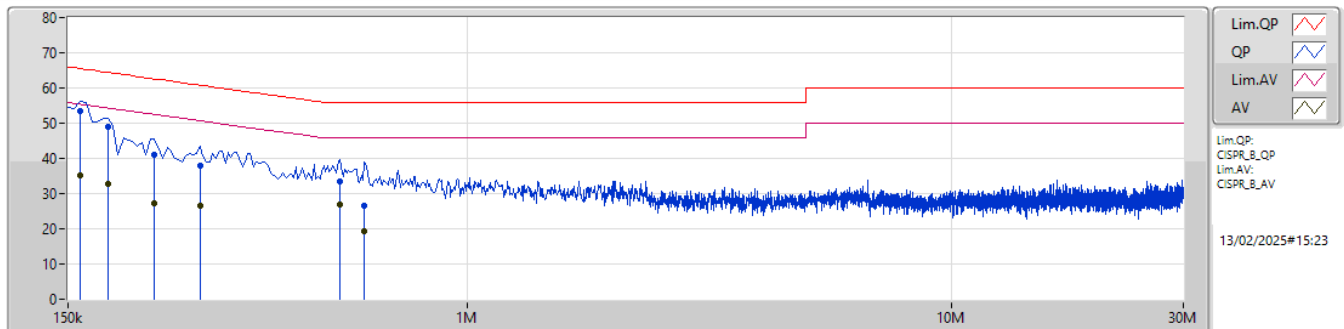
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	159k	53.29	65.52	-12.23	Neutral

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	50.59	65.06	-14.47	10.15	Line	"Worst"	40.44	0.05	0.08	10.02						
AV	168k	32.93	55.06	-22.13	10.15	Line	-	22.78	0.05	0.08	10.02						
QP	190.5k	47.26	64.01	-16.75	10.14	Line	-	37.12	0.05	0.07	10.02						
AV	190.5k	31.39	54.01	-22.62	10.14	Line	-	21.25	0.05	0.07	10.02						
QP	280.5k	37.11	60.80	-23.69	10.15	Line	-	26.96	0.05	0.08	10.02						
AV	280.5k	26.07	50.80	-24.73	10.15	Line	-	15.92	0.05	0.08	10.02						
QP	370.5k	32.42	58.49	-26.07	10.18	Line	-	22.24	0.05	0.10	10.03						
AV	370.5k	23.31	48.49	-25.18	10.18	Line	-	13.13	0.05	0.10	10.03						
QP	537k	35.31	56.00	-20.69	10.19	Line	-	25.12	0.06	0.10	10.03						
AV	537k	27.26	46.00	-18.74	10.19	Line	-	17.07	0.06	0.10	10.03						
QP	1.253M	21.82	56.00	-34.18	10.21	Line	-	11.61	0.08	0.11	10.02						
AV	1.253M	14.94	46.00	-31.06	10.21	Line	-	4.73	0.08	0.11	10.02						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	53.29	65.52	-12.23	10.15	Neutral	"Worst"	43.14	0.05	0.08	10.02						
AV	159k	35.22	55.52	-20.30	10.15	Neutral	-	25.07	0.05	0.08	10.02						
QP	181.5k	49.13	64.41	-15.28	10.14	Neutral	-	38.99	0.05	0.07	10.02						
AV	181.5k	32.77	54.41	-21.64	10.14	Neutral	-	22.63	0.05	0.07	10.02						
QP	226.5k	41.10	62.58	-21.48	10.15	Neutral	-	30.95	0.05	0.08	10.02						
AV	226.5k	27.20	52.58	-25.38	10.15	Neutral	-	17.05	0.05	0.08	10.02						
QP	280.5k	37.98	60.80	-22.82	10.15	Neutral	-	27.83	0.05	0.08	10.02						
AV	280.5k	26.45	50.80	-24.35	10.15	Neutral	-	16.30	0.05	0.08	10.02						
QP	546k	33.57	56.00	-22.43	10.18	Neutral	-	23.39	0.05	0.10	10.03						
AV	546k	26.74	46.00	-19.26	10.18	Neutral	-	16.56	0.05	0.10	10.03						
QP	613.5k	26.49	56.00	-29.51	10.18	Neutral	-	16.31	0.05	0.10	10.03						
AV	613.5k	19.22	46.00	-26.78	10.18	Neutral	-	9.04	0.05	0.10	10.03						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.65M	17.042M	17M0D1D	20.405M	16.627M
802.11be EHT20_Nss1,(MCS0)_4TX	24.97M	19.37M	19M4D1D	20.9M	18.954M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.805M	19.442M	19M4D1D	20.9M	19.021M
802.11be EHT40_Nss1,(MCS0)_4TX	49.72M	37.932M	37M9D1D	39.49M	37.744M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	48.18M	38.004M	38M0D1D	40.26M	37.684M
802.11be EHT80_Nss1,(MCS0)_4TX	84.7M	77.406M	77M4D1D	81.4M	77.165M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	83.38M	77.531M	77M5D1D	81.18M	77.126M
802.11be EHT160_Nss1,(MCS0)_4TX	80.24M	77.245M	77M2D1D	80M	76.742M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.44M	77.492M	77M5D1D	80.08M	76.949M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.705M	17.208M	17M2D1D	20.625M	16.631M
802.11be EHT20_Nss1,(MCS0)_4TX	29.15M	19.223M	19M2D1D	21.23M	19.005M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.09M	19.316M	19M3D1D	21.12M	19.036M
802.11be EHT40_Nss1,(MCS0)_4TX	53.02M	38.123M	38M1D1D	40.15M	37.685M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	49.61M	37.964M	38M0D1D	40.59M	37.697M
802.11be EHT80_Nss1,(MCS0)_4TX	97.24M	77.584M	77M6D1D	80.08M	77.035M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	90.2M	77.221M	77M2D1D	80.52M	76.938M
802.11be EHT160_Nss1,(MCS0)_4TX	80.24M	77.634M	77M6D1D	79.84M	76.88M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	81.36M	77.211M	77M2D1D	79.92M	77.018M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	22.44M	17.052M	17M1D1D	16.125M	13.673M
802.11be EHT20_Nss1,(MCS0)_4TX	23.265M	19.149M	19M1D1D	15.675M	14.507M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	24.64M	19.122M	19M1D1D	15.585M	14.525M
802.11be EHT40_Nss1,(MCS0)_4TX	45.54M	38.024M	38M0D1D	35.595M	33.71M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	44.33M	37.923M	37M9D1D	35.105M	33.724M
802.11be EHT80_Nss1,(MCS0)_4TX	86.68M	77.507M	77M5D1D	75.375M	72.993M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	85.36M	77.689M	77M7D1D	75.525M	73.235M
802.11be EHT160_Nss1,(MCS0)_4TX	163.68M	156.19M	156MD1D	161.92M	155.277M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	162.36M	156.445M	156MD1D	161.92M	155.613M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.335M	18.669M	18M7D1D	3.1M	4.838M
802.11be EHT20_Nss1,(MCS0)_4TX	19.03M	19.35M	19M4D1D	4.46M	5.19M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	19.195M	19.191M	19M2D1D	4.48M	4.931M
802.11be EHT40_Nss1,(MCS0)_4TX	37.95M	37.984M	38M0D1D	3.94M	6.097M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	38.17M	37.944M	37M9D1D	3.76M	6.798M
802.11be EHT80_Nss1,(MCS0)_4TX	76.78M	77.494M	77M5D1D	2.74M	8.423M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	77.66M	77.436M	77M4D1D	3.96M	8.051M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.955M	17.042M	21.285M	16.943M	21.12M	16.916M	21.725M	16.837M
5200MHz	Pass	Inf	20.405M	16.856M	21.23M	16.893M	22.33M	16.858M	21.89M	16.822M
5240MHz	Pass	Inf	23.65M	16.803M	23.54M	16.808M	21.34M	16.791M	21.56M	16.627M
5260MHz	Pass	Inf	21.12M	17.208M	21.34M	16.687M	21.23M	17.097M	23.705M	16.79M
5300MHz	Pass	Inf	20.625M	16.871M	21.395M	16.902M	21.175M	16.925M	21.89M	16.811M
5320MHz	Pass	Inf	21.67M	16.809M	21.67M	16.935M	21.12M	16.896M	21.395M	16.631M
5500MHz	Pass	Inf	21.065M	16.753M	21.67M	16.83M	21.725M	16.882M	21.89M	17.052M
5580MHz	Pass	Inf	21.725M	16.709M	21.065M	16.88M	22.44M	16.872M	21.01M	16.855M
5700MHz	Pass	Inf	21.065M	16.538M	21.01M	16.621M	21.01M	16.552M	21.01M	16.771M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.455M	13.673M	16.125M	13.673M	18.765M	13.688M	16.635M	13.733M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	4.858M	3.1M	4.998M	3.14M	4.838M	3.12M	5.017M
5745MHz	Pass	500k	16.28M	17.591M	16.28M	17.151M	16.28M	17.305M	16.335M	17.129M
5785MHz	Pass	500k	16.28M	17.987M	16.335M	17.415M	16.28M	17.129M	16.28M	16.998M
5825MHz	Pass	500k	16.28M	18.669M	16.335M	18.251M	16.335M	17.701M	16.335M	17.459M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	24.42M	19.036M	20.9M	18.954M	24.97M	19.167M	24.53M	19.072M
5200MHz	Pass	Inf	21.285M	19.099M	21.945M	19.076M	20.955M	19.103M	21.56M	18.993M
5240MHz	Pass	Inf	21.67M	19.37M	22.55M	19.099M	22.275M	19.067M	22.165M	19.144M
5260MHz	Pass	Inf	21.395M	19.059M	24.695M	19.011M	24.09M	19.123M	21.23M	19.013M
5300MHz	Pass	Inf	21.395M	19.223M	29.15M	19.083M	22.77M	19.029M	22.385M	19.148M
5320MHz	Pass	Inf	25.245M	19.005M	21.835M	19.014M	22.055M	19.077M	23.1M	19.071M
5500MHz	Pass	Inf	20.955M	18.985M	21.56M	19.043M	23.265M	19.019M	21.505M	19.064M
5580MHz	Pass	Inf	21.45M	19.094M	21.45M	19.149M	21.615M	19.09M	21.175M	19.105M
5700MHz	Pass	Inf	20.9M	18.933M	21.12M	19.036M	20.9M	18.983M	21.615M	18.931M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.675M	14.507M	15.9M	14.519M	17.895M	14.527M	15.84M	14.64M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	5.19M	4.46M	5.635M	4.48M	5.369M	4.52M	5.215M
5745MHz	Pass	500k	18.865M	19.35M	18.81M	19.235M	18.81M	19.26M	18.755M	19.271M
5785MHz	Pass	500k	18.81M	19.181M	18.92M	19.202M	18.92M	19.189M	19.03M	19.184M
5825MHz	Pass	500k	18.755M	19.237M	18.645M	19.182M	18.755M	19.165M	19.03M	19.143M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.98M	37.772M	40.92M	37.812M	49.72M	37.78M	40.59M	37.749M
5230MHz	Pass	Inf	39.49M	37.854M	41.14M	37.744M	40.48M	37.825M	41.47M	37.932M
5270MHz	Pass	Inf	42.13M	37.892M	40.15M	37.686M	42.02M	37.694M	42.35M	37.685M
5310MHz	Pass	Inf	44.33M	37.888M	41.58M	38.123M	43.56M	37.885M	53.02M	37.923M
5510MHz	Pass	Inf	40.92M	37.736M	45.54M	38.001M	42.79M	37.8M	42.35M	37.866M
5550MHz	Pass	Inf	39.6M	37.825M	39.82M	38.024M	39.93M	37.83M	39.71M	37.881M
5670MHz	Pass	Inf	41.58M	37.663M	40.37M	37.792M	42.35M	37.786M	41.69M	37.861M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.84M	33.93M	36.26M	33.71M	36.015M	33.831M	35.595M	33.873M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	6.097M	4M	8.475M	3.94M	7.263M	3.98M	9.476M
5755MHz	Pass	500k	37.73M	37.984M	37.62M	37.943M	37.62M	37.977M	37.95M	37.906M
5795MHz	Pass	500k	37.73M	37.97M	37.62M	37.884M	37.51M	37.906M	37.62M	37.917M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	84.7M	77.406M	81.4M	77.17M	82.28M	77.31M	81.4M	77.165M
5290MHz	Pass	Inf	97.24M	77.035M	80.3M	77.348M	82.06M	77.146M	80.08M	77.584M
5530MHz	Pass	Inf	83.82M	77.457M	86.68M	77.436M	80.52M	77.208M	81.4M	77.183M
5610MHz	Pass	Inf	84.7M	77.234M	81.4M	77.061M	83.16M	77.384M	82.28M	77.507M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	80.25M	73.216M	75.375M	73.569M	80.325M	73.414M	85.275M	72.993M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	8.584M	2.74M	15.218M	3.7M	8.423M	3.96M	9.299M
5775MHz	Pass	500k	76.12M	77.494M	76.78M	77.418M	76.34M	77.433M	75.9M	77.372M
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	77.245M	80M	76.971M	80M	76.742M	80M	76.973M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	79.84M	77.076M	79.84M	77.634M	80.24M	77.337M	79.92M	76.88M
5570MHz	Pass	Inf	163.68M	155.495M	162.8M	156.19M	161.92M	155.779M	162.8M	155.277M
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5180MHz	Pass	Inf	21.725M	19.045M	24.805M	19.021M	21.285M	19.06M	23.155M	19.045M
5200MHz	Pass	Inf	21.395M	19.442M	21.89M	19.118M	22.11M	19.04M	20.9M	19.079M
5240MHz	Pass	Inf	22.165M	19.14M	23.21M	19.057M	23.375M	19.161M	21.45M	19.157M
5260MHz	Pass	Inf	21.505M	19.06M	21.285M	19.109M	22.495M	19.316M	21.56M	19.155M
5300MHz	Pass	Inf	22.22M	19.118M	22.275M	19.138M	21.615M	19.11M	23.265M	19.036M
5320MHz	Pass	Inf	22.825M	19.061M	23.705M	19.071M	21.12M	19.169M	24.09M	19.051M
5500MHz	Pass	Inf	22.275M	19.028M	22.275M	19.119M	22.825M	19.076M	23.43M	19.096M
5580MHz	Pass	Inf	24.42M	19.122M	23.375M	19.015M	21.725M	19.023M	24.64M	19.055M
5700MHz	Pass	Inf	21.45M	18.968M	21.34M	18.978M	20.79M	18.99M	21.01M	18.992M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.69M	14.55M	15.585M	14.626M	16.365M	14.525M	15.93M	14.549M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	5.203M	4.48M	4.931M	4.58M	4.984M	4.52M	4.947M
5745MHz	Pass	500k	19.14M	19.142M	18.865M	19.191M	19.14M	19.095M	18.975M	19.071M
5785MHz	Pass	500k	19.14M	19.074M	18.48M	19.028M	19.085M	19.071M	19.085M	19.112M
5825MHz	Pass	500k	19.03M	19.043M	19.195M	19.092M	19.03M	18.992M	19.085M	19.025M
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.36M	38.004M	43.12M	37.718M	42.68M	37.838M	42.24M	37.907M
5230MHz	Pass	Inf	40.59M	37.883M	40.26M	37.794M	48.18M	37.737M	41.14M	37.684M
5270MHz	Pass	Inf	41.03M	37.747M	42.02M	37.697M	41.03M	37.763M	41.03M	37.757M
5310MHz	Pass	Inf	42.46M	37.89M	49.61M	37.714M	40.59M	37.964M	41.91M	37.816M
5510MHz	Pass	Inf	40.48M	37.888M	41.58M	37.823M	40.04M	37.731M	40.59M	37.8M
5550MHz	Pass	Inf	41.25M	37.726M	40.04M	37.758M	41.8M	37.923M	41.03M	37.711M
5670MHz	Pass	Inf	41.36M	37.847M	40.26M	37.66M	39.49M	37.881M	44.33M	37.754M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.105M	33.791M	35.385M	33.797M	36.33M	33.83M	36.575M	33.724M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	6.798M	3.76M	10.046M	3.98M	7.163M	4.04M	7.549M
5755MHz	Pass	500k	37.95M	37.819M	37.84M	37.765M	36.08M	37.944M	37.29M	37.864M
5795MHz	Pass	500k	37.95M	37.888M	37.73M	37.676M	37.62M	37.845M	38.17M	37.835M
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	83.16M	77.361M	82.94M	77.531M	83.38M	77.256M	81.18M	77.126M
5290MHz	Pass	Inf	89.54M	77.13M	83.6M	76.938M	80.52M	77.221M	90.2M	77.083M
5530MHz	Pass	Inf	85.36M	77.132M	83.38M	77.188M	81.18M	77.433M	83.16M	77.383M
5610MHz	Pass	Inf	80.52M	77.082M	81.4M	77.336M	80.74M	77.689M	83.38M	77.12M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.8M	73.395M	75.6M	73.235M	75.75M	73.482M	75.525M	73.347M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	10.763M	3.96M	12.674M	3.98M	8.051M	4.02M	11.815M
5775MHz	Pass	500k	76.56M	77.283M	76.78M	77.073M	77.22M	77.436M	77.66M	77.253M
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	76.984M	80.72M	76.949M	81.44M	77.492M	80.08M	77.163M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	77.106M	79.92M	77.211M	80M	77.209M	79.92M	77.018M
5570MHz	Pass	Inf	161.92M	156.246M	161.92M	156.445M	162.36M	156.001M	162.36M	155.613M

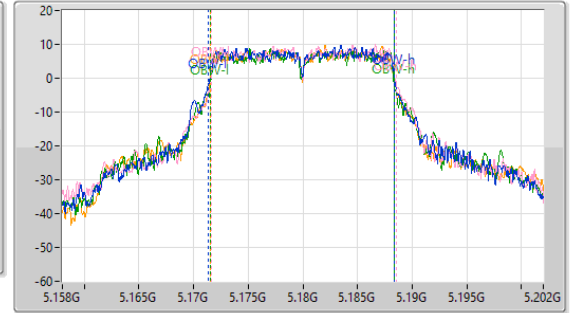
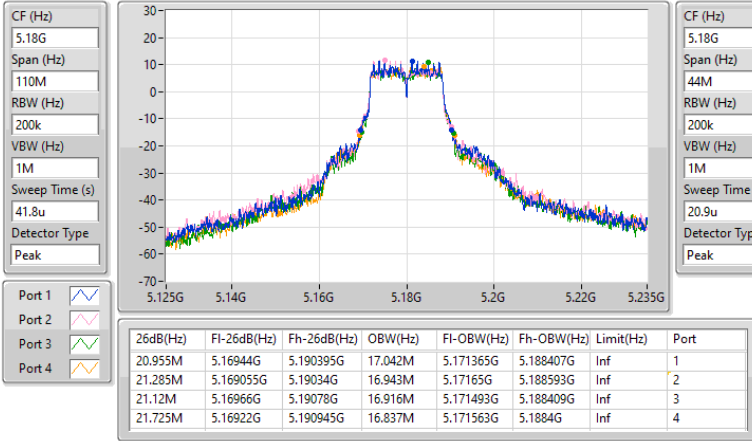
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

20/08/2024

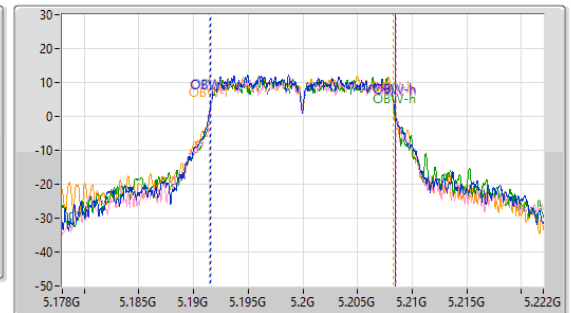
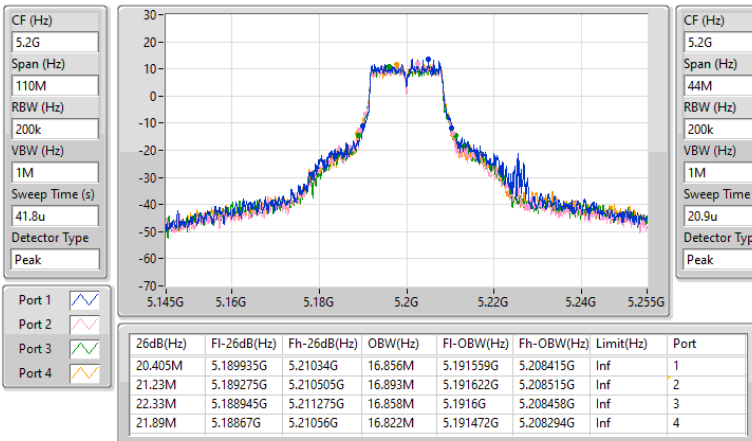


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

20/08/2024

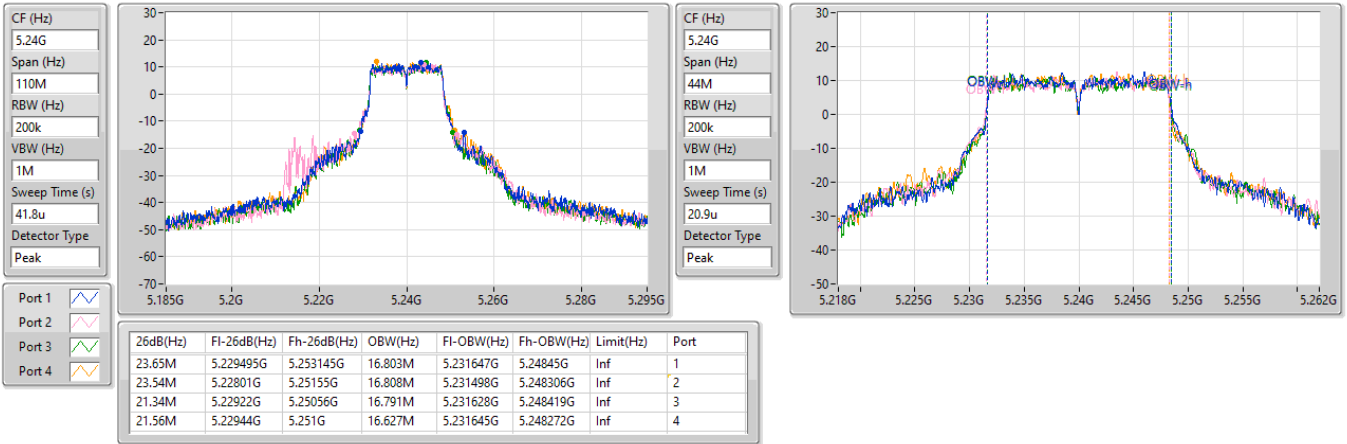


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

20/08/2024

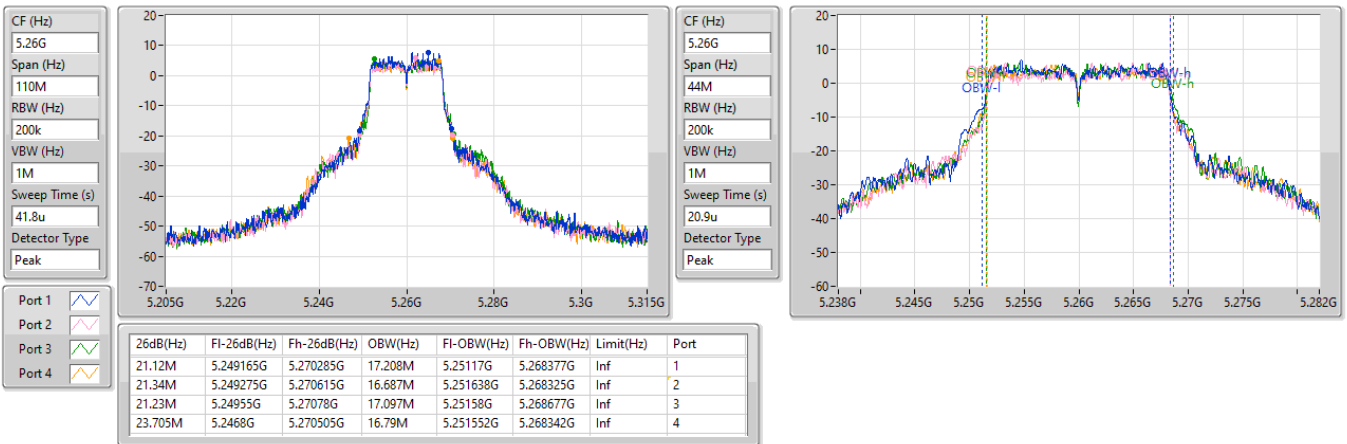


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

21/08/2024

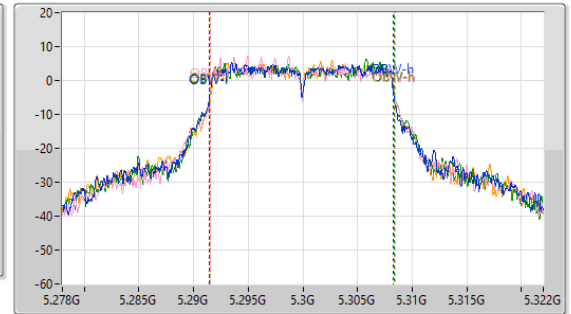
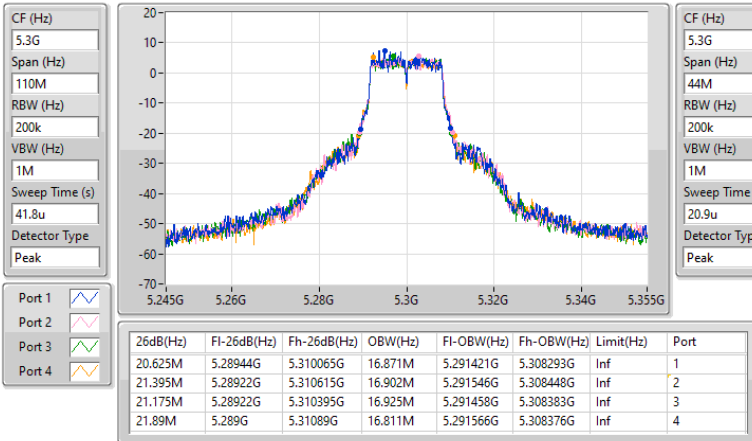


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

21/08/2024

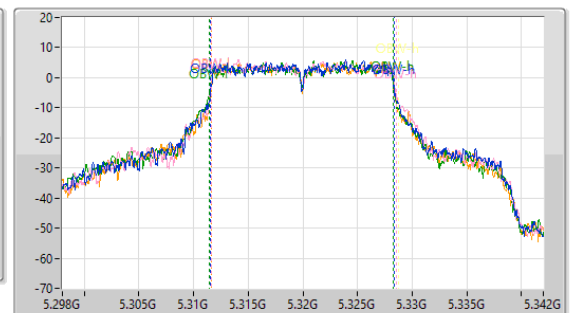
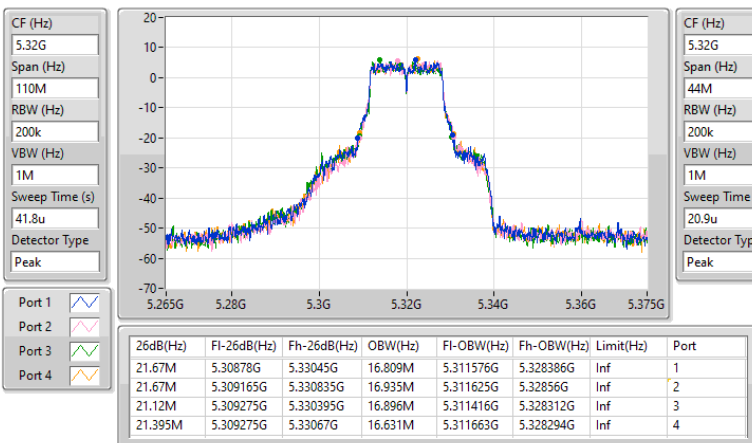


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

21/08/2024

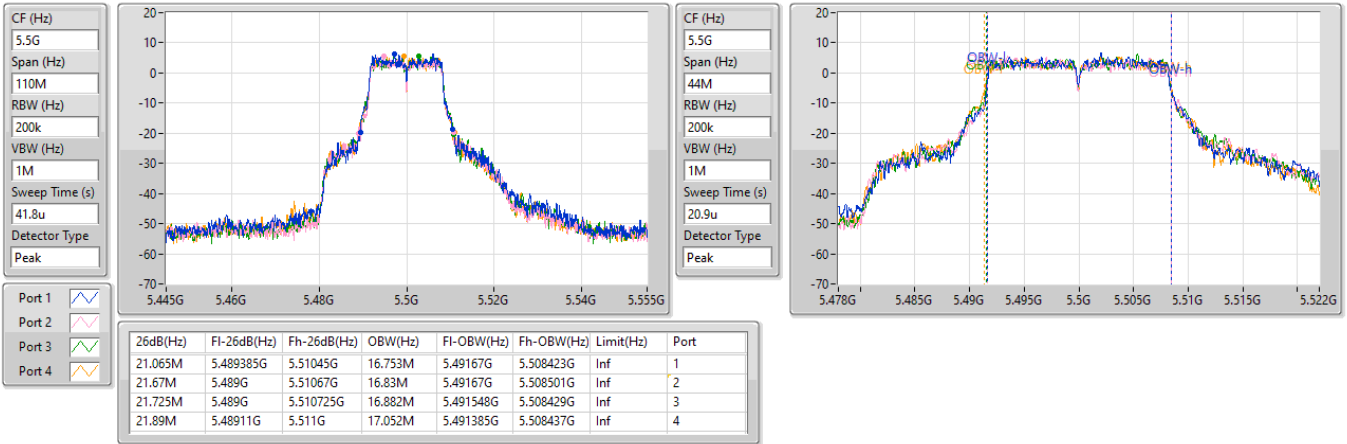


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

21/08/2024

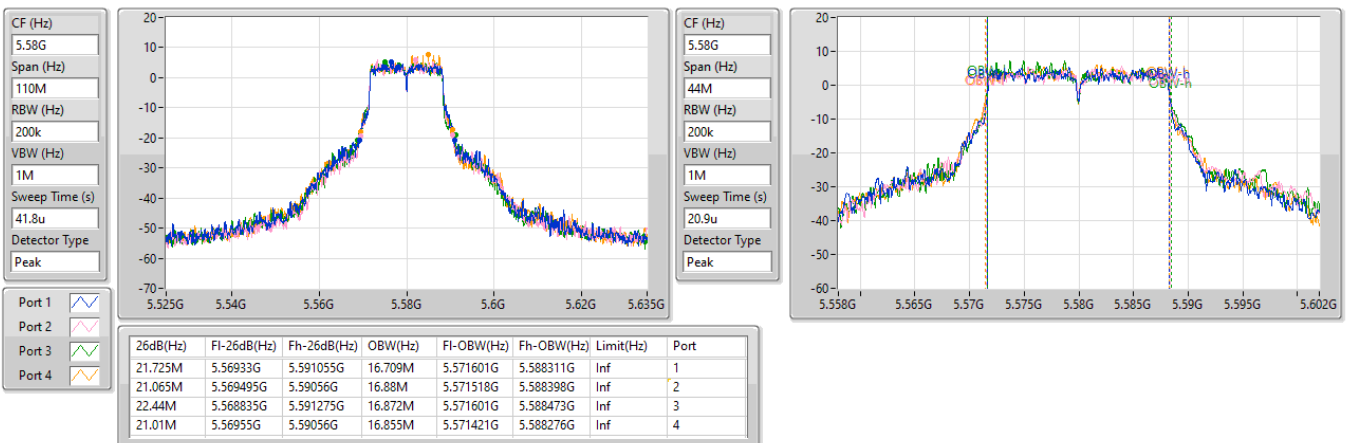


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

21/08/2024

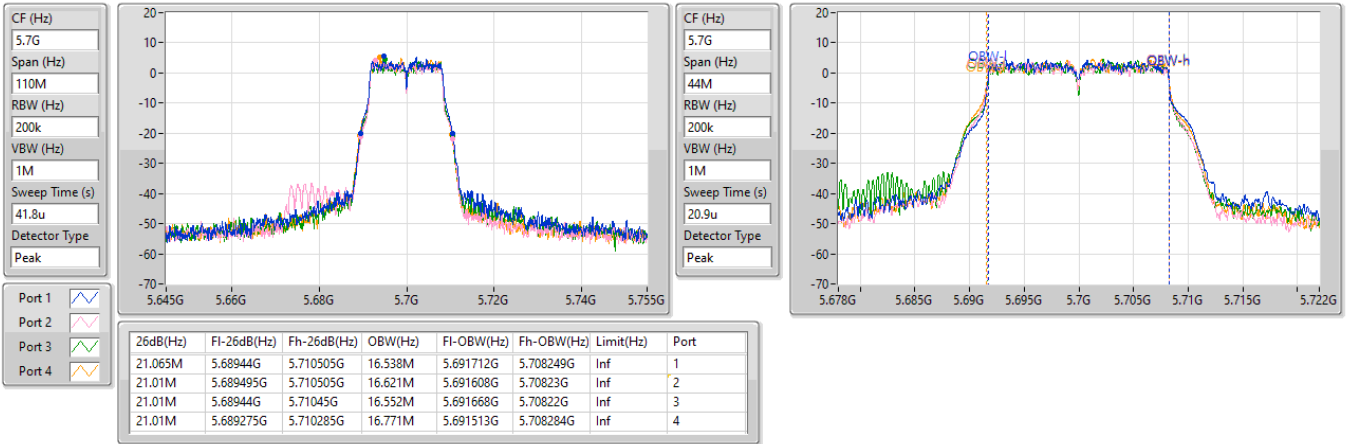


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

21/08/2024

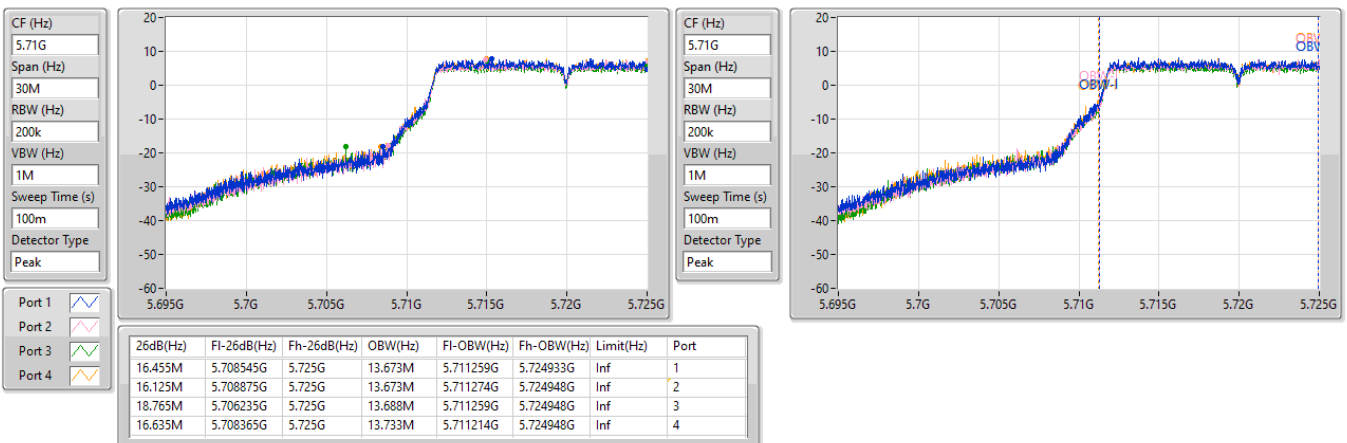


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/09/2024

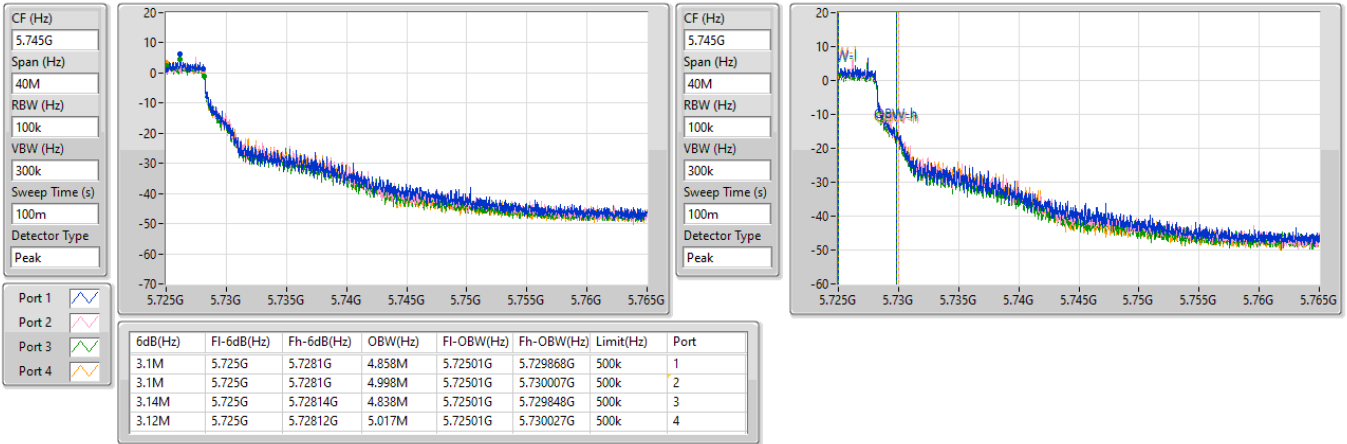


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/09/2024

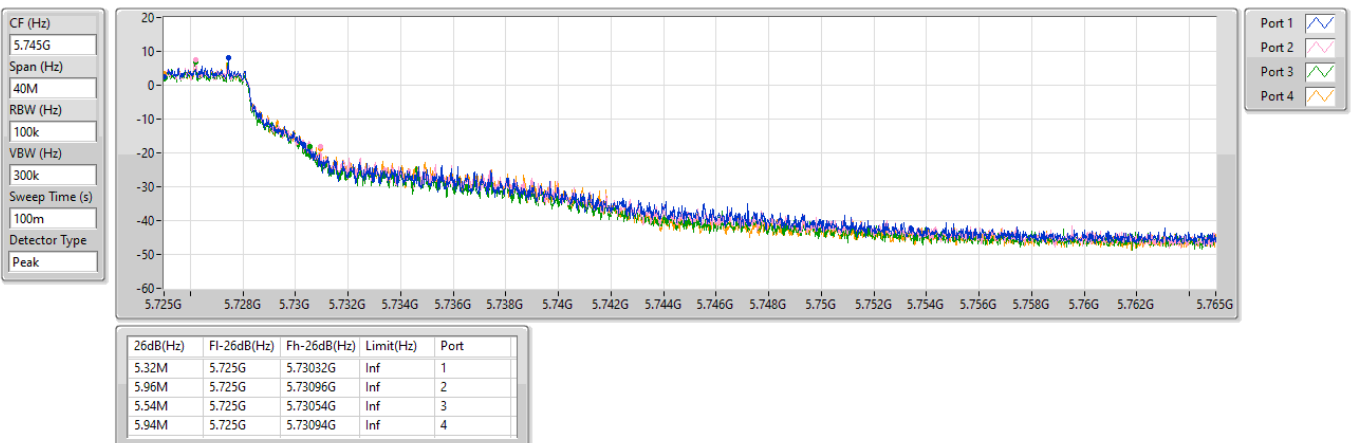


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

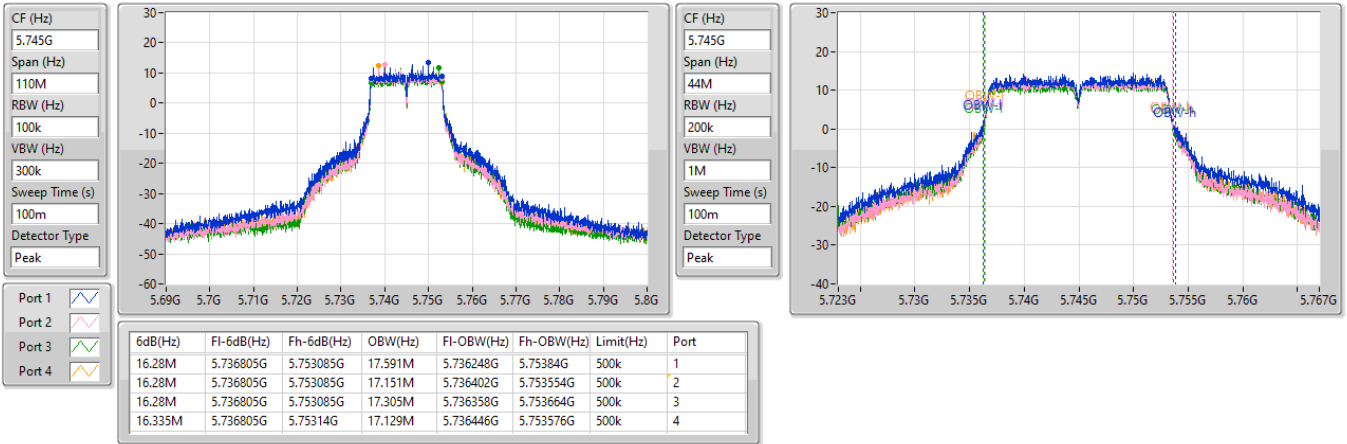
5720MHz Straddle 5.725-5.85GHz

24/09/2024



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

24/09/2024


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5745MHz

24/09/2024

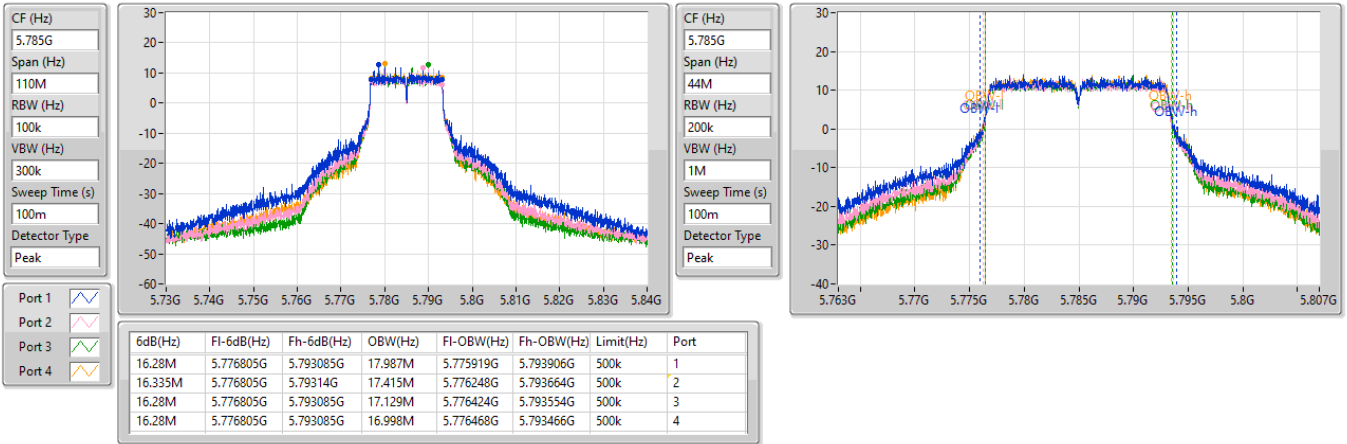


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

24/09/2024

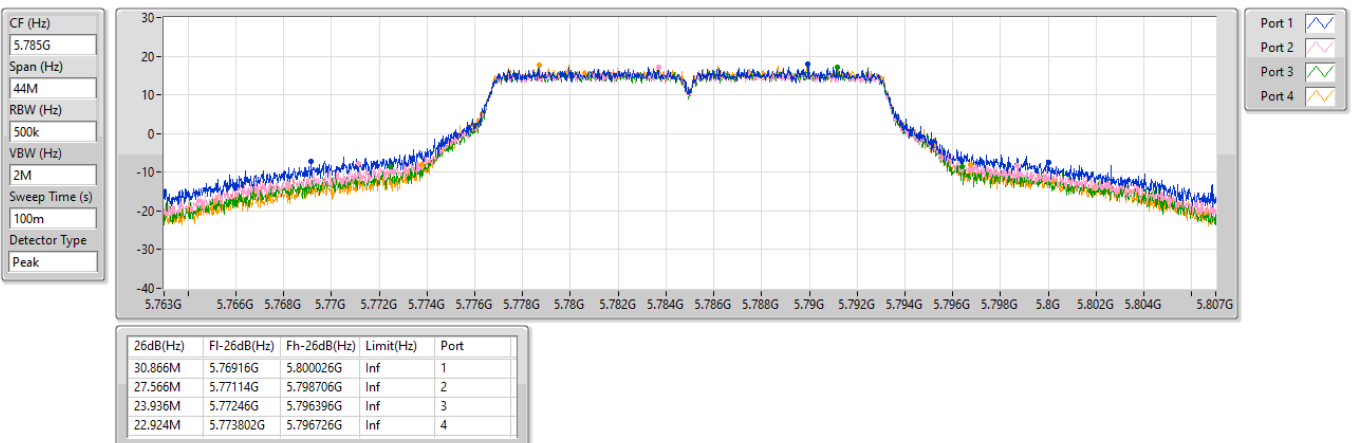


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

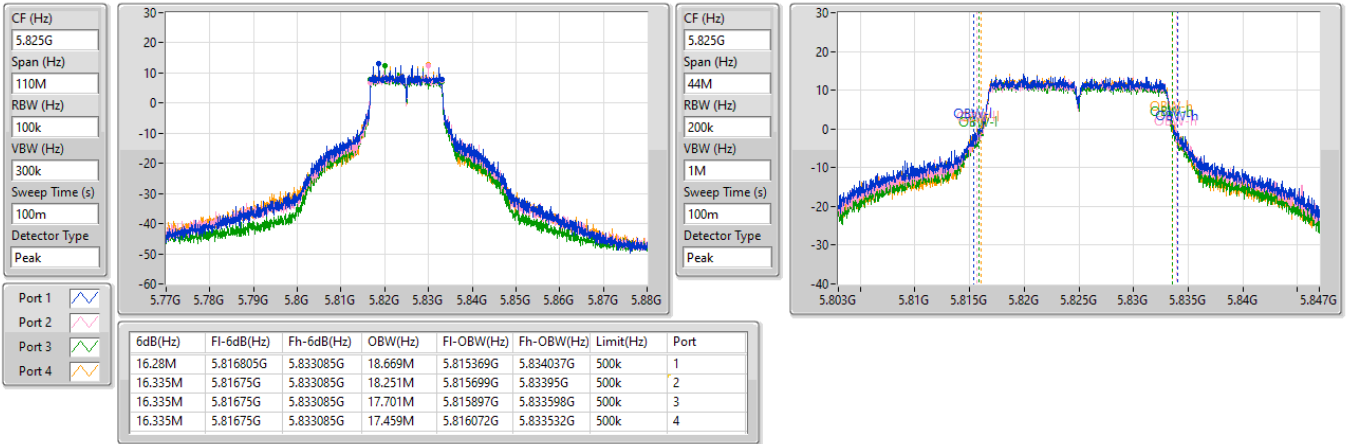
5785MHz

24/09/2024

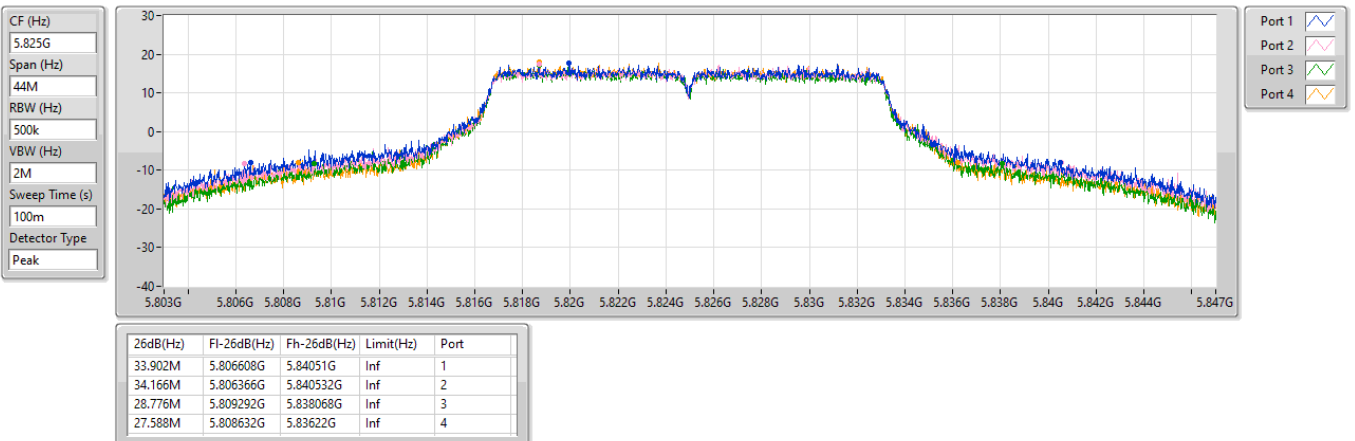


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5825MHz

24/09/2024


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

24/09/2024

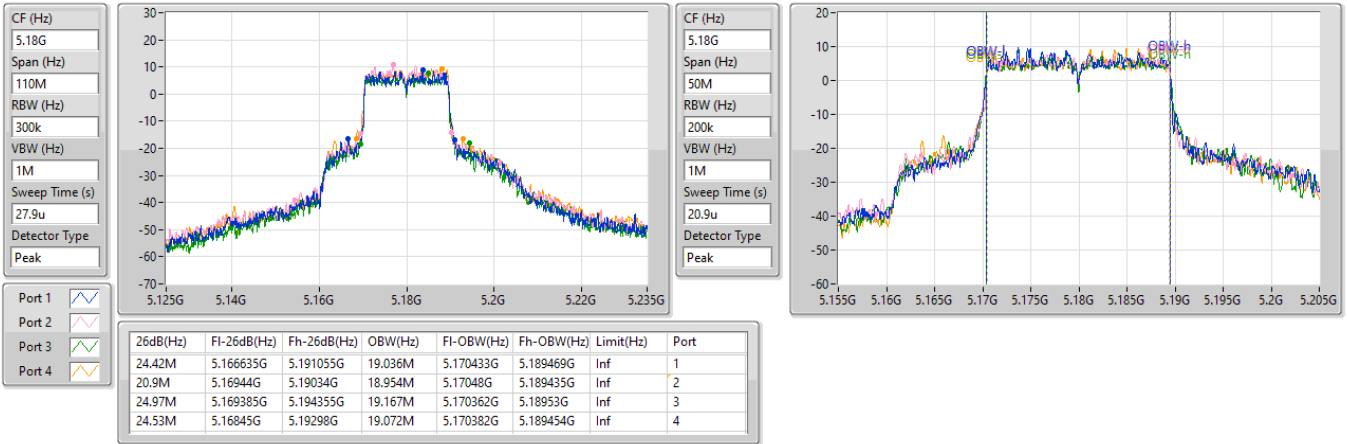


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

21/08/2024

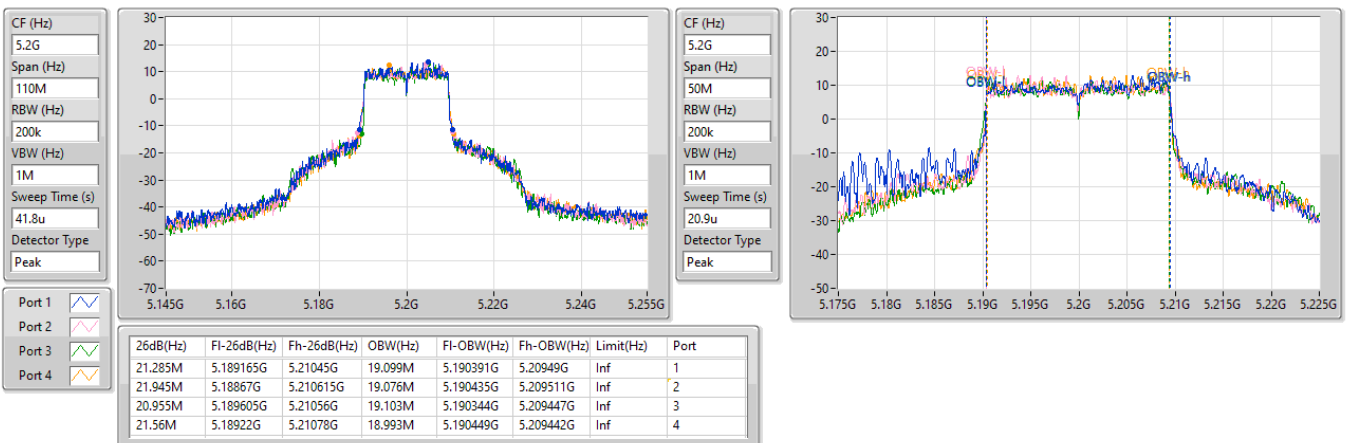


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

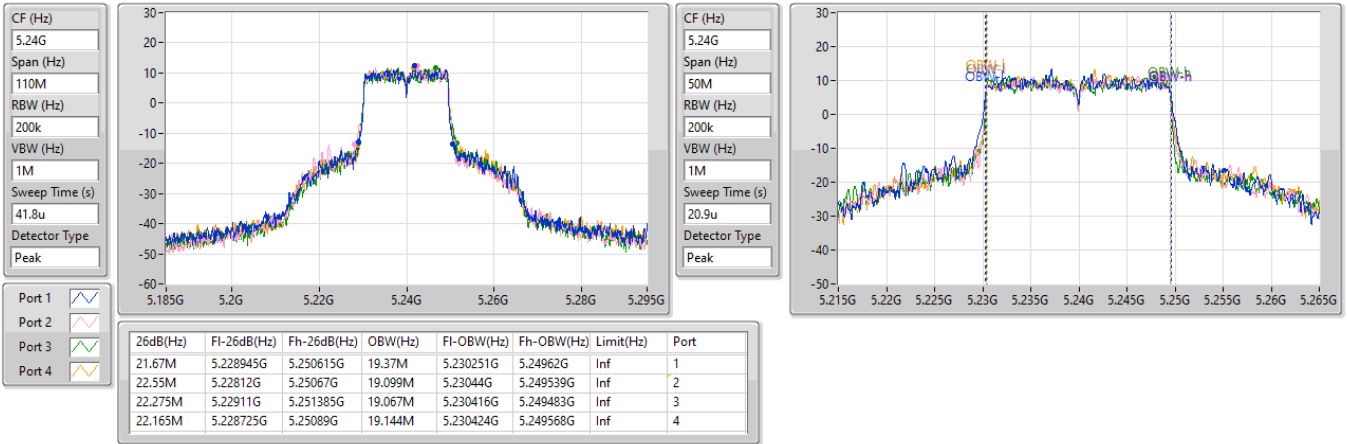
5200MHz

21/08/2024

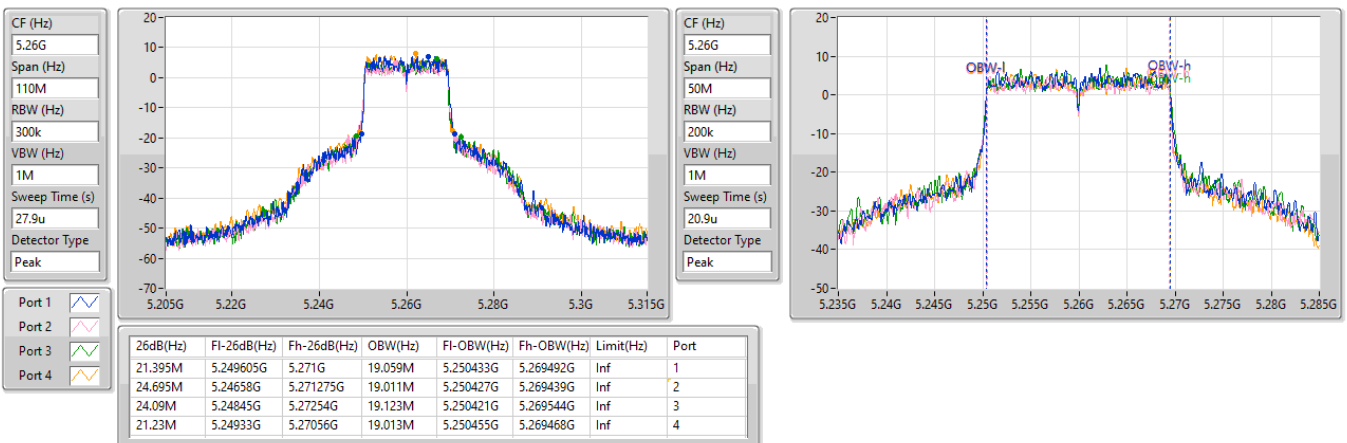


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

21/08/2024


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

21/08/2024

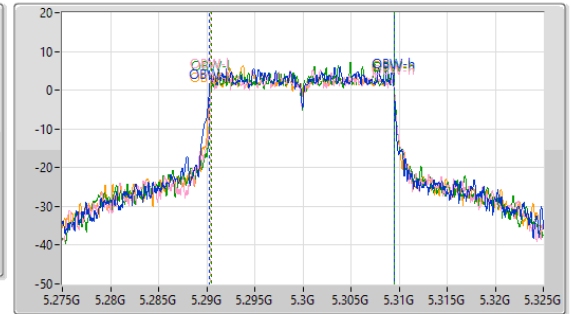
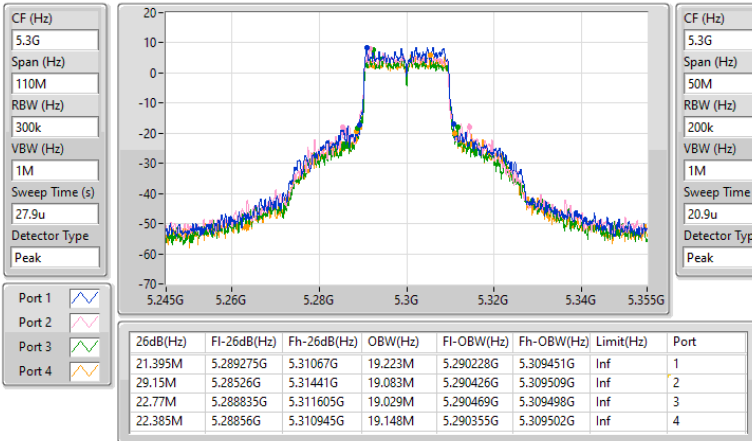


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5300MHz

21/08/2024

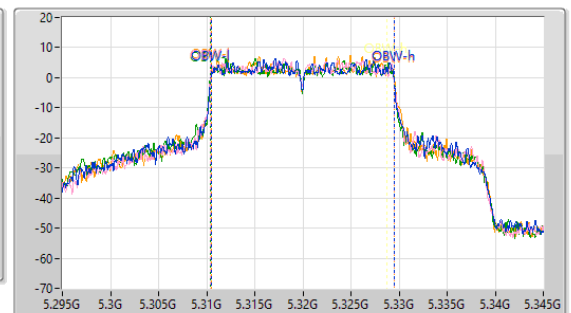
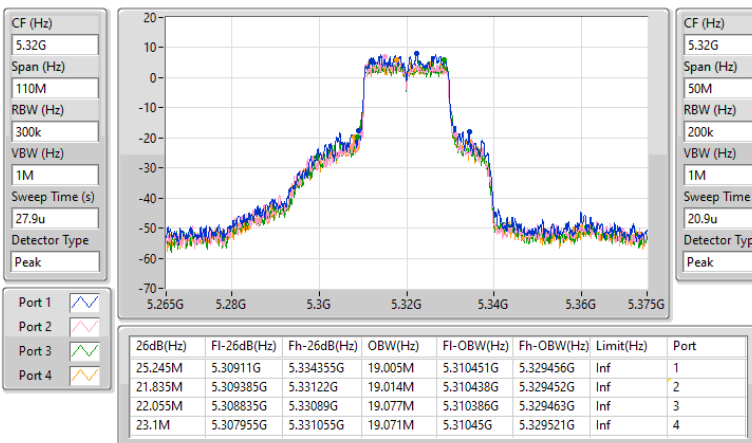


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5320MHz

21/08/2024

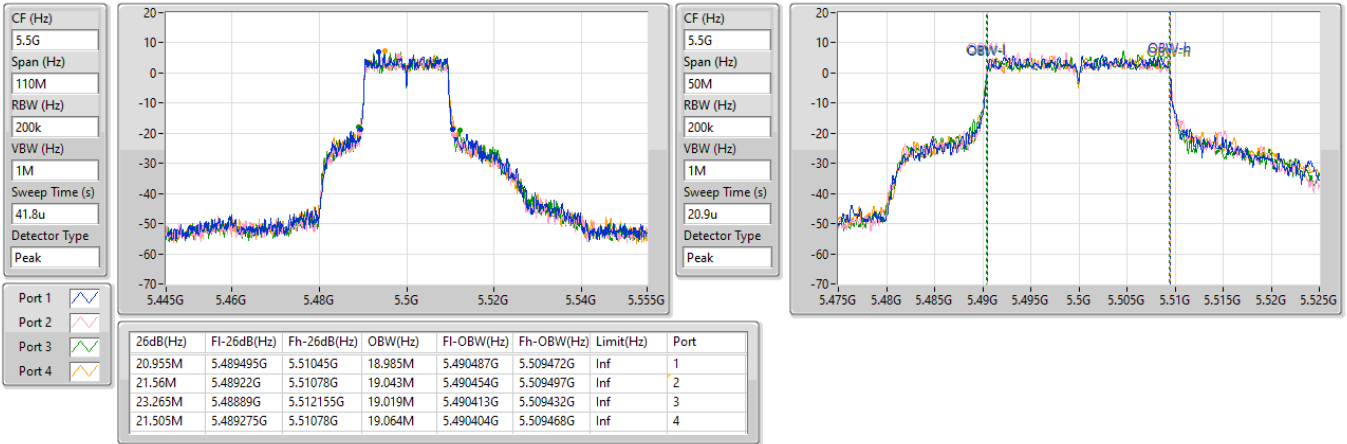


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5500MHz

21/08/2024

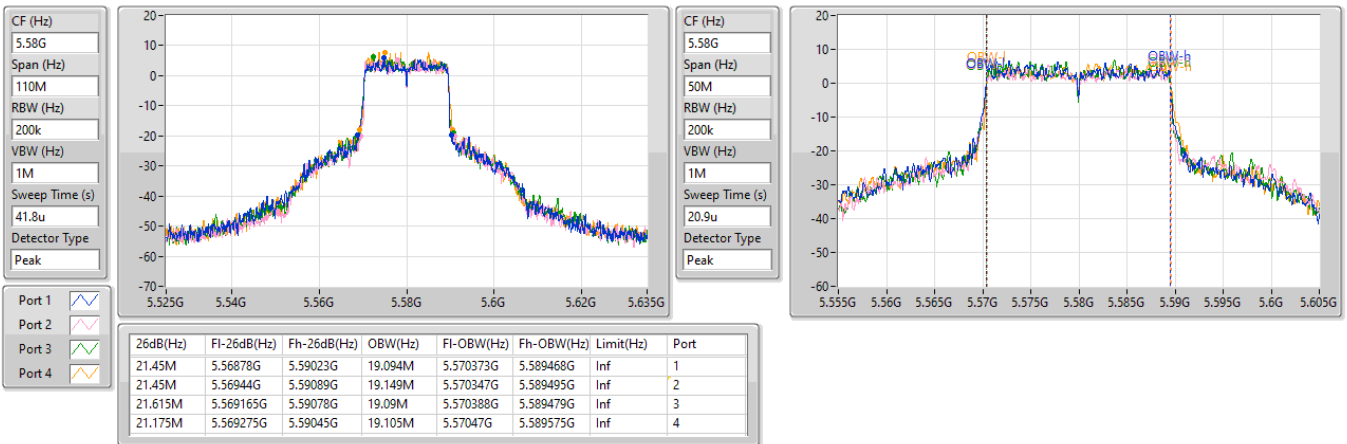


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5580MHz

21/08/2024

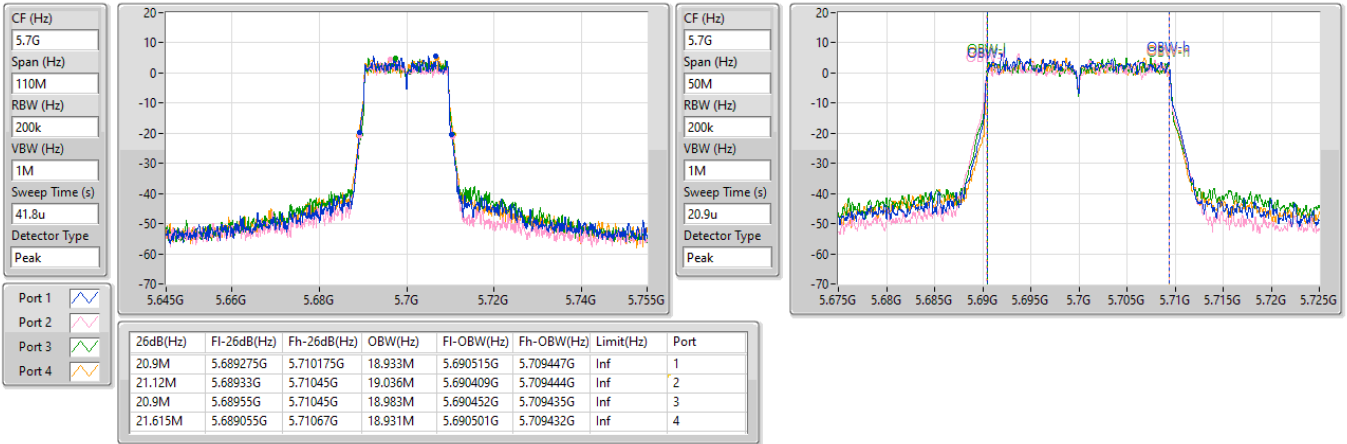


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5700MHz

21/08/2024

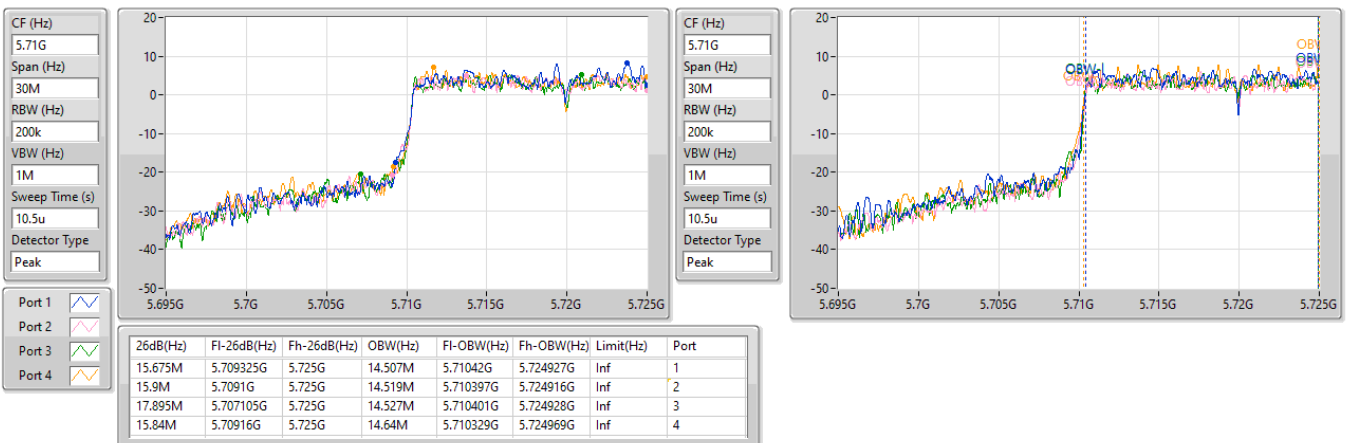


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

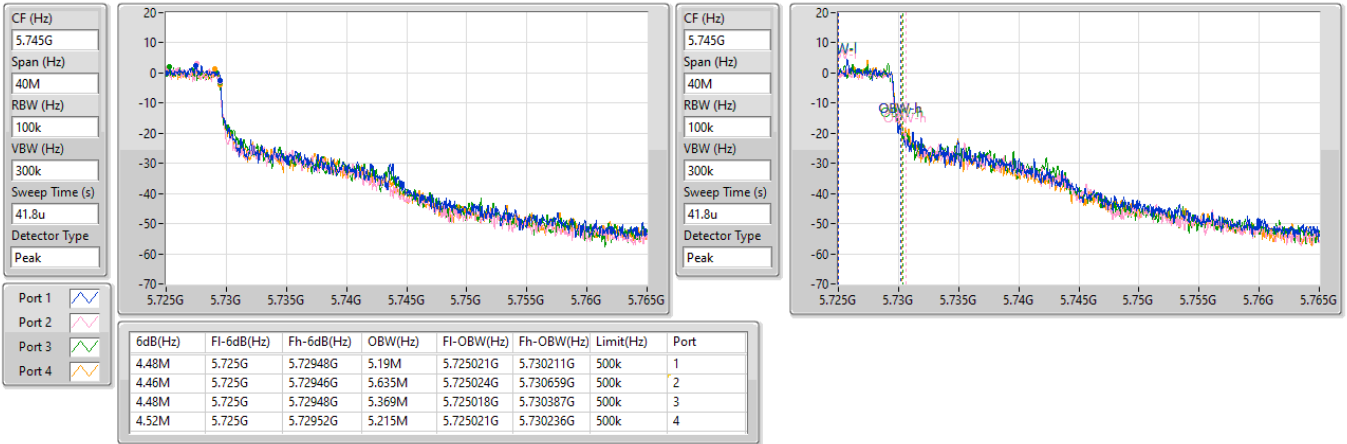
5720MHz Straddle 5.47-5.725GHz

21/08/2024

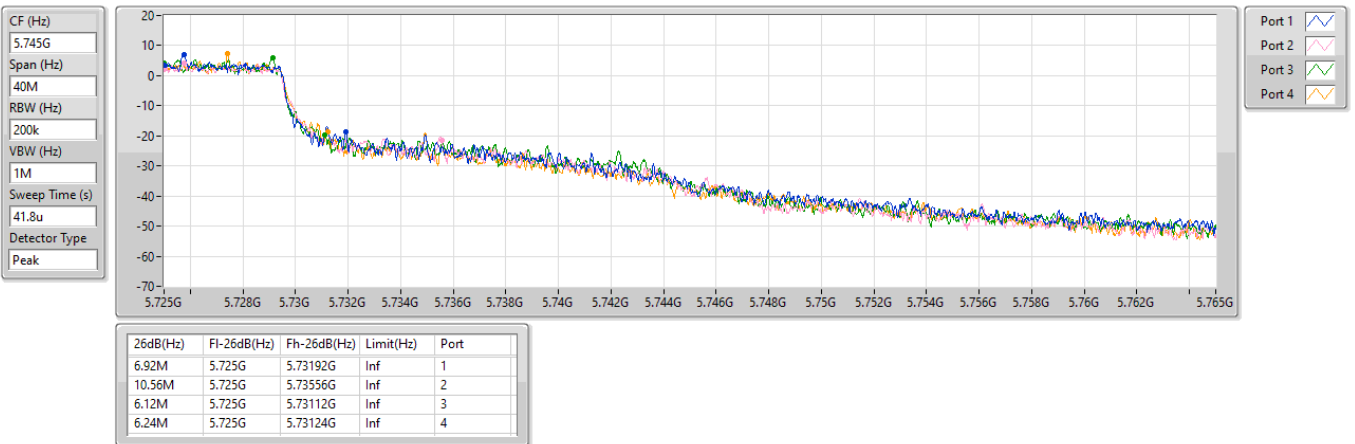


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

21/08/2024


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.725-5.85GHz

21/08/2024

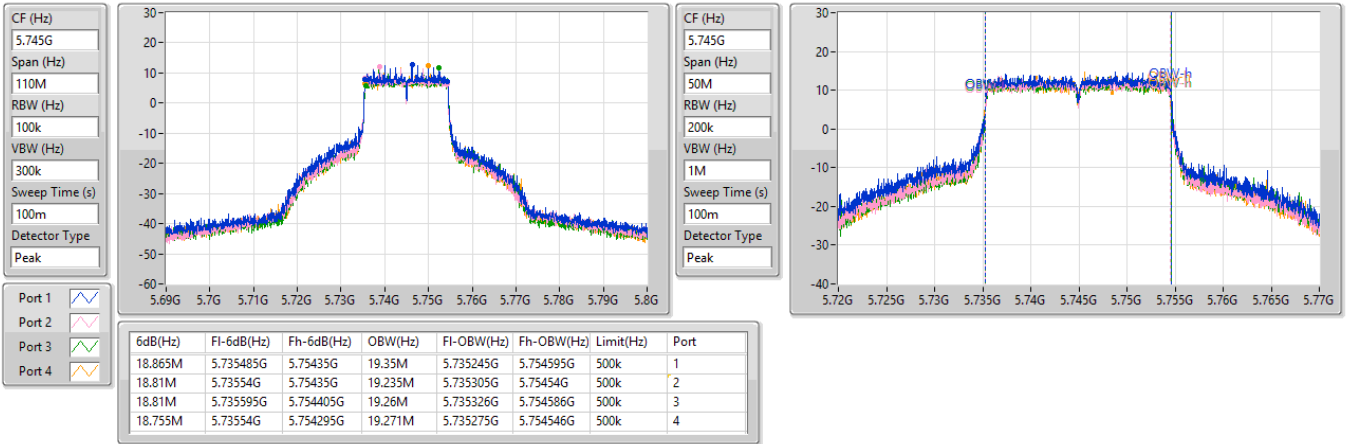


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

09/10/2024

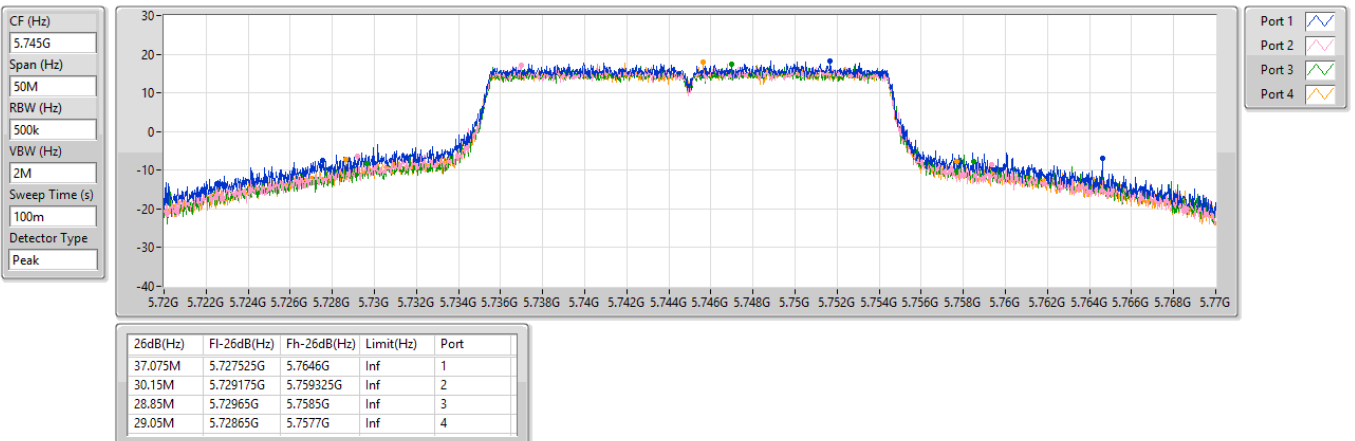


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5745MHz

09/10/2024

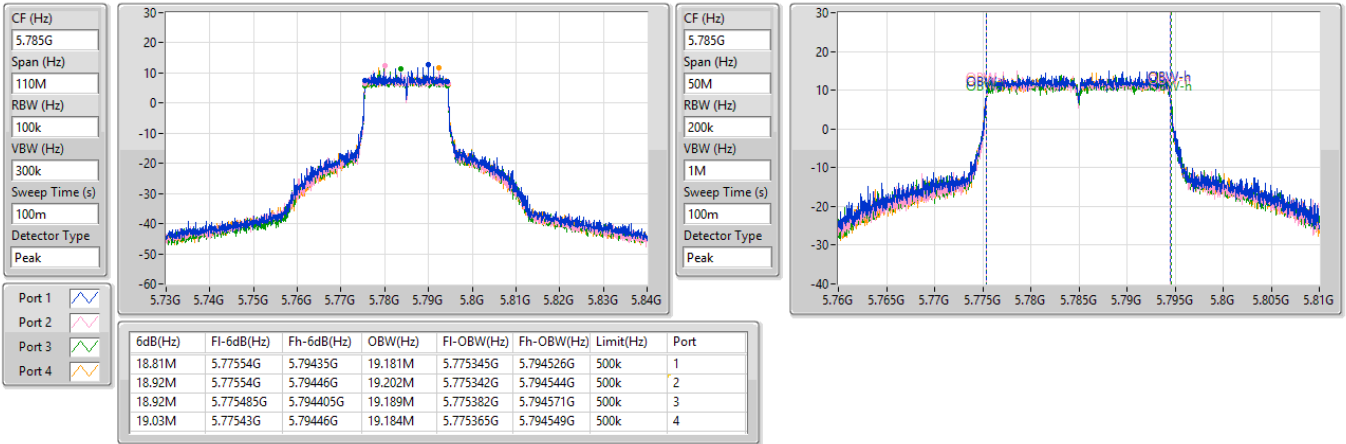


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

09/10/2024

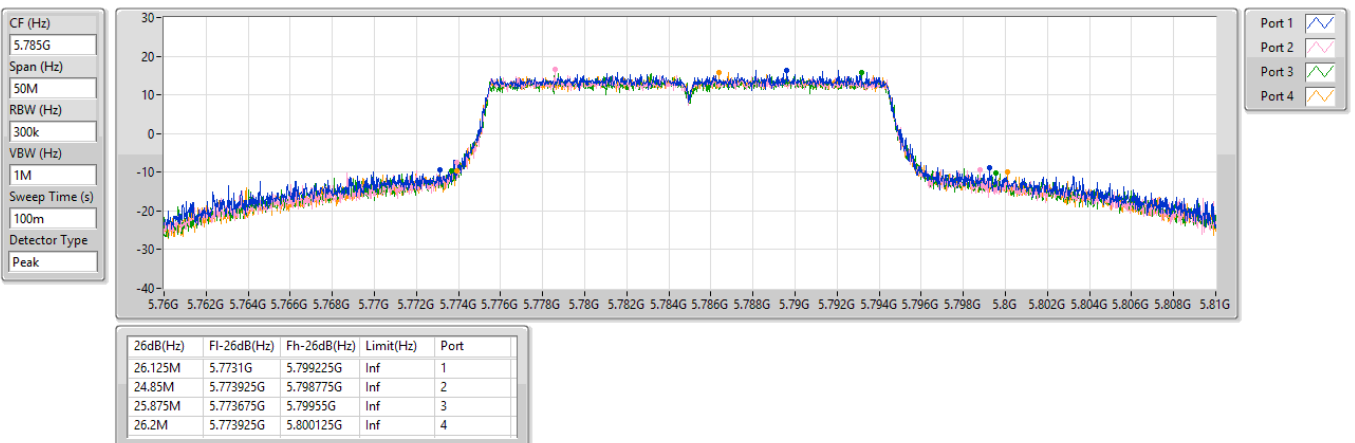


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5785MHz

09/10/2024

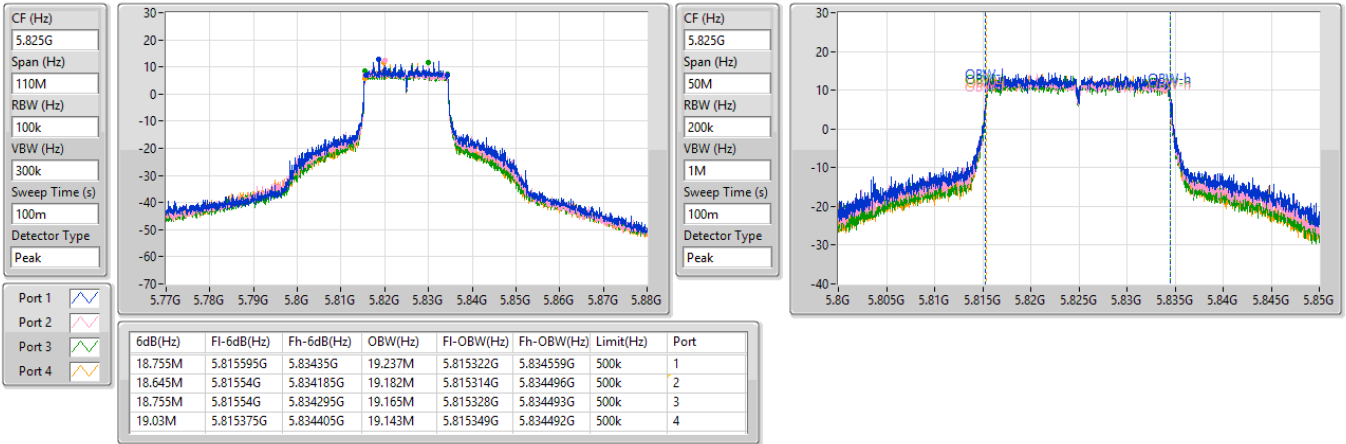


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

09/10/2024

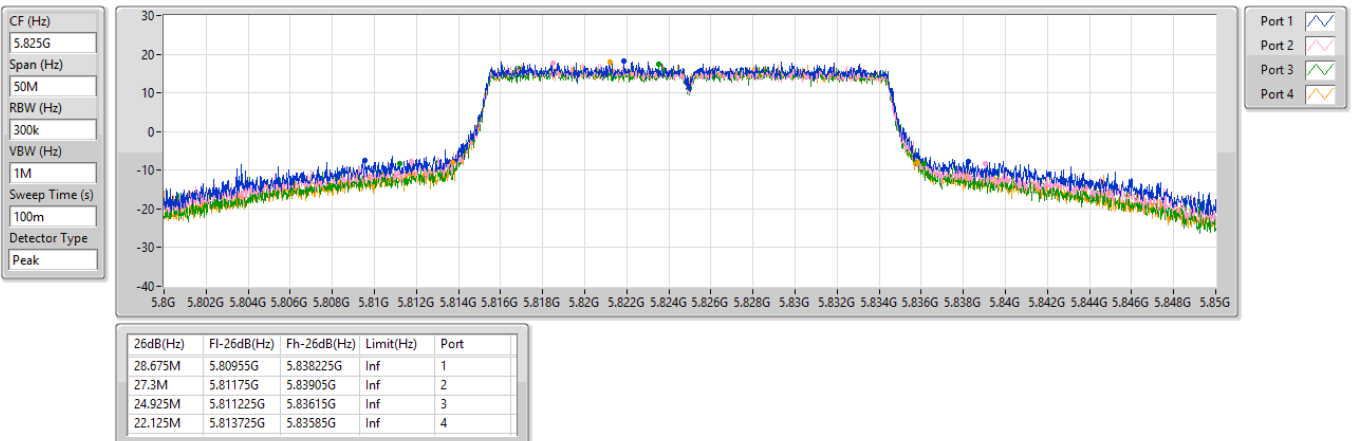


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5825MHz

09/10/2024

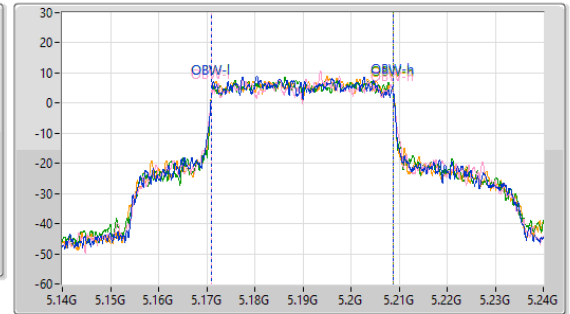
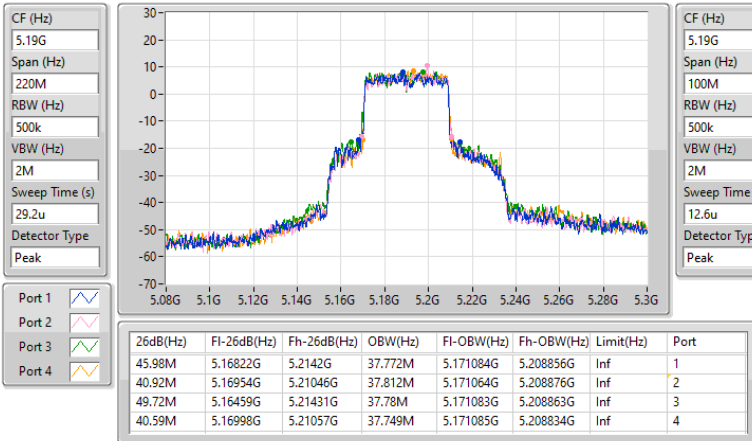


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

21/08/2024

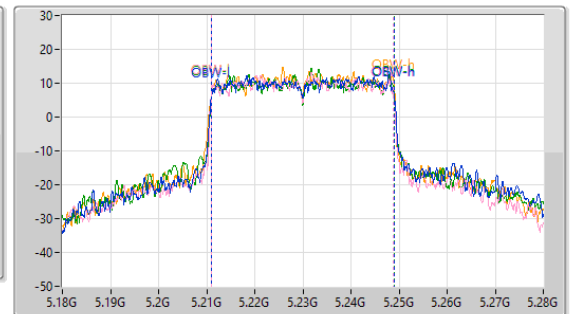
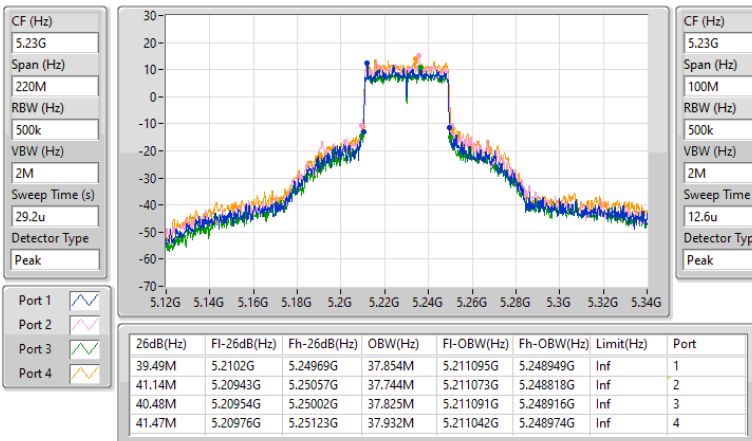


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

21/08/2024

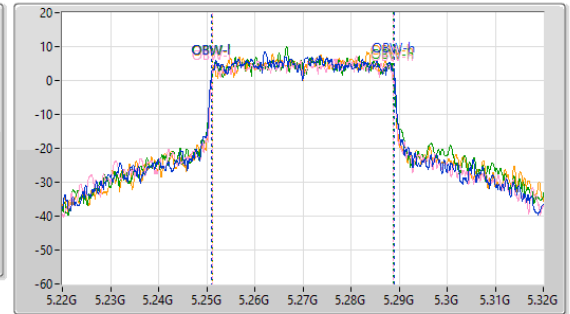
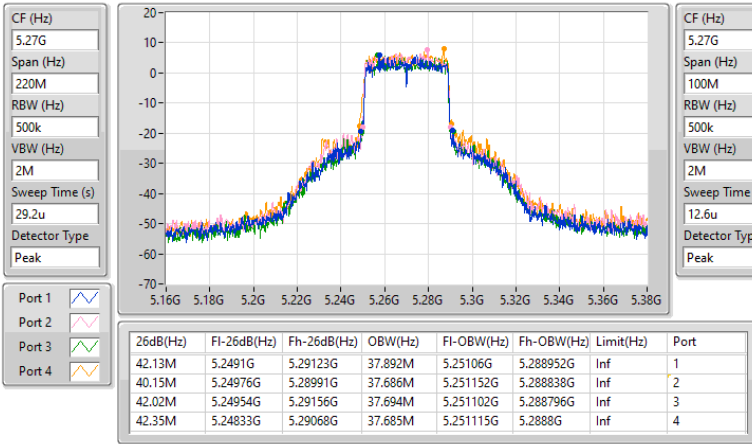


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5270MHz

21/08/2024

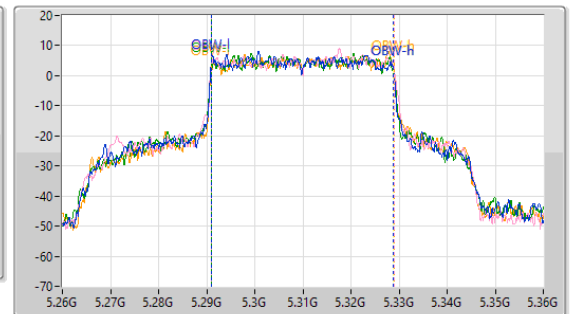
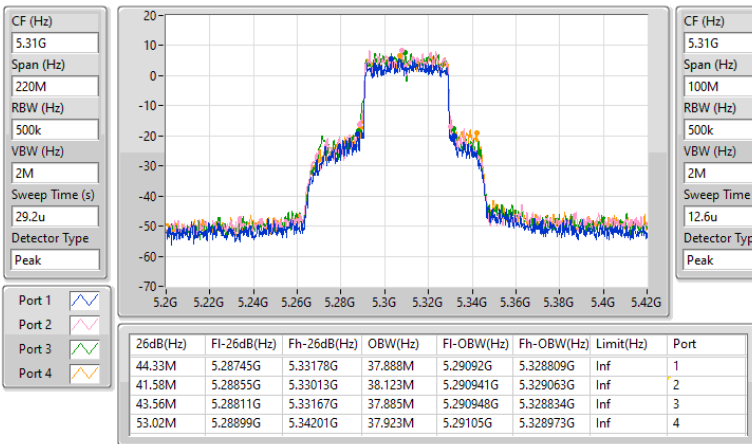


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5310MHz

21/08/2024

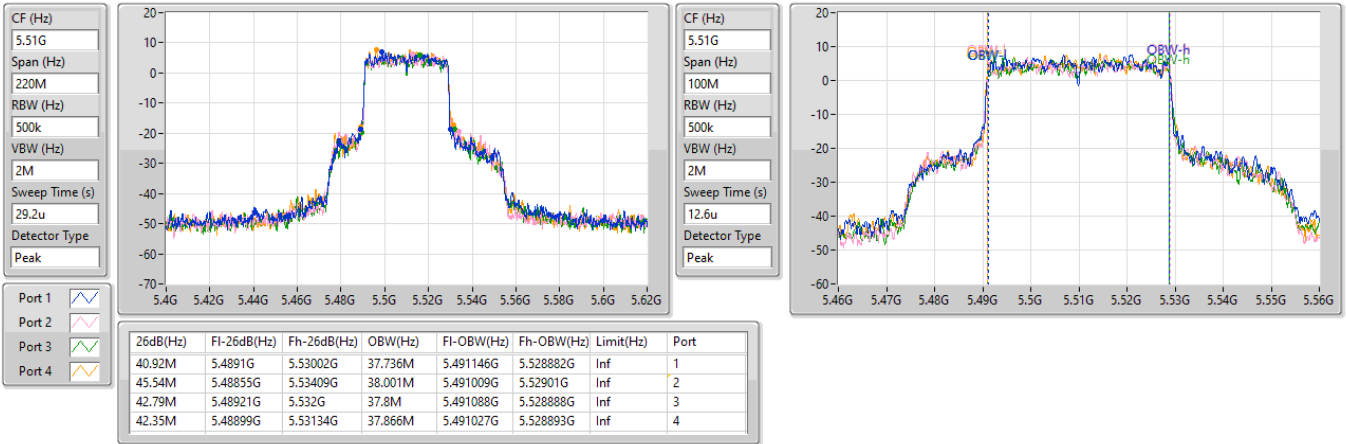


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5510MHz

21/08/2024

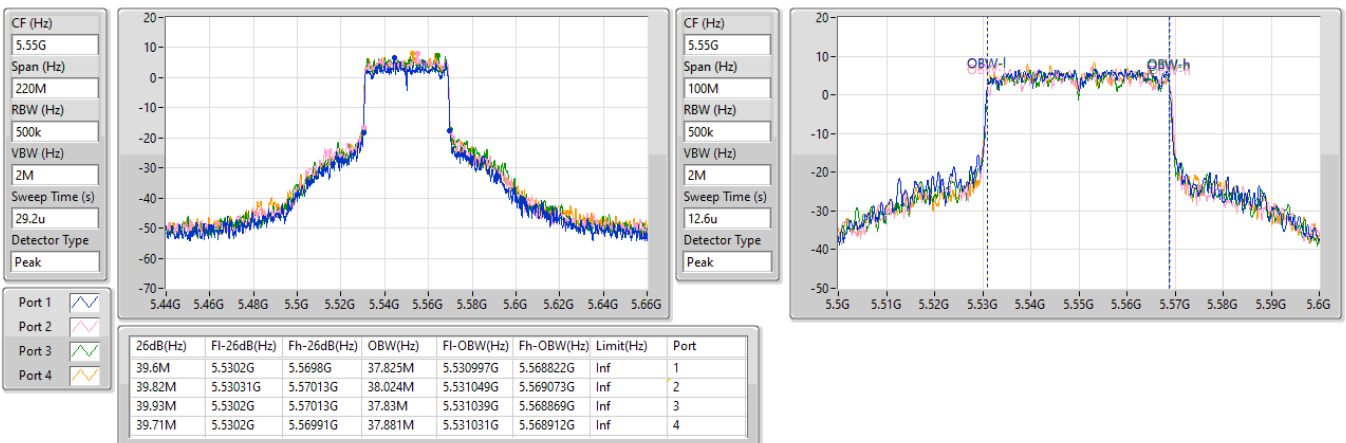


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5550MHz

21/08/2024

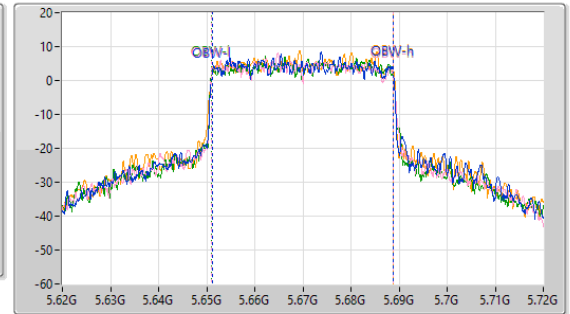
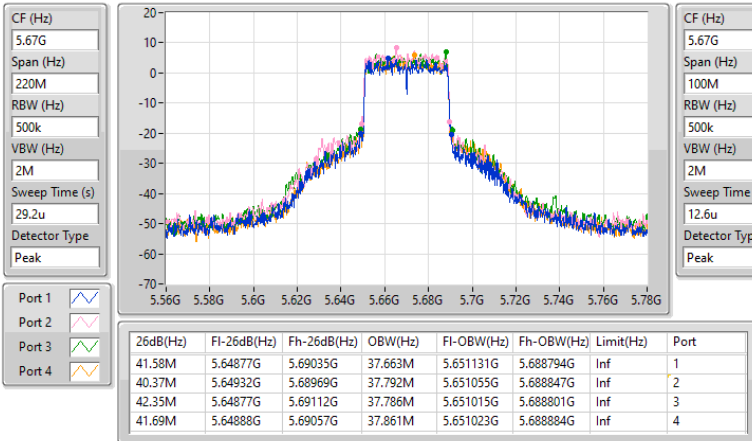


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5670MHz

21/08/2024

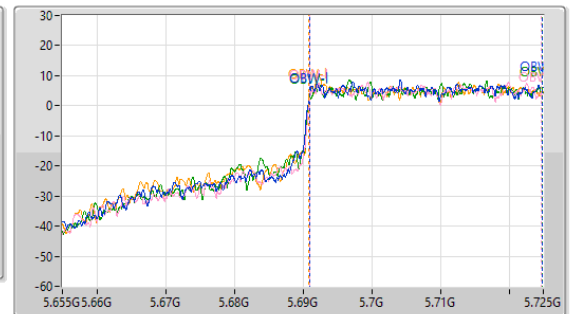
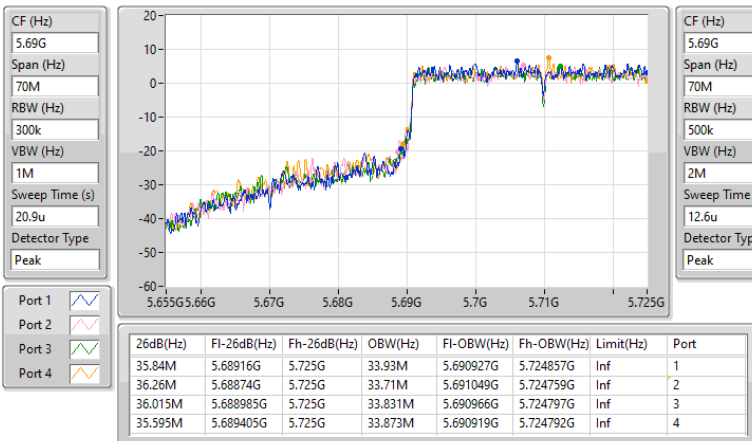


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

21/08/2024

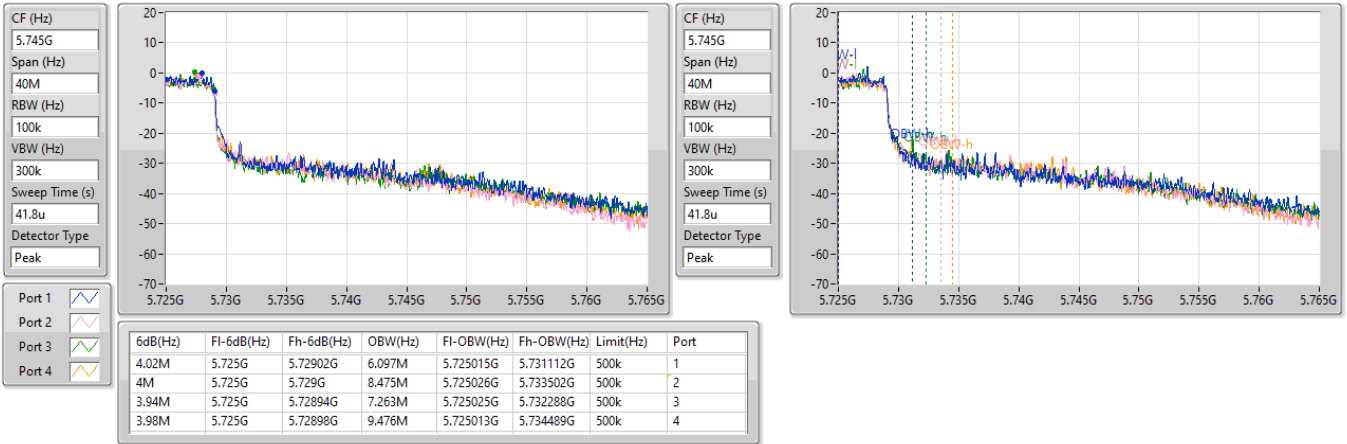


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

21/08/2024

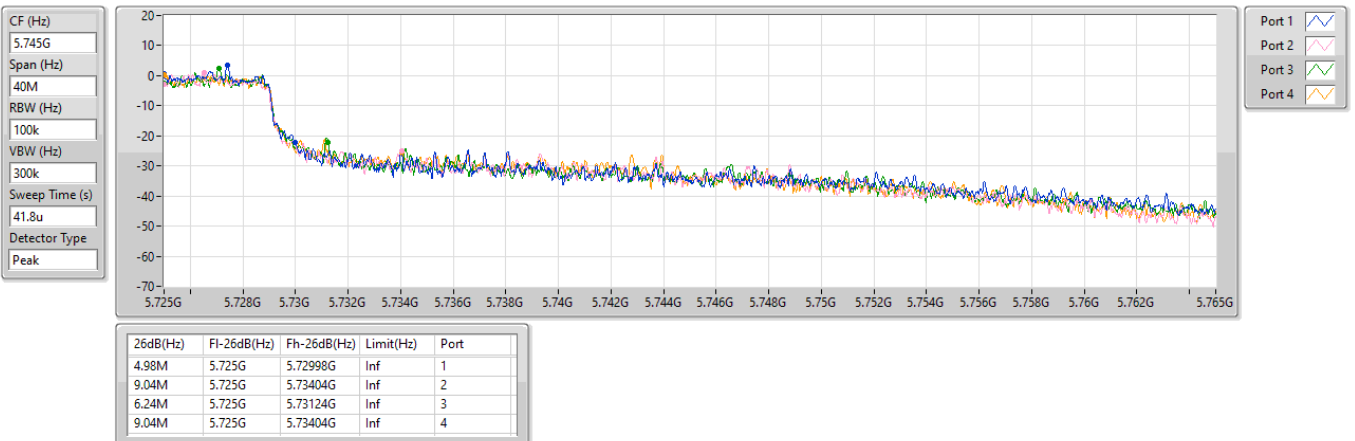


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

21/08/2024

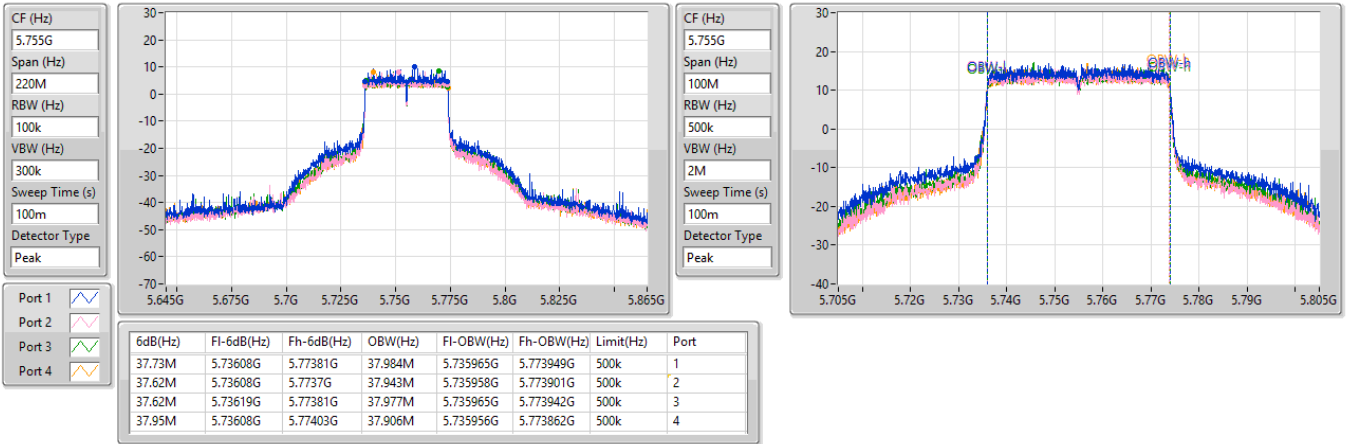


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

09/10/2024

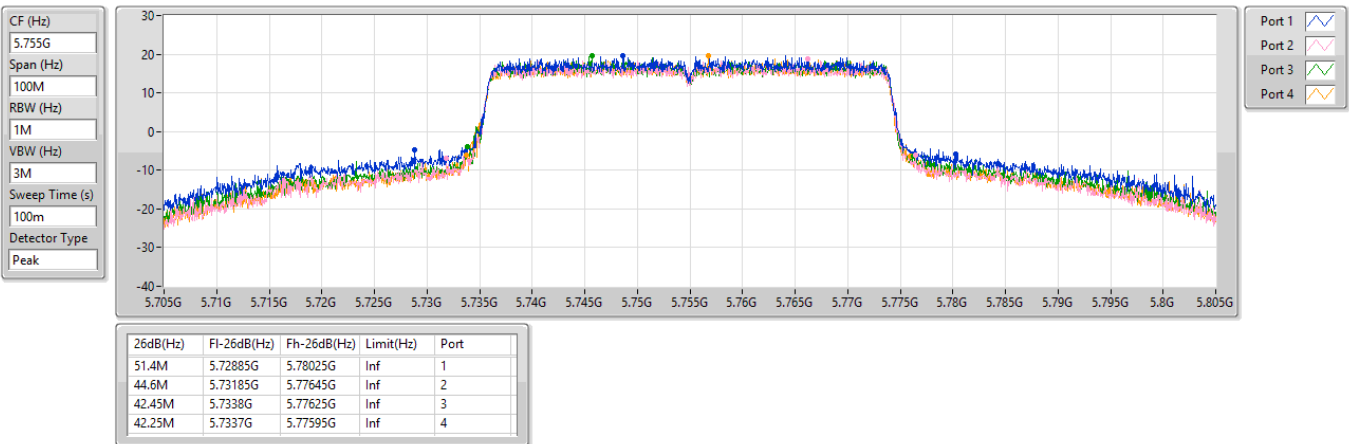


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5755MHz

09/10/2024

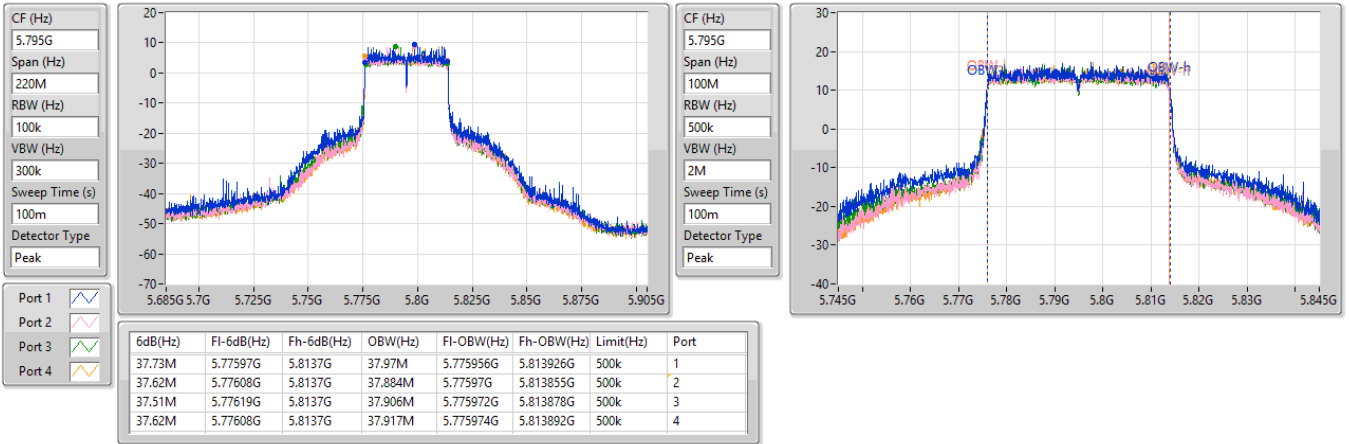


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

09/10/2024

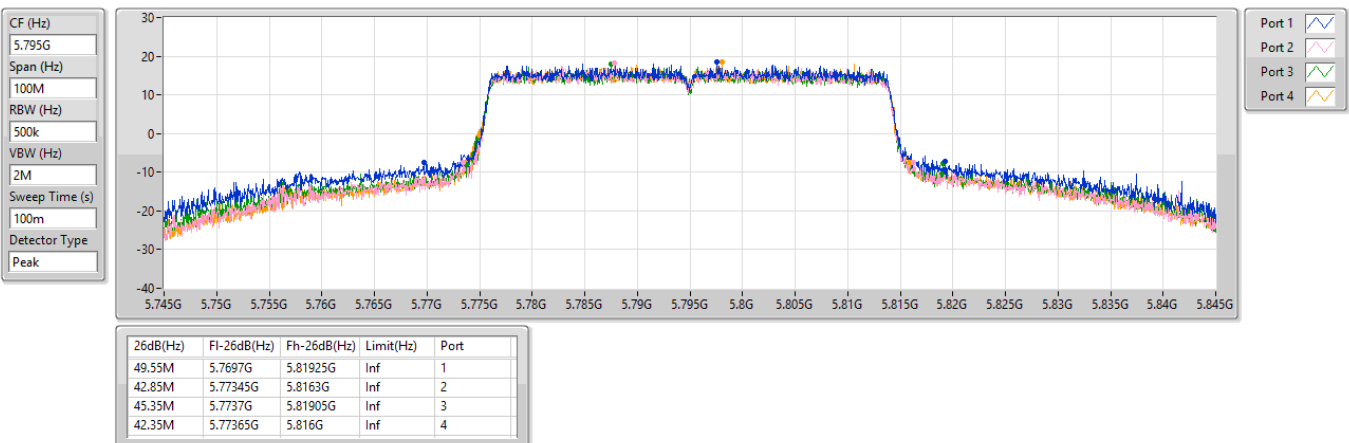


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5795MHz

09/10/2024

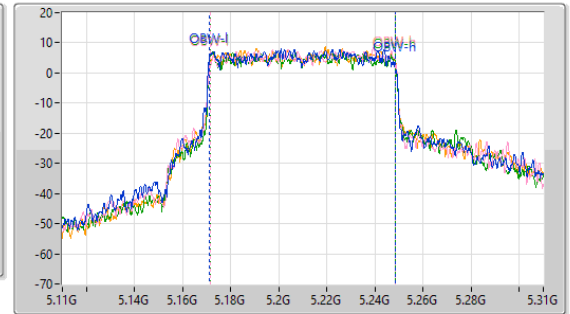
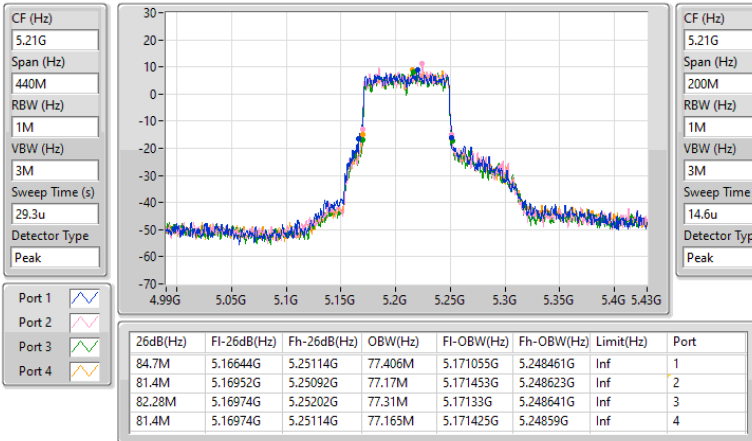


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

21/08/2024

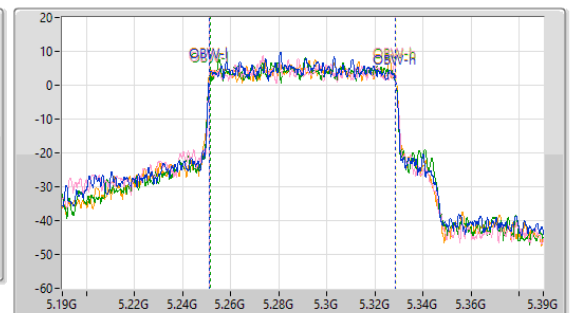
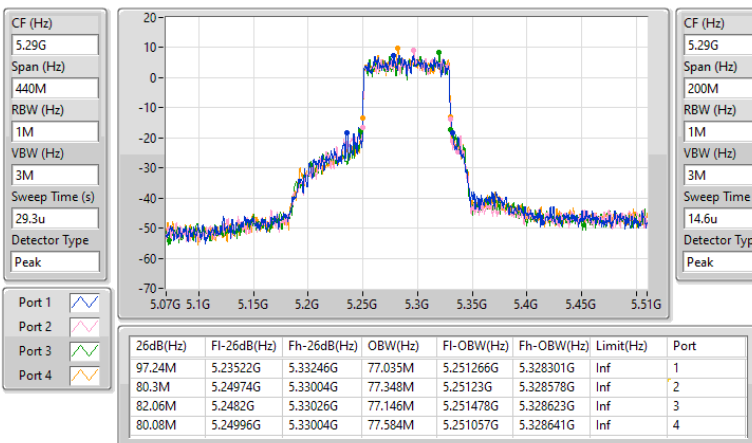


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5290MHz

21/08/2024

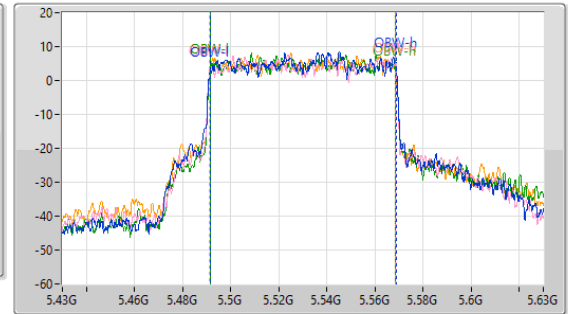
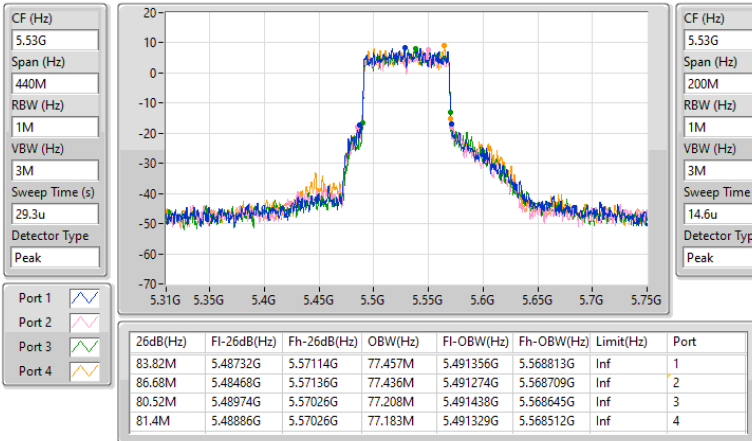


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5530MHz

21/08/2024

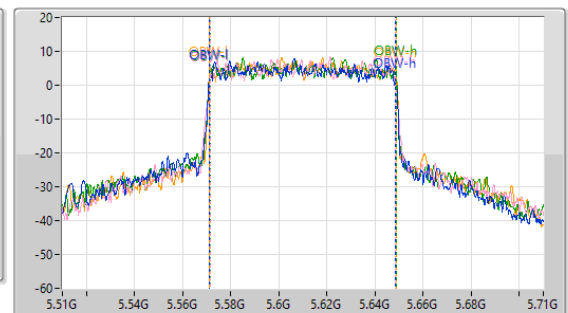
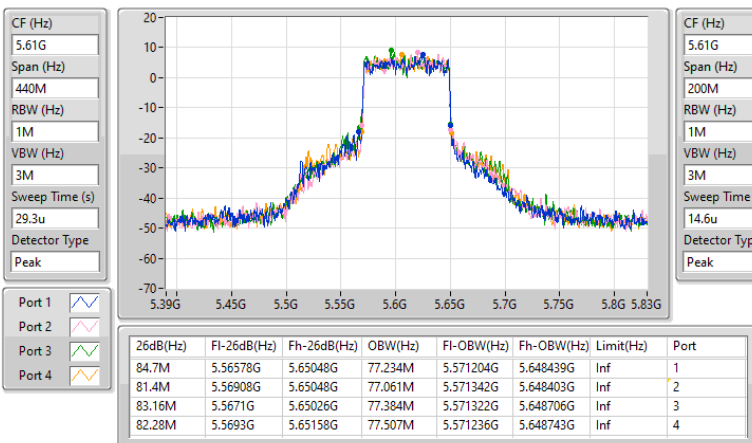


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5610MHz

21/08/2024

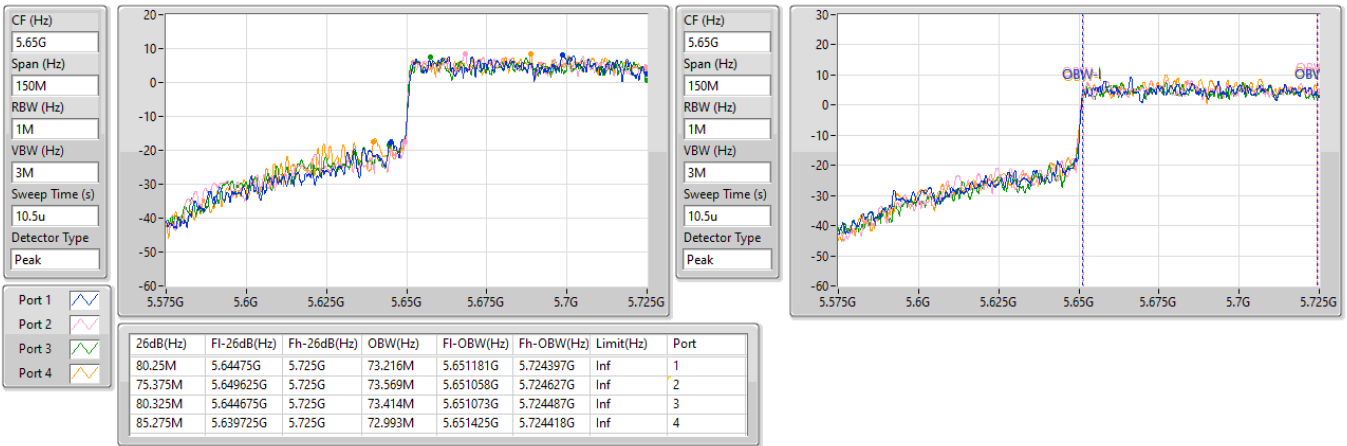


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

21/08/2024

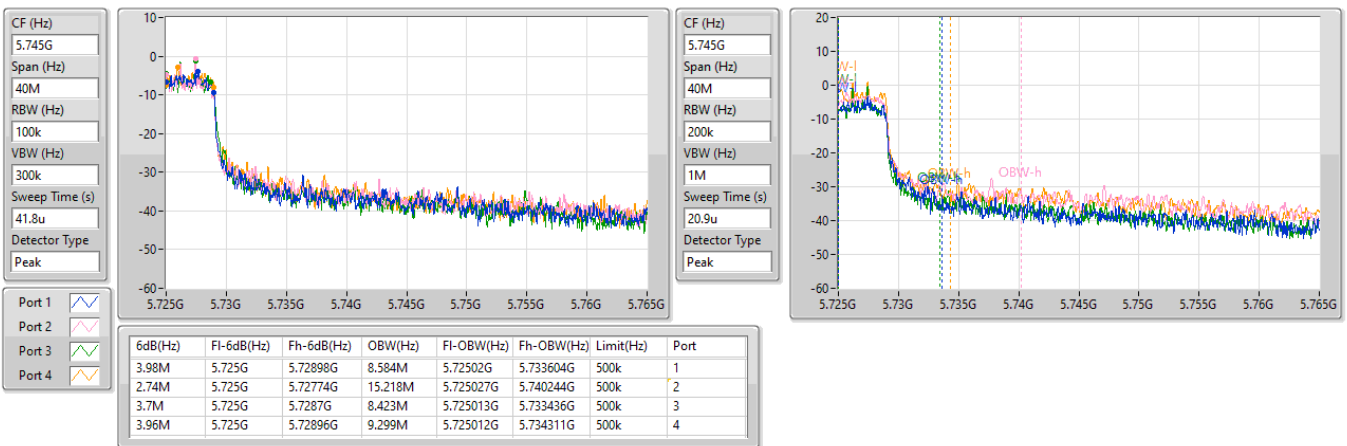


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

21/08/2024

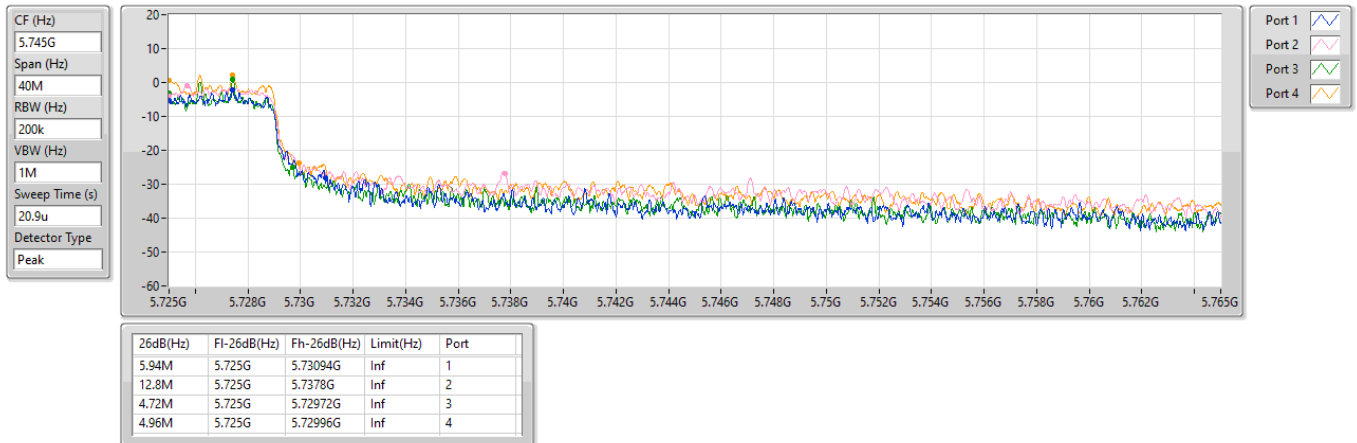


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

21/08/2024

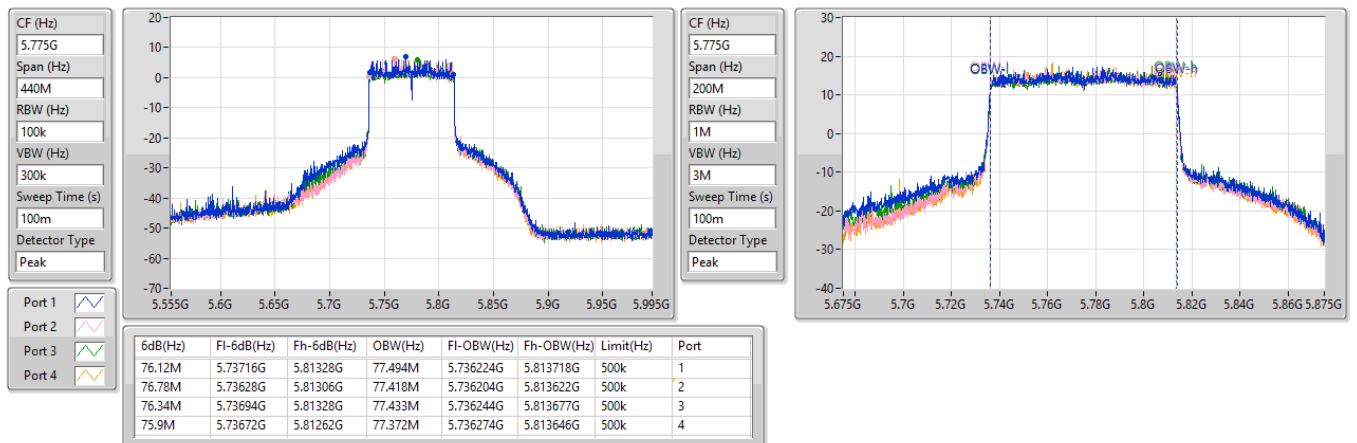


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

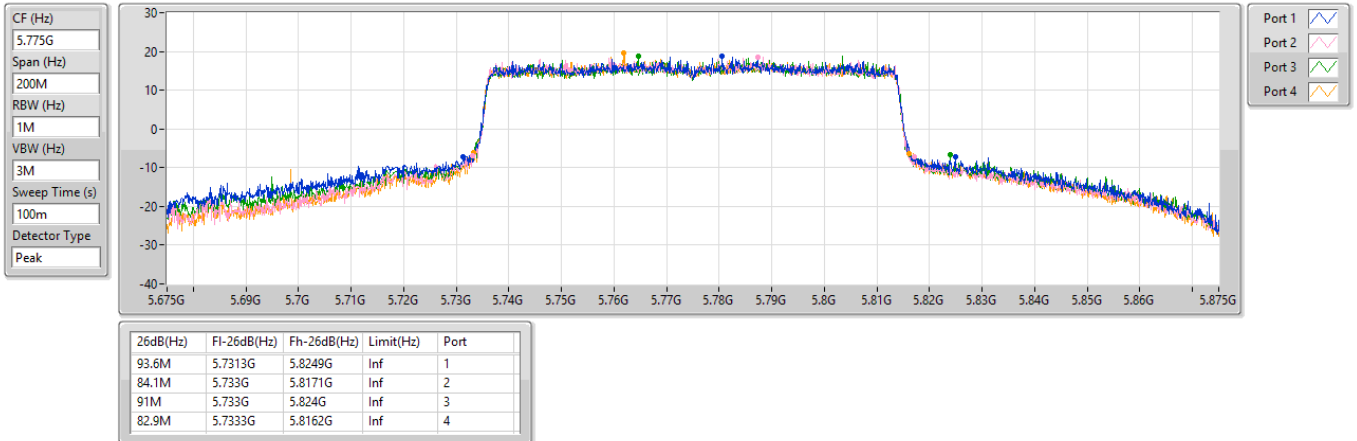
5775MHz

09/10/2024

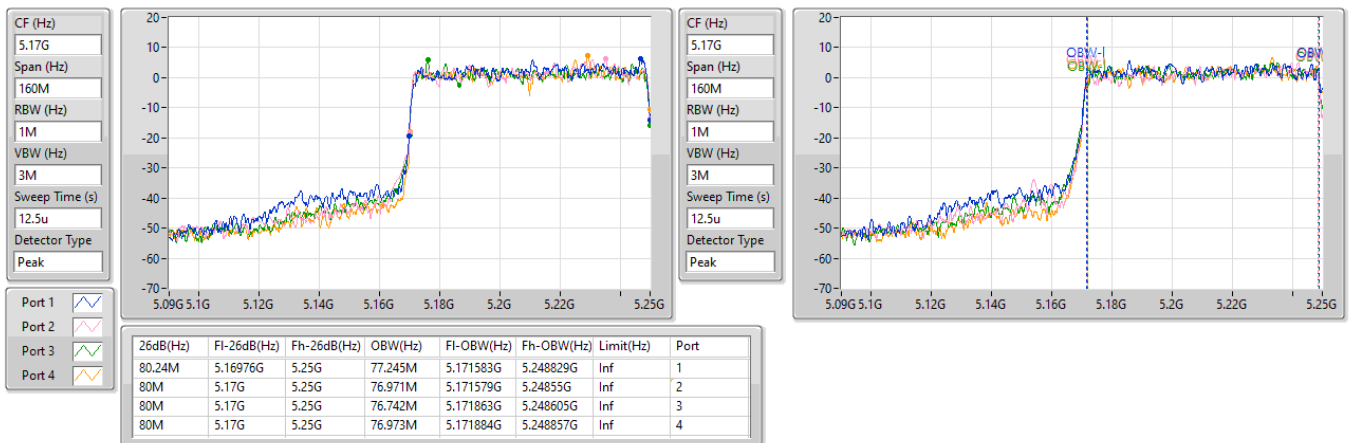


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX
EBW
5775MHz

09/10/2024


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

21/08/2024

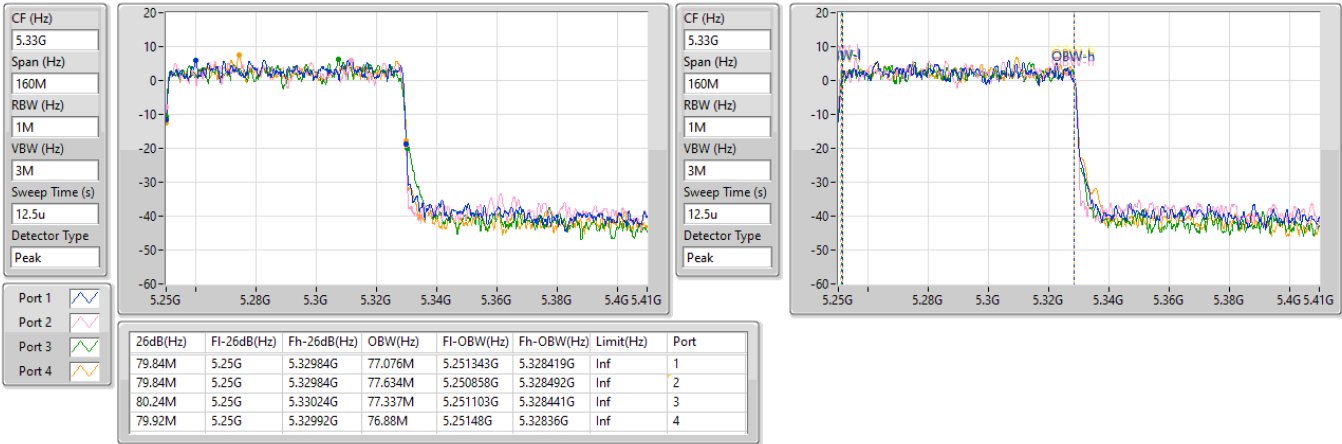


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

21/08/2024

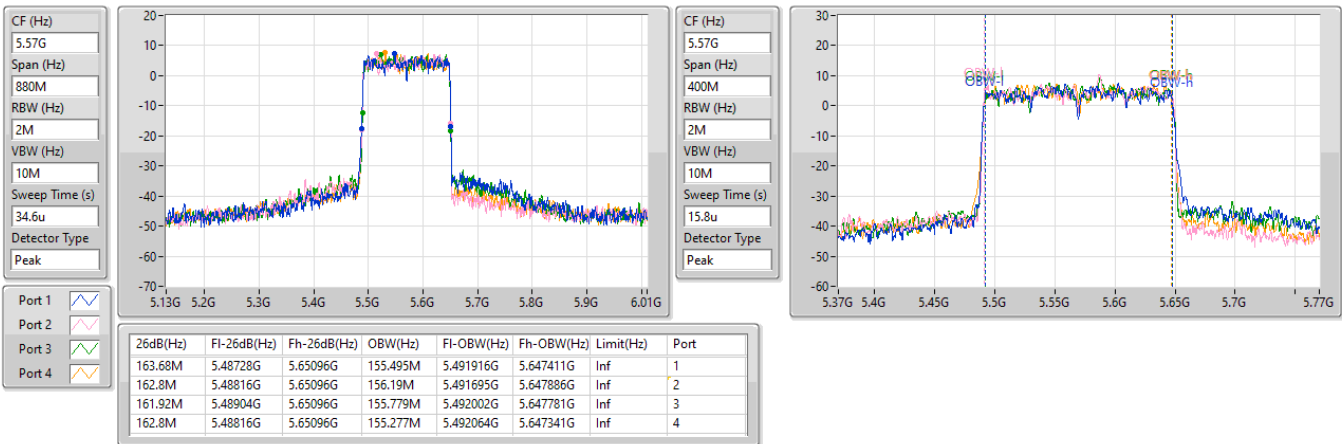


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_4TX

EBW

5570MHz

21/08/2024

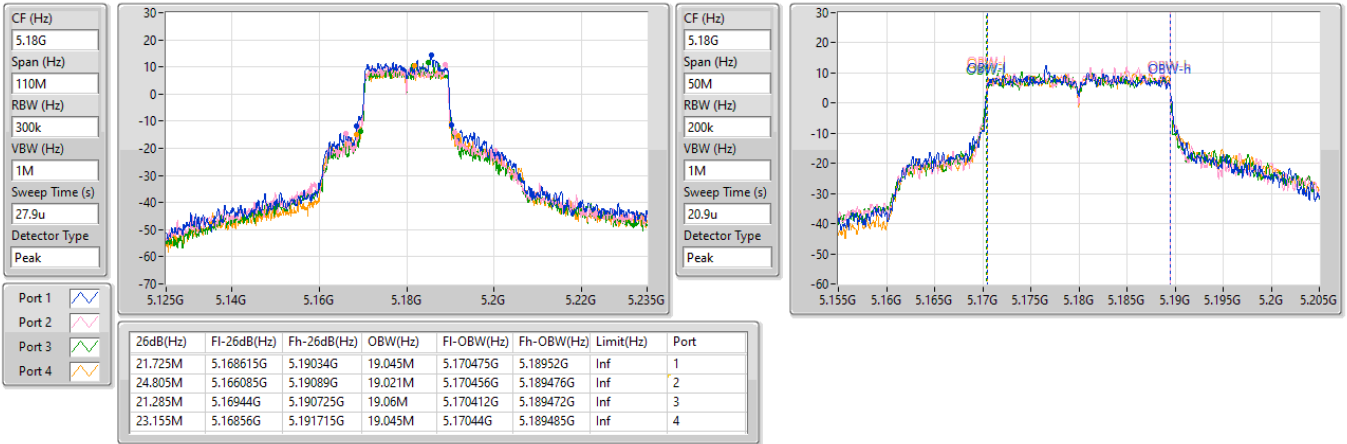


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

21/08/2024

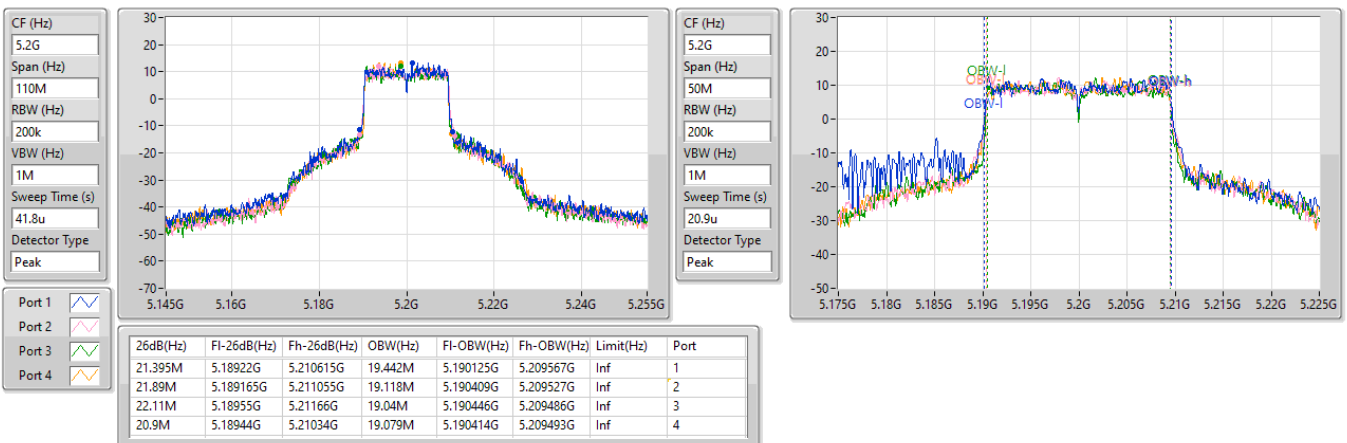


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

21/08/2024

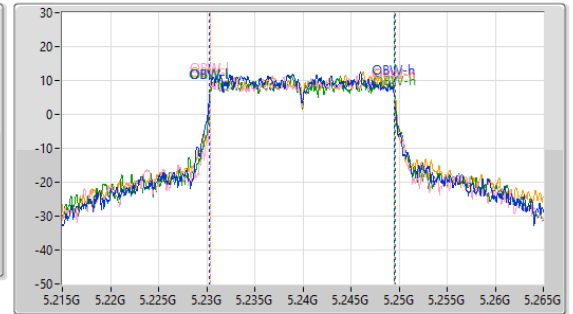
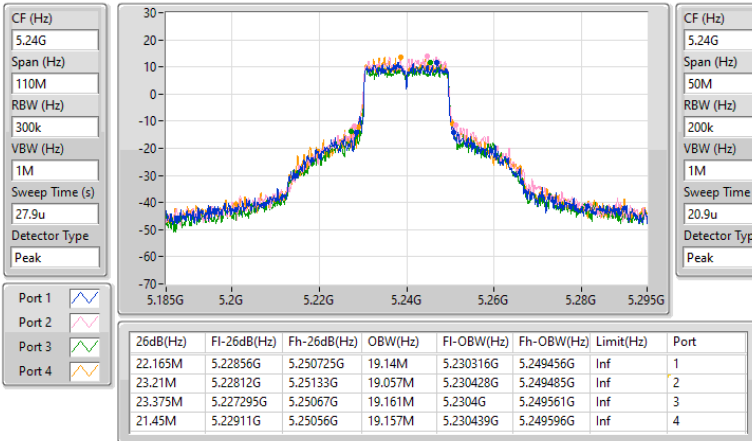


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

21/08/2024

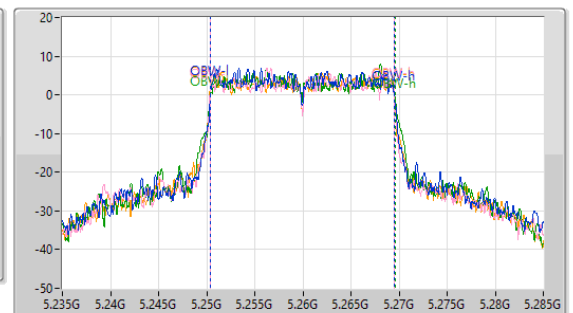
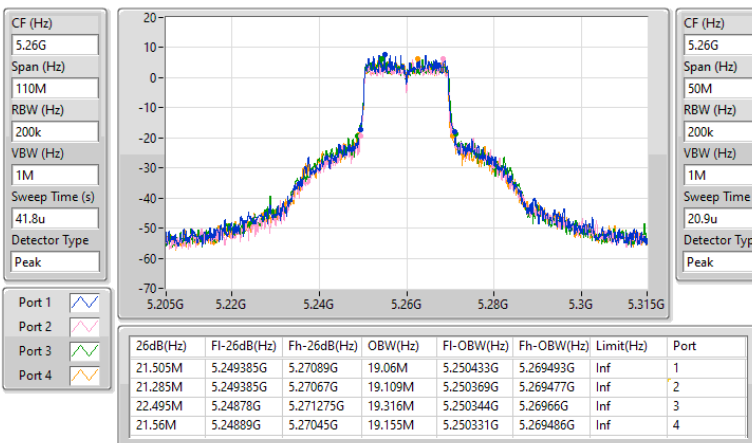


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

21/08/2024

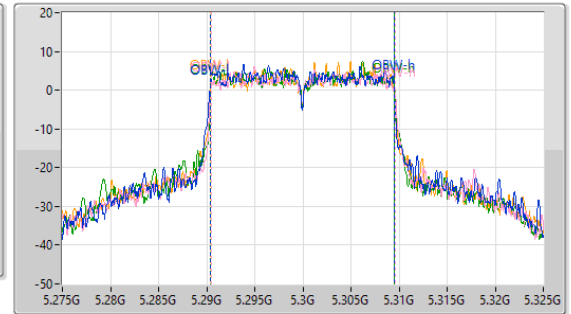
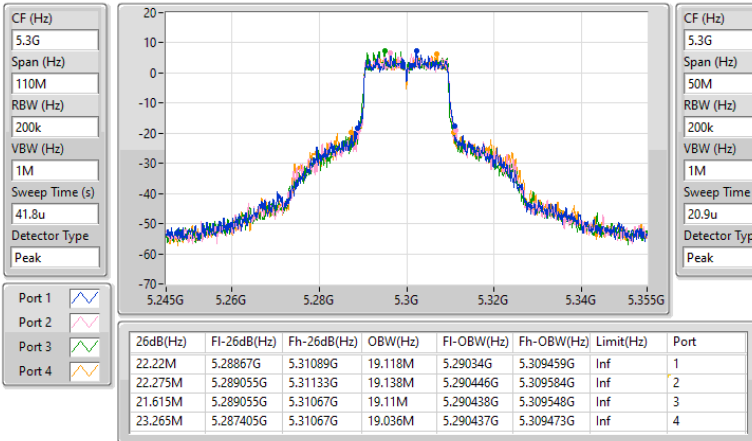


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

21/08/2024

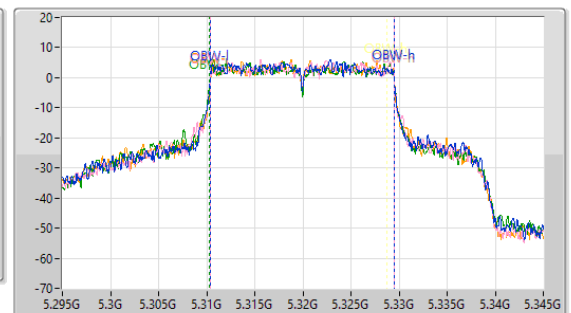
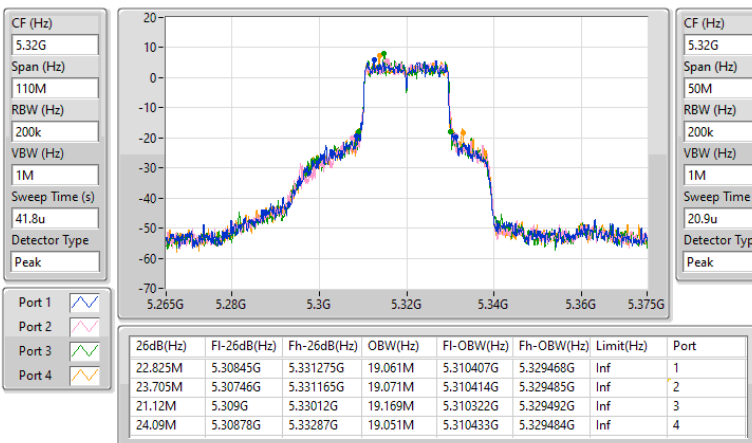


5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

21/08/2024

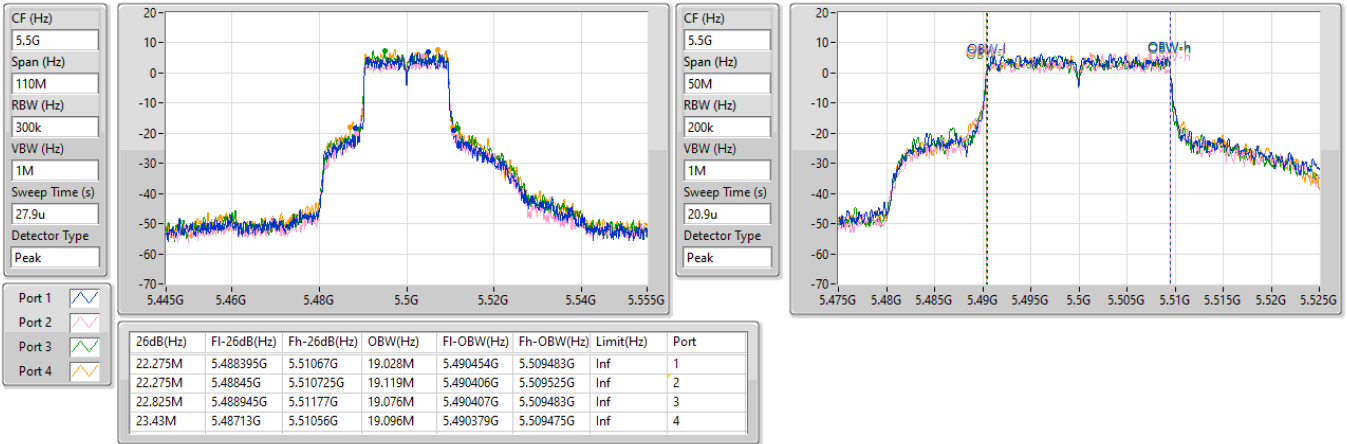


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

21/08/2024

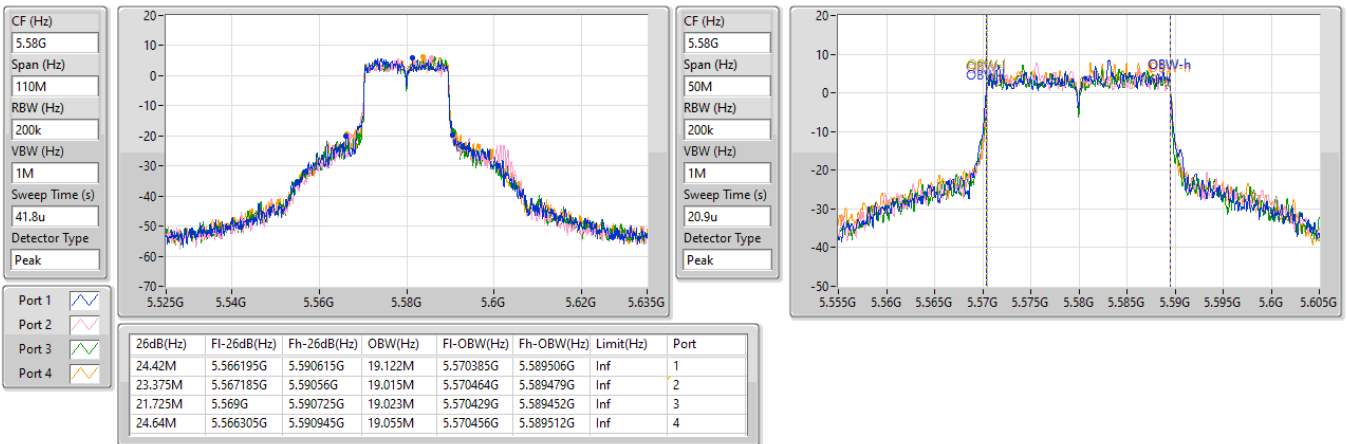


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

21/08/2024

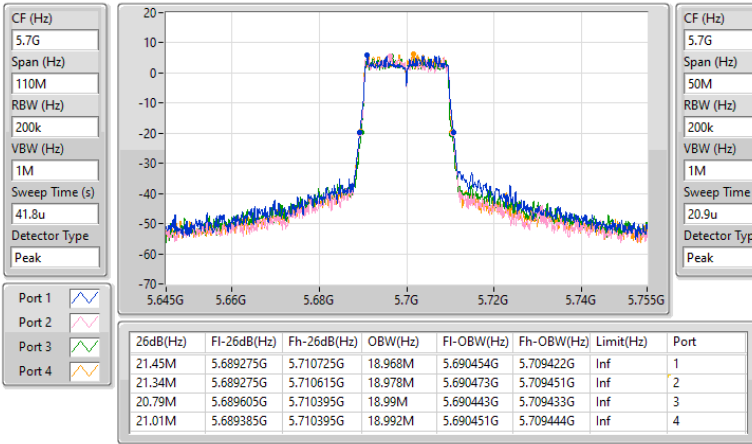


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

21/08/2024

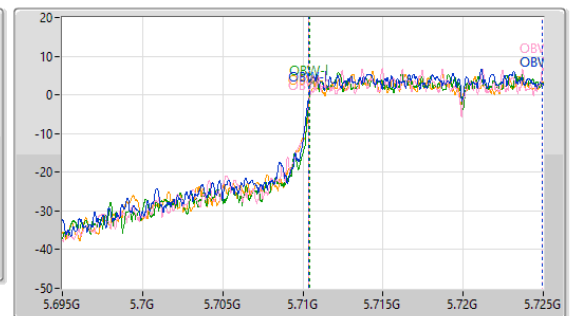
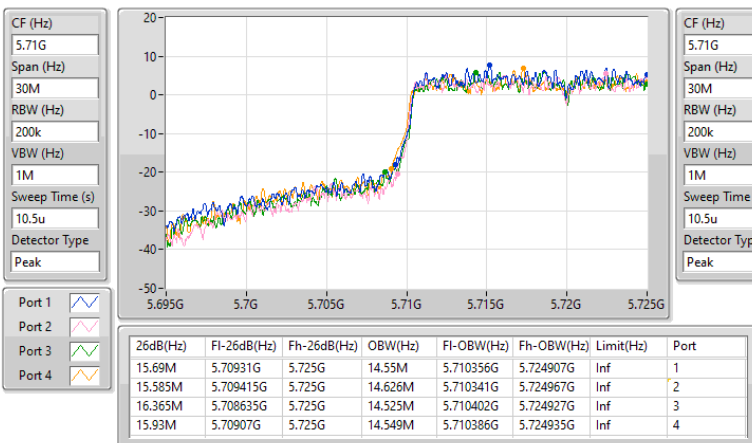


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

21/08/2024

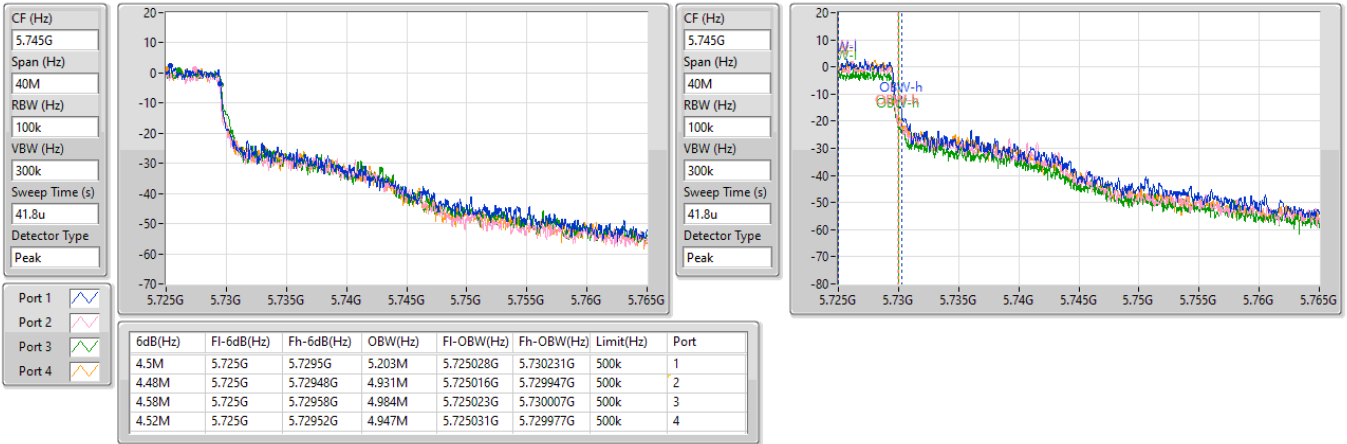


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

21/08/2024

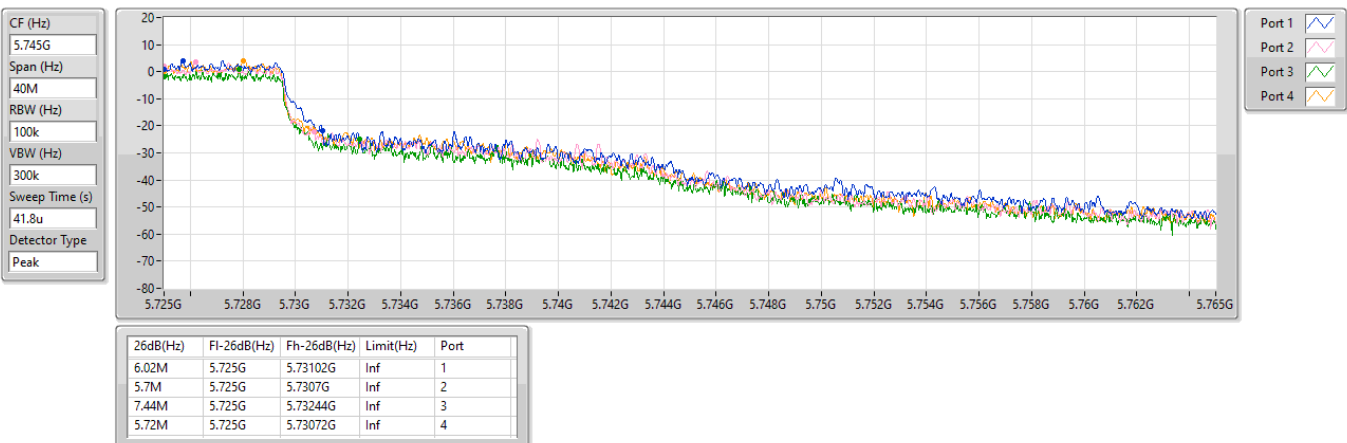


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

21/08/2024

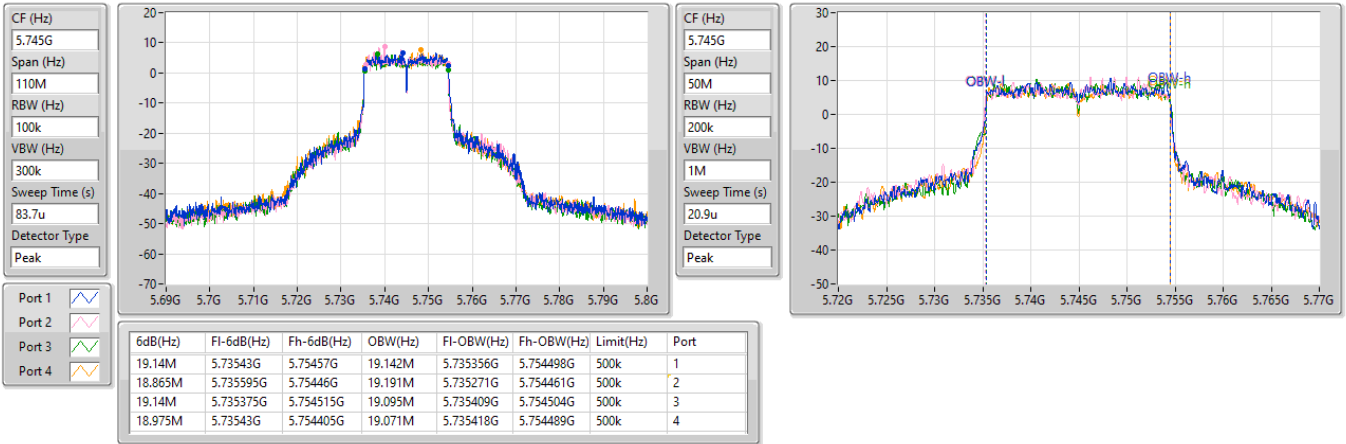


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

21/08/2024

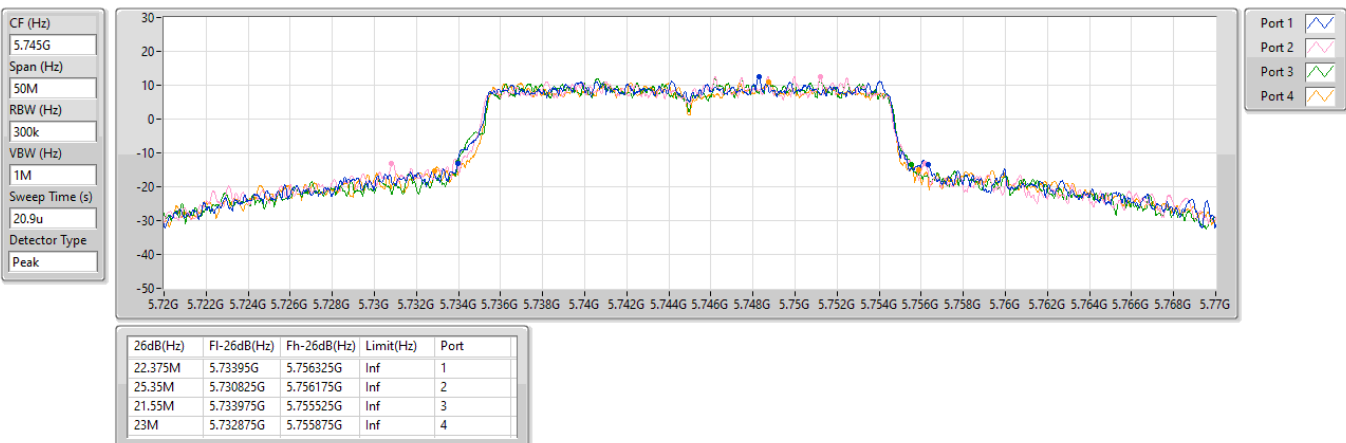


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

21/08/2024

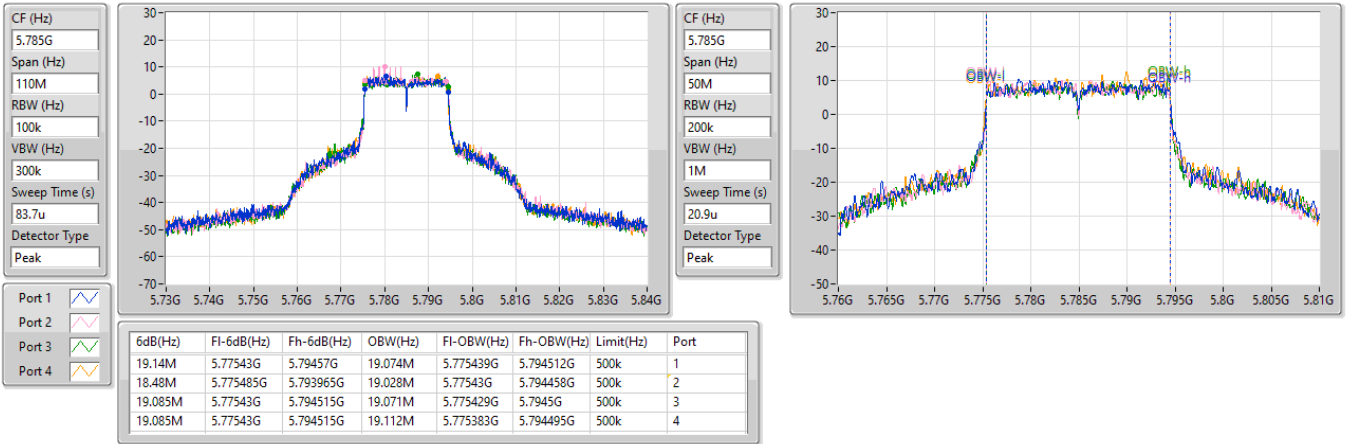


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

21/08/2024

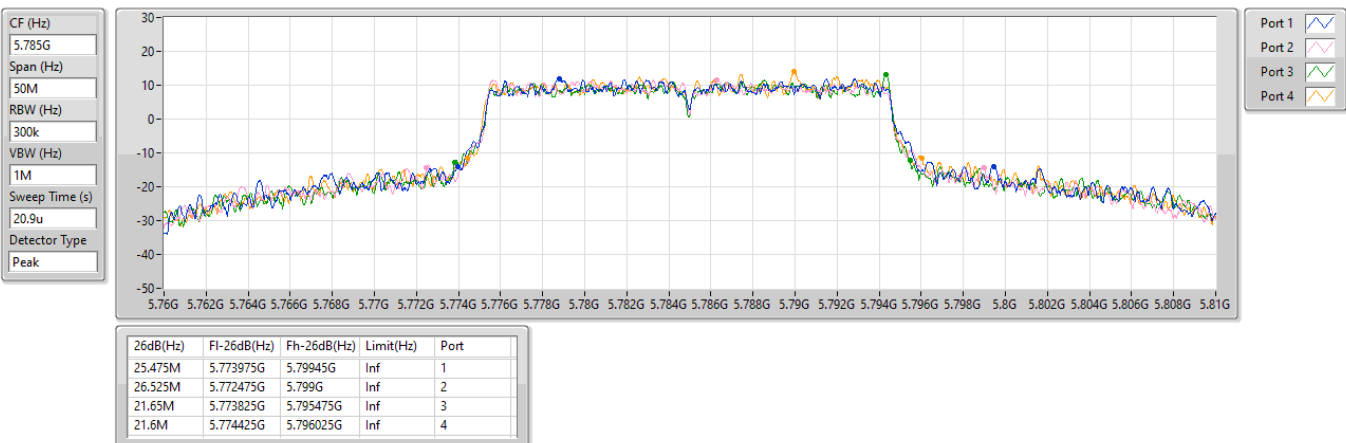


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

21/08/2024

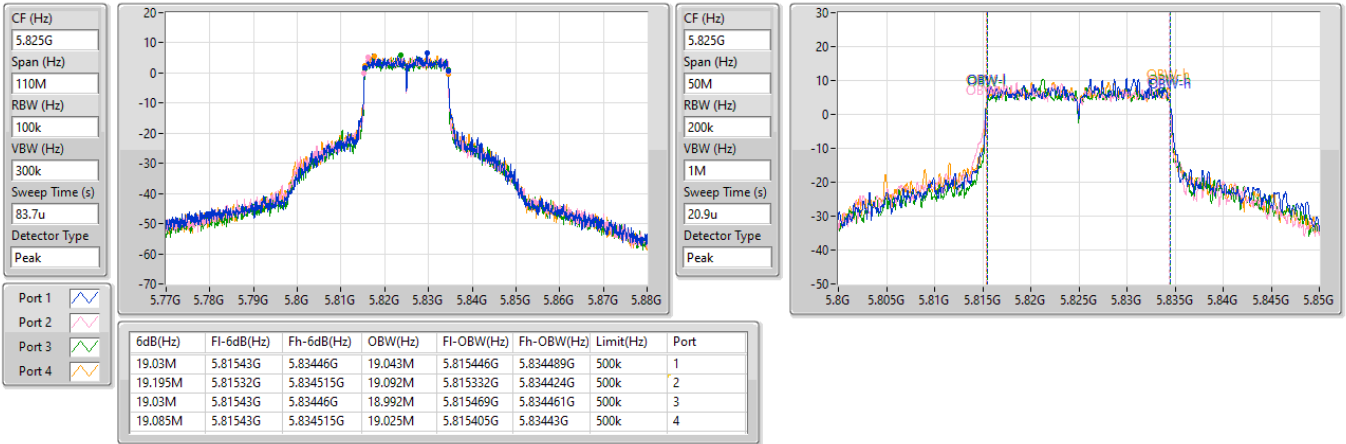


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

21/08/2024

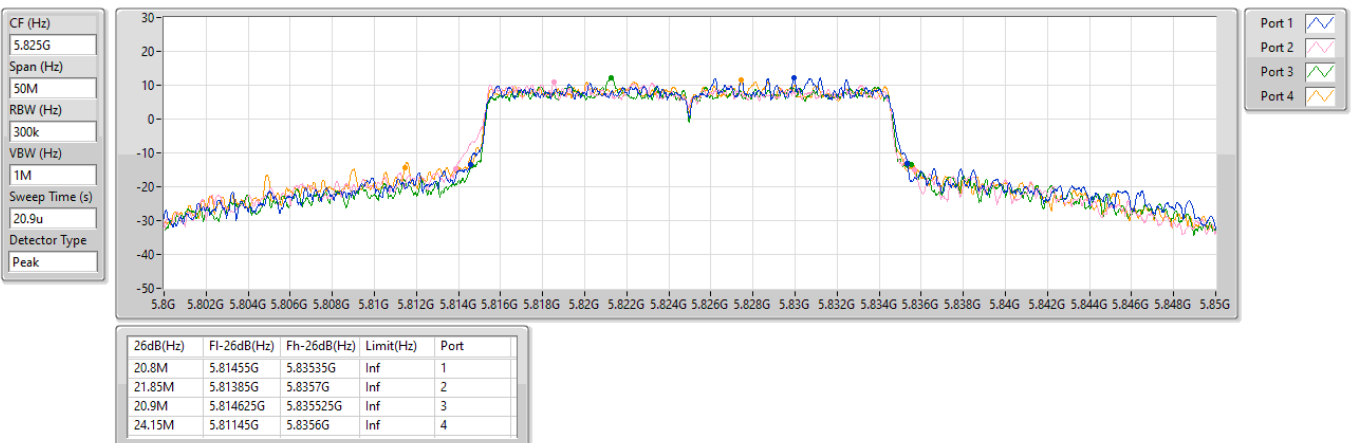


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

21/08/2024

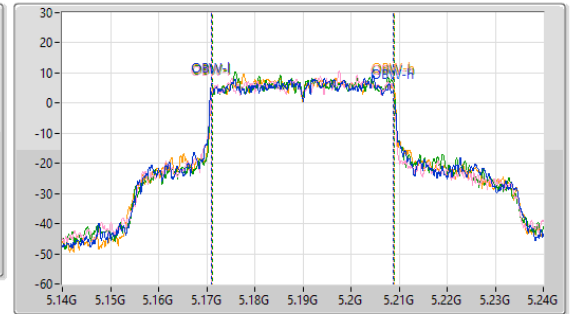
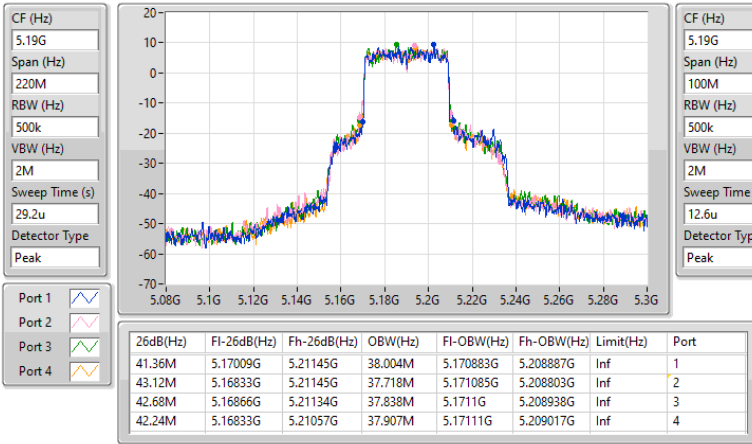


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

21/08/2024

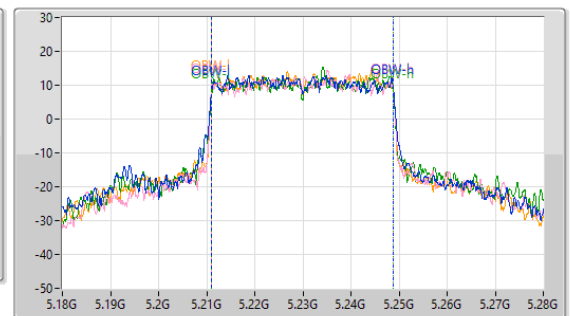
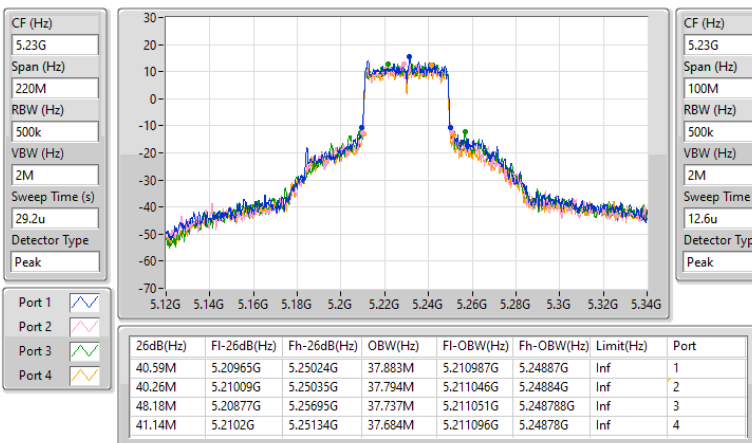


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

21/08/2024

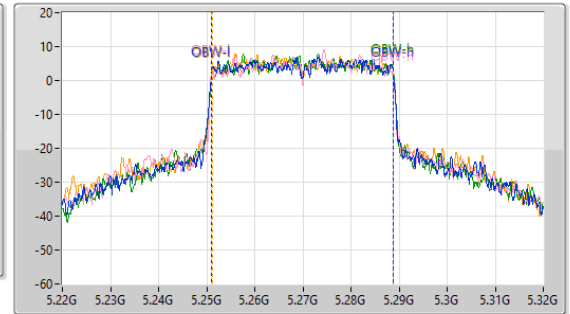
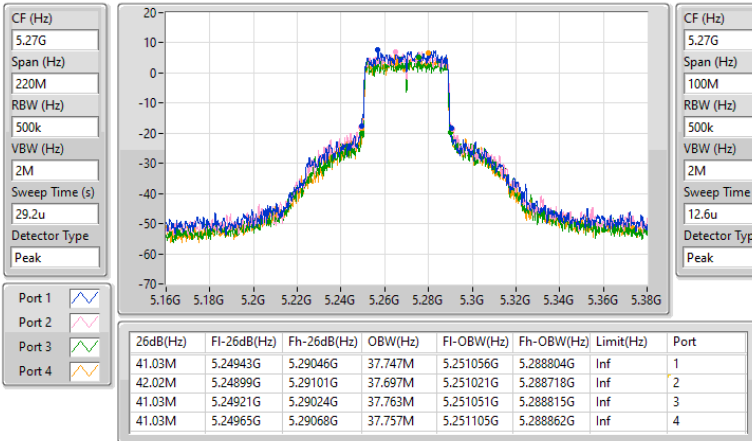


5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

21/08/2024

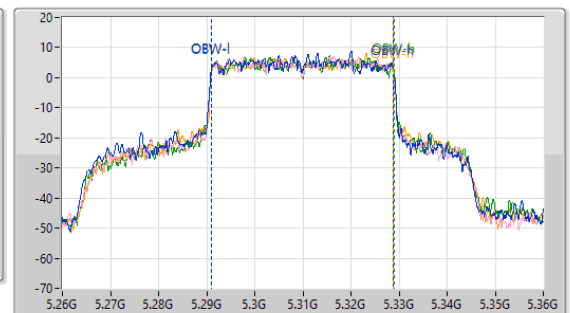
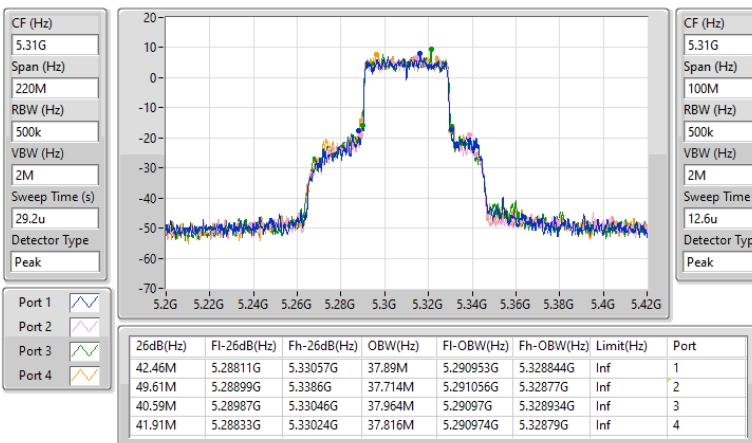


5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

21/08/2024

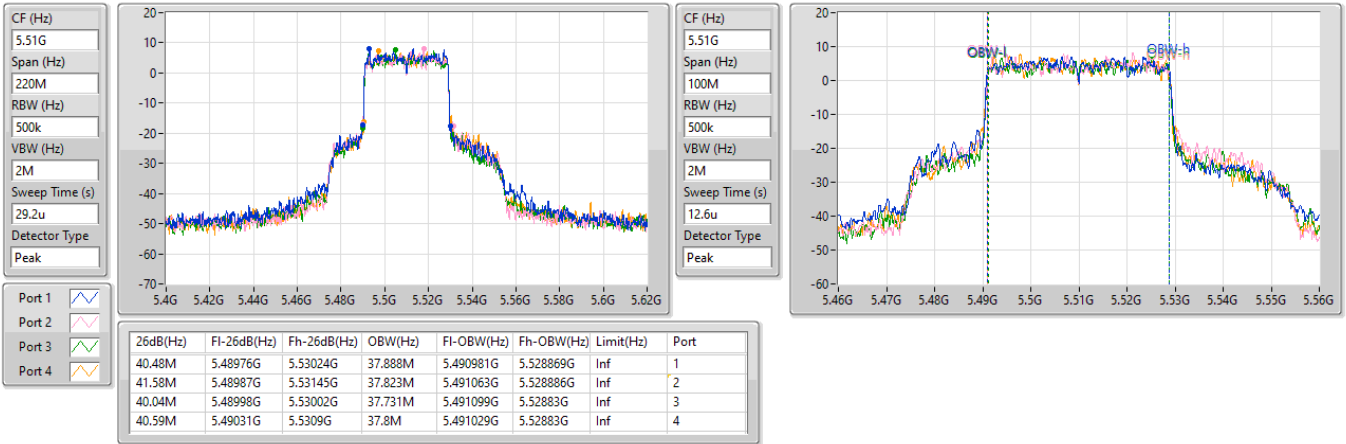


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

21/08/2024

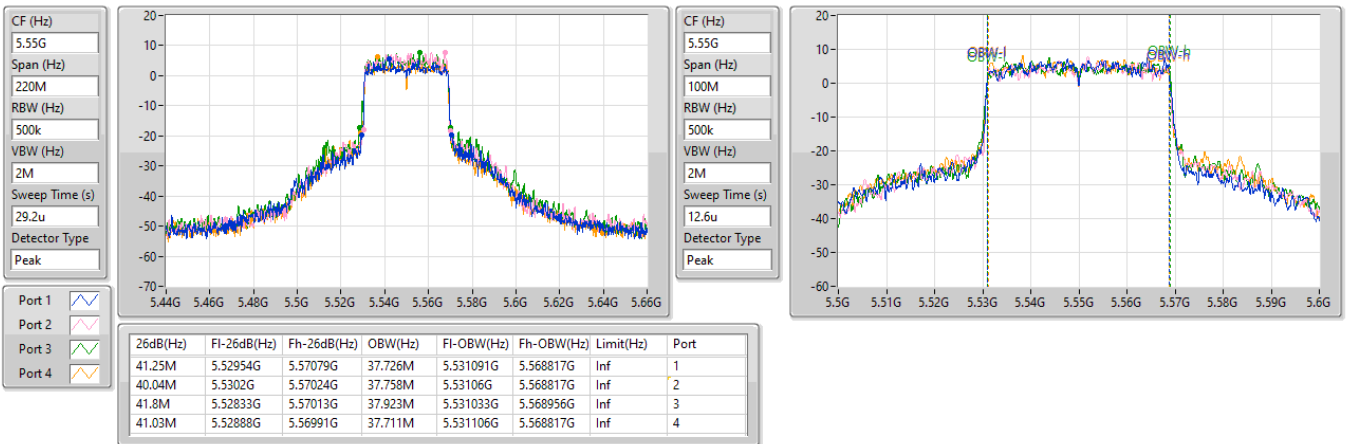


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

21/08/2024

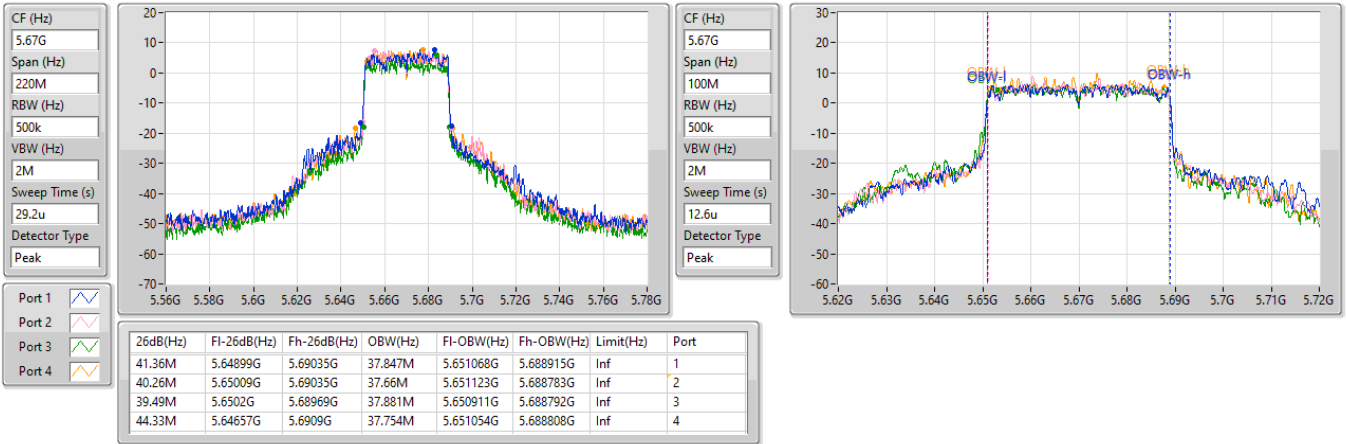


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

21/08/2024

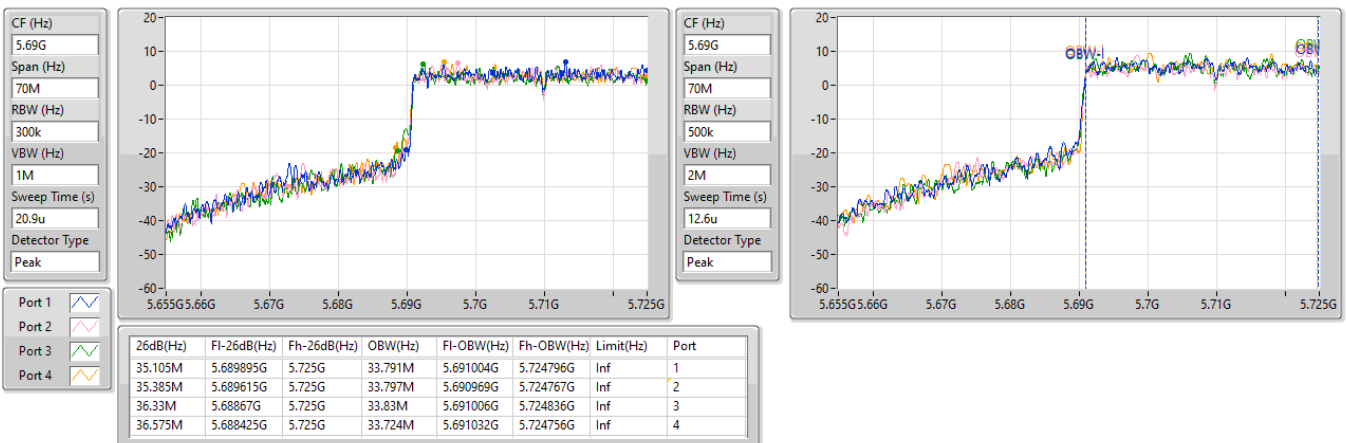


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

21/08/2024

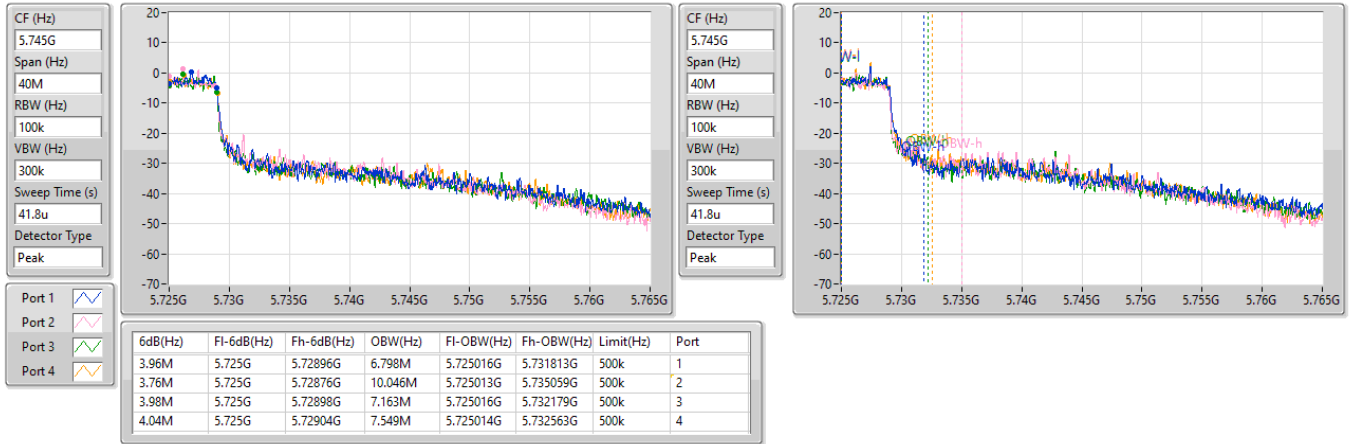


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

21/08/2024

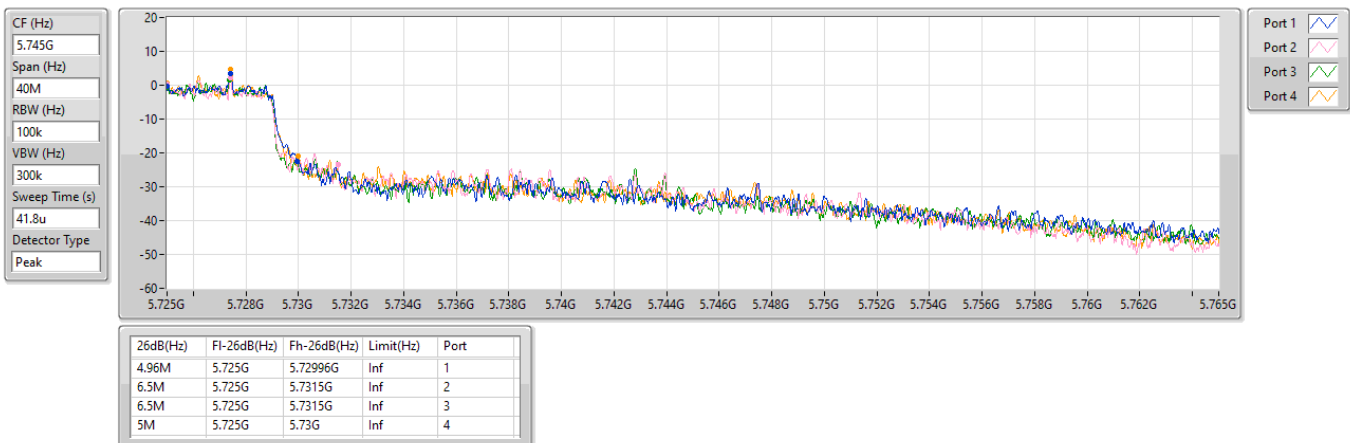


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

21/08/2024

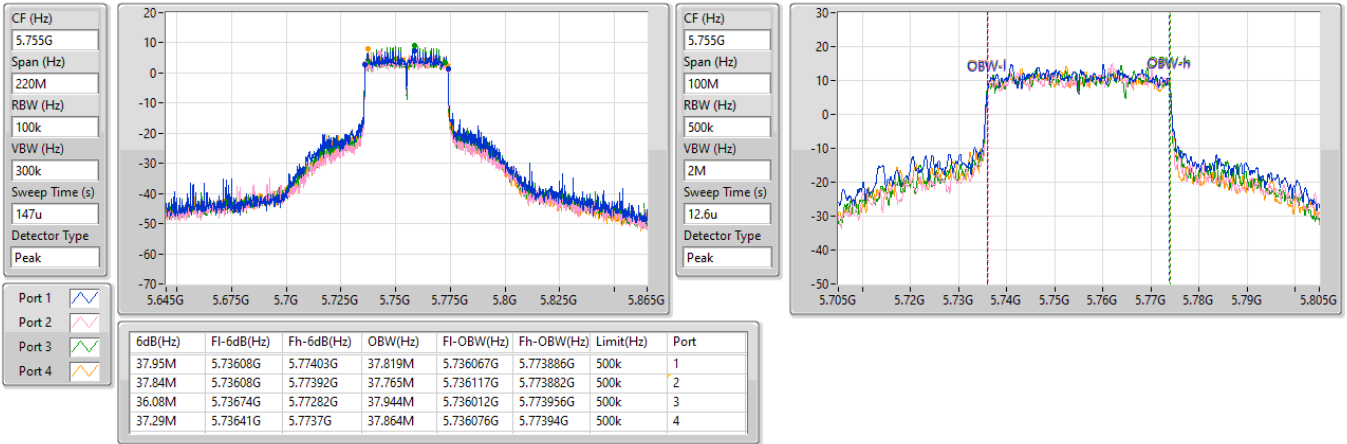


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

21/08/2024

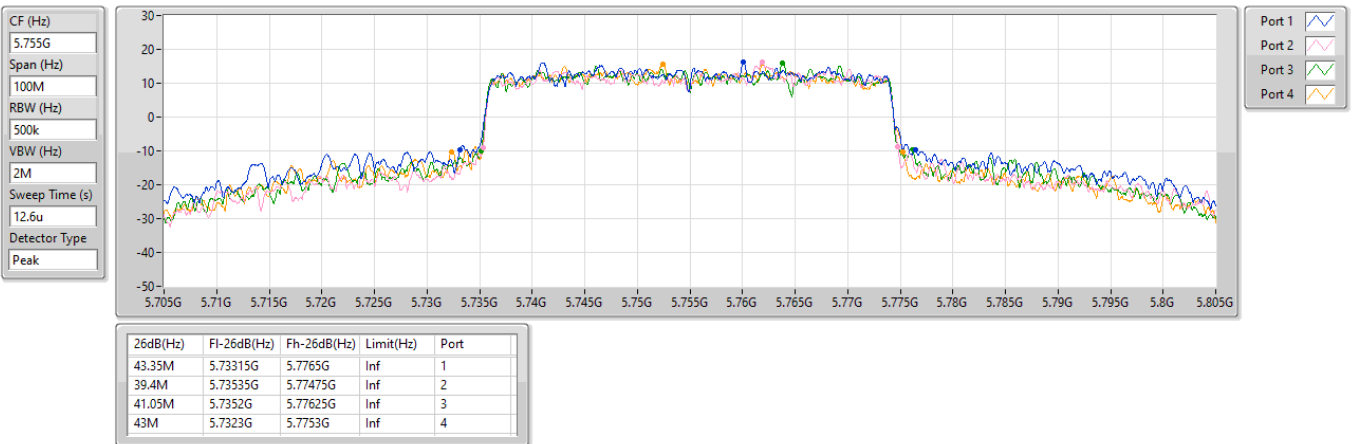


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

21/08/2024

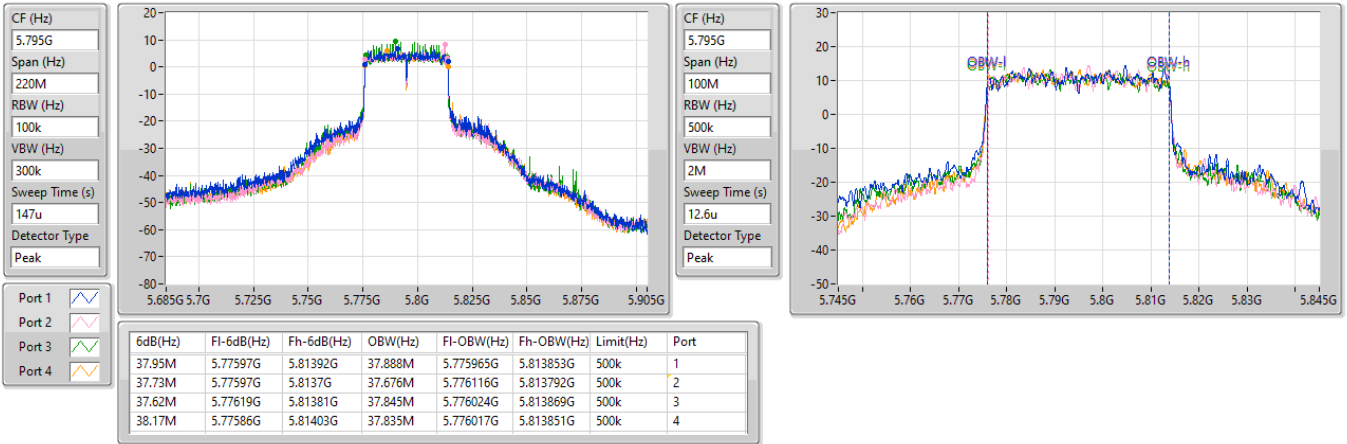


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

21/08/2024

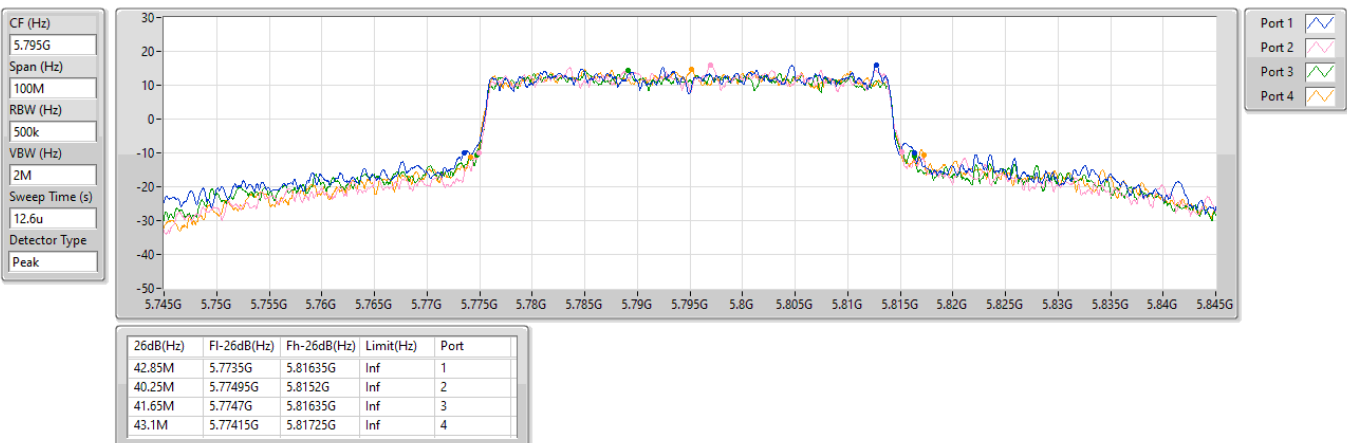


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

21/08/2024

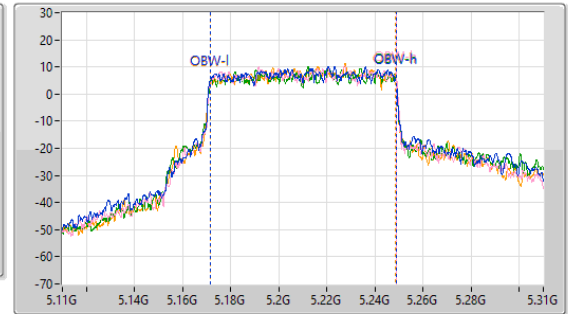
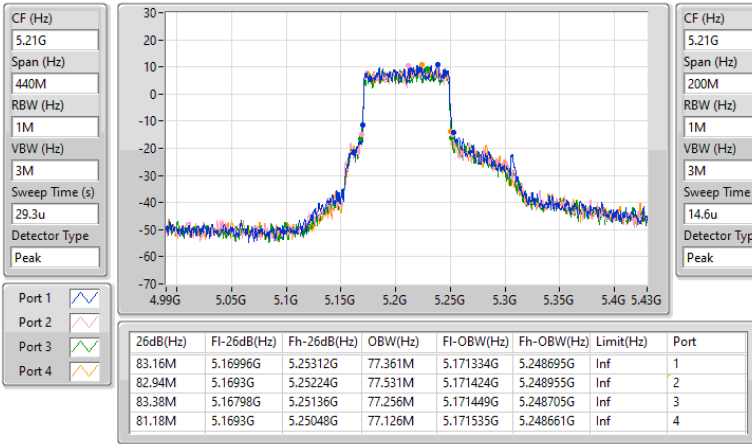


5.15-5.25GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

21/08/2024

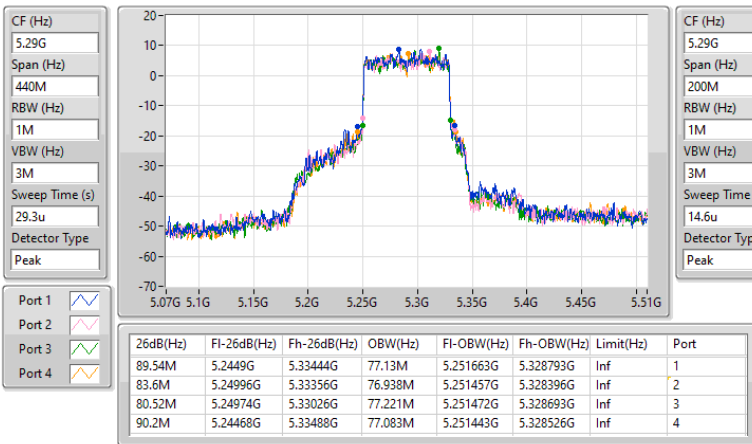


5.25-5.35GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

21/08/2024

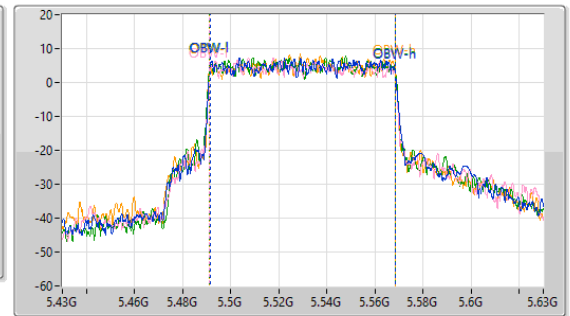
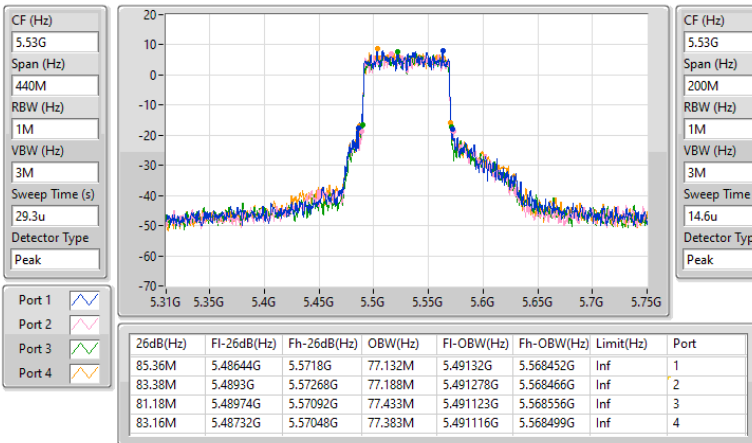


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

21/08/2024

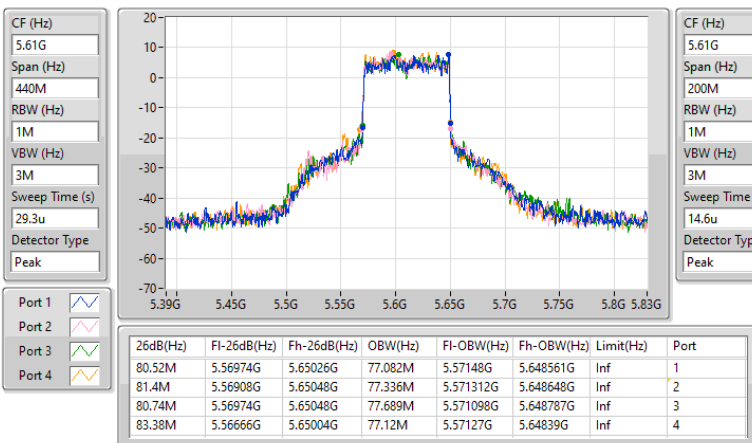


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

21/08/2024

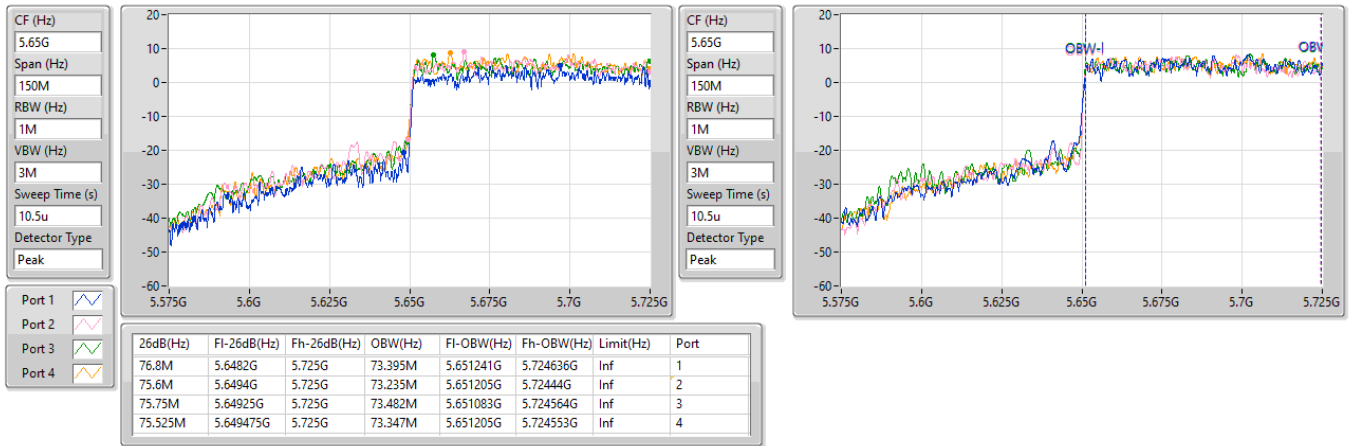


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

21/08/2024

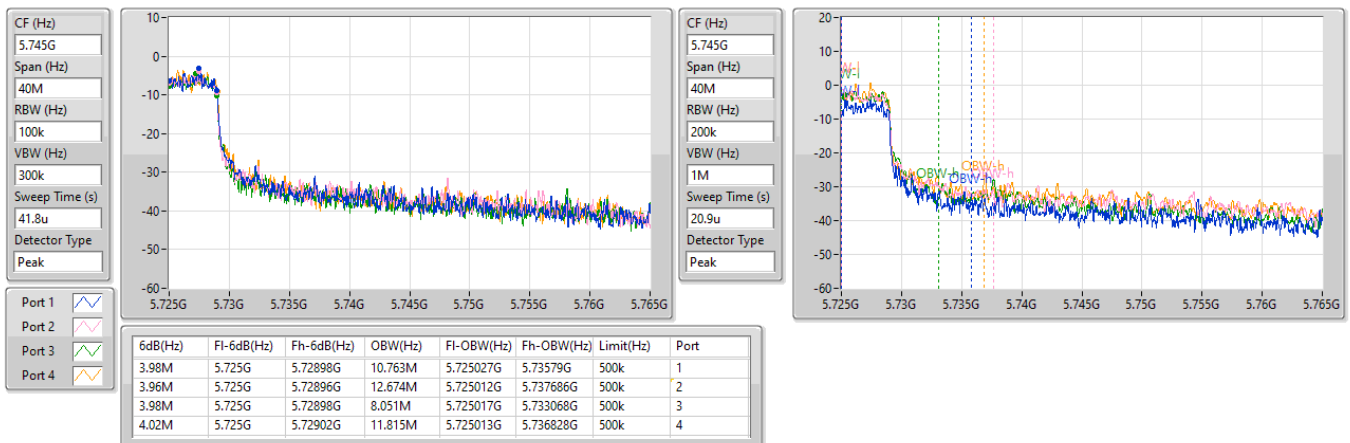


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

21/08/2024

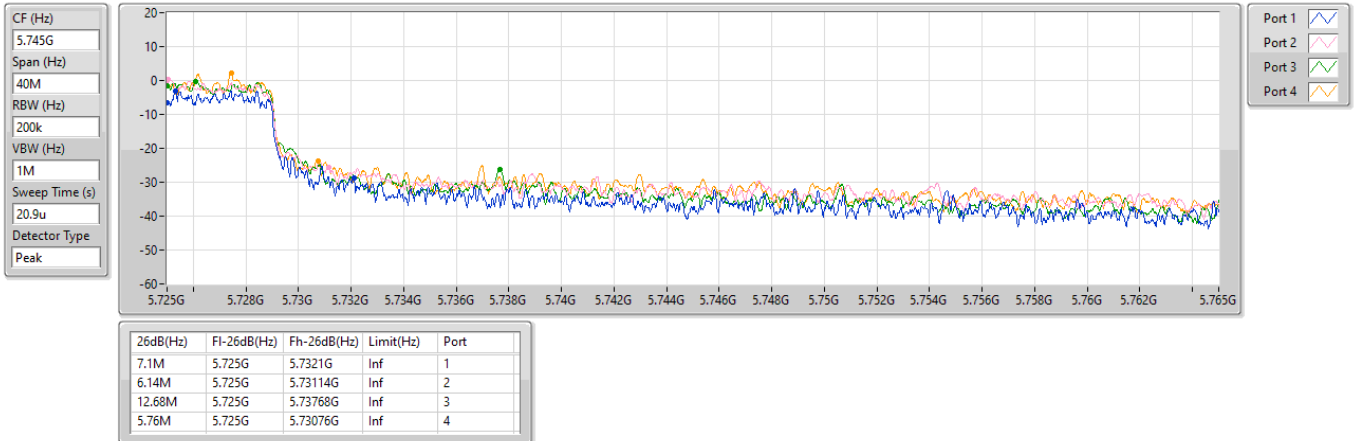


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

21/08/2024

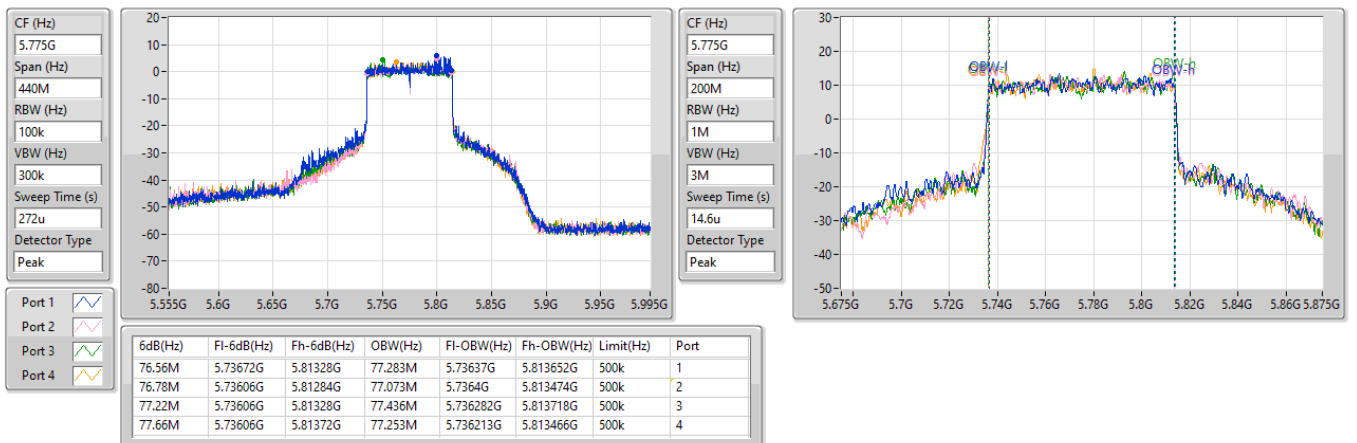


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

EBW

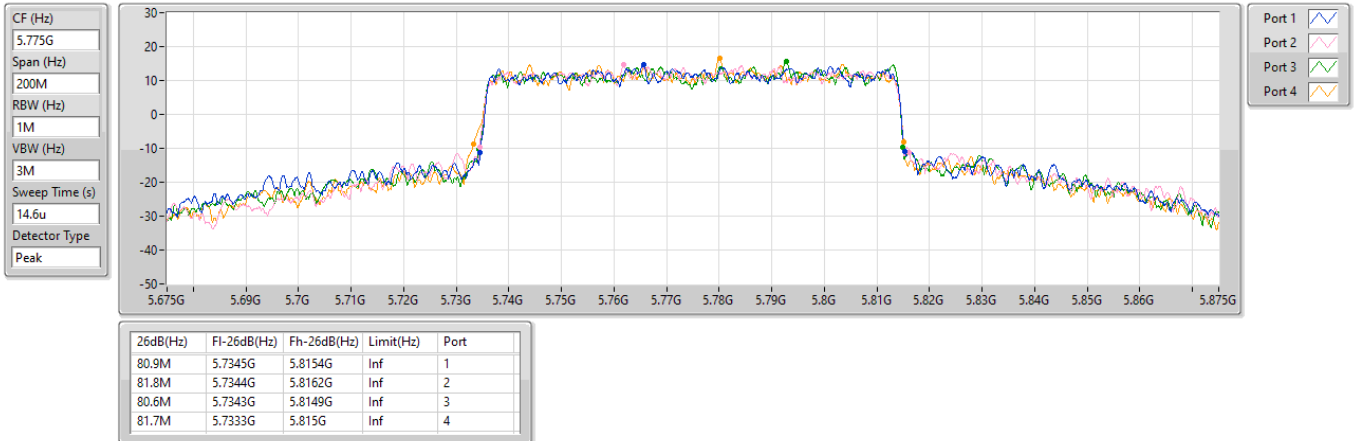
5775MHz

21/08/2024

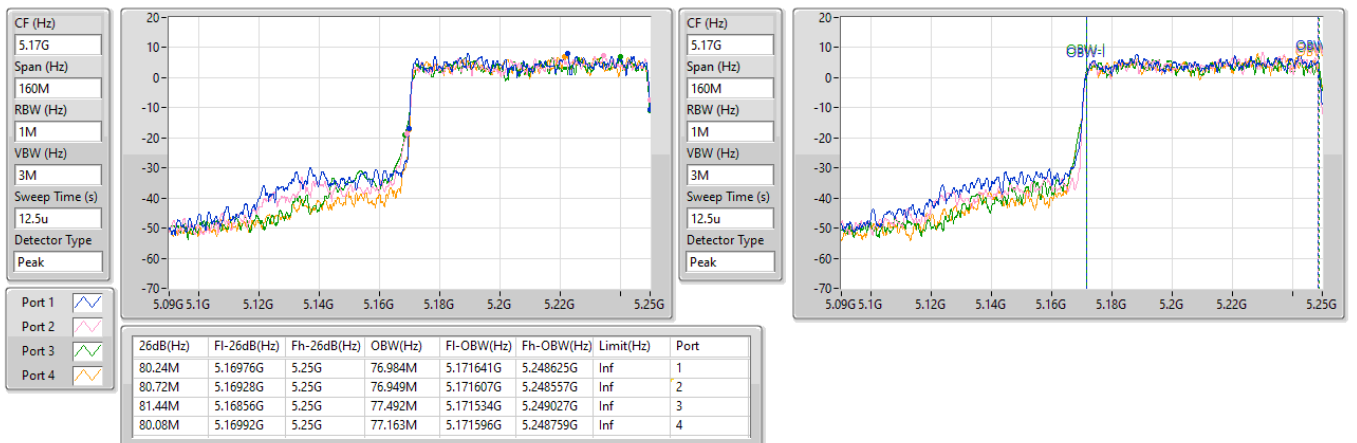


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX
EBW
5775MHz

21/08/2024


5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX
EBW
5250MHz Straddle 5.15-5.25GHz

21/08/2024

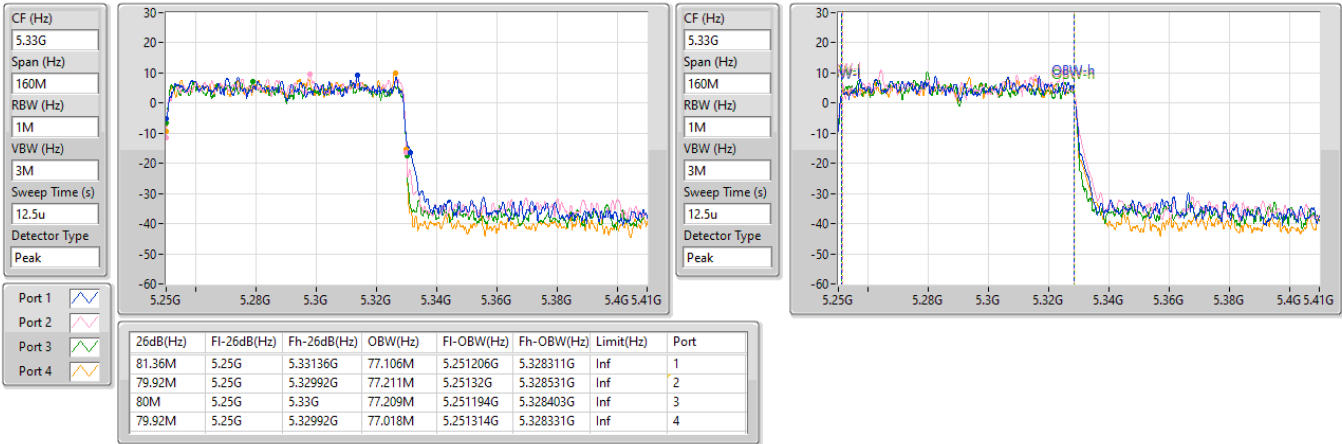


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

21/08/2024

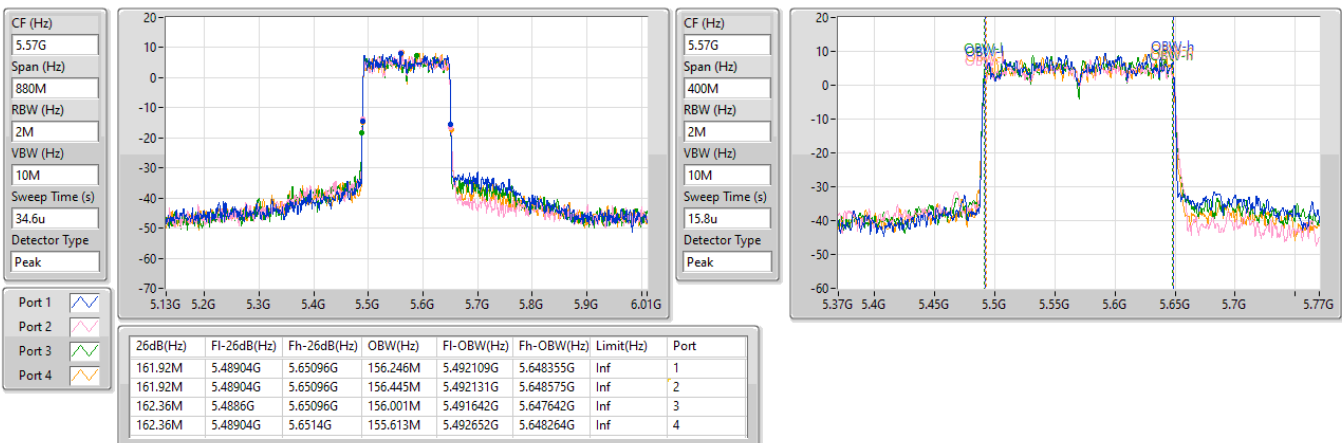


5.47-5.725GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

21/08/2024



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.89	0.97499
802.11be EHT20_Nss1,(MCS0)_4TX	29.83	0.96161
802.11be EHT20-BF_Nss1,(MCS0)_4TX	29.83	0.96161
802.11be EHT40_Nss1,(MCS0)_4TX	29.34	0.85901
802.11be EHT40-BF_Nss1,(MCS0)_4TX	29.85	0.96605
802.11be EHT80_Nss1,(MCS0)_4TX	24.43	0.27733
802.11be EHT80-BF_Nss1,(MCS0)_4TX	25.90	0.38905
802.11be EHT160_Nss1,(MCS0)_4TX	20.94	0.12417
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.07	0.20277
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.84	0.24210
802.11be EHT20_Nss1,(MCS0)_4TX	23.83	0.24155
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.83	0.24155
802.11be EHT40_Nss1,(MCS0)_4TX	23.96	0.24889
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.96	0.24889
802.11be EHT80_Nss1,(MCS0)_4TX	23.36	0.21677
802.11be EHT80-BF_Nss1,(MCS0)_4TX	23.80	0.23988
802.11be EHT160_Nss1,(MCS0)_4TX	21.71	0.14825
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.92	0.24660
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.85	0.24266
802.11be EHT20_Nss1,(MCS0)_4TX	23.93	0.24717
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.93	0.24717
802.11be EHT40_Nss1,(MCS0)_4TX	23.87	0.24378
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.87	0.24378
802.11be EHT80_Nss1,(MCS0)_4TX	23.88	0.24434
802.11be EHT80-BF_Nss1,(MCS0)_4TX	23.88	0.24434
802.11be EHT160_Nss1,(MCS0)_4TX	23.08	0.20324
802.11be EHT160-BF_Nss1,(MCS0)_4TX	23.86	0.24322
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.96	0.99083
802.11be EHT20_Nss1,(MCS0)_4TX	29.95	0.98855
802.11be EHT20-BF_Nss1,(MCS0)_4TX	29.95	0.98855
802.11be EHT40_Nss1,(MCS0)_4TX	29.96	0.99083
802.11be EHT40-BF_Nss1,(MCS0)_4TX	29.96	0.99083
802.11be EHT80_Nss1,(MCS0)_4TX	29.96	0.99083
802.11be EHT80-BF_Nss1,(MCS0)_4TX	29.96	0.99083

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.24	21.85	21.91	21.47	21.25	27.65	30.00
5200MHz	Pass	5.24	24.04	23.64	23.59	23.96	29.83	30.00
5240MHz	Pass	5.24	24.24	23.57	23.47	24.16	29.89	30.00
5260MHz	Pass	5.15	18.31	17	18.04	17.58	23.78	23.98
5300MHz	Pass	5.15	18	17.55	17.8	17.9	23.84	23.98
5320MHz	Pass	5.15	18.06	17.43	17.75	17.88	23.81	23.98
5500MHz	Pass	5.05	18.15	17.5	17.77	17.87	23.85	23.98
5580MHz	Pass	5.05	17.71	17.41	17.81	18.08	23.78	23.98
5700MHz	Pass	5.05	17.04	16.5	16.54	17.01	22.80	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.05	17.39	16.96	16.57	17.04	23.02	23.07
5720MHz Straddle 5.725-5.85GHz	Pass	4.94	11.27	10.98	10.42	10.93	16.93	30.00
5745MHz	Pass	4.94	24.35	23.79	23.49	24.08	29.96	30.00
5785MHz	Pass	4.94	24.06	23.41	23.54	24.44	29.90	30.00
5825MHz	Pass	4.94	24.09	23.58	23.32	24.04	29.79	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.24	20.11	20.12	19.64	19.76	25.93	30.00
5200MHz	Pass	5.24	24.19	23.79	23.38	23.84	29.83	30.00
5240MHz	Pass	5.24	24.12	23.45	23.39	24.23	29.83	30.00
5260MHz	Pass	5.15	18.2	17.29	18	17.69	23.83	23.98
5300MHz	Pass	5.15	17.94	17.47	17.75	17.84	23.77	23.98
5320MHz	Pass	5.15	17.9	17.81	17.68	17.86	23.83	23.98
5500MHz	Pass	5.05	18.02	17.38	17.62	17.85	23.74	23.98
5580MHz	Pass	5.05	17.78	17.59	17.88	18.36	23.93	23.98
5700MHz	Pass	5.05	16.91	16	16.43	16.7	22.54	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.05	17.66	16.38	16.71	16.55	22.87	22.95
5720MHz Straddle 5.725-5.85GHz	Pass	4.94	12.74	11.4	11.9	11.49	17.94	30.00
5745MHz	Pass	4.94	24.46	23.97	23.4	23.51	29.88	30.00
5785MHz	Pass	4.94	24.04	23.94	23.66	23.94	29.92	30.00
5825MHz	Pass	4.94	24.43	23.96	23.39	23.88	29.95	30.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.24	18.6	18.67	18.83	19.09	24.82	30.00
5230MHz	Pass	5.24	23.29	22.92	23	23.99	29.34	30.00
5270MHz	Pass	5.15	18.03	17.46	17.77	17.91	23.82	23.98
5310MHz	Pass	5.15	17.95	17.85	17.94	18	23.96	23.98
5510MHz	Pass	5.05	18.1	17.48	17.47	17.82	23.75	23.98
5550MHz	Pass	5.05	18.12	17.65	17.66	17.94	23.87	23.98
5670MHz	Pass	5.05	17.21	17.21	17.14	17.75	23.36	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.05	18.41	17.55	17.76	17.54	23.85	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	4.94	8.88	8.2	8.3	8.08	14.40	30.00
5755MHz	Pass	4.94	24.72	23.49	23.76	23.69	29.96	30.00
5795MHz	Pass	4.94	24.33	23.66	23.62	23.75	29.87	30.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.24	18.64	18.5	17.91	18.54	24.43	30.00
5290MHz	Pass	5.15	17.66	17.15	17.16	17.35	23.36	23.98
5530MHz	Pass	5.05	18.03	17.57	17.58	18.01	23.82	23.98
5610MHz	Pass	5.05	17.4	17.77	17.9	17.83	23.75	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.05	18.09	17.7	17.82	17.8	23.88	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	4.94	4.83	4.49	4.51	4.38	10.58	30.00
5775MHz	Pass	4.94	24.07	24.14	23.84	23.7	29.96	30.00
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.24	15.38	14.8	14.83	14.63	20.94	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.15	15.87	15.64	15.51	15.72	21.71	23.98
5570MHz	Pass	5.05	17	16.96	17.25	17.04	23.08	23.98
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	5.35	22.49	22.59	22.1	22.26	28.38	30.00
5200MHz	Pass	5.35	24.19	23.79	23.38	23.84	29.83	30.00
5240MHz	Pass	5.35	24.12	23.45	23.39	24.23	29.83	30.00
5260MHz	Pass	5.86	18.2	17.29	18	17.69	23.83	23.98
5300MHz	Pass	5.86	17.94	17.47	17.75	17.84	23.77	23.98
5320MHz	Pass	5.86	17.9	17.81	17.68	17.86	23.83	23.98
5500MHz	Pass	5.30	18.02	17.38	17.62	17.85	23.74	23.98
5580MHz	Pass	5.30	17.78	17.59	17.88	18.36	23.93	23.98
5700MHz	Pass	5.30	18.21	17.4	17.59	18.12	23.86	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.30	17.66	16.38	16.71	16.55	22.87	22.93
5720MHz Straddle 5.725-5.85GHz	Pass	5.17	12.74	11.4	11.9	11.49	17.94	30.00
5745MHz	Pass	5.17	24.46	23.97	23.4	23.51	29.88	30.00
5785MHz	Pass	5.17	24.04	23.94	23.66	23.94	29.92	30.00
5825MHz	Pass	5.17	24.43	23.96	23.39	23.88	29.95	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.35	19.02	19.17	19.46	19.55	25.33	30.00
5230MHz	Pass	5.35	23.85	23.32	23.63	24.44	29.85	30.00
5270MHz	Pass	5.86	18.03	17.46	17.77	17.91	23.82	23.98
5310MHz	Pass	5.86	17.95	17.85	17.94	18	23.96	23.98
5510MHz	Pass	5.30	18.1	17.48	17.47	17.82	23.75	23.98
5550MHz	Pass	5.30	18.12	17.65	17.66	17.94	23.87	23.98
5670MHz	Pass	5.30	17.82	17.66	17.68	18.2	23.87	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.30	18.41	17.55	17.76	17.54	23.85	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.17	8.88	8.2	8.3	8.08	14.40	30.00
5755MHz	Pass	5.17	24.72	23.49	23.76	23.69	29.96	30.00
5795MHz	Pass	5.17	24.33	23.66	23.62	23.75	29.87	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.35	20.11	20.03	19.48	19.86	25.90	30.00
5290MHz	Pass	5.86	18.02	17.62	17.62	17.85	23.80	23.98
5530MHz	Pass	5.30	18.03	17.57	17.58	18.01	23.82	23.98
5610MHz	Pass	5.30	17.4	17.77	17.9	17.83	23.75	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.30	18.09	17.7	17.82	17.8	23.88	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.17	4.83	4.49	4.51	4.38	10.58	30.00
5775MHz	Pass	5.17	24.07	24.14	23.84	23.7	29.96	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.35	17.47	17.02	16.87	16.79	23.07	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.86	18	18.01	17.65	17.91	23.92	23.98
5570MHz	Pass	5.30	18.03	17.62	17.84	17.86	23.86	23.98

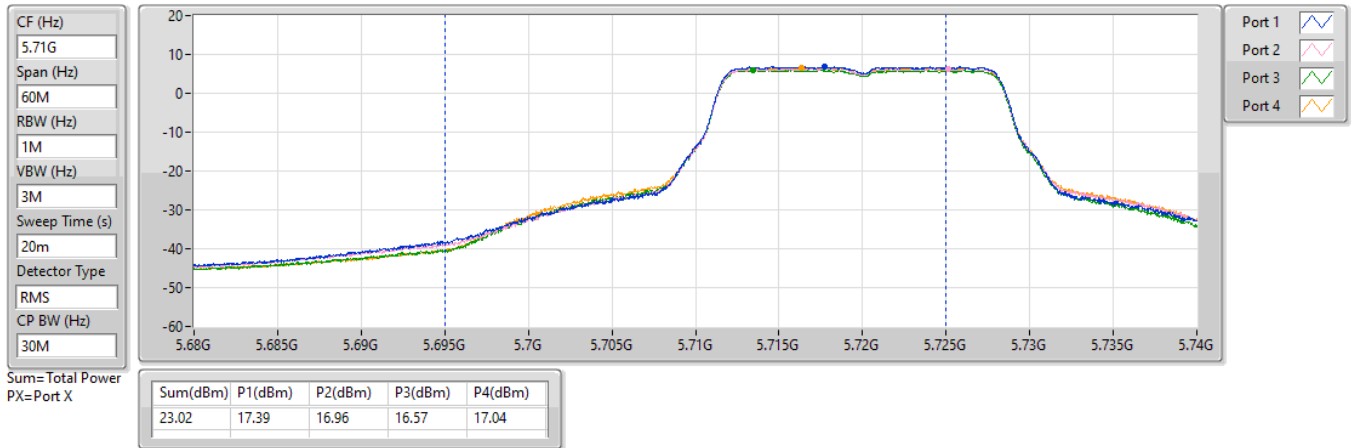
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

24/09/2024

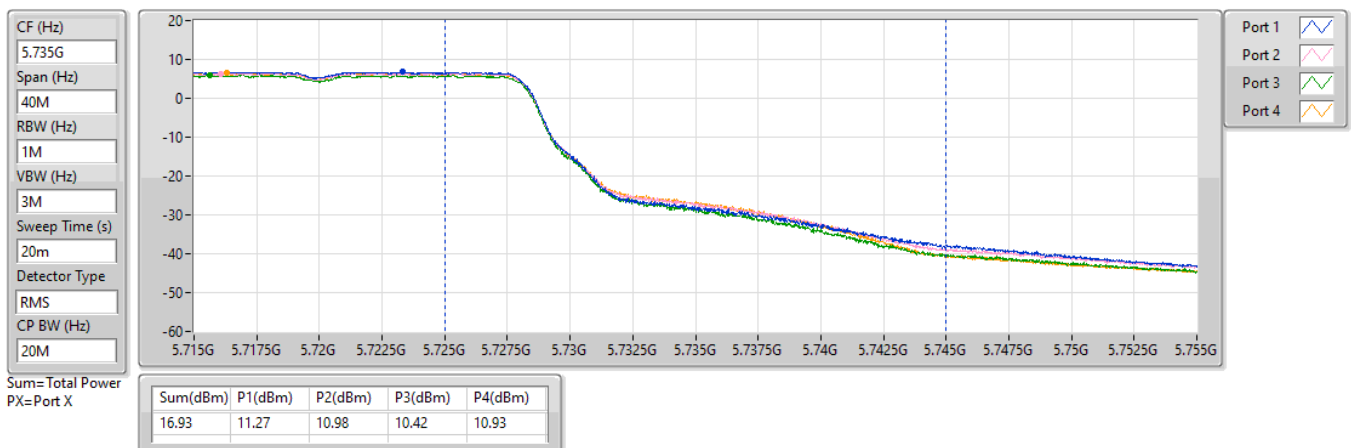


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

24/09/2024



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

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

09/10/2024

CF (Hz)
5.71G

Span (Hz)
60M

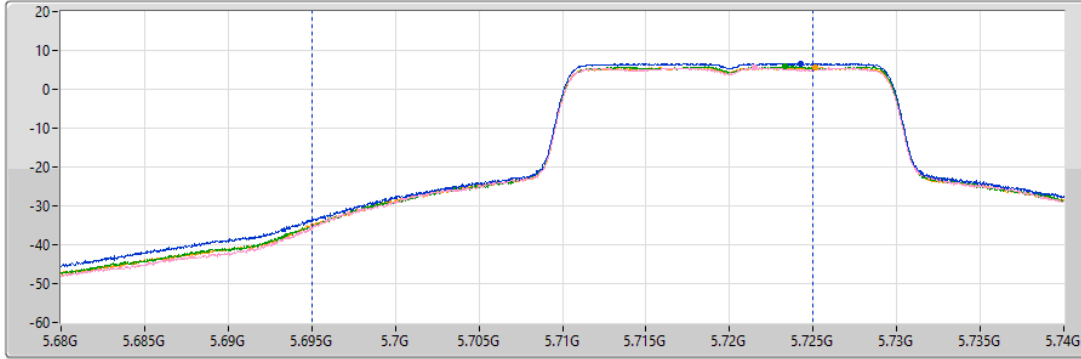
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
30M



Port 1 

Port 2 

Port 3 

Port 4 

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.87	17.66	16.38	16.71	16.55

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

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

09/10/2024

CF (Hz)
5.735G

Span (Hz)
40M

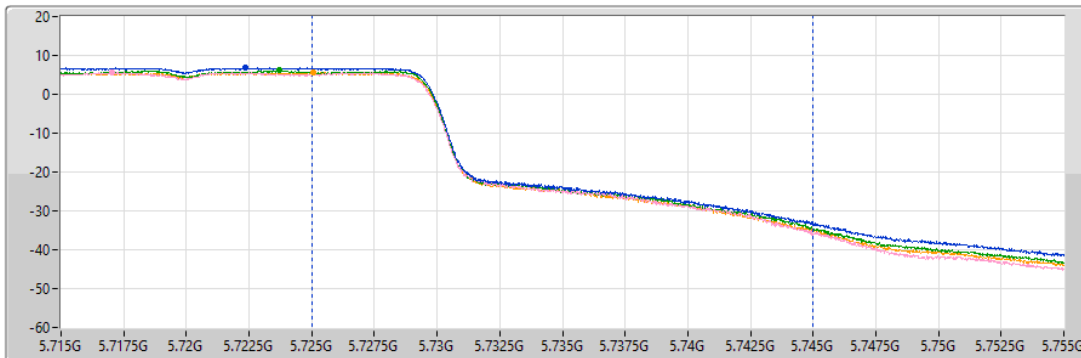
RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

CP BW (Hz)
20M



Port 1 

Port 2 

Port 3 

Port 4 

Sum=Total Power
PX=Port X

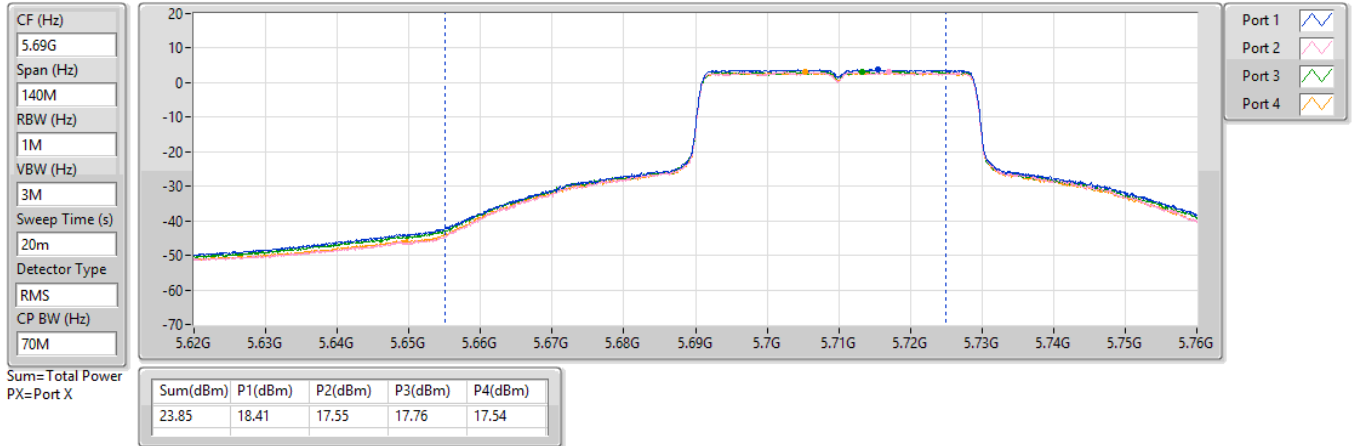
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.94	12.74	11.40	11.90	11.49

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

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

09/10/2024

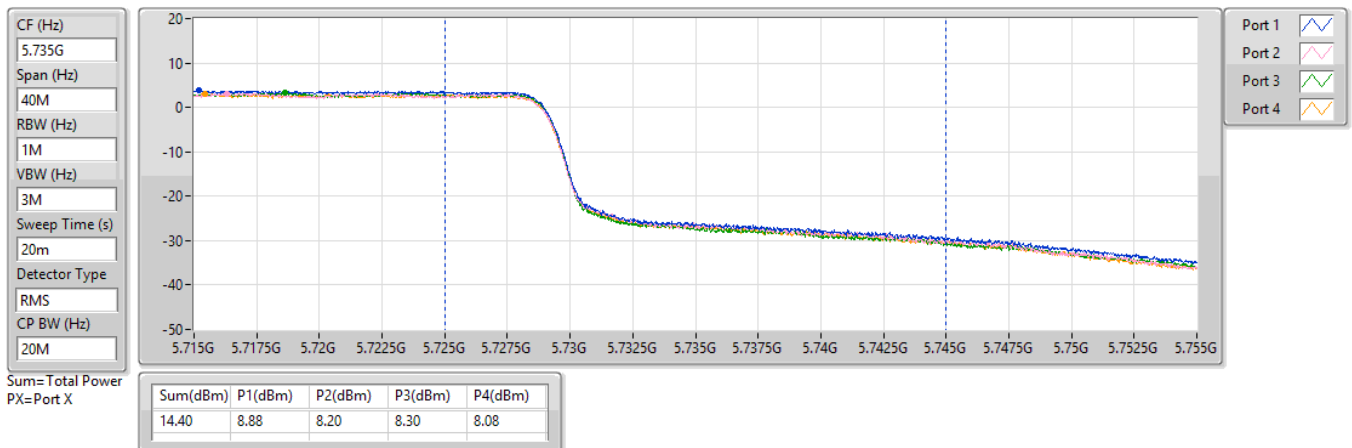


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

09/10/2024

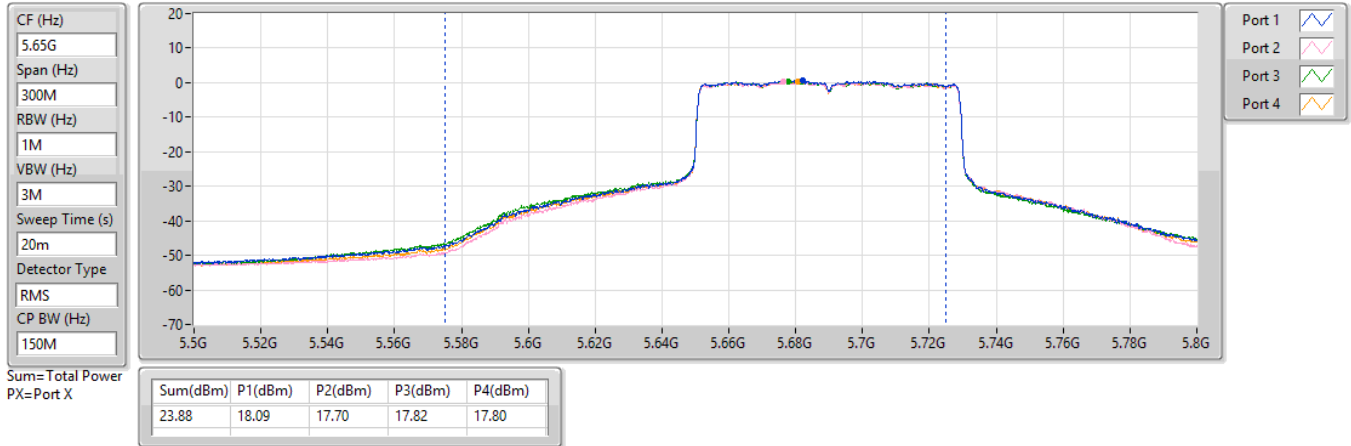


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

09/10/2024

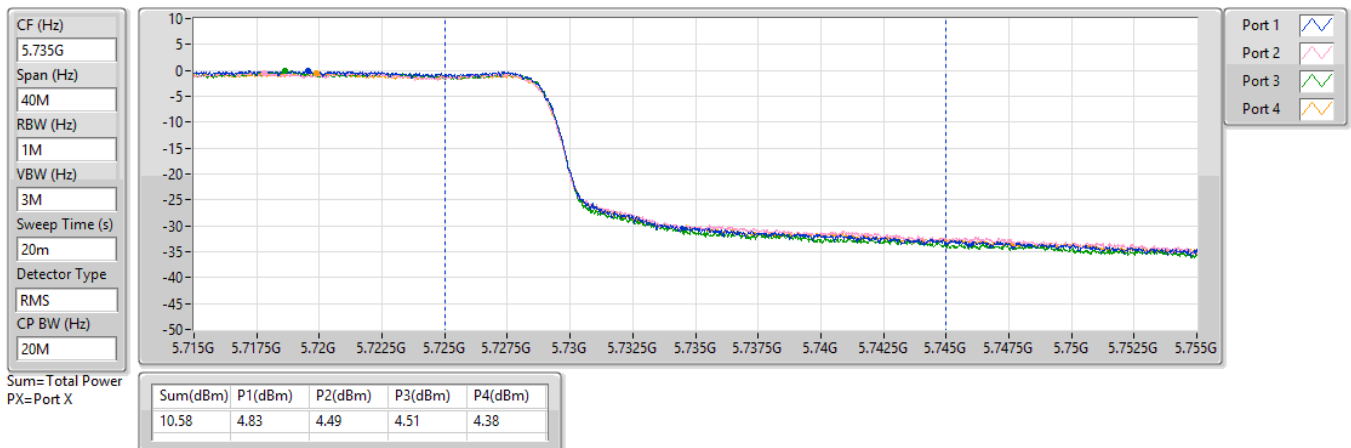


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

09/10/2024

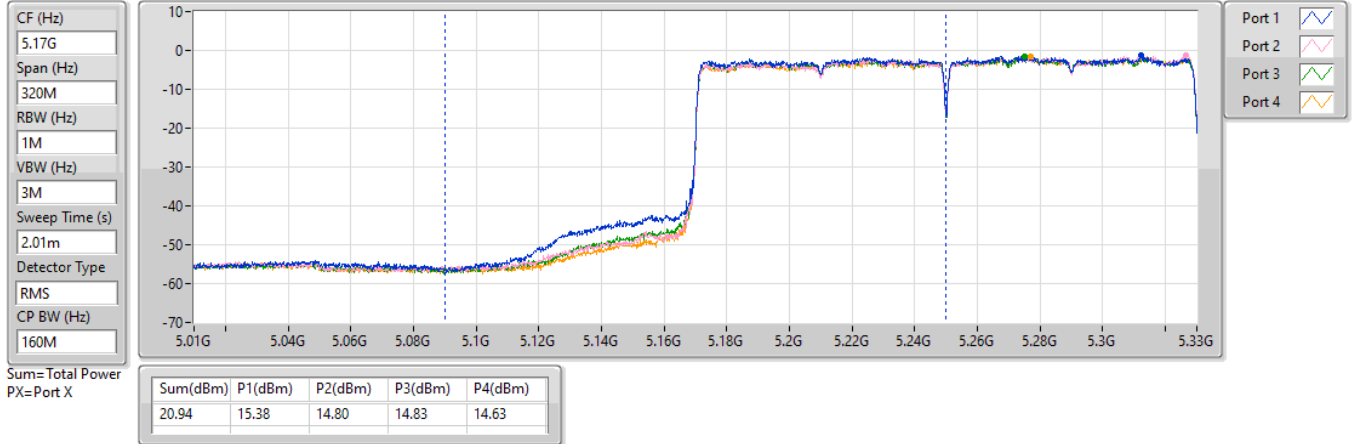


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

21/08/2024

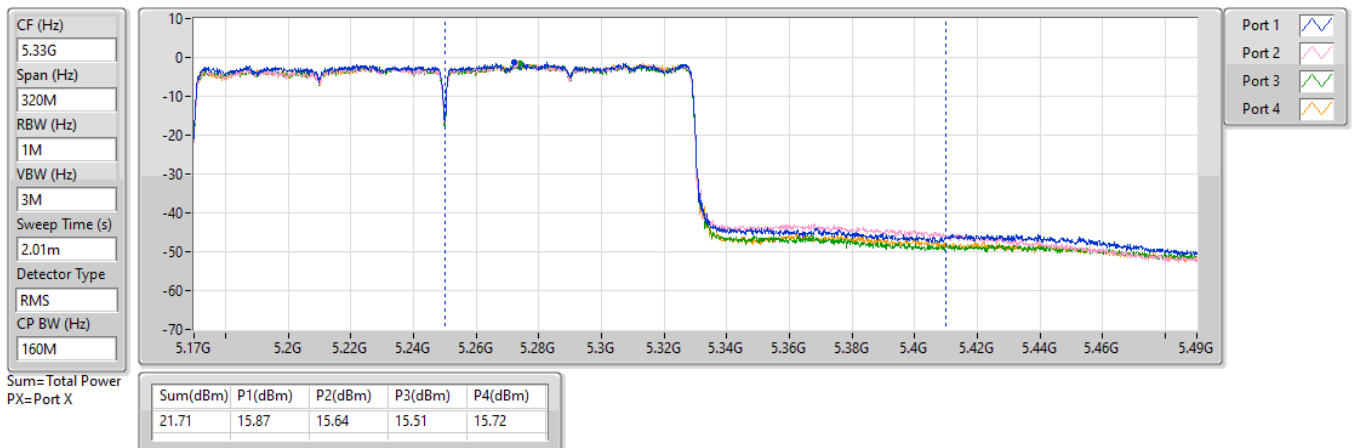


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

21/08/2024

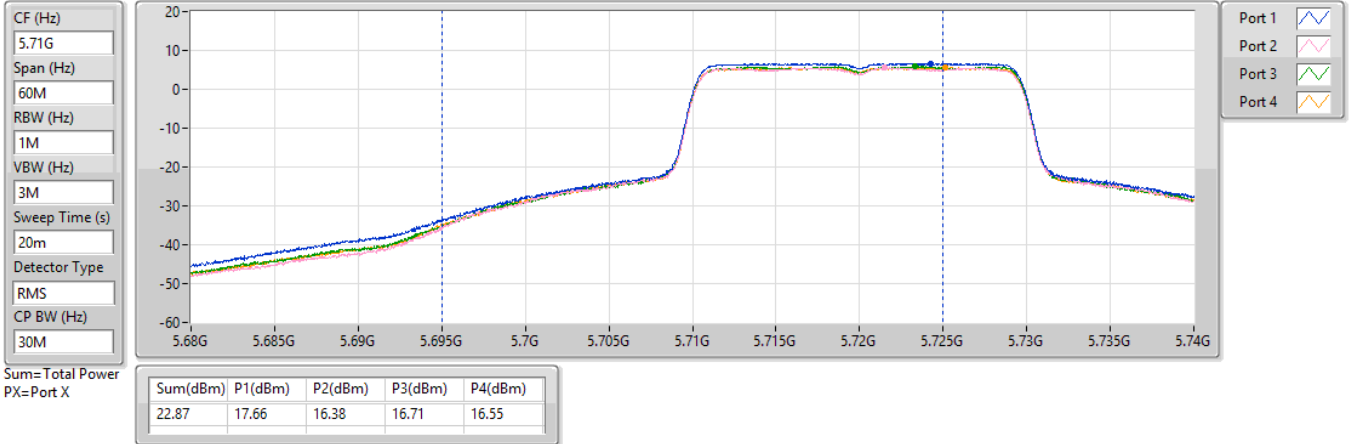


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

09/10/2024

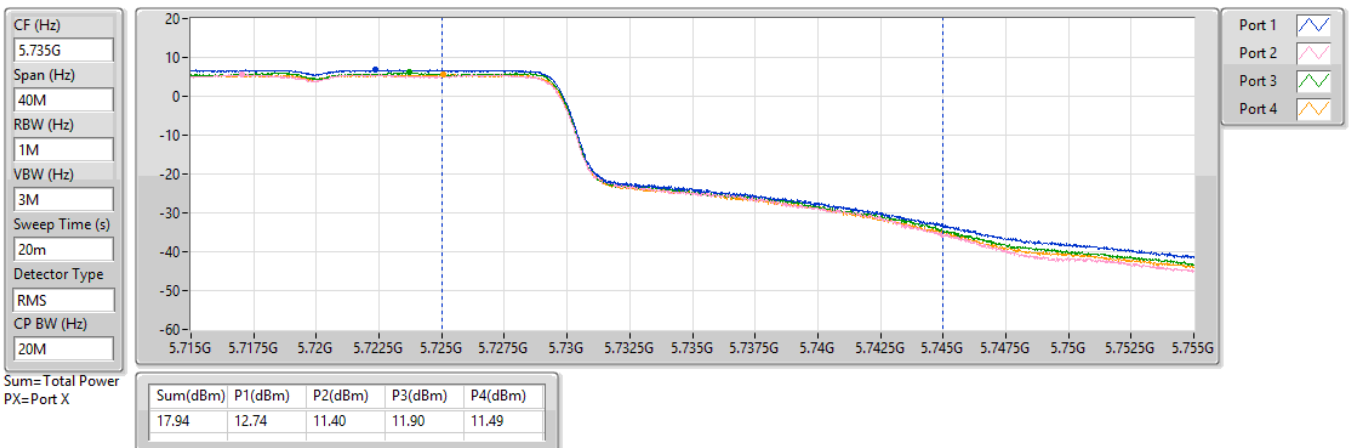


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

09/10/2024

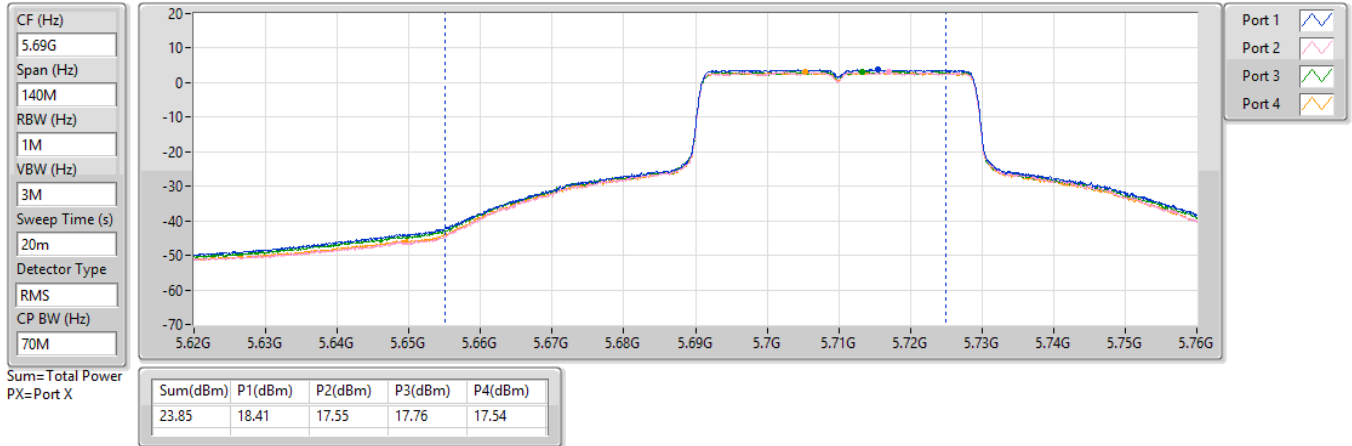


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

09/10/2024

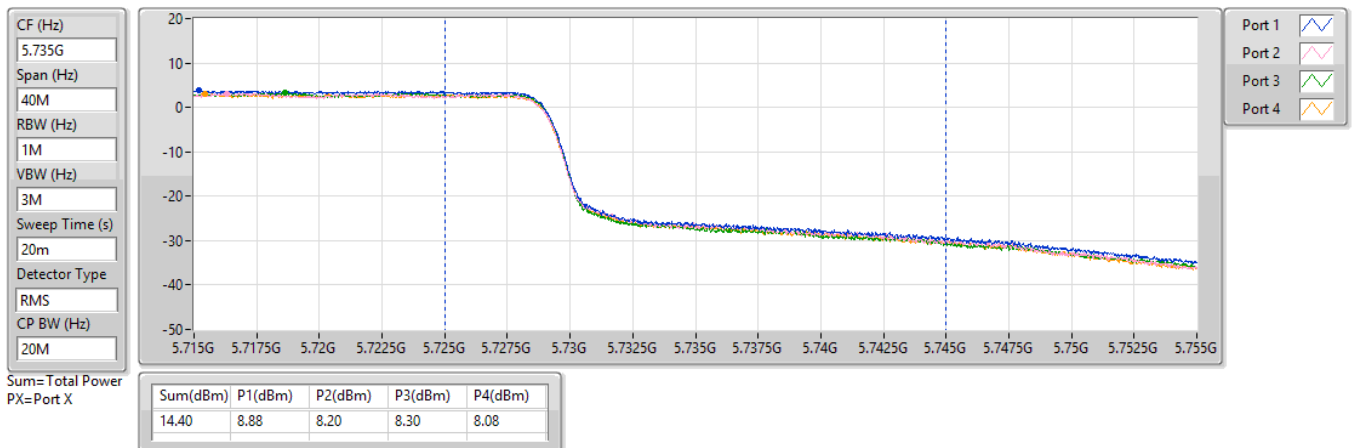


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

09/10/2024

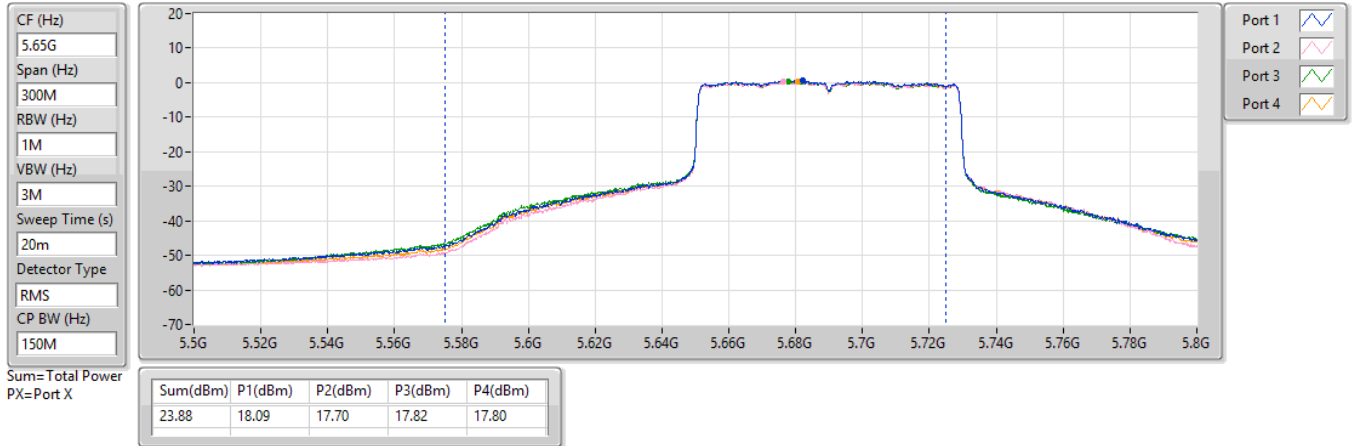


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

09/10/2024

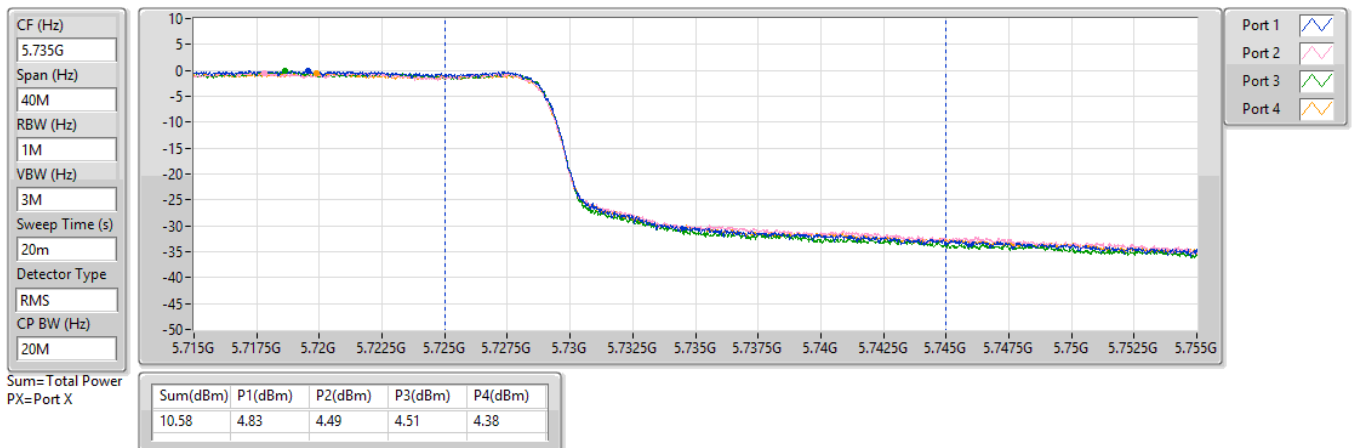


5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

09/10/2024

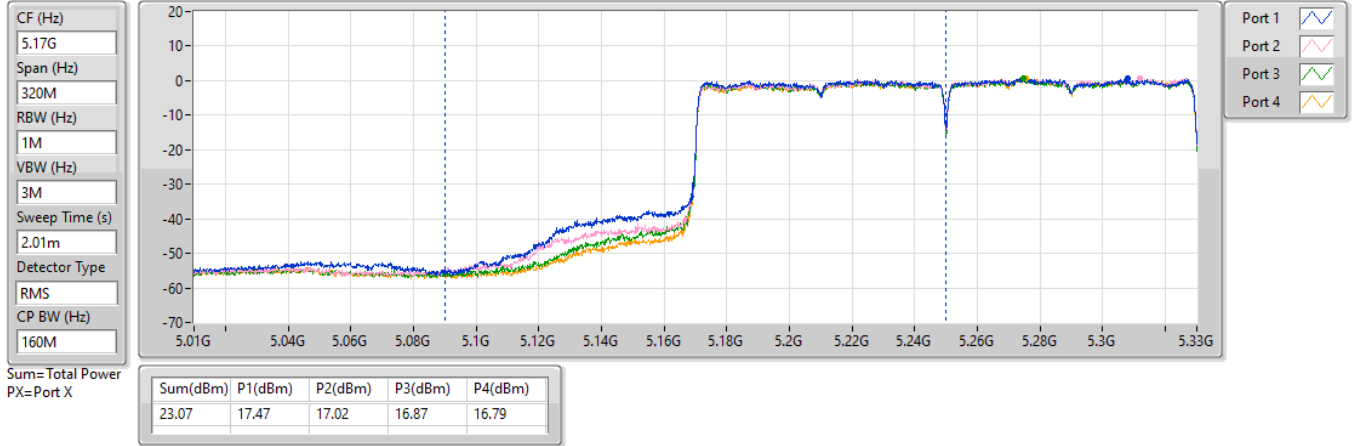


5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

21/08/2024

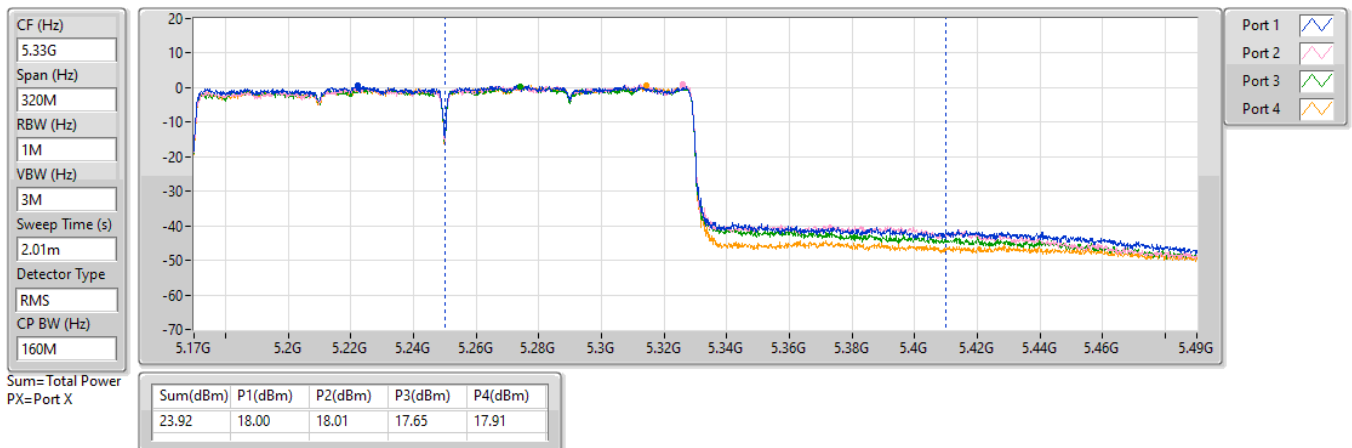


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

21/08/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.43
802.11be EHT20_Nss1,(MCS0)_4TX	15.63
802.11be EHT20-BF_Nss1,(MCS0)_4TX	15.98
802.11be EHT40_Nss1,(MCS0)_4TX	12.37
802.11be EHT40-BF_Nss1,(MCS0)_4TX	13.05
802.11be EHT80_Nss1,(MCS0)_4TX	5.06
802.11be EHT80-BF_Nss1,(MCS0)_4TX	6.55
802.11be EHT160_Nss1,(MCS0)_4TX	1.80
802.11be EHT160-BF_Nss1,(MCS0)_4TX	3.89
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.61
802.11be EHT20_Nss1,(MCS0)_4TX	9.74
802.11be EHT20-BF_Nss1,(MCS0)_4TX	10.13
802.11be EHT40_Nss1,(MCS0)_4TX	7.06
802.11be EHT40-BF_Nss1,(MCS0)_4TX	7.22
802.11be EHT80_Nss1,(MCS0)_4TX	3.97
802.11be EHT80-BF_Nss1,(MCS0)_4TX	4.45
802.11be EHT160_Nss1,(MCS0)_4TX	2.41
802.11be EHT160-BF_Nss1,(MCS0)_4TX	4.63
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.81
802.11be EHT20_Nss1,(MCS0)_4TX	10.28
802.11be EHT20-BF_Nss1,(MCS0)_4TX	10.25
802.11be EHT40_Nss1,(MCS0)_4TX	7.53
802.11be EHT40-BF_Nss1,(MCS0)_4TX	7.69
802.11be EHT80_Nss1,(MCS0)_4TX	4.66
802.11be EHT80-BF_Nss1,(MCS0)_4TX	4.64
802.11be EHT160_Nss1,(MCS0)_4TX	1.32
802.11be EHT160-BF_Nss1,(MCS0)_4TX	1.67
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	15.21
802.11be EHT20_Nss1,(MCS0)_4TX	14.23
802.11be EHT20-BF_Nss1,(MCS0)_4TX	13.09
802.11be EHT40_Nss1,(MCS0)_4TX	11.39
802.11be EHT40-BF_Nss1,(MCS0)_4TX	11.69
802.11be EHT80_Nss1,(MCS0)_4TX	8.81
802.11be EHT80-BF_Nss1,(MCS0)_4TX	8.48

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.35	8.72	8.83	8.08	8.58	14.30	17.00
5200MHz	Pass	5.35	10.78	10.56	10.23	10.9	16.35	17.00
5240MHz	Pass	5.35	10.87	10.42	10.39	11.04	16.43	17.00
5260MHz	Pass	5.86	5.21	4.1	4.99	4.74	10.61	11.00
5300MHz	Pass	5.86	4.87	4.31	4.42	4.64	10.41	11.00
5320MHz	Pass	5.86	4.7	4.56	4.57	4.69	10.47	11.00
5500MHz	Pass	5.30	4.88	4.25	4.55	4.73	10.43	11.00
5580MHz	Pass	5.30	4.47	4.34	4.52	5.07	10.41	11.00
5700MHz	Pass	5.30	3.89	3.18	3.16	3.68	9.41	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.30	5.13	4.9	4.46	4.93	10.81	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.17	3.67	3.37	2.95	3.31	9.23	30.00
5745MHz	Pass	5.17	9.86	9.17	8.76	9.37	15.21	30.00
5785MHz	Pass	5.17	9.34	8.87	8.81	9.57	15.04	30.00
5825MHz	Pass	5.17	9.34	9.06	8.91	9.49	15.10	30.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	5.35	6.19	6.43	5.8	6.15	11.96	17.00
5200MHz	Pass	5.35	9.98	9.68	9.45	9.81	15.62	17.00
5240MHz	Pass	5.35	10.03	9.35	9.32	10.05	15.63	17.00
5260MHz	Pass	5.86	4.15	3.26	3.98	3.63	9.74	11.00
5300MHz	Pass	5.86	3.93	3.51	3.56	3.66	9.62	11.00
5320MHz	Pass	5.86	3.82	3.76	3.54	3.63	9.59	11.00
5500MHz	Pass	5.30	4.13	3.24	3.43	3.74	9.57	11.00
5580MHz	Pass	5.30	4.01	3.66	3.78	4.27	9.88	11.00
5700MHz	Pass	5.30	2.73	1.87	2.27	2.55	8.33	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.30	5.09	4.01	4.38	4.08	10.28	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.17	3.75	2.62	2.95	2.57	8.86	30.00
5745MHz	Pass	5.17	8.76	8.20	8.04	7.97	14.10	30.00
5785MHz	Pass	5.17	8.57	8.19	8.22	8.11	14.17	30.00
5825MHz	Pass	5.17	8.62	8.43	7.78	8.38	14.23	30.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.35	1.93	2.07	2.19	2.25	7.98	17.00
5230MHz	Pass	5.35	6.35	6.1	6.06	7.04	12.37	17.00
5270MHz	Pass	5.86	1.27	0.72	1.2	1.28	7.06	11.00
5310MHz	Pass	5.86	0.93	1.11	1.1	1.18	7.04	11.00
5510MHz	Pass	5.30	1.1	0.53	0.64	0.81	6.71	11.00
5550MHz	Pass	5.30	1.22	0.77	0.93	1.06	6.97	11.00
5670MHz	Pass	5.30	0.28	0.36	0.29	0.86	6.41	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.30	2.21	1.49	1.55	1.46	7.53	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.17	0.58	-0.12	-0.05	-0.19	5.96	30.00
5755MHz	Pass	5.17	6.26	5.04	5.46	5.21	11.37	30.00
5795MHz	Pass	5.17	5.82	5.28	5.26	5.37	11.39	30.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.35	-0.75	-0.73	-1.46	-0.74	5.06	17.00
5290MHz	Pass	5.86	-1.67	-2.25	-2.14	-1.93	3.97	11.00
5530MHz	Pass	5.30	-1.46	-1.81	-1.7	-1.46	4.34	11.00
5610MHz	Pass	5.30	-2.04	-1.54	-1.47	-1.48	4.37	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.30	-0.98	-1.20	-1.30	-1.27	4.66	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.17	-3.14	-3.47	-3.45	-3.58	2.50	30.00
5775MHz	Pass	5.17	2.94	2.95	2.82	2.87	8.81	30.00
802.11be EHT160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.35	-3.81	-4.34	-4.28	-4.44	1.80	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.86	-3.38	-3.56	-3.66	-3.52	2.41	11.00
5570MHz	Pass	5.30	-4.78	-4.83	-4.52	-4.59	1.32	11.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

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)
5180MHz	Pass	5.35	9.05	8.89	8.69	8.65	14.66	17.00
5200MHz	Pass	5.35	10.4	10.12	9.58	10.08	15.96	17.00
5240MHz	Pass	5.35	10.48	9.74	9.54	10.51	15.98	17.00
5260MHz	Pass	5.86	4.6	3.67	4.3	4.04	10.11	11.00
5300MHz	Pass	5.86	4.19	3.94	4.02	4.08	10.02	11.00
5320MHz	Pass	5.86	4.26	4.2	4.17	4.08	10.13	11.00
5500MHz	Pass	5.30	4.46	3.75	3.84	4.05	9.99	11.00
5580MHz	Pass	5.30	4.39	4.06	4.17	4.65	10.25	11.00
5700MHz	Pass	5.30	4.42	3.87	4.17	4.38	10.18	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.30	4.8	3.62	4.08	4.19	10.16	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.17	3.17	2.06	2.49	2.57	8.57	30.00
5745MHz	Pass	5.17	6.95	6.46	6.38	6.36	12.46	30.00
5785MHz	Pass	5.17	6.96	7.44	6.86	7.26	13.09	30.00
5825MHz	Pass	5.17	5.99	6.5	5.48	6.28	12.01	30.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	5.35	2.49	2.72	2.8	3.12	8.70	17.00
5230MHz	Pass	5.35	7.12	6.72	6.86	7.68	13.05	17.00
5270MHz	Pass	5.86	1.36	1.06	1.36	1.3	7.22	11.00
5310MHz	Pass	5.86	1.2	1.25	1.28	1.34	7.16	11.00
5510MHz	Pass	5.30	1.54	0.75	0.82	1.16	6.98	11.00
5550MHz	Pass	5.30	1.34	0.98	1.12	1.32	7.14	11.00
5670MHz	Pass	5.30	1.12	1	0.98	1.63	7.14	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.30	2.1	1.41	1.4	1.96	7.69	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.17	0.34	-0.43	-0.06	0.18	6.00	30.00
5755MHz	Pass	5.17	6.15	5.13	5.4	5.34	11.49	30.00
5795MHz	Pass	5.17	6.09	5.63	5.48	5.74	11.69	30.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	5.35	0.74	0.76	0.19	0.54	6.55	17.00
5290MHz	Pass	5.86	-1.17	-1.79	-1.76	-1.42	4.45	11.00
5530MHz	Pass	5.30	-1.22	-1.86	-1.65	-1.45	4.39	11.00
5610MHz	Pass	5.30	-1.95	-1.58	-1.52	-1.58	4.35	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.30	-1.39	-1.38	-1.61	-1.01	4.64	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.17	-3.59	-3.87	-3.89	-3.32	2.32	30.00
5775MHz	Pass	5.17	2.47	2.67	2.26	2.64	8.48	30.00
802.11be EHT160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.35	-1.76	-2.08	-2.31	-2.28	3.89	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.86	-1.29	-1.15	-1.49	-1.31	4.63	11.00
5570MHz	Pass	5.30	-4.18	-4.53	-4.39	-4.26	1.67	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.

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

PSD

5180MHz

20/08/2024

CF (Hz)
5.18G

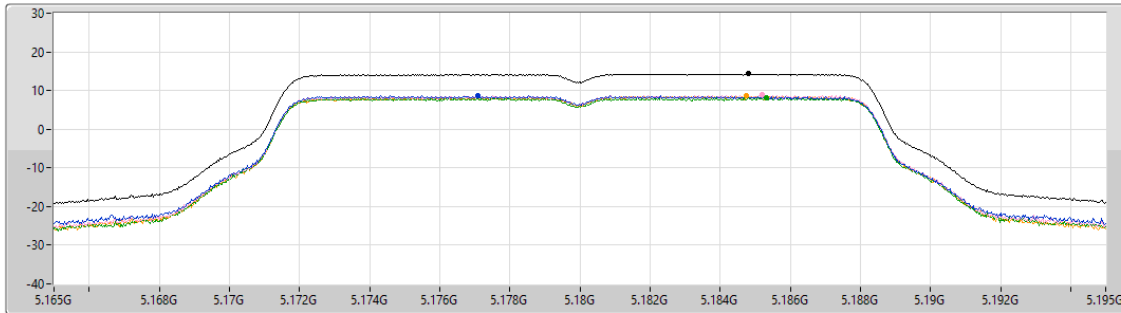
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
21.796

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
14.30	14.30	8.72	8.83	8.08	8.58

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

PSD

5200MHz

20/08/2024

CF (Hz)
5.2G

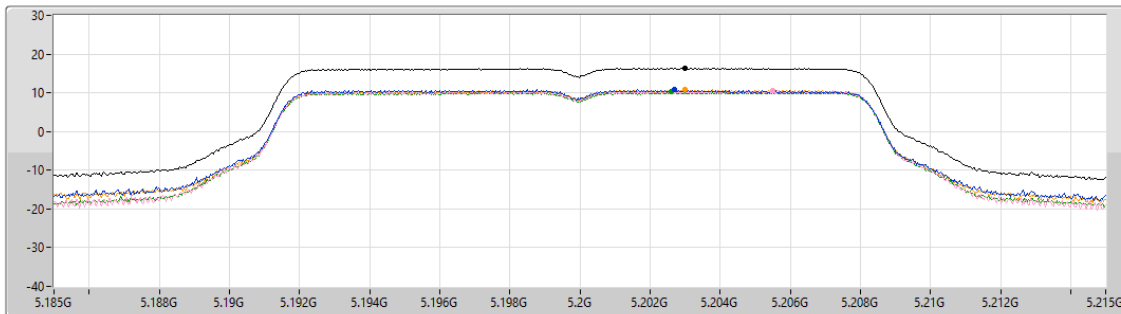
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
21.796

Detector Type
RMS



Sum ☒

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

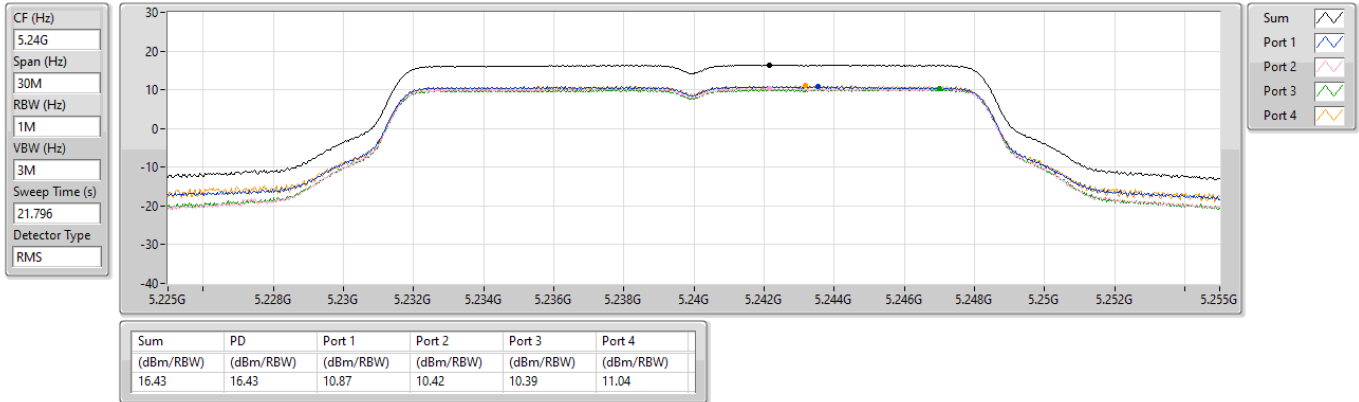
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
16.35	16.35	10.78	10.56	10.23	10.90

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

PSD

5240MHz

20/08/2024

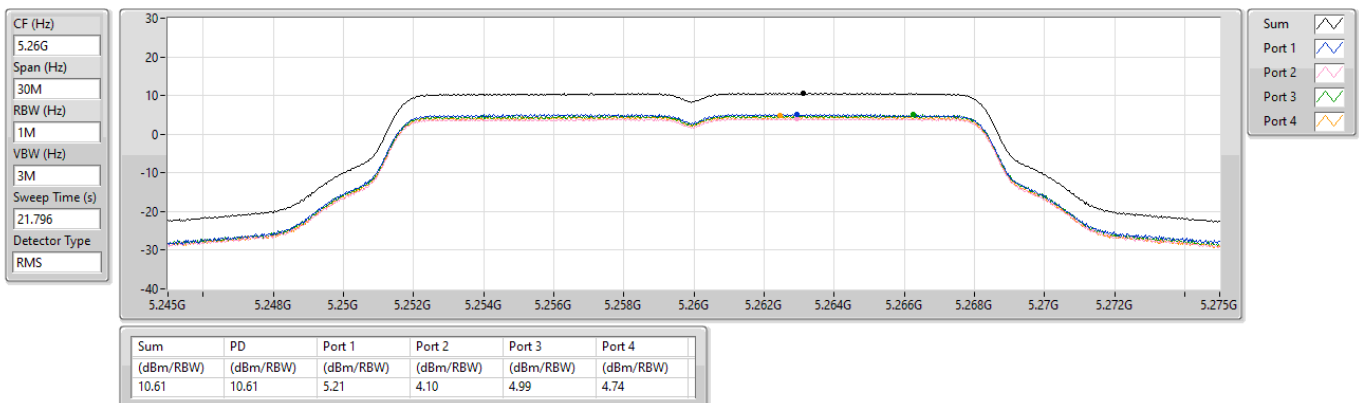


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

21/08/2024

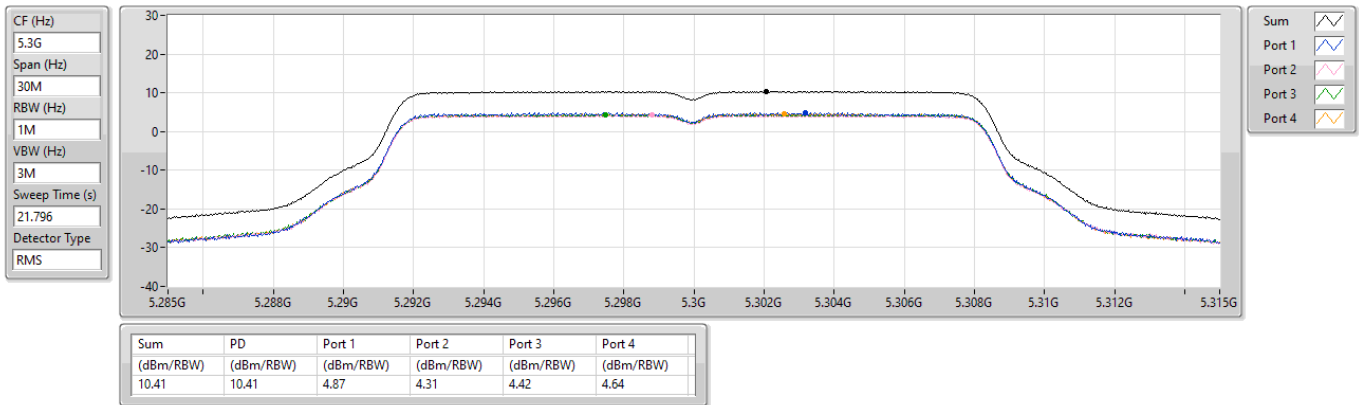


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

21/08/2024

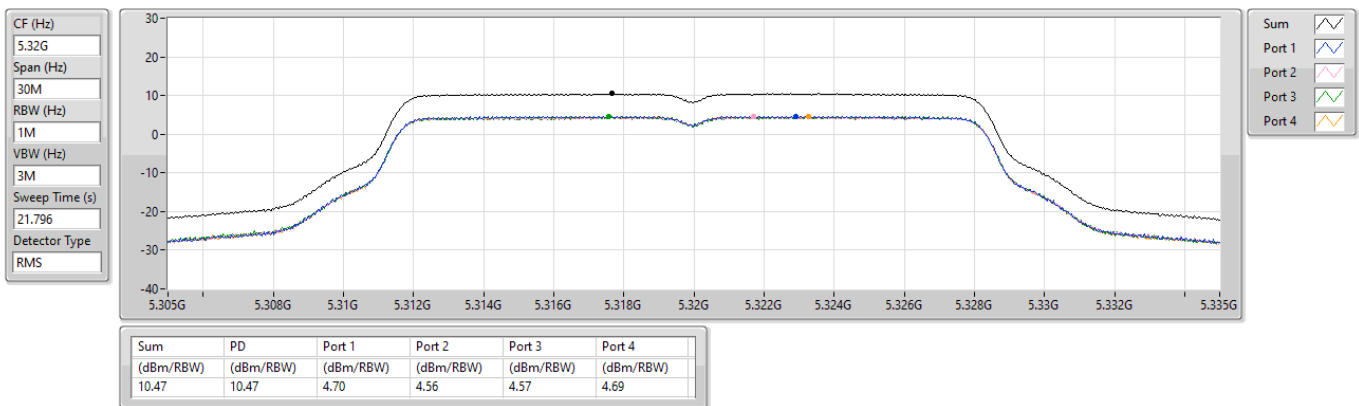


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

21/08/2024

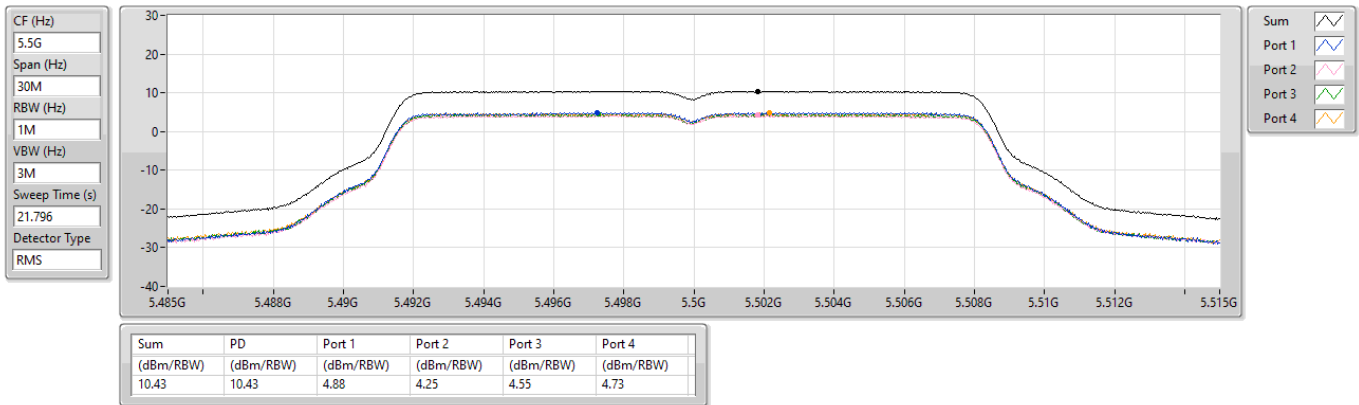


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

21/08/2024

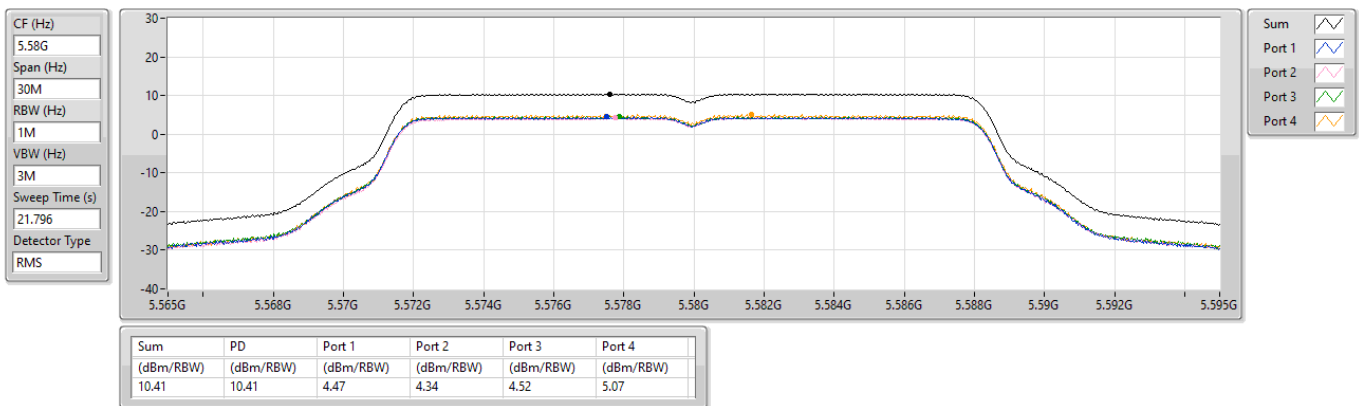


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

21/08/2024



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

PSD

5700MHz

21/08/2024

CF (Hz)
5.7G

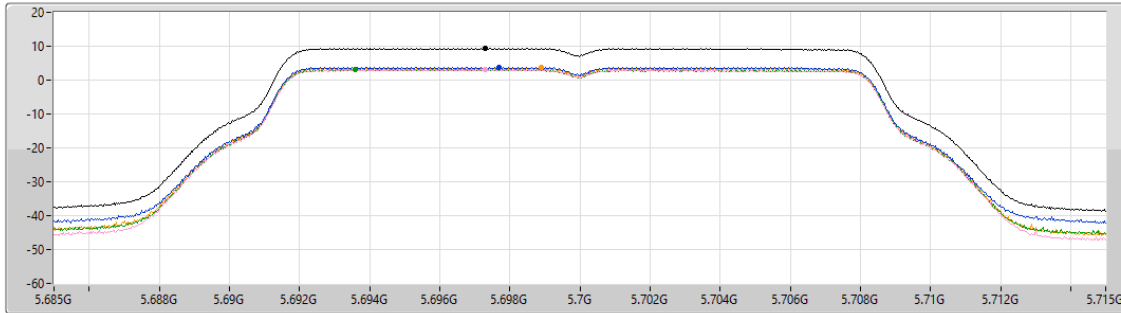
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
21.796

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.41	9.41	3.89	3.18	3.16	3.68

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

PSD

5720MHz Straddle 5.47-5.725GHz

24/09/2024

CF (Hz)
5.71G

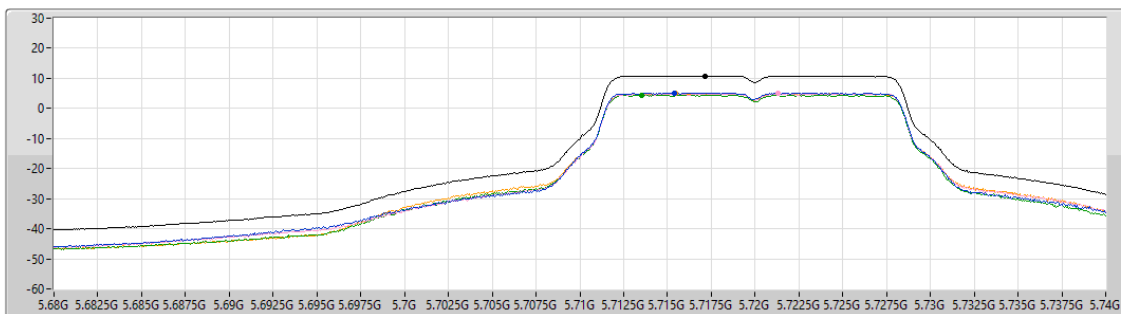
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

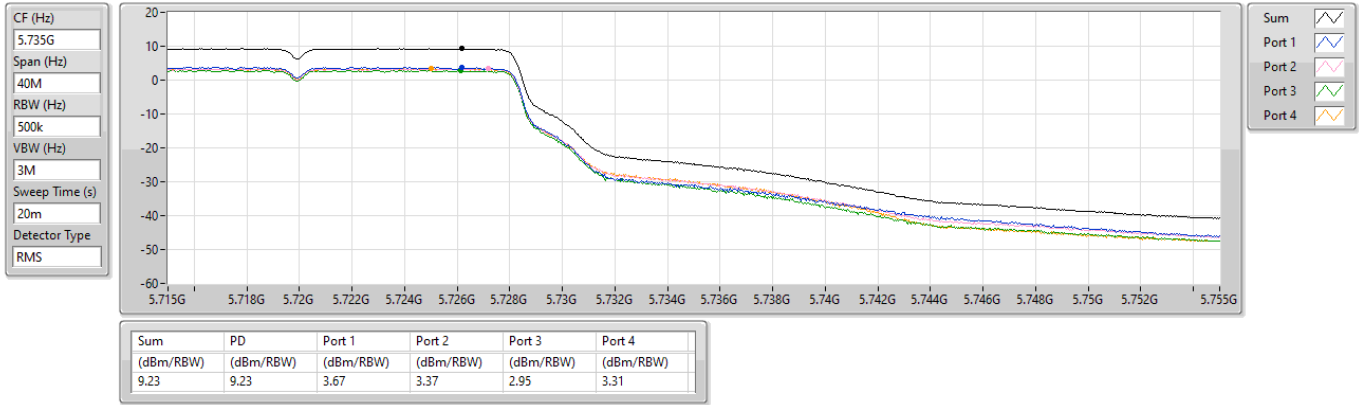
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.81	10.81	5.13	4.90	4.46	4.93

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

PSD

5720MHz Straddle 5.725-5.85GHz

24/09/2024

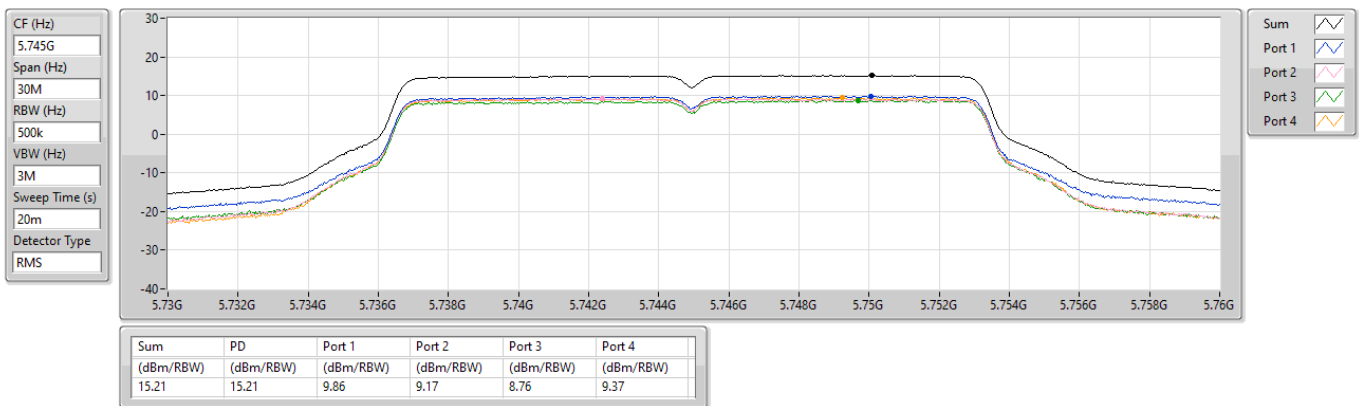


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

24/09/2024

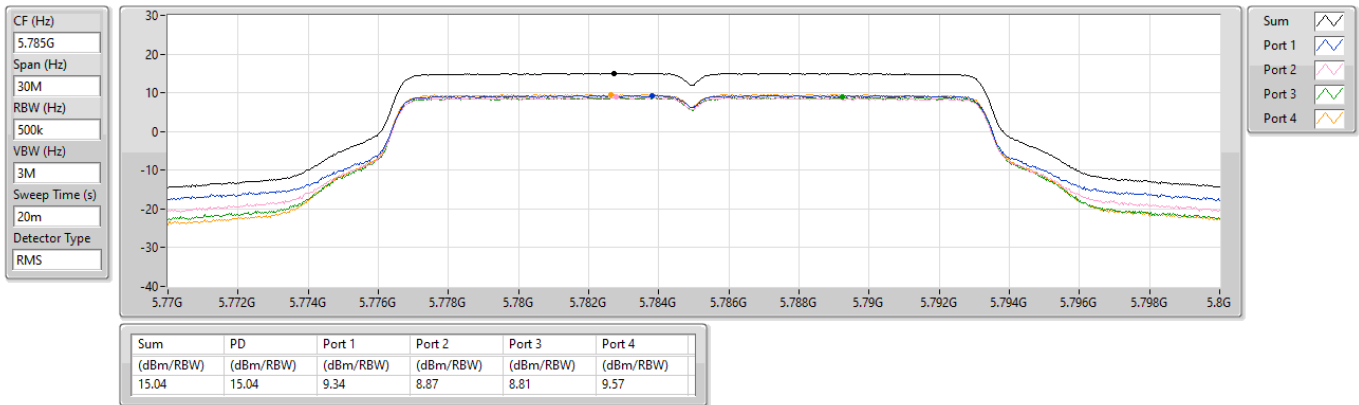


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

24/09/2024

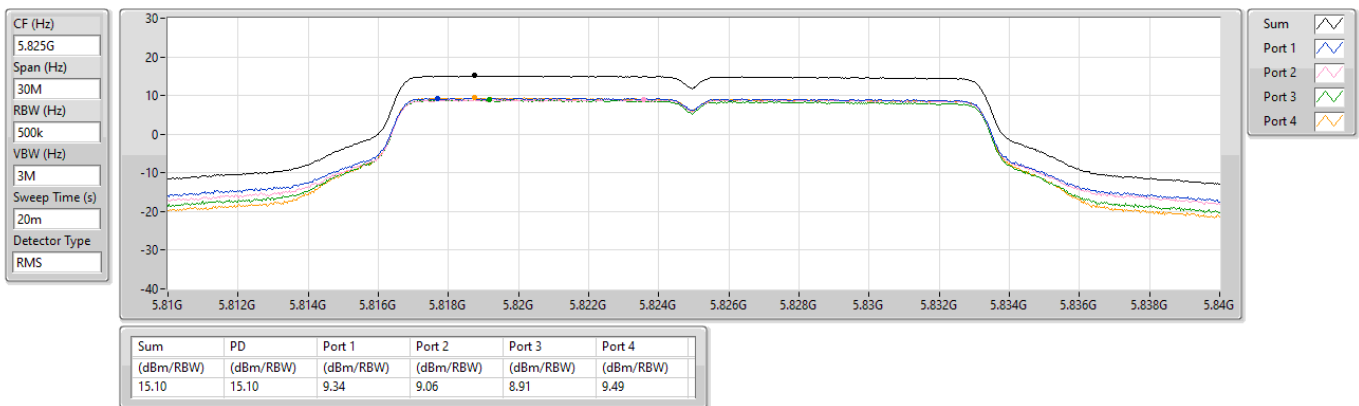


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

24/09/2024



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

PSD

5180MHz

21/08/2024

CF (Hz)
5.18G

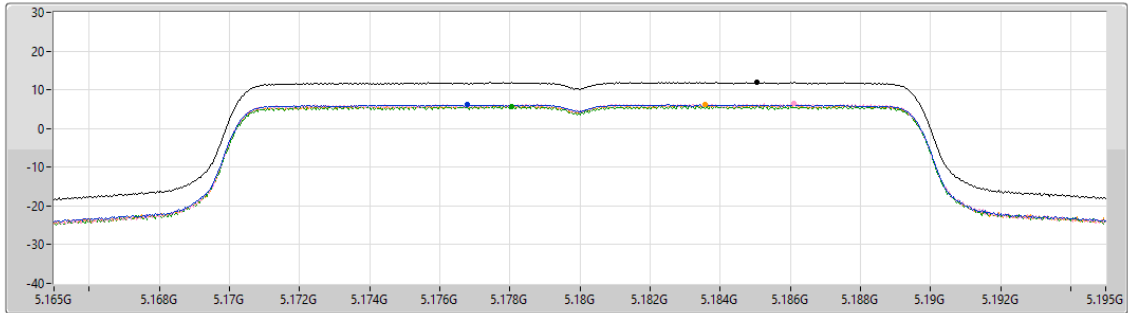
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
15.325

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.96	11.96	6.19	6.43	5.80	6.15

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

PSD

5200MHz

21/08/2024

CF (Hz)
5.2G

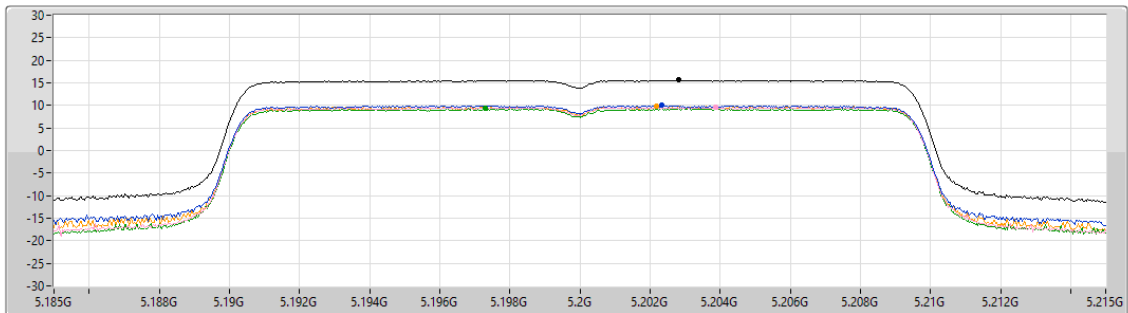
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
15.325

Detector Type
RMS



Sum 

Port 2 

Port 3 

Port 4 

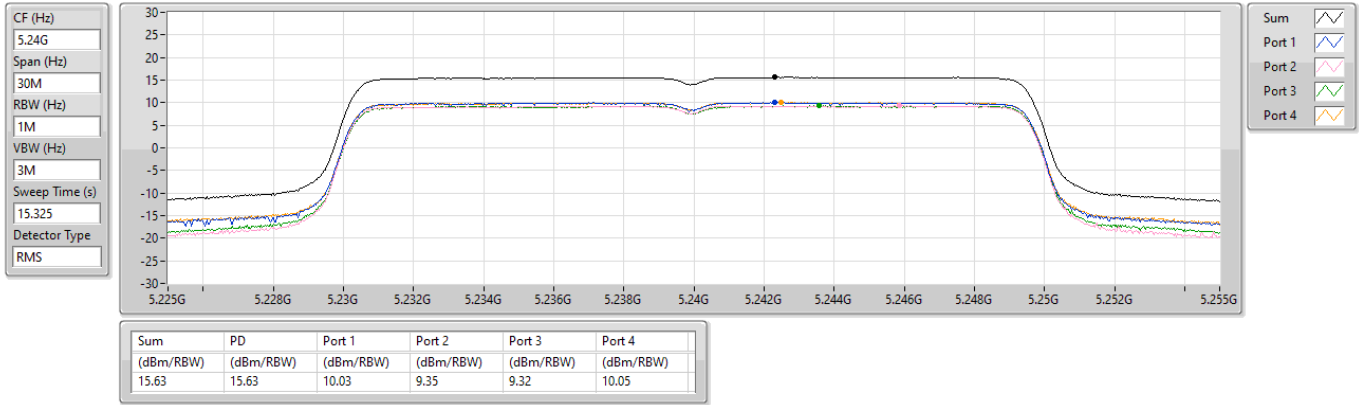
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.62	15.62	9.98	9.68	9.45	9.81

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

PSD

5240MHz

21/08/2024

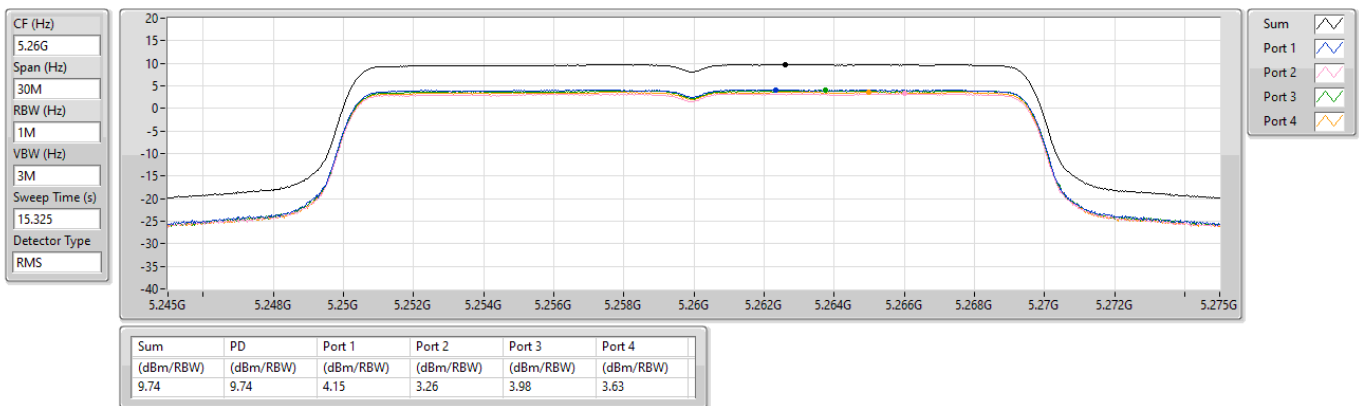


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5260MHz

21/08/2024

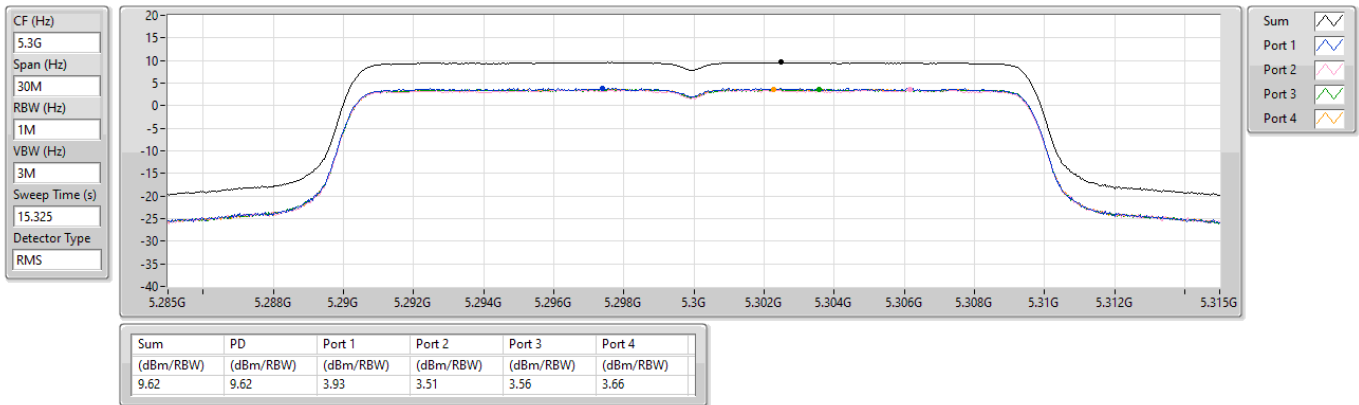


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5300MHz

21/08/2024

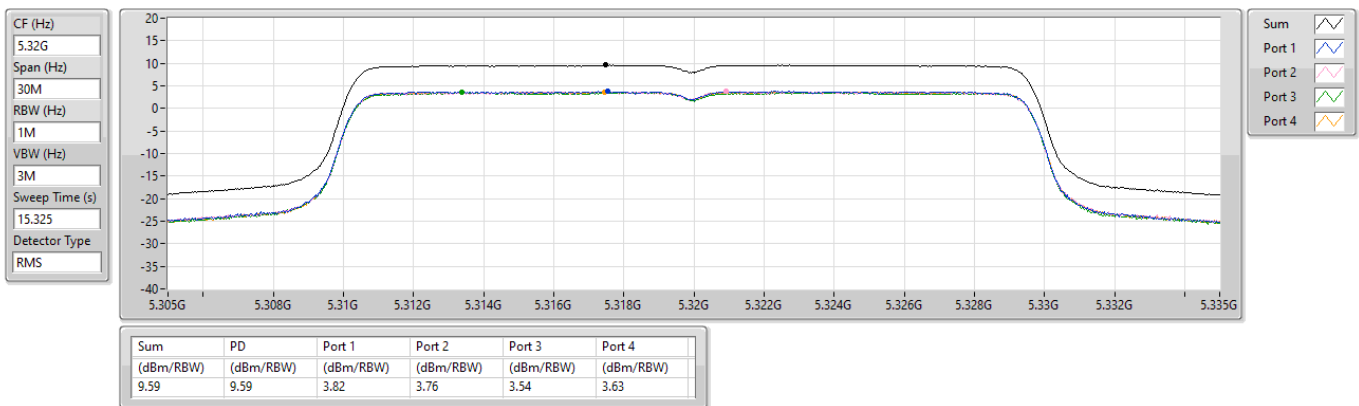


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5320MHz

21/08/2024

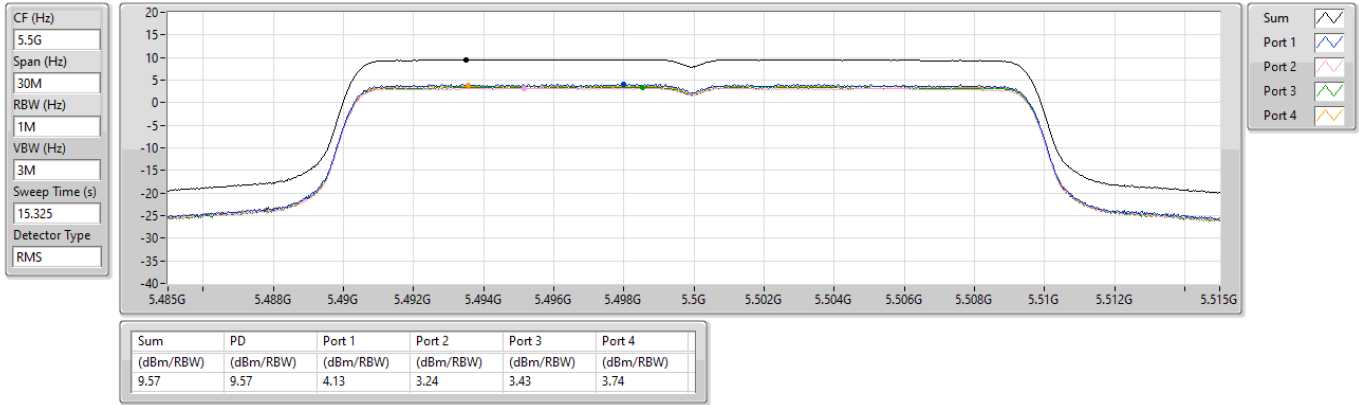


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5500MHz

21/08/2024

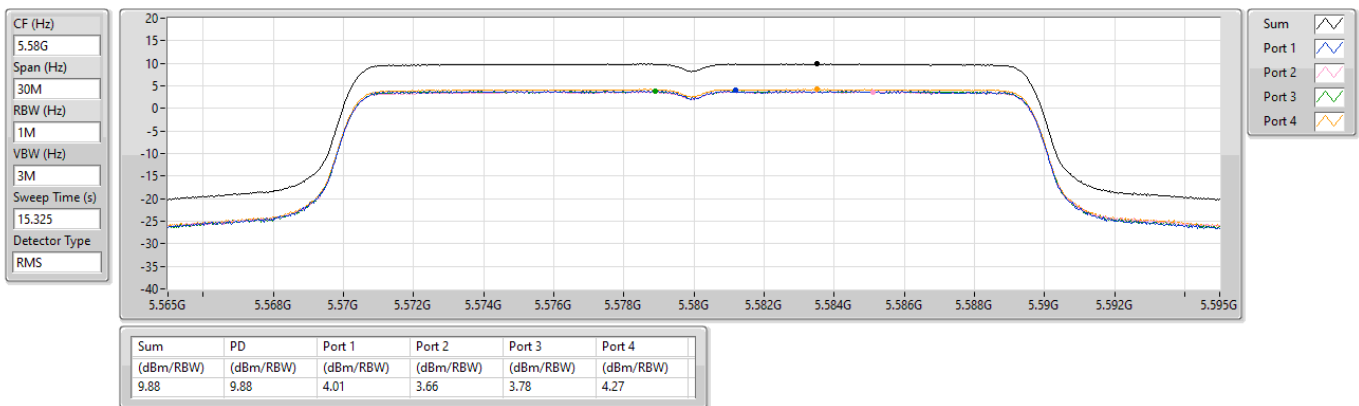


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5580MHz

21/08/2024



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

PSD

5700MHz

21/08/2024

CF (Hz)
5.7G

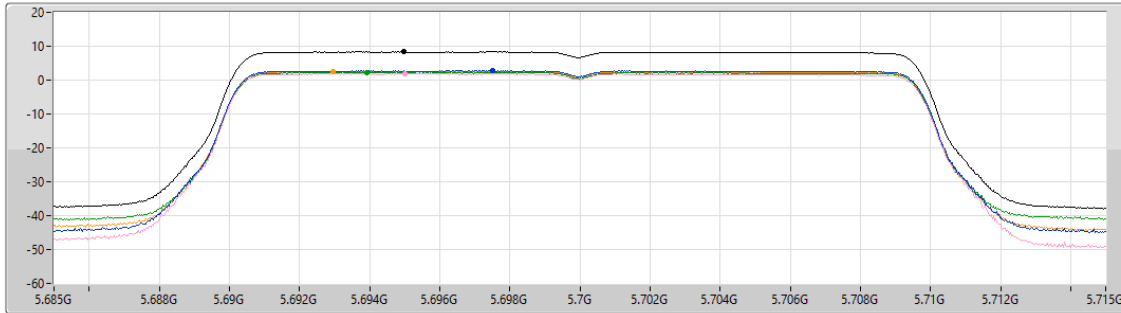
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
15.325

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.33	8.33	2.73	1.87	2.27	2.55

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

PSD

5720MHz Straddle 5.47-5.725GHz

09/10/2024

CF (Hz)
5.71G

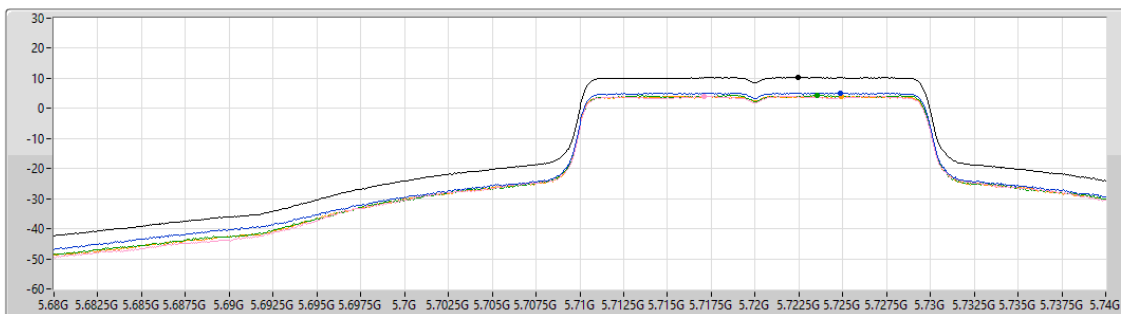
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

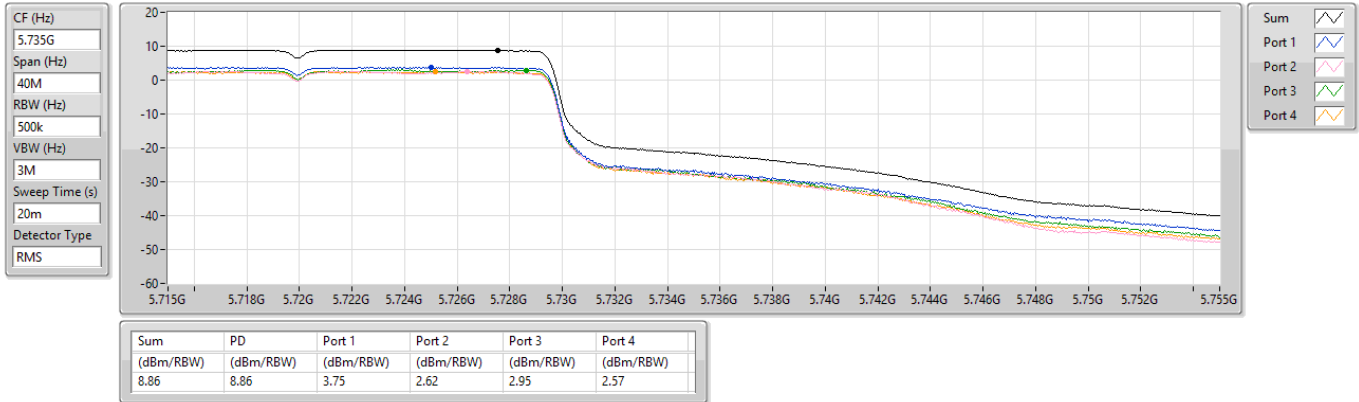
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.28	10.28	5.09	4.01	4.38	4.08

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

PSD

5720MHz Straddle 5.725-5.85GHz

09/10/2024

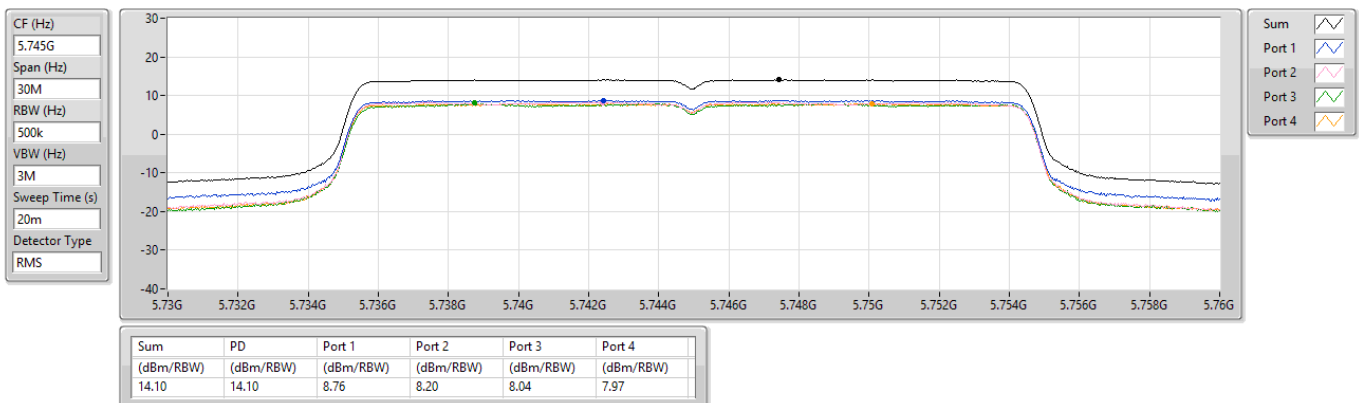


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5745MHz

09/10/2024

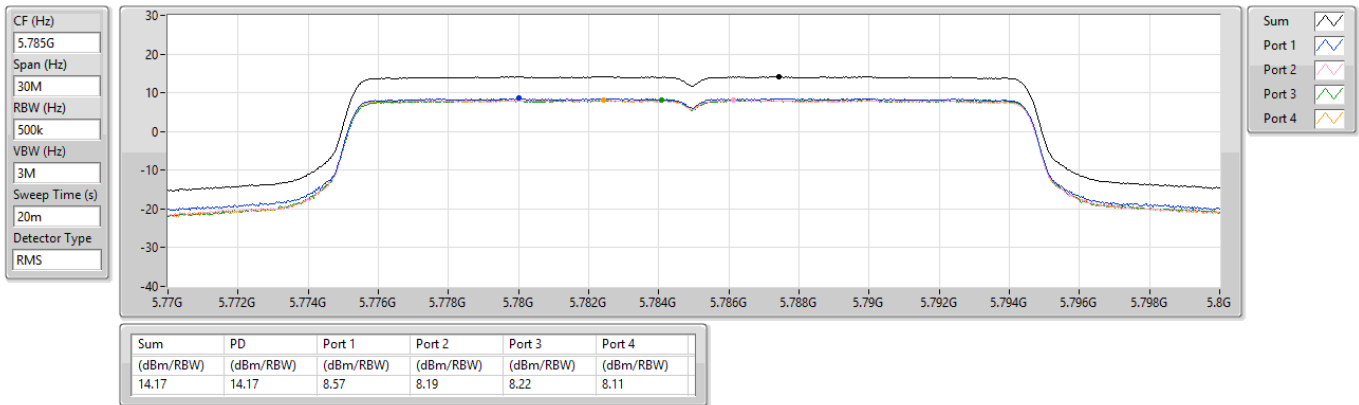


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5785MHz

09/10/2024

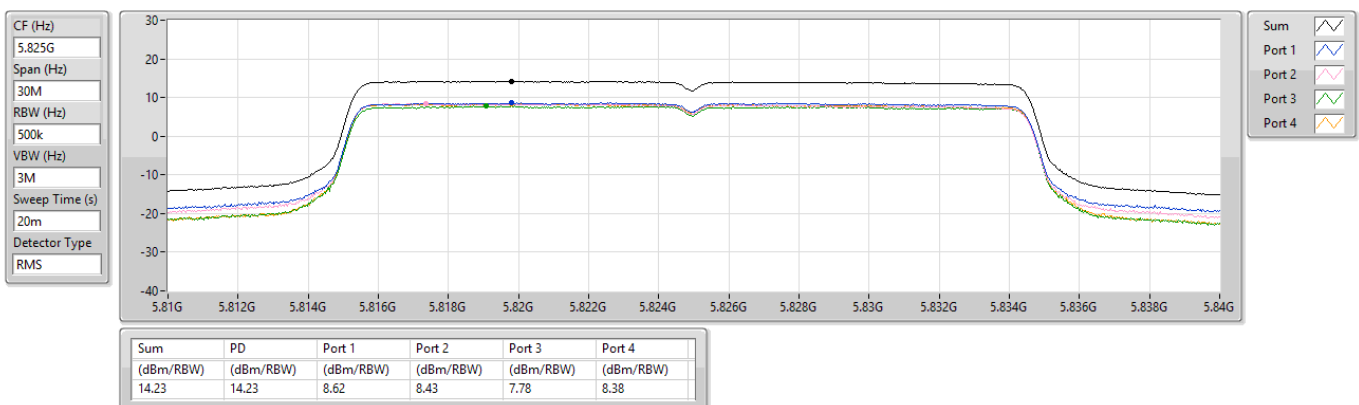


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5825MHz

09/10/2024



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

PSD

5190MHz

21/08/2024

CF (Hz)
5.19G

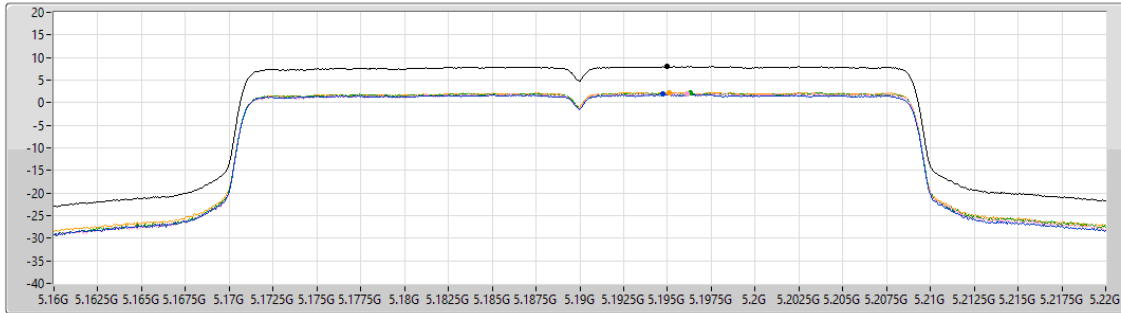
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.98	7.98	1.93	2.07	2.19	2.25

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

PSD

5230MHz

21/08/2024

CF (Hz)
5.23G

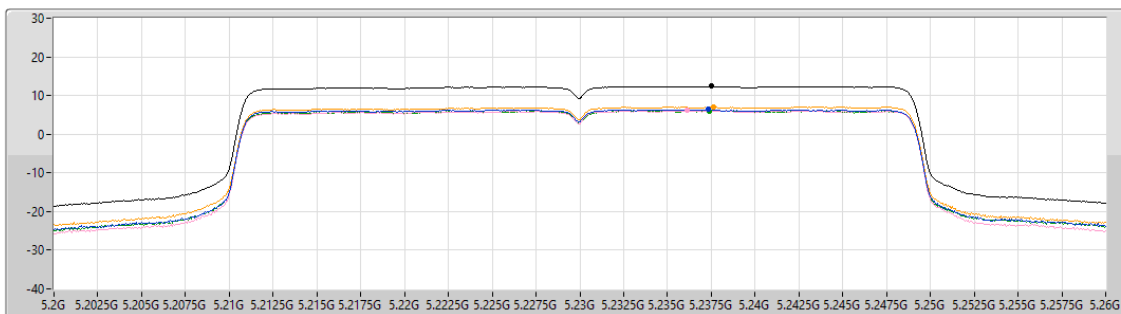
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
12.37	12.37	6.35	6.10	6.06	7.04

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

PSD

5270MHz

21/08/2024

CF (Hz)
5.27G

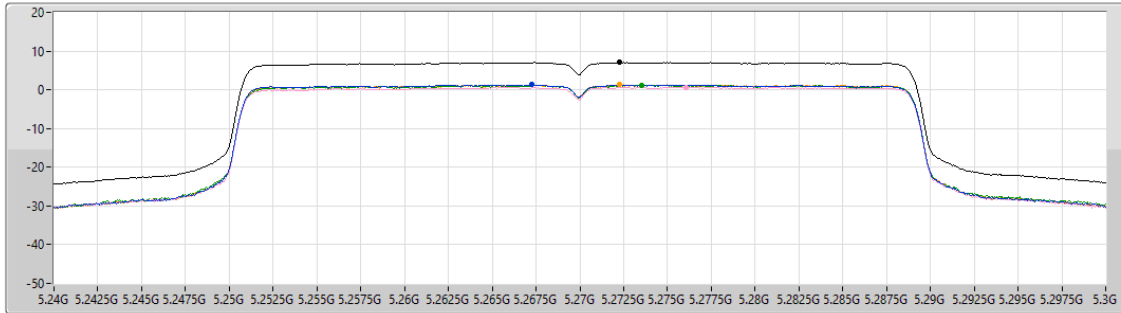
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.06	7.06	1.27	0.72	1.20	1.28

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

PSD

5310MHz

21/08/2024

CF (Hz)
5.31G

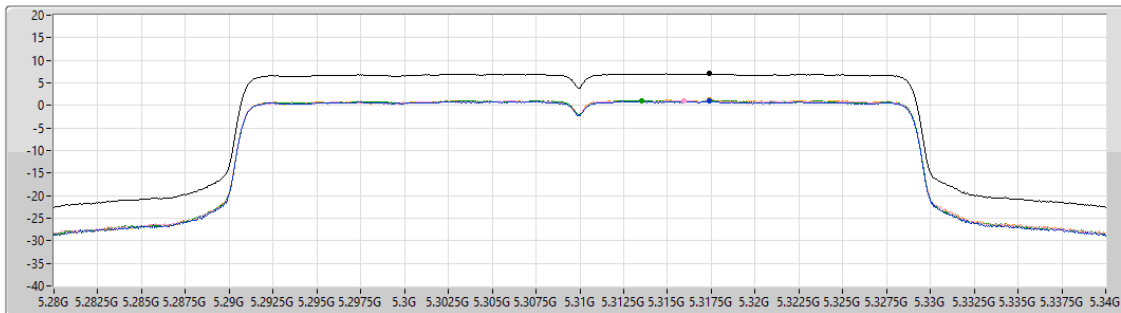
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.04	7.04	0.93	1.11	1.10	1.18

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

PSD

5510MHz

21/08/2024

CF (Hz)
5.51G

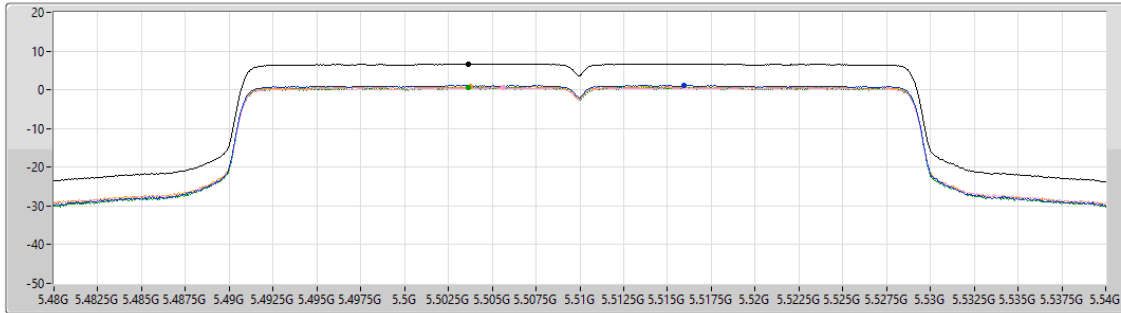
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.71	6.71	1.10	0.53	0.64	0.81

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

PSD

5550MHz

21/08/2024

CF (Hz)
5.55G

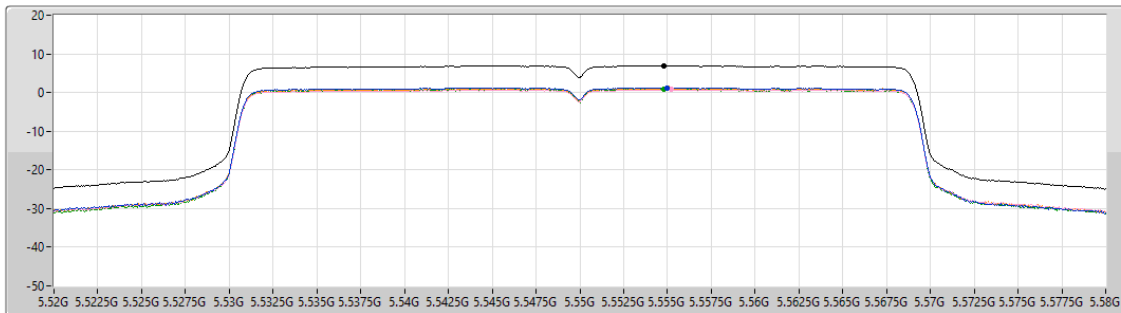
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.97	6.97	1.22	0.77	0.93	1.06

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

PSD

5670MHz

21/08/2024

CF (Hz)
5.67G

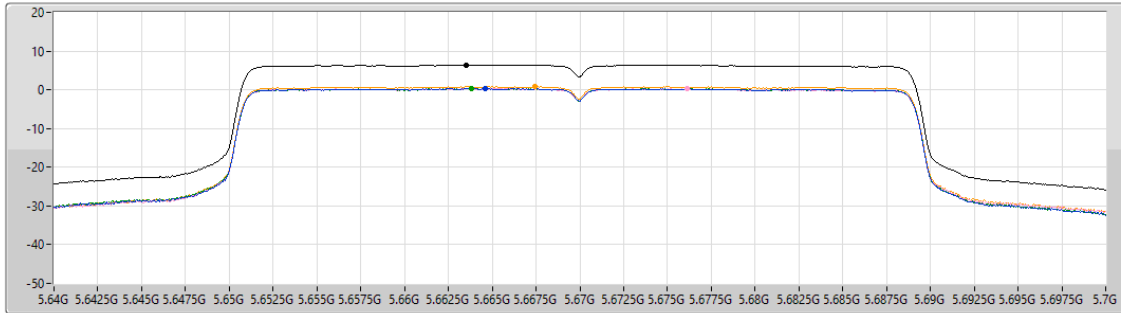
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
8.158

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.41	6.41	0.28	0.36	0.29	0.86

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

PSD

5710MHz Straddle 5.47-5.725GHz

09/10/2024

CF (Hz)
5.69G

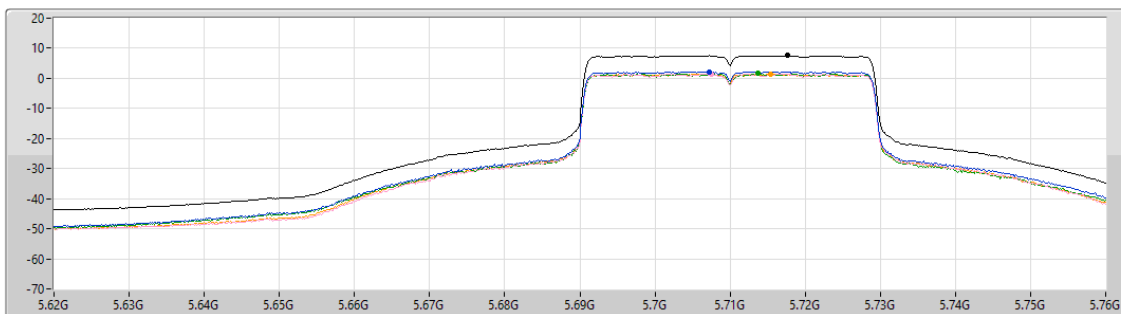
Span (Hz)
140M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

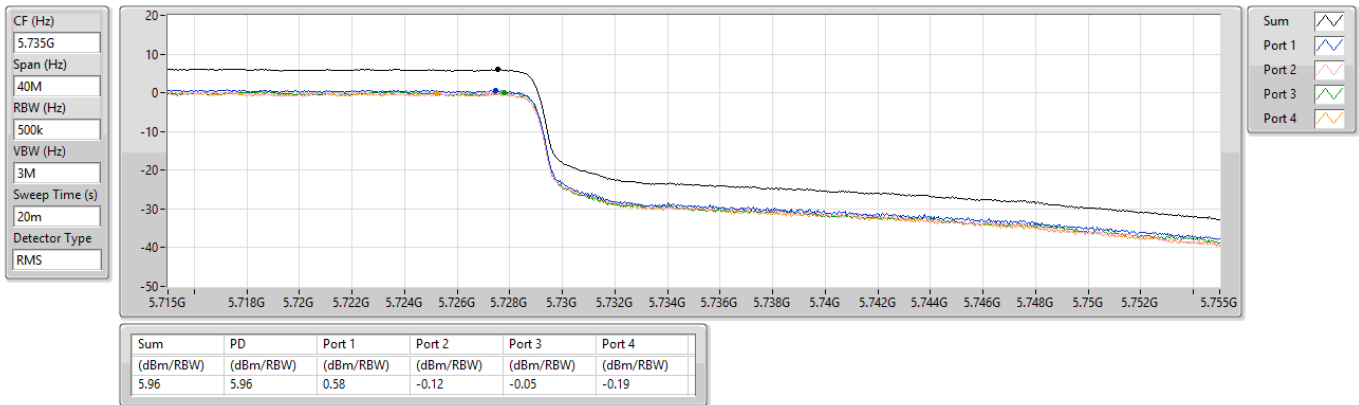
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53	2.21	1.49	1.55	1.46

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

PSD

5710MHz Straddle 5.725-5.85GHz

09/10/2024

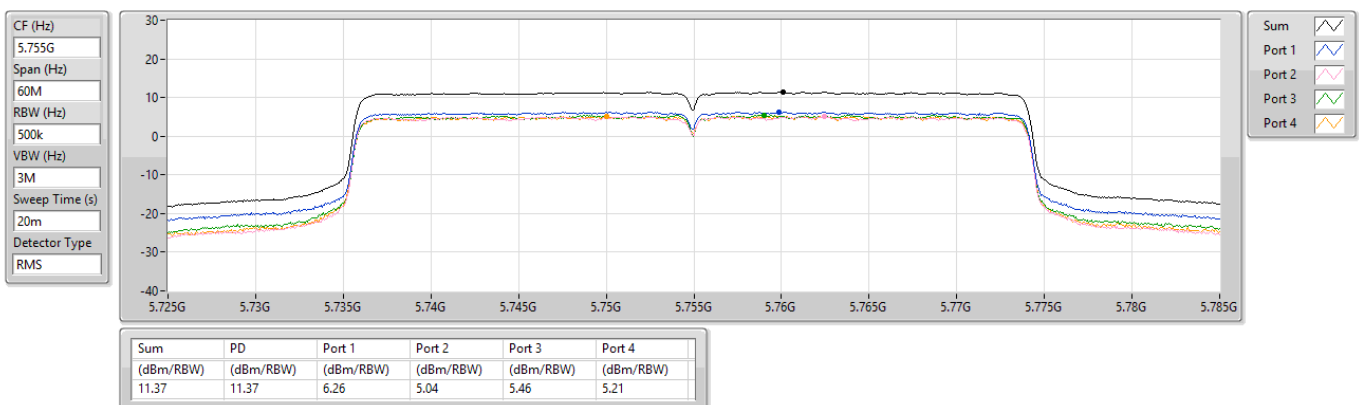


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5755MHz

09/10/2024

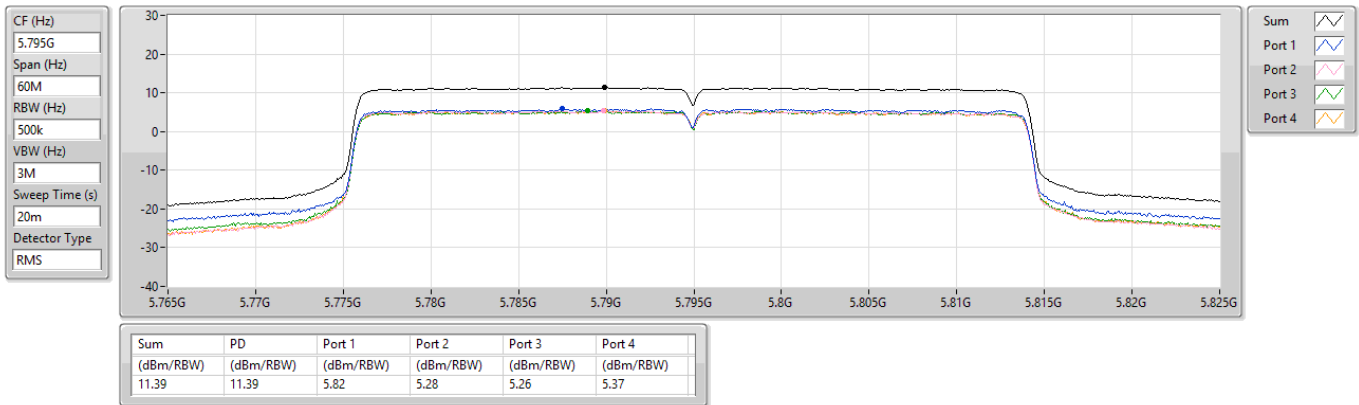


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5795MHz

09/10/2024

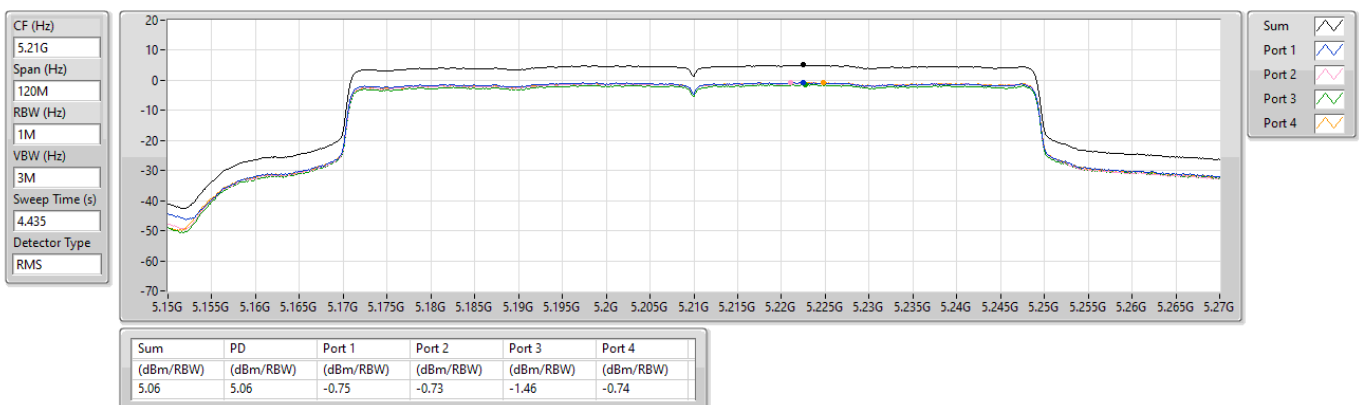


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

21/08/2024

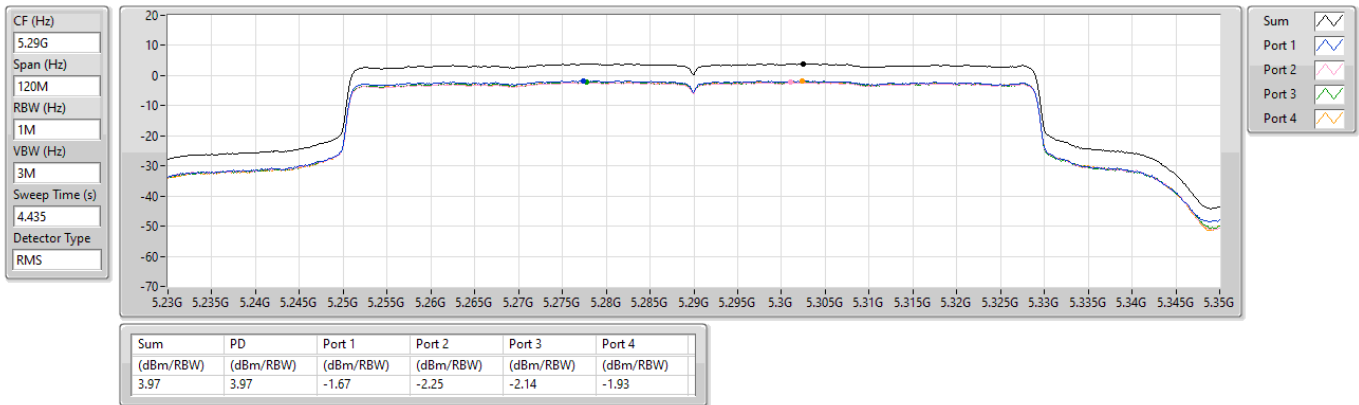


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5290MHz

21/08/2024

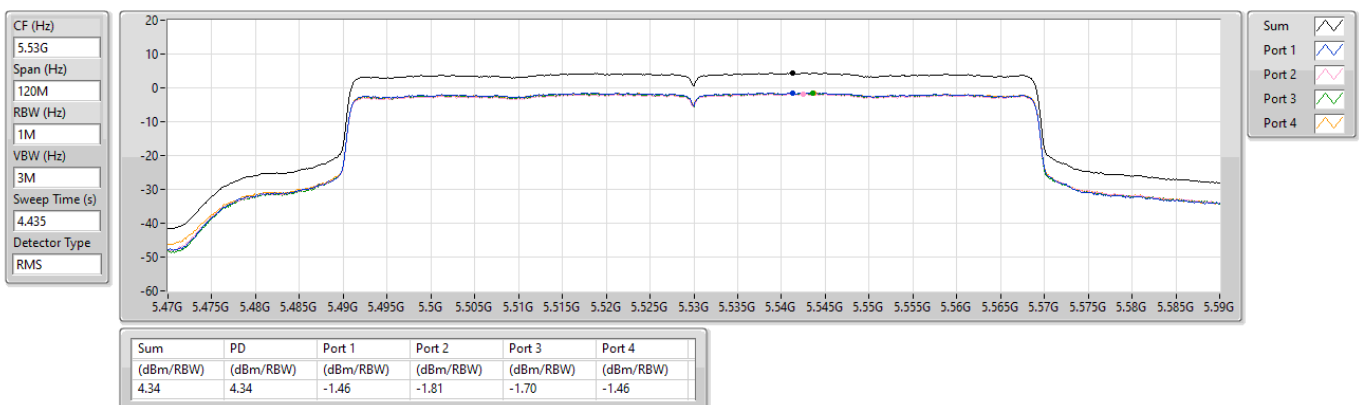


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5530MHz

21/08/2024

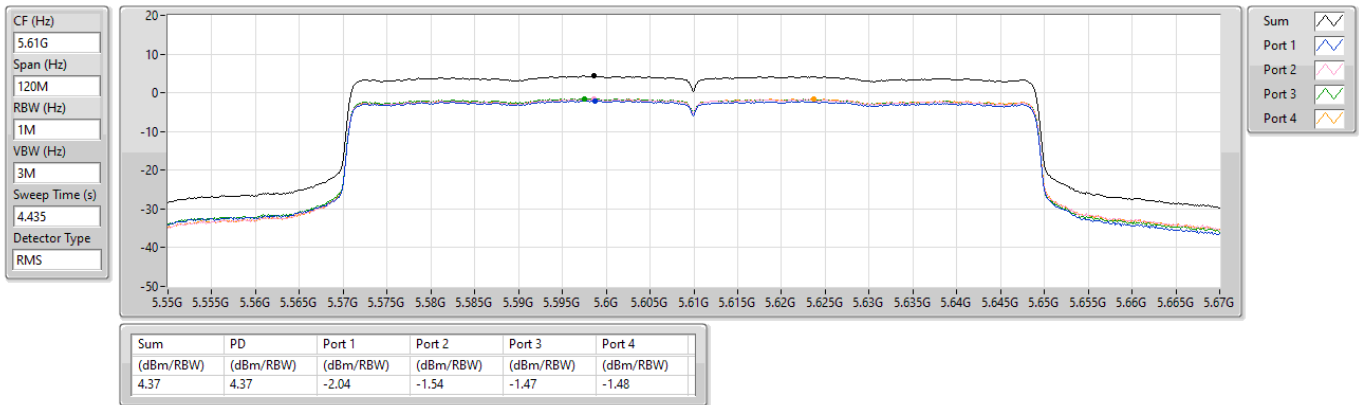


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5610MHz

21/08/2024

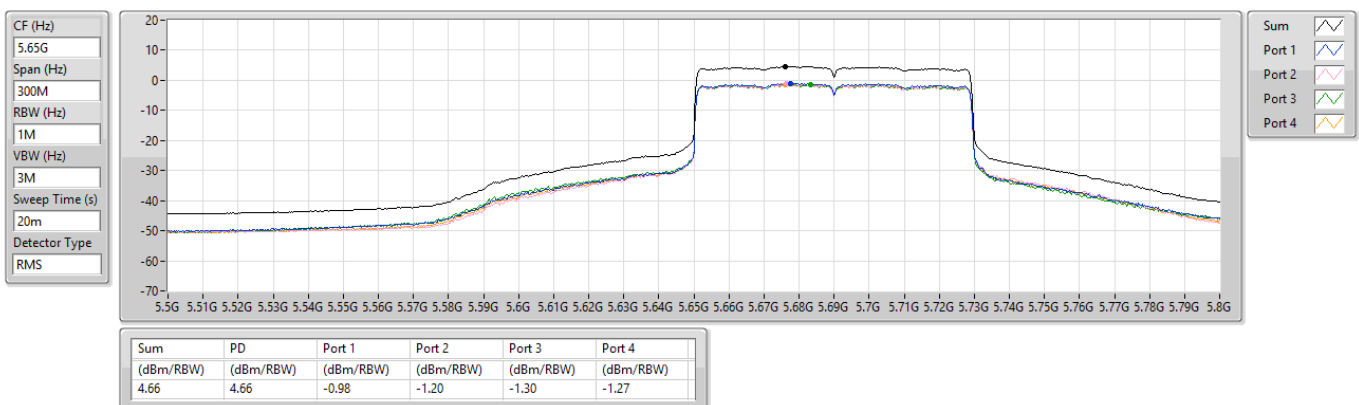


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

09/10/2024

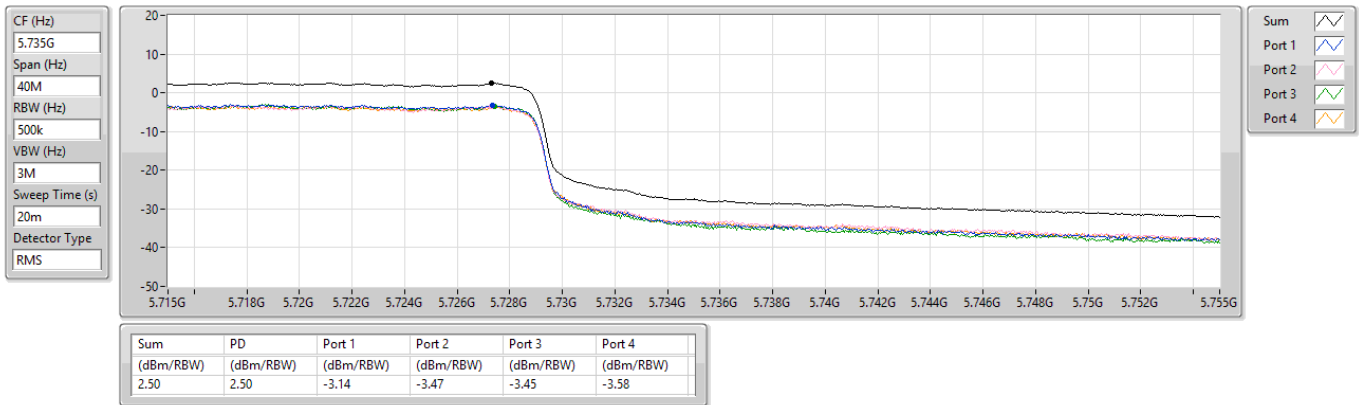


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

09/10/2024

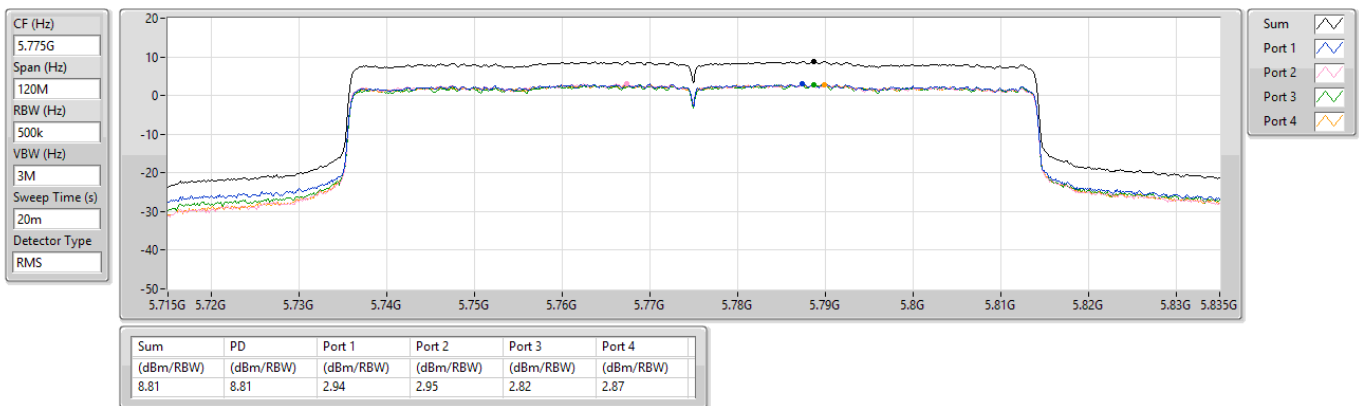


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5775MHz

09/10/2024

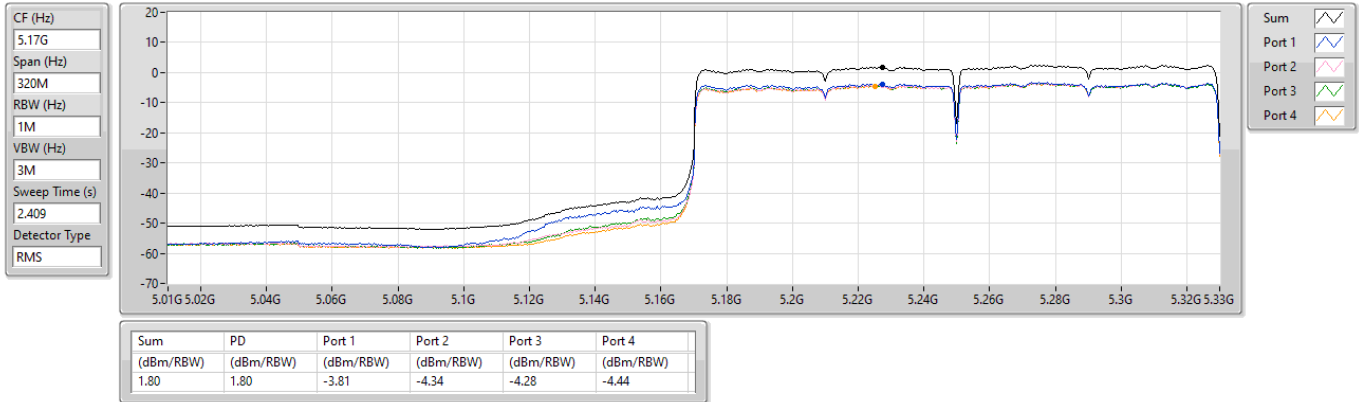


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

21/08/2024

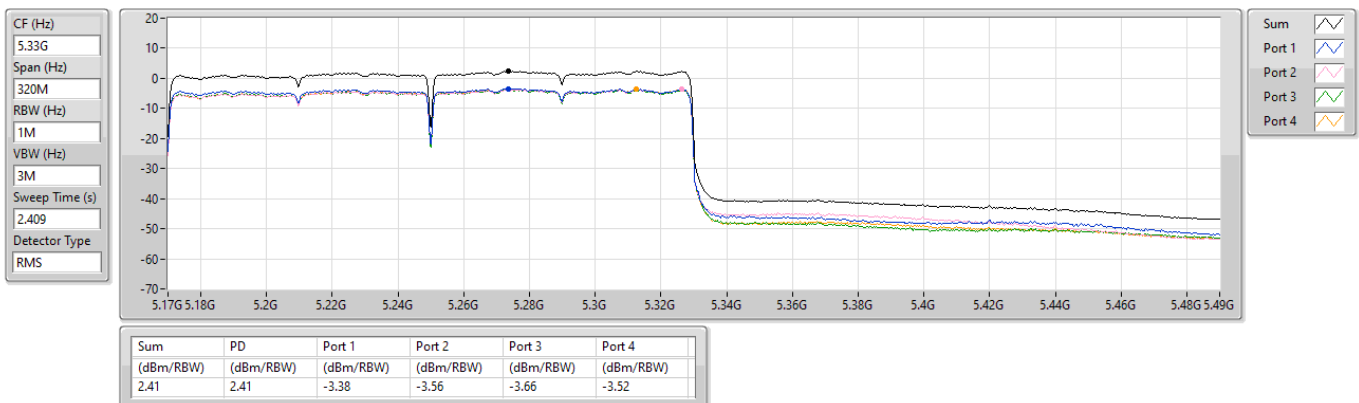


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

21/08/2024

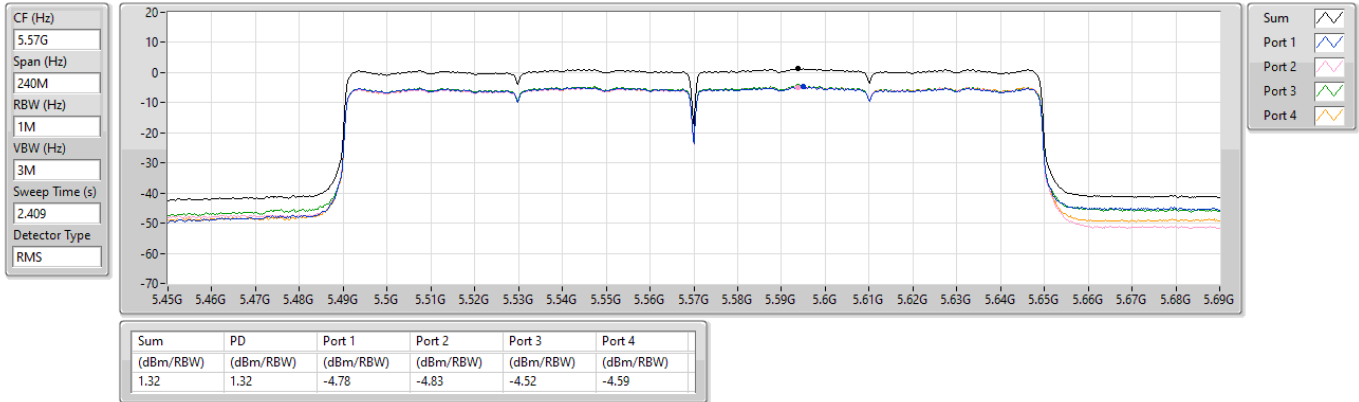


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_4TX

PSD

5570MHz

21/08/2024

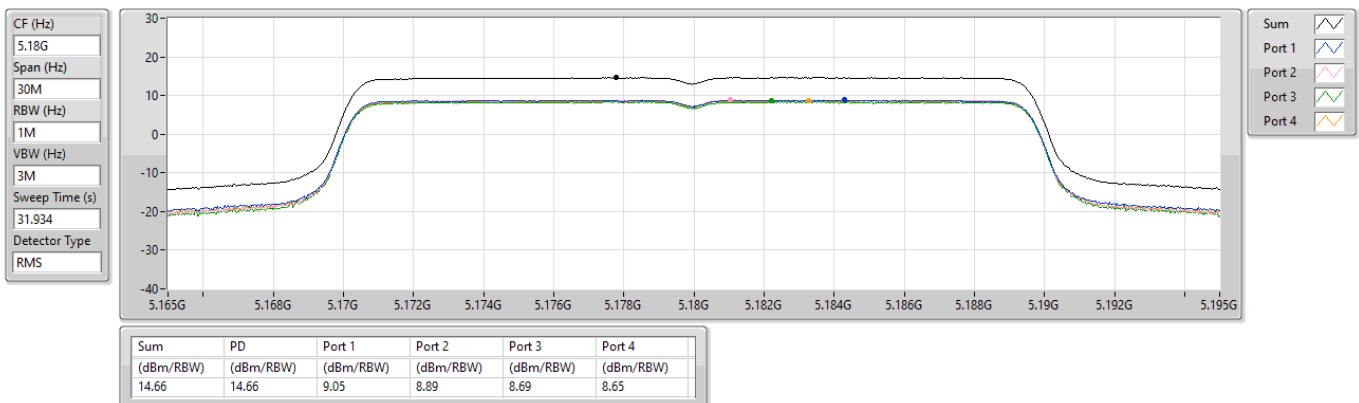


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

21/08/2024

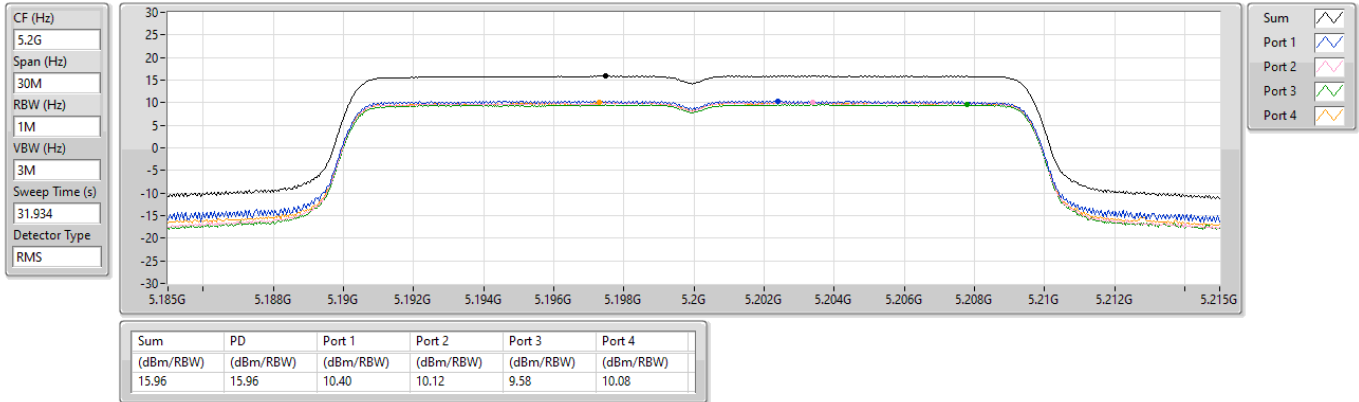


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

21/08/2024

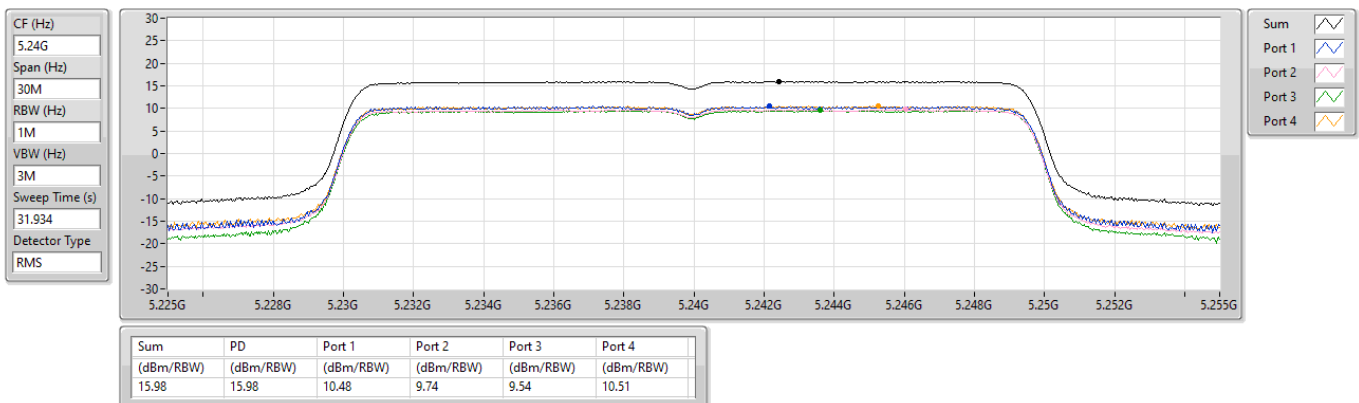


5.15-5.25GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

21/08/2024



5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

21/08/2024

CF (Hz)
5.26G

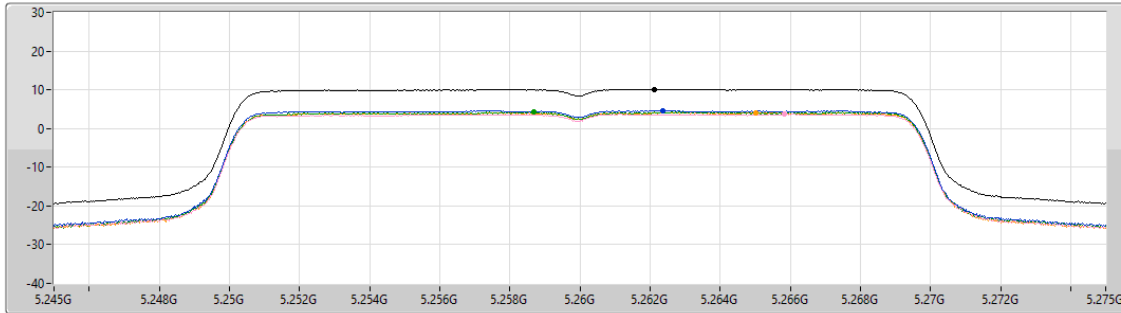
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
31.934

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.11	10.11	4.60	3.67	4.30	4.04

5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

21/08/2024

CF (Hz)
5.3G

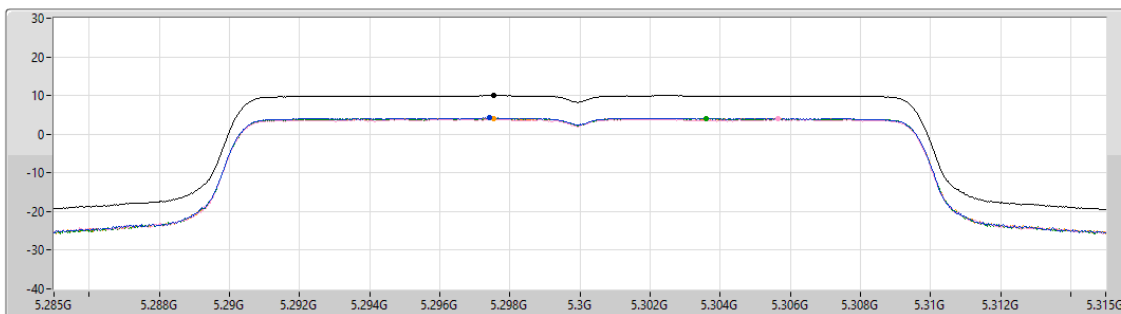
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
31.934

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Port 3 ☐

Port 4 ☐

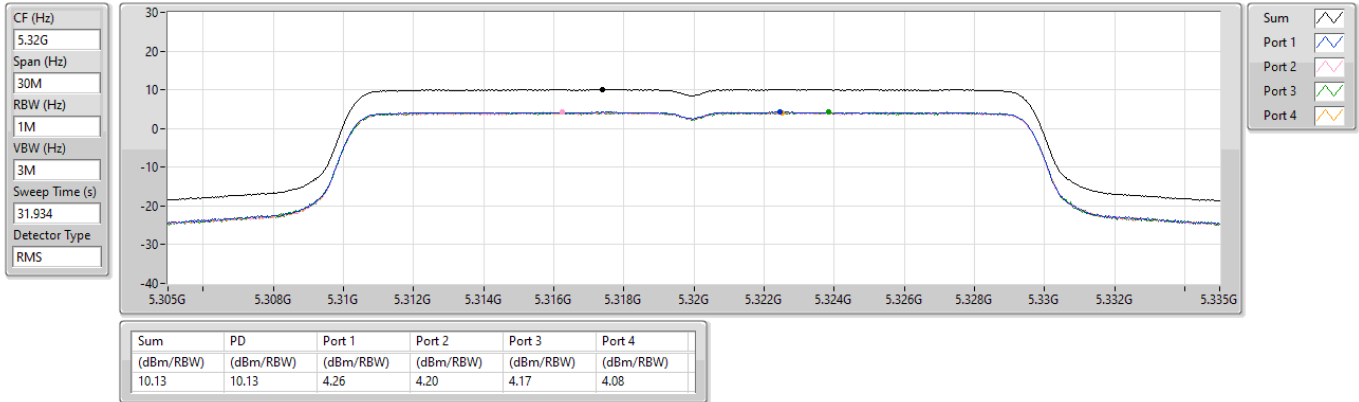
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.02	10.02	4.19	3.94	4.02	4.08

5.25-5.35GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

21/08/2024

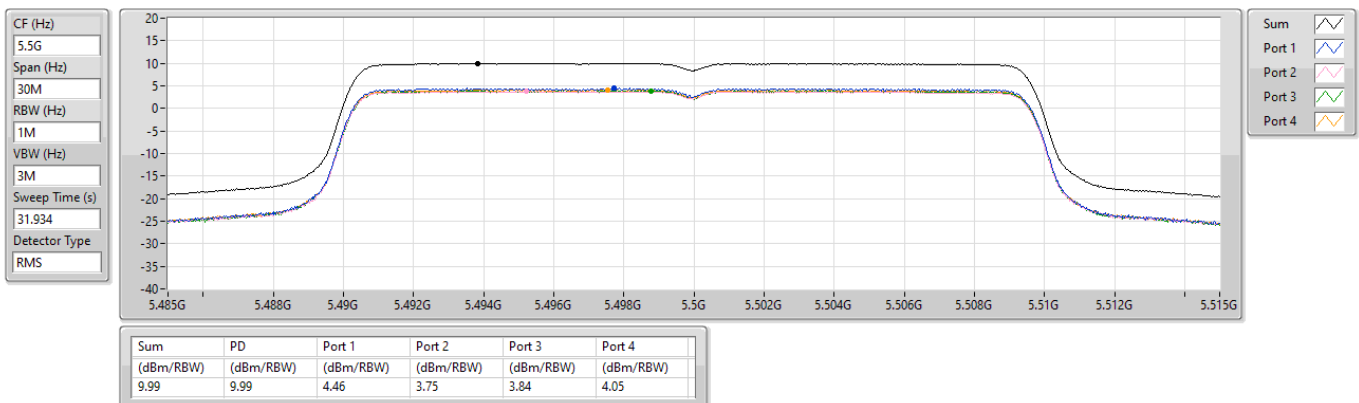


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

21/08/2024

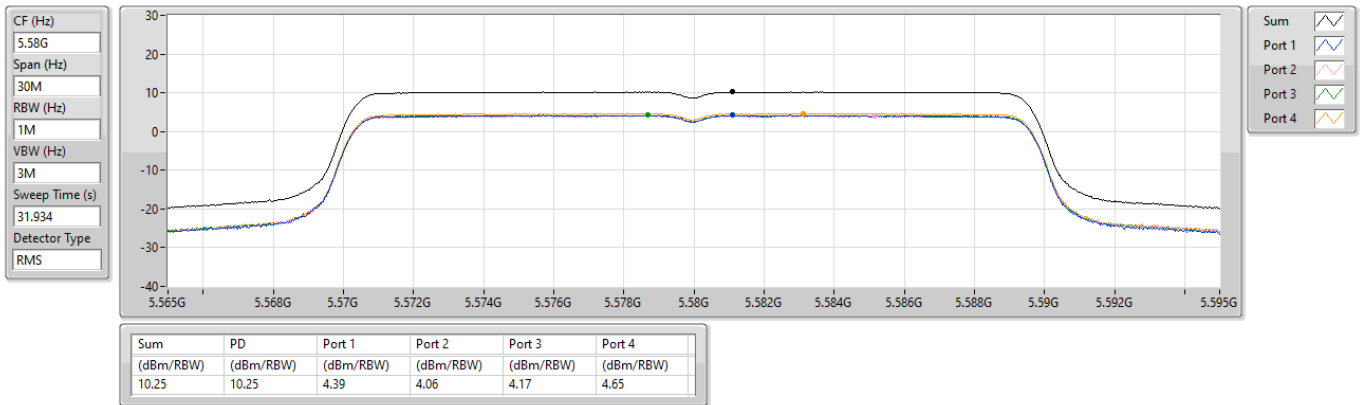


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

21/08/2024

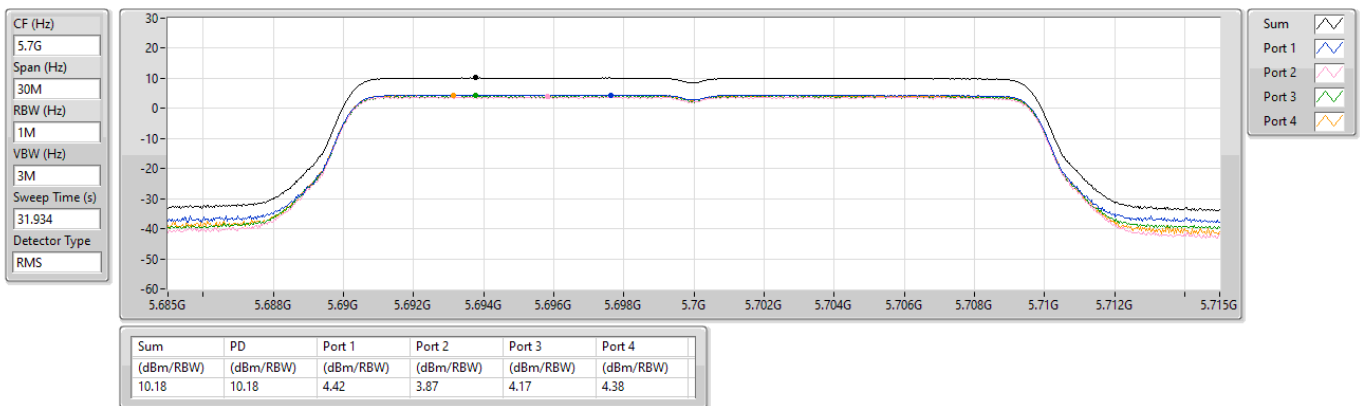


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

21/08/2024

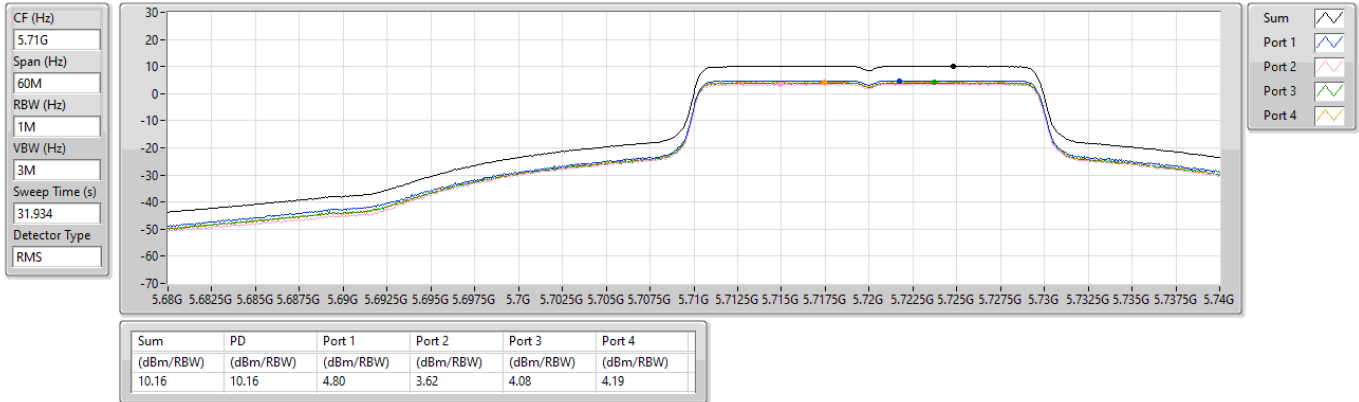


5.47-5.725GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

21/08/2024

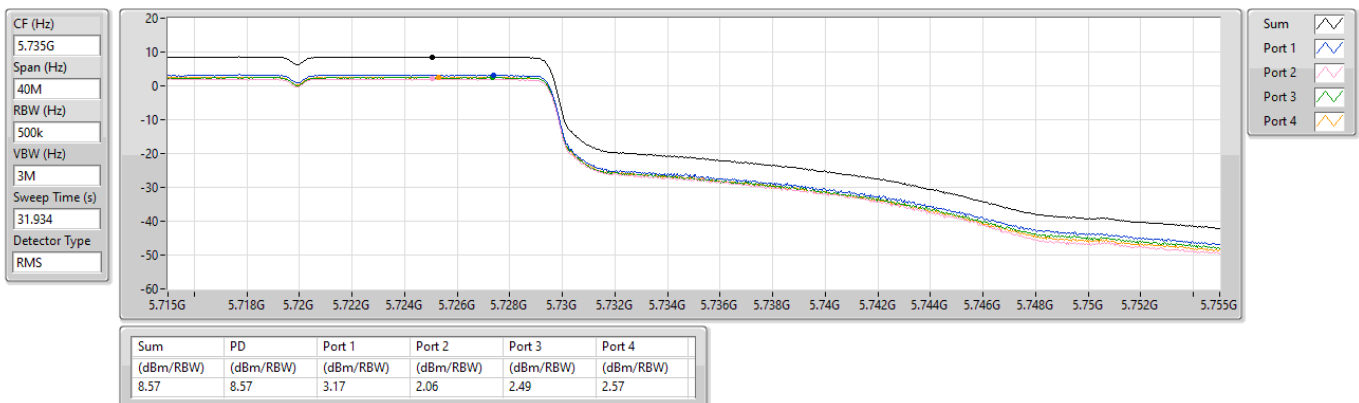


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

21/08/2024

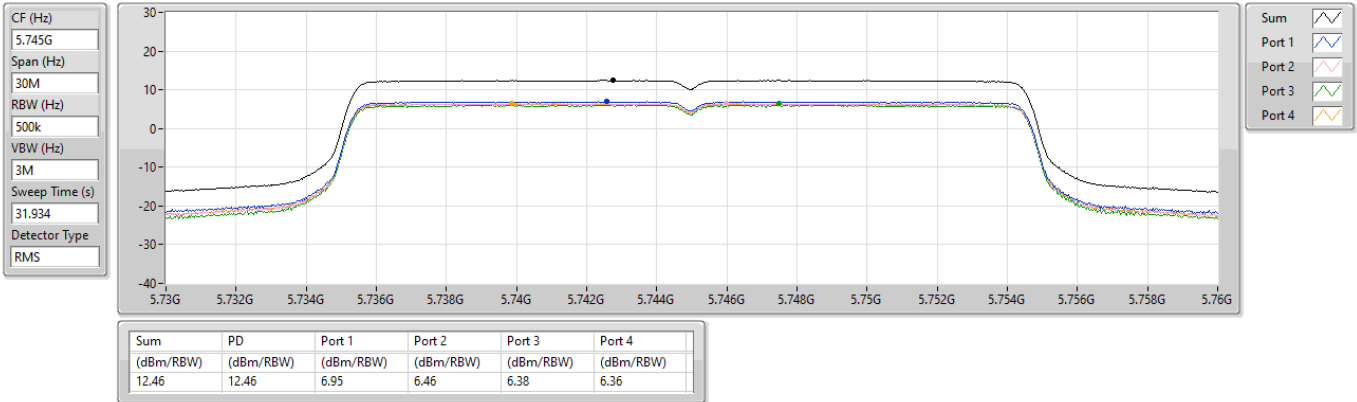


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

21/08/2024

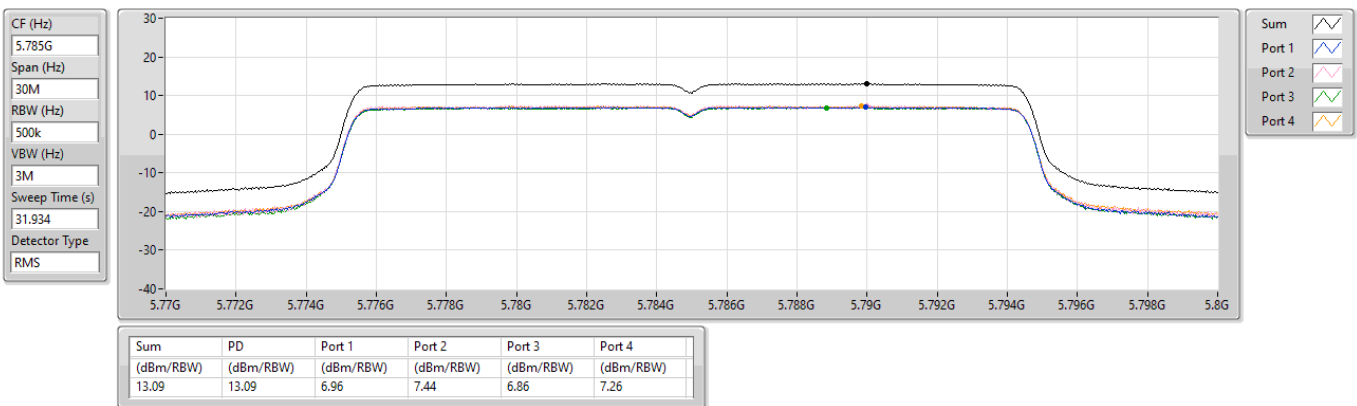


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

21/08/2024

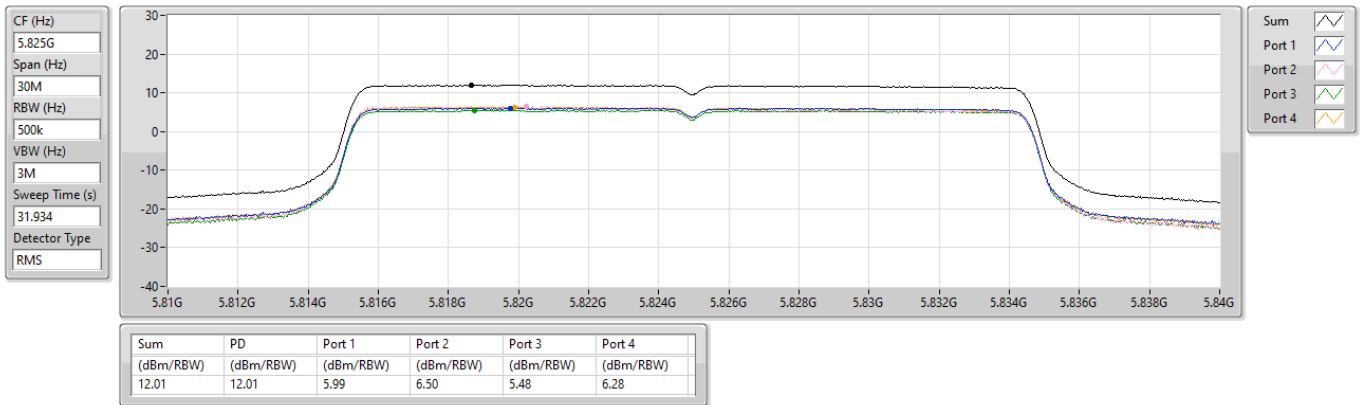


5.725-5.85GHz_802.11be EHT20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

21/08/2024

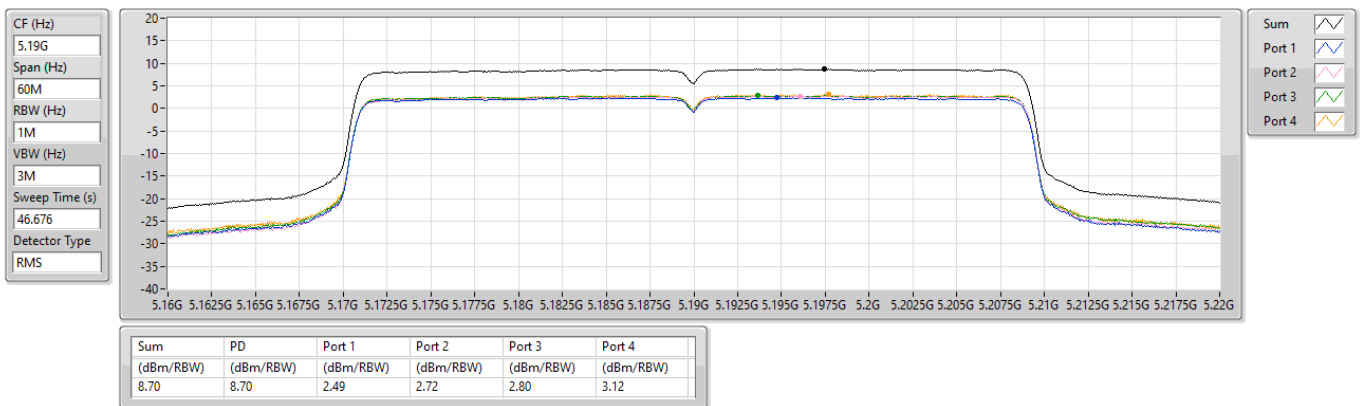


5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

21/08/2024



5.15-5.25GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

21/08/2024

CF (Hz)
5.23G

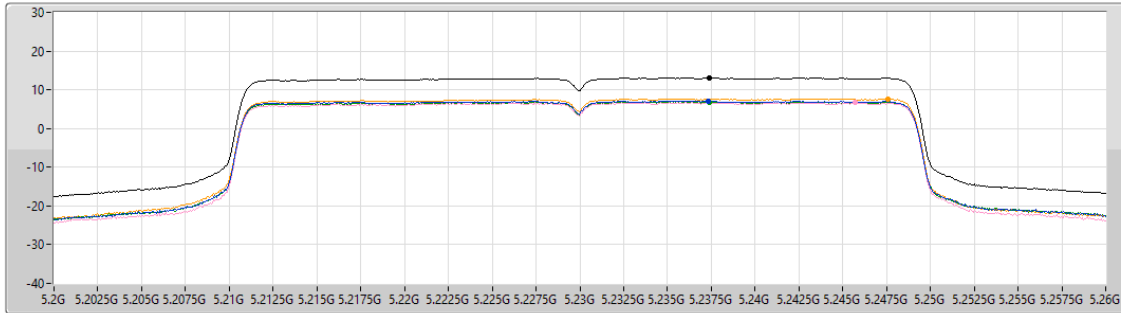
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
46.676

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)
13.05	13.05	7.12	6.72	6.86	7.68

5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

21/08/2024

CF (Hz)
5.27G

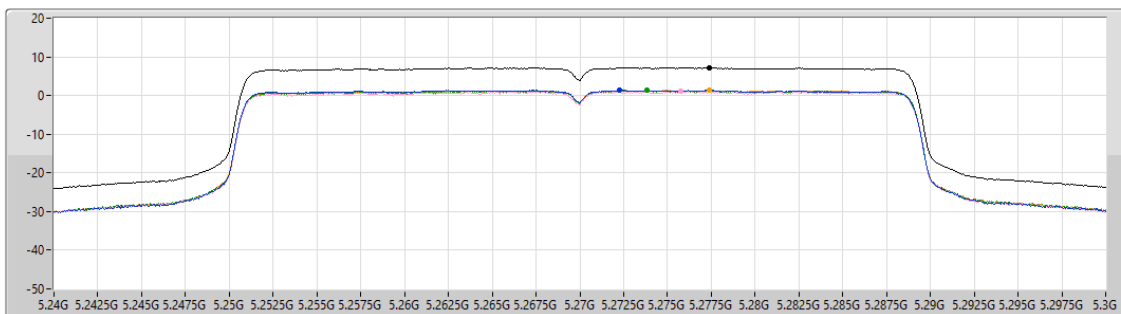
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
46.676

Detector Type
RMS



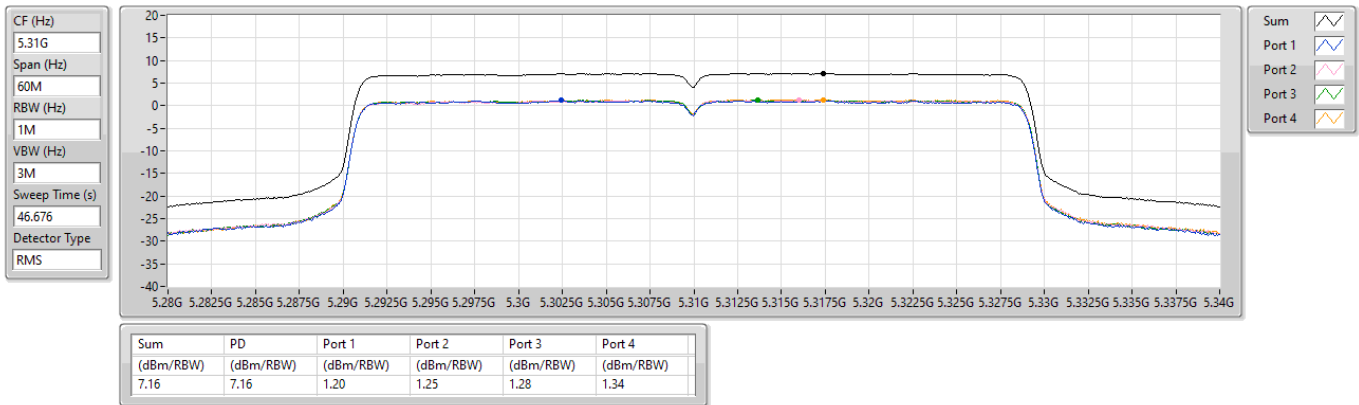
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.22	7.22	1.36	1.06	1.36	1.30

5.25-5.35GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

21/08/2024

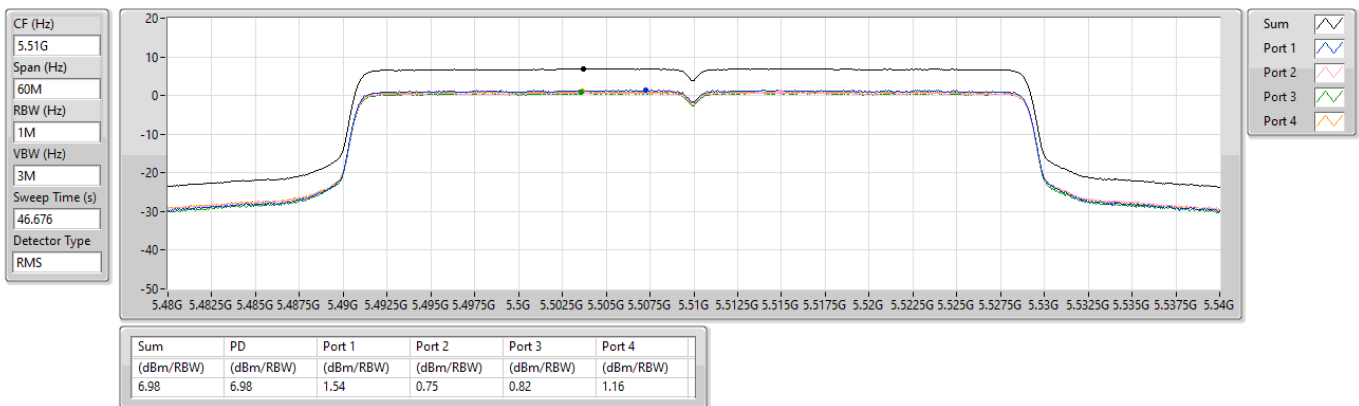


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

21/08/2024

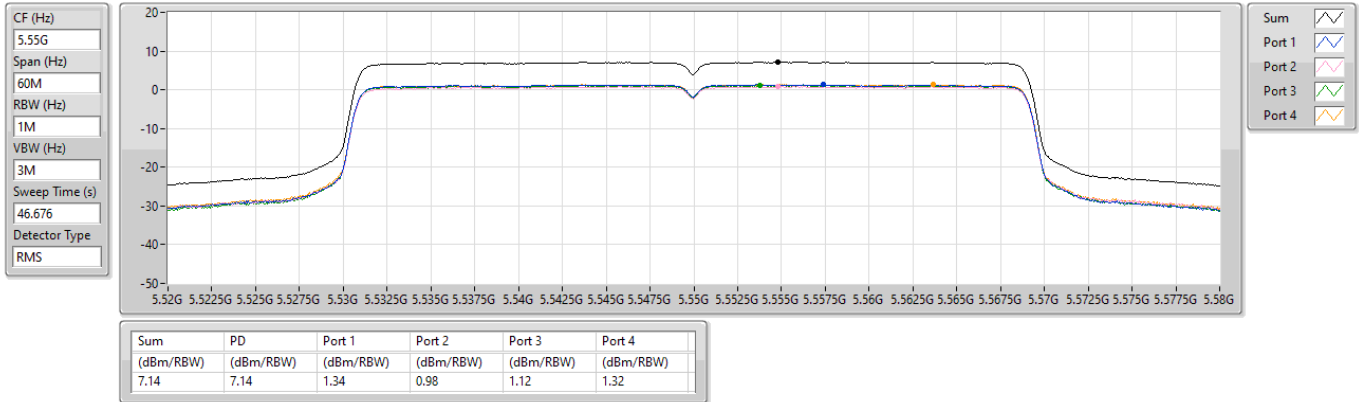


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

21/08/2024

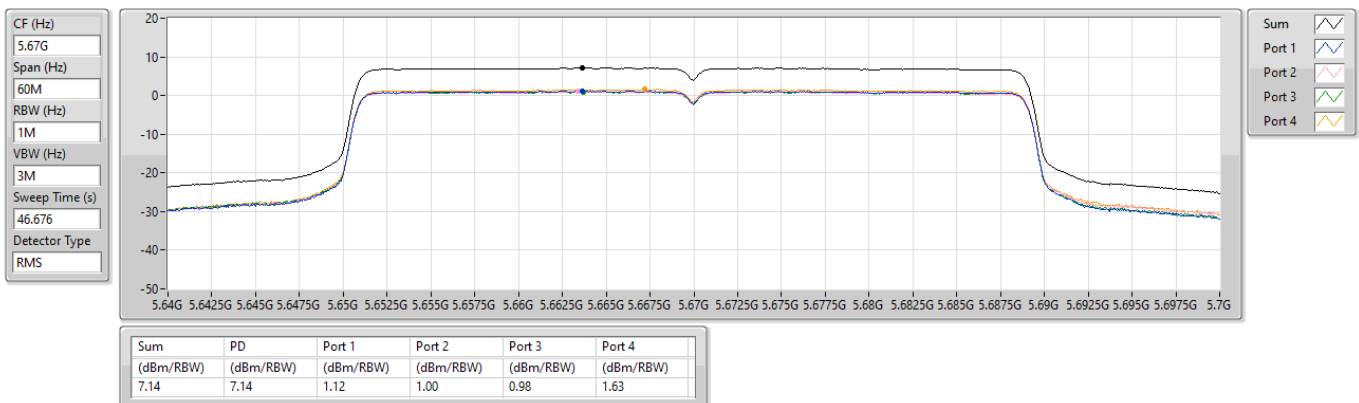


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

21/08/2024

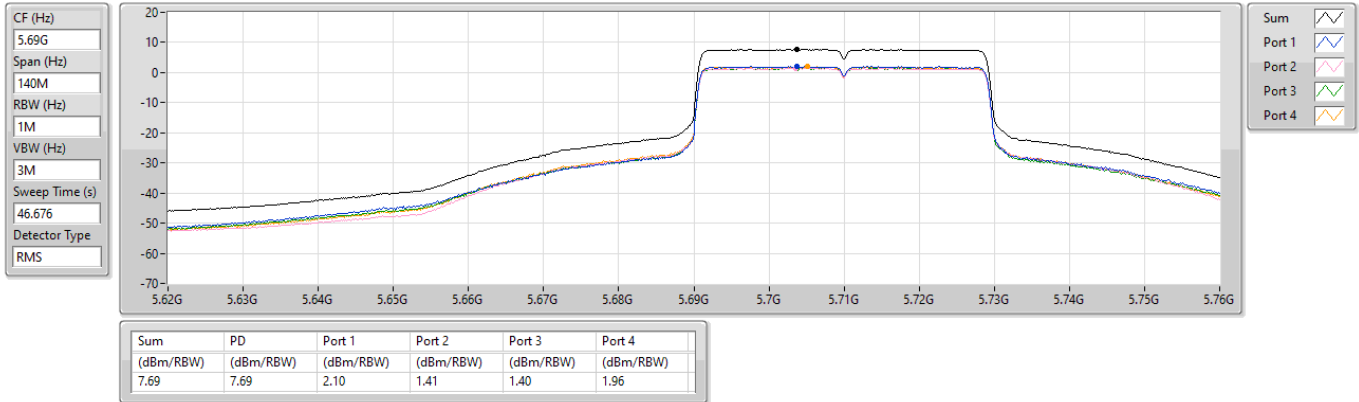


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

21/08/2024

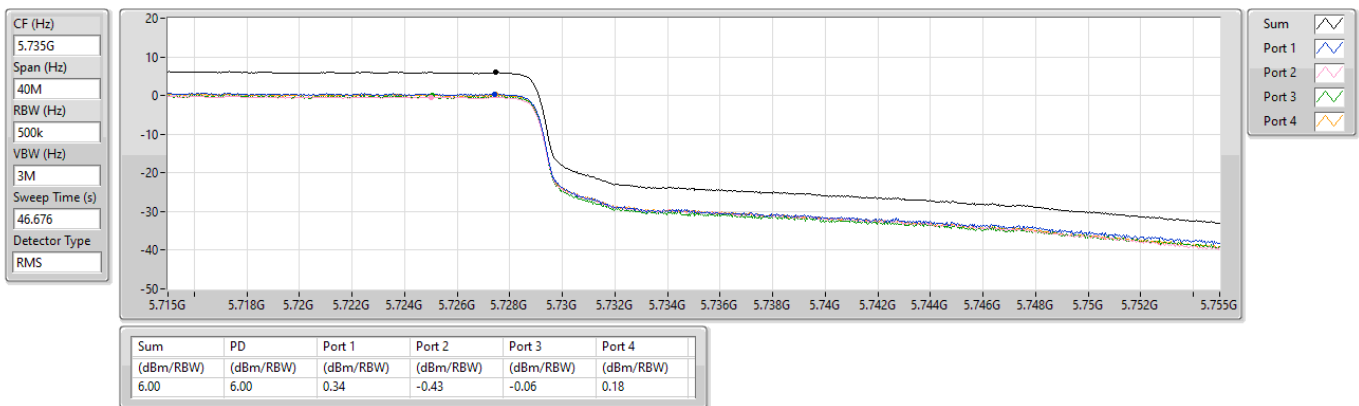


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

21/08/2024

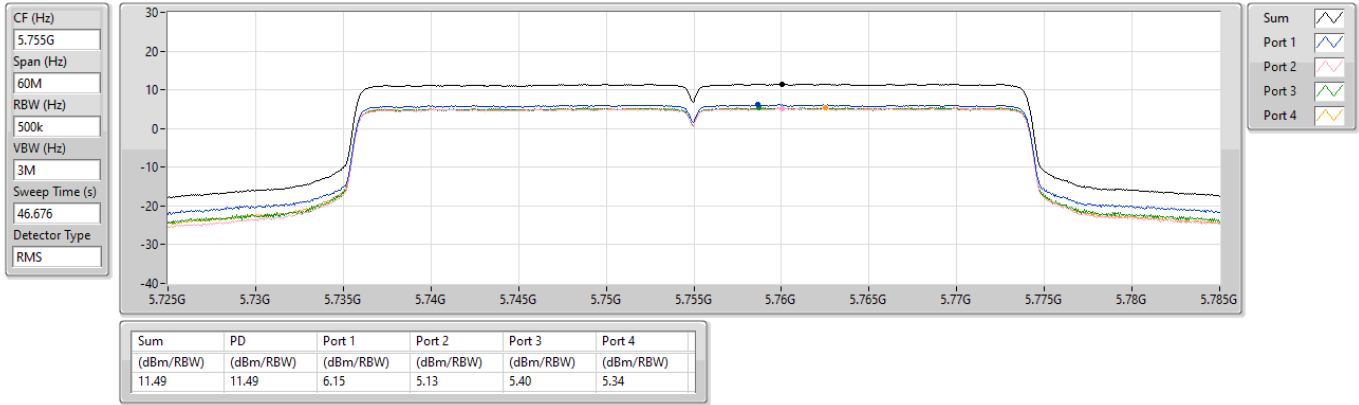


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

21/08/2024

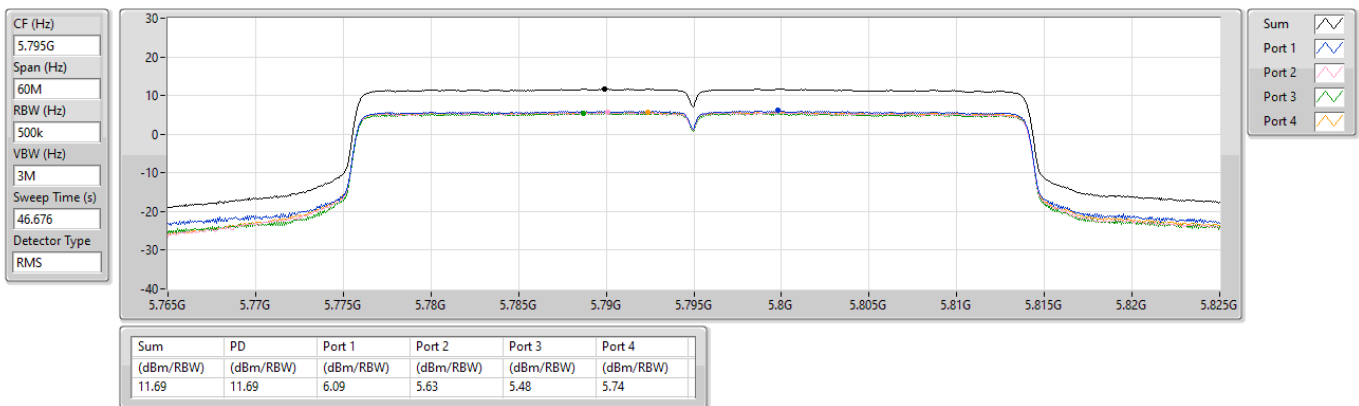


5.725-5.85GHz_802.11be EHT40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

21/08/2024



5.15-5.25GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

21/08/2024

CF (Hz)
5.21G

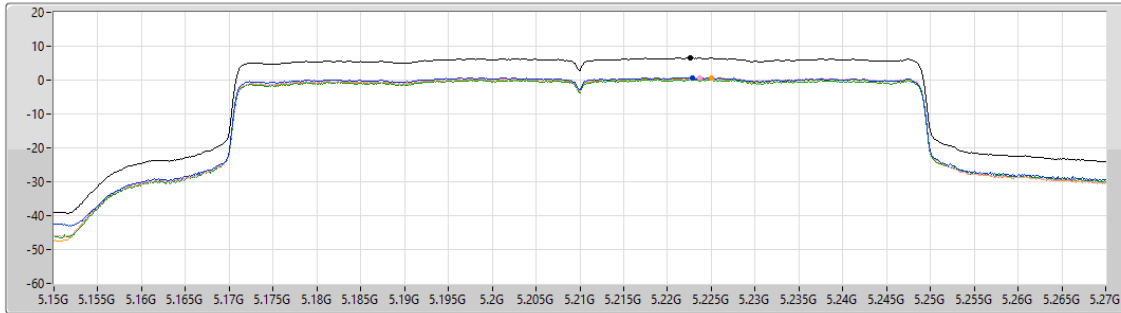
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
45.044

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)
6.55	6.55	0.74	0.76	0.19	0.54

5.25-5.35GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

21/08/2024

CF (Hz)
5.29G

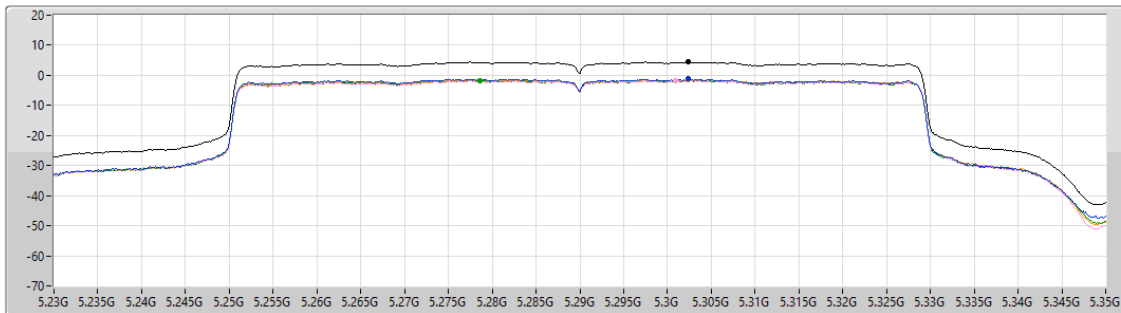
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
45.044

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)
4.45	4.45	-1.17	-1.79	-1.76	-1.42

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

21/08/2024

CF (Hz)
5.53G

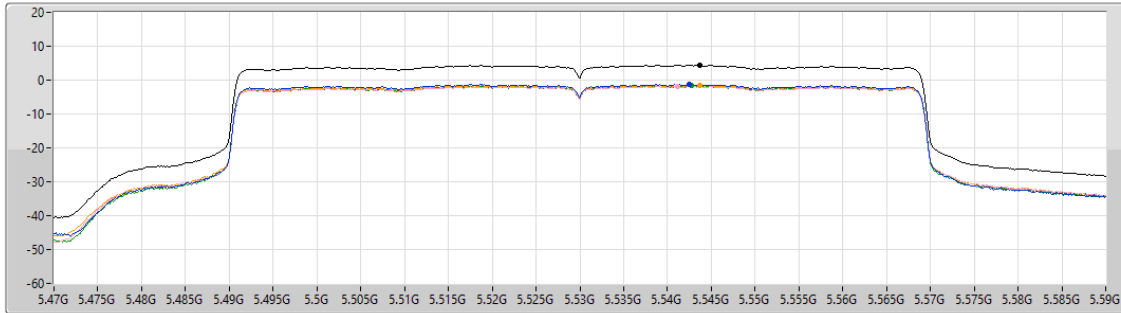
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
45.044

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.39	4.39	-1.22	-1.86	-1.65	-1.45

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

21/08/2024

CF (Hz)
5.61G

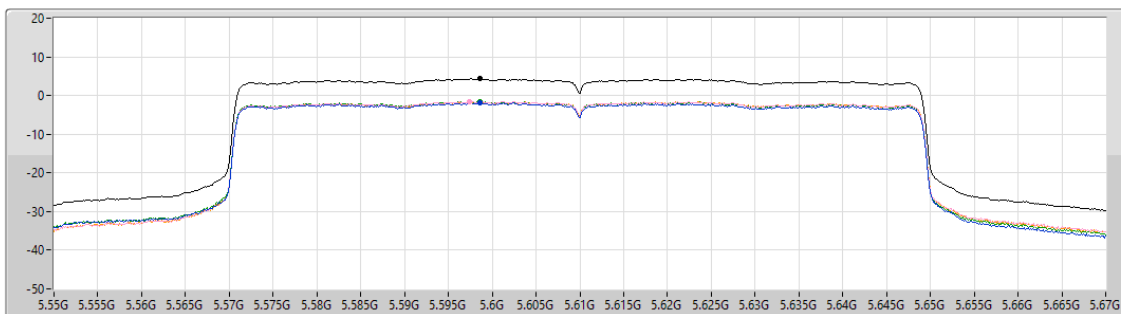
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
45.044

Detector Type
RMS



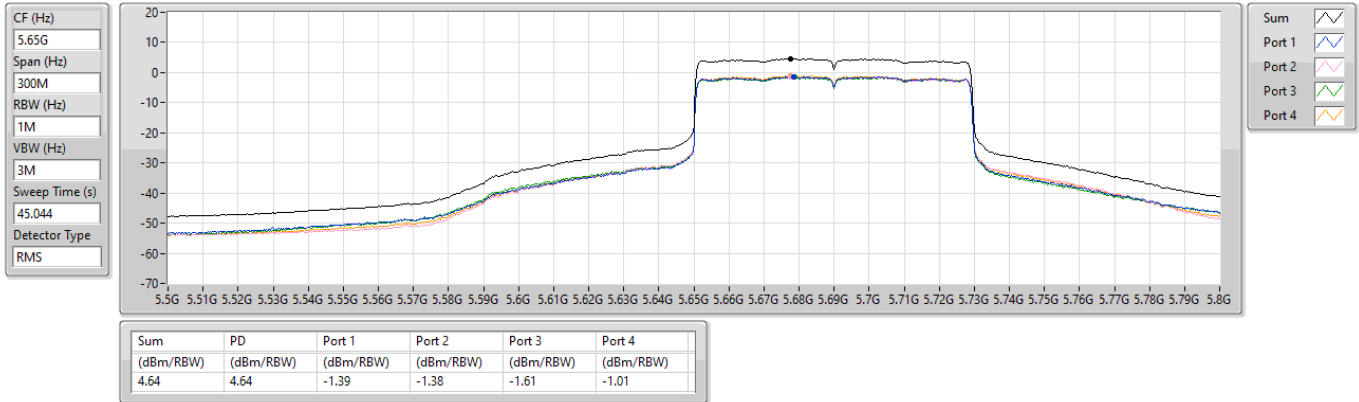
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.35	4.35	-1.95	-1.58	-1.52	-1.58

5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

21/08/2024



5.725-5.85GHz_802.11be EHT80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

21/08/2024

