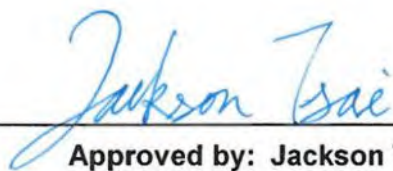


FCC Radio Test Report

FCC ID : QXO-AP4020
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP4020
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville
North Carolina United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville
North Carolina United States 27560
Standard : 47 CFR FCC Part 15.407

The product was received on Jun. 27, 2024, and testing was started from Oct. 06, 2024 and completed on Dec. 06, 2024. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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[illegible]

Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Barry Hsiao

Report Producer: Michelle Tsai

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		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
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		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
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		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160), be (EHT160)	5250	50 [1]
5470-5725		5570	114 [1]

**Non-Beamforming_Radio 2_1T1S**

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.15-5.25GHz	802.11be EHT20	20	1TX
5.25-5.35GHz	802.11be EHT20	20	1TX
5.47-5.725GHz	802.11be EHT20	20	1TX
5.725-5.85GHz	802.11be EHT20	20	1TX
5.15-5.25GHz	802.11be EHT40	40	1TX
5.25-5.35GHz	802.11be EHT40	40	1TX
5.47-5.725GHz	802.11be EHT40	40	1TX
5.725-5.85GHz	802.11be EHT40	40	1TX
5.15-5.25GHz	802.11be EHT80	80	1TX
5.25-5.35GHz	802.11be EHT80	80	1TX
5.47-5.725GHz	802.11be EHT80	80	1TX
5.725-5.85GHz	802.11be EHT80	80	1TX
5.15-5.25GHz	802.11be EHT160	160	1TX
5.25-5.35GHz	802.11be EHT160	160	1TX
5.47-5.725GHz	802.11be EHT160	160	1TX

Non-Beamforming_Radio 2_2T1S

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11be EHT20	20	2TX
5.25-5.35GHz	802.11be EHT20	20	2TX
5.47-5.725GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.25-5.35GHz	802.11be EHT40	40	2TX
5.47-5.725GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX
5.25-5.35GHz	802.11be EHT80	80	2TX
5.47-5.725GHz	802.11be EHT80	80	2TX
5.725-5.85GHz	802.11be EHT80	80	2TX
5.15-5.25GHz	802.11be EHT160	160	2TX
5.25-5.35GHz	802.11be EHT160	160	2TX
5.47-5.725GHz	802.11be EHT160	160	2TX

**Non-Beamforming_Radio 2_2T2S**

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20	20	2TX
5.25-5.35GHz	802.11be EHT20	20	2TX
5.47-5.725GHz	802.11be EHT20	20	2TX
5.725-5.85GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.25-5.35GHz	802.11be EHT40	40	2TX
5.47-5.725GHz	802.11be EHT40	40	2TX
5.725-5.85GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX
5.25-5.35GHz	802.11be EHT80	80	2TX
5.47-5.725GHz	802.11be EHT80	80	2TX
5.725-5.85GHz	802.11be EHT80	80	2TX
5.15-5.25GHz	802.11be EHT160	160	2TX
5.25-5.35GHz	802.11be EHT160	160	2TX
5.47-5.725GHz	802.11be EHT160	160	2TX

Beamforming_Radio 2_2T1S

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20-BF	20	2TX
5.25-5.35GHz	802.11be EHT20-BF	20	2TX
5.47-5.725GHz	802.11be EHT20-BF	20	2TX
5.725-5.85GHz	802.11be EHT20-BF	20	2TX
5.15-5.25GHz	802.11be EHT40-BF	40	2TX
5.25-5.35GHz	802.11be EHT40-BF	40	2TX
5.47-5.725GHz	802.11be EHT40-BF	40	2TX
5.725-5.85GHz	802.11be EHT40-BF	40	2TX
5.15-5.25GHz	802.11be EHT80-BF	80	2TX
5.25-5.35GHz	802.11be EHT80-BF	80	2TX
5.47-5.725GHz	802.11be EHT80-BF	80	2TX
5.725-5.85GHz	802.11be EHT80-BF	80	2TX
5.15-5.25GHz	802.11be EHT160-BF	160	2TX
5.25-5.35GHz	802.11be EHT160-BF	160	2TX
5.47-5.725GHz	802.11be EHT160-BF	160	2TX

**Non-Beamforming_Radio 3_1T1S**

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.15-5.25GHz	802.11be EHT20	20	1TX
5.25-5.35GHz	802.11be EHT20	20	1TX
5.15-5.25GHz	802.11be EHT40	40	1TX
5.25-5.35GHz	802.11be EHT40	40	1TX
5.15-5.25GHz	802.11be EHT80	80	1TX
5.25-5.35GHz	802.11be EHT80	80	1TX

Non-Beamforming_Radio 3_2T1S

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.15-5.25GHz	802.11be EHT20	20	2TX
5.25-5.35GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.25-5.35GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX
5.25-5.35GHz	802.11be EHT80	80	2TX

Non-Beamforming_Radio 3_2T2S

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20	20	2TX
5.25-5.35GHz	802.11be EHT20	20	2TX
5.15-5.25GHz	802.11be EHT40	40	2TX
5.25-5.35GHz	802.11be EHT40	40	2TX
5.15-5.25GHz	802.11be EHT80	80	2TX
5.25-5.35GHz	802.11be EHT80	80	2TX

Beamforming_Radio 3_2T1S

Band	Mode	BWch	Nant
5.15-5.25GHz	802.11be EHT20-BF	20	2TX
5.25-5.35GHz	802.11be EHT20-BF	20	2TX
5.15-5.25GHz	802.11be EHT40-BF	40	2TX
5.25-5.35GHz	802.11be EHT40-BF	40	2TX
5.15-5.25GHz	802.11be EHT80-BF	80	2TX
5.25-5.35GHz	802.11be EHT80-BF	80	2TX

**Radio 1 Scan 1T1S**

Band	Mode	BWch	Nant
5.15-5.25GHz	a20	20	1TX
5.25-5.35GHz	a20	20	1TX
5.47-5.725GHz	a20	20	1TX
5.725-5.85GHz	a20	20	1TX
5.15-5.25GHz	a40	40	1TX
5.25-5.35GHz	a40	40	1TX
5.47-5.725GHz	a40	40	1TX
5.725-5.85GHz	a40	40	1TX
5.15-5.25GHz	a80	80	1TX
5.25-5.35GHz	a80	80	1TX
5.47-5.725GHz	a80	80	1TX
5.725-5.85GHz	a80	80	1TX
5.15-5.25GHz	a160	160	1TX
5.25-5.35GHz	a160	160	1TX
5.47-5.725GHz	a160	160	1TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ EHT20, EHT40, EHT80 and EHT160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- ♦ BWch is the nominal channel bandwidth.
- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only due to the 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.



1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support	Radio
1	Sercomm	6172005QWA01	PIFA	I-Pex	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
2	Sercomm	6172005QWA02	PIFA	I-Pex	2.4G+5G	Radio 1_2.4G
						Radio 2_5G
3	Sercomm	6172005QWA04	PIFA	I-Pex	5G	Radio 3_5G
4	Sercomm	6172005QWA05	PIFA	I-Pex	5G	Radio 3_5G
5	Sercomm	6172005QWA06	PIFA	I-Pex	6G	Radio 3_6G
6	Sercomm	6172005QWA07	PIFA	I-Pex	6G	Radio 3_6G
7	Sercomm	6172005QWA03	PIFA	I-Pex	2.4G+5G+6G	Radio 1_Scan
8	Sercomm	6172005QWA08	PIFA	I-Pex	BT	BLE_chain 0
9	Sercomm	6172005QWA09	PIFA	I-Pex	BT	BLE_chain 1_H
10	Sercomm	6172005QWA10	PIFA	I-Pex	BT	BLE_chain 1_V
11	Sercomm	6172005QWA11	PIFA	I-Pex	GPS	N/A

Ant.	Port	Gain (dBi)											
		2.4G	5G				6G				BT chain 0	BT chain 1_H	BT chain 1_V
			UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8			
1	1	1.53	2.94	3.56	4.68	5.34	-	-	-	-	-	-	-
2	2	1.36	2.3	2.23	2.37	2.92	-	-	-	-	-	-	-
3	1	-	3.49	3.73	-	-	-	-	-	-	-	-	-
4	2	-	2.69	2.56	-	-	-	-	-	-	-	-	-
5	1	-	-	-	-	-	5.48	5.28	5.85	4.31	-	-	-
6	2	-	-	-	-	-	2.82	2.9	2.64	2.43	-	-	-
7	1	2.22	3.14	3.33	3.41	4.5	5.35	4.73	4.59	4.69	-	-	-
8	1	-	-	-	-	-	-	-	-	-	1.58	-	-
9	1	-	-	-	-	-	-	-	-	-	-	2.24	-
10	2	-	-	-	-	-	-	-	-	-	-	-	1.8

Composite Gain (dBi)										
Ant.		2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	UNII-5	UNII-6	UNII-7	UNII-8
1~2	DG [1SS]	1.55	3.19	4.6	5.41	5.34	-	-	-	-
	DG [2SS]	1.53	2.94	3.56	4.68	5.34	-	-	-	-
3~4	DG [1SS]	-	5.77	5.82	-	-	-	-	-	-
	DG [2SS]	-	3.49	3.73	-	-	-	-	-	-
5~6	DG [1SS]	-	-	-	-	-	5.58	5.33	5.93	5.02
	DG [2SS]	-	-	-	-	-	5.48	5.28	5.85	4.31

Note 1: The EUT has eleven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP462705.

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax/be mode (1TX/2RX) (Radio 1)

Ant. 1 (port 1) could transmit/receive.

For IEEE 802.11 b/g/n/VHT/ax/be mode (2TX/2RX) (Radio 1)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For b20, g20 mode (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax/be mode (1TX/2RX) (Radio 2)

Ant. 1 (port 1) could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX) (Radio 2)

Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax/be mode (1TX/2RX) (Radio 3)

Ant. 3 (port 1) could transmit/receive.

For IEEE 802.11 a/n/ac/ax/be mode (2TX/2RX) (Radio 3)

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.

For a20, a40, a80, a160 (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Chain 0)

Ant. 8 (port 1) could transmit/receive.

For IEEE 802.15.1 Bluetooth mode (1TX/2RX) (Chain 1)

Ant. 9 (port 1) or Ant. 10 (port 2) could transmit/receive

Support diversity function and pre-tested on each single chain, the worst case was Ant. 10 (port 2) and it was recorded in this test report.

For 6GHz function:

For IEEE 802.11 a/ax/be mode (1TX/2RX) (Radio3)

Ant. 5 (port 1) could transmit/receive.

For IEEE 802.11 a/ax/be mode (2TX/2RX) (Radio 3)

Ant. 5 (port 1) and Ant. 6 (port 2) could transmit/receive simultaneously.

For 11a20, 11a40, 11a80, 11a160 (1TX/1RX) (Radio 1_Scan)

Ant. 7 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
EUT Function	☐ Outdoor AP	☒ Indoor AP	
	☐ Fixed P2P AP	☐ Client	
	☐ OEM Device installed in vehicle		
Beamforming Function	☒ With beamforming	☐ Without beamforming	
TPC Function	☒ With TPC Function	☐ Without TPC Function	
Weather Band	☒ With 5600~5650MHz	☐ Without 5600~5650MHz	
Resource Unit	☒ Full RU	☐ Partial RU	
	☐ MRU(static preamble puncturing)	☐ MRU(dynamic preamble puncturing)	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming_Radio 2_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_1TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160_Nss1,(MCS0)_1TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 2_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_2TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160_Nss1,(MCS0)_2TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 2_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss2,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss2,(MCS0)_2TX	0.979	0.09	1.466m	1k
802.11be EHT160_Nss2,(MCS0)_2TX	0.979	0.09	1.466m	1k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 2_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT160-BF_Nss1,(MCS0)_2TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

**Non-Beamforming_Radio 3_1T1S**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_1TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_1TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 3_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)_2TX	0.99	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT20_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 3_2T2S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20_Nss2,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40_Nss2,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80_Nss2,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 3_2T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT20-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT40-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11be EHT80-BF_Nss1,(MCS0)_2TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Radio 1_Scan_1T1S

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
a20_Nss1,(6Mbps)_1TX	0.547	2.62	128.281u	10k
a40_Nss1,(6Mbps)_1TX	0.538	2.69	128.281u	10k
a80_Nss1,(6Mbps)_1TX	0.539	2.68	129.688u	10k
a160_Nss1,(6Mbps)_1TX	0.538	2.69	129.688u	10k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

1.2 Testing Applied 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
- ♦ KDB 789033 D02 v02r01

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D03 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Rian Chung	20.1~21.1°C / 53~58%	23/Oct/2024~24/Oct/2024
RF Conducted (Radio 2&3)	TH07-HY	Raven Chien	22.2~23.3°C / 47~55%	19/Oct/2024~05/Nov/2024
RF Conducted (Radio 1_Scan)	TH07-HY	Raven Chien	23.4~23.8°C / 53~60%	08/Nov/2024~06/Dec/2024
Radiated (Radio 2&3 Above 1GHz)	03CH02-HY	Vasari Huang	22.1~22.6°C / 53~56%	06/Oct/2024~14/Oct/2024
Radiated (5G Radio 1_Scan)	03CH02-HY	Edward Wang	20.4~22.3°C / 50~52%	30/Oct/2024~01/Dec/2024
☒ Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)			
	TEL: 886-3-327-0868			
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Radio 2&3 Below 1GHz)	03CH24-HY	Billy Wang	20.6~23.1°C / 55~56%	16/Oct/2024~17/Oct/2024
Radiated (Co-location)	03CH24-HY	Billy Wang	20.7~22.5°C / 53~54%	01/Nov/2024

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	accessMTool_REL_3_3_0_4
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Non-Beamforming_Radio 2_1T1S

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	67
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT20_Nss1,(MCS0)_1TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	58
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT40_Nss1,(MCS0)_1TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	80



5510MHz	80
5550MHz	80
5670MHz	80
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
5755MHz	80
5795MHz	80
802.11be EHT80_Nss1,(MCS0)_1TX	-
5210MHz	80
5290MHz	80
5530MHz	80
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	80
802.11be EHT160_Nss1,(MCS0)_1TX	-
5250MHz Straddle 5.15-5.25GHz	76
5250MHz Straddle 5.25-5.35GHz	76
5570MHz	68

Non-Beamforming_Radio 2_2T1S

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	56
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT20_Nss1,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80



5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	53
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT40_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	80
5510MHz	80
5550MHz	80
5670MHz	75
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
5755MHz	80
5795MHz	80
802.11be EHT80_Nss1,(MCS0)_2TX	-
5210MHz	80
5290MHz	80
5530MHz	77
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	80
802.11be EHT160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	73
5250MHz Straddle 5.25-5.35GHz	73
5570MHz	66

**Non-Beamforming_Radio 2_2T2S**

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	56
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT40_Nss2,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	80
5510MHz	80
5550MHz	80
5670MHz	80
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
5755MHz	80
5795MHz	80
802.11be EHT80_Nss2,(MCS0)_2TX	-
5210MHz	80
5290MHz	80
5530MHz	79
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	80
802.11be EHT160_Nss2,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	73
5250MHz Straddle 5.25-5.35GHz	73
5570MHz	65



Test Software Version	PutTY Release 0.62
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Beamforming_Radio 2_2T1S

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	80
5580MHz	80
5700MHz	53
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	80
5785MHz	80
5825MHz	80
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	80
5510MHz	80
5550MHz	80
5670MHz	75
5710MHz Straddle 5.47-5.725GHz	80
5710MHz Straddle 5.725-5.85GHz	80
5755MHz	80
5795MHz	80
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	80
5290MHz	80
5530MHz	77
5610MHz	80
5690MHz Straddle 5.47-5.725GHz	80
5690MHz Straddle 5.725-5.85GHz	80
5775MHz	80
802.11be EHT160-BF_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	73
5250MHz Straddle 5.25-5.35GHz	73
5570MHz	66

**Non-Beamforming_Radio 3_1T1S**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT20_Nss1,(MCS0)_1TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT40_Nss1,(MCS0)_1TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	77
802.11be EHT80_Nss1,(MCS0)_1TX	-
5210MHz	80
5290MHz	80

**Non-Beamforming_Radio 3_2T1S**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT20_Nss1,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT40_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	73
802.11be EHT80_Nss1,(MCS0)_2TX	-
5210MHz	75
5290MHz	72

Non-Beamforming_Radio 3_2T2S

Mode	Power Setting
802.11be EHT20_Nss2,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT40_Nss2,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	76
802.11be EHT80_Nss2,(MCS0)_2TX	-
5210MHz	76
5290MHz	75



Test Software Version	PuTTY Release 0.62
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Beamforming_Radio 3_2T1S

Mode	Power Setting
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-
5180MHz	80
5200MHz	80
5240MHz	80
5260MHz	80
5300MHz	80
5320MHz	80
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	80
5270MHz	80
5310MHz	73
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-
5210MHz	75
5290MHz	72



Test Software Version	PuTTY Release 0.62
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Radio 1_Scan_1T1S

Mode	Power Setting
a20_Nss1,(6Mbps)_1TX	-
5180MHz	37
5200MHz	38
5240MHz	39
5260MHz	57
5300MHz	57
5320MHz	48
5500MHz	47
5580MHz	59
5700MHz	53
5745MHz	80
5785MHz	80
5825MHz	80
a40_Nss1,(6Mbps)_1TX	-
5190MHz	32
5230MHz	39
5270MHz	47
5310MHz	32
5510MHz	27
5550MHz	50
5670MHz	49
5755MHz	80
5795MHz	80
a80_Nss1,(6Mbps)_1TX	-
5210MHz	35
5290MHz	35
5530MHz	33
5610MHz	60
5775MHz	54
a160_Nss1,(6Mbps)_1TX	-
5250MHz Straddle 5.15-5.25GHz	27
5250MHz Straddle 5.25-5.35GHz	27
5570MHz	32

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	PoE Mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT	V (Radio 2_2T1S) (Radio 2_2T2S) (Radio 3_1T1S) (Radio 1_Scan)	V (Radio 3_2T1S) (Radio 3_2T2S)	V (Radio 2_1T1S)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1:2.4G+Radio 2:5G Full+Radio 3:6G Full+Radio 1:Scan 2.4G+ Radio 1:Scan 5G + Radio 1:Scan 6G+Bluetooth(chain 0)
2	Radio 1:2.4G+Radio 2:5G High(Band3/4)+Radio 3:5G Low(Band1/2)+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain 0)
3	Radio 1:2.4G+Radio 2:5G Full+Radio 3:6G Full+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain 1)
4	Radio 1:2.4G+Radio 2:5G High(Band3/4)+Radio 3:5G Low(Band1/2)+Radio 1:Scan 2.4G+Radio 1:Scan 5G+Radio 1:Scan 6G+Bluetooth(chain1)
Refer to Sporton Test Report No.: FA462705 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

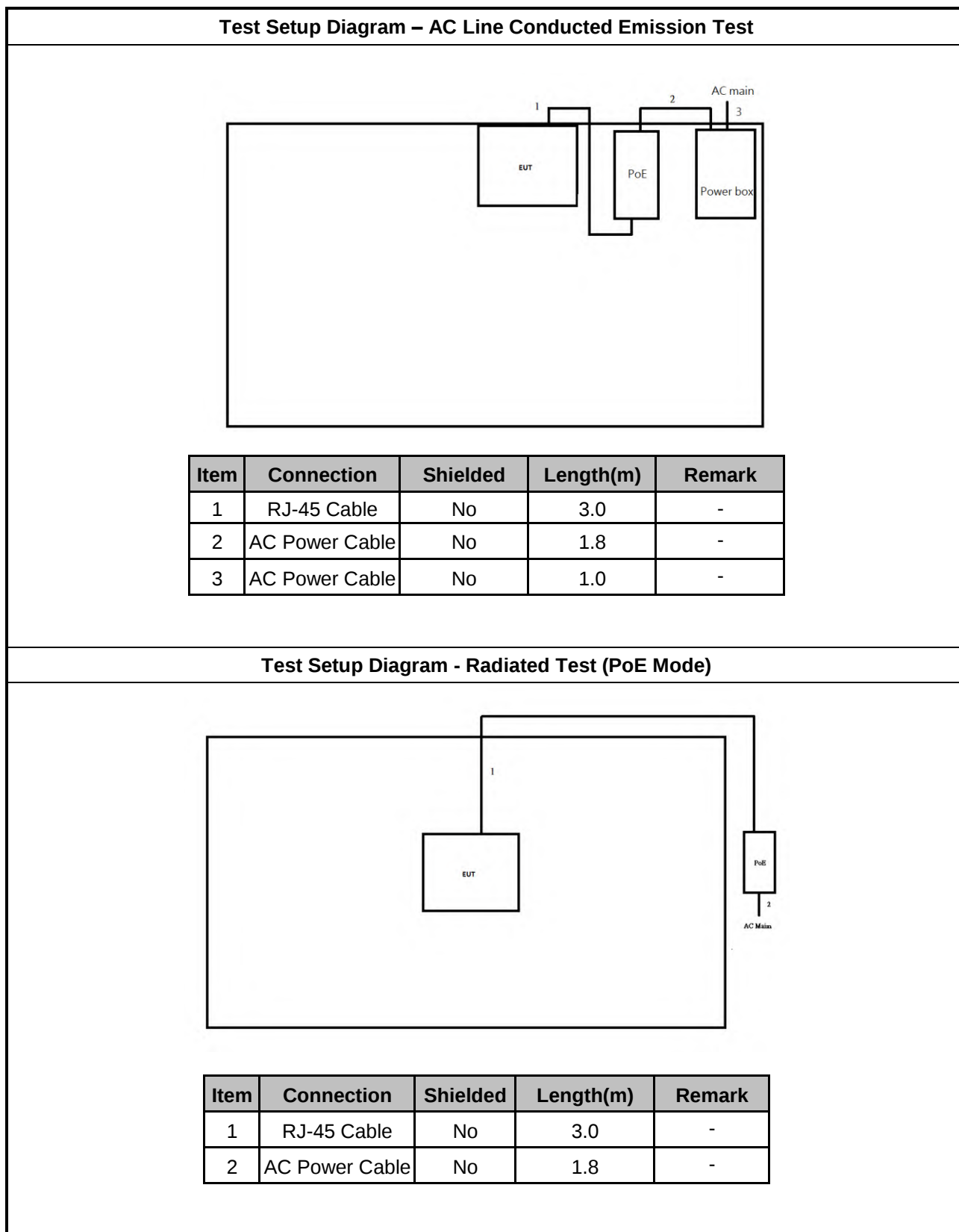
2.3 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CLN7VAF0015A	-	-
2	PoE	PHIHONG	POE60U-1BT-X	-	Provided by Customer
3	AC Power Cable	Power sync	SCB-3PM01	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Adapter	Powertron	PA1045-120HIB300	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ-45 Cable	Power sync	CLN7VAF0015A	-	-
2	PoE	PHIHONG	POE60U-1BT-X	-	Provided by Customer/ Remote

2.4 Test Setup Diagram



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

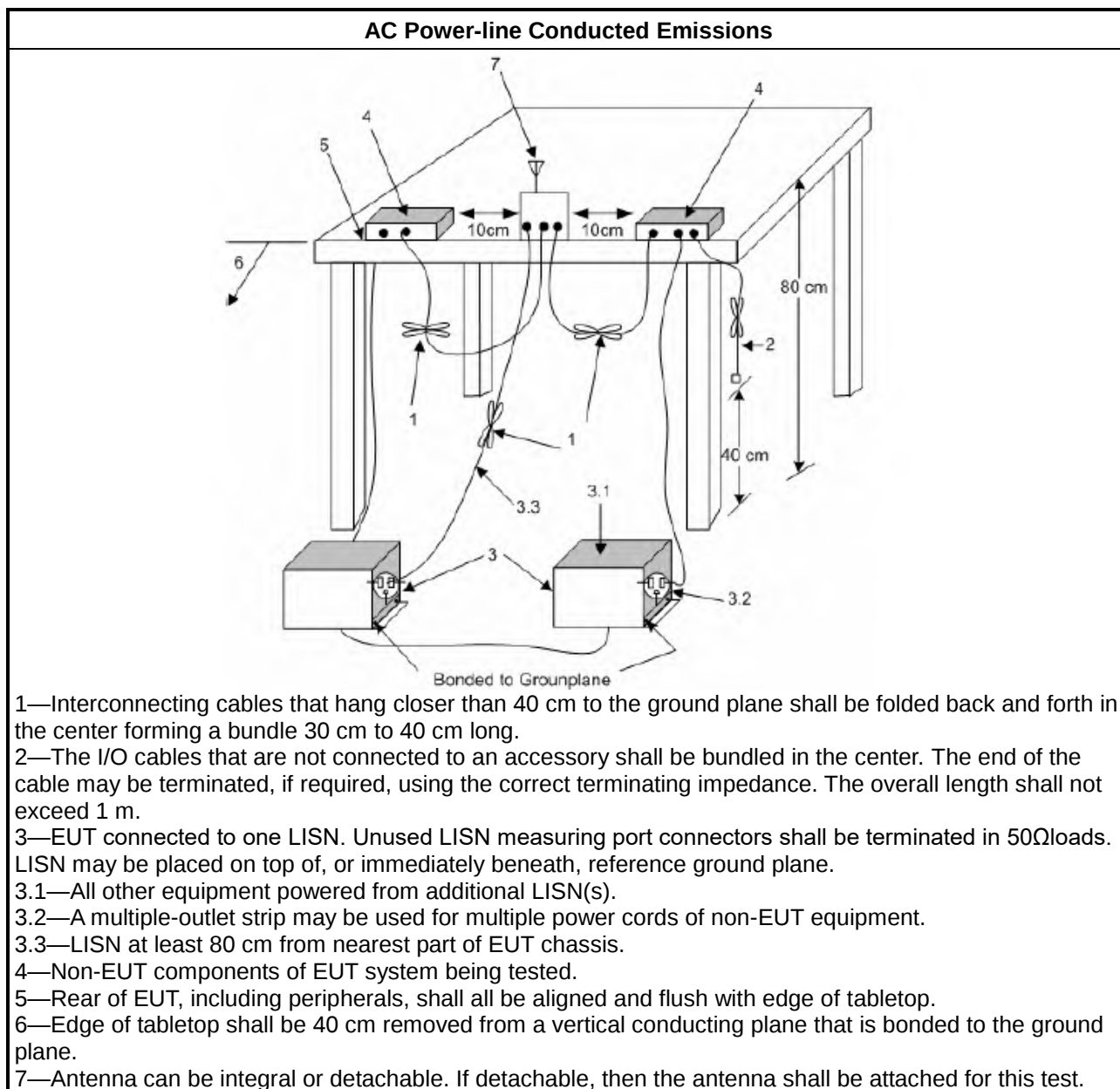
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup



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, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

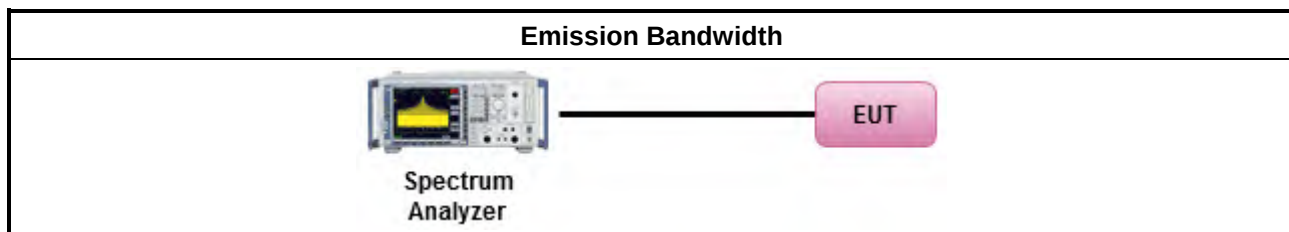
3.2.2 Measuring Instruments

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 KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted 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 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 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 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 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 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 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 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 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

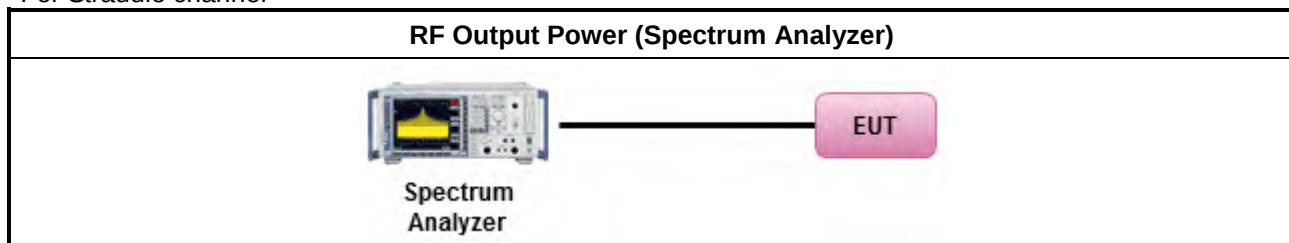
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

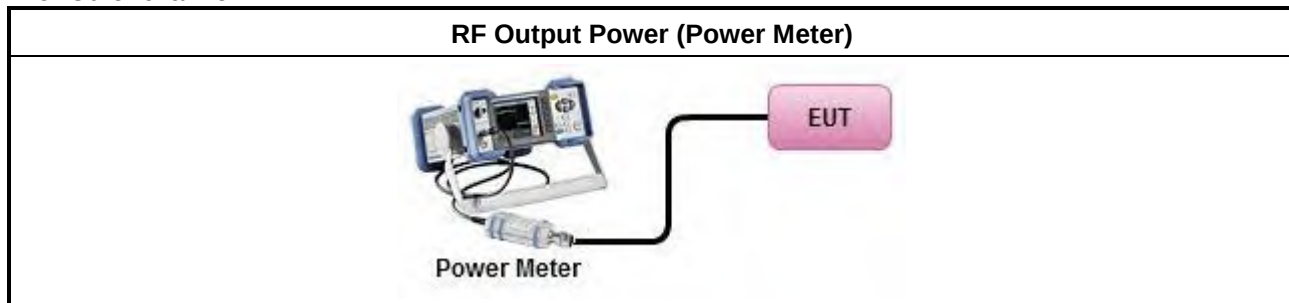
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as 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: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup

For Straddle channel



For Other channel



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density 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 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 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 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.
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.	

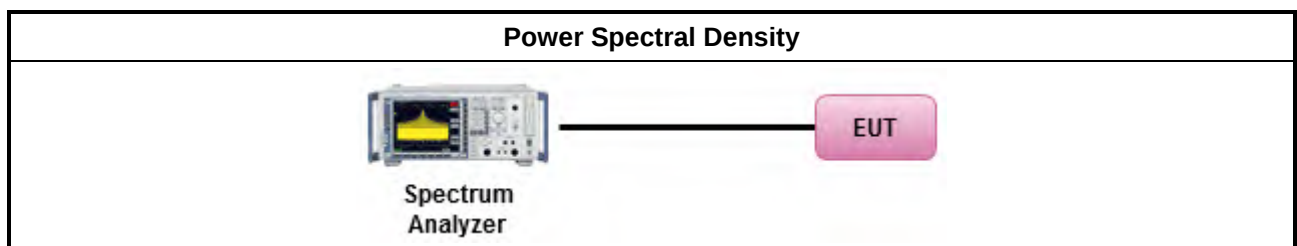
3.4.2 Measuring Instruments

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 KDB 789033, 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%	
☒ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). Duty cycle < 98%	
☒ Refer as KDB 789033, 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:	
- Measure and sum the spectra across the outputs. Refer as 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.	
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]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated 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	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

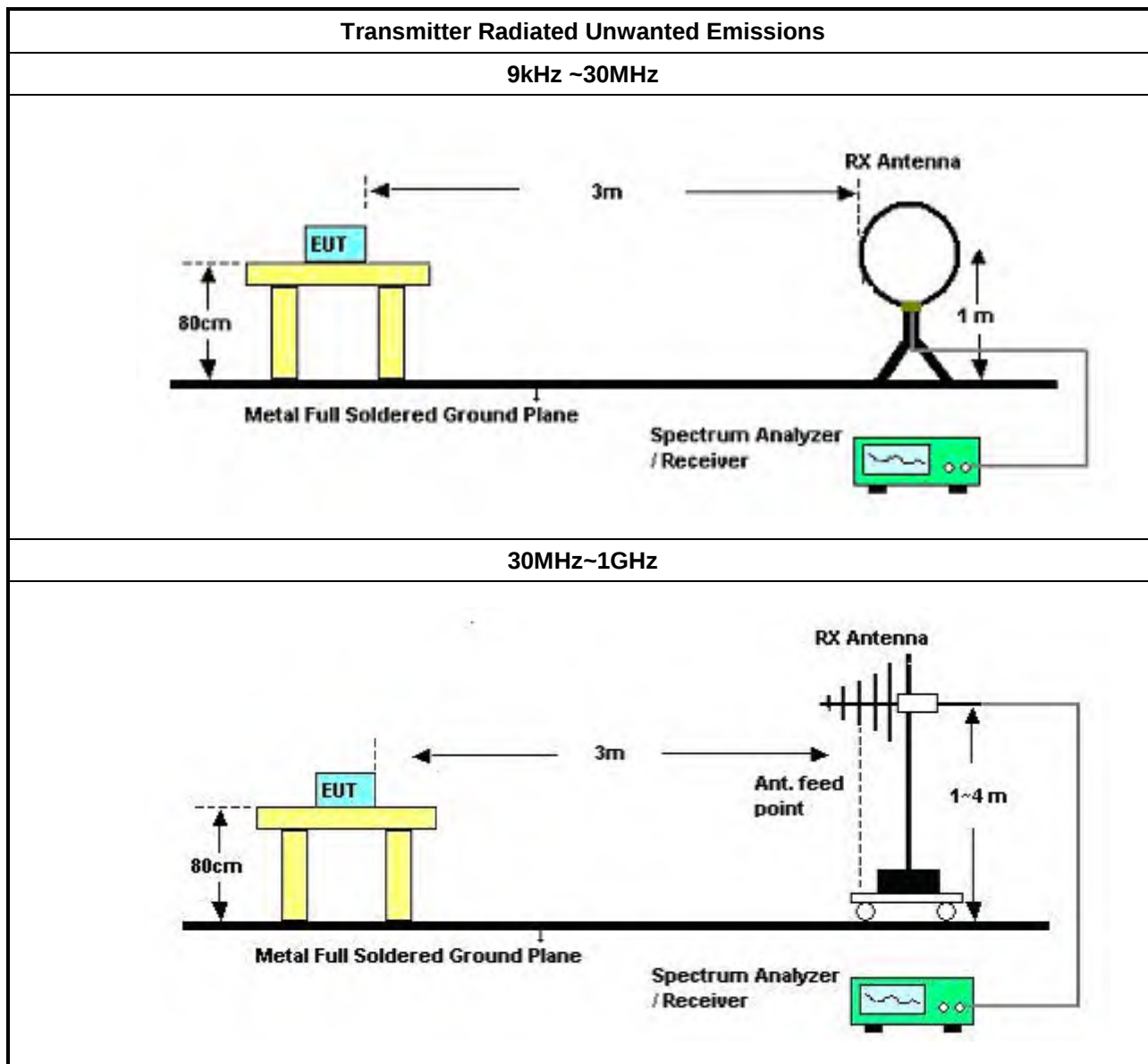
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒	Refer as KDB 789033, clause G)5) (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.	
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

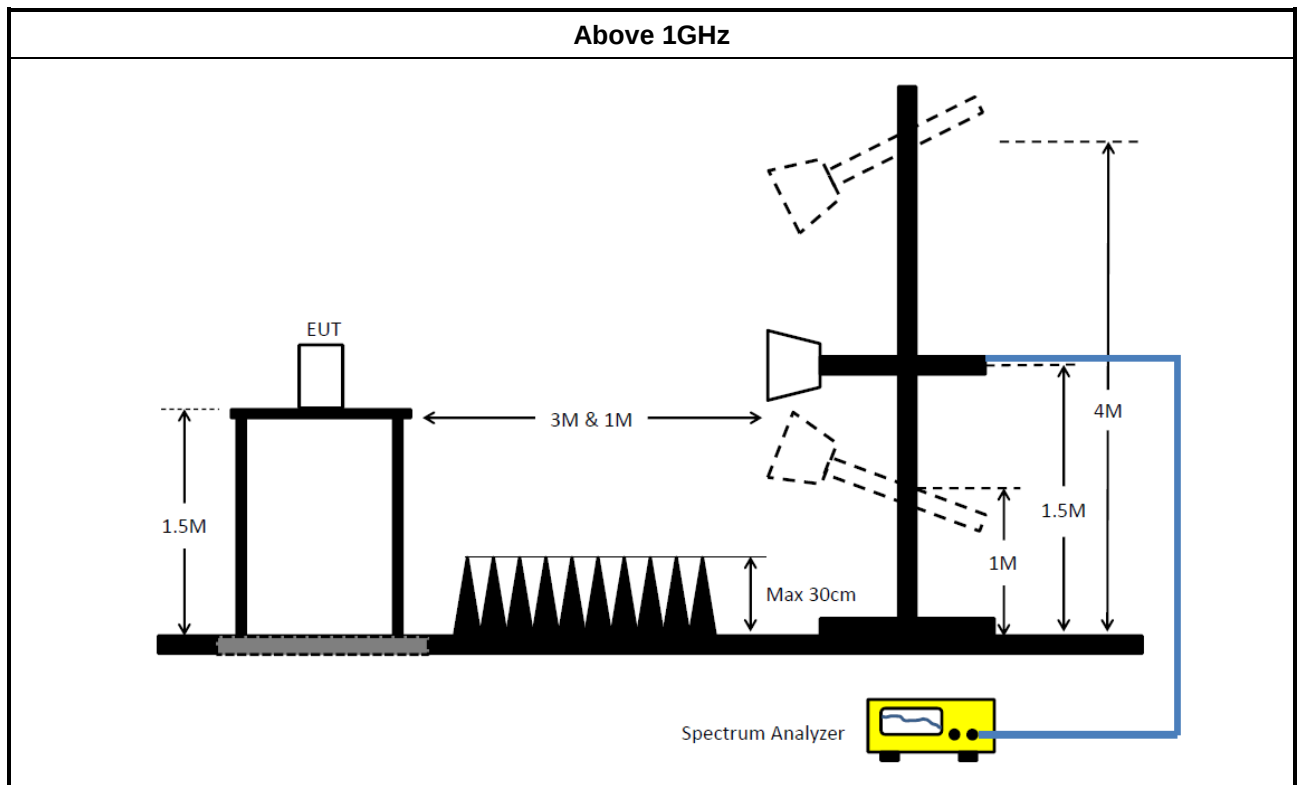
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	ROHDE & SCHWARZ	ESR3	102051	9kHz ~ 3.6GHz	17/May/2024	16/May/2025
Two-Line V-Network	ROHDE & SCHWARZ	ENV 216	101274	9kHz ~ 30MHz	18/Jun/2024	17/Jun/2025
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	27/Feb/2024	26/Feb/2025
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	17/Oct/2024	16/Oct/2025
Software	Sporton	SENSE-EMI	V5.11.3	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test (Radio 2&3)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A03	183621	23kHz~40GHz	01/Dec/2023	30/Nov/2024
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15407_NII	Sporton	V5.11.20	N/A	N/A	N/A	N/A

Instrument for Conducted Test (Radio 1 Scan)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	9kHz~40GHz	02/Feb/2024	01/Feb/2025
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	16/Oct/2024	15/Oct/2025
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	15/Dec/2023	14/Dec/2024
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	15/Dec/2023	14/Dec/2024
SENSE-15407_NII	Sporton	V5.11.20	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (03CH02-HY)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	14/Jul/2024	13/Jul/2025
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	14/Jul/2024	13/Jul/2025
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	03/May/2024	02/May/2025
Signal Analyzer	R&S	FSP 40	100593	9kHz~40GHz	11/Mar/2024	10/Mar/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723/2	30MHz~1GHz	26/Aug/2024	25/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	23/Sep/2024	22/Sep/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	04/Jun/2024	03/Jun/2025
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	19/Dec/2023	18/Dec/2024
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	19/Dec/2023	18/Dec/2024
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX 104	03CH02-cable-01	1GHz~40GHz	15/Feb/2024	14/Feb/2025
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	29/Jun/2024	28/Jun/2025
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	01/Oct/2024	30/Sep/2025
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~40GHz	19/Apr/2024	18/Apr/2025
SENSE-15407-NII	Sporton	V5.11.20	NA	NA	NA	NA

Instrument for Radiated Test (03CH24-HY) (Radio 2&3 Below 1GHz)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	30MHz~1GHz 3m	16/Aug/2024	15/Aug/2025
EMI Test Receiver	ROHDE & SCHWARZ	ESR	102318	9kHz~3.6GHz	27/Dec/2023	26/Dec/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	15/Aug/2024	14/Aug/2025
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	19/Mar/2024	18/Mar/2025
Bilog Antenna & 6dB Attenuator	TESEQ / Woken	CBL 6112D / 00800N1D01N-06	35376 / 02	30MHz~1GHz	14/Apr/2024	13/Apr/2025
RF Cable	HUBER+ SUHNER	SUOFLEX 104	03CH24-CABLE-01	9kHz~1GHz	01/Oct/2024	30/Sep/2025
Pre-Amplifier	Aglient	8447D	2944A06292	30MHz~1GHz	18/Apr/2024	17/Apr/2025
SENSE-15407-NII	Sporton	V5.11.18	NA	NA	NA	NA

**Instrument for Radiated Test (03CH024-HY) (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	30/Jul/2024	29/Jul/2025
Signal Analyzer	ROHDE& SCHWARZ	FSV3044	101345	10Hz~44GHz	27/Aug/2024	26/Aug/2025
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	15/Aug/2024	14/Aug/2025
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	04/Oct/2024	03/Oct/2025
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	12/Aug/2024	11/Aug/2025
Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	15/Apr/2024	14/Apr/2025
RF Cable	HUBER+ SUHNER	SUOFLEX 104	03CH24-CABLE-01	1GH~40GHz	01/Oct/2024	30/Sep/2025
SENSE-EMI	Sporton	V5.11.8	NA	NA	NA	NA



Conducted Emissions at Powerline

Appendix A

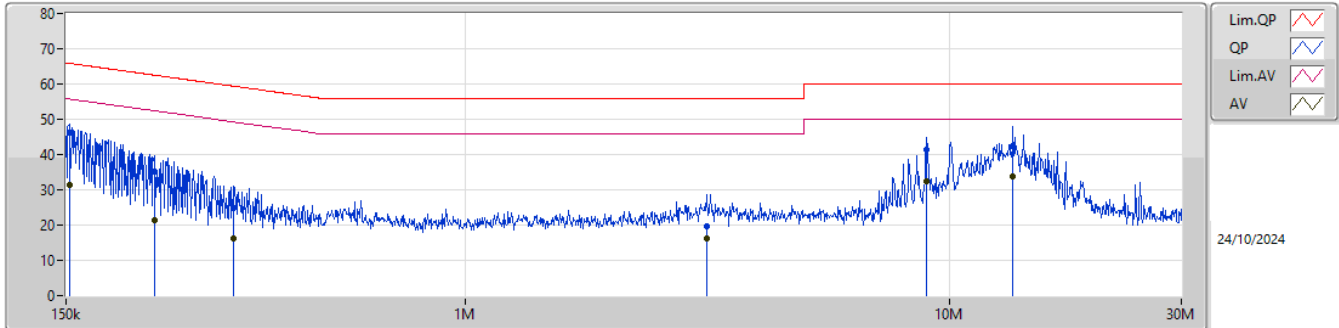
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	13.489M	33.85	50.00	-16.15	Line

Result

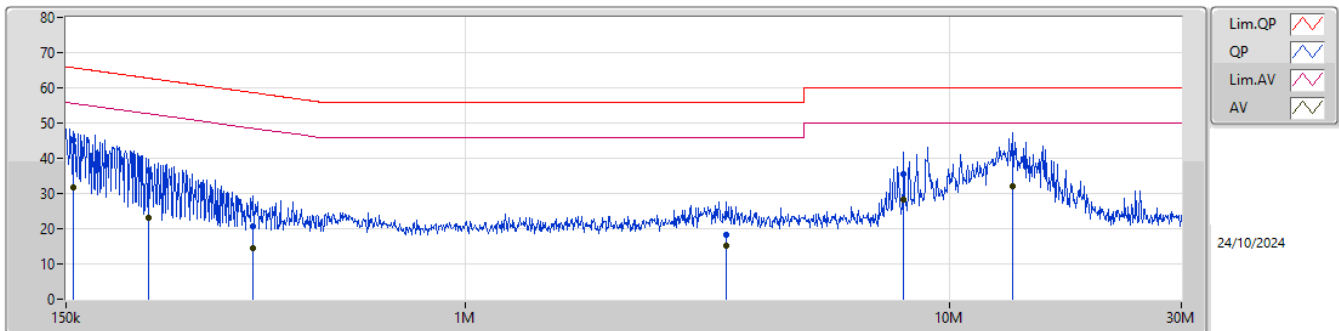
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	152.414k	46.14	65.87	-19.73	Line
Mode 1	Pass	AV	152.414k	31.36	55.87	-24.51	Line
Mode 1	Pass	QP	229.015k	35.23	62.48	-27.25	Line
Mode 1	Pass	AV	229.015k	21.35	52.48	-31.13	Line
Mode 1	Pass	QP	333.299k	24.92	59.37	-34.45	Line
Mode 1	Pass	AV	333.299k	16.05	49.37	-33.32	Line
Mode 1	Pass	QP	3.142M	19.57	56.00	-36.43	Line
Mode 1	Pass	AV	3.142M	16.08	46.00	-29.92	Line
Mode 1	Pass	QP	8.942M	41.36	60.00	-18.64	Line
Mode 1	Pass	AV	8.942M	32.55	50.00	-17.45	Line
Mode 1	Pass	QP	13.489M	42.58	60.00	-17.42	Line
Mode 1	Pass	AV	13.489M	33.85	50.00	-16.15	Line
Mode 1	Pass	QP	155.487k	45.13	65.69	-20.56	Neutral
Mode 1	Pass	AV	155.487k	31.69	55.69	-24.00	Neutral
Mode 1	Pass	QP	221.817k	36.38	62.75	-26.37	Neutral
Mode 1	Pass	AV	221.817k	22.96	52.75	-29.79	Neutral
Mode 1	Pass	QP	365.35k	20.80	58.60	-37.80	Neutral
Mode 1	Pass	AV	365.35k	14.46	48.60	-34.14	Neutral
Mode 1	Pass	QP	3.444M	18.27	56.00	-37.73	Neutral
Mode 1	Pass	AV	3.444M	15.10	46.00	-30.90	Neutral
Mode 1	Pass	QP	8.028M	35.64	60.00	-24.36	Neutral
Mode 1	Pass	AV	8.028M	28.22	50.00	-21.78	Neutral
Mode 1	Pass	QP	13.435M	41.42	60.00	-18.58	Neutral
Mode 1	Pass	AV	13.435M	31.95	50.00	-18.05	Neutral

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	152.414k	46.14	65.87	-19.73	19.70	Line	-	26.44	9.66	0.07	9.97								
AV	152.414k	31.36	55.87	-24.51	19.70	Line	-	11.66	9.66	0.07	9.97								
QP	229.015k	35.23	62.48	-27.25	19.72	Line	-	15.51	9.65	0.10	9.97								
AV	229.015k	21.35	52.48	-31.13	19.72	Line	-	1.63	9.65	0.10	9.97								
QP	333.299k	24.92	59.37	-34.45	19.74	Line	-	5.18	9.65	0.11	9.98								
AV	333.299k	16.05	49.37	-33.32	19.74	Line	-	-3.69	9.65	0.11	9.98								
QP	3.142M	19.57	56.00	-36.43	19.74	Line	-	-0.17	9.68	0.08	9.98								
AV	3.142M	16.08	46.00	-29.92	19.74	Line	-	-3.66	9.68	0.08	9.98								
QP	8.942M	41.36	60.00	-18.64	19.74	Line	-	21.62	9.71	0.05	9.98								
AV	8.942M	32.55	50.00	-17.45	19.74	Line	-	12.81	9.71	0.05	9.98								
QP	13.489M	42.58	60.00	-17.42	19.76	Line	-	22.82	9.70	0.08	9.98								
AV	13.489M	33.85	50.00	-16.15	19.76	Line	-	14.09	9.70	0.08	9.98								

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)								
QP	155.487k	45.13	65.69	-20.56	19.64	Neutral	-	25.49	9.60	0.07	9.97								
AV	155.487k	31.69	55.69	-24.00	19.64	Neutral	-	12.05	9.60	0.07	9.97								
QP	221.817k	36.38	62.75	-26.37	19.66	Neutral	-	16.72	9.60	0.09	9.97								
AV	221.817k	22.96	52.75	-29.79	19.66	Neutral	-	3.30	9.60	0.09	9.97								
QP	365.35k	20.80	58.60	-37.80	19.70	Neutral	-	1.10	9.60	0.12	9.98								
AV	365.35k	14.46	48.60	-34.14	19.70	Neutral	-	-5.24	9.60	0.12	9.98								
QP	3.444M	18.27	56.00	-37.73	19.68	Neutral	-	-1.41	9.62	0.08	9.98								
AV	3.444M	15.10	46.00	-30.90	19.68	Neutral	-	-4.58	9.62	0.08	9.98								
QP	8.028M	35.64	60.00	-24.36	19.68	Neutral	-	15.96	9.65	0.05	9.98								
AV	8.028M	28.22	50.00	-21.78	19.68	Neutral	-	8.54	9.65	0.05	9.98								
QP	13.435M	41.42	60.00	-18.58	19.72	Neutral	-	21.70	9.66	0.08	9.98								
AV	13.435M	31.95	50.00	-18.05	19.72	Neutral	-	12.23	9.66	0.08	9.98								

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	21.505M	16.844M	16M8D1D	21.12M	16.756M
802.11be EHT20_Nss1,(MCS0)_1TX	22.935M	19.115M	19M1D1D	21.175M	19.04M
802.11be EHT40_Nss1,(MCS0)_1TX	47.74M	37.781M	37M8D1D	41.91M	37.731M
802.11be EHT80_Nss1,(MCS0)_1TX	80.3M	77.061M	77M1D1D	80.3M	77.061M
802.11be EHT160_Nss1,(MCS0)_1TX	80.24M	77.401M	77M4D1D	80.24M	77.401M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.11M	17.041M	17M0D1D	21.175M	16.69M
802.11be EHT20_Nss1,(MCS0)_1TX	23.98M	19.165M	19M2D1D	22.165M	19.04M
802.11be EHT40_Nss1,(MCS0)_1TX	51.04M	37.881M	37M9D1D	44.22M	37.781M
802.11be EHT80_Nss1,(MCS0)_1TX	89.54M	77.061M	77M1D1D	89.54M	77.061M
802.11be EHT160_Nss1,(MCS0)_1TX	79.84M	77.081M	77M1D1D	79.84M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.87M	16.932M	16M9D1D	18.765M	13.343M
802.11be EHT20_Nss1,(MCS0)_1TX	22.33M	19.09M	19M1D1D	20.955M	14.603M
802.11be EHT40_Nss1,(MCS0)_1TX	44.44M	37.881M	37M9D1D	41.69M	33.723M
802.11be EHT80_Nss1,(MCS0)_1TX	80.96M	77.361M	77M4D1D	75.825M	73.163M
802.11be EHT160_Nss1,(MCS0)_1TX	159.72M	156.122M	156MD1D	159.72M	156.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.555M	17.019M	17M0D1D	3.24M	5.157M
802.11be EHT20_Nss1,(MCS0)_1TX	19.14M	19.165M	19M2D1D	4.58M	9.435M
802.11be EHT40_Nss1,(MCS0)_1TX	38.06M	37.831M	37M8D1D	3.92M	12.874M
802.11be EHT80_Nss1,(MCS0)_1TX	77.44M	77.361M	77M4D1D	4.06M	19.17M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.12M	16.756M
5200MHz	Pass	Inf	21.505M	16.844M
5240MHz	Pass	Inf	21.34M	16.8M
5260MHz	Pass	Inf	21.175M	16.69M
5300MHz	Pass	Inf	22.11M	16.69M
5320MHz	Pass	Inf	21.34M	17.041M
5500MHz	Pass	Inf	23.87M	16.822M
5580MHz	Pass	Inf	21.065M	16.712M
5700MHz	Pass	Inf	20.35M	16.932M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.765M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	5.157M
5745MHz	Pass	500k	16.5M	17.019M
5785MHz	Pass	500k	16.445M	16.778M
5825MHz	Pass	500k	16.555M	16.646M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	22.935M	19.09M
5200MHz	Pass	Inf	22.385M	19.115M
5240MHz	Pass	Inf	21.175M	19.04M
5260MHz	Pass	Inf	22.165M	19.165M
5300MHz	Pass	Inf	23.98M	19.04M
5320MHz	Pass	Inf	22.165M	19.065M
5500MHz	Pass	Inf	22.33M	19.09M
5580MHz	Pass	Inf	21.34M	19.065M
5700MHz	Pass	Inf	20.955M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	21.315M	14.603M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.58M	9.435M
5745MHz	Pass	500k	19.14M	19.165M
5785MHz	Pass	500k	19.14M	19.165M
5825MHz	Pass	500k	19.03M	19.09M
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.91M	37.731M
5230MHz	Pass	Inf	47.74M	37.781M
5270MHz	Pass	Inf	44.22M	37.781M
5310MHz	Pass	Inf	51.04M	37.881M
5510MHz	Pass	Inf	42.46M	37.881M
5550MHz	Pass	Inf	41.69M	37.831M
5670MHz	Pass	Inf	44.44M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	43.715M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	12.874M
5755MHz	Pass	500k	37.84M	37.831M
5795MHz	Pass	500k	38.06M	37.831M
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	80.3M	77.061M
5290MHz	Pass	Inf	89.54M	77.061M
5530MHz	Pass	Inf	80.96M	77.361M
5610MHz	Pass	Inf	79.86M	77.261M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.825M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	19.17M
5775MHz	Pass	500k	77.44M	77.361M
802.11be EHT160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.24M	77.401M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	79.84M	77.081M
5570MHz	Pass	Inf	159.72M	156.122M

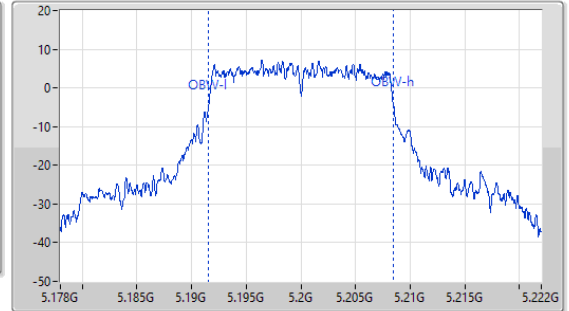
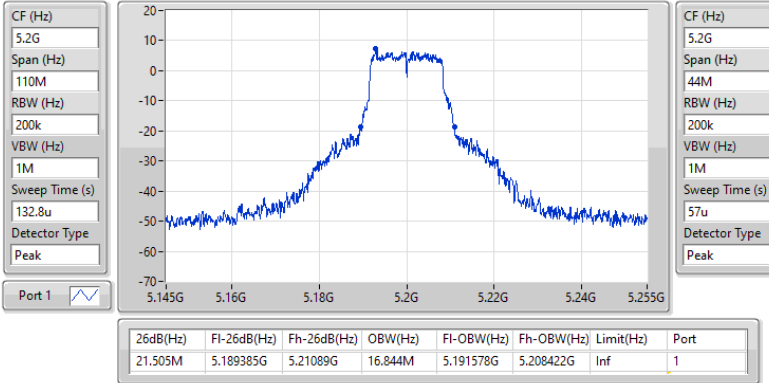
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5200MHz

19/10/2024

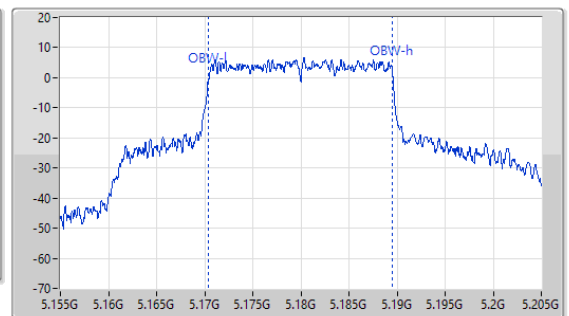
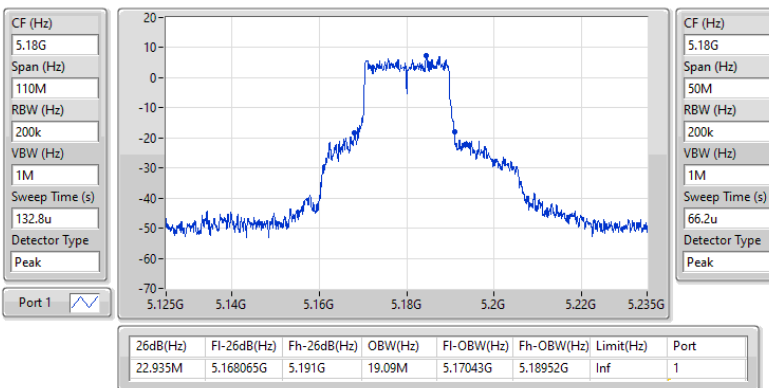


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

19/10/2024

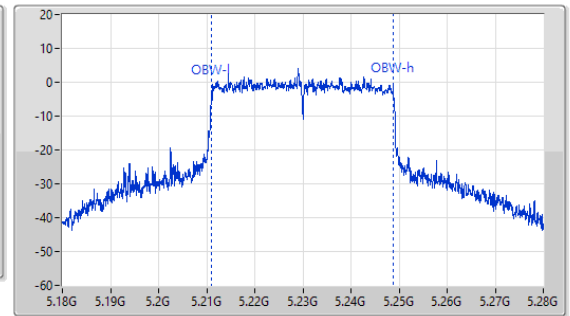
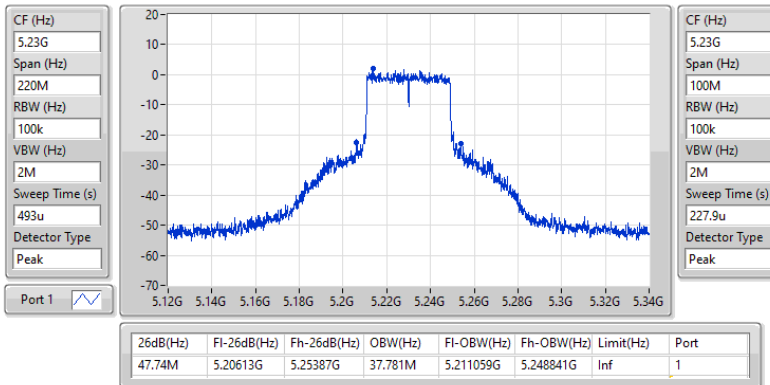


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

19/10/2024

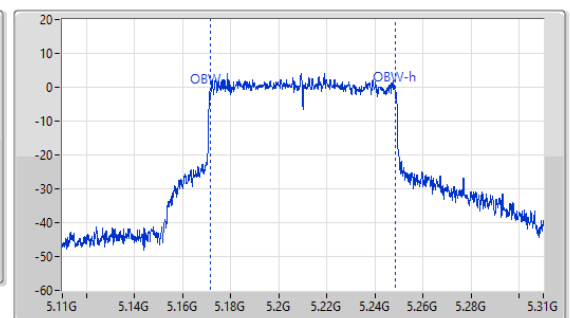
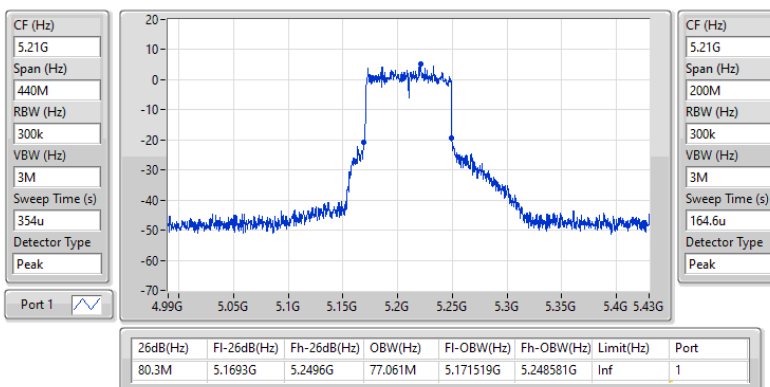


5.15-5.25GHz 802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

19/10/2024

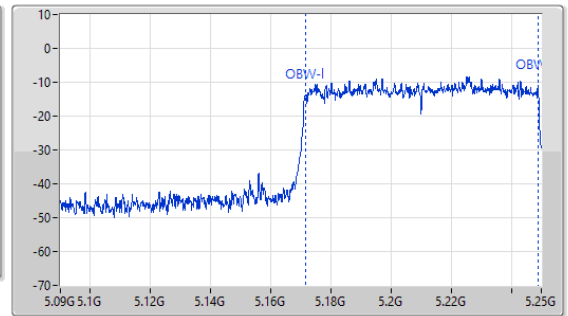
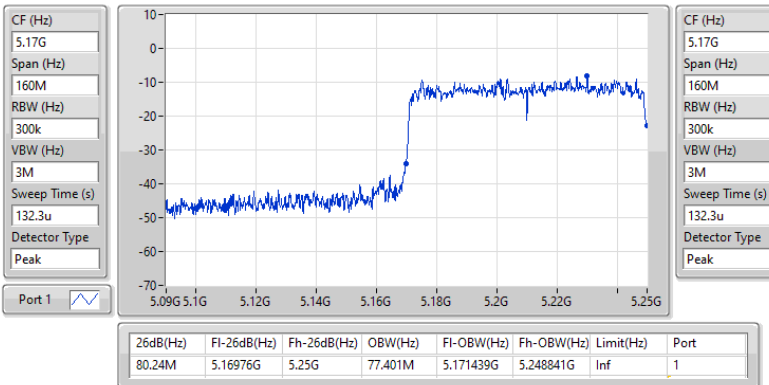


5.15-5.25GHz 802.11be EHT160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

19/10/2024

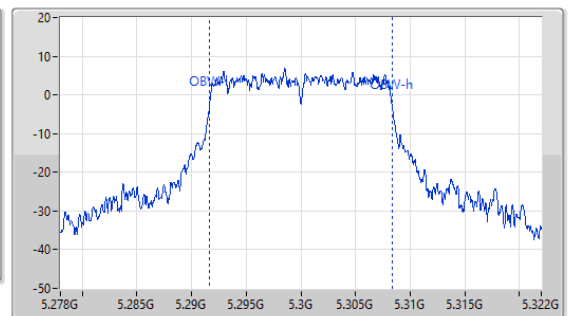
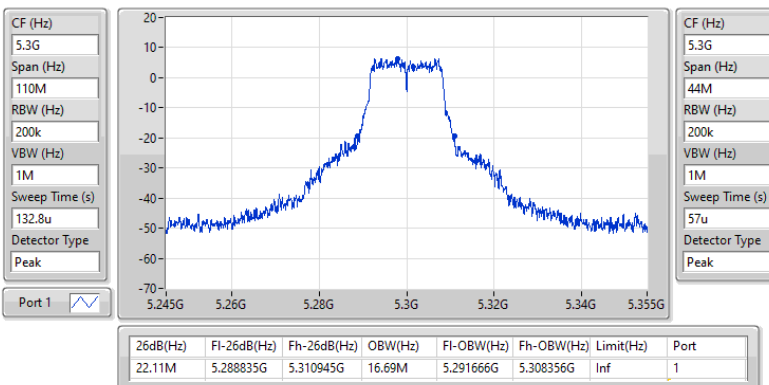


5.25-5.35GHz 802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

19/10/2024

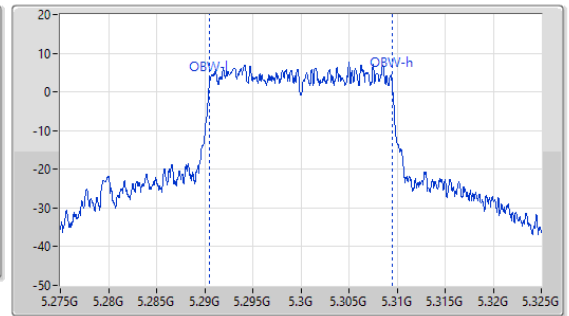
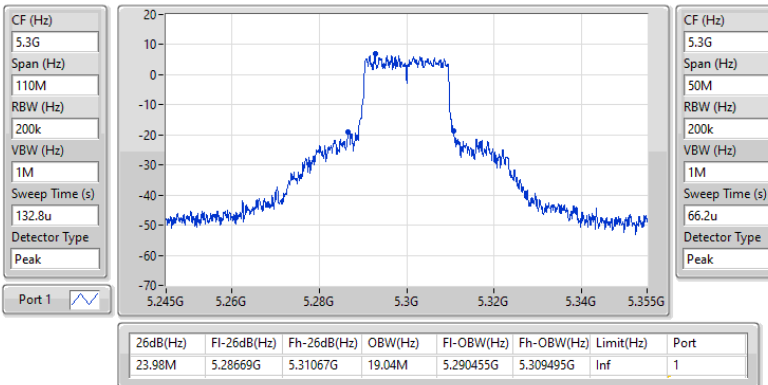


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5300MHz

19/10/2024

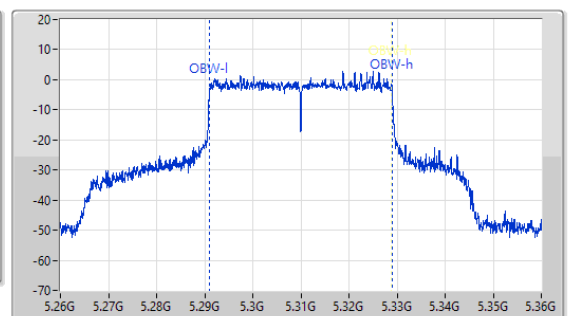
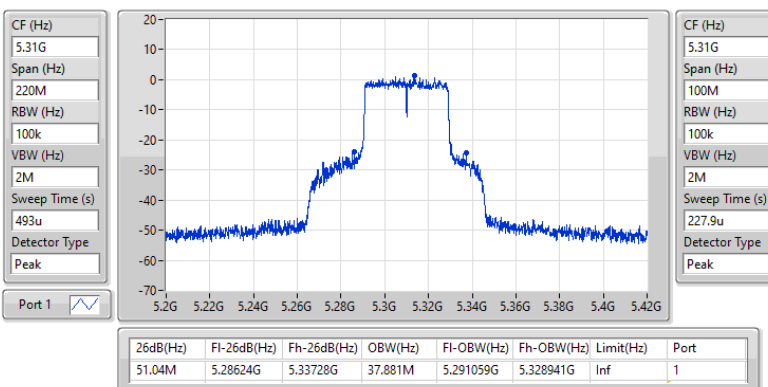


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5310MHz

19/10/2024

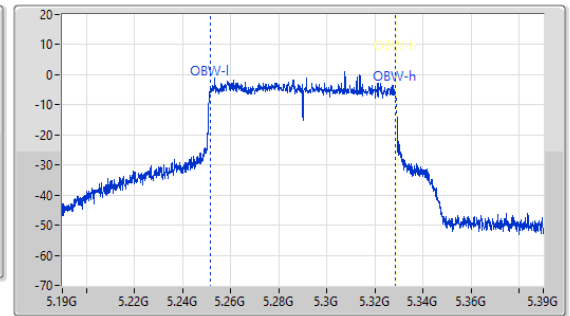
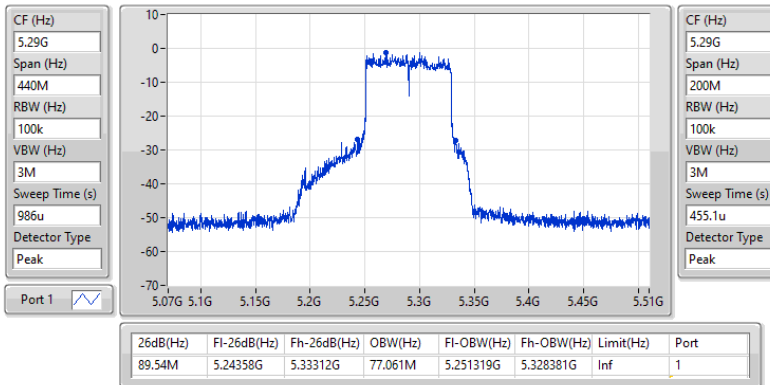


5.25-5.35GHz 802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5290MHz

19/10/2024

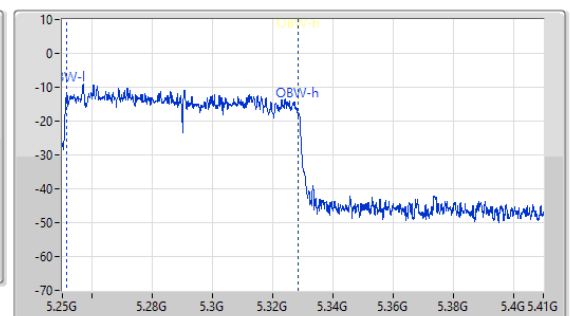
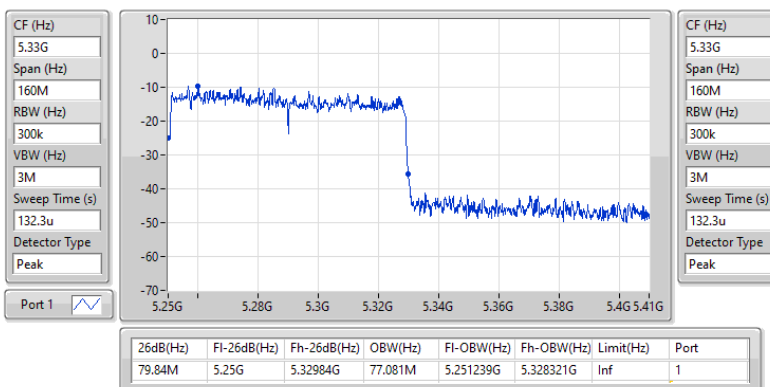


5.25-5.35GHz 802.11be EHT160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

19/10/2024

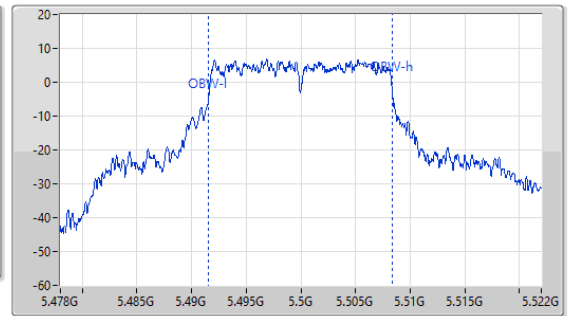
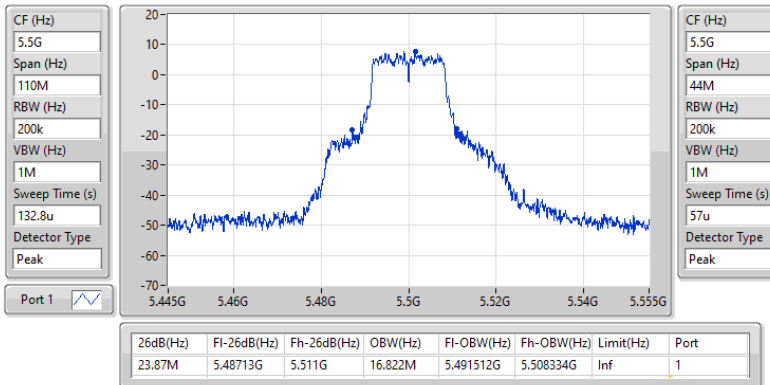


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5500MHz

19/10/2024

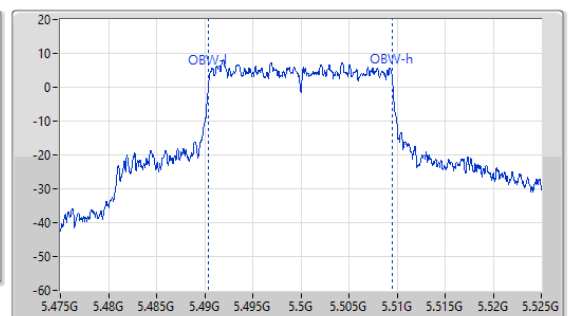
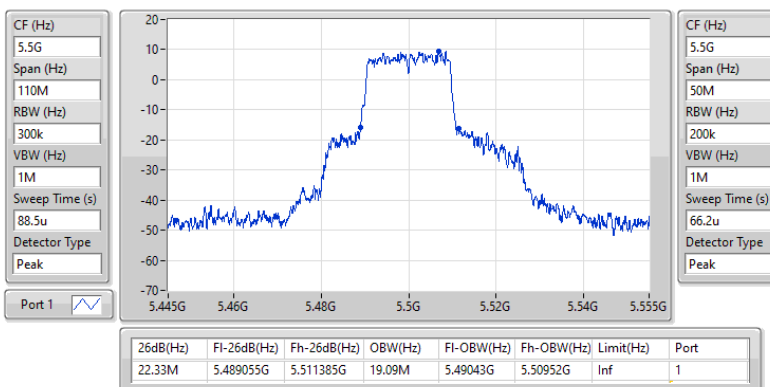


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5500MHz

19/10/2024

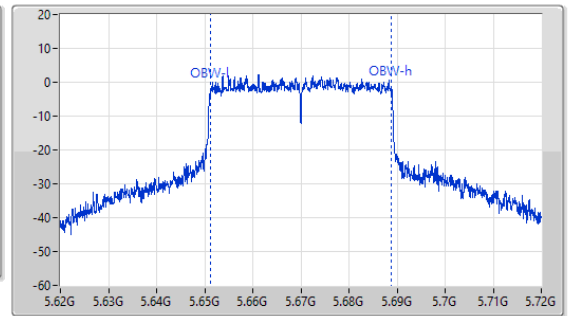
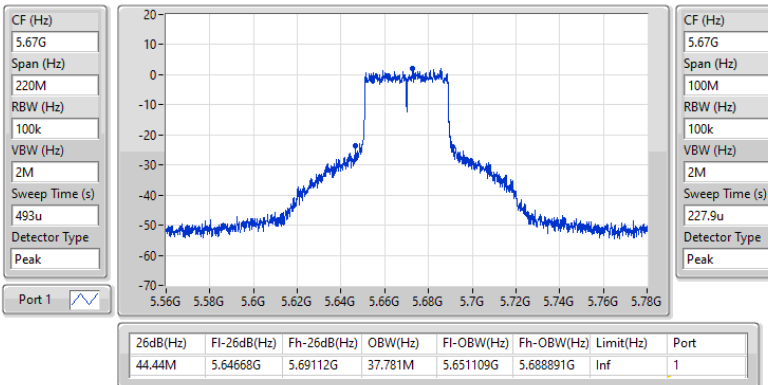


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5670MHz

19/10/2024

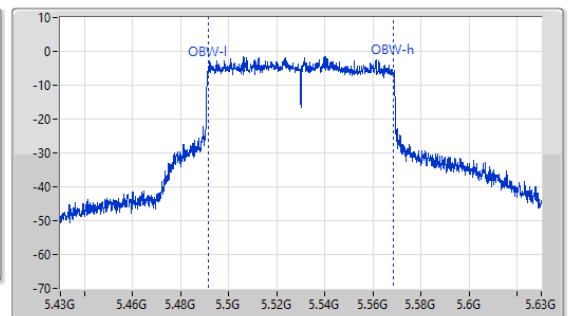
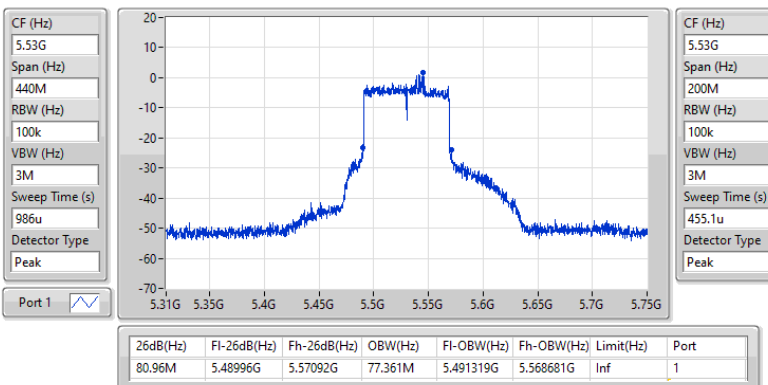


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5530MHz

19/10/2024

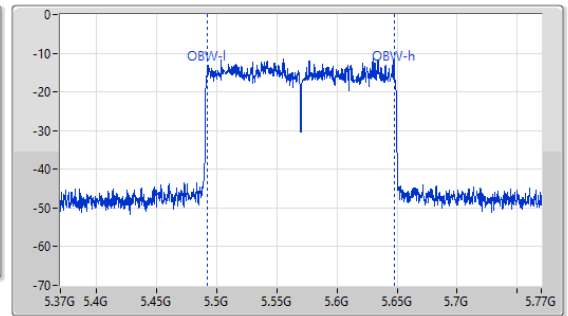
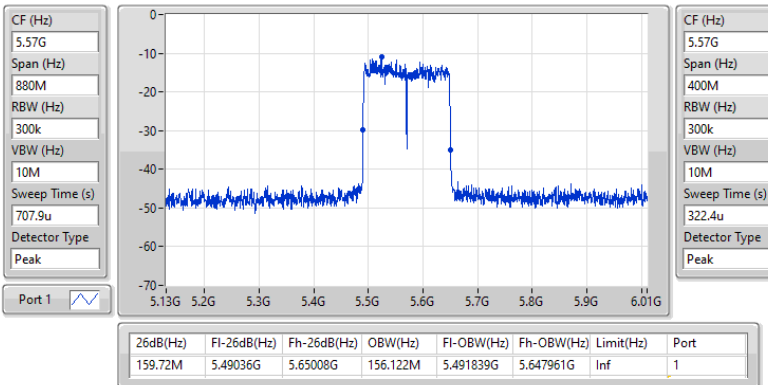


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_1TX

EBW

5570MHz

19/10/2024

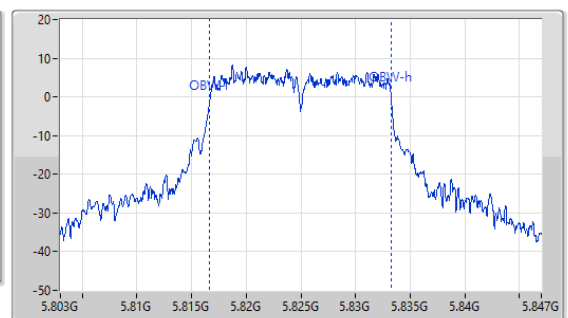
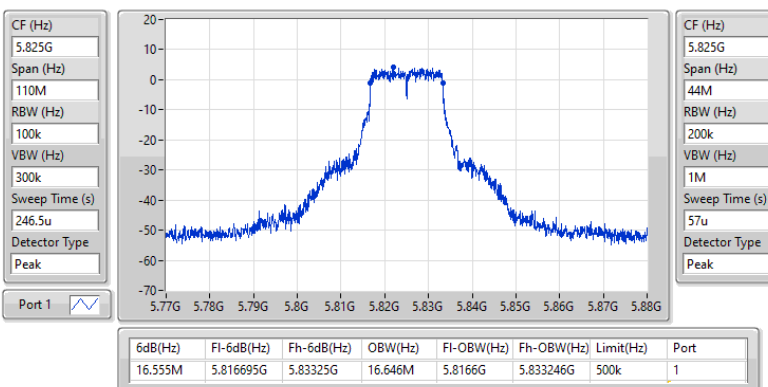


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

19/10/2024

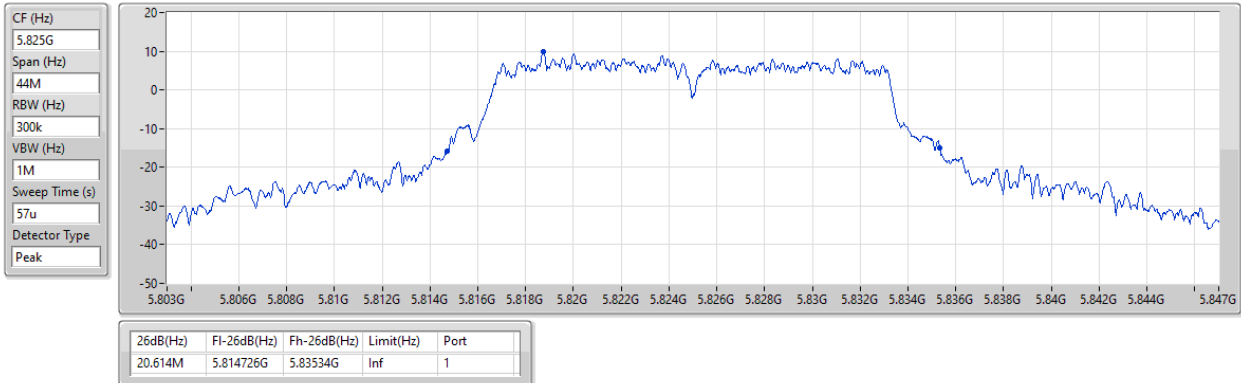


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

19/10/2024

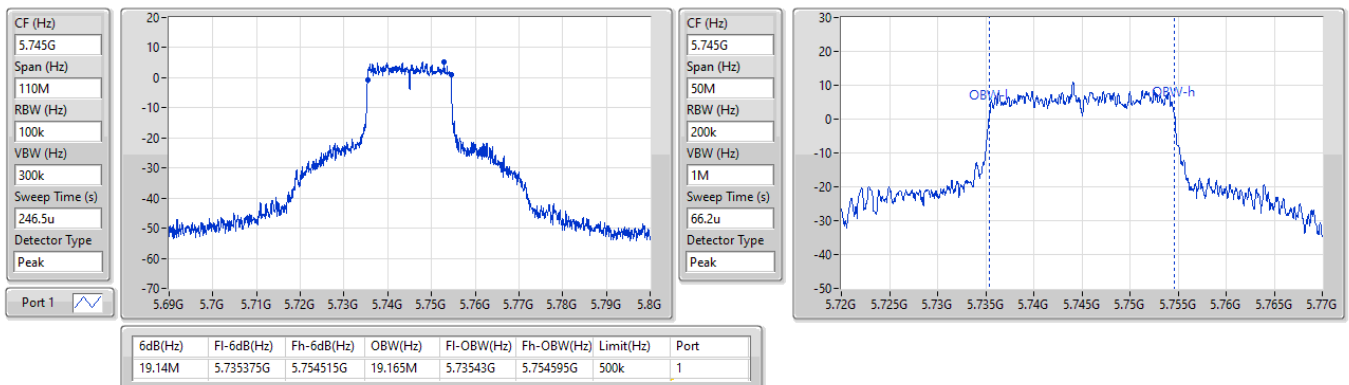


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

19/10/2024

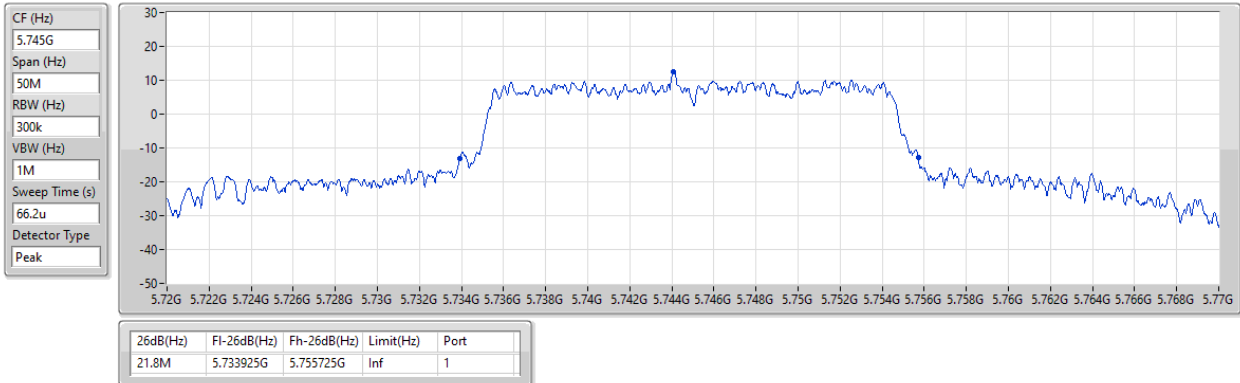


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

19/10/2024

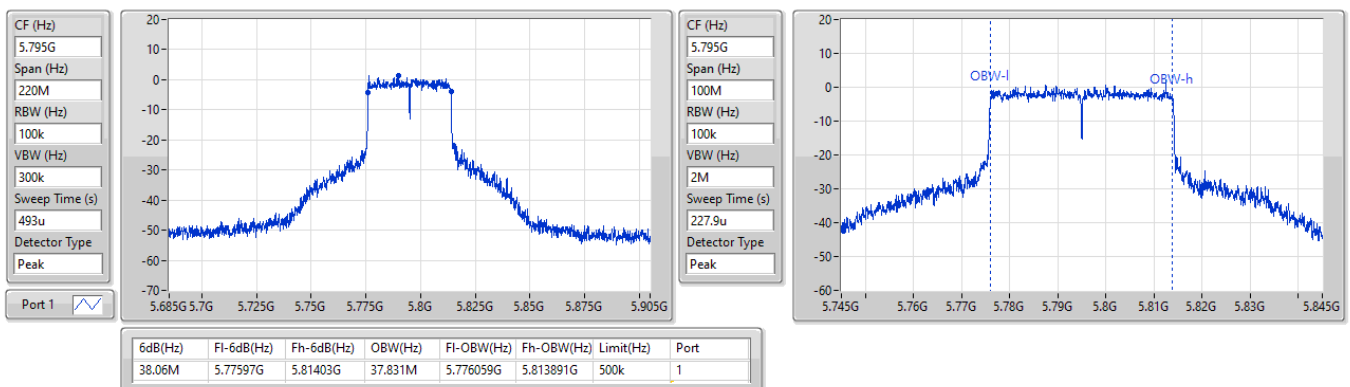


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

19/10/2024



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

EBW

5795MHz

19/10/2024

CF (Hz)
5.795G

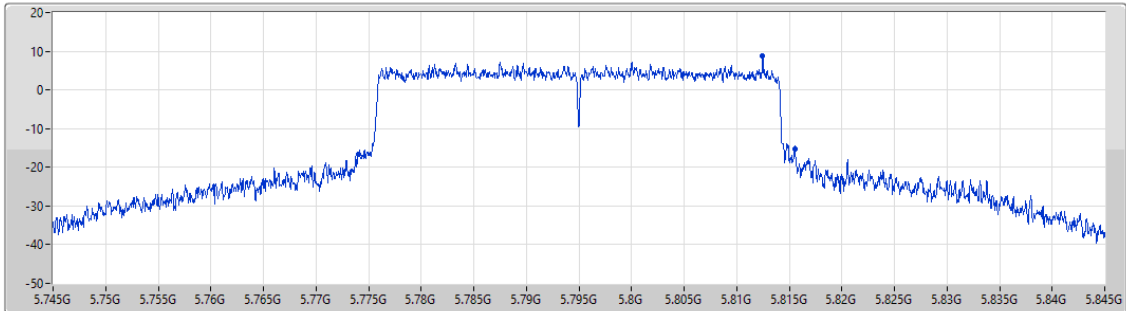
Span (Hz)
100M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
227.9u

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
41.55M	5.77405G	5.8156G	Inf	1

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

19/10/2024

CF (Hz)
5.775G

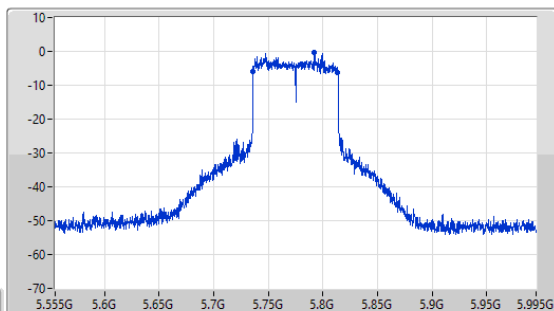
Span (Hz)
440M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
986u

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
77.44M	5.73606G	5.8135G	77.361M	5.736219G	5.813581G	500k	1

CF (Hz)
5.775G

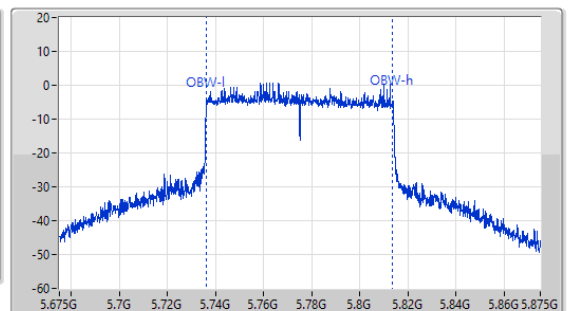
Span (Hz)
200M

RBW (Hz)
100k

VBW (Hz)
3M

Sweep Time (s)
455.1u

Detector Type
Peak





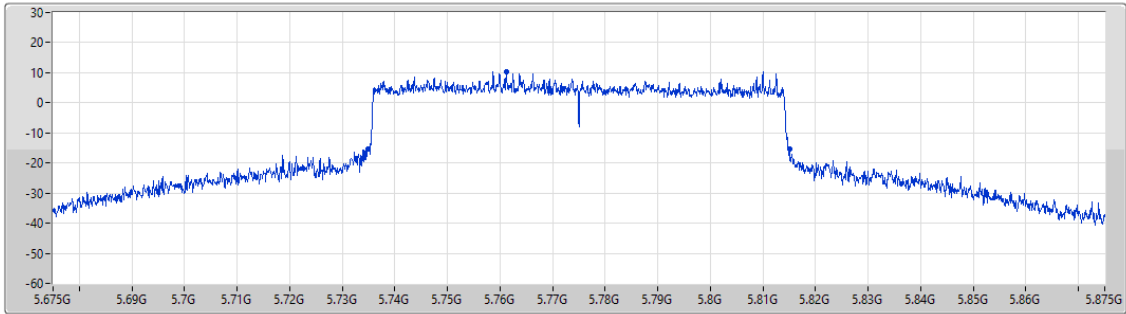
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

19/10/2024

CF (Hz)
5.775G
Span (Hz)
200M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
455.1u
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
80.2M	5.7348G	5.815G	Inf	1

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)_2TX	24.915M	16.954M	17M0D1D	21.835M	16.712M
802.11be EHT20_Nss1,(MCS0)_2TX	24.97M	19.315M	19M3D1D	22.055M	19.04M
802.11be EHT40_Nss1,(MCS0)_2TX	41.58M	37.831M	37M8D1D	40.26M	37.731M
802.11be EHT80_Nss1,(MCS0)_2TX	81.4M	77.261M	77M3D1D	80.3M	77.161M
802.11be EHT160_Nss1,(MCS0)_2TX	79.44M	77.321M	77M3D1D	79.36M	77.321M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.87M	17.283M	17M3D1D	21.065M	16.712M
802.11be EHT20_Nss1,(MCS0)_2TX	24.75M	19.215M	19M2D1D	21.395M	19.015M
802.11be EHT40_Nss1,(MCS0)_2TX	48.18M	37.831M	37M8D1D	42.13M	37.731M
802.11be EHT80_Nss1,(MCS0)_2TX	88M	77.361M	77M4D1D	84.7M	77.161M
802.11be EHT160_Nss1,(MCS0)_2TX	80.56M	77.401M	77M4D1D	79.68M	77.081M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	22.88M	17.129M	17M1D1D	16.71M	13.598M
802.11be EHT20_Nss1,(MCS0)_2TX	24.64M	19.165M	19M2D1D	16.545M	14.528M
802.11be EHT40_Nss1,(MCS0)_2TX	53.02M	37.881M	37M9D1D	35.07M	33.828M
802.11be EHT80_Nss1,(MCS0)_2TX	94.38M	77.361M	77M4D1D	75.3M	73.088M
802.11be EHT160_Nss1,(MCS0)_2TX	160.6M	156.522M	157MD1D	160.16M	156.122M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	17.217M	17M2D1D	3.24M	5.077M
802.11be EHT20_Nss1,(MCS0)_2TX	19.14M	19.265M	19M3D1D	4.54M	5.917M
802.11be EHT40_Nss1,(MCS0)_2TX	38.28M	37.831M	37M8D1D	4.04M	10.995M
802.11be EHT80_Nss1,(MCS0)_2TX	77.44M	77.361M	77M4D1D	4.02M	16.532M

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.945M	16.954M	24.64M	16.91M
5200MHz	Pass	Inf	21.835M	16.756M	22.55M	16.712M
5240MHz	Pass	Inf	24.915M	16.8M	22.33M	16.734M
5260MHz	Pass	Inf	21.78M	16.756M	22.055M	16.712M
5300MHz	Pass	Inf	21.89M	16.866M	23.87M	17.041M
5320MHz	Pass	Inf	21.835M	17.283M	21.065M	17.041M
5500MHz	Pass	Inf	22.165M	17.041M	22.22M	16.8M
5580MHz	Pass	Inf	21.34M	16.866M	22.88M	17.129M
5700MHz	Pass	Inf	20.24M	16.58M	20.405M	16.624M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.71M	13.628M	16.785M	13.598M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	5.077M	3.24M	5.297M
5745MHz	Pass	500k	16.555M	17.217M	16.445M	17.151M
5785MHz	Pass	500k	16.445M	16.866M	16.5M	17.085M
5825MHz	Pass	500k	16.555M	16.778M	16.335M	16.734M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.88M	19.315M	23.87M	19.065M
5200MHz	Pass	Inf	22.055M	19.04M	24.42M	19.115M
5240MHz	Pass	Inf	22.77M	19.04M	24.97M	19.09M
5260MHz	Pass	Inf	21.45M	19.04M	21.395M	19.015M
5300MHz	Pass	Inf	23.925M	19.09M	23.485M	19.19M
5320MHz	Pass	Inf	21.835M	19.09M	24.75M	19.215M
5500MHz	Pass	Inf	24.64M	18.966M	24.365M	19.165M
5580MHz	Pass	Inf	21.89M	19.04M	23.595M	19.015M
5700MHz	Pass	Inf	20.845M	18.966M	21.45M	18.966M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.775M	14.528M	16.545M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	5.917M	4.58M	7.556M
5745MHz	Pass	500k	18.7M	19.265M	18.04M	19.115M
5785MHz	Pass	500k	19.085M	19.115M	19.085M	19.065M
5825MHz	Pass	500k	19.085M	19.115M	19.14M	19.015M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.7M	37.831M	40.26M	37.781M
5230MHz	Pass	Inf	41.58M	37.731M	40.81M	37.731M
5270MHz	Pass	Inf	44.77M	37.781M	48.18M	37.781M
5310MHz	Pass	Inf	42.13M	37.731M	45.21M	37.831M
5510MHz	Pass	Inf	46.97M	37.881M	53.02M	37.881M
5550MHz	Pass	Inf	48.84M	37.731M	46.64M	37.781M
5670MHz	Pass	Inf	41.03M	37.731M	44.44M	37.831M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	43.82M	33.898M	35.07M	33.828M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	10.995M	4.12M	11.274M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5755MHz	Pass	500k	38.06M	37.731M	37.51M	37.831M
5795MHz	Pass	500k	37.4M	37.731M	38.28M	37.731M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	77.261M	80.3M	77.161M
5290MHz	Pass	Inf	88M	77.161M	84.7M	77.361M
5530MHz	Pass	Inf	94.38M	77.261M	86.02M	77.161M
5610MHz	Pass	Inf	84.04M	77.261M	83.6M	77.361M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.3M	73.313M	75.45M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	16.532M	4.04M	18.811M
5775MHz	Pass	500k	77.44M	77.361M	71.28M	77.361M
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	79.44M	77.321M	79.36M	77.321M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.56M	77.081M	79.68M	77.401M
5570MHz	Pass	Inf	160.6M	156.522M	160.16M	156.122M

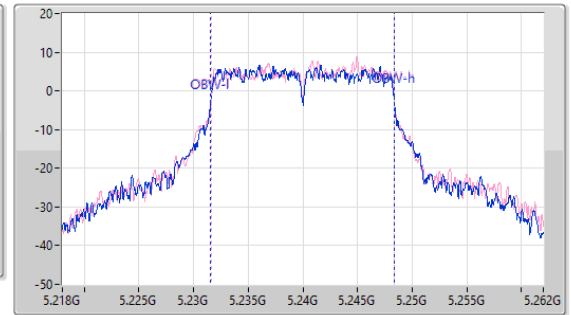
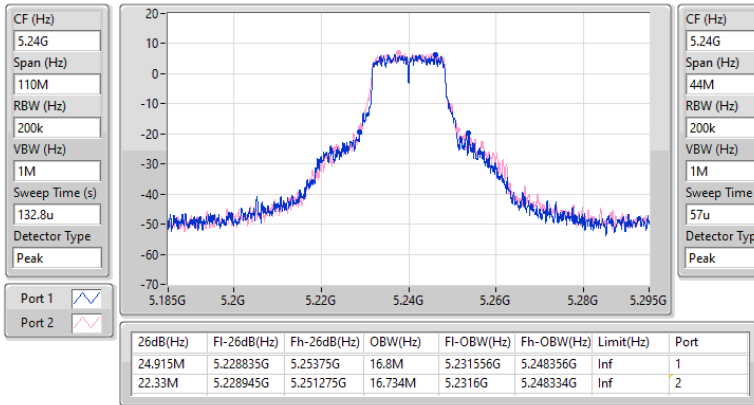
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

19/10/2024

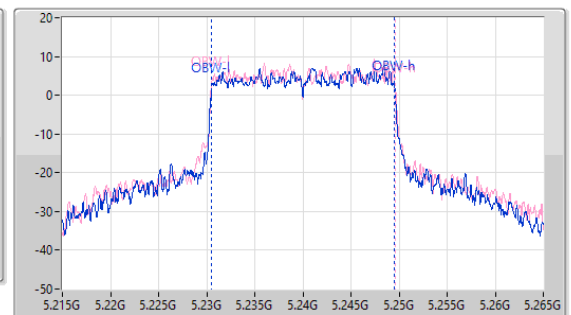
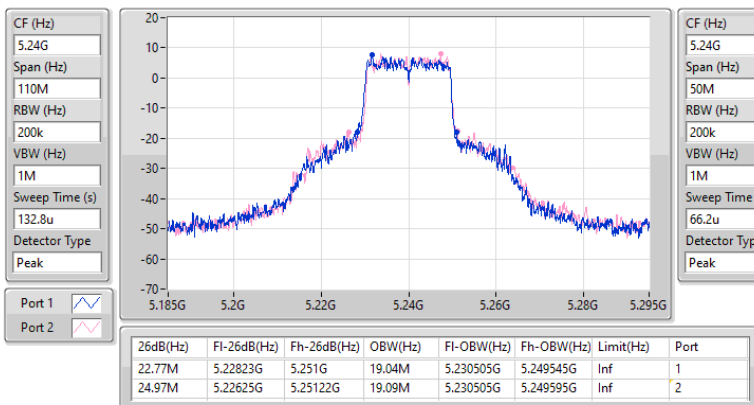


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

19/10/2024

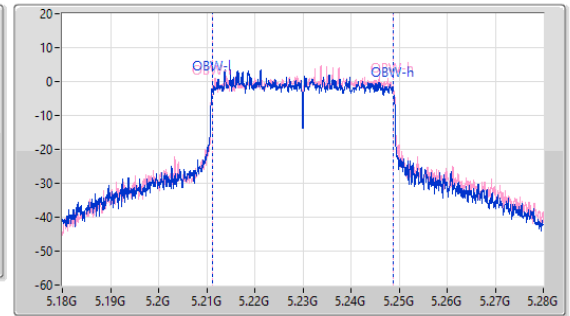
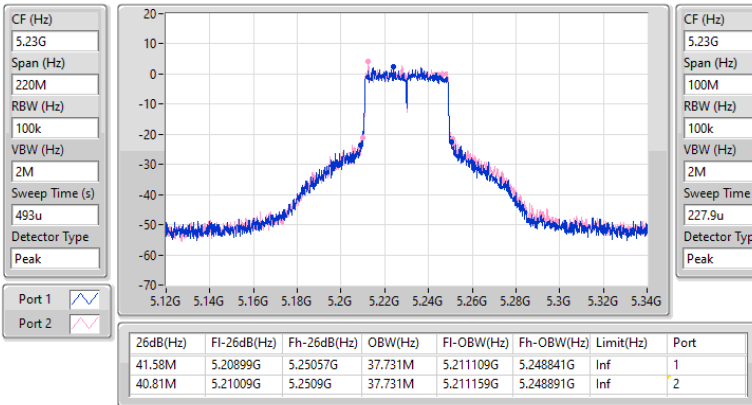


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

19/10/2024

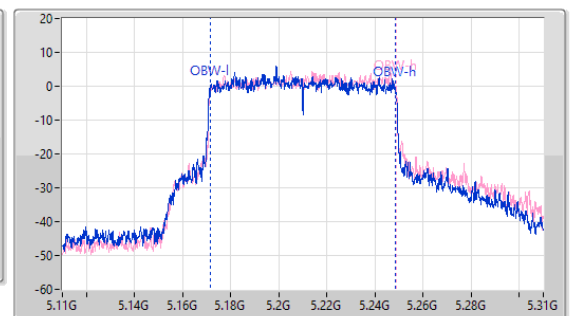
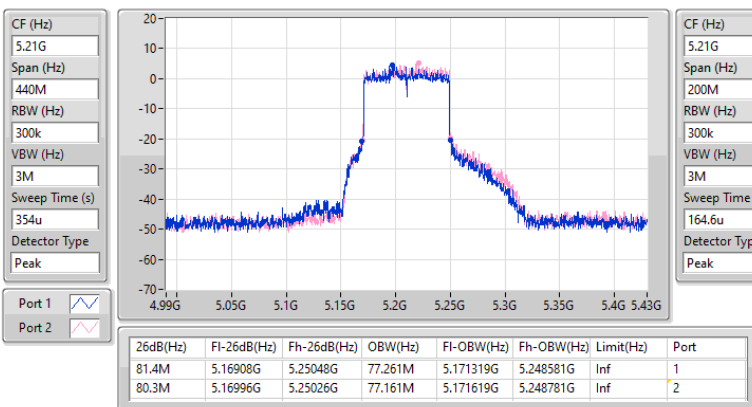


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

19/10/2024

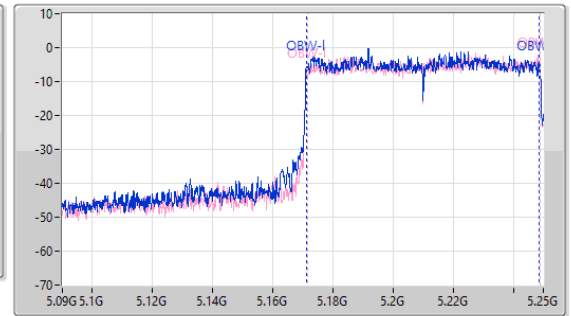
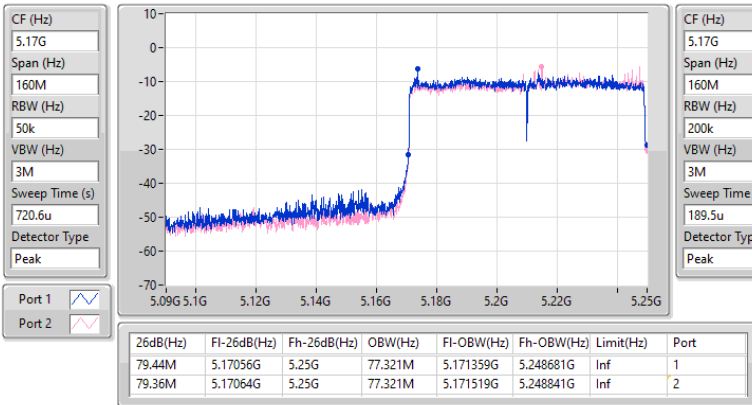


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

19/10/2024

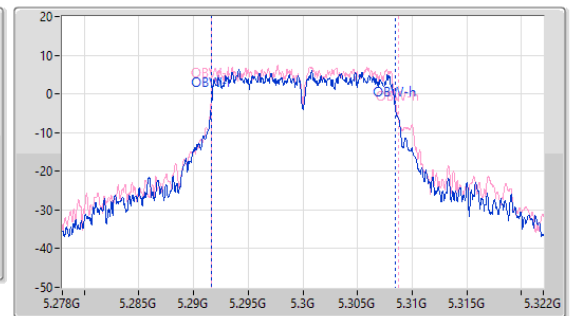
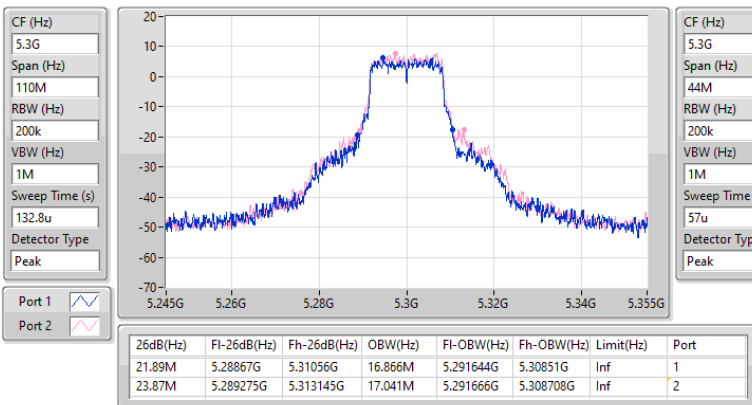


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

19/10/2024

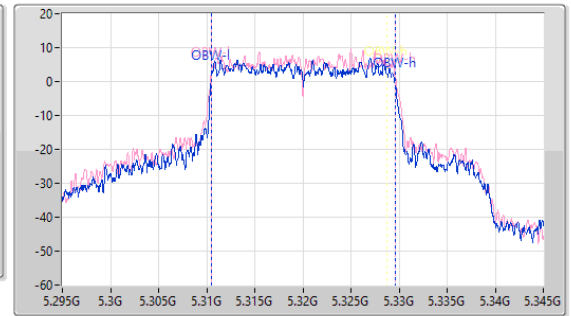
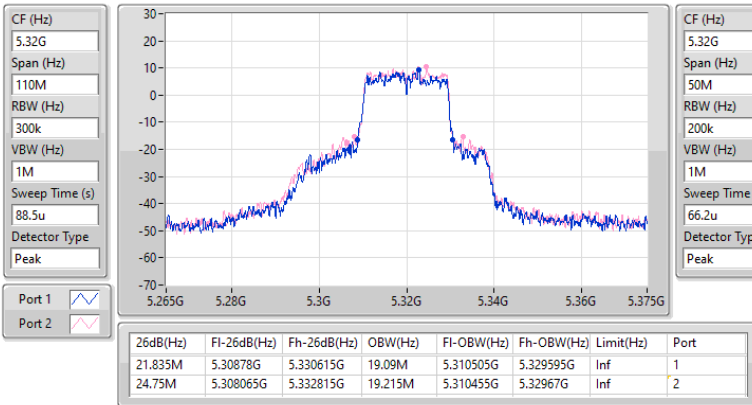


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

19/10/2024

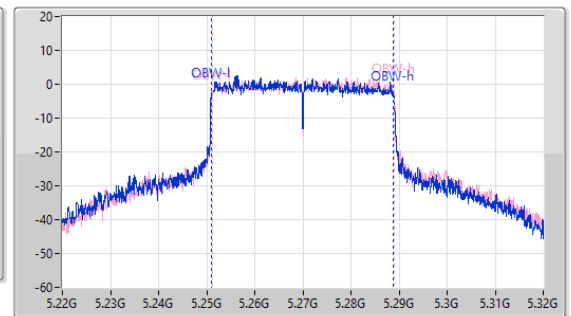
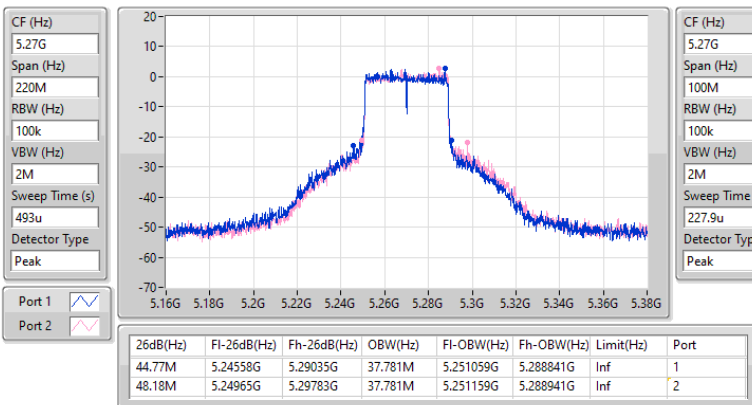


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

19/10/2024

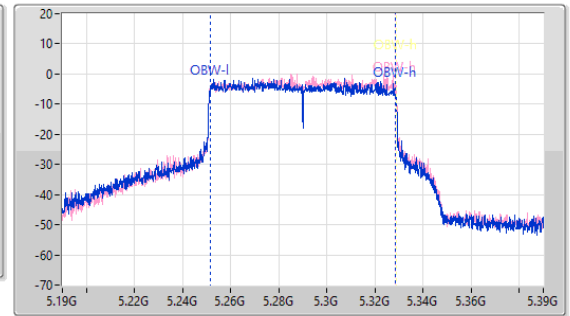
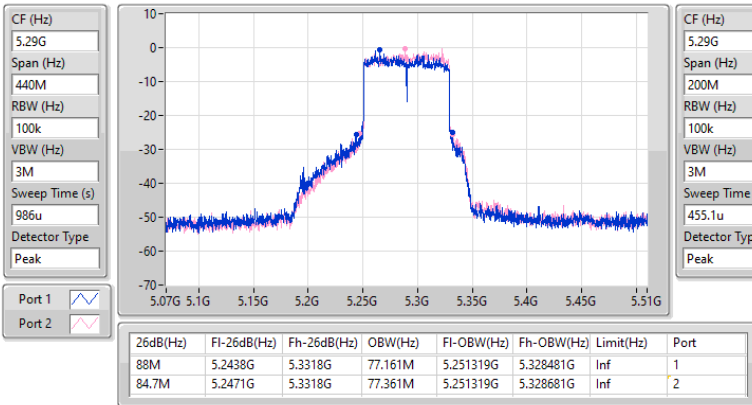


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

19/10/2024

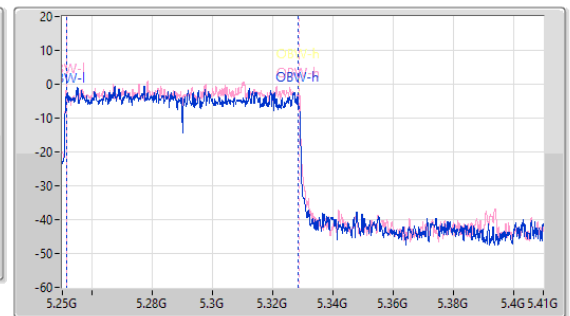
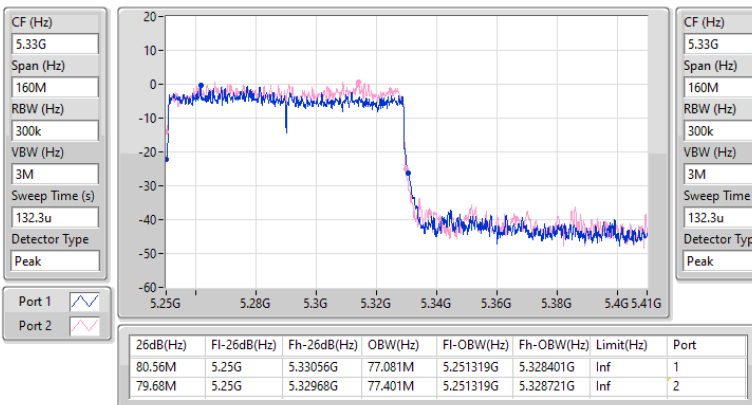


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

19/10/2024

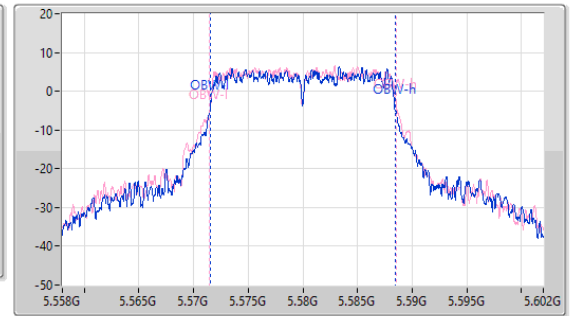
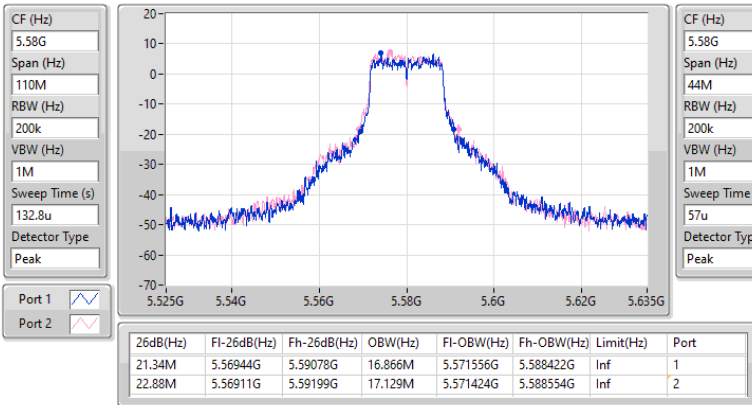


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

19/10/2024

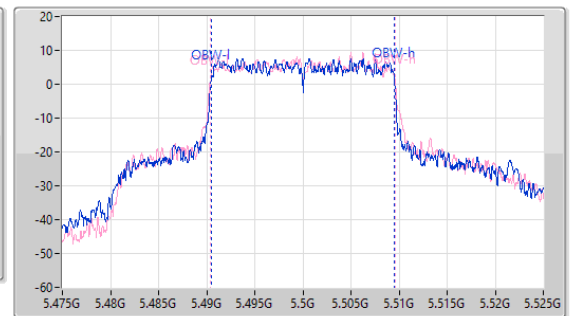
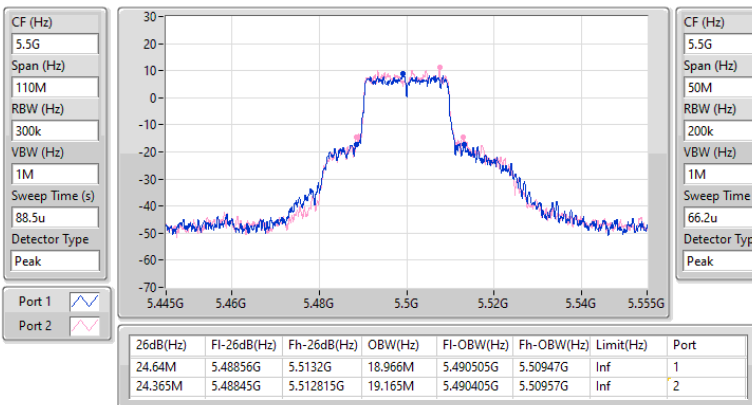


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

19/10/2024

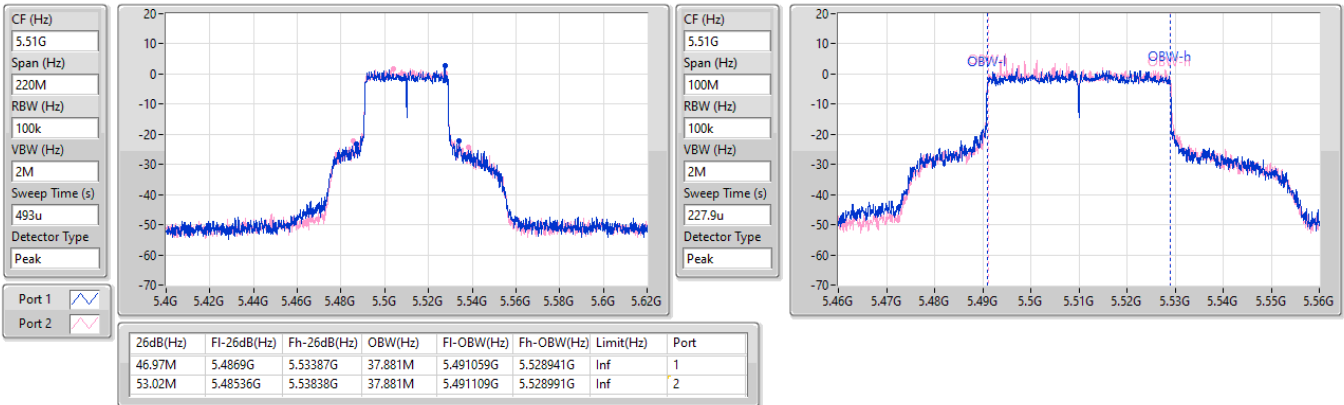


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

19/10/2024

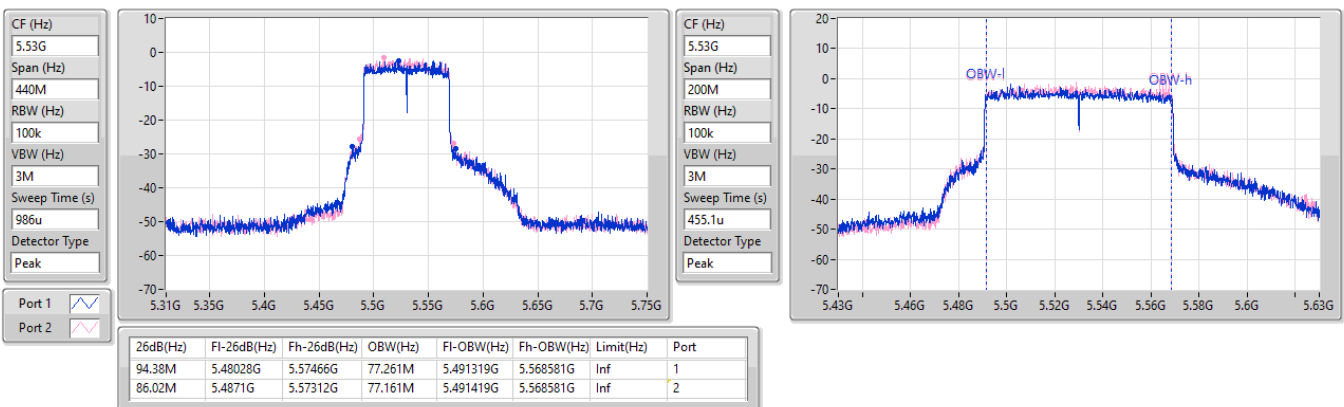


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

19/10/2024

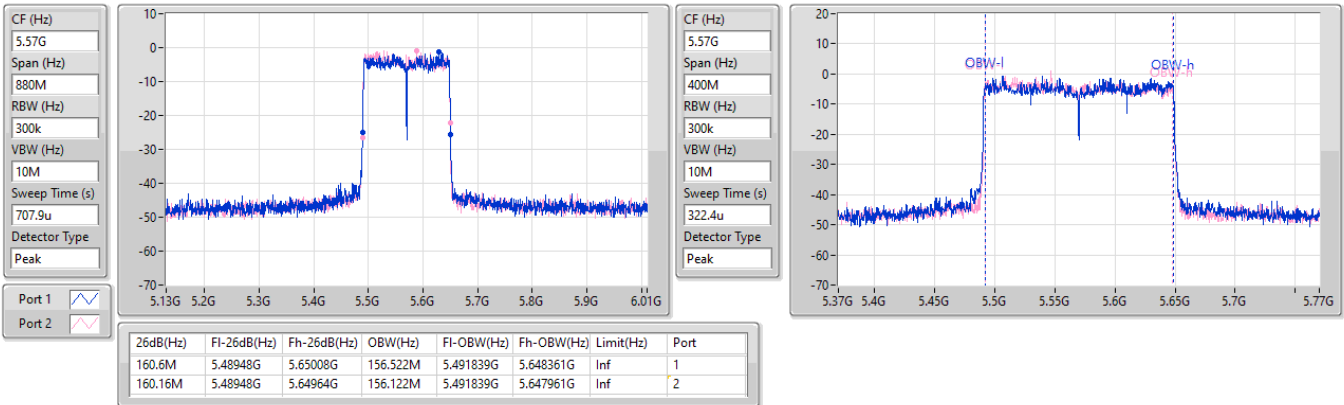


5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

EBW

5570MHz

19/10/2024

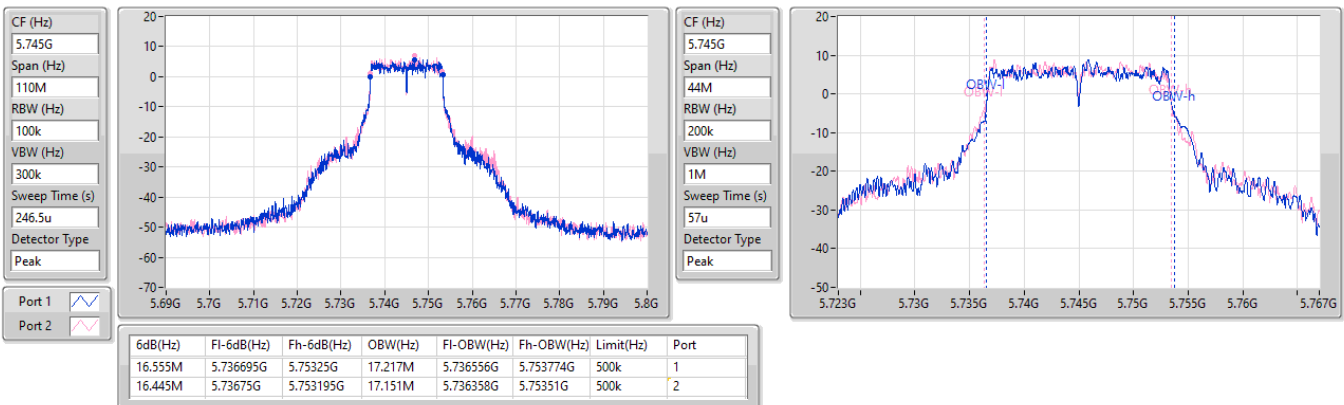


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

19/10/2024

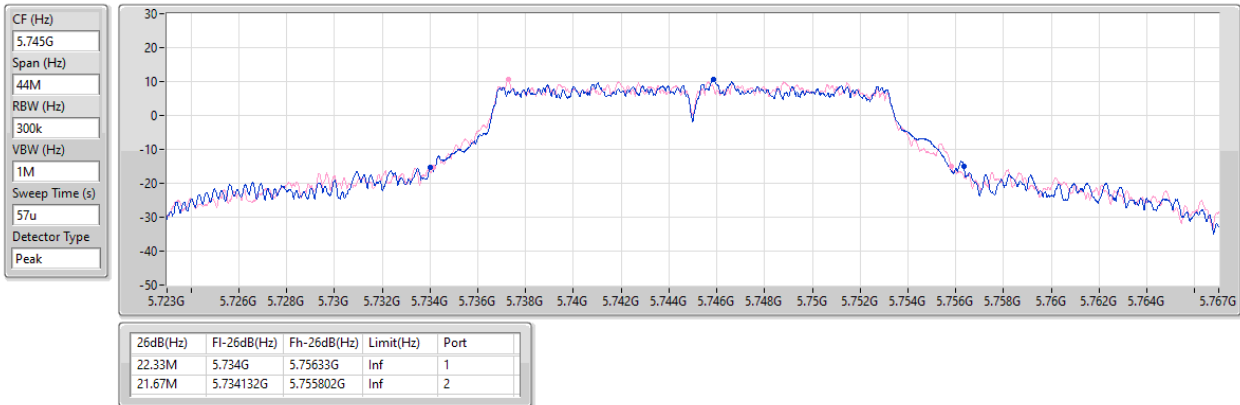


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

19/10/2024

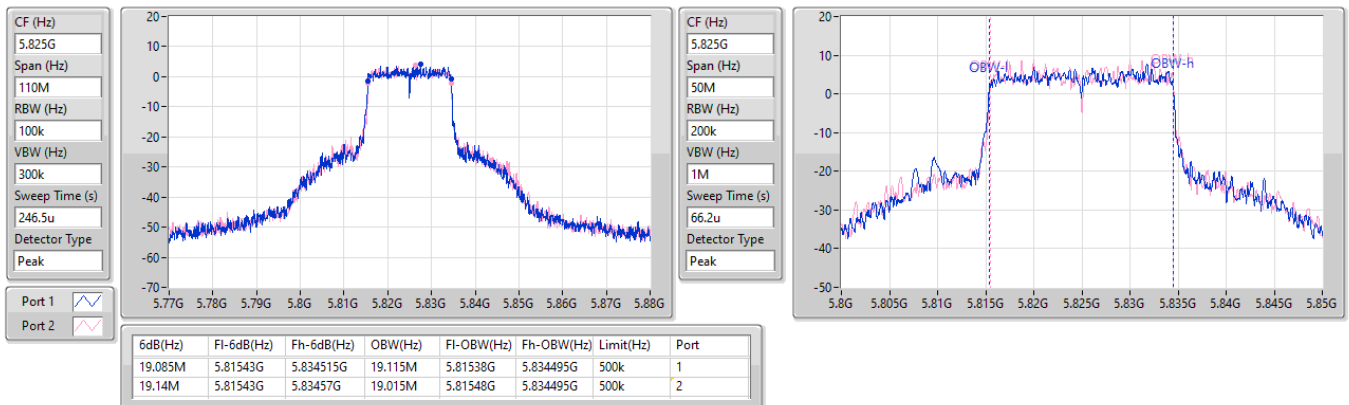


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

19/10/2024

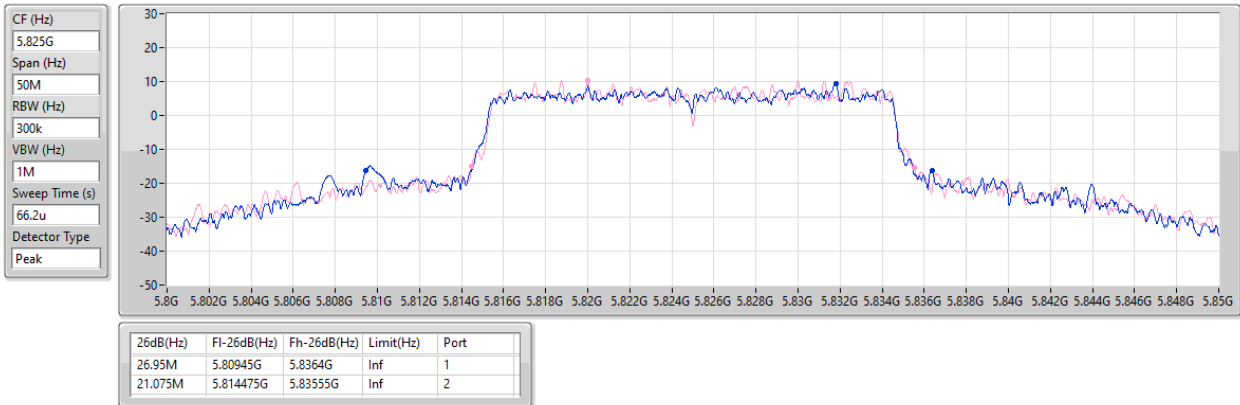


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

19/10/2024

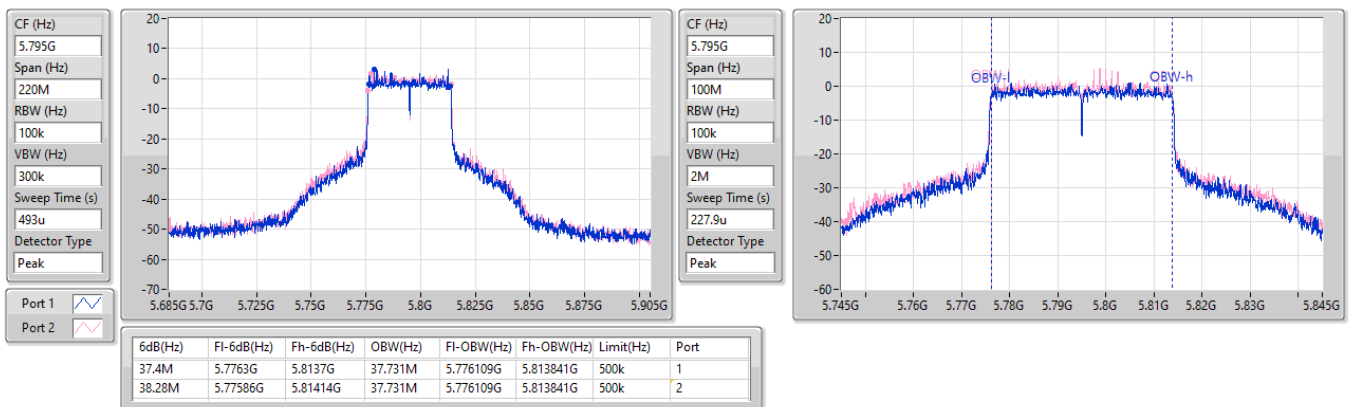


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

19/10/2024

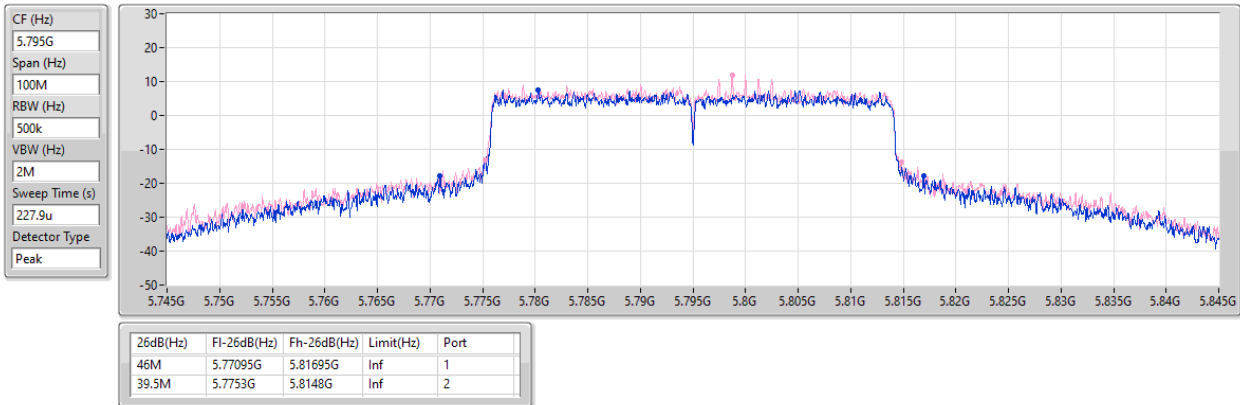


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

19/10/2024

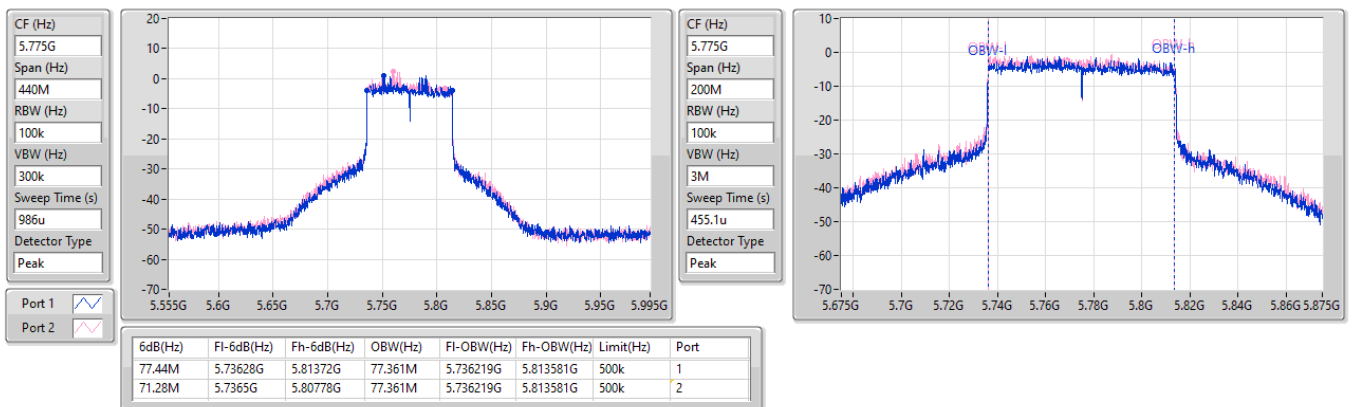


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

19/10/2024

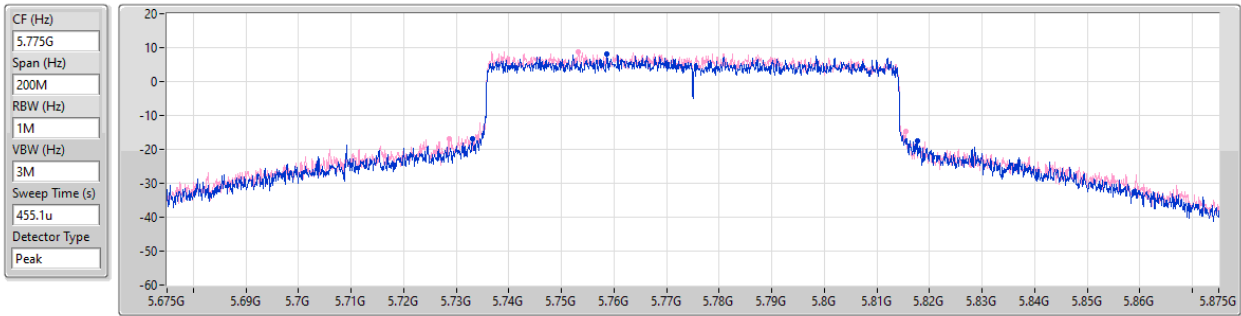


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

19/10/2024



Port 1
Port 2

26dB(Hz)	F1-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
84.7M	5.733G	5.8177G	Inf	1
87M	5.7286G	5.8156G	Inf	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	28.38M	19.115M	19M1D1D	21.01M	19.015M
802.11be EHT40_Nss2,(MCS0)_2TX	42.46M	37.781M	37M8D1D	40.81M	37.631M
802.11be EHT80_Nss2,(MCS0)_2TX	84.48M	77.161M	77M2D1D	84.04M	76.862M
802.11be EHT160_Nss2,(MCS0)_2TX	79.36M	77.241M	77M2D1D	79.36M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	29.645M	19.19M	19M2D1D	21.065M	19.04M
802.11be EHT40_Nss2,(MCS0)_2TX	51.7M	37.781M	37M8D1D	41.25M	37.681M
802.11be EHT80_Nss2,(MCS0)_2TX	86.46M	77.261M	77M3D1D	84.48M	77.261M
802.11be EHT160_Nss2,(MCS0)_2TX	80.16M	77.321M	77M3D1D	80M	77.001M
5.47-5.725GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	24.53M	19.115M	19M1D1D	18.105M	14.468M
802.11be EHT40_Nss2,(MCS0)_2TX	45.65M	37.881M	37M9D1D	35.035M	33.793M
802.11be EHT80_Nss2,(MCS0)_2TX	89.32M	77.361M	77M4D1D	74.325M	73.088M
802.11be EHT160_Nss2,(MCS0)_2TX	159.72M	156.722M	157MD1D	159.28M	156.322M
5.725-5.85GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	19.195M	19.165M	19M2D1D	4.54M	6.397M
802.11be EHT40_Nss2,(MCS0)_2TX	38.17M	37.831M	37M8D1D	4.04M	10.835M
802.11be EHT80_Nss2,(MCS0)_2TX	75.24M	77.361M	77M4D1D	4.04M	14.993M

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)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	28.38M	19.04M	22.22M	19.115M
5200MHz	Pass	Inf	21.01M	19.015M	23.98M	19.065M
5240MHz	Pass	Inf	25.245M	19.065M	22.495M	19.04M
5260MHz	Pass	Inf	21.065M	19.115M	21.56M	19.04M
5300MHz	Pass	Inf	21.615M	19.19M	23.76M	19.165M
5320MHz	Pass	Inf	22.165M	19.04M	29.645M	19.065M
5500MHz	Pass	Inf	22.275M	19.065M	22.55M	19.115M
5580MHz	Pass	Inf	24.53M	19.065M	22.33M	19.065M
5700MHz	Pass	Inf	20.9M	19.09M	21.45M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	18.105M	14.468M	20.085M	14.528M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.54M	6.397M	4.54M	6.397M
5745MHz	Pass	500k	19.085M	19.015M	19.03M	19.065M
5785MHz	Pass	500k	19.195M	19.04M	17.93M	19.165M
5825MHz	Pass	500k	18.26M	19.14M	19.14M	19.065M
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	42.46M	37.631M	42.13M	37.781M
5230MHz	Pass	Inf	40.92M	37.731M	40.81M	37.731M
5270MHz	Pass	Inf	41.25M	37.781M	47.41M	37.681M
5310MHz	Pass	Inf	51.7M	37.781M	41.47M	37.781M
5510MHz	Pass	Inf	45.65M	37.831M	40.04M	37.831M
5550MHz	Pass	Inf	43.78M	37.881M	43.78M	37.781M
5670MHz	Pass	Inf	40.59M	37.531M	42.24M	37.681M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.84M	33.828M	35.035M	33.793M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	16.212M	4.04M	10.835M
5755MHz	Pass	500k	37.84M	37.731M	38.17M	37.781M
5795MHz	Pass	500k	38.17M	37.781M	36.3M	37.831M
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.48M	76.862M	84.04M	77.161M
5290MHz	Pass	Inf	84.48M	77.261M	86.46M	77.261M
5530MHz	Pass	Inf	81.4M	77.361M	79.42M	77.161M
5610MHz	Pass	Inf	89.32M	77.061M	78.98M	77.261M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	73.088M	74.325M	73.163M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.08M	19.39M	4.04M	14.993M
5775MHz	Pass	500k	75.24M	77.161M	75.02M	77.361M
802.11be EHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	79.36M	77.241M	79.36M	77.161M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80M	77.001M	80.16M	77.321M
5570MHz	Pass	Inf	159.28M	156.322M	159.72M	156.722M

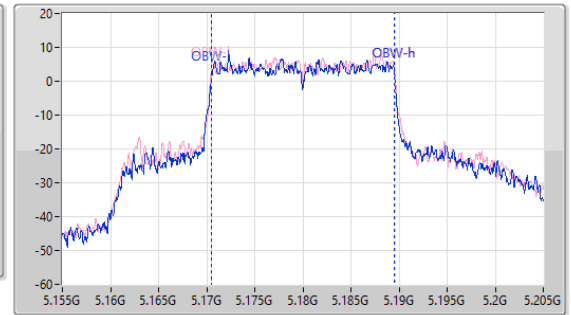
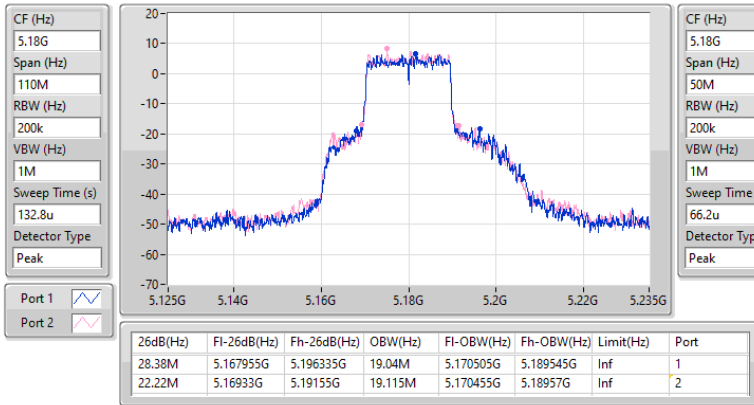
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5180MHz

19/10/2024

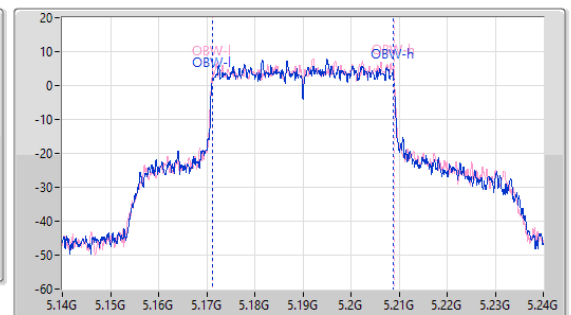
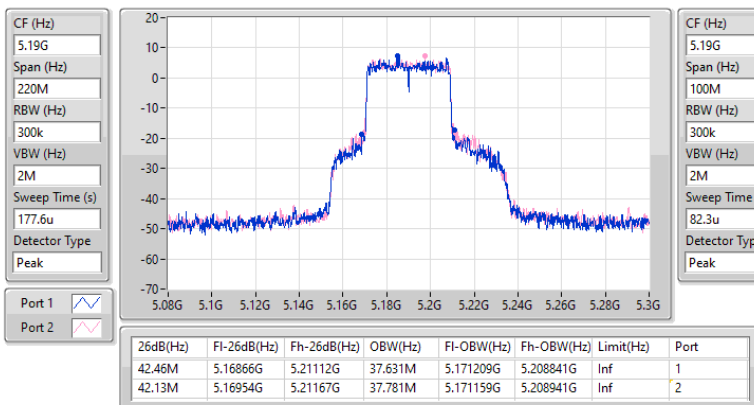


5.15-5.25GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5190MHz

19/10/2024

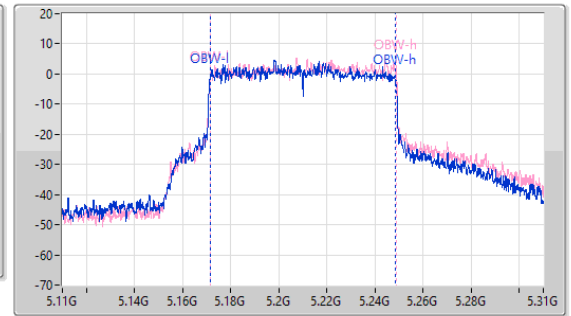
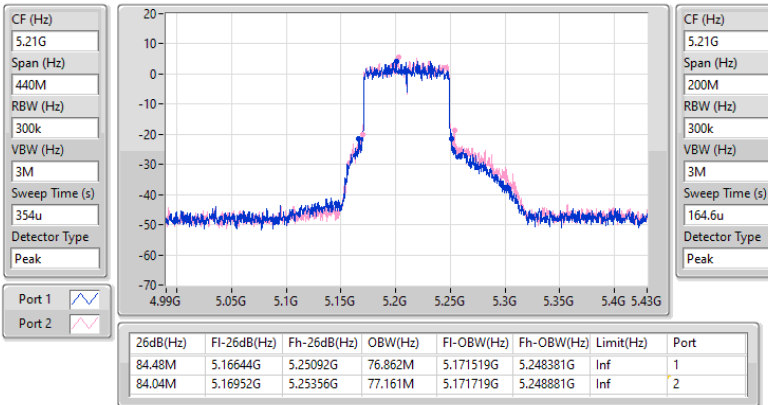


5.15-5.25GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5210MHz

19/10/2024

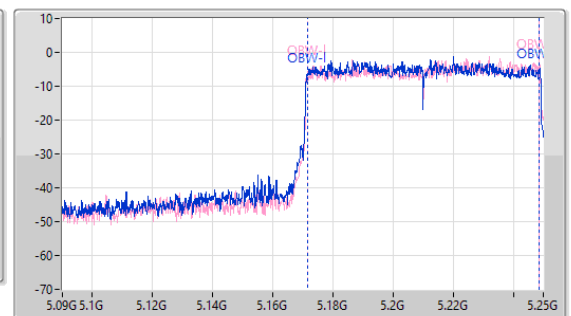
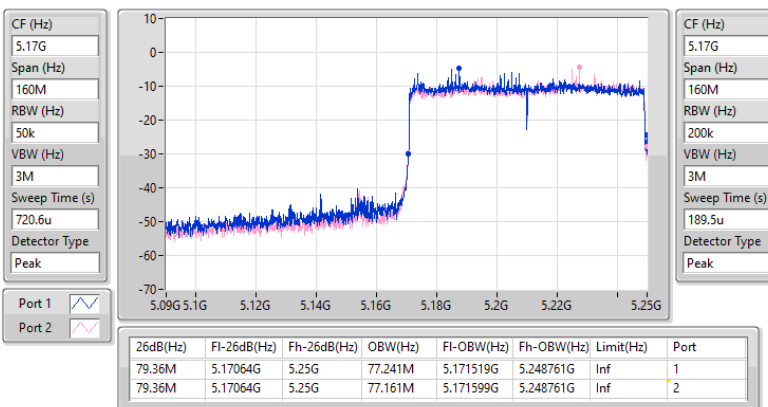


5.15-5.25GHz_802.11be EHT160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

19/10/2024

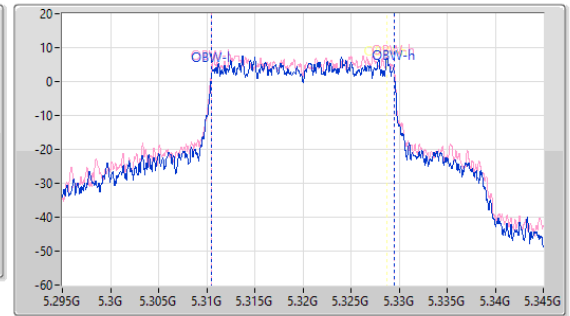
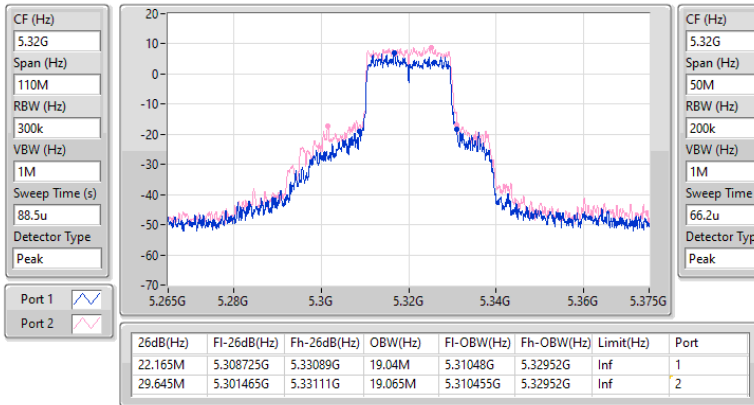


5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5320MHz

19/10/2024

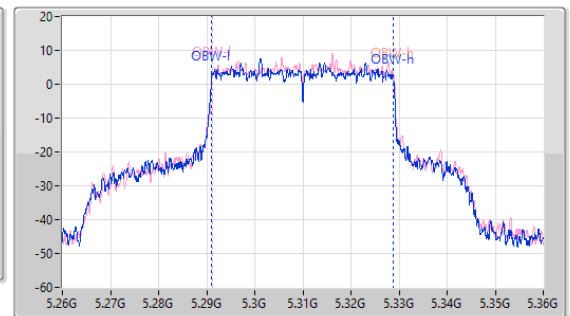
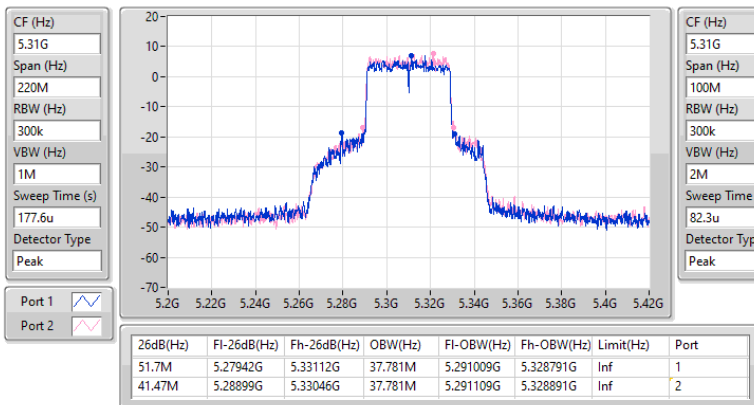


5.25-5.35GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5310MHz

19/10/2024

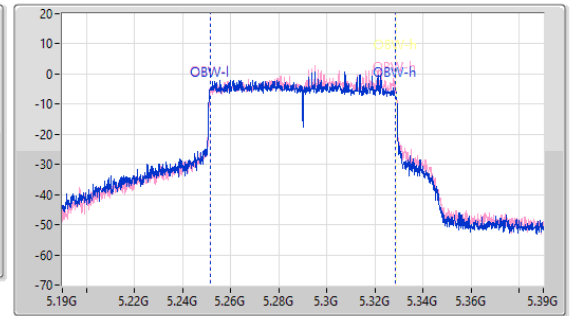
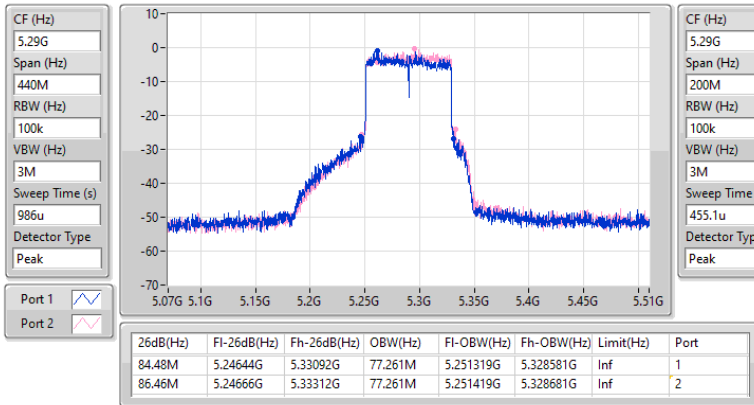


5.25-5.35GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5290MHz

19/10/2024

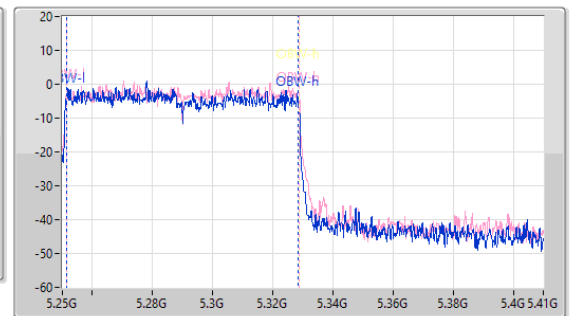
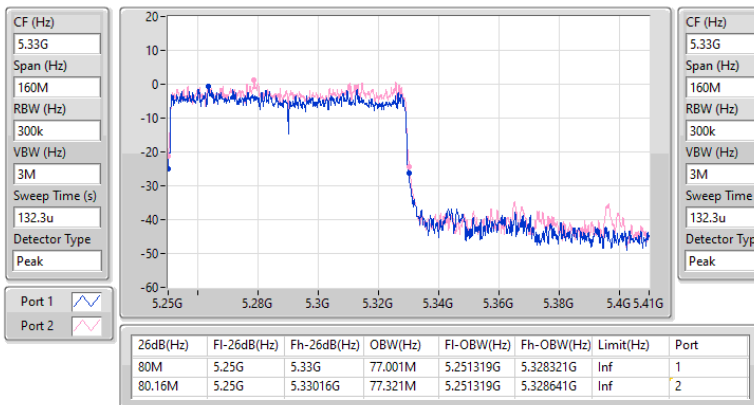


5.25-5.35GHz_802.11be EHT160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

19/10/2024

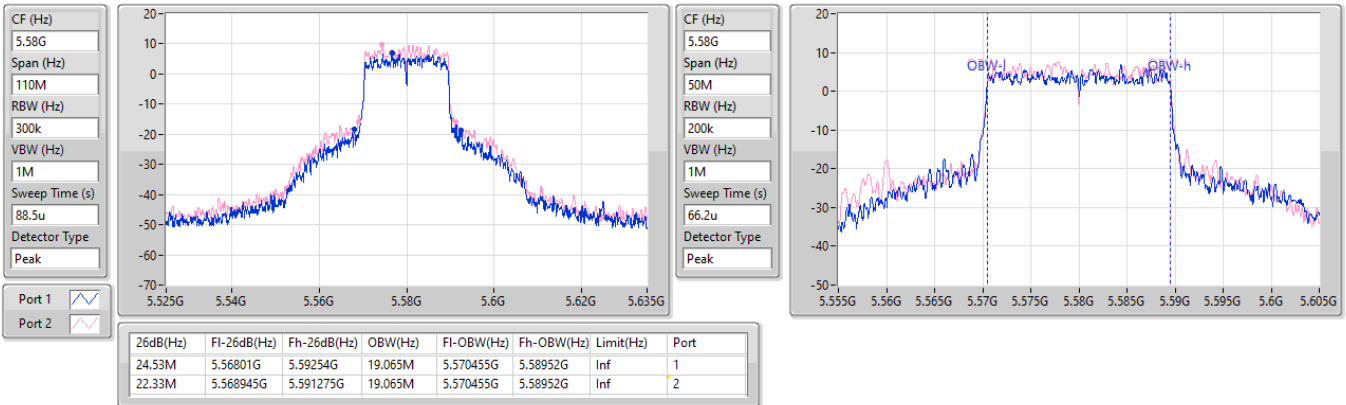


5.47-5.725GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5580MHz

19/10/2024

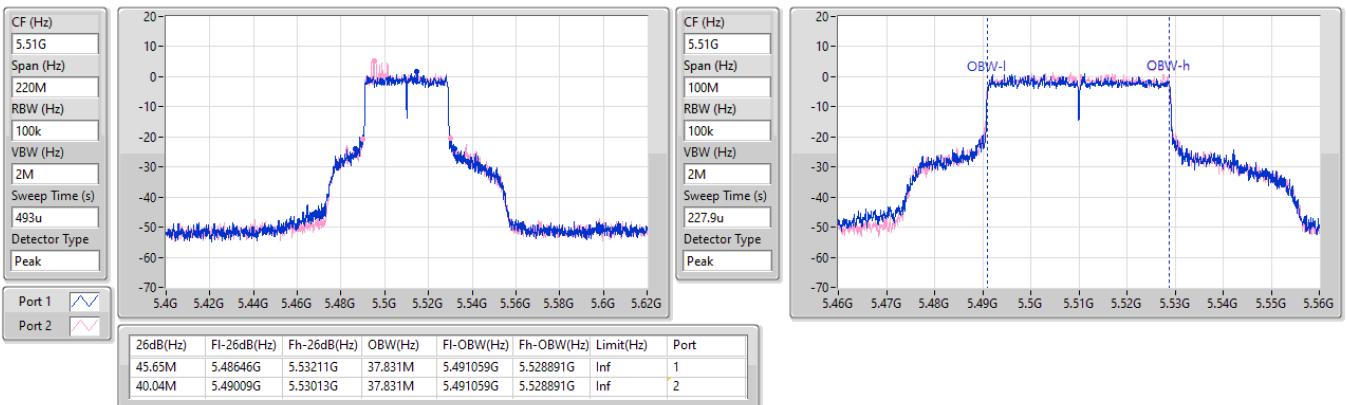


5.47-5.725GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5510MHz

19/10/2024

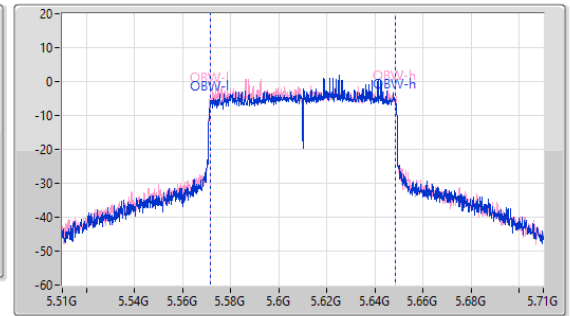
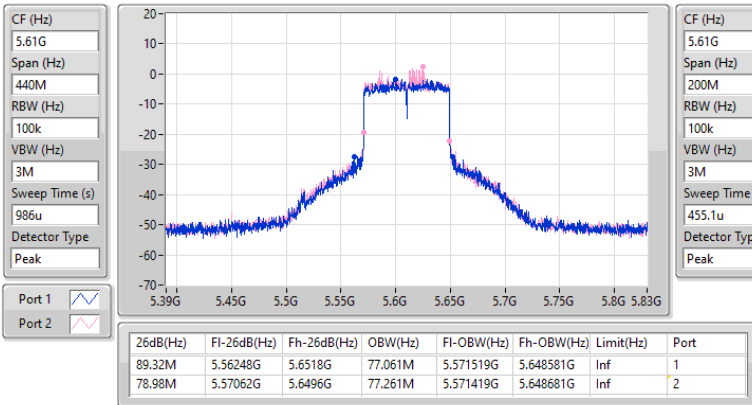


5.47-5.725GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5610MHz

19/10/2024

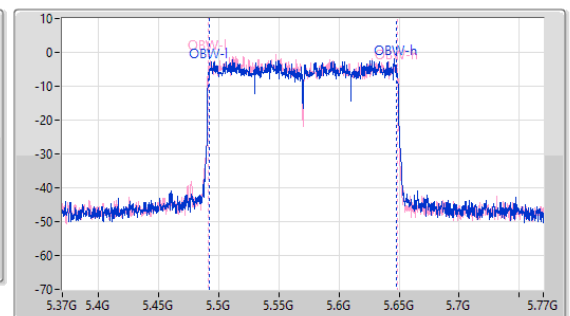
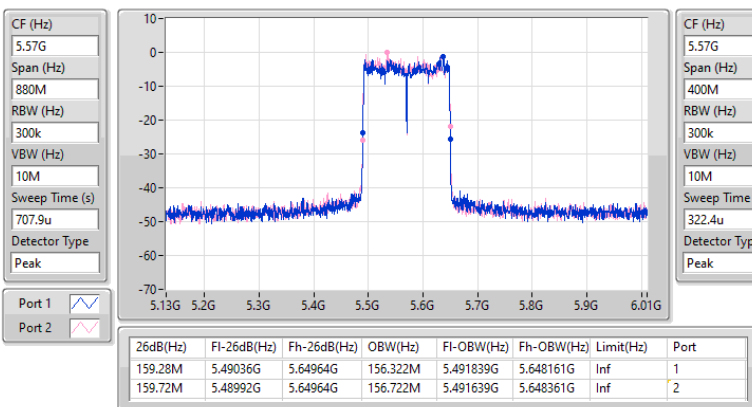


5.47-5.725GHz_802.11be EHT160_Nss2,(MCS0)_2TX

EBW

5570MHz

19/10/2024

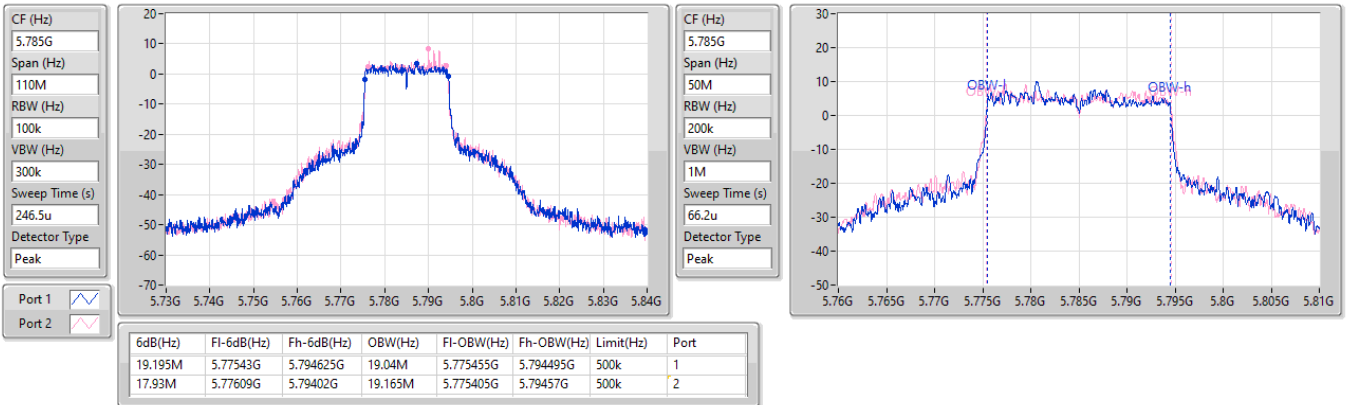


5.725-5.85GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5785MHz

19/10/2024

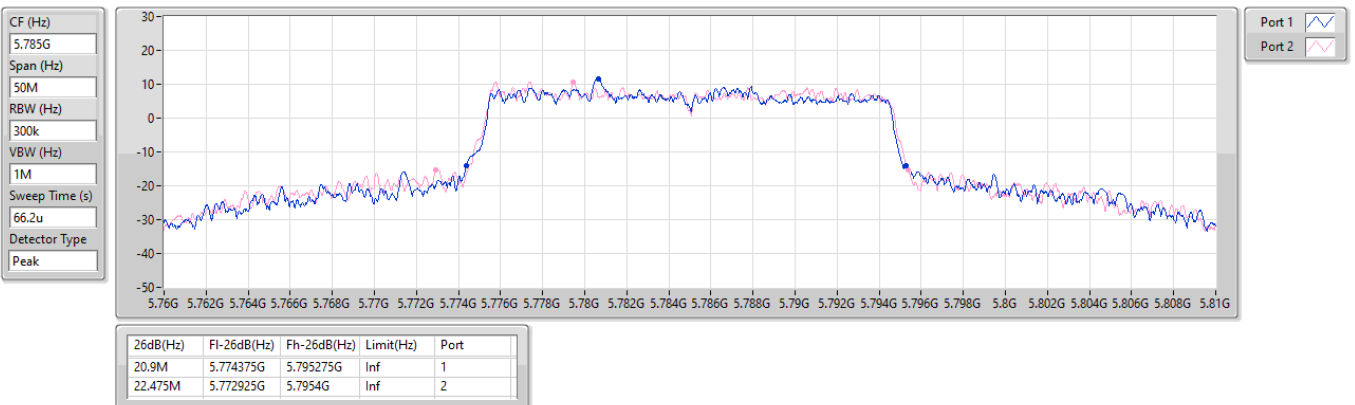


5.725-5.85GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5785MHz

19/10/2024

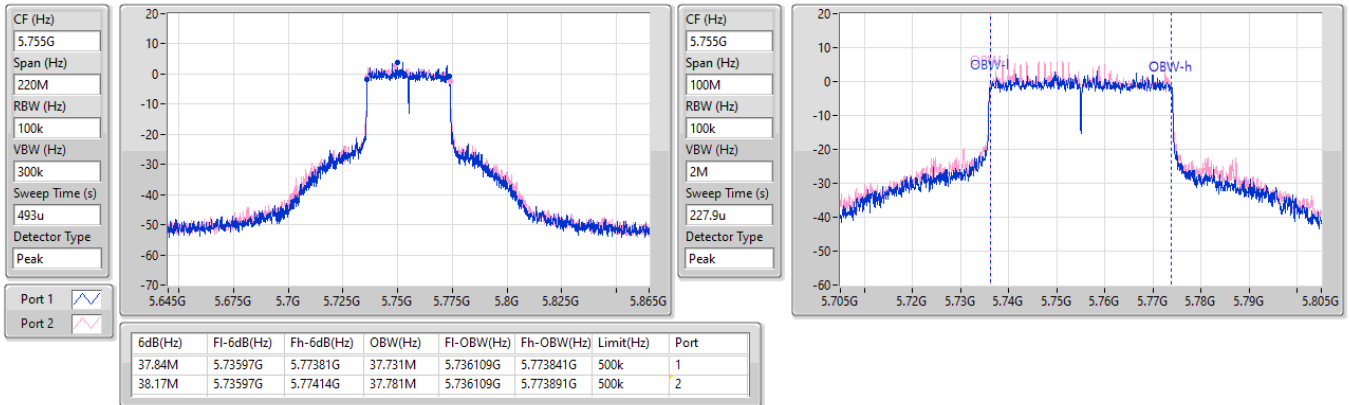


5.725-5.85GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5755MHz

19/10/2024

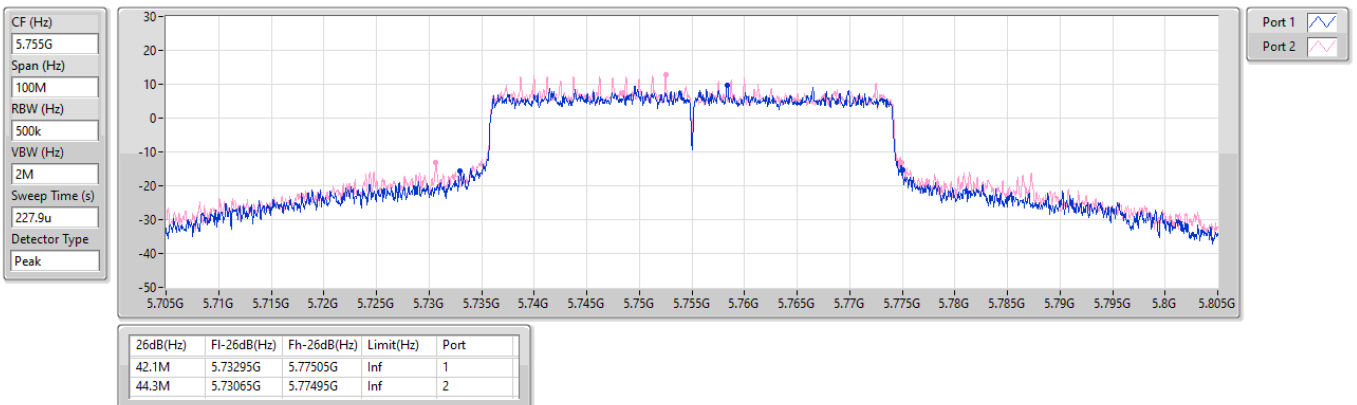


5.725-5.85GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5755MHz

19/10/2024

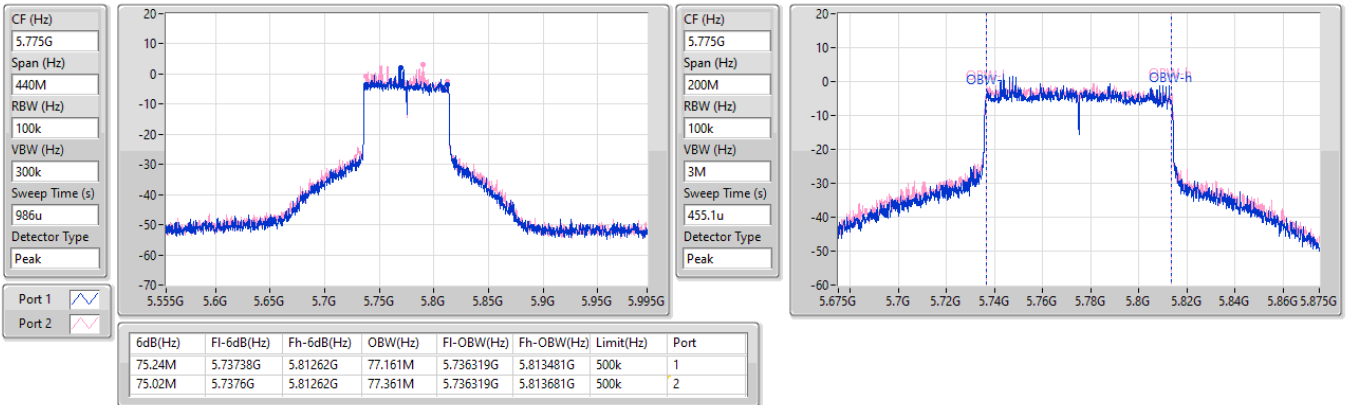


5.725-5.85GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5775MHz

19/10/2024

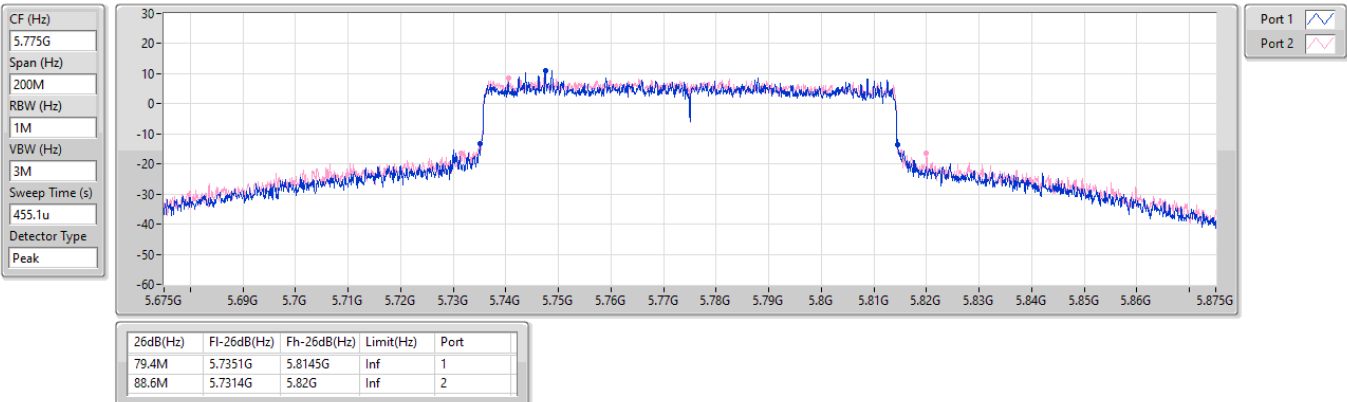


5.725-5.85GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5775MHz

19/10/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.32M	16.954M	17M0D1D	21.065M	16.558M
802.11be EHT20_Nss1,(MCS0)_1TX	24.915M	19.04M	19M0D1D	23.485M	18.991M
802.11be EHT40_Nss1,(MCS0)_1TX	46.64M	37.831M	37M8D1D	41.8M	37.831M
802.11be EHT80_Nss1,(MCS0)_1TX	88.44M	77.361M	77M4D1D	88.44M	77.361M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.65M	17.129M	17M1D1D	21.725M	16.69M
802.11be EHT20_Nss1,(MCS0)_1TX	24.805M	19.04M	19M0D1D	21.615M	19.015M
802.11be EHT40_Nss1,(MCS0)_1TX	53.02M	37.881M	37M9D1D	48.18M	37.831M
802.11be EHT80_Nss1,(MCS0)_1TX	84.7M	77.161M	77M2D1D	84.7M	77.161M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	23.32M	16.822M
5200MHz	Pass	Inf	21.23M	16.558M
5240MHz	Pass	Inf	21.065M	16.954M
5260MHz	Pass	Inf	21.835M	16.69M
5300MHz	Pass	Inf	21.725M	17.129M
5320MHz	Pass	Inf	23.65M	16.976M
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	24.145M	19.04M
5200MHz	Pass	Inf	23.485M	18.991M
5240MHz	Pass	Inf	24.915M	19.015M
5260MHz	Pass	Inf	21.615M	19.04M
5300MHz	Pass	Inf	22.22M	19.015M
5320MHz	Pass	Inf	24.805M	19.04M
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	46.64M	37.831M
5230MHz	Pass	Inf	41.8M	37.831M
5270MHz	Pass	Inf	53.02M	37.881M
5310MHz	Pass	Inf	48.18M	37.831M
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	88.44M	77.361M
5290MHz	Pass	Inf	84.7M	77.161M

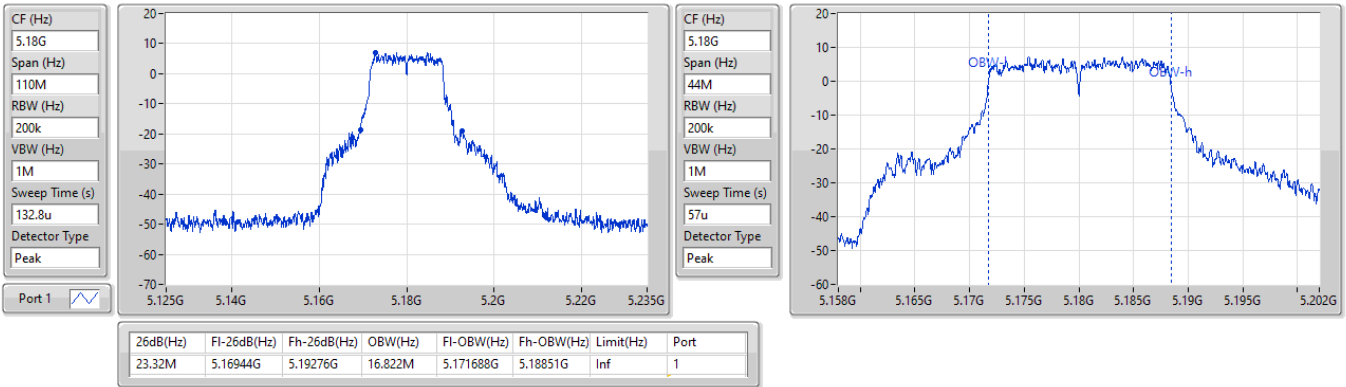
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

22/10/2024

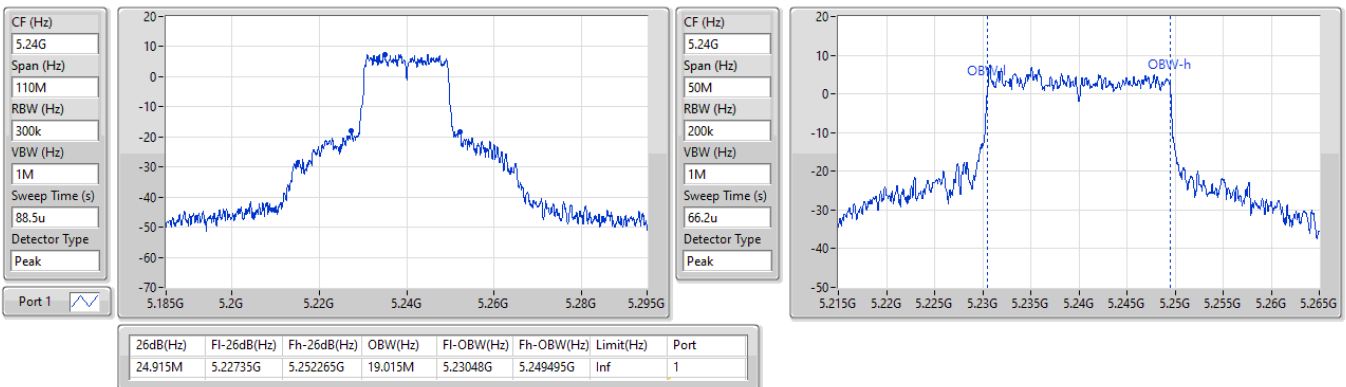


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

22/10/2024

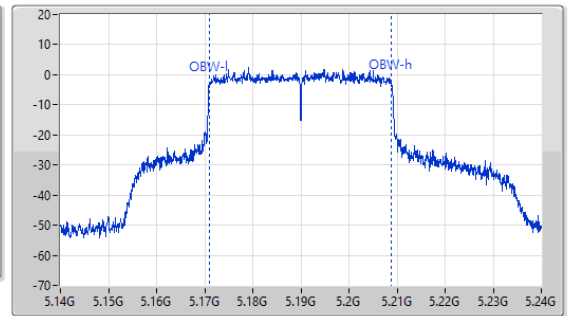
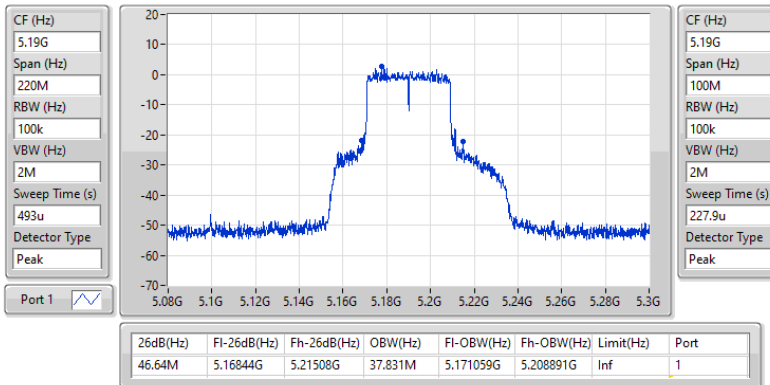


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

22/10/2024

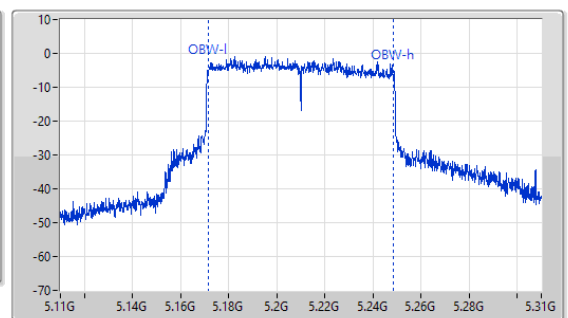
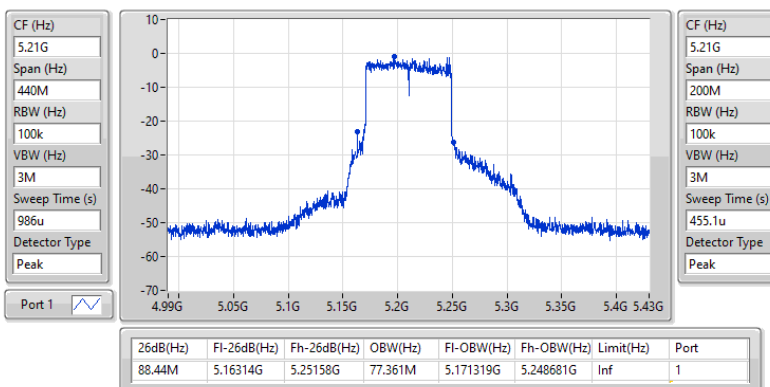


5.15-5.25GHz 802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

22/10/2024

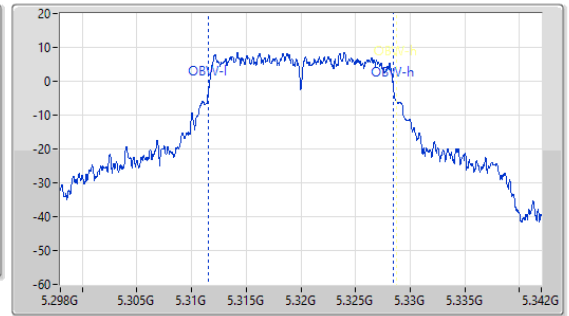
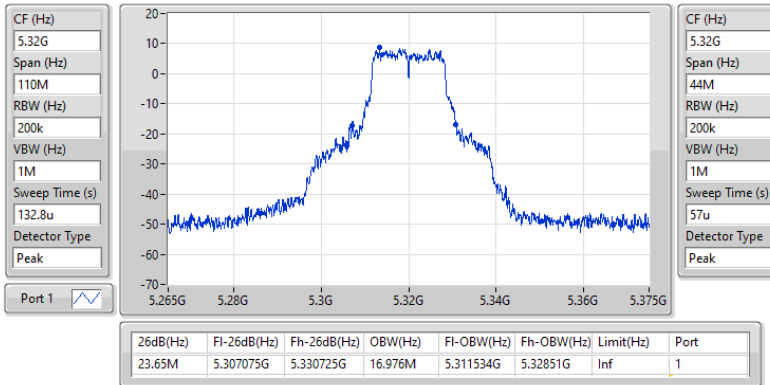


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

22/10/2024

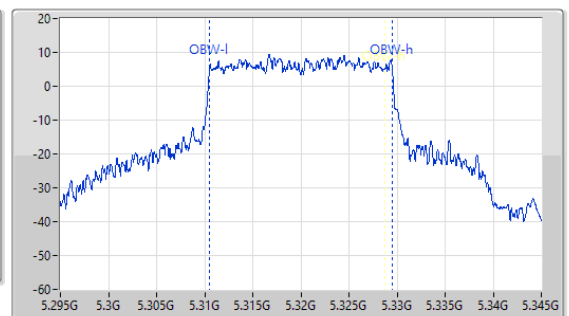
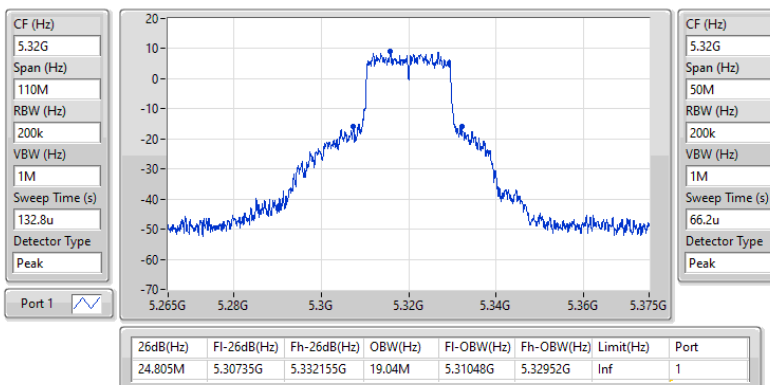


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5320MHz

22/10/2024

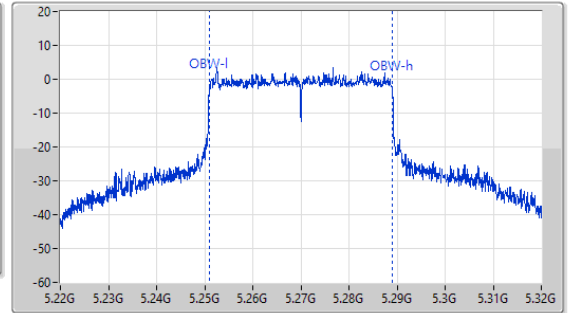
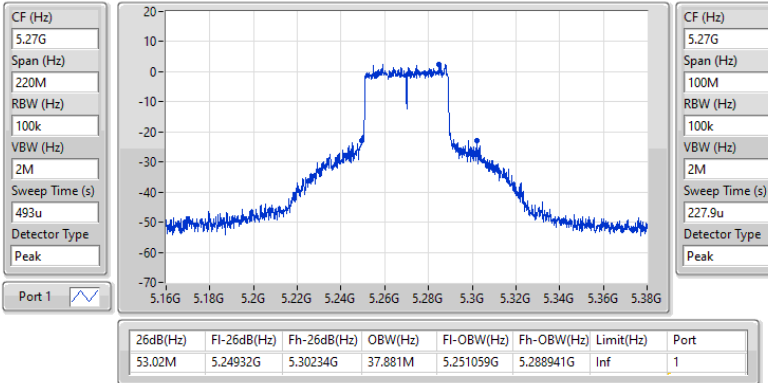


5.25-5.35GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5270MHz

22/10/2024

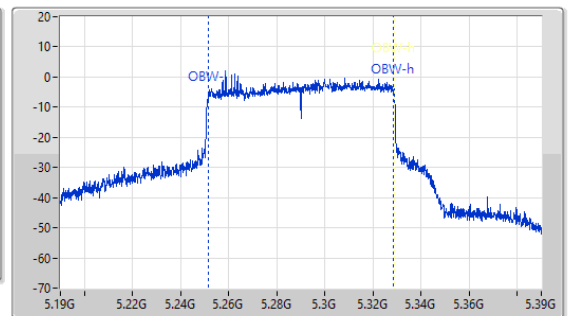
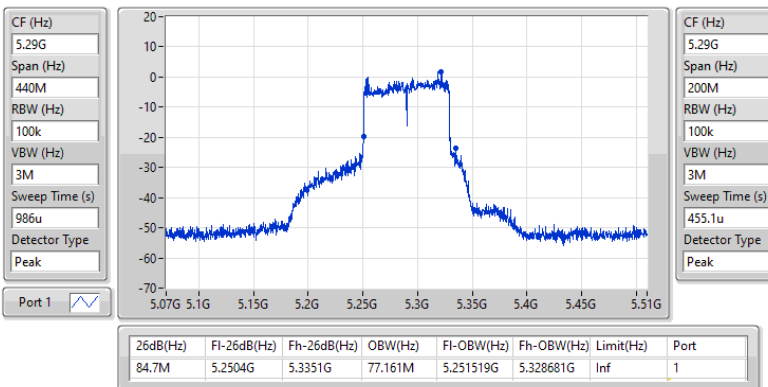


5.25-5.35GHz 802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5290MHz

22/10/2024



**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)_2TX	21.945M	16.998M	17M0D1D	20.845M	16.734M
802.11be EHT20_Nss1,(MCS0)_2TX	27.005M	19.115M	19M1D1D	21.285M	19.015M
802.11be EHT40_Nss1,(MCS0)_2TX	63.03M	37.831M	37M8D1D	42.02M	37.781M
802.11be EHT80_Nss1,(MCS0)_2TX	84.7M	77.261M	77M3D1D	79.2M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.265M	16.954M	17M0D1D	21.23M	16.712M
802.11be EHT20_Nss1,(MCS0)_2TX	24.915M	19.29M	19M3D1D	21.56M	19.04M
802.11be EHT40_Nss1,(MCS0)_2TX	53.24M	37.831M	37M8D1D	42.57M	37.781M
802.11be EHT80_Nss1,(MCS0)_2TX	89.54M	77.161M	77M2D1D	84.04M	77.061M

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)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.845M	16.976M	21.505M	16.844M
5200MHz	Pass	Inf	21.945M	16.844M	21.725M	16.734M
5240MHz	Pass	Inf	21.67M	16.976M	21.065M	16.998M
5260MHz	Pass	Inf	23.265M	16.954M	22.99M	16.712M
5300MHz	Pass	Inf	21.89M	16.734M	21.23M	16.8M
5320MHz	Pass	Inf	22.495M	16.866M	22.33M	16.888M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.825M	19.065M	27.005M	19.115M
5200MHz	Pass	Inf	25.025M	19.015M	26.785M	19.065M
5240MHz	Pass	Inf	21.285M	19.065M	21.505M	19.015M
5260MHz	Pass	Inf	23.815M	19.065M	23.32M	19.04M
5300MHz	Pass	Inf	21.56M	19.09M	24.915M	19.29M
5320MHz	Pass	Inf	23.43M	19.115M	22.22M	19.19M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	50.82M	37.831M	42.02M	37.781M
5230MHz	Pass	Inf	44.55M	37.831M	63.03M	37.781M
5270MHz	Pass	Inf	43.78M	37.831M	53.24M	37.781M
5310MHz	Pass	Inf	42.57M	37.831M	44.77M	37.781M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	84.7M	77.261M	79.2M	77.161M
5290MHz	Pass	Inf	84.04M	77.161M	89.54M	77.061M

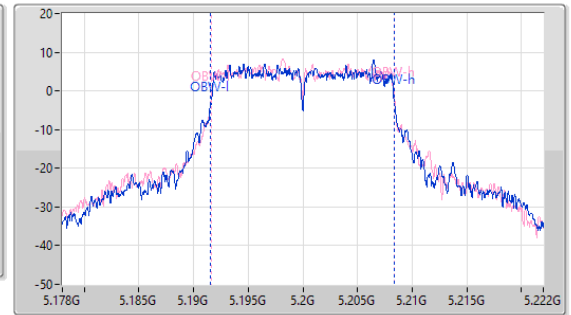
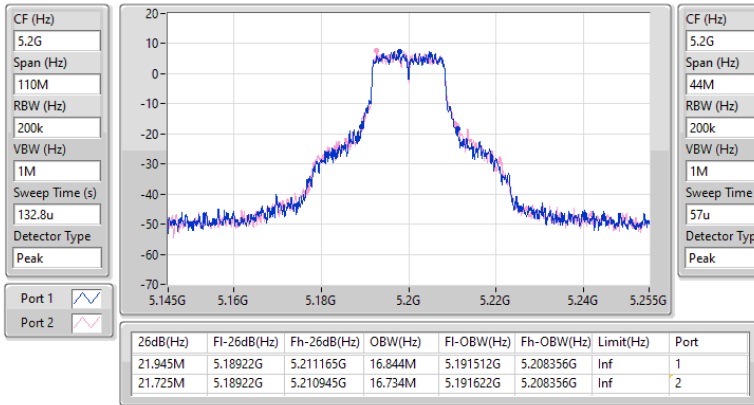
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

22/10/2024

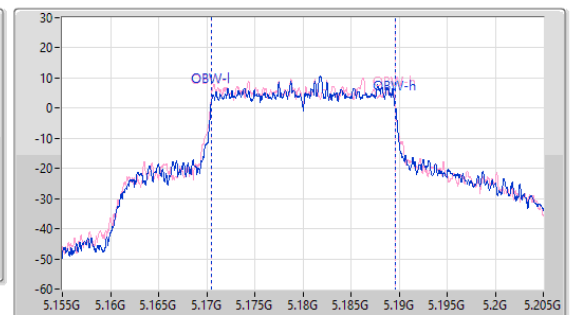
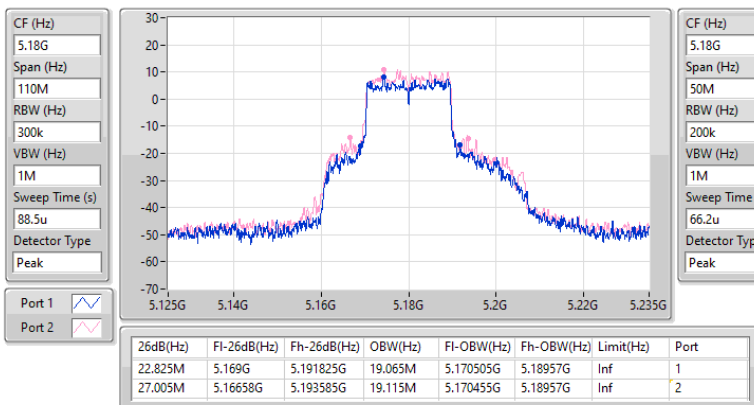


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

22/10/2024

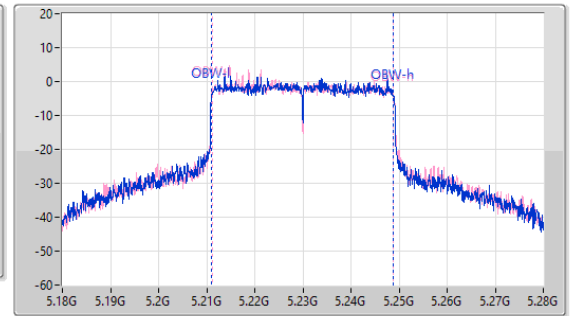
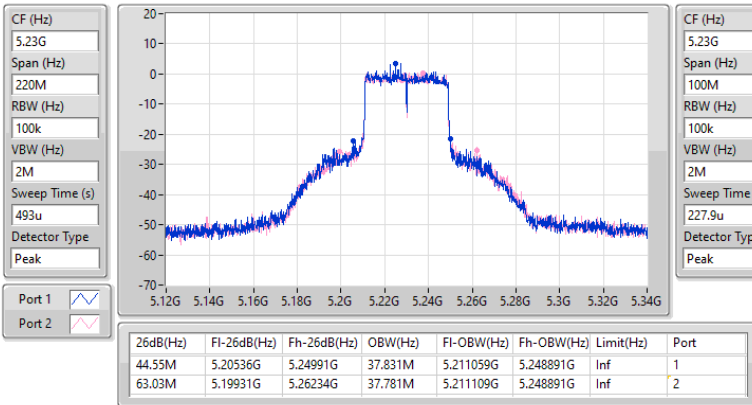


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

22/10/2024

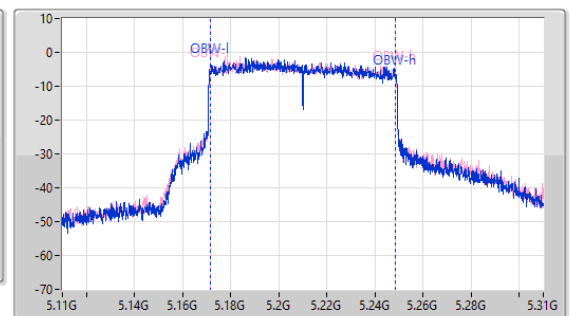
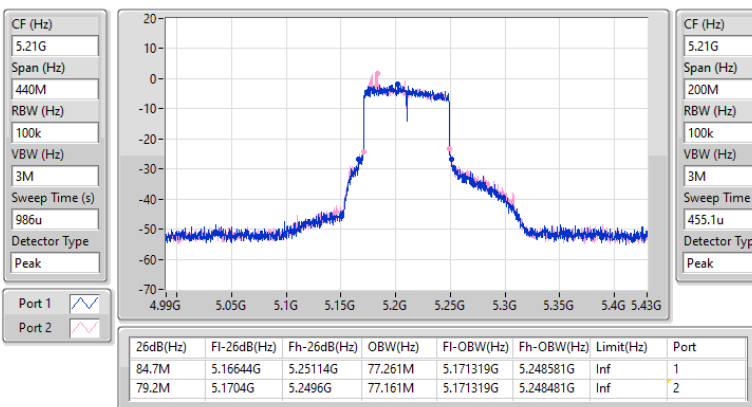


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

22/10/2024

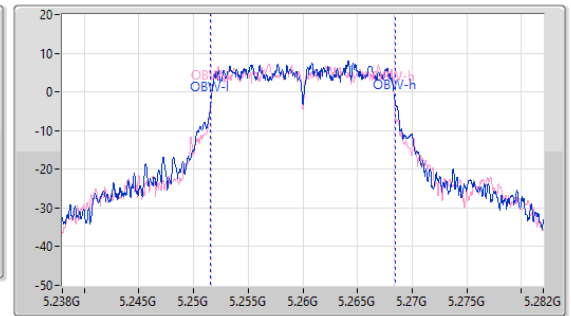
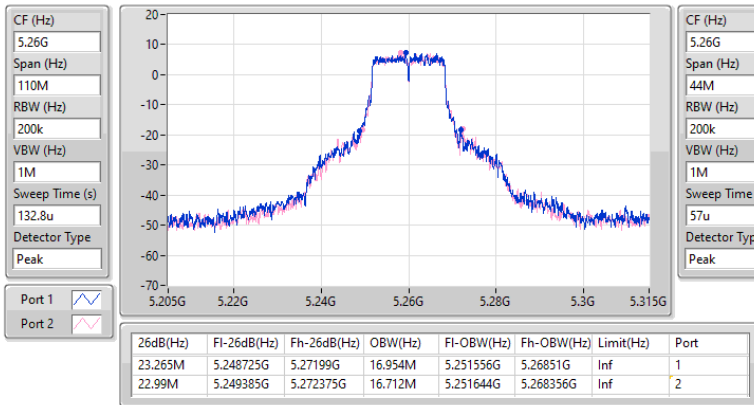


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

22/10/2024

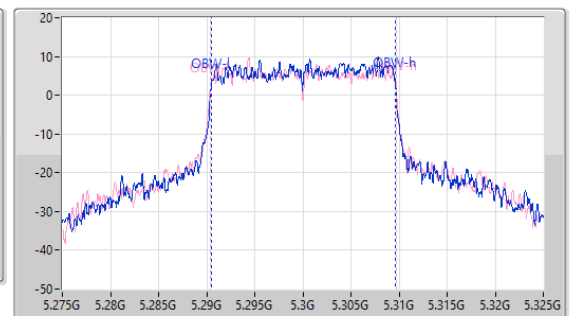
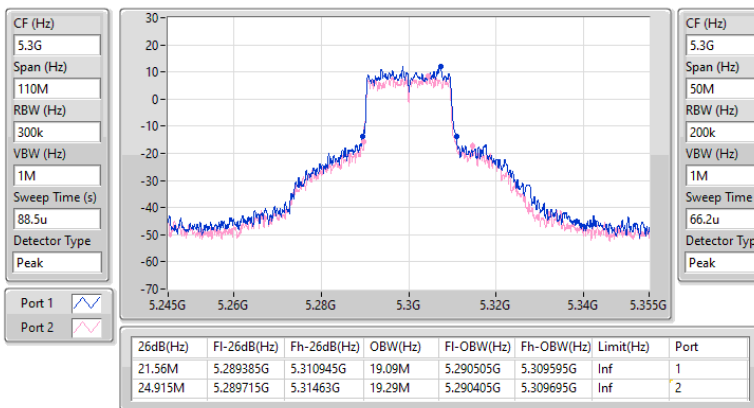


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

22/10/2024

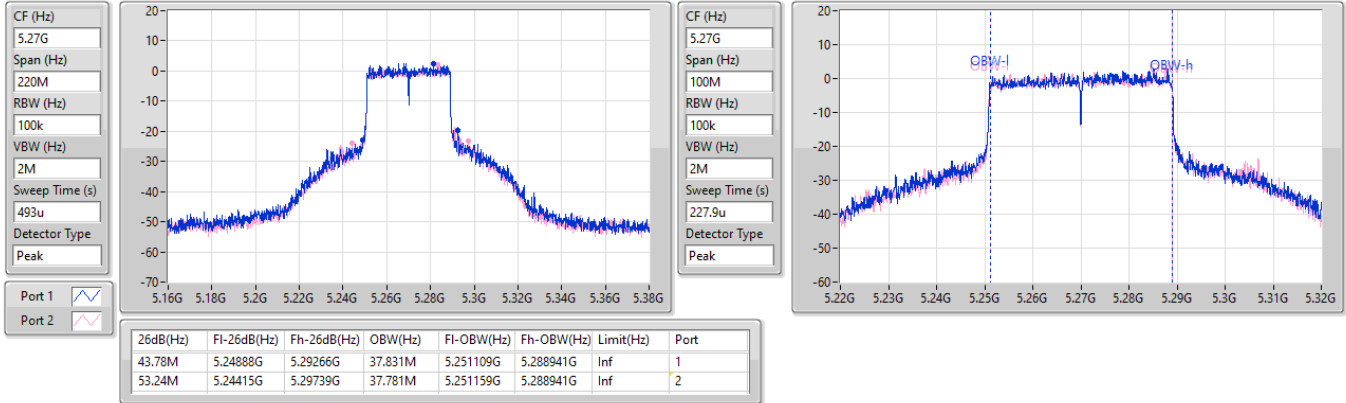


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

22/10/2024

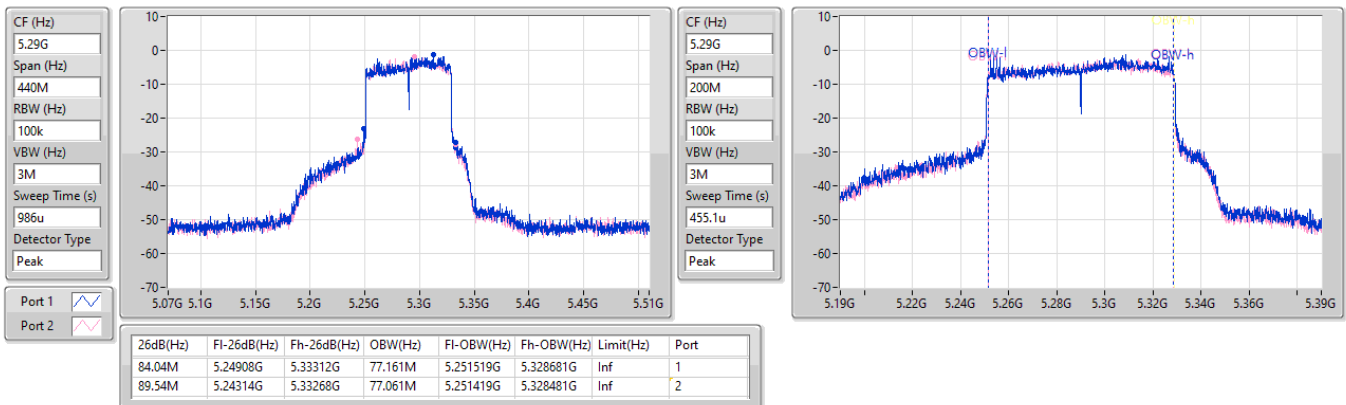


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

22/10/2024



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	28.71M	19.365M	19M4D1D	21.34M	19.04M
802.11be EHT40_Nss2,(MCS0)_2TX	48.07M	37.881M	37M9D1D	39.71M	37.731M
802.11be EHT80_Nss2,(MCS0)_2TX	93.28M	77.261M	77M3D1D	86.9M	77.161M
5.25-5.35GHz	-	-	-	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	33.66M	19.19M	19M2D1D	21.67M	19.015M
802.11be EHT40_Nss2,(MCS0)_2TX	53.13M	37.831M	37M8D1D	43.78M	37.681M
802.11be EHT80_Nss2,(MCS0)_2TX	85.14M	77.161M	77M2D1D	79.64M	77.161M

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)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.64M	19.165M	26.675M	19.265M
5200MHz	Pass	Inf	21.34M	19.365M	26.235M	19.04M
5240MHz	Pass	Inf	28.71M	19.115M	25.19M	19.04M
5260MHz	Pass	Inf	22.99M	19.19M	33.66M	19.09M
5300MHz	Pass	Inf	21.67M	19.04M	22.44M	19.015M
5320MHz	Pass	Inf	29.315M	19.115M	25.135M	19.165M
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.71M	37.831M	41.03M	37.731M
5230MHz	Pass	Inf	45.65M	37.881M	48.07M	37.831M
5270MHz	Pass	Inf	53.13M	37.831M	45.54M	37.831M
5310MHz	Pass	Inf	44.11M	37.681M	43.78M	37.731M
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	86.9M	77.161M	93.28M	77.261M
5290MHz	Pass	Inf	79.64M	77.161M	85.14M	77.161M

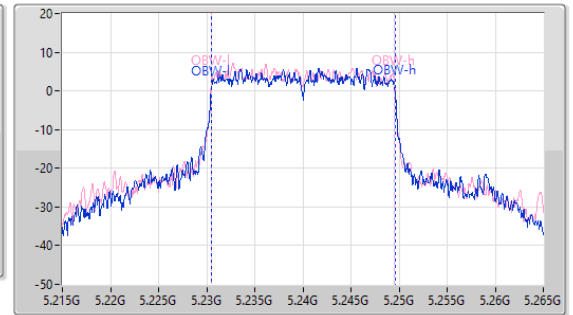
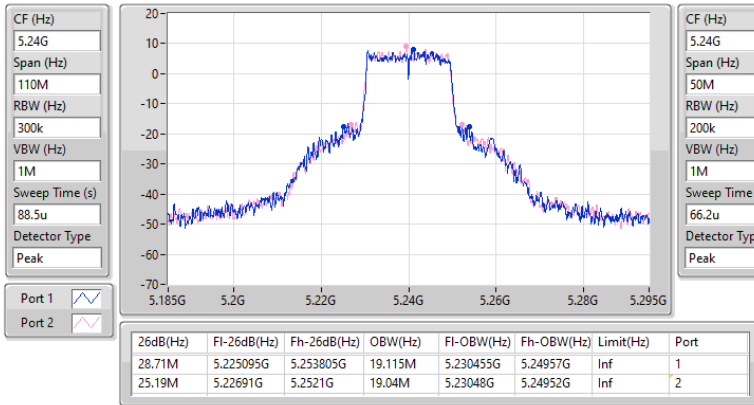
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5240MHz

22/10/2024

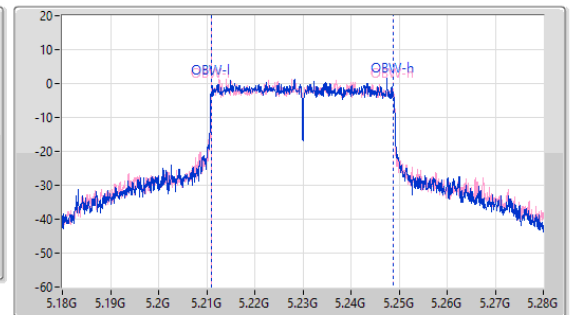
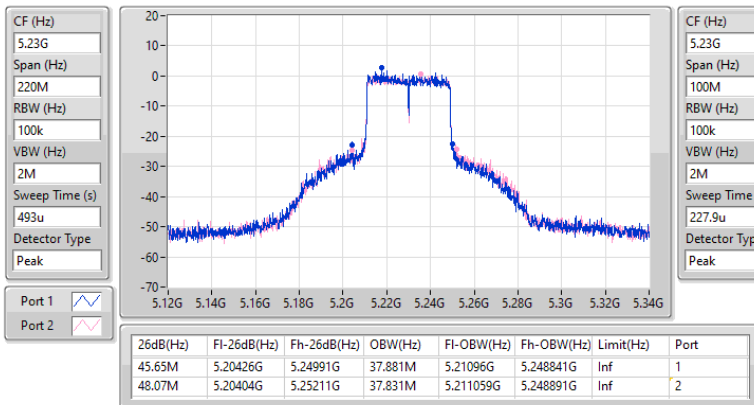


5.15-5.25GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5230MHz

22/10/2024

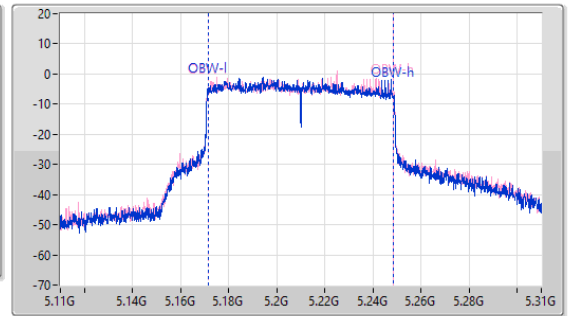
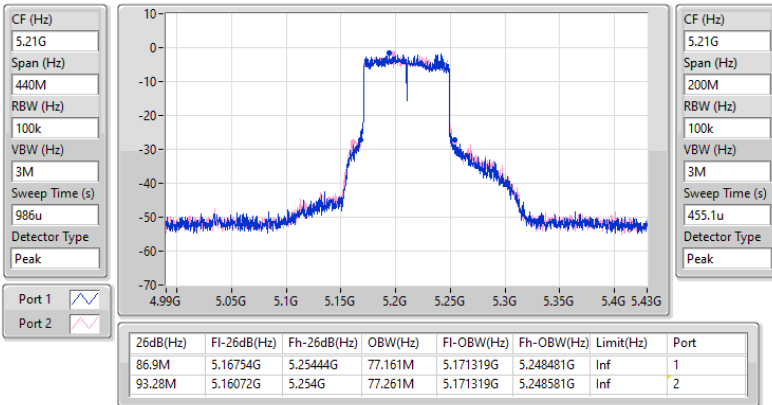


5.15-5.25GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5210MHz

22/10/2024

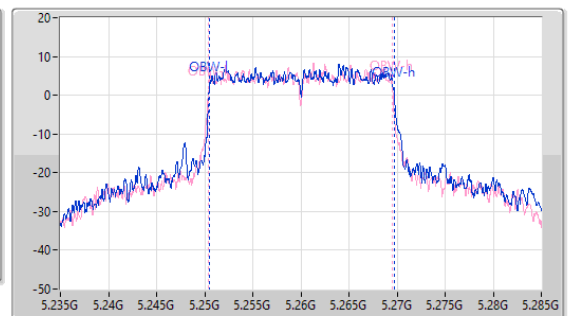
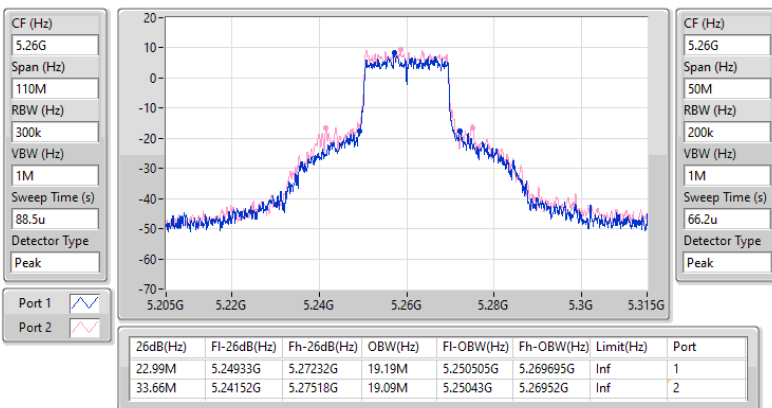


5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5260MHz

22/10/2024

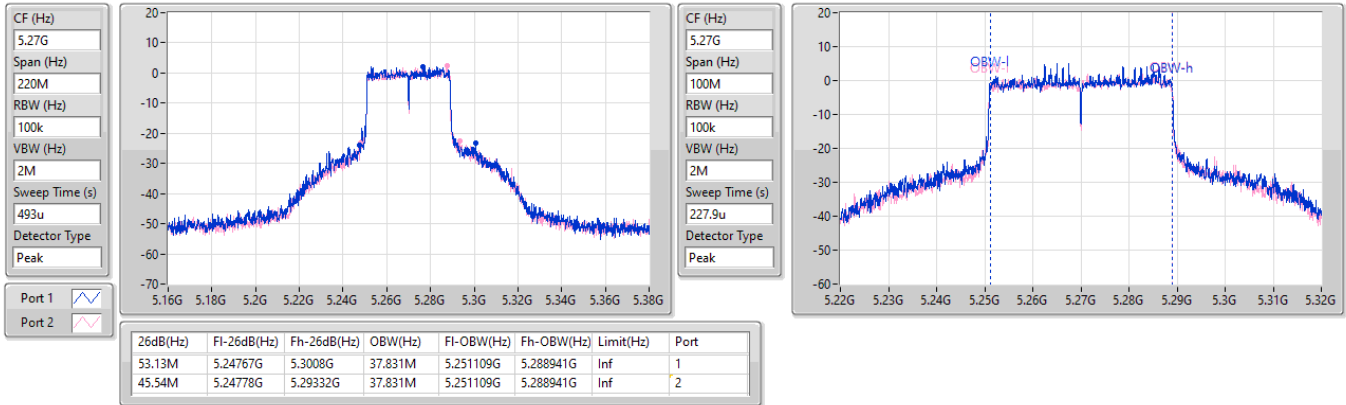


5.25-5.35GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5270MHz

22/10/2024

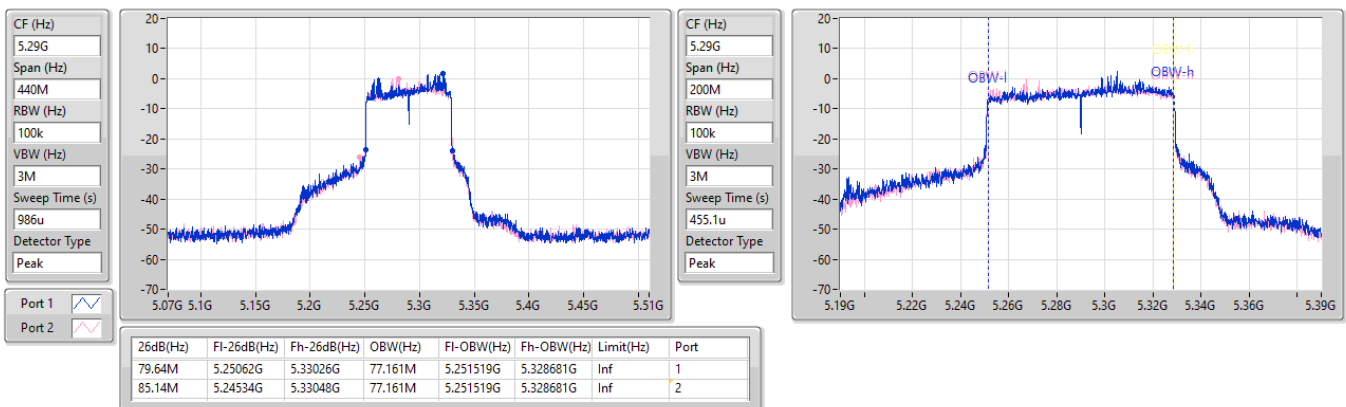


5.25-5.35GHz_802.11be EHT80_Nss2,(MCS0)_2TX

EBW

5290MHz

22/10/2024



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
a20_Nss1,(6Mbps)_1TX	20.845M	16.822M	16M8D1D	20.57M	16.47M
a40_Nss1,(6Mbps)_1TX	39.27M	36.37M	36M4D1D	38.94M	36.194M
a80_Nss1,(6Mbps)_1TX	79.64M	75.818M	75M8D1D	79.64M	75.818M
a160_Nss1,(6Mbps)_1TX	79.04M	75.562M	75M6D1D	79.04M	75.562M
5.25-5.35GHz	-	-	-	-	-
a20_Nss1,(6Mbps)_1TX	36.355M	19.115M	19M1D1D	26.07M	17.216M
a40_Nss1,(6Mbps)_1TX	72.27M	38.331M	38M3D1D	40.37M	36.432M
a80_Nss1,(6Mbps)_1TX	79.42M	75.562M	75M6D1D	79.42M	75.562M
a160_Nss1,(6Mbps)_1TX	79.6M	75.642M	75M6D1D	79.6M	75.642M
5.47-5.725GHz	-	-	-	-	-
a20_Nss1,(6Mbps)_1TX	32.78M	18.541M	18M5D1D	22.495M	17.091M
a40_Nss1,(6Mbps)_1TX	71.94M	38.981M	39M0D1D	39.93M	36.382M
a80_Nss1,(6Mbps)_1TX	108.02M	77.061M	77M1D1D	80.08M	75.662M
a160_Nss1,(6Mbps)_1TX	158.4M	154.523M	155MD1D	158.4M	154.523M
5.725-5.85GHz	-	-	-	-	-
a20_Nss1,(6Mbps)_1TX	15.675M	28.886M	28M9D1D	15.07M	26.312M
a40_Nss1,(6Mbps)_1TX	36.3M	61.719M	61M7D1D	36.08M	59.47M
a80_Nss1,(6Mbps)_1TX	75.24M	76.082M	76M1D1D	75.24M	76.082M

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)
a20_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.57M	16.712M
5200MHz	Pass	Inf	20.845M	16.47M
5240MHz	Pass	Inf	20.735M	16.822M
5260MHz	Pass	Inf	36.08M	19.09M
5300MHz	Pass	Inf	36.355M	19.115M
5320MHz	Pass	Inf	26.07M	17.216M
5500MHz	Pass	Inf	22.495M	17.091M
5580MHz	Pass	Inf	32.78M	18.541M
5700MHz	Pass	Inf	29.04M	17.466M
5745MHz	Pass	500k	15.07M	26.837M
5785MHz	Pass	500k	15.675M	26.312M
5825MHz	Pass	500k	15.07M	28.886M
a40_Nss1,(6Mbps)_1TX	-	-	-	-
5190MHz	Pass	Inf	38.94M	36.194M
5230MHz	Pass	Inf	39.27M	36.37M
5270MHz	Pass	Inf	72.27M	38.331M
5310MHz	Pass	Inf	40.37M	36.432M
5510MHz	Pass	Inf	39.93M	36.382M
5550MHz	Pass	Inf	71.94M	38.981M
5670MHz	Pass	Inf	66.99M	36.982M
5755MHz	Pass	500k	36.3M	59.47M
5795MHz	Pass	500k	36.08M	61.719M
a80_Nss1,(6Mbps)_1TX	-	-	-	-
5210MHz	Pass	Inf	79.64M	75.818M
5290MHz	Pass	Inf	79.42M	75.562M
5530MHz	Pass	Inf	80.08M	75.662M
5610MHz	Pass	Inf	108.02M	77.061M
5775MHz	Pass	500k	75.24M	76.082M
a160_Nss1,(6Mbps)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	79.04M	75.562M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	79.6M	75.642M
5570MHz	Pass	Inf	158.4M	154.523M

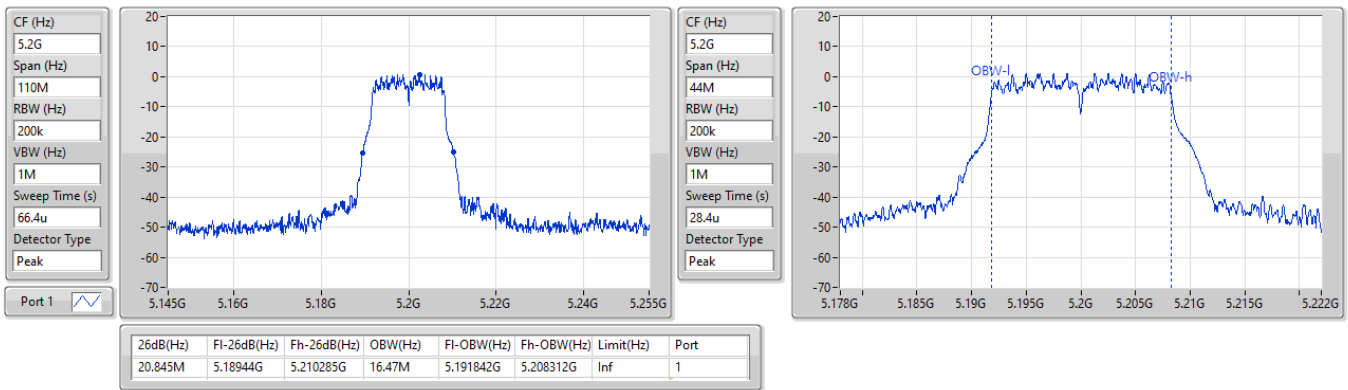
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_a20_Nss1,(6Mbps)_1TX

EBW

5200MHz

08/11/2024

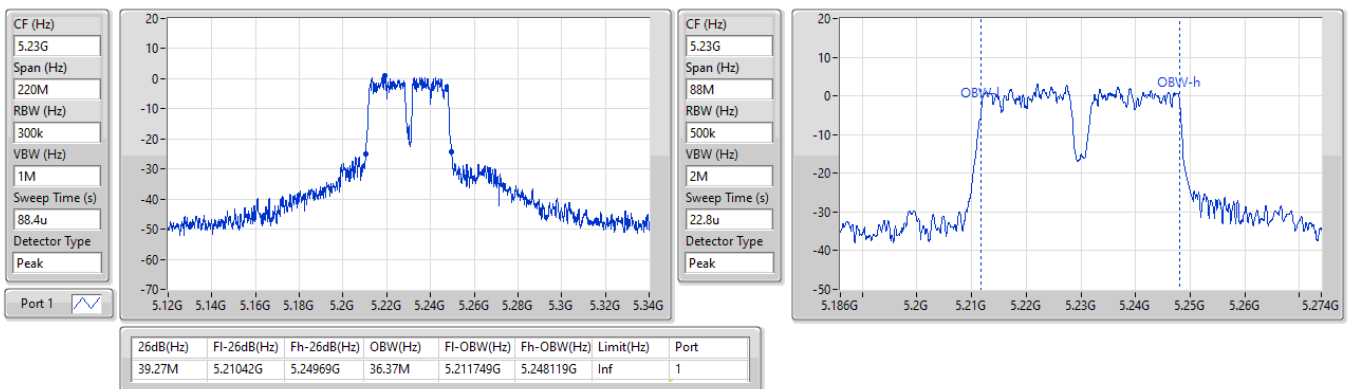


5.15-5.25GHz_a40_Nss1,(6Mbps)_1TX

EBW

5230MHz

09/11/2024

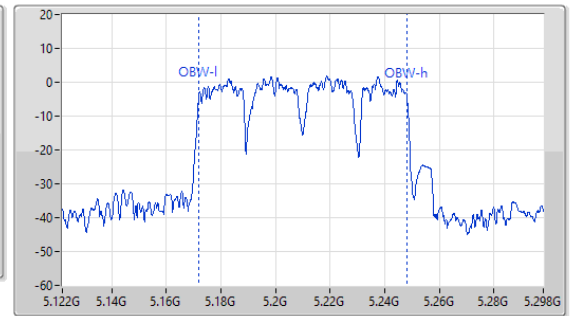
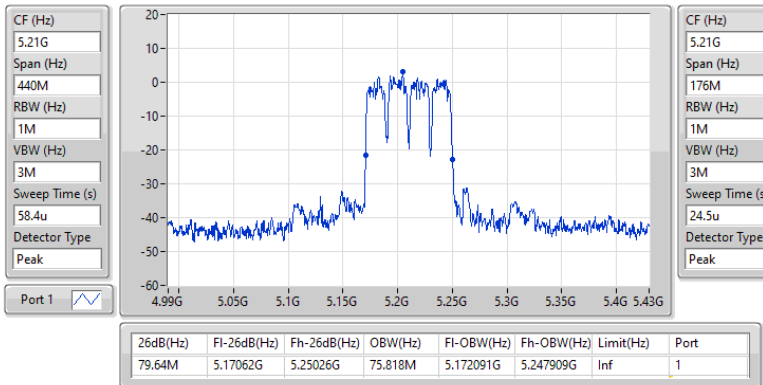


5.15-5.25GHz_a80_Nss1,(6Mbps)_1TX

EBW

5210MHz

09/11/2024

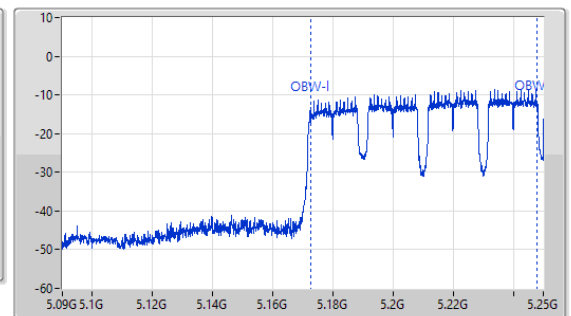
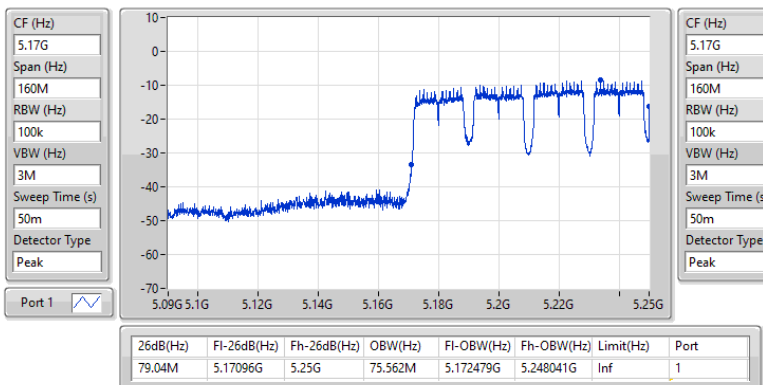


5.15-5.25GHz_a160_Nss1,(6Mbps)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

06/12/2024

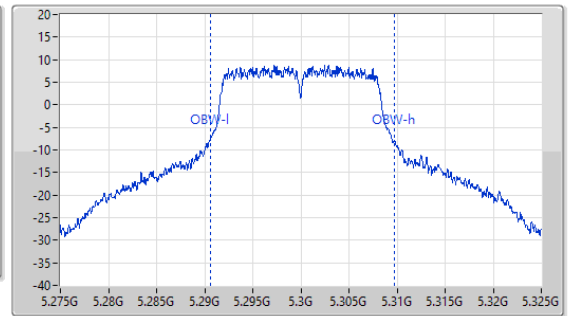
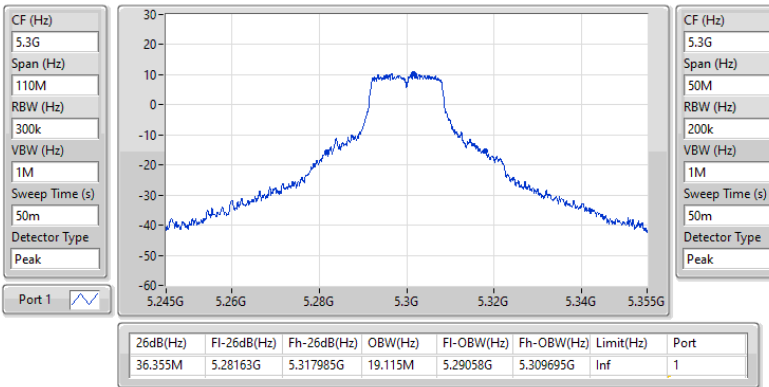


5.25-5.35GHz_a20_Nss1,(6Mbps)_1TX

EBW

5300MHz

06/12/2024

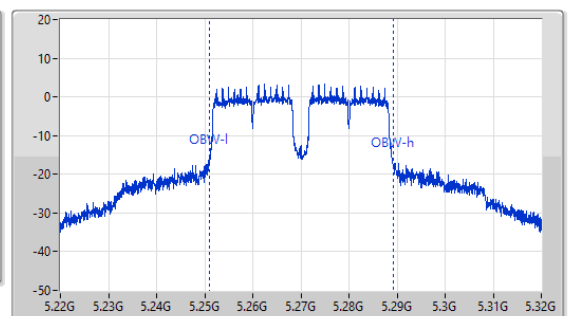
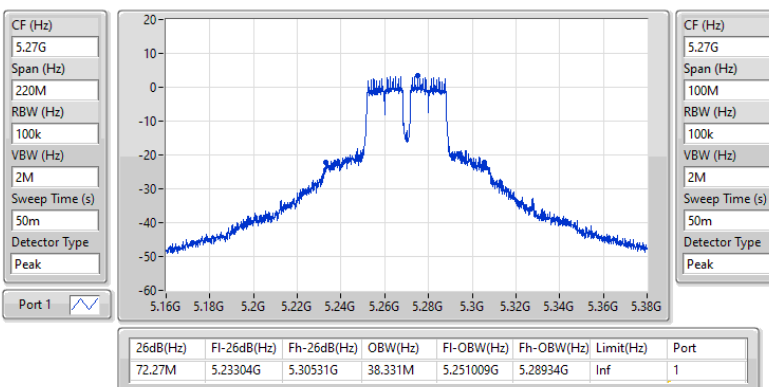


5.25-5.35GHz_a40_Nss1,(6Mbps)_1TX

EBW

5270MHz

06/12/2024

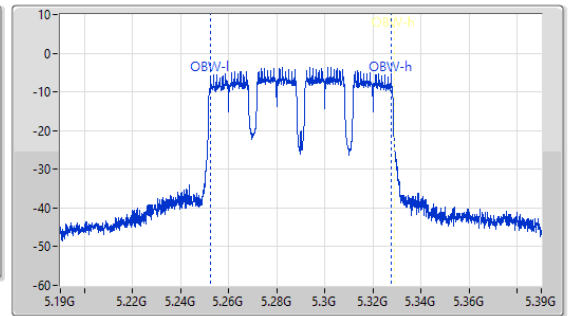
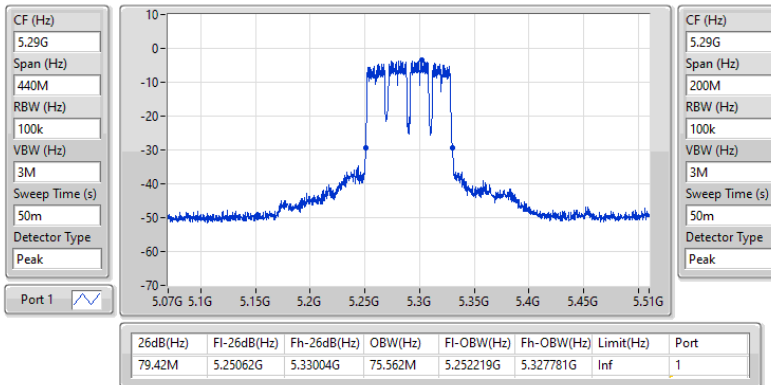


5.25-5.35GHz_a80_Nss1,(6Mbps)_1TX

EBW

5290MHz

06/12/2024

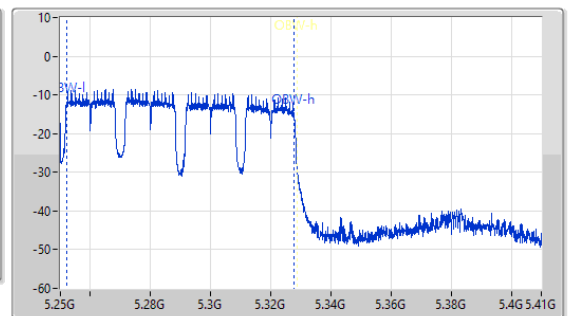
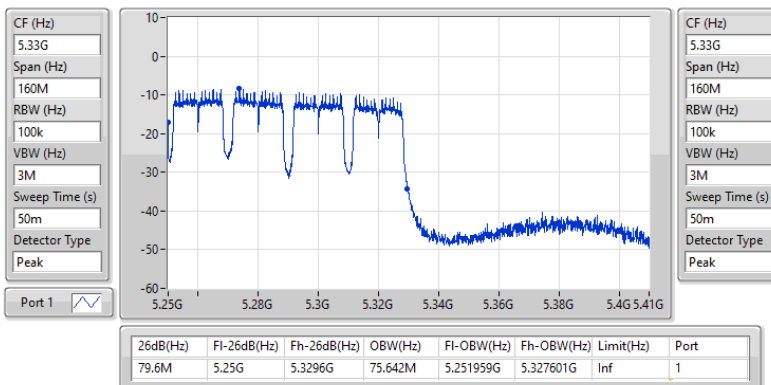


5.25-5.35GHz_a160_Nss1,(6Mbps)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

06/12/2024

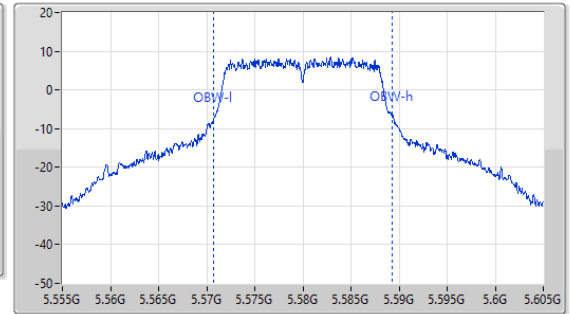
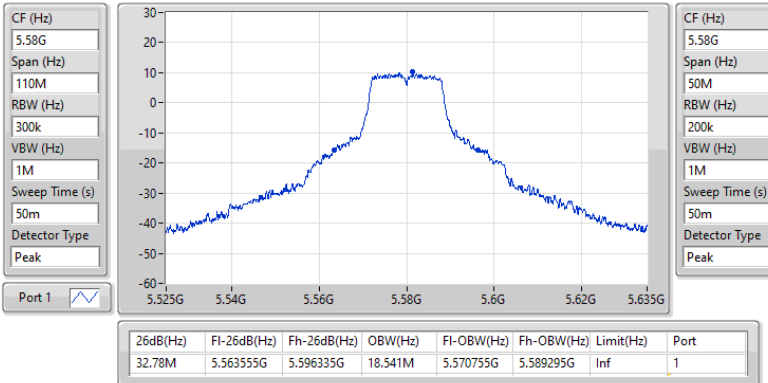


5.47-5.725GHz_a20_Nss1,(6Mbps)_1TX

EBW

5580MHz

06/12/2024

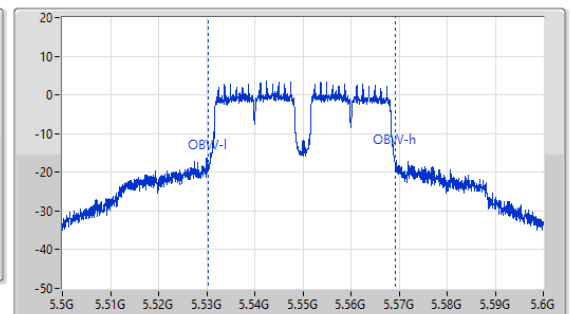
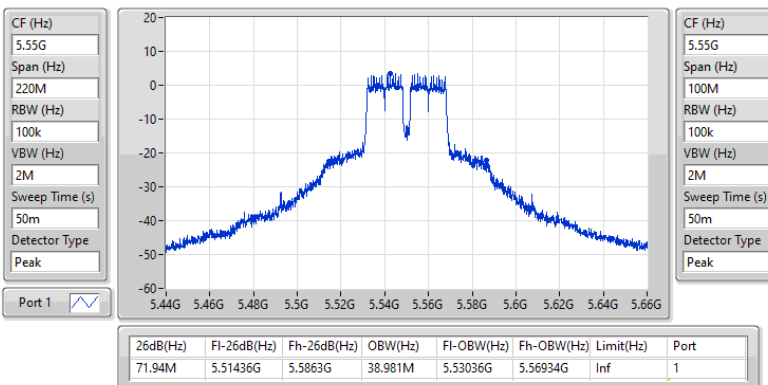


5.47-5.725GHz_a40_Nss1,(6Mbps)_1TX

EBW

5550MHz

06/12/2024

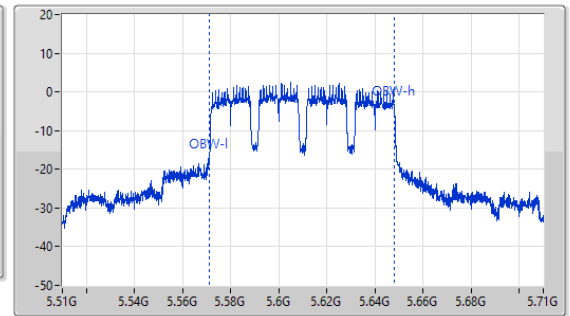
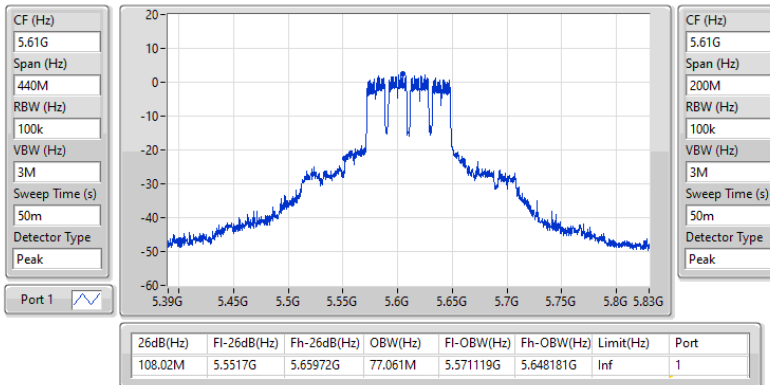


5.47-5.725GHz_a80_Nss1,(6Mbps)_1TX

EBW

5610MHz

06/12/2024

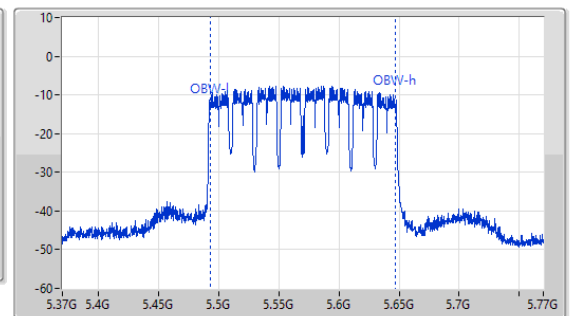
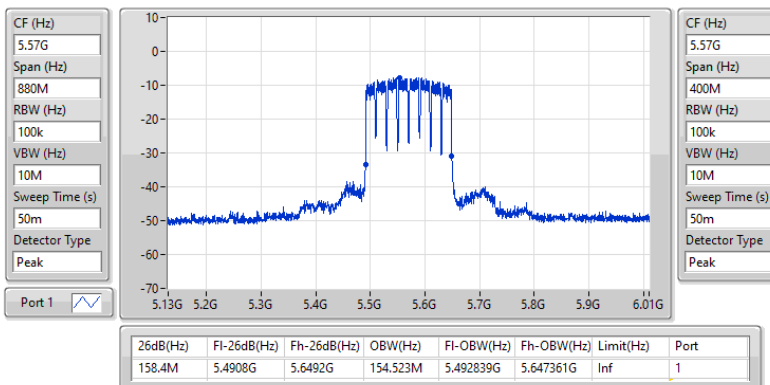


5.47-5.725GHz_a160_Nss1,(6Mbps)_1TX

EBW

5570MHz

06/12/2024

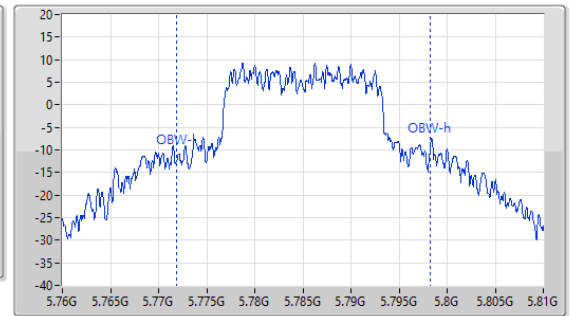
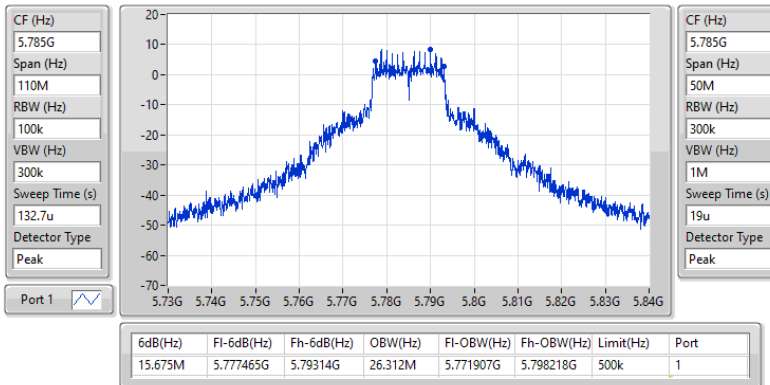


5.725-5.85GHz_a20_Nss1,(6Mbps)_1TX

EBW

5785MHz

12/11/2024

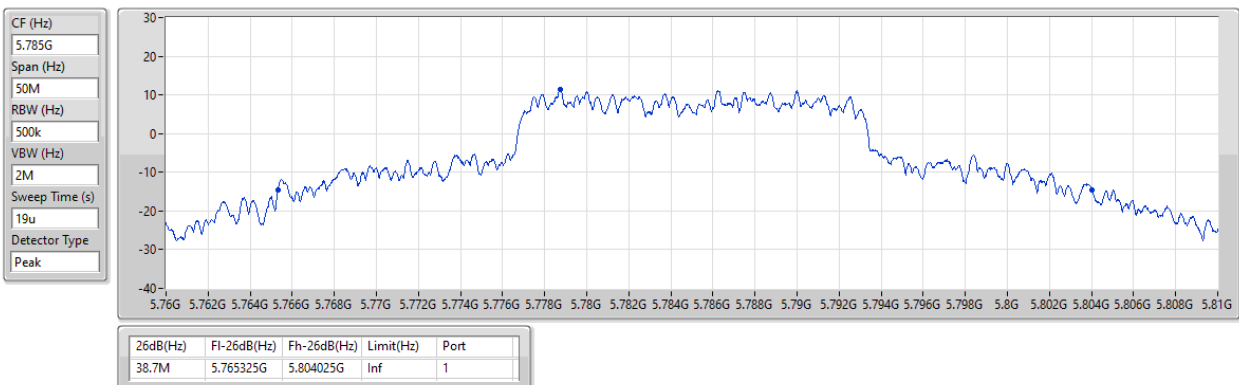


5.725-5.85GHz_a20_Nss1,(6Mbps)_1TX

EBW

5785MHz

12/11/2024

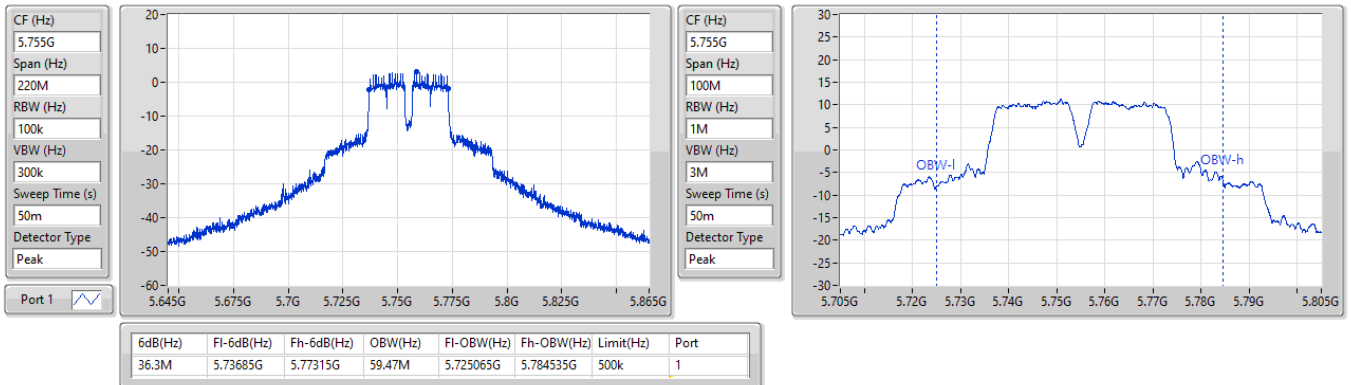


5.725-5.85GHz_a40_Nss1,(6Mbps)_1TX

EBW

5755MHz

12/11/2024

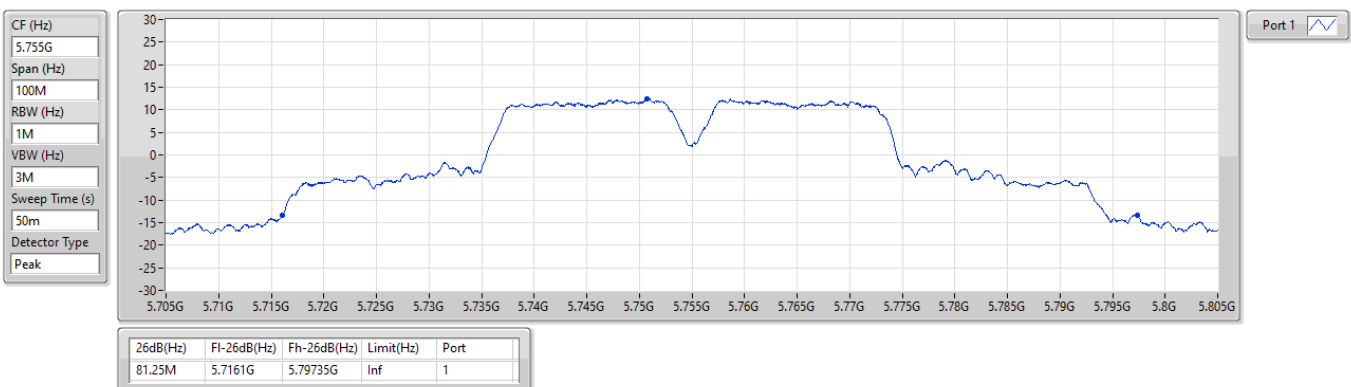


5.725-5.85GHz_a40_Nss1,(6Mbps)_1TX

EBW

5755MHz

12/11/2024

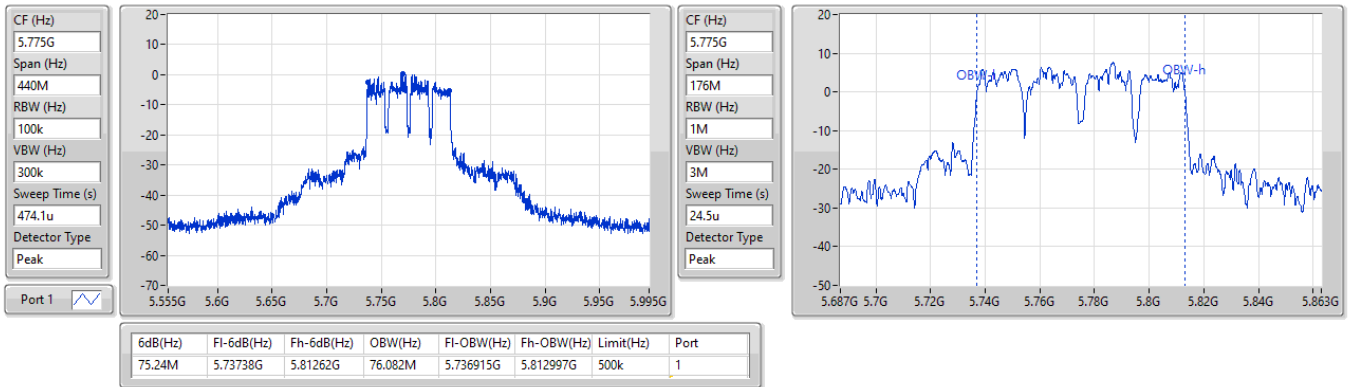


5.725-5.85GHz_11a80_80MHz_Nss1,(6Mbps)_1TX

EBW

5775MHz

09/11/2024

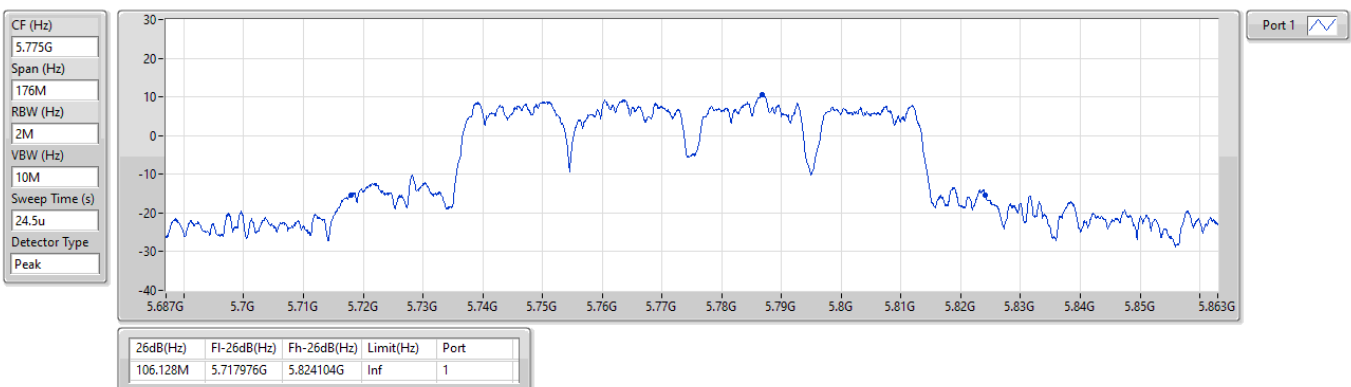


5.725-5.85GHz_11a80_80MHz_Nss1,(6Mbps)_1TX

EBW

5775MHz

09/11/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	18.17	0.06561
802.11be EHT20_Nss1,(MCS0)_1TX	18.37	0.06871
802.11be EHT40_Nss1,(MCS0)_1TX	18.84	0.07656
802.11be EHT80_Nss1,(MCS0)_1TX	18.17	0.06561
802.11be EHT160_Nss1,(MCS0)_1TX	15.99	0.03972
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	18.52	0.07112
802.11be EHT20_Nss1,(MCS0)_1TX	18.50	0.07079
802.11be EHT40_Nss1,(MCS0)_1TX	19.07	0.08072
802.11be EHT80_Nss1,(MCS0)_1TX	18.20	0.06607
802.11be EHT160_Nss1,(MCS0)_1TX	14.71	0.02958
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	18.78	0.07551
802.11be EHT20_Nss1,(MCS0)_1TX	18.75	0.07499
802.11be EHT40_Nss1,(MCS0)_1TX	19.60	0.09120
802.11be EHT80_Nss1,(MCS0)_1TX	19.01	0.07962
802.11be EHT160_Nss1,(MCS0)_1TX	16.16	0.04130
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.60	0.09120
802.11be EHT20_Nss1,(MCS0)_1TX	19.88	0.09727
802.11be EHT40_Nss1,(MCS0)_1TX	19.39	0.08690
802.11be EHT80_Nss1,(MCS0)_1TX	18.62	0.07278

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	2.94	18.12	18.12	30.00
5200MHz	Pass	2.94	18.17	18.17	30.00
5240MHz	Pass	2.94	18.14	18.14	30.00
5260MHz	Pass	3.56	18.52	18.52	23.98
5300MHz	Pass	3.56	18.13	18.13	23.98
5320MHz	Pass	3.56	18.05	18.05	23.98
5500MHz	Pass	4.68	18.78	18.78	23.98
5580MHz	Pass	4.68	18.21	18.21	23.98
5700MHz	Pass	4.68	16.77	16.77	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	18.62	18.62	23.73
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	12.36	12.36	30.00
5745MHz	Pass	5.34	19.60	19.60	30.00
5785MHz	Pass	5.34	18.63	18.63	30.00
5825MHz	Pass	5.34	18.32	18.32	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	2.94	18.12	18.12	30.00
5200MHz	Pass	2.94	18.37	18.37	30.00
5240MHz	Pass	2.94	18.28	18.28	30.00
5260MHz	Pass	3.56	18.50	18.50	23.98
5300MHz	Pass	3.56	18.14	18.14	23.98
5320MHz	Pass	3.56	18.11	18.11	23.98
5500MHz	Pass	4.68	18.75	18.75	23.98
5580MHz	Pass	4.68	18.12	18.12	23.98
5700MHz	Pass	4.68	15.08	15.08	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	18.42	18.42	23.98
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	13.29	13.29	30.00
5745MHz	Pass	5.34	19.88	19.88	30.00
5785MHz	Pass	5.34	18.81	18.81	30.00
5825MHz	Pass	5.34	18.46	18.46	30.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	2.94	18.54	18.54	30.00
5230MHz	Pass	2.94	18.84	18.84	30.00
5270MHz	Pass	3.56	19.07	19.07	23.98
5310MHz	Pass	3.56	18.29	18.29	23.98
5510MHz	Pass	4.68	18.34	18.34	23.98
5550MHz	Pass	4.68	18.69	18.69	23.98
5670MHz	Pass	4.68	18.98	18.98	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.68	19.60	19.60	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	9.90	9.90	30.00
5755MHz	Pass	5.34	19.39	19.39	30.00
5795MHz	Pass	5.34	18.35	18.35	30.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	2.94	18.17	18.17	30.00
5290MHz	Pass	3.56	18.20	18.20	23.98
5530MHz	Pass	4.68	18.25	18.25	23.98
5610MHz	Pass	4.68	18.18	18.18	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.68	19.01	19.01	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	5.61	5.61	30.00
5775MHz	Pass	5.34	18.62	18.62	30.00
802.11be EHT160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.94	15.99	15.99	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.56	14.71	14.71	23.98
5570MHz	Pass	4.68	16.16	16.16	23.98



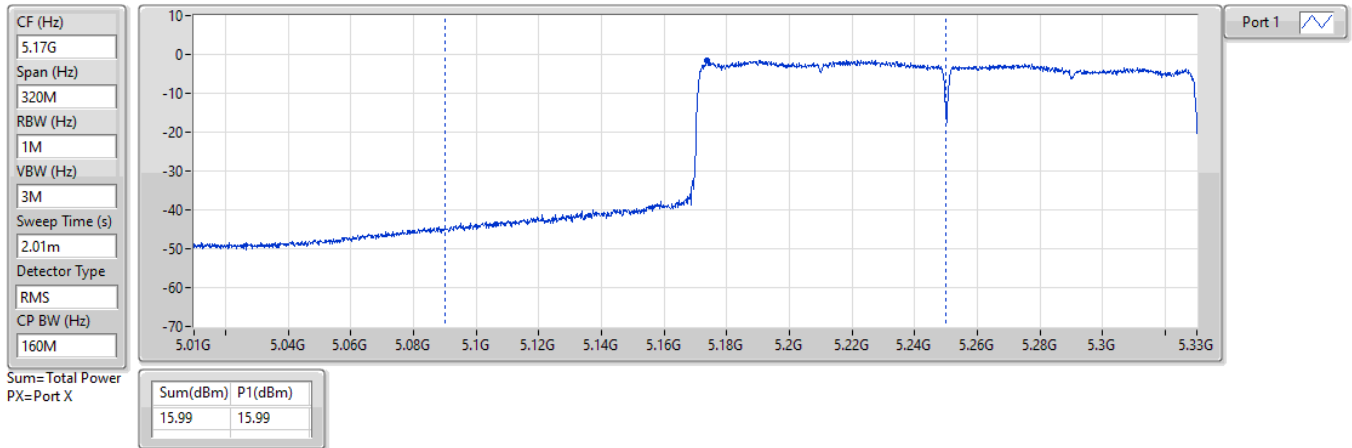
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

19/10/2024

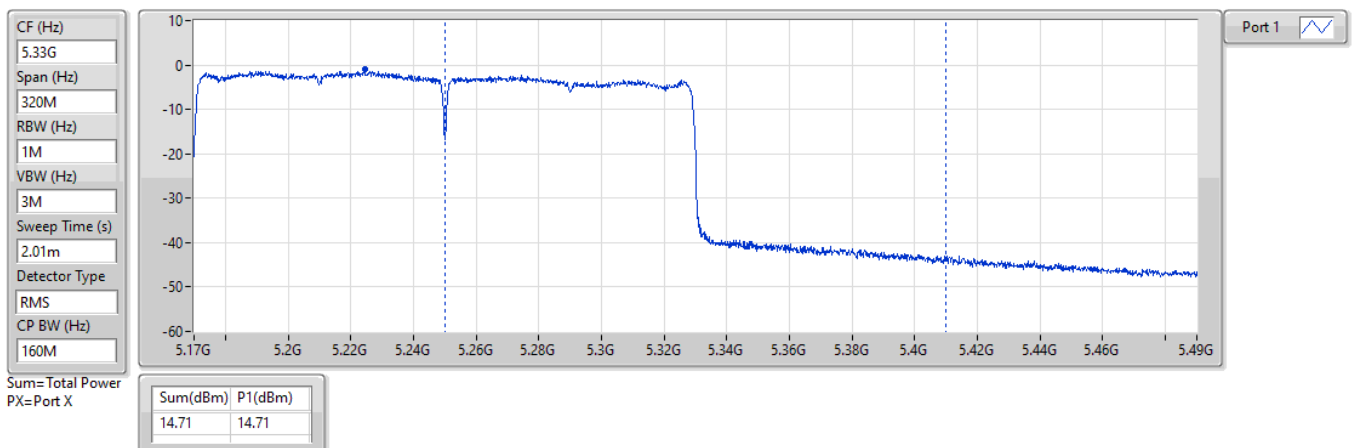


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_1TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

19/10/2024

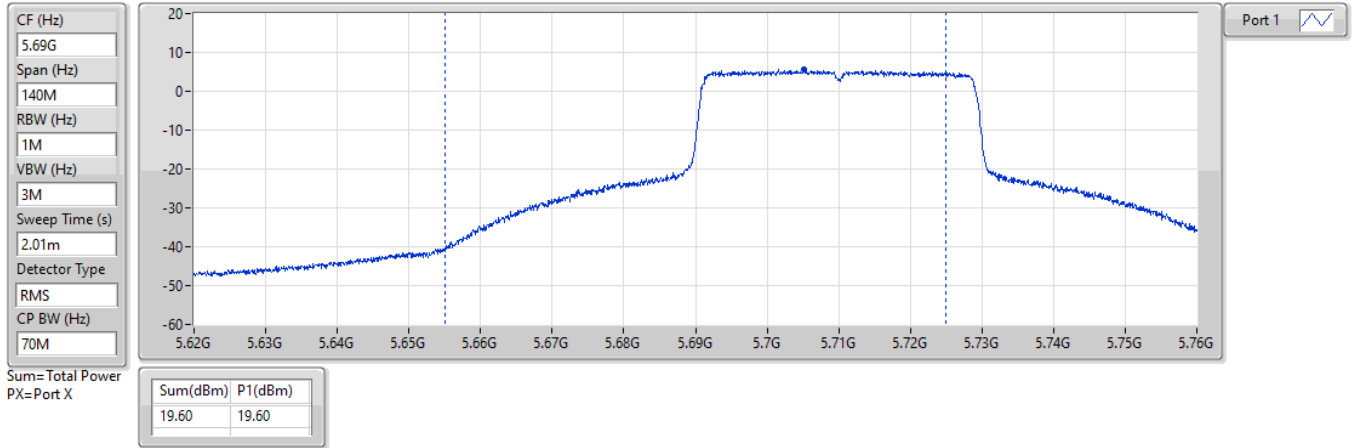


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

19/10/2024

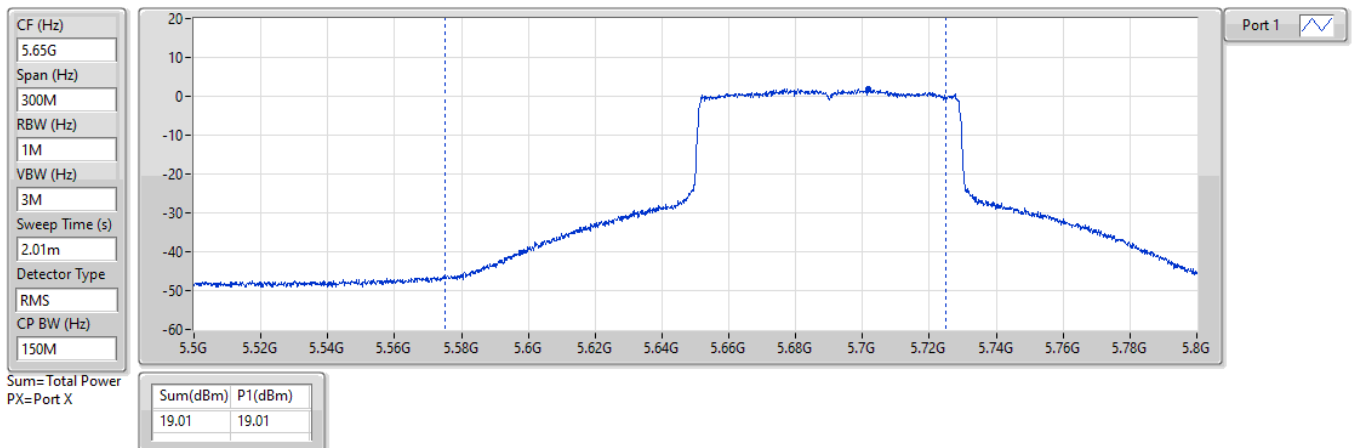


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

19/10/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.81	0.15171
802.11be EHT20_Nss1,(MCS0)_2TX	21.76	0.14997
802.11be EHT40_Nss1,(MCS0)_2TX	22.26	0.16827
802.11be EHT80_Nss1,(MCS0)_2TX	21.58	0.14388
802.11be EHT160_Nss1,(MCS0)_2TX	18.15	0.06531
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	21.98	0.15776
802.11be EHT20_Nss1,(MCS0)_2TX	22.13	0.16331
802.11be EHT40_Nss1,(MCS0)_2TX	22.36	0.17219
802.11be EHT80_Nss1,(MCS0)_2TX	21.73	0.14894
802.11be EHT160_Nss1,(MCS0)_2TX	18.00	0.06310
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.08	0.16144
802.11be EHT20_Nss1,(MCS0)_2TX	22.20	0.16596
802.11be EHT40_Nss1,(MCS0)_2TX	22.55	0.17989
802.11be EHT80_Nss1,(MCS0)_2TX	22.07	0.16106
802.11be EHT160_Nss1,(MCS0)_2TX	18.83	0.07638
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.90	0.19498
802.11be EHT20_Nss1,(MCS0)_2TX	22.99	0.19907
802.11be EHT40_Nss1,(MCS0)_2TX	22.84	0.19231
802.11be EHT80_Nss1,(MCS0)_2TX	22.04	0.15996

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.94	18.20	18.59	21.41	30.00
5200MHz	Pass	2.94	18.17	18.88	21.55	30.00
5240MHz	Pass	2.94	18.42	19.15	21.81	30.00
5260MHz	Pass	3.56	18.46	19.43	21.98	23.98
5300MHz	Pass	3.56	18.10	19.38	21.80	23.98
5320MHz	Pass	3.56	18.06	19.16	21.66	23.98
5500MHz	Pass	4.68	18.77	19.35	22.08	23.98
5580MHz	Pass	4.68	18.21	18.75	21.50	23.98
5700MHz	Pass	4.68	14.24	14.34	17.30	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	18.47	19.19	21.86	23.23
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	12.30	13.04	15.70	30.00
5745MHz	Pass	5.34	19.72	20.05	22.90	30.00
5785MHz	Pass	5.34	18.82	19.54	22.21	30.00
5825MHz	Pass	5.34	18.23	18.38	21.32	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.94	18.17	18.69	21.45	30.00
5200MHz	Pass	2.94	18.36	18.97	21.69	30.00
5240MHz	Pass	2.94	18.31	19.15	21.76	30.00
5260MHz	Pass	3.56	18.67	19.53	22.13	23.98
5300MHz	Pass	3.56	18.12	19.39	21.81	23.98
5320MHz	Pass	3.56	18.09	19.36	21.78	23.98
5500MHz	Pass	4.68	18.86	19.49	22.20	23.98
5580MHz	Pass	4.68	18.06	19.00	21.57	23.98
5700MHz	Pass	4.68	13.94	14.03	17.00	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	18.36	19.08	21.75	23.19
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	13.40	13.93	16.68	30.00
5745MHz	Pass	5.34	19.88	20.07	22.99	30.00
5785MHz	Pass	5.34	18.80	19.56	22.21	30.00
5825MHz	Pass	5.34	18.29	18.70	21.51	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	2.94	18.63	19.17	21.92	30.00
5230MHz	Pass	2.94	18.94	19.54	22.26	30.00
5270MHz	Pass	3.56	19.11	19.58	22.36	23.98
5310MHz	Pass	3.56	18.37	19.39	21.92	23.98
5510MHz	Pass	4.68	18.95	19.67	22.34	23.98
5550MHz	Pass	4.68	18.61	19.56	22.12	23.98
5670MHz	Pass	4.68	17.81	18.23	21.04	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.68	19.58	19.50	22.55	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	9.92	9.96	12.95	30.00

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
5755MHz	Pass	5.34	19.38	20.24	22.84	30.00
5795MHz	Pass	5.34	18.41	19.57	22.04	30.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.94	18.13	18.97	21.58	30.00
5290MHz	Pass	3.56	18.16	19.22	21.73	23.98
5530MHz	Pass	4.68	17.64	18.51	21.11	23.98
5610MHz	Pass	4.68	18.01	18.96	21.52	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.68	18.92	19.19	22.07	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	5.45	5.61	8.54	30.00
5775MHz	Pass	5.34	18.53	19.48	22.04	30.00
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.94	15.34	14.92	18.15	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.56	14.03	15.77	18.00	23.98
5570MHz	Pass	4.68	15.64	16.00	18.83	23.98

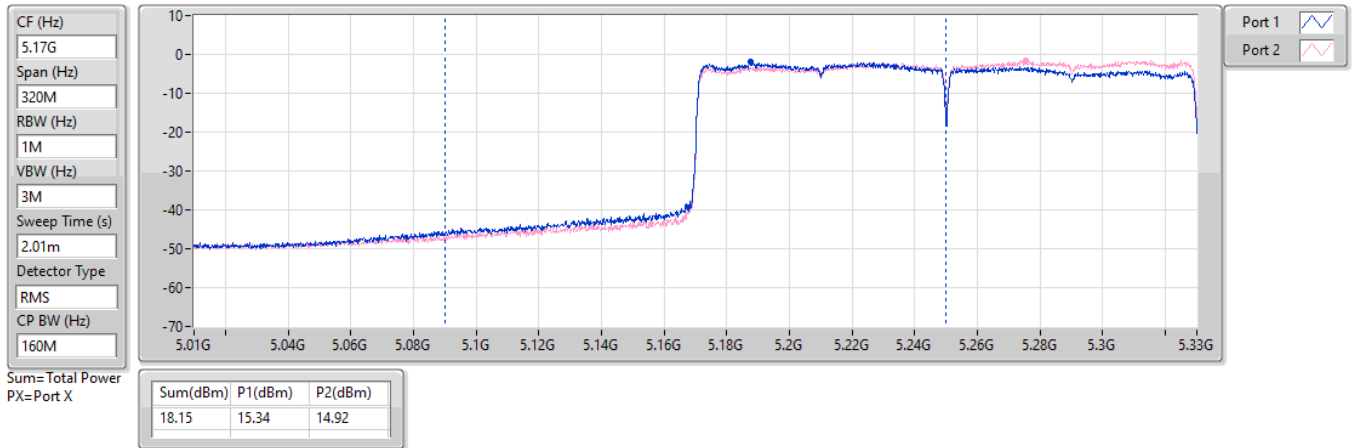
DG = Directional Gain; Port X = Port X output power
 Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

19/10/2024

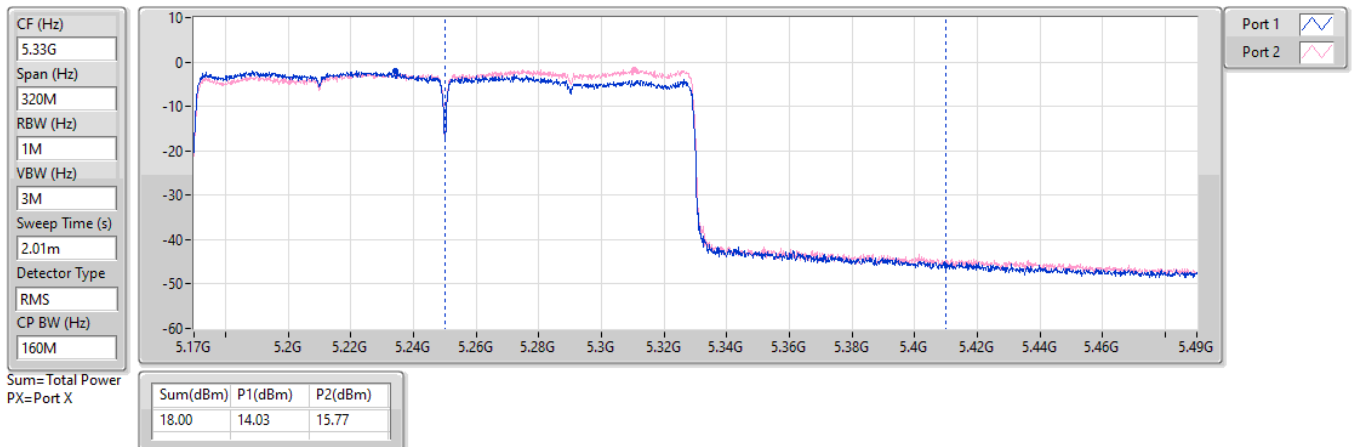


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

19/10/2024

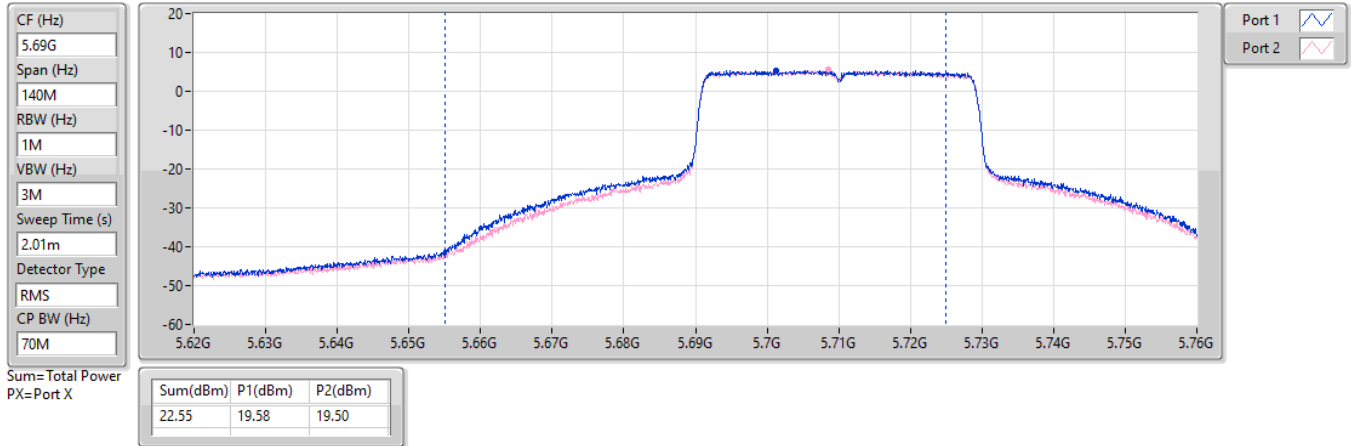


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

19/10/2024

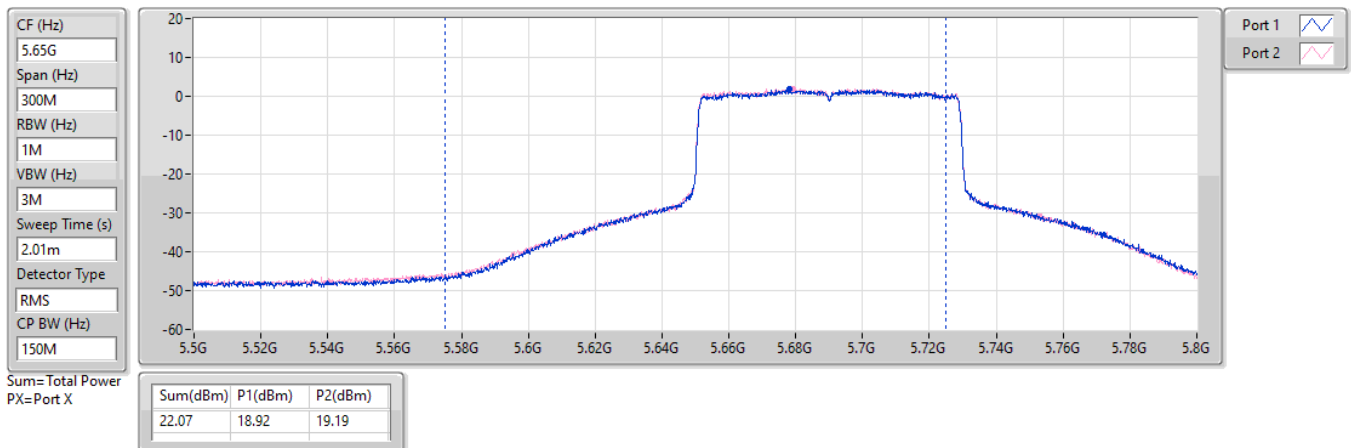


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

19/10/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	21.81	0.15171
802.11be EHT40_Nss2,(MCS0)_2TX	22.24	0.16749
802.11be EHT80_Nss2,(MCS0)_2TX	21.66	0.14655
802.11be EHT160_Nss2,(MCS0)_2TX	18.11	0.06471
5.25-5.35GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	22.10	0.16218
802.11be EHT40_Nss2,(MCS0)_2TX	22.34	0.17140
802.11be EHT80_Nss2,(MCS0)_2TX	21.75	0.14962
802.11be EHT160_Nss2,(MCS0)_2TX	17.88	0.06138
5.47-5.725GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	22.14	0.16368
802.11be EHT40_Nss2,(MCS0)_2TX	22.49	0.17742
802.11be EHT80_Nss2,(MCS0)_2TX	22.02	0.15922
802.11be EHT160_Nss2,(MCS0)_2TX	18.75	0.07499
5.725-5.85GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	23.09	0.20370
802.11be EHT40_Nss2,(MCS0)_2TX	22.92	0.19588
802.11be EHT80_Nss2,(MCS0)_2TX	22.06	0.16069



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.94	18.14	18.78	21.48	30.00
5200MHz	Pass	2.94	18.36	18.82	21.61	30.00
5240MHz	Pass	2.94	18.22	19.31	21.81	30.00
5260MHz	Pass	3.56	18.73	19.43	22.10	23.98
5300MHz	Pass	3.56	18.13	19.48	21.87	23.98
5320MHz	Pass	3.56	18.04	19.22	21.68	23.98
5500MHz	Pass	4.68	18.90	19.35	22.14	23.98
5580MHz	Pass	4.68	18.05	18.98	21.55	23.98
5700MHz	Pass	4.68	14.66	14.78	17.73	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	18.29	19.07	21.71	23.58
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	13.22	13.87	16.57	30.00
5745MHz	Pass	5.34	19.82	20.32	23.09	30.00
5785MHz	Pass	5.34	18.87	19.47	22.19	30.00
5825MHz	Pass	5.34	18.35	18.47	21.42	30.00
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	2.94	18.54	19.16	21.87	30.00
5230MHz	Pass	2.94	18.91	19.53	22.24	30.00
5270MHz	Pass	3.56	19.12	19.53	22.34	23.98
5310MHz	Pass	3.56	18.44	19.39	21.95	23.98
5510MHz	Pass	4.68	18.50	19.31	21.93	23.98
5550MHz	Pass	4.68	18.56	19.52	22.08	23.98
5670MHz	Pass	4.68	18.91	19.49	22.22	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	4.68	19.42	19.53	22.49	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	9.73	9.93	12.84	30.00
5755MHz	Pass	5.34	19.41	20.35	22.92	30.00
5795MHz	Pass	5.34	18.36	19.58	22.02	30.00
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.94	18.19	19.06	21.66	30.00
5290MHz	Pass	3.56	18.30	19.13	21.75	23.98
5530MHz	Pass	4.68	18.02	18.84	21.46	23.98
5610MHz	Pass	4.68	18.08	18.74	21.43	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	4.68	18.85	19.16	22.02	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	5.38	5.62	8.51	30.00
5775MHz	Pass	5.34	18.54	19.51	22.06	30.00
802.11be EHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.94	15.30	14.88	18.11	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.56	13.85	15.69	17.88	23.98
5570MHz	Pass	4.68	15.44	16.02	18.75	23.98

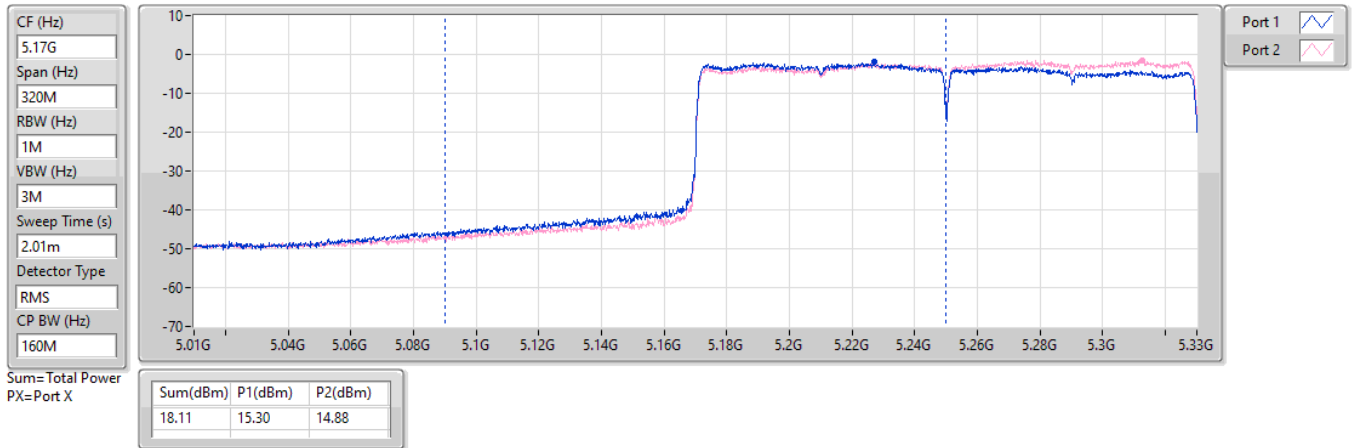
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

19/10/2024

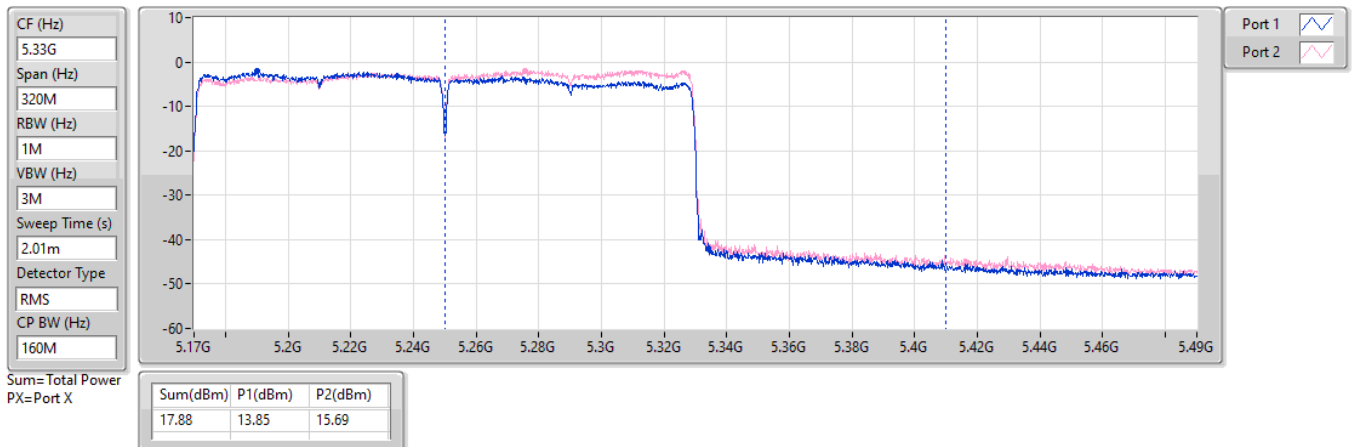


5.25-5.35GHz_802.11be EHT160_Nss2,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

19/10/2024

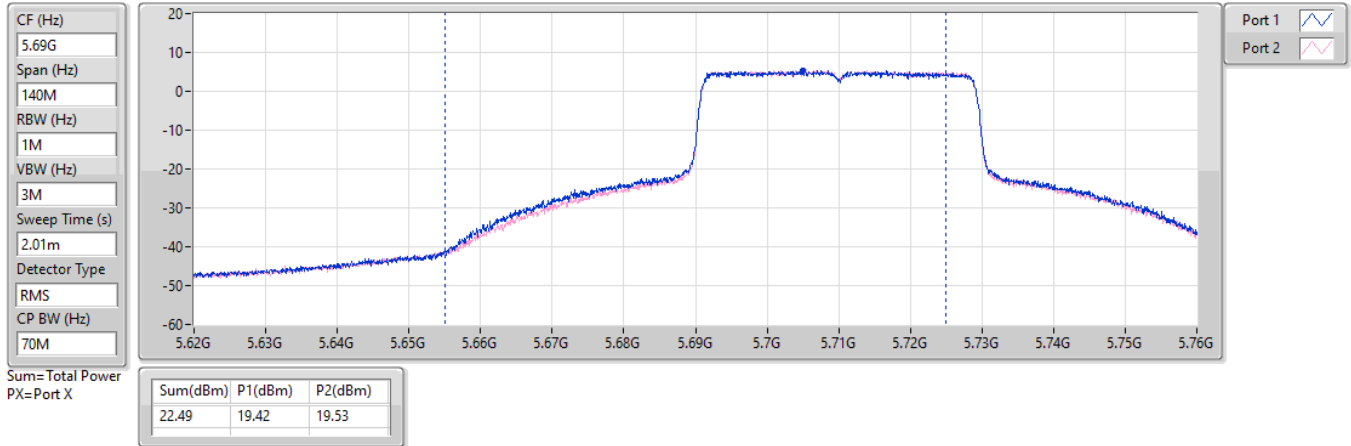


5.47-5.725GHz_802.11be EHT40_Nss2,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

19/10/2024

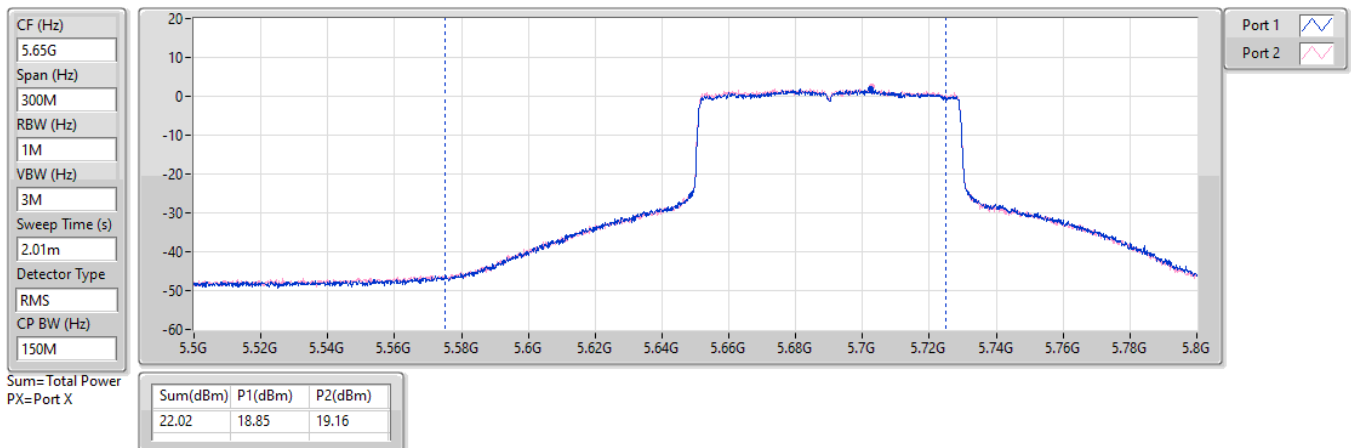


5.47-5.725GHz_802.11be EHT80_Nss2,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

19/10/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	21.76	0.14997
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.26	0.16827
802.11be EHT80-BF_Nss1,(MCS0)_2TX	21.58	0.14388
802.11be EHT160-BF_Nss1,(MCS0)_2TX	18.15	0.06531
5.25-5.35GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.13	0.16331
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.36	0.17219
802.11be EHT80-BF_Nss1,(MCS0)_2TX	21.73	0.14894
802.11be EHT160-BF_Nss1,(MCS0)_2TX	18.00	0.06310
5.47-5.725GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.20	0.16596
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.55	0.17989
802.11be EHT80-BF_Nss1,(MCS0)_2TX	22.07	0.16106
802.11be EHT160-BF_Nss1,(MCS0)_2TX	18.83	0.07638
5.725-5.85GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.99	0.19907
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.84	0.19231
802.11be EHT80-BF_Nss1,(MCS0)_2TX	22.04	0.15996



Average Power Beamforming Radio 2 2T1S

Appendix C.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.19	18.17	18.69	21.45	30.00
5200MHz	Pass	3.19	18.36	18.97	21.69	30.00
5240MHz	Pass	3.19	18.31	19.15	21.76	30.00
5260MHz	Pass	4.60	18.67	19.53	22.13	23.98
5300MHz	Pass	4.60	18.12	19.39	21.81	23.98
5320MHz	Pass	4.60	18.09	19.36	21.78	23.98
5500MHz	Pass	5.41	18.86	19.49	22.20	23.98
5580MHz	Pass	5.41	18.06	19.00	21.57	23.98
5700MHz	Pass	5.41	13.94	14.03	17.00	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.41	18.36	19.08	21.75	23.19
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	13.40	13.93	16.68	30.00
5745MHz	Pass	5.34	19.88	20.07	22.99	30.00
5785MHz	Pass	5.34	18.80	19.56	22.21	30.00
5825MHz	Pass	5.34	18.29	18.70	21.51	30.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.19	18.63	19.17	21.92	30.00
5230MHz	Pass	3.19	18.94	19.54	22.26	30.00
5270MHz	Pass	4.60	19.11	19.58	22.36	23.98
5310MHz	Pass	4.60	18.37	19.39	21.92	23.98
5510MHz	Pass	5.41	18.95	19.67	22.34	23.98
5550MHz	Pass	5.41	18.61	19.56	22.12	23.98
5670MHz	Pass	5.41	17.81	18.23	21.04	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.41	19.58	19.50	22.55	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	9.92	9.96	12.95	30.00
5755MHz	Pass	5.34	19.38	20.24	22.84	30.00
5795MHz	Pass	5.34	18.41	19.57	22.04	30.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.19	18.13	18.97	21.58	30.00
5290MHz	Pass	4.60	18.16	19.22	21.73	23.98
5530MHz	Pass	5.41	17.64	18.51	21.11	23.98
5610MHz	Pass	5.41	18.01	18.96	21.52	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.41	18.92	19.19	22.07	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	5.45	5.61	8.54	30.00
5775MHz	Pass	5.34	18.53	19.48	22.04	30.00
802.11be EHT160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.19	15.34	14.92	18.15	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.60	14.03	15.77	18.00	23.98
5570MHz	Pass	5.41	15.64	16.00	18.83	23.98

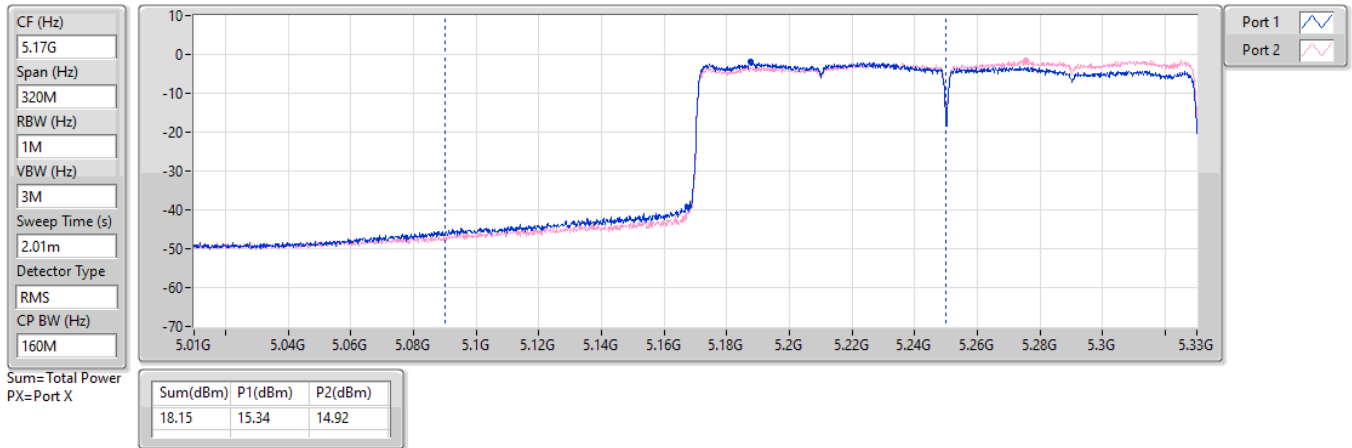
DG = Directional Gain; Port X = Port X output power
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT160-BF_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

19/10/2024

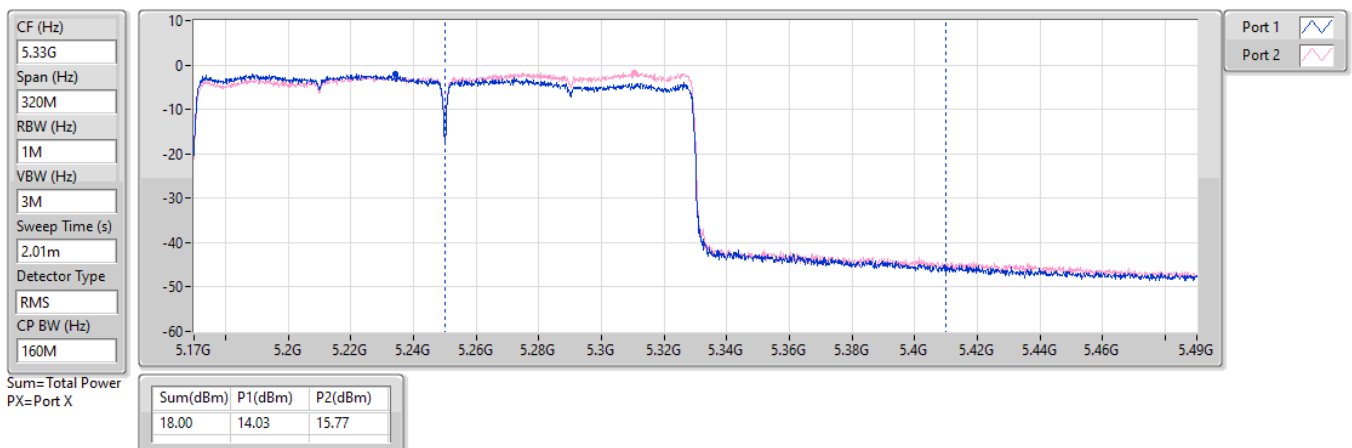


5.25-5.35GHz_802.11be EHT160-BF_Nss1,(MCS0)_2TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

19/10/2024

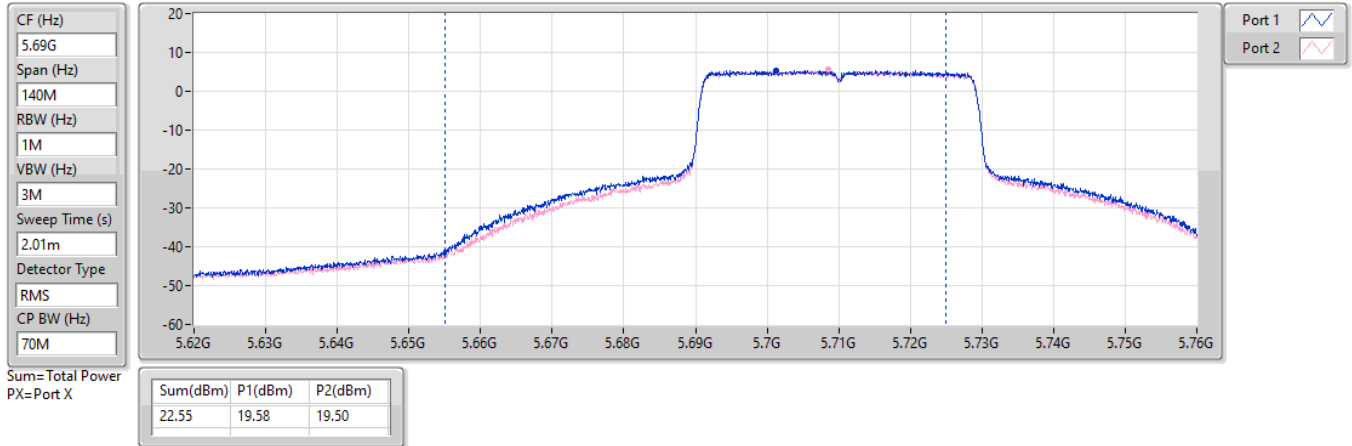


5.47-5.725GHz_802.11be EHT40-BF_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

19/10/2024

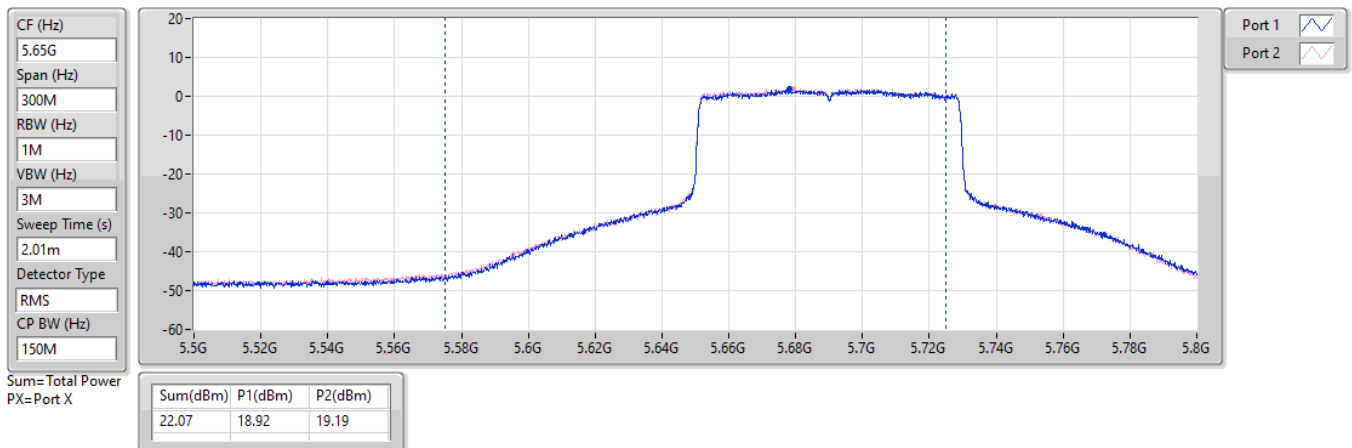


5.47-5.725GHz_802.11be EHT80-BF_Nss1,(MCS0)_2TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

19/10/2024



**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	19.14	0.08204
802.11be EHT20_Nss1,(MCS0)_1TX	19.11	0.08147
802.11be EHT40_Nss1,(MCS0)_1TX	19.50	0.08913
802.11be EHT80_Nss1,(MCS0)_1TX	18.99	0.07925
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	20.25	0.10593
802.11be EHT20_Nss1,(MCS0)_1TX	20.42	0.11015
802.11be EHT40_Nss1,(MCS0)_1TX	20.12	0.10280
802.11be EHT80_Nss1,(MCS0)_1TX	19.24	0.08395

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.49	19.14	19.14	30.00
5200MHz	Pass	3.49	18.71	18.71	30.00
5240MHz	Pass	3.49	18.03	18.03	30.00
5260MHz	Pass	3.73	19.11	19.11	23.98
5300MHz	Pass	3.73	20.15	20.15	23.98
5320MHz	Pass	3.73	20.25	20.25	23.98
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.49	19.11	19.11	30.00
5200MHz	Pass	3.49	18.73	18.73	30.00
5240MHz	Pass	3.49	18.05	18.05	30.00
5260MHz	Pass	3.73	19.17	19.17	23.98
5300MHz	Pass	3.73	20.29	20.29	23.98
5320MHz	Pass	3.73	20.42	20.42	23.98
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.49	19.50	19.50	30.00
5230MHz	Pass	3.49	18.35	18.35	30.00
5270MHz	Pass	3.73	19.83	19.83	23.98
5310MHz	Pass	3.73	20.12	20.12	23.98
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.49	18.99	18.99	30.00
5290MHz	Pass	3.73	19.24	19.24	23.98

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	22.35	0.17179
802.11be EHT20_Nss1,(MCS0)_2TX	22.41	0.17418
802.11be EHT40_Nss1,(MCS0)_2TX	22.51	0.17824
802.11be EHT80_Nss1,(MCS0)_2TX	21.15	0.13032
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	23.15	0.20654
802.11be EHT20_Nss1,(MCS0)_2TX	23.23	0.21038
802.11be EHT40_Nss1,(MCS0)_2TX	22.68	0.18535
802.11be EHT80_Nss1,(MCS0)_2TX	20.67	0.11668



Resul

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.49	19.09	19.58	22.35	30.00
5200MHz	Pass	3.49	18.79	19.22	22.02	30.00
5240MHz	Pass	3.49	18.03	18.14	21.10	30.00
5260MHz	Pass	3.73	19.06	18.95	22.02	23.98
5300MHz	Pass	3.73	20.11	19.92	23.03	23.98
5320MHz	Pass	3.73	20.54	19.69	23.15	23.98
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.49	19.17	19.62	22.41	30.00
5200MHz	Pass	3.49	18.81	19.24	22.04	30.00
5240MHz	Pass	3.49	18.05	18.19	21.13	30.00
5260MHz	Pass	3.73	19.16	19.35	22.27	23.98
5300MHz	Pass	3.73	20.36	20.07	23.23	23.98
5320MHz	Pass	3.73	20.43	19.83	23.15	23.98
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.49	19.54	19.46	22.51	30.00
5230MHz	Pass	3.49	18.42	18.37	21.41	30.00
5270MHz	Pass	3.73	19.71	19.63	22.68	23.98
5310MHz	Pass	3.73	19.29	18.63	21.98	23.98
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.49	18.09	18.19	21.15	30.00
5290MHz	Pass	3.73	17.70	17.61	20.67	23.98

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



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	22.48	0.17701
802.11be EHT40_Nss2,(MCS0)_2TX	22.60	0.18197
802.11be EHT80_Nss2,(MCS0)_2TX	21.23	0.13274
5.25-5.35GHz	-	-
802.11be EHT20_Nss2,(MCS0)_2TX	23.27	0.21232
802.11be EHT40_Nss2,(MCS0)_2TX	22.73	0.18750
802.11be EHT80_Nss2,(MCS0)_2TX	21.29	0.13459

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.49	19.16	19.76	22.48	30.00
5200MHz	Pass	3.49	18.98	19.25	22.13	30.00
5240MHz	Pass	3.49	18.09	18.27	21.19	30.00
5260MHz	Pass	3.73	19.28	19.14	22.22	23.98
5300MHz	Pass	3.73	20.46	20.06	23.27	23.98
5320MHz	Pass	3.73	20.54	19.84	23.21	23.98
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.49	19.70	19.48	22.60	30.00
5230MHz	Pass	3.49	18.47	18.56	21.53	30.00
5270MHz	Pass	3.73	19.85	19.59	22.73	23.98
5310MHz	Pass	3.73	19.90	19.29	22.62	23.98
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.49	18.20	18.24	21.23	30.00
5290MHz	Pass	3.73	18.29	18.26	21.29	23.98

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	22.41	0.17418
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.51	0.17824
802.11be EHT80-BF_Nss1,(MCS0)_2TX	21.15	0.13032
5.25-5.35GHz	-	-
802.11be EHT20-BF_Nss1,(MCS0)_2TX	23.23	0.21038
802.11be EHT40-BF_Nss1,(MCS0)_2TX	22.68	0.18535
802.11be EHT80-BF_Nss1,(MCS0)_2TX	20.67	0.11668

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.77	19.17	19.62	22.41	30.00
5200MHz	Pass	5.77	18.81	19.24	22.04	30.00
5240MHz	Pass	5.77	18.05	18.19	21.13	30.00
5260MHz	Pass	5.82	19.16	19.35	22.27	23.98
5300MHz	Pass	5.82	20.36	20.07	23.23	23.98
5320MHz	Pass	5.82	20.43	19.83	23.15	23.98
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.77	19.54	19.46	22.51	30.00
5230MHz	Pass	5.77	18.42	18.37	21.41	30.00
5270MHz	Pass	5.82	19.71	19.63	22.68	23.98
5310MHz	Pass	5.82	19.29	18.63	21.98	23.98
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.77	18.09	18.19	21.15	30.00
5290MHz	Pass	5.82	17.70	17.61	20.67	23.98

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

Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
a20_Nss1,(6Mbps)_1TX	10.00	0.01000
a40_Nss1,(6Mbps)_1TX	11.46	0.01400
a80_Nss1,(6Mbps)_1TX	9.77	0.00948
a160_Nss1,(6Mbps)_1TX	8.34	0.00682
5.25-5.35GHz	-	-
a20_Nss1,(6Mbps)_1TX	18.10	0.06457
a40_Nss1,(6Mbps)_1TX	16.32	0.04285
a80_Nss1,(6Mbps)_1TX	12.71	0.01866
a160_Nss1,(6Mbps)_1TX	8.49	0.00706
5.47-5.725GHz	-	-
a20_Nss1,(6Mbps)_1TX	17.84	0.06081
a40_Nss1,(6Mbps)_1TX	16.62	0.04592
a80_Nss1,(6Mbps)_1TX	17.86	0.06109
a160_Nss1,(6Mbps)_1TX	11.56	0.01432
5.725-5.85GHz	-	-
a20_Nss1,(6Mbps)_1TX	18.03	0.06353
a40_Nss1,(6Mbps)_1TX	17.12	0.05152
a80_Nss1,(6Mbps)_1TX	14.58	0.02871

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
a20_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.14	9.28	9.28	30.00
5200MHz	Pass	3.14	9.67	9.67	30.00
5240MHz	Pass	3.14	10	10.00	30.00
5260MHz	Pass	3.33	18.05	18.05	23.98
5300MHz	Pass	3.33	18.10	18.10	23.98
5320MHz	Pass	3.33	15.82	15.82	23.98
5500MHz	Pass	3.41	15.70	15.70	23.98
5580MHz	Pass	3.41	17.84	17.84	23.98
5700MHz	Pass	3.41	15.91	15.91	23.98
5745MHz	Pass	4.50	18.03	18.03	30.00
5785MHz	Pass	4.50	18.02	18.02	30.00
5825MHz	Pass	4.50	17.80	17.80	30.00
a40_Nss1,(6Mbps)_1TX	-	-	-	-	-
5190MHz	Pass	3.14	9.34	9.34	30.00
5230MHz	Pass	3.14	11.46	11.46	30.00
5270MHz	Pass	3.33	16.32	16.32	23.98
5310MHz	Pass	3.33	12.63	12.63	23.98
5510MHz	Pass	3.41	11.13	11.13	23.98
5550MHz	Pass	3.41	16.62	16.62	23.98
5670MHz	Pass	3.41	15.77	15.77	23.98
5755MHz	Pass	4.50	15.67	15.67	30.00
5795MHz	Pass	4.50	17.12	17.12	30.00
a80_Nss1,(6Mbps)_1TX	-	-	-	-	-
5210MHz	Pass	3.14	9.77	9.77	30.00
5290MHz	Pass	3.33	12.71	12.71	23.98
5530MHz	Pass	3.41	11.96	11.96	23.98
5610MHz	Pass	3.41	17.86	17.86	23.98
5775MHz	Pass	4.50	14.58	14.58	30.00
a160_Nss1,(6Mbps)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.14	8.34	8.34	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.33	8.49	8.49	23.98
5570MHz	Pass	3.41	11.56	11.56	23.98

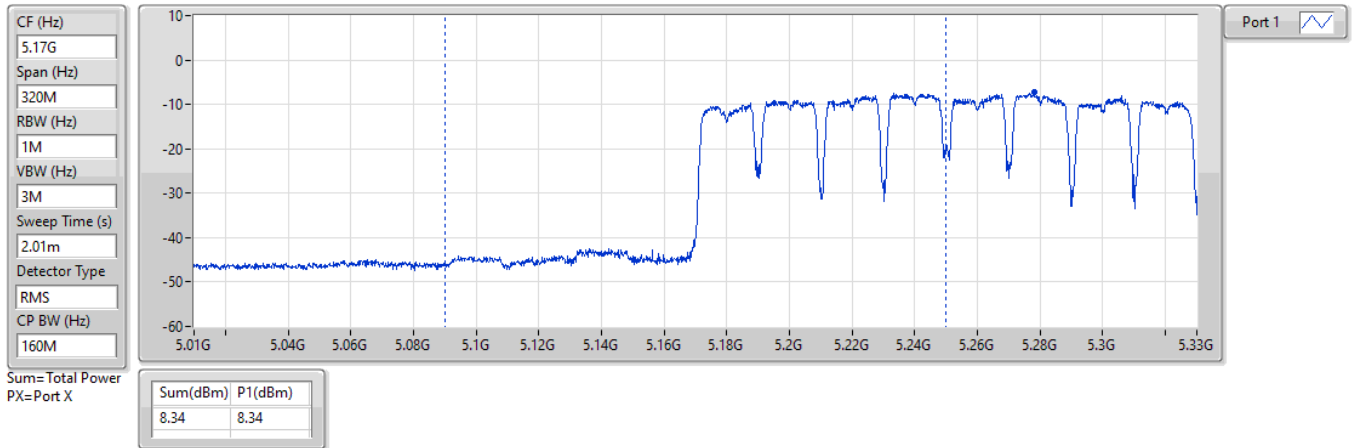
DG = Directional Gain; Port X = Port X output power
 Inf = There's no restriction for the limit.

5.15-5.25GHz_a160_Nss1,(6Mbps)_1TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

06/12/2024

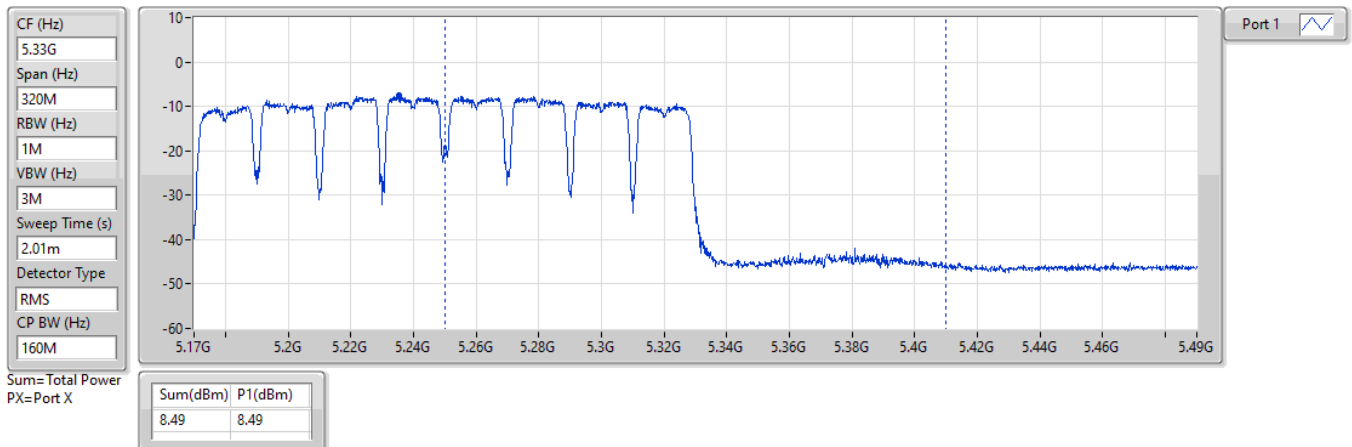


5.25-5.35GHz_a160_Nss1,(6Mbps)_1TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

06/12/2024





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.77
802.11be EHT20_Nss1,(MCS0)_1TX	5.22
802.11be EHT40_Nss1,(MCS0)_1TX	2.83
802.11be EHT80_Nss1,(MCS0)_1TX	-0.43
802.11be EHT160_Nss1,(MCS0)_1TX	-3.54
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.14
802.11be EHT20_Nss1,(MCS0)_1TX	5.79
802.11be EHT40_Nss1,(MCS0)_1TX	3.21
802.11be EHT80_Nss1,(MCS0)_1TX	-0.49
802.11be EHT160_Nss1,(MCS0)_1TX	-4.48
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.42
802.11be EHT20_Nss1,(MCS0)_1TX	6.20
802.11be EHT40_Nss1,(MCS0)_1TX	3.39
802.11be EHT80_Nss1,(MCS0)_1TX	0.04
802.11be EHT160_Nss1,(MCS0)_1TX	-5.47
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.68
802.11be EHT20_Nss1,(MCS0)_1TX	5.22
802.11be EHT40_Nss1,(MCS0)_1TX	2.02
802.11be EHT80_Nss1,(MCS0)_1TX	-1.65

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	2.94	5.31	5.31	17.00
5200MHz	Pass	2.94	5.71	5.71	17.00
5240MHz	Pass	2.94	5.77	5.77	17.00
5260MHz	Pass	3.56	6.14	6.14	11.00
5300MHz	Pass	3.56	5.18	5.18	11.00
5320MHz	Pass	3.56	4.89	4.89	11.00
5500MHz	Pass	4.68	6.06	6.06	11.00
5580MHz	Pass	4.68	5.24	5.24	11.00
5700MHz	Pass	4.68	4.12	4.12	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	6.42	6.42	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	4.77	4.77	30.00
5745MHz	Pass	5.34	5.68	5.68	30.00
5785MHz	Pass	5.34	4.50	4.50	30.00
5825MHz	Pass	5.34	4.18	4.18	30.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	2.94	4.92	4.92	17.00
5200MHz	Pass	2.94	5.19	5.19	17.00
5240MHz	Pass	2.94	5.22	5.22	17.00
5260MHz	Pass	3.56	5.79	5.79	11.00
5300MHz	Pass	3.56	4.62	4.62	11.00
5320MHz	Pass	3.56	4.52	4.52	11.00
5500MHz	Pass	4.68	5.76	5.76	11.00
5580MHz	Pass	4.68	4.84	4.84	11.00
5700MHz	Pass	4.68	1.79	1.79	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	6.20	6.20	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	4.04	4.04	30.00
5745MHz	Pass	5.34	5.22	5.22	30.00
5785MHz	Pass	5.34	4.17	4.17	30.00
5825MHz	Pass	5.34	3.61	3.61	30.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	2.94	2.49	2.49	17.00
5230MHz	Pass	2.94	2.83	2.83	17.00
5270MHz	Pass	3.56	3.21	3.21	11.00
5310MHz	Pass	3.56	2.21	2.21	11.00
5510MHz	Pass	4.68	2.10	2.10	11.00
5550MHz	Pass	4.68	2.40	2.40	11.00
5670MHz	Pass	4.68	2.94	2.94	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.68	3.39	3.39	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	1.42	1.42	30.00



PSD_Non-Beamforming_Radio 2_1T1S

Appendix D.1

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5755MHz	Pass	5.34	2.02	2.02	30.00
5795MHz	Pass	5.34	0.75	0.75	30.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	2.94	-0.43	-0.43	17.00
5290MHz	Pass	3.56	-0.49	-0.49	11.00
5530MHz	Pass	4.68	-0.71	-0.71	11.00
5610MHz	Pass	4.68	-0.70	-0.70	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.68	0.04	0.04	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	-2.77	-2.77	30.00
5775MHz	Pass	5.34	-1.65	-1.65	30.00
802.11be EHT160_Nss1,(MCS0)_1TX	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.94	-3.54	-3.54	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.56	-4.48	-4.48	11.00
5570MHz	Pass	4.68	-5.47	-5.47	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)_1TX

PSD

5240MHz

19/10/2024

CF (Hz)
5.24G

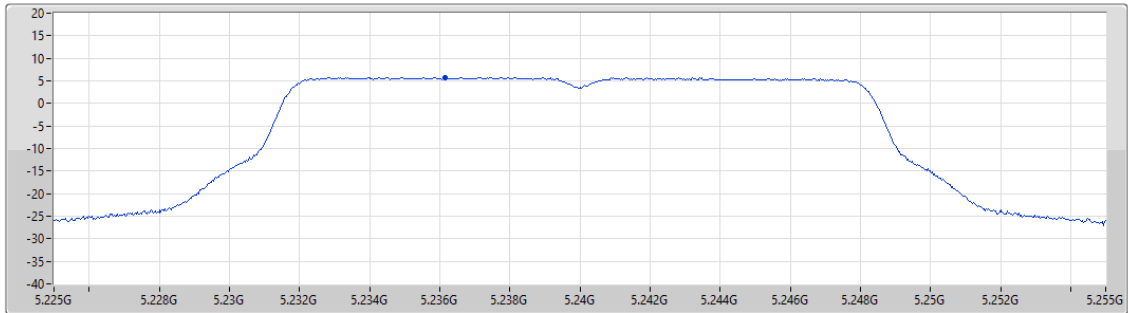
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.77	5.77	5.77

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

19/10/2024

CF (Hz)
5.24G

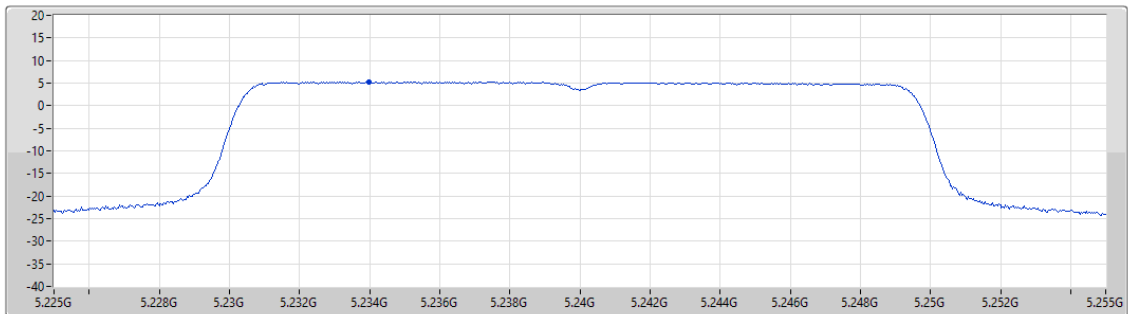
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Port 1

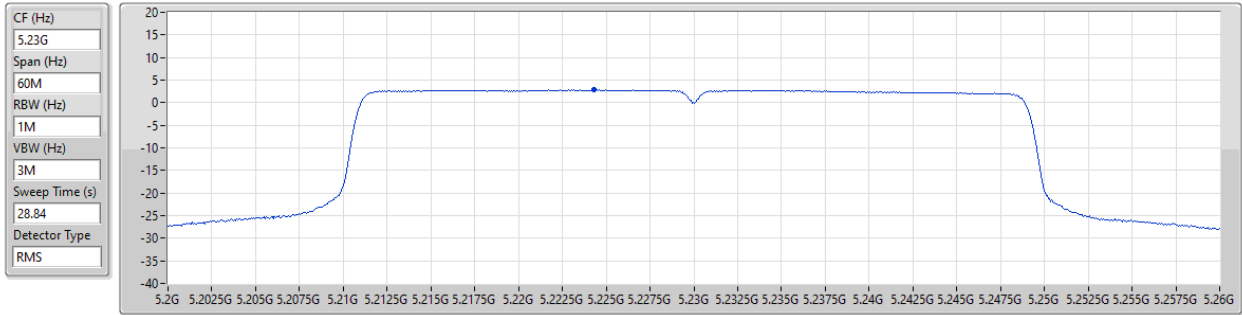
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.22	5.22	5.22

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

19/10/2024

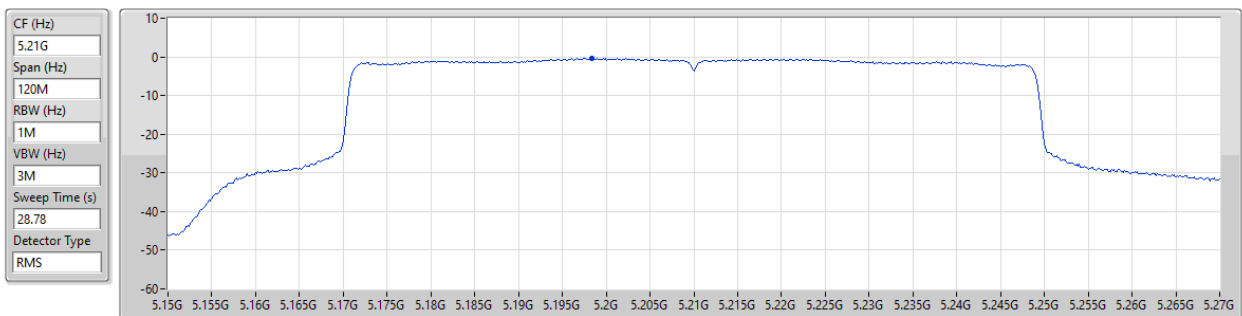


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

19/10/2024

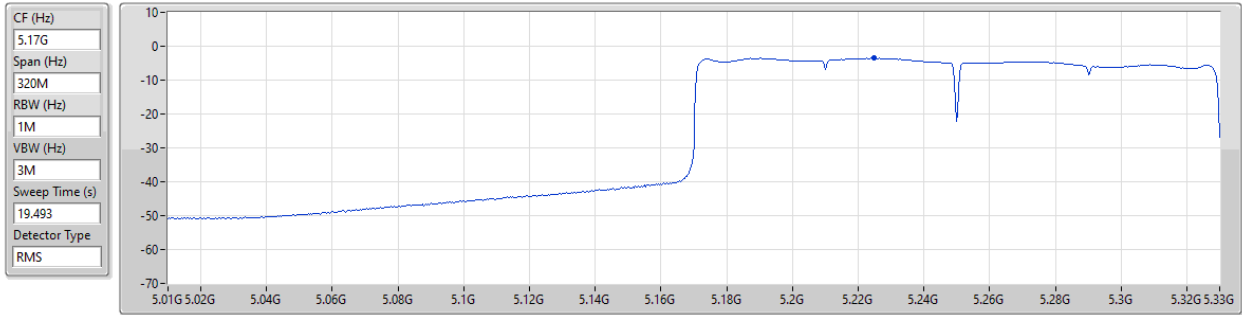


5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

5250MHz Straddle 5.15-5.25GHz

19/10/2024



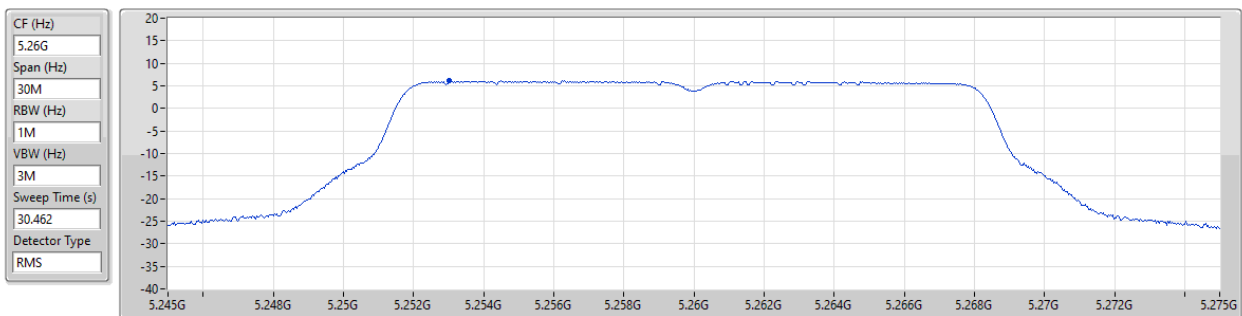
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.54	-3.54	-3.54

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

PSD

5260MHz

19/10/2024



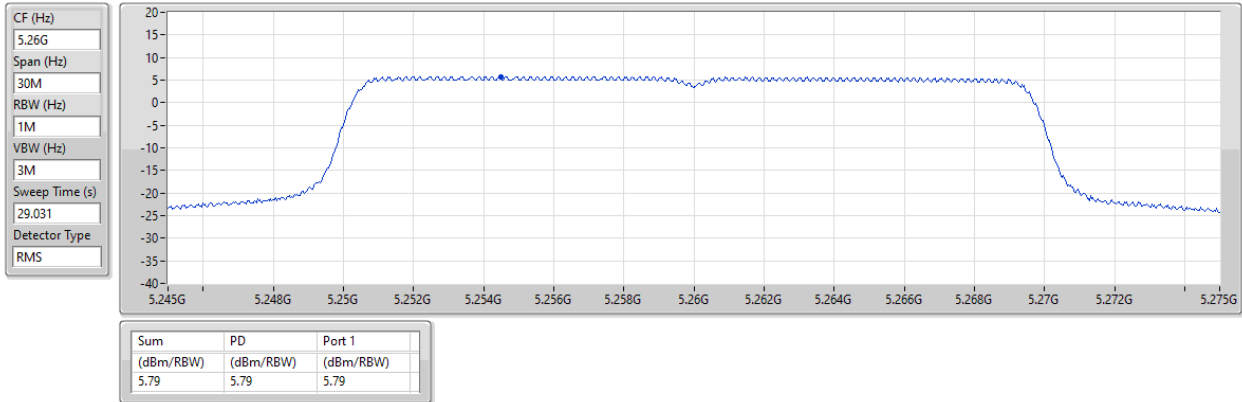
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.14	6.14	6.14

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5260MHz

19/10/2024

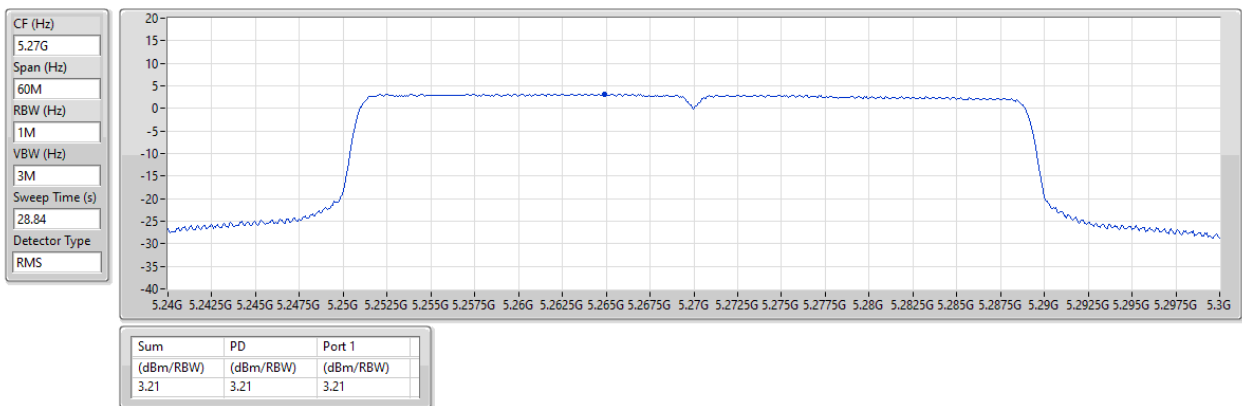


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5270MHz

19/10/2024

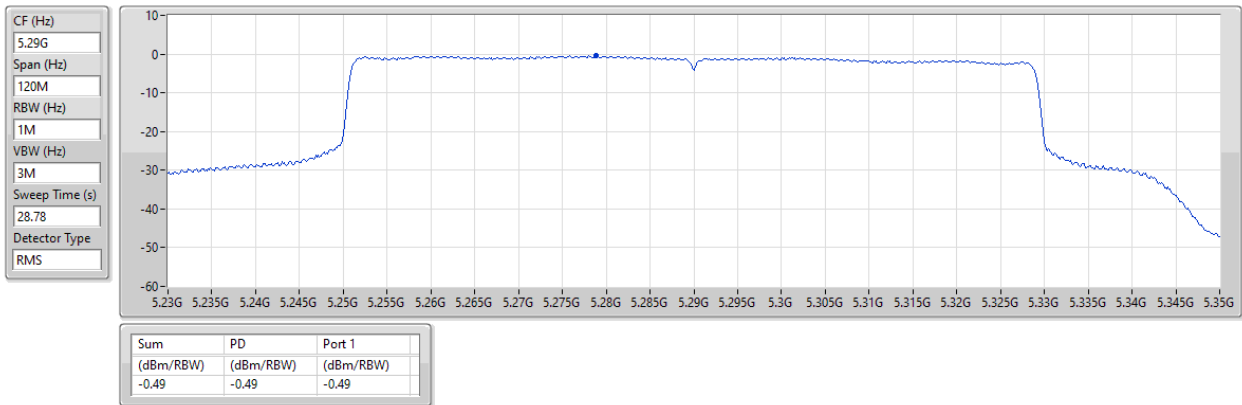


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5290MHz

19/10/2024

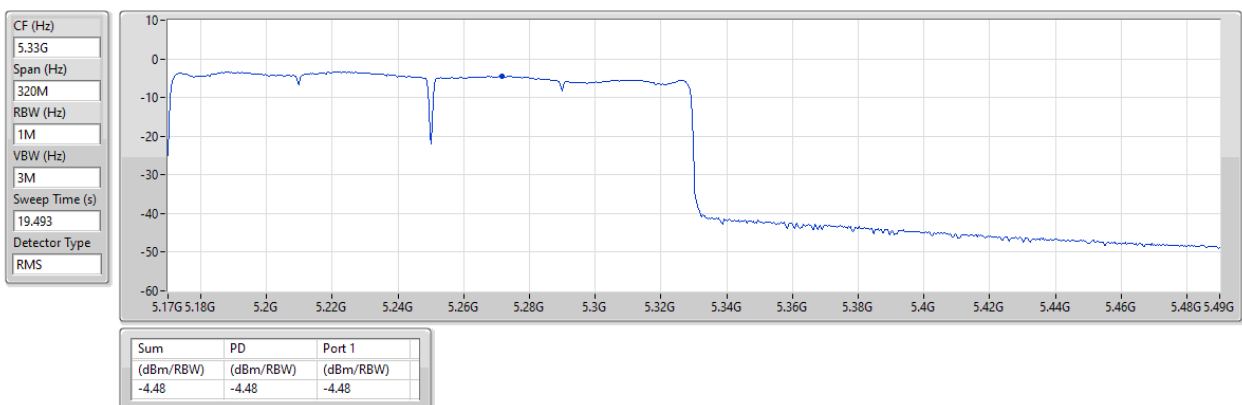


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

5250MHz Straddle 5.25-5.35GHz

19/10/2024

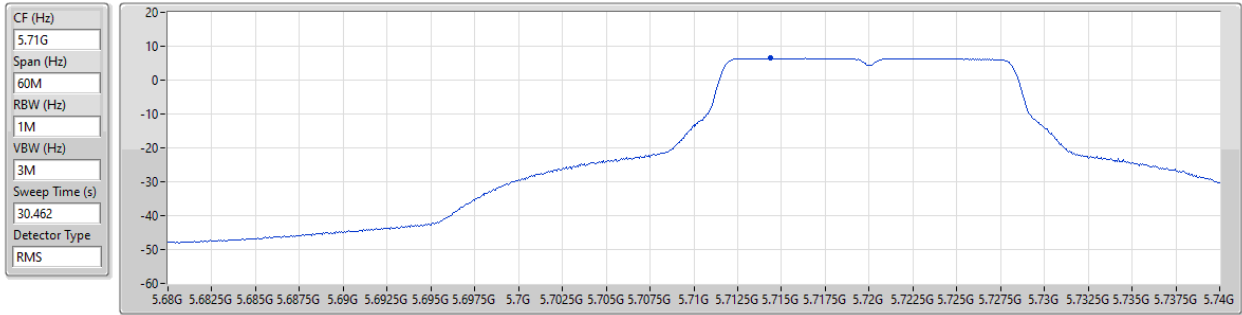


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5720MHz Straddle 5.47-5.725GHz

19/10/2024



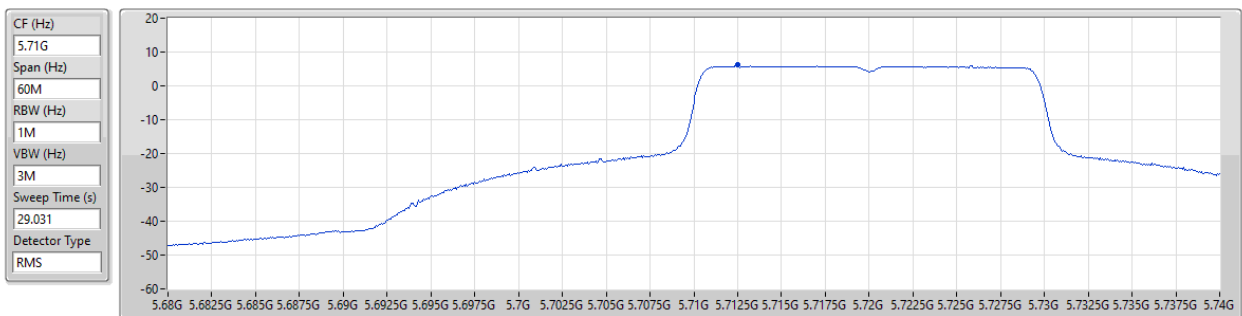
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.42	6.42	6.42

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

PSD

5720MHz Straddle 5.47-5.725GHz

19/10/2024



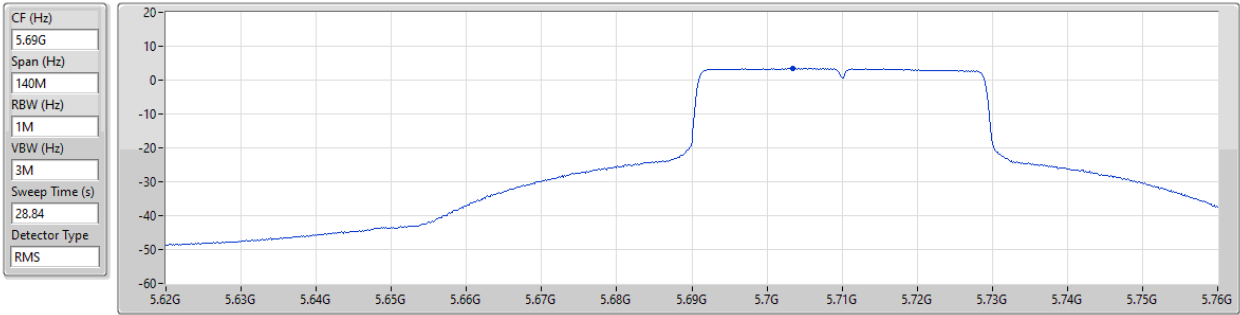
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.20	6.20	6.20

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

PSD

5710MHz Straddle 5.47-5.725GHz

19/10/2024



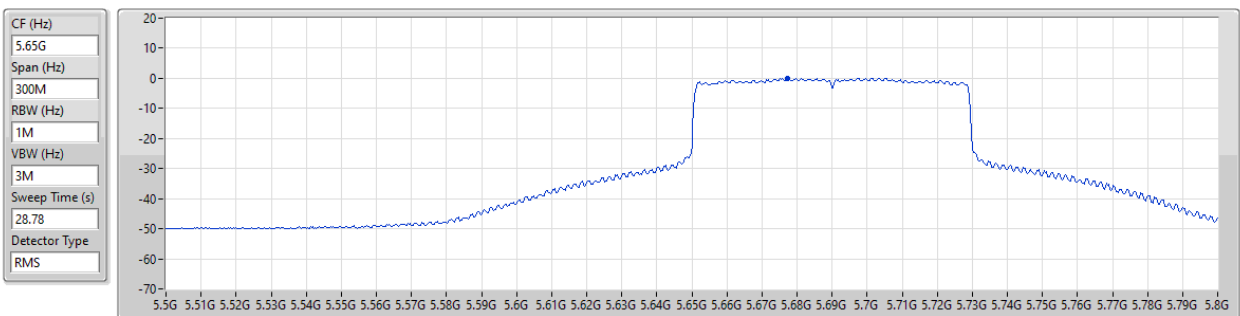
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.39	3.39	3.39

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5690MHz Straddle 5.47-5.725GHz

19/10/2024



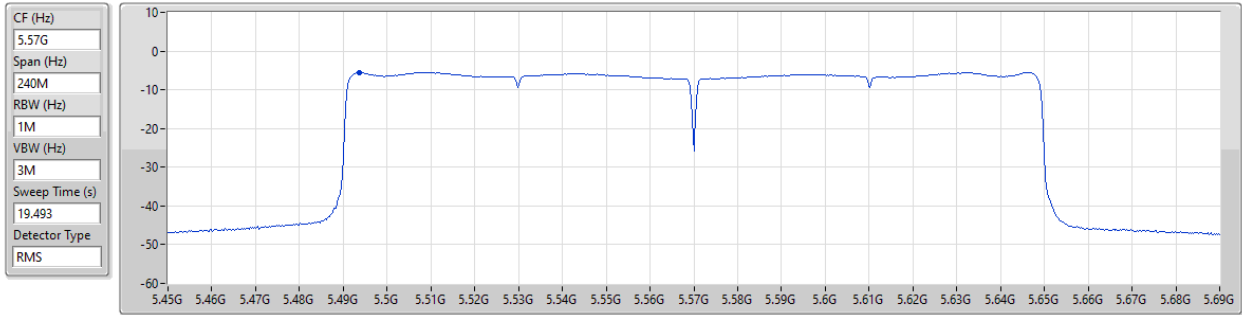
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.04	0.04	0.04

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_1TX

PSD

5570MHz

19/10/2024



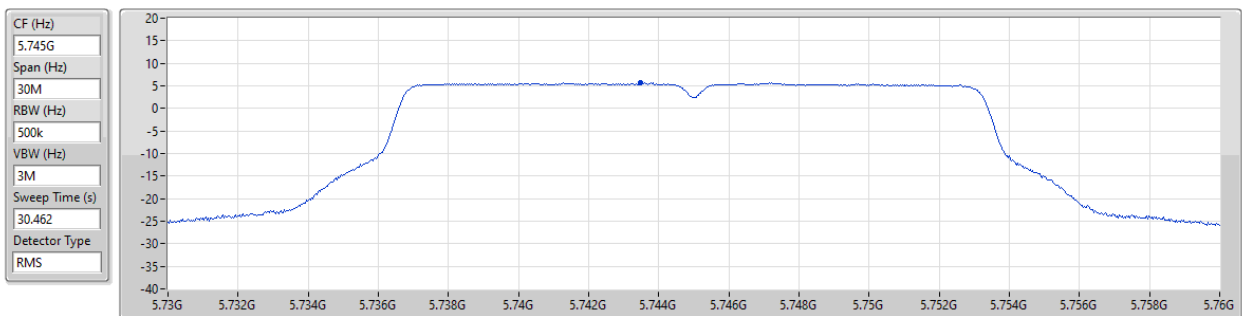
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.47	-5.47	-5.47

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

PSD

5745MHz

19/10/2024



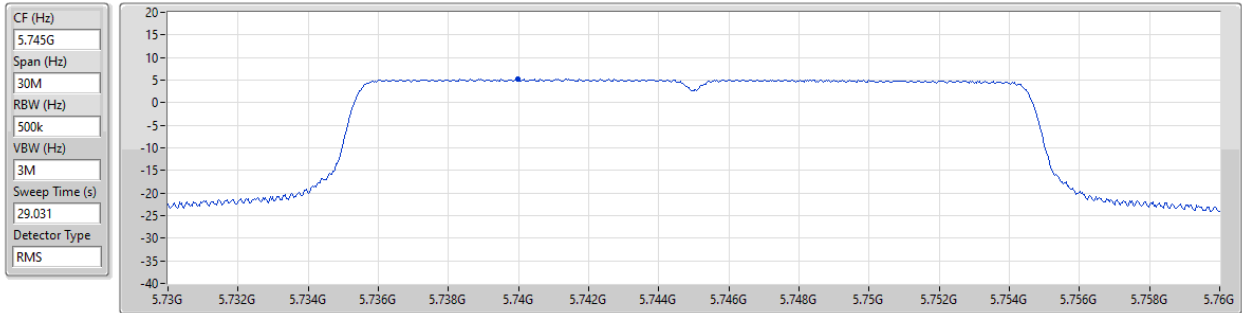
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.68	5.68	5.68

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

PSD

5745MHz

19/10/2024

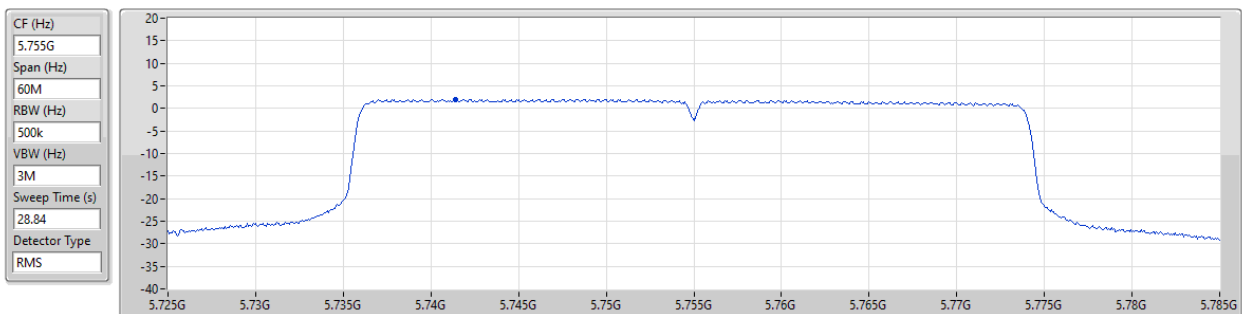


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5755MHz

19/10/2024





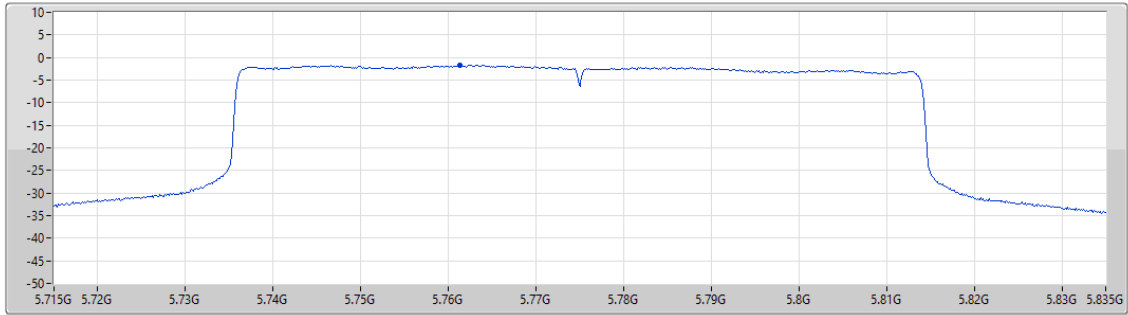
5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5775MHz

19/10/2024

CF (Hz)
5.775G
Span (Hz)
120M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
28.78
Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.65	-1.65	-1.65



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.99
802.11be EHT20_Nss1,(MCS0)_2TX	8.49
802.11be EHT40_Nss1,(MCS0)_2TX	6.22
802.11be EHT80_Nss1,(MCS0)_2TX	2.75
802.11be EHT160_Nss1,(MCS0)_2TX	-1.27
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.26
802.11be EHT20_Nss1,(MCS0)_2TX	8.75
802.11be EHT40_Nss1,(MCS0)_2TX	6.23
802.11be EHT80_Nss1,(MCS0)_2TX	2.97
802.11be EHT160_Nss1,(MCS0)_2TX	-1.46
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.85
802.11be EHT20_Nss1,(MCS0)_2TX	9.12
802.11be EHT40_Nss1,(MCS0)_2TX	6.35
802.11be EHT80_Nss1,(MCS0)_2TX	2.90
802.11be EHT160_Nss1,(MCS0)_2TX	-2.71
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_2TX	8.77
802.11be EHT20_Nss1,(MCS0)_2TX	8.23
802.11be EHT40_Nss1,(MCS0)_2TX	5.30
802.11be EHT80_Nss1,(MCS0)_2TX	1.77

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.19	5.12	5.95	8.54	17.00
5200MHz	Pass	3.19	5.55	6.30	8.91	17.00
5240MHz	Pass	3.19	5.73	6.46	8.99	17.00
5260MHz	Pass	4.60	5.89	6.81	9.26	11.00
5300MHz	Pass	4.60	5.06	6.73	8.93	11.00
5320MHz	Pass	4.60	4.78	6.67	8.81	11.00
5500MHz	Pass	5.41	5.97	6.66	9.28	11.00
5580MHz	Pass	5.41	5.14	6.05	8.55	11.00
5700MHz	Pass	5.41	1.54	1.85	4.68	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.41	6.33	7.34	9.85	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	4.57	5.51	7.97	30.00
5745MHz	Pass	5.34	5.66	5.91	8.77	30.00
5785MHz	Pass	5.34	4.67	5.36	7.87	30.00
5825MHz	Pass	5.34	4.01	4.18	7.06	30.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	3.19	4.80	5.40	8.10	17.00
5200MHz	Pass	3.19	5.05	5.75	8.36	17.00
5240MHz	Pass	3.19	5.17	5.91	8.49	17.00
5260MHz	Pass	4.60	5.37	6.25	8.75	11.00
5300MHz	Pass	4.60	4.59	6.11	8.34	11.00
5320MHz	Pass	4.60	4.30	6.22	8.30	11.00
5500MHz	Pass	5.41	5.41	6.01	8.67	11.00
5580MHz	Pass	5.41	4.58	5.55	8.06	11.00
5700MHz	Pass	5.41	0.63	0.62	3.57	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.41	5.83	6.50	9.12	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	4.25	4.77	7.49	30.00
5745MHz	Pass	5.34	5.12	5.50	8.23	30.00
5785MHz	Pass	5.34	3.94	4.77	7.34	30.00
5825MHz	Pass	5.34	3.44	3.77	6.58	30.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	3.19	2.75	3.08	5.84	17.00
5230MHz	Pass	3.19	2.90	3.64	6.22	17.00
5270MHz	Pass	4.60	3.16	3.48	6.23	11.00
5310MHz	Pass	4.60	2.39	3.35	5.84	11.00
5510MHz	Pass	5.41	2.74	3.44	6.06	11.00
5550MHz	Pass	5.41	2.34	3.32	5.87	11.00
5670MHz	Pass	5.41	1.90	2.14	4.96	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.41	3.44	3.33	6.35	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	1.32	1.39	4.35	30.00

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5755MHz	Pass	5.34	1.95	2.64	5.30	30.00
5795MHz	Pass	5.34	0.65	1.85	4.28	30.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	3.19	-0.43	0.21	2.75	17.00
5290MHz	Pass	4.60	-0.52	0.79	2.97	11.00
5530MHz	Pass	5.41	-0.96	-0.36	2.33	11.00
5610MHz	Pass	5.41	-0.81	-0.08	2.49	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.41	-0.06	-0.02	2.90	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	-2.75	-2.79	0.10	30.00
5775MHz	Pass	5.34	-1.73	-0.73	1.77	30.00
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	3.19	-4.14	-4.24	-1.27	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.60	-5.15	-3.62	-1.46	11.00
5570MHz	Pass	5.41	-6.06	-5.33	-2.71	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)_2TX

PSD

5240MHz

19/10/2024

CF (Hz)
5.24G

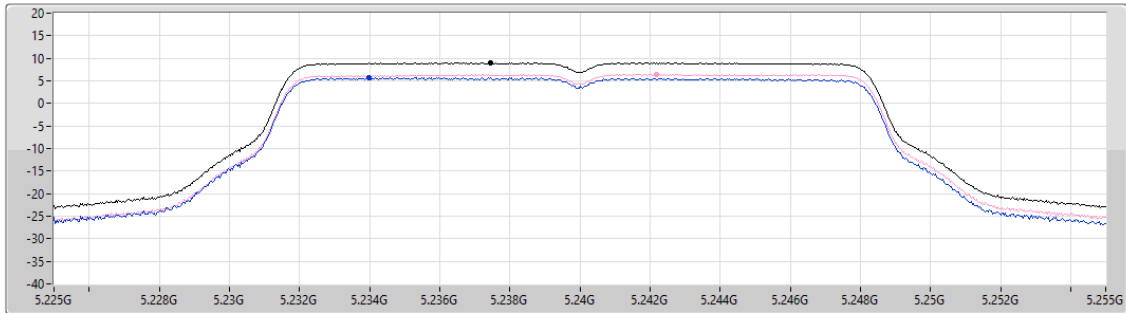
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.99	8.99	5.73	6.46

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5240MHz

19/10/2024

CF (Hz)
5.24G

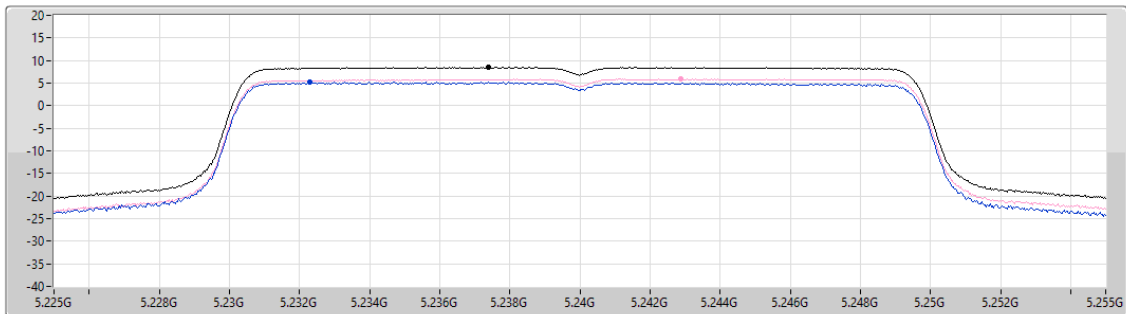
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.49	8.49	5.17	5.91

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5230MHz

19/10/2024

CF (Hz)
5.23G

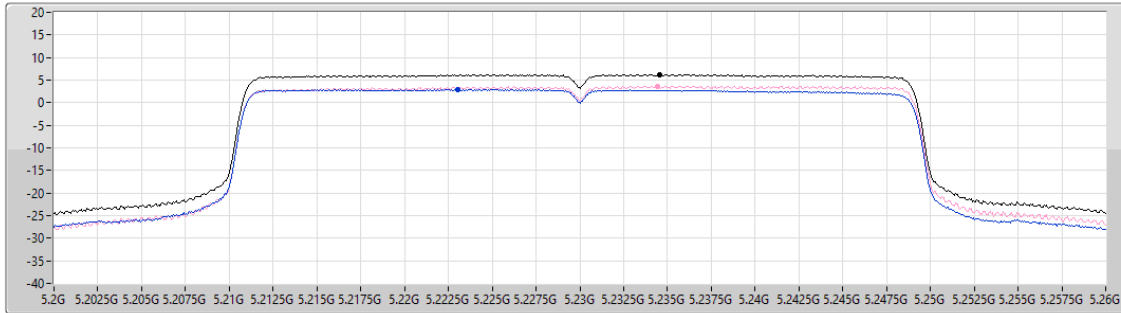
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.22	6.22	2.90	3.64

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

19/10/2024

CF (Hz)
5.21G

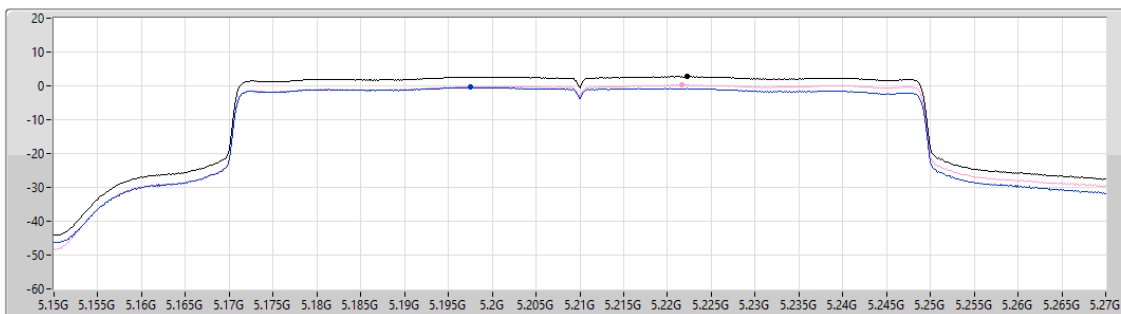
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.78

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

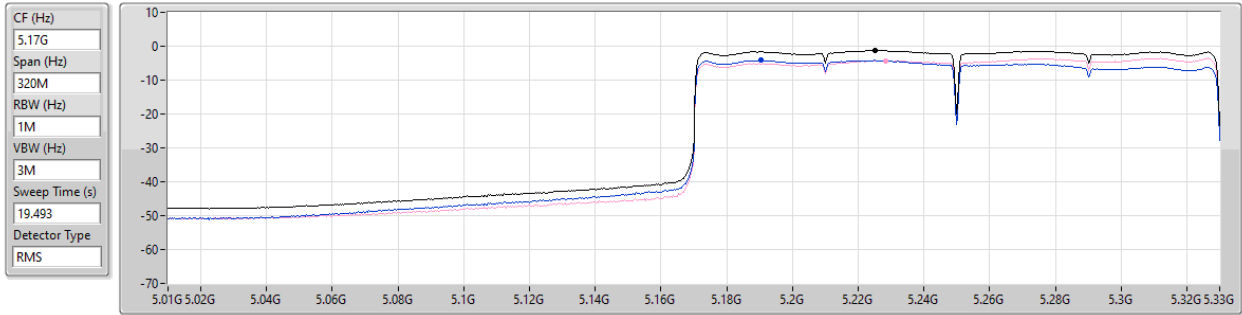
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.75	2.75	-0.43	0.21

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

19/10/2024



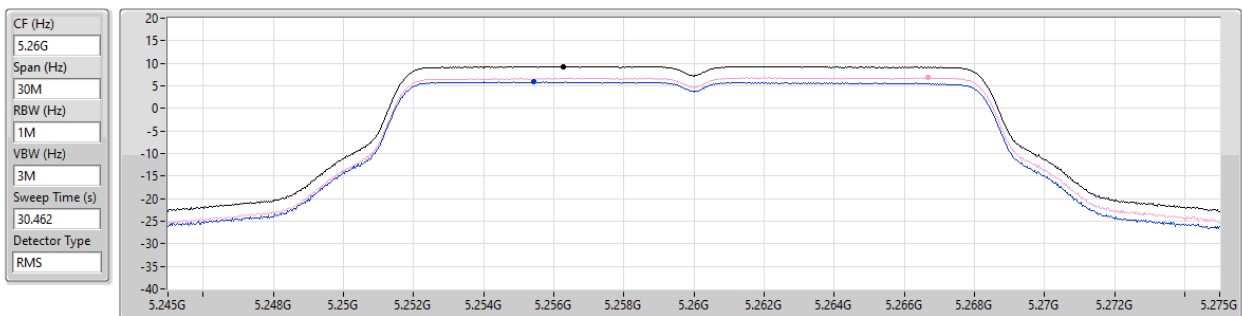
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.27	-1.27	-4.14	-4.24

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5260MHz

19/10/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.26	9.26	5.89	6.81

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5260MHz

19/10/2024

CF (Hz)
5.26G

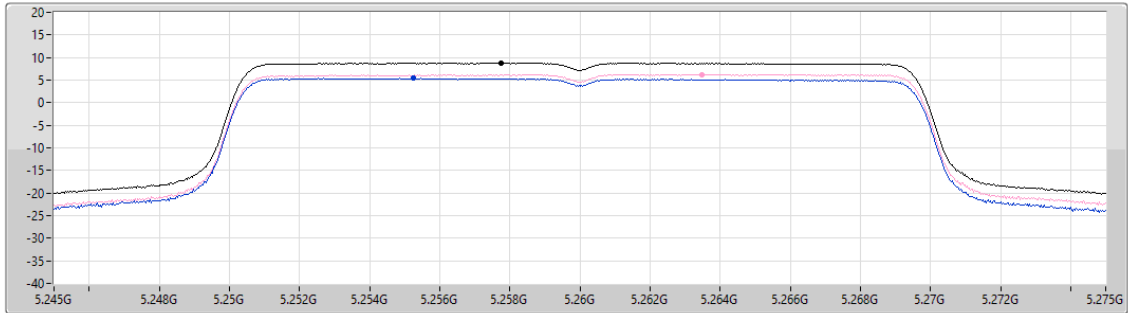
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.75	8.75	5.37	6.25

Sum ☒

Port 1 ☒

Port 2 ☒

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

19/10/2024

CF (Hz)
5.27G

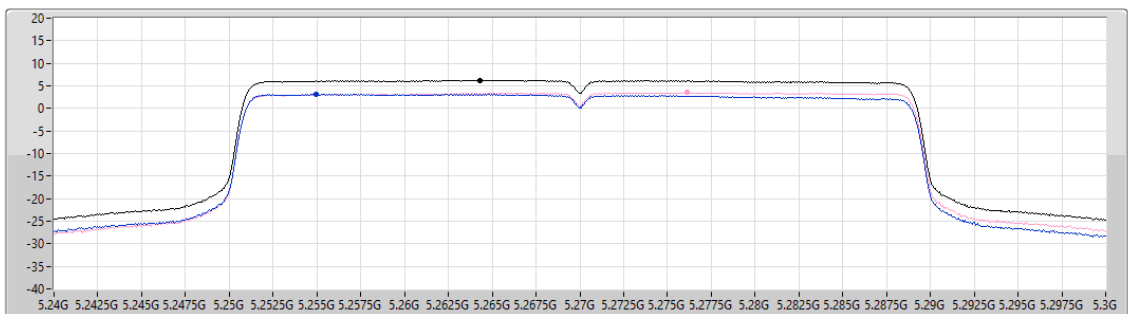
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
6.23	6.23	3.16	3.48

Sum ☒

Port 1 ☒

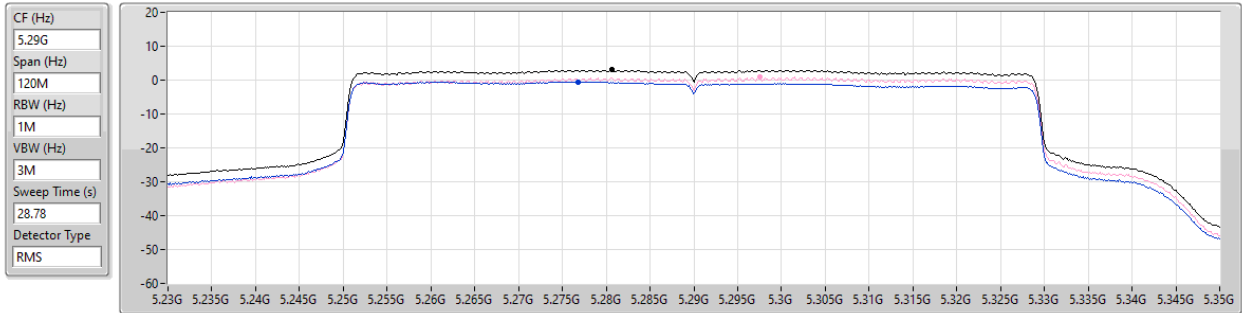
Port 2 ☒

5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

19/10/2024



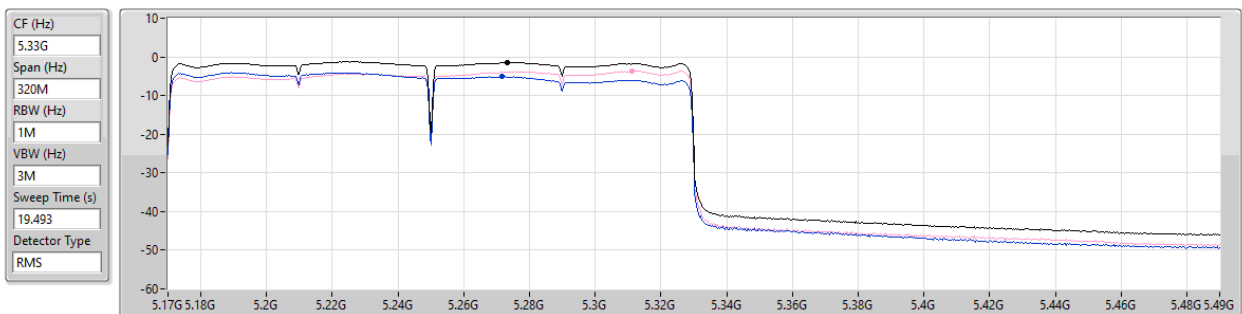
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.97	2.97	-0.52	0.79

5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

19/10/2024



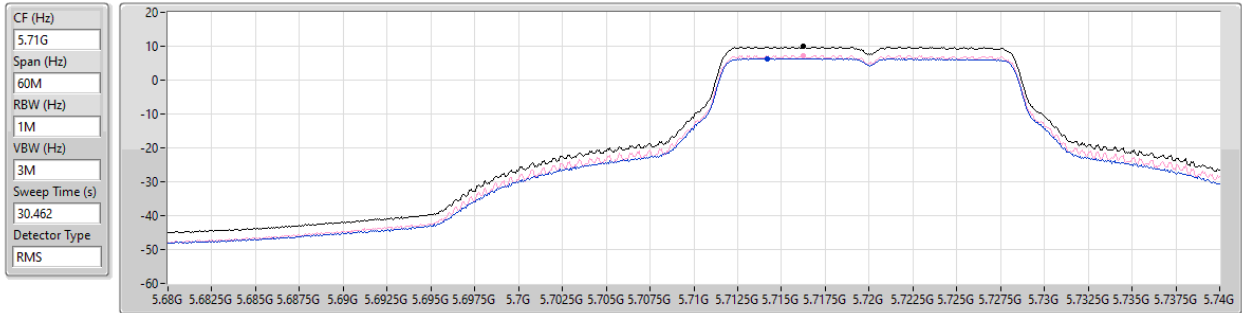
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.46	-1.46	-5.15	-3.62

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

PSD

5720MHz Straddle 5.47-5.725GHz

19/10/2024



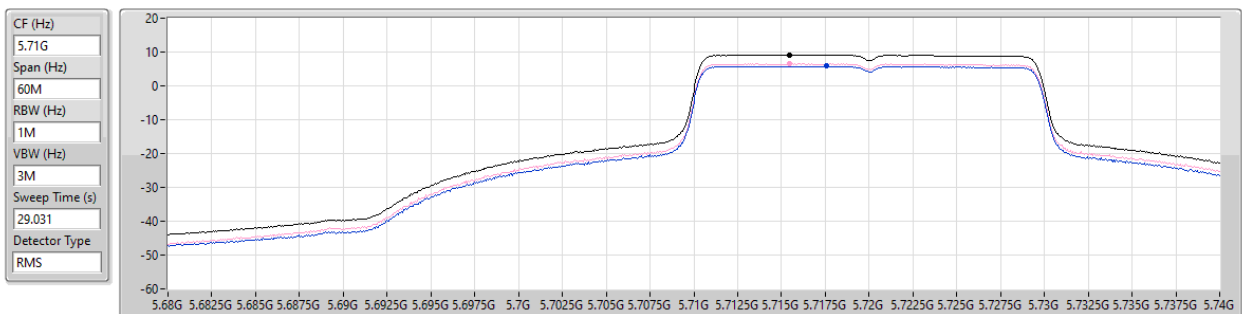
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.85	9.85	6.33	7.34

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

PSD

5720MHz Straddle 5.47-5.725GHz

19/10/2024



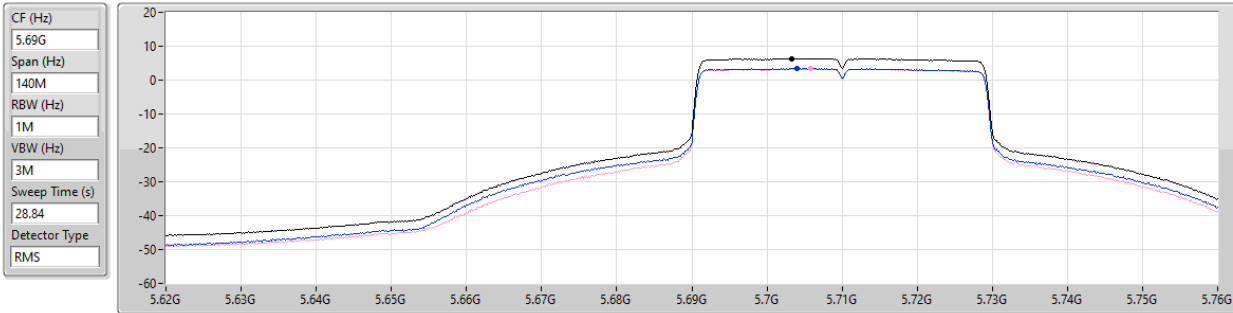
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.12	9.12	5.83	6.50

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

PSD

5710MHz Straddle 5.47-5.725GHz

19/10/2024



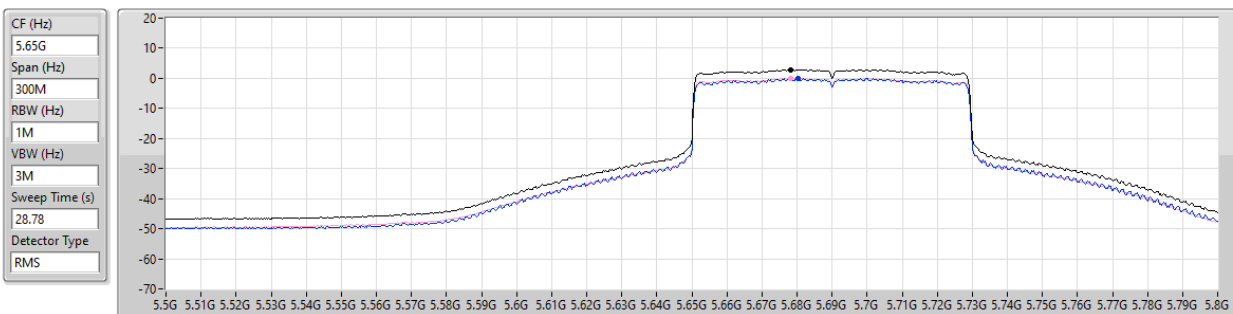
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.35	6.35	3.44	3.33

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

19/10/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.90	2.90	-0.06	-0.02

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_2TX

PSD

5570MHz

19/10/2024

CF (Hz)
5.57G

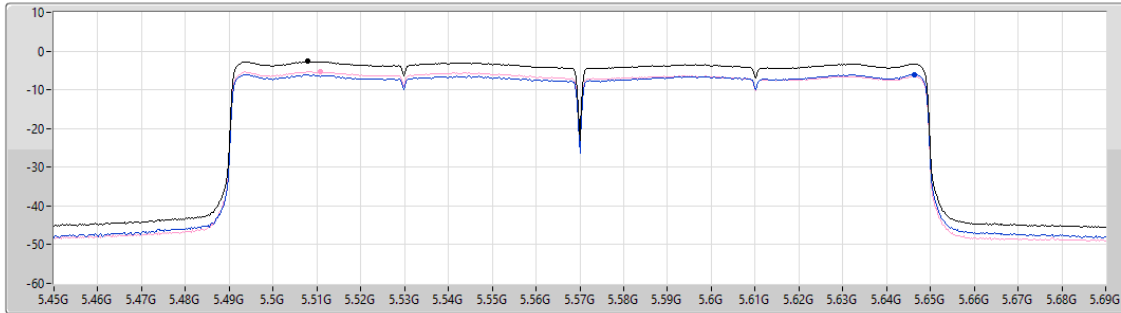
Span (Hz)
240M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.493

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
-2.71	-2.71	-6.06	-5.33

Sum 

Port 1 

Port 2 

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

PSD

5745MHz

19/10/2024

CF (Hz)
5.745G

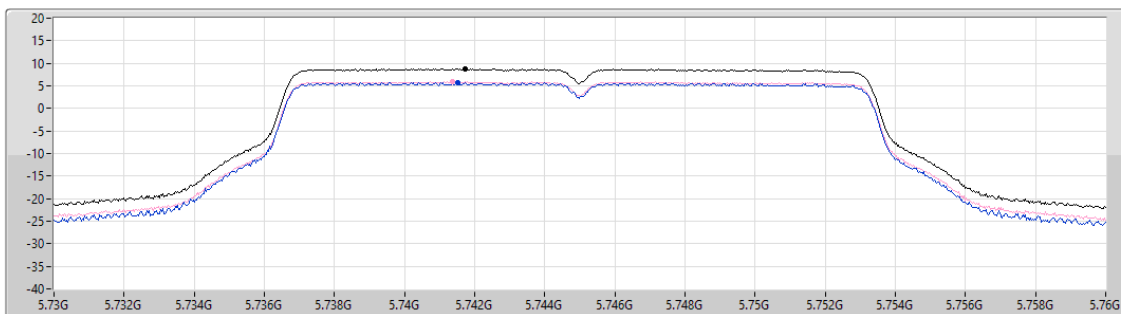
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
8.77	8.77	5.66	5.91

Sum 

Port 1 

Port 2 

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

PSD

5745MHz

19/10/2024

CF (Hz)
5.745G

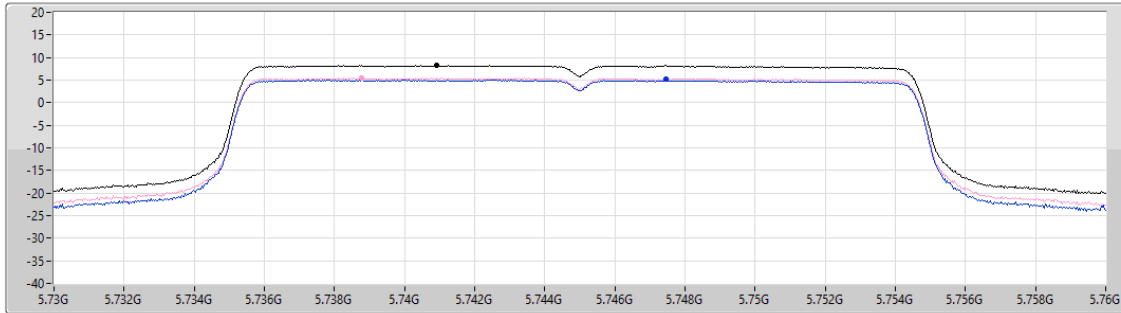
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.23	8.23	5.12	5.50

Sum ☒

Port 1 ☒

Port 2 ☒

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

PSD

5755MHz

19/10/2024

CF (Hz)
5.755G

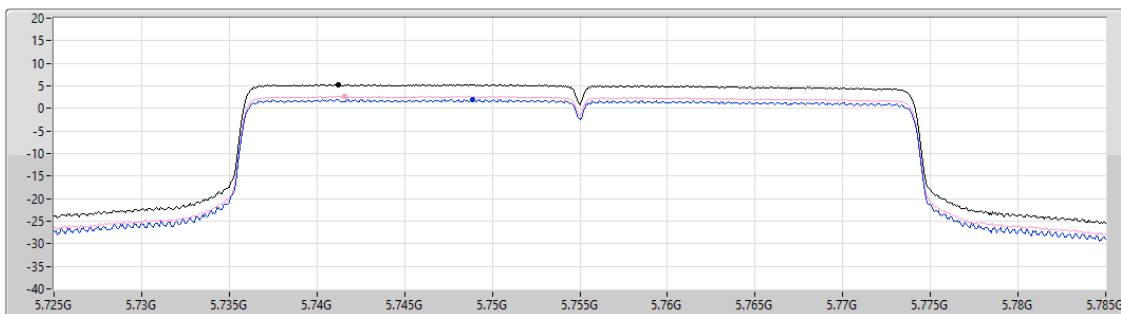
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.30	5.30	1.95	2.64

Sum ☒

Port 1 ☒

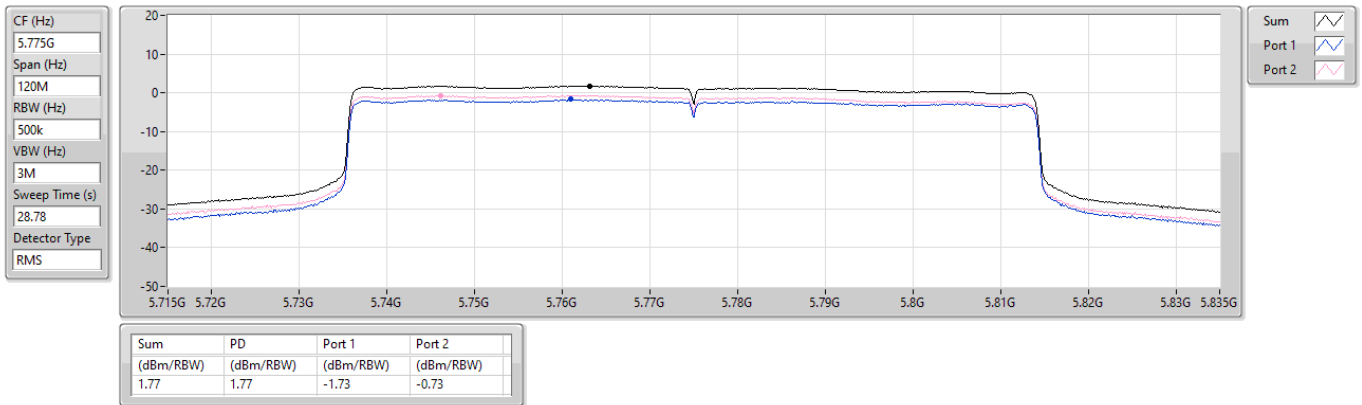
Port 2 ☒

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5775MHz

19/10/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT20_Nss2,(MCS0)_2TX	8.46
802.11be EHT40_Nss2,(MCS0)_2TX	6.13
802.11be EHT80_Nss2,(MCS0)_2TX	2.77
802.11be EHT160_Nss2,(MCS0)_2TX	-1.30
5.25-5.35GHz	-
802.11be EHT20_Nss2,(MCS0)_2TX	8.97
802.11be EHT40_Nss2,(MCS0)_2TX	6.07
802.11be EHT80_Nss2,(MCS0)_2TX	3.01
802.11be EHT160_Nss2,(MCS0)_2TX	-1.55
5.47-5.725GHz	-
802.11be EHT20_Nss2,(MCS0)_2TX	9.16
802.11be EHT40_Nss2,(MCS0)_2TX	6.30
802.11be EHT80_Nss2,(MCS0)_2TX	2.77
802.11be EHT160_Nss2,(MCS0)_2TX	-3.00
5.725-5.85GHz	-
802.11be EHT20_Nss2,(MCS0)_2TX	8.14
802.11be EHT40_Nss2,(MCS0)_2TX	5.25
802.11be EHT80_Nss2,(MCS0)_2TX	1.70

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	2.94	4.56	5.42	7.97	17.00
5200MHz	Pass	2.94	4.98	5.51	8.21	17.00
5240MHz	Pass	2.94	5.12	5.99	8.46	17.00
5260MHz	Pass	3.56	5.63	6.35	8.97	11.00
5300MHz	Pass	3.56	4.48	6.11	8.32	11.00
5320MHz	Pass	3.56	4.12	5.89	8.06	11.00
5500MHz	Pass	4.68	5.64	5.82	8.66	11.00
5580MHz	Pass	4.68	4.61	5.40	8.01	11.00
5700MHz	Pass	4.68	1.19	1.36	4.25	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	4.68	5.89	6.46	9.16	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.34	4.05	4.82	7.46	30.00
5745MHz	Pass	5.34	4.96	5.37	8.14	30.00
5785MHz	Pass	5.34	3.98	4.65	7.27	30.00
5825MHz	Pass	5.34	3.43	3.74	6.57	30.00
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	2.94	2.56	2.99	5.75	17.00
5230MHz	Pass	2.94	2.75	3.62	6.13	17.00
5270MHz	Pass	3.56	2.99	3.37	6.07	11.00
5310MHz	Pass	3.56	2.24	3.21	5.72	11.00
5510MHz	Pass	4.68	2.17	3.05	5.59	11.00
5550MHz	Pass	4.68	2.18	3.21	5.70	11.00
5670MHz	Pass	4.68	2.79	3.19	5.96	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	4.68	3.23	3.38	6.30	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.34	1.21	1.36	4.25	30.00
5755MHz	Pass	5.34	1.80	2.70	5.25	30.00
5795MHz	Pass	5.34	0.61	1.94	4.28	30.00
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	2.94	-0.56	0.21	2.77	17.00
5290MHz	Pass	3.56	-0.61	0.71	3.01	11.00
5530MHz	Pass	4.68	-0.67	-0.10	2.60	11.00
5610MHz	Pass	4.68	-0.72	-0.35	2.44	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	4.68	-0.33	-0.09	2.77	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.34	-3.04	-2.86	0.05	30.00
5775MHz	Pass	5.34	-1.89	-0.76	1.70	30.00
802.11be EHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	2.94	-4.21	-4.34	-1.30	17.00
5250MHz Straddle 5.25-5.35GHz	Pass	3.56	-5.32	-3.68	-1.55	11.00
5570MHz	Pass	4.68	-6.36	-5.50	-3.00	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_802.11be EHT20_Nss2,(MCS0)_2TX

PSD

5240MHz

19/10/2024

CF (Hz)
5.24G

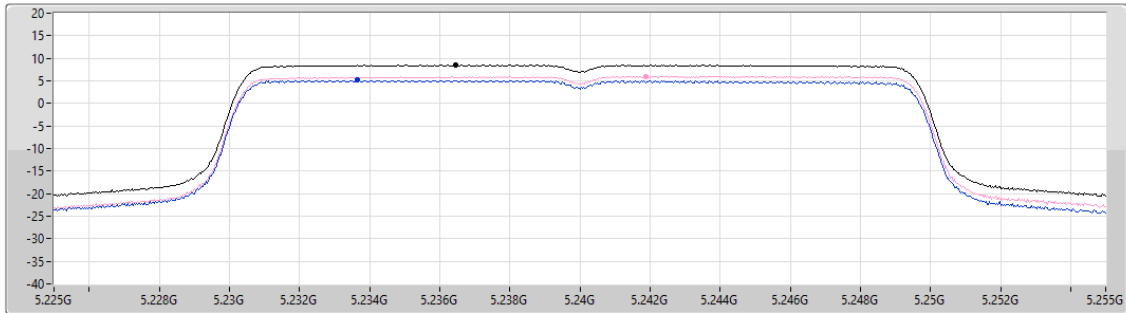
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.901

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.46	8.46	5.12	5.99

5.15-5.25GHz_802.11be EHT40_Nss2,(MCS0)_2TX

PSD

5230MHz

19/10/2024

CF (Hz)
5.23G

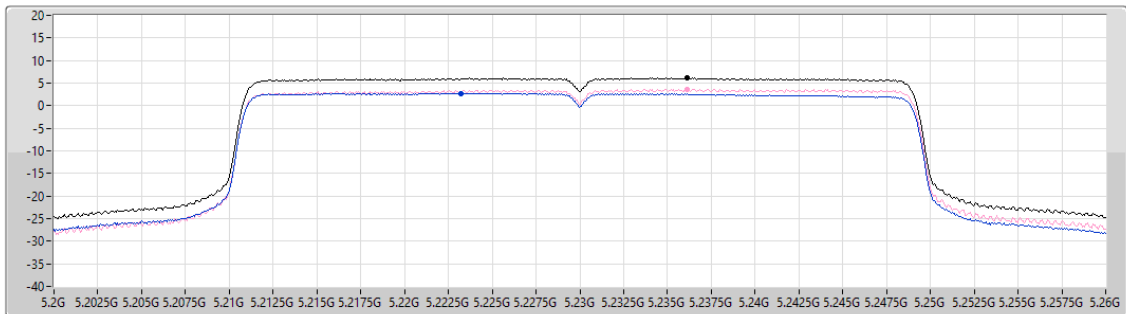
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.81

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

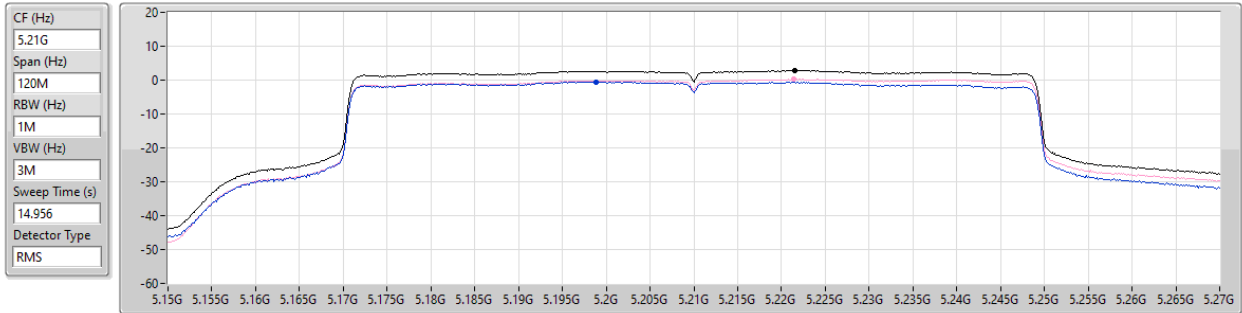
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.13	6.13	2.75	3.62

5.15-5.25GHz_802.11be EHT80_Nss2,(MCS0)_2TX

PSD

5210MHz

19/10/2024



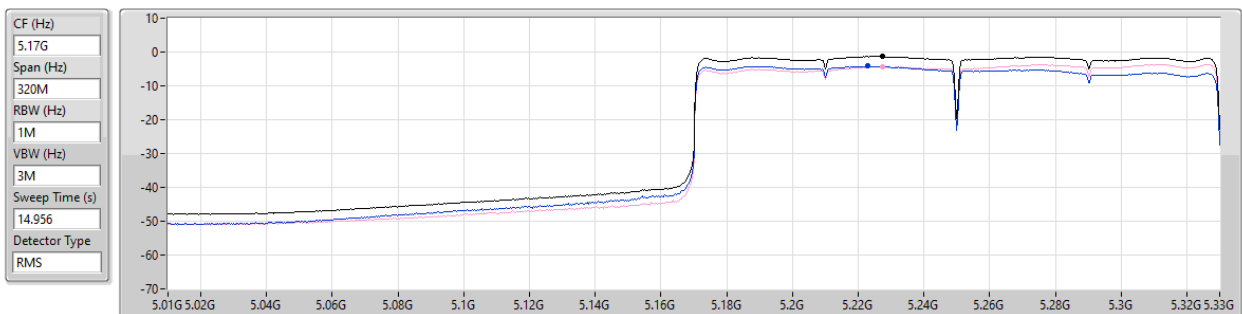
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.77	2.77	-0.56	0.21

5.15-5.25GHz_802.11be EHT160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.15-5.25GHz

19/10/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.30	-1.30	-4.21	-4.34

5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX

PSD

5260MHz

19/10/2024

CF (Hz)
5.26G

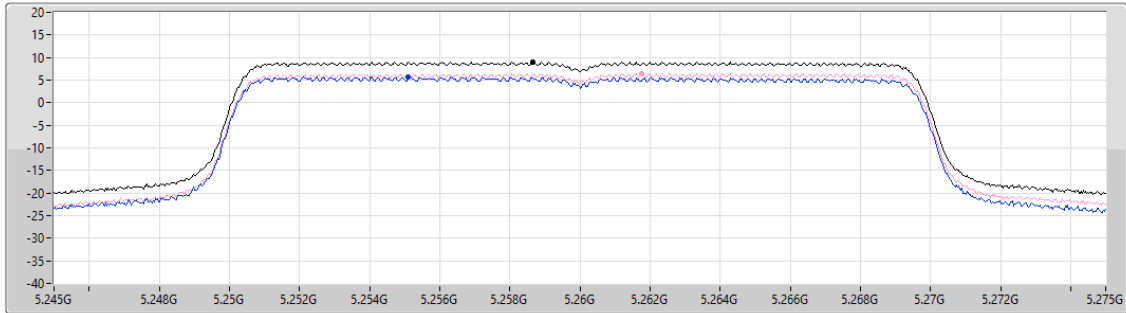
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.901

Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
8.97	8.97	5.63	6.35

5.25-5.35GHz_802.11be EHT40_Nss2,(MCS0)_2TX

PSD

5270MHz

19/10/2024

CF (Hz)
5.27G

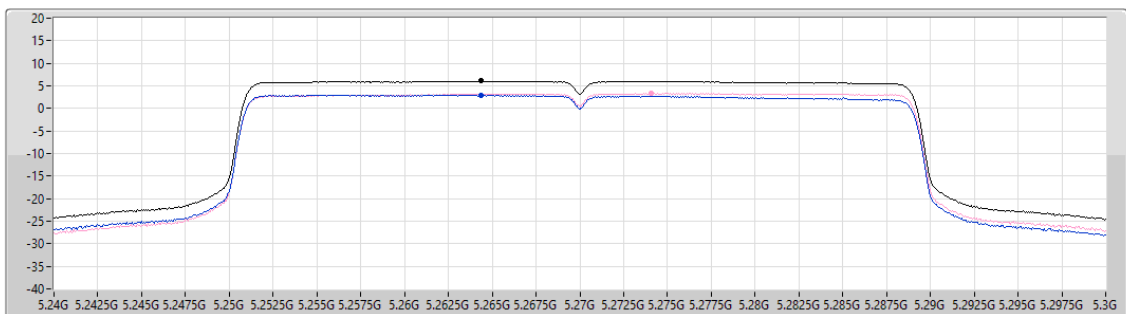
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.81

Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
6.07	6.07	2.99	3.37

5.25-5.35GHz_802.11be EHT80_Nss2,(MCS0)_2TX

PSD

5290MHz

19/10/2024

CF (Hz)
5.29G

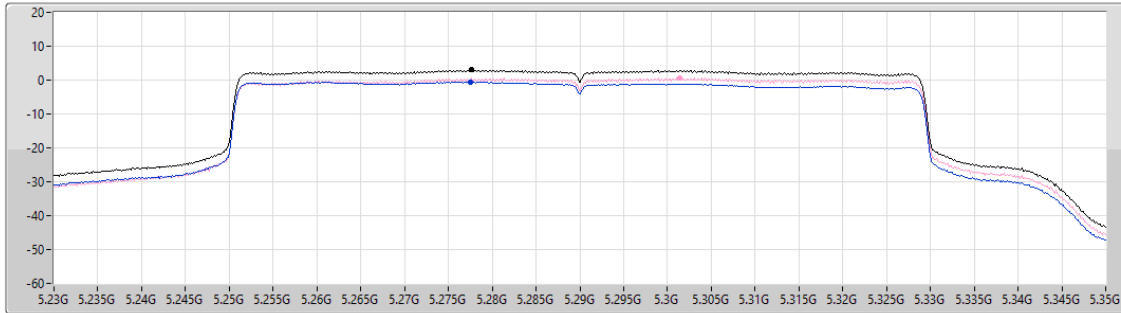
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
14.956

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.01	3.01	-0.61	0.71

5.25-5.35GHz_802.11be EHT160_Nss2,(MCS0)_2TX

PSD

5250MHz Straddle 5.25-5.35GHz

19/10/2024

CF (Hz)
5.33G

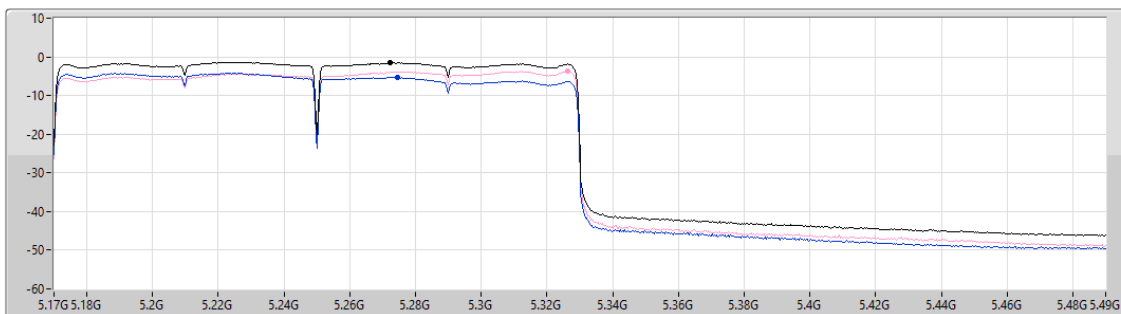
Span (Hz)
320M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
14.956

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

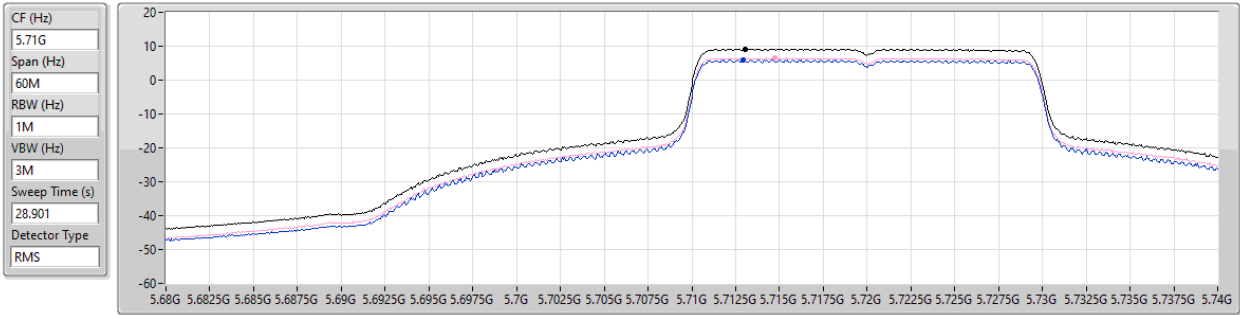
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.55	-1.55	-5.32	-3.68

5.47-5.725GHz_802.11be EHT20_Nss2,(MCS0)_2TX

PSD

5720MHz Straddle 5.47-5.725GHz

19/10/2024



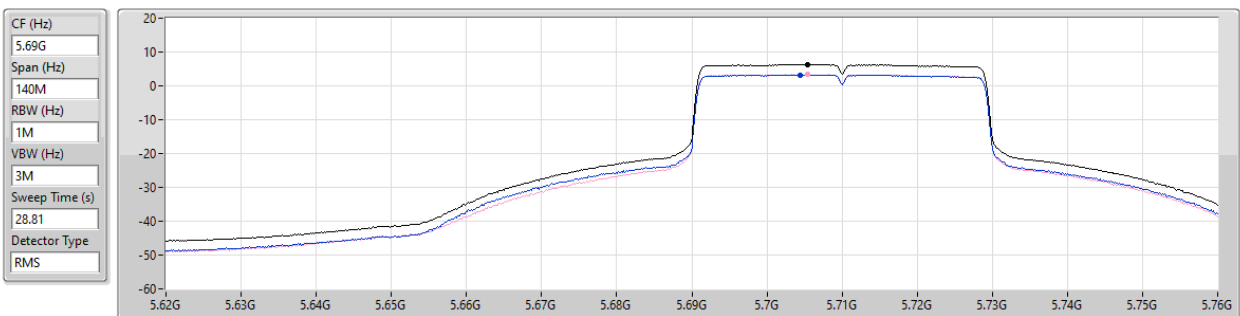
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.16	9.16	5.89	6.46

5.47-5.725GHz_802.11be EHT40_Nss2,(MCS0)_2TX

PSD

5710MHz Straddle 5.47-5.725GHz

19/10/2024



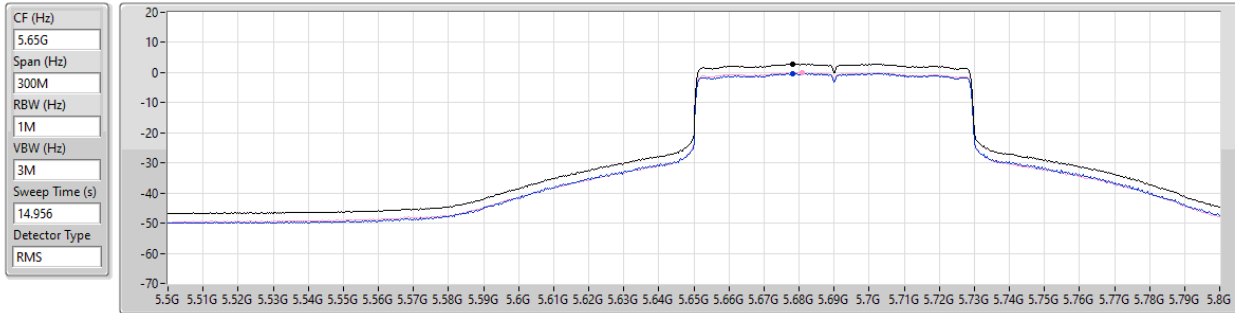
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.30	6.30	3.23	3.38

5.47-5.725GHz_802.11be EHT80_Nss2,(MCS0)_2TX

PSD

5690MHz Straddle 5.47-5.725GHz

19/10/2024



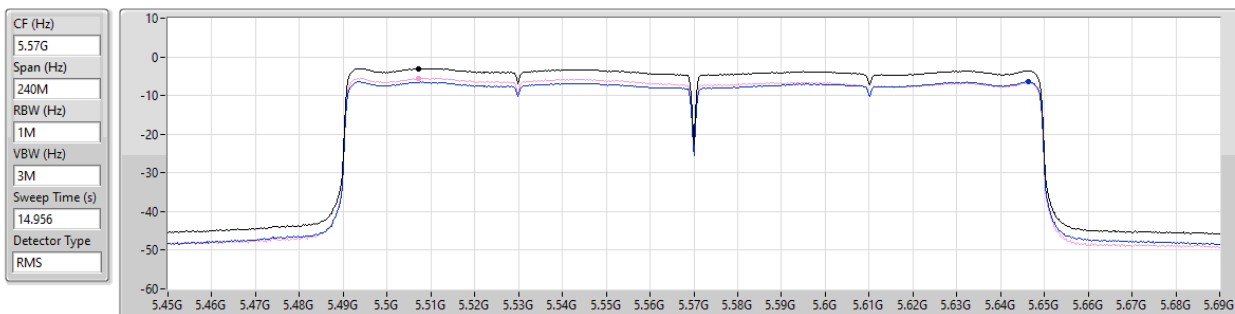
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.77	2.77	-0.33	-0.09

5.47-5.725GHz_802.11be EHT160_Nss2,(MCS0)_2TX

PSD

5570MHz

19/10/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.00	-3.00	-6.36	-5.50

5.725-5.85GHz_802.11be EHT20_Nss2,(MCS0)_2TX

PSD

5745MHz

19/10/2024

CF (Hz)
5.745G

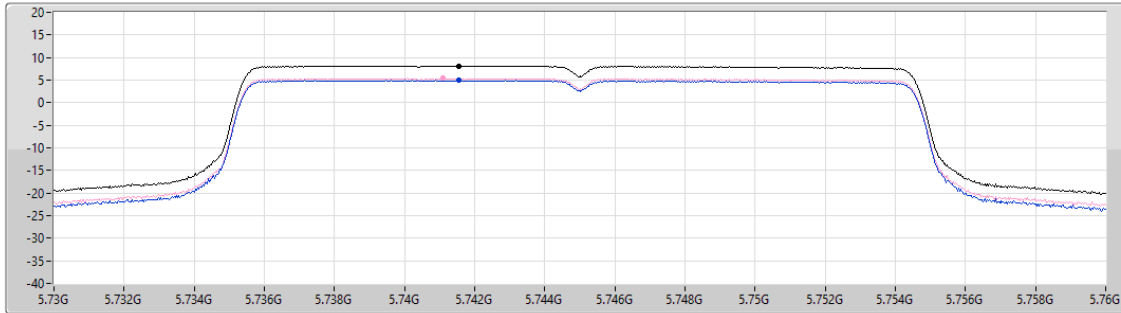
Span (Hz)
30M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
28.901

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.14	8.14	4.96	5.37

5.725-5.85GHz_802.11be EHT40_Nss2,(MCS0)_2TX

PSD

5755MHz

19/10/2024

CF (Hz)
5.755G

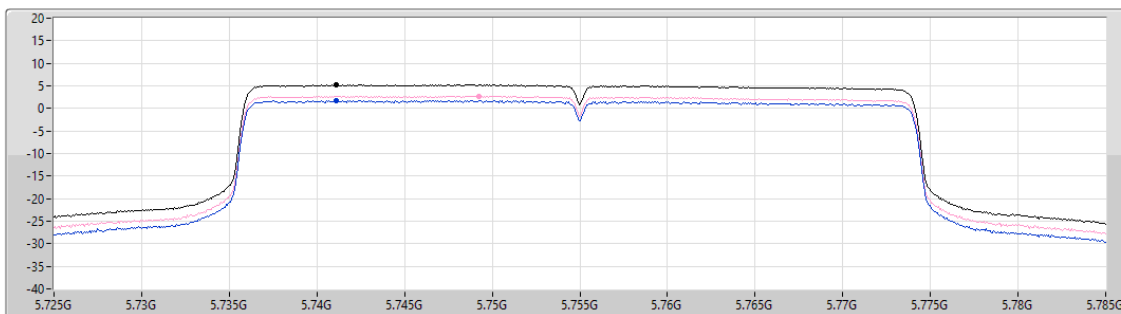
Span (Hz)
60M

RBW (Hz)
500k

VBW (Hz)
3M

Sweep Time (s)
28.81

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

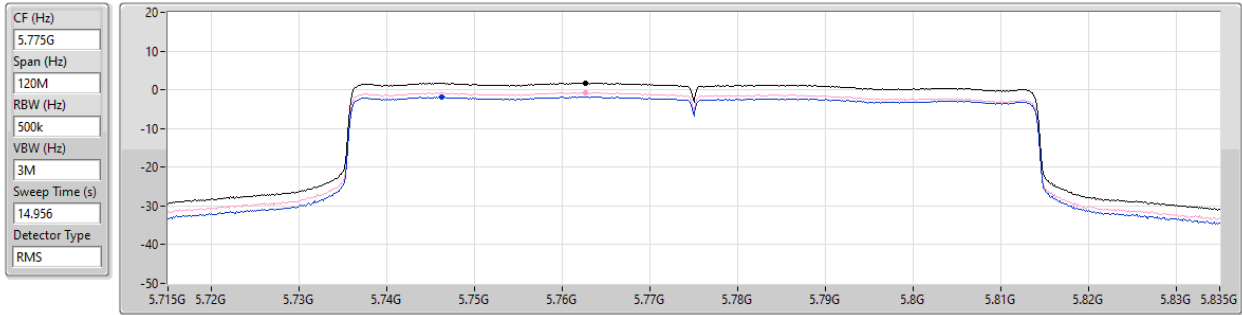
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.25	5.25	1.80	2.70

5.725-5.85GHz_802.11be EHT80_Nss2,(MCS0)_2TX

PSD

5775MHz

19/10/2024



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.70	1.70	-1.89	-0.76



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.10
802.11be EHT20_Nss1,(MCS0)_1TX	5.45
802.11be EHT40_Nss1,(MCS0)_1TX	3.16
802.11be EHT80_Nss1,(MCS0)_1TX	0.22
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_1TX	7.46
802.11be EHT20_Nss1,(MCS0)_1TX	6.98
802.11be EHT40_Nss1,(MCS0)_1TX	4.13
802.11be EHT80_Nss1,(MCS0)_1TX	0.80

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	3.49	6.10	6.10	17.00
5200MHz	Pass	3.49	5.75	5.75	17.00
5240MHz	Pass	3.49	4.36	4.36	17.00
5260MHz	Pass	3.73	6.04	6.04	11.00
5300MHz	Pass	3.73	7.46	7.46	11.00
5320MHz	Pass	3.73	7.43	7.43	11.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	3.49	5.45	5.45	17.00
5200MHz	Pass	3.49	5.20	5.20	17.00
5240MHz	Pass	3.49	3.99	3.99	17.00
5260MHz	Pass	3.73	5.48	5.48	11.00
5300MHz	Pass	3.73	6.95	6.95	11.00
5320MHz	Pass	3.73	6.98	6.98	11.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	3.49	3.16	3.16	17.00
5230MHz	Pass	3.49	2.12	2.12	17.00
5270MHz	Pass	3.73	3.53	3.53	11.00
5310MHz	Pass	3.73	4.13	4.13	11.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	3.49	0.22	0.22	17.00
5290MHz	Pass	3.73	0.80	0.80	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)_1TX

PSD

5180MHz

22/10/2024

CF (Hz)
5.18G

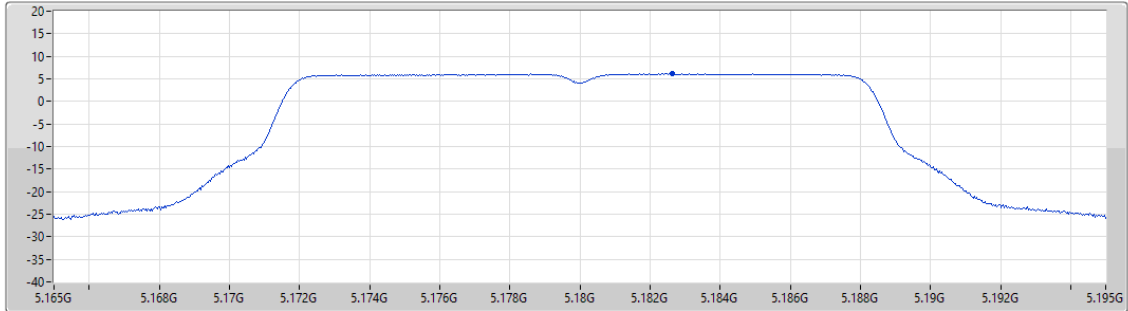
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.10	6.10	6.10

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

22/10/2024

CF (Hz)
5.18G

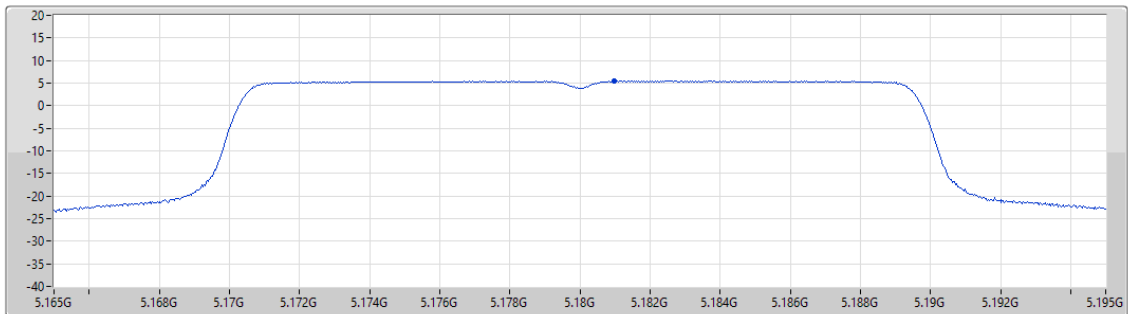
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.45	5.45	5.45

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

22/10/2024

CF (Hz)
5.19G

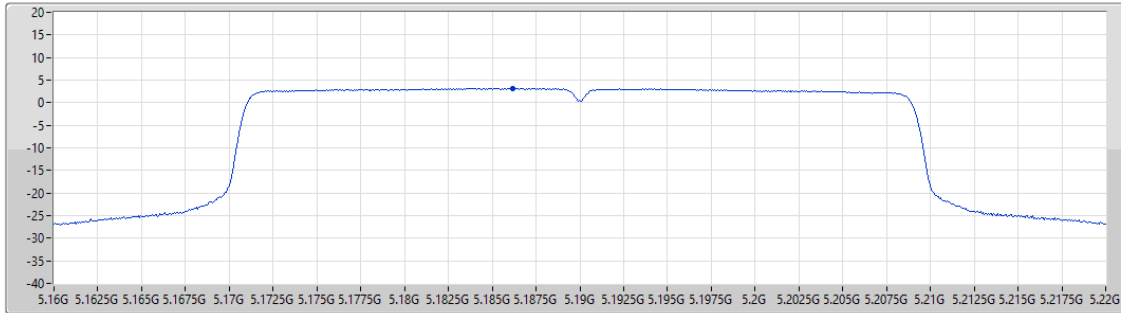
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.16	3.16	3.16

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

22/10/2024

CF (Hz)
5.21G

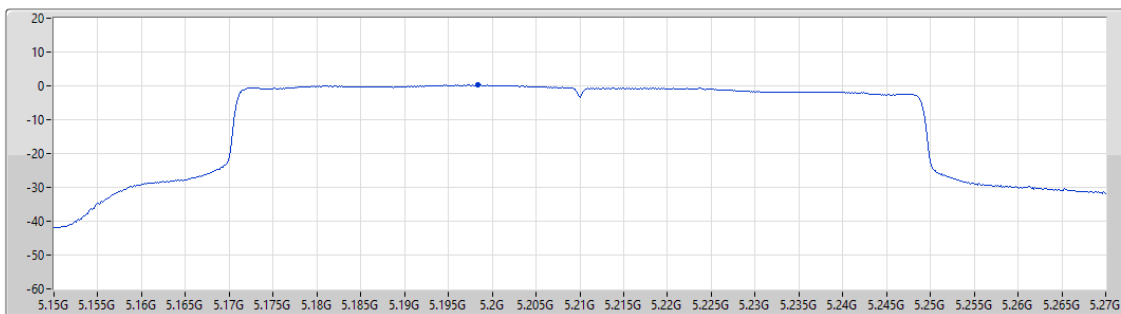
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.78

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.22	0.22	0.22

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

PSD

5300MHz

22/10/2024

CF (Hz)
5.3G

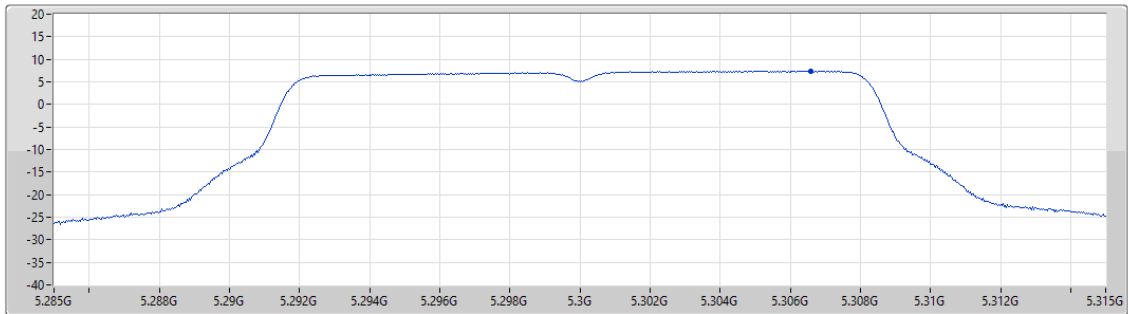
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.46	7.46	7.46

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5320MHz

22/10/2024

CF (Hz)
5.32G

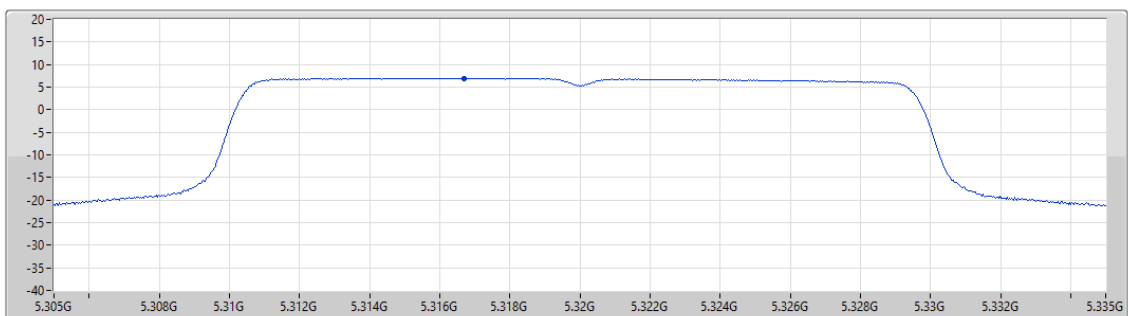
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Port 1

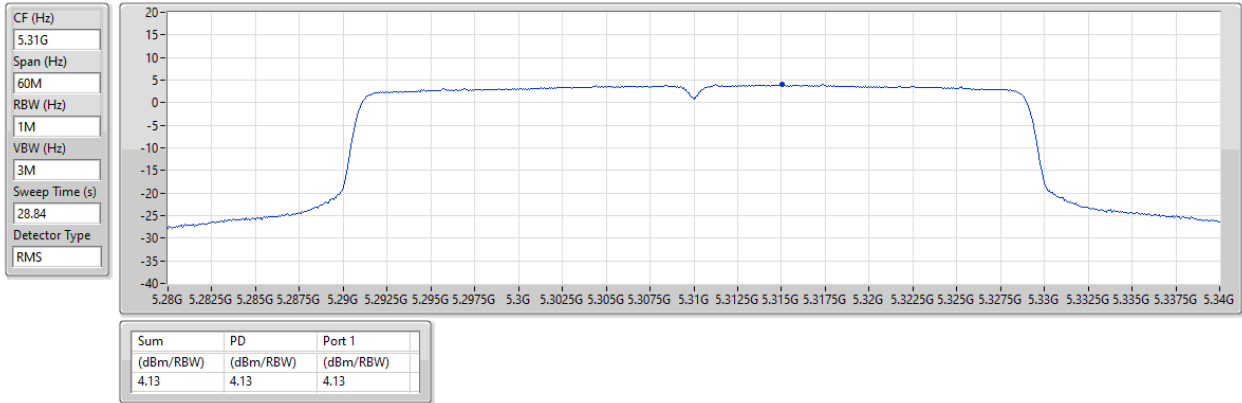
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.98	6.98	6.98

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5310MHz

22/10/2024

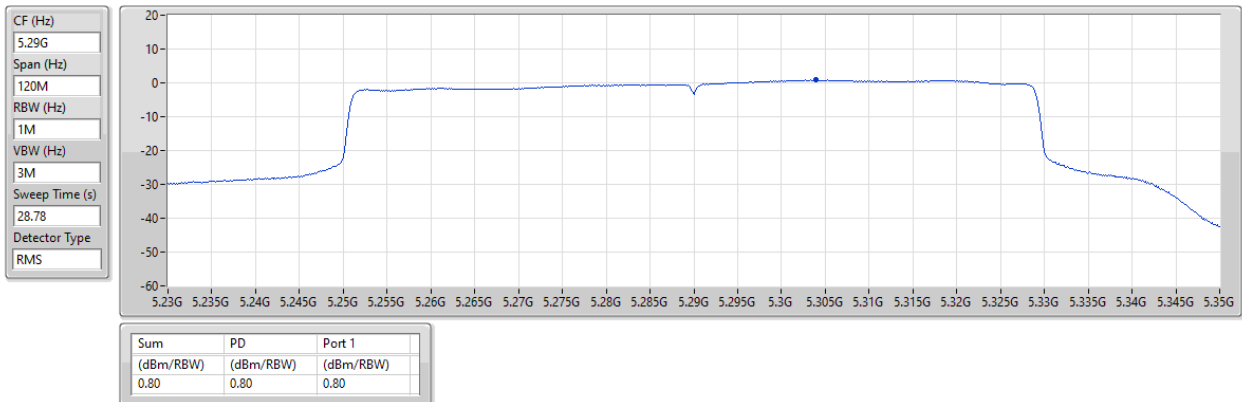


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5290MHz

22/10/2024





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_2TX	9.39
802.11be EHT20_Nss1,(MCS0)_2TX	8.91
802.11be EHT40_Nss1,(MCS0)_2TX	6.29
802.11be EHT80_Nss1,(MCS0)_2TX	2.46
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_2TX	10.48
802.11be EHT20_Nss1,(MCS0)_2TX	9.90
802.11be EHT40_Nss1,(MCS0)_2TX	6.57
802.11be EHT80_Nss1,(MCS0)_2TX	2.21

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.77	6.26	6.73	9.39	17.00
5200MHz	Pass	5.77	5.96	6.48	9.19	17.00
5240MHz	Pass	5.77	4.81	5.27	7.98	17.00
5260MHz	Pass	5.82	6.19	6.26	9.15	11.00
5300MHz	Pass	5.82	7.51	7.13	10.29	11.00
5320MHz	Pass	5.82	7.77	7.25	10.48	11.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	5.77	5.89	6.15	8.91	17.00
5200MHz	Pass	5.77	5.44	5.91	8.61	17.00
5240MHz	Pass	5.77	4.18	4.77	7.48	17.00
5260MHz	Pass	5.82	5.65	5.78	8.65	11.00
5300MHz	Pass	5.82	7.19	6.81	9.89	11.00
5320MHz	Pass	5.82	7.17	6.81	9.90	11.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	5.77	3.39	3.30	6.29	17.00
5230MHz	Pass	5.77	2.32	2.15	5.23	17.00
5270MHz	Pass	5.82	3.58	3.61	6.57	11.00
5310MHz	Pass	5.82	3.28	2.63	5.89	11.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	5.77	-0.57	-0.49	2.46	17.00
5290MHz	Pass	5.82	-0.71	-0.76	2.21	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)_2TX

PSD

5180MHz

22/10/2024

CF (Hz)
5.18G

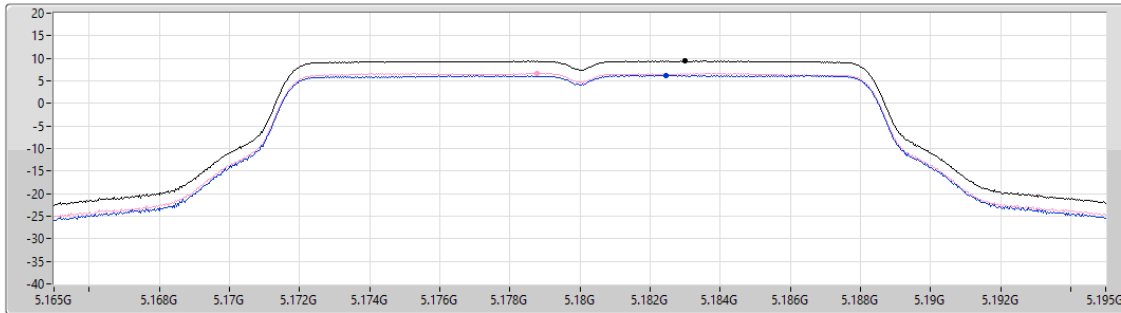
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.39	9.39	6.26	6.73

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

22/10/2024

CF (Hz)
5.18G

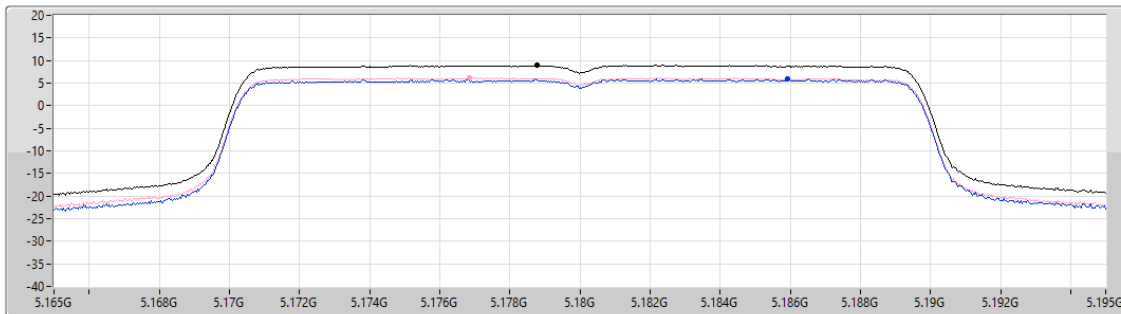
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.91	8.91	5.89	6.15

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5190MHz

22/10/2024

CF (Hz)
5.19G

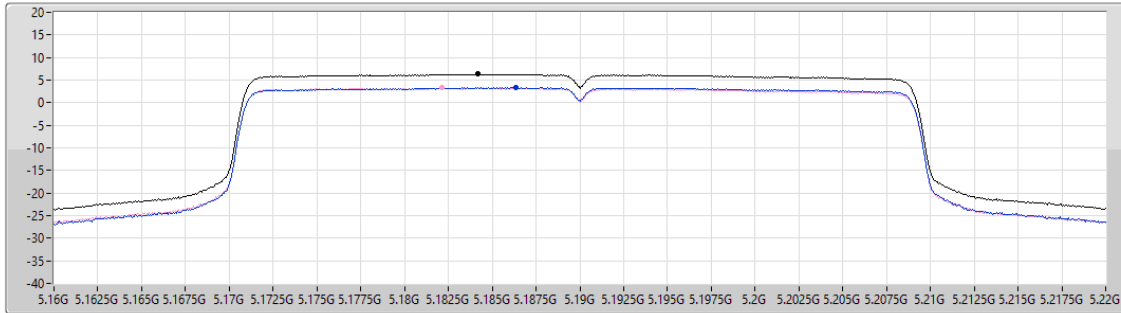
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.29	6.29	3.39	3.30

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5210MHz

22/10/2024

CF (Hz)
5.21G

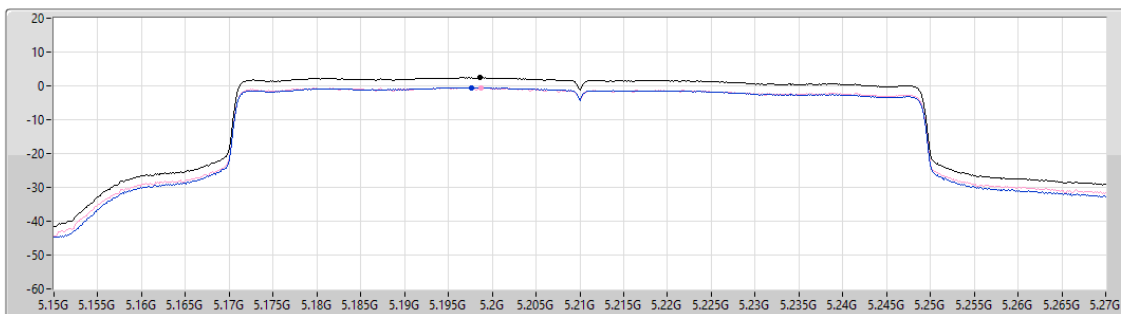
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.78

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.46	2.46	-0.57	-0.49

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5320MHz

22/10/2024

CF (Hz)
5.32G

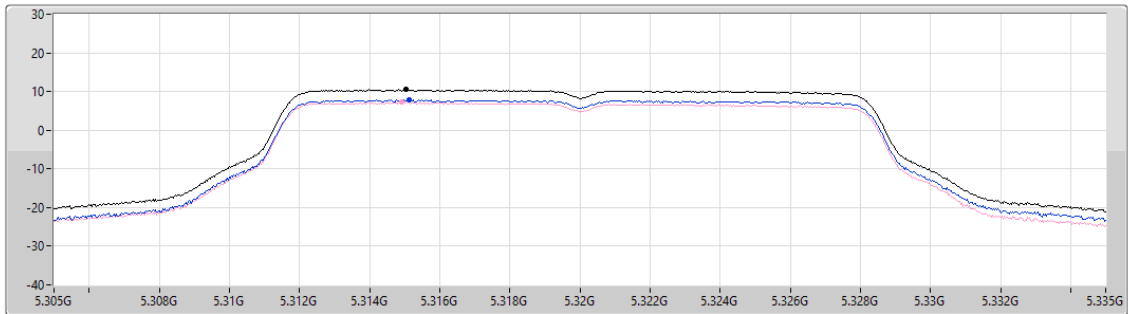
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
30.462

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.48	10.48	7.77	7.25

5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5320MHz

22/10/2024

CF (Hz)
5.32G

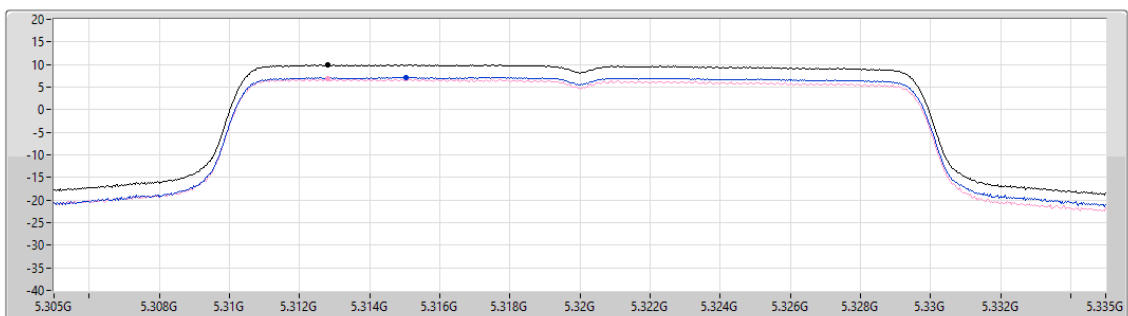
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.031

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.90	9.90	7.17	6.81

5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

PSD

5270MHz

22/10/2024

CF (Hz)
5.27G

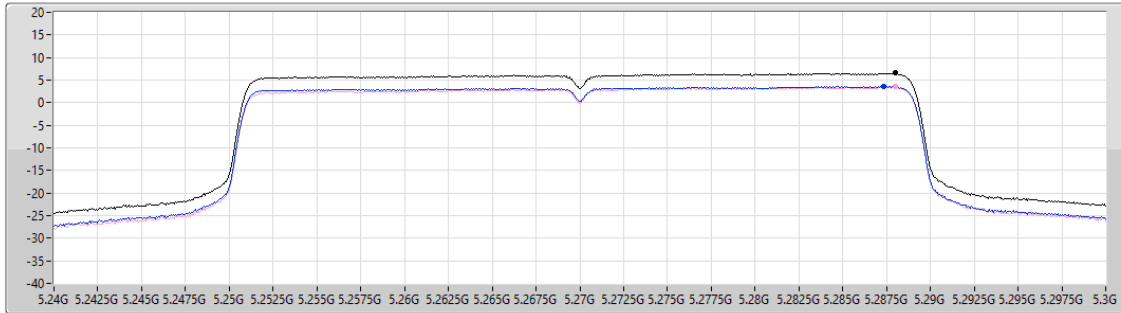
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.84

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	3.58	3.61

5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

PSD

5290MHz

22/10/2024

CF (Hz)
5.29G

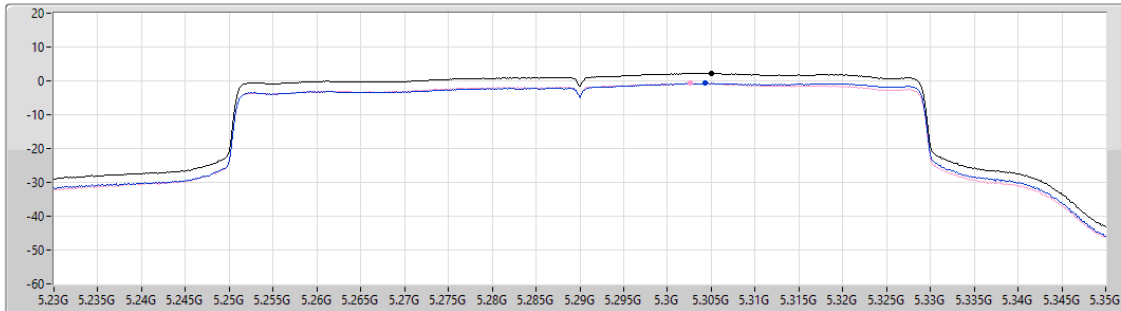
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
28.78

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.21	2.21	-0.71	-0.76