

Testing Laboratory
3787

RADIO TEST REPORT

FCC ID : UDX-600216010
Equipment : Cisco Wireless 9179F Series Wi-Fi 7 Access Point
Brand Name : CISCO
Model Name : CW9179F
Applicant : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134 USA
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 29, 2024, and testing was started from Dec. 18, 2024 and completed on Jun. 19, 2025. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.3	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

Reviewed by: Sam Chen**Report Producer: Sophia Shiung**



1 General Description

1.1 Information

1.1.1 RF General Information

<Radio 1>

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]

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

**<Radio 3>**

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]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5150-5250	ac (VHT80), ax (HEW80), be (EHT80)	5210	42 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1, 2, 4TX
5.15-5.25GHz	802.11n HT20	20	1, 2, 4TX
5.15-5.25GHz	802.11n HT20-BF	20	2, 4TX
5.15-5.25GHz	802.11ac VHT20	20	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2, 4TX
5.15-5.25GHz	802.11ax HEW20	20	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2, 4TX
5.15-5.25GHz	802.11be EHT20	20	1, 2, 4TX
5.15-5.25GHz	802.11be EHT20-BF	20	2, 4TX
5.15-5.25GHz	802.11n HT40	40	1, 2, 4TX
5.15-5.25GHz	802.11n HT40-BF	40	2, 4TX
5.15-5.25GHz	802.11ac VHT40	40	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2, 4TX
5.15-5.25GHz	802.11ax HEW40	40	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2, 4TX
5.15-5.25GHz	802.11be EHT40	40	1, 2, 4TX
5.15-5.25GHz	802.11be EHT40-BF	40	2, 4TX
5.15-5.25GHz	802.11n HT80	80	1, 2, 4TX
5.15-5.25GHz	802.11n HT80-BF	80	2, 4TX
5.15-5.25GHz	802.11ac VHT80	80	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2, 4TX
5.15-5.25GHz	802.11ax HEW80	80	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2, 4TX
5.15-5.25GHz	802.11be EHT80	80	1, 2, 4TX
5.15-5.25GHz	802.11be EHT80-BF	80	2, 4TX



For MRU (Static preamble puncturing):

Multi-RU:

RU-tone	Bandwidth (MHz)			5GHz Test CH
				UNII-1
	80			CH42
242+242(MCS0)	242		242	V
242+242(MCS4)	242		242	V
484+242(MCS0)	484		242	V
484+242(MCS4)	484		242	V

Puncturing:

RU-tone	Configuration	Bandwidth (MHz)			5GHz Test CH
					UNII-1
		80			CH42
484+242	1		242	484	--
	2	242		484	V
	3	484		242	V
	4	484	242		V

**<Radio 5>**

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]
5150-5250	n (HT40), ac (VHT40), ax (HEW40), be (EHT40)	5190-5230	38-46 [2]
5150-5250	ac (VHT80), ax (HEW80), be (EHT80)	5210	42 [1]

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1, 2, 4TX
5.15-5.25GHz	802.11n HT20	20	1, 2, 4TX
5.15-5.25GHz	802.11n HT20-BF	20	2, 4TX
5.15-5.25GHz	802.11ac VHT20	20	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT20-BF	20	2, 4TX
5.15-5.25GHz	802.11ax HEW20	20	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW20-BF	20	2, 4TX
5.15-5.25GHz	802.11be EHT20	20	1, 2, 4TX
5.15-5.25GHz	802.11be EHT20-BF	20	2, 4TX
5.15-5.25GHz	802.11n HT40	40	1, 2, 4TX
5.15-5.25GHz	802.11n HT40-BF	40	2, 4TX
5.15-5.25GHz	802.11ac VHT40	40	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT40-BF	40	2, 4TX
5.15-5.25GHz	802.11ax HEW40	40	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	2, 4TX
5.15-5.25GHz	802.11be EHT40	40	1, 2, 4TX
5.15-5.25GHz	802.11be EHT40-BF	40	2, 4TX
5.15-5.25GHz	802.11n HT80	80	1, 2, 4TX
5.15-5.25GHz	802.11n HT80-BF	80	2, 4TX
5.15-5.25GHz	802.11ac VHT80	80	1, 2, 4TX
5.15-5.25GHz	802.11ac VHT80-BF	80	2, 4TX
5.15-5.25GHz	802.11ax HEW80	80	1, 2, 4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	2, 4TX
5.15-5.25GHz	802.11be EHT80	80	1, 2, 4TX
5.15-5.25GHz	802.11be EHT80-BF	80	2, 4TX

For MRU (Static preamble puncturing):

Multi-RU:

RU-tone	Bandwidth (MHz)			5GHz Test CH
				UNII-1
	80			CH42
242+242(MCS0)	242		242	V
242+242(MCS4)	242		242	V
484+242(MCS0)	484		242	V
484+242(MCS4)	484		242	V

Puncturing:

RU-tone	Configuration	Bandwidth (MHz)			5GHz Test CH
					UNII-1
		80			CH42
484+242	1		242	484	--
	2	242		484	V
	3	484		242	V
	4	484		242	V

Note:

- 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 and VHT80 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- HEW20, HEW40 and HEW80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- EHT20, EHT40 and EHT80 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM, 4096QAM modulation.
- BWch is the nominal channel bandwidth.

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

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

**1.1.3 Antenna Information****<Internal Antenna>**

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	WNC	57XPAD15.LAU	Dipole	U.FL	Radio 1
2	WNC	57XPAD15.MAU	Dipole	U.FL	
3	WNC	57XPAD15.AAU	Dipole	U.FL	
4	WNC	57XPAD15.BAU	Dipole	U.FL	Radio 2
5	WNC	57XPAD15.CAU	Dipole	U.FL	
6	WNC	57XPAD15.DAU	Dipole	U.FL	
7	WNC	57XPAD15.HAU	Dipole	U.FL	Radio 3
8	WNC	57XPAD15.HAU	Dipole	U.FL	
9	WNC	57XPAD15.IAU	Dipole	U.FL	
10	WNC	57XPAD15.IAU	Dipole	U.FL	Radio 4
11	WNC	57XPAD15.JAU	Dipole	U.FL	
12	WNC	57XPAD15.JAU	Dipole	U.FL	
13	WNC	57XPAD15.KAU	Dipole	U.FL	Radio 5
14	WNC	57XPAD15.KAU	Dipole	U.FL	
15	WNC	57XPAD15.EAU	Dipole	U.FL	
16	WNC	57XPAD15.EAU	Dipole	U.FL	Radio 6
17	WNC	57XPAD15.FAU	Dipole	U.FL	
18	WNC	57XPAD15.FAU	Dipole	U.FL	
19	WNC	57XPAD15.NAU	Loop	U.FL	Radio 7
20	WNC	57XPAD15.PAU	PIFA	U.FL	
21	WNC	57XPAD15.0DG	PIFA	U.FL	
22	WNC	57XPAD15.OAU	Patch	U.FL	Radio 8
23	WNC	57XPAD15.OAU	Patch	U.FL	

Ant.	Port	Gain (dBi)						Support
		WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz			
			UNII 1~2A	UNII 2C~3	UNII 5~6	UNII 7	UNII 8	
1	1	3.7	4.9	6.1	5.0	5.8	5.7	Radio 1
2	2	5.1	4.5	5.2	5.5	6.4	5.3	
3	1	5.0	-	-	-	-	-	
4	2	4.3	-	-	-	-	-	
5	3	5.1	-	-	-	-	-	
6	4	5.3	-	-	-	-	-	



Ant.	Port	Gain (dBi)					Support
		WLAN 5GHz					
		Mode	UNII 1	UNII 2A	UNII 2C	UNII 3	
7	3	Boresight	9.3	9.4	9.7	9.8	Radio 3
		Steering	9.4	9.4	10.0	10.0	
8	4	Boresight	10.3	10.3	10.6	10.2	
		Steering	10.2	10.2	10.6	10.3	
9	2	Boresight	9.6	9.9	10.3	9.9	
		Steering	9.9	9.8	10.3	10.1	
10	1	Boresight	10.4	10.6	10.7	10.4	
		Steering	10.3	10.7	10.6	10.4	

Ant.	Port	Gain (dBi)					Support
		WLAN 6GHz					
		Mode	UNII 5	UNII 6	UNII 7	UNII 8	
11	3	Narrow Beam	9.2	9.0	9.0	9.1	Radio 4
		Wide Beam	5.4	4.9	5.3	6.0	
12	4	Narrow Beam	9.2	8.7	8.7	8.8	
		Wide Beam	5.1	5.2	5.2	5.4	
13	2	Narrow Beam	10.0	9.8	9.8	9.9	
		Wide Beam	6.4	6.2	6.5	6.9	
14	1	Narrow Beam	9.8	10.1	10.1	10.0	
		Wide Beam	5.6	6.2	6.2	7.0	

Ant.	Port	Gain (dBi)						Support
		WLAN 5GHz			Bluetooth / Zigbee	UWB	GPS	
		Mode	UNII 1	UNII 2A				
15	2	Boresight	8.6	8.8	-	-	-	Radio 5
		Steering	8.5	9.0	-	-	-	
16	1	Boresight	9.4	9.4	-	-	-	
		Steering	9.4	9.4	-	-	-	
17	4	Boresight	8.7	9.3	-	-	-	
		Steering	8.8	9.2	-	-	-	
18	3	Boresight	8.5	9.0	-	-	-	
		Steering	8.5	9.0	-	-	-	
19	1	-	-	-	6.1	-	-	Radio 6
20	1	-	-	-	-	-	3.8	Radio 7
21	1	-	-	-	-	-	3.5	
22	2	-	-	-	-	8.2	-	Radio 8
23	1	-	-	-	-	8.6	-	

**<External Antenna>**

Ant.	Port	Brand	Model Name	Antenna Type	Connector	Support
1	1~4	CISCO	AIR-ANT2588P4M-NS	(Panel) Dual-polarized directional	N-Female Bulkhead	Radio 2, Radio 5
2	1~4	CISCO	AIR-ANT2566D4M-R	(Patch) Dual-Band Polarization-Diverse Directional Array	RP-TNC (with coupling ring)	
3	1~4	CISCO	AIR-ANT2566D4M-RS	(Patch) Dual-Band Polarization-Diverse Directional Array	RP-TNC (with coupling ring)	
4	1~4	CISCO	AIR-ANT2566P4W-R	(Patch) 4-element dual-band MIMO	RP-TNC	
5	1~4	CISCO	AIR-ANT2566P4W-RS	(Patch) 4-element dual-band MIMO	RP-TNC	
6	1~4	CISCO	CW-ANT-T-D3-N	Dipole	RP-TNC	
7	1	CISCO	CW-ANT-GPS1-M-00	OMNI	MMCX	Radio 7

Ant.	Gain (dBi)					Support
	Pol	WLAN 2.4GHz				
		Peak Gain	Internal Cable Loss	External Cable Loss	Net Gain	
1	V-Pol*2	9.1	0.83	0.5	7.77	Radio 2
	H-Pol*2	7.1	0.83		5.77	
2~3	V-Pol*2	6	0.83	-	5.17	
	H-Pol*2	6	0.83	-	5.17	
4~5	V-Pol*4	6	0.83	-	5.17	
6	-	6	0.83	-	5.17	

Ant.	Gain (dBi)					Support
	Pol	WLAN 5GHz				
		Peak Gain	Internal Cable Loss	External Cable Loss	Net Gain	
1	V-Pol*2	9.6	1.29	0.8	7.51	Radio 5
	H-Pol*2	7.8	1.29		5.71	
2~3	V-Pol*2	6	1.29	-	4.71	
	H-Pol*2	6	1.29	-	4.71	
4~5	V-Pol*4	6	1.29	-	4.71	
6	-	7.5	1.29	-	6.21	

Ant.	Gain (dBi)		Support
	GPS		
7	5		Radio 7

Note 1: The above information was declared by manufacturer.

Note 2: For external Ant. 1~6:

For radiated measurement: The external Ant. 1, 5 and 6 with the highest antenna gain for each type were selected for testing.

For conducted measurement:

NonTXBF power: The external Ant. 1 with the highest antenna gain was selected for testing.

NonTXBF PSD / TXBF power & PSD:

2.4GHz: The external Ant. 4 with the highest antenna array gain was selected for testing.

5GHz: The external Ant. 6 with the highest antenna array gain was selected for testing.

Note 3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where;

For nonTXBF power:

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	2.4G External	2TX	7.77	5.77	-	-	7.77	Cross-Polarized Antenna
		4TX	7.77	5.77	7.77	5.77	7.77	
	2.4G Internal	2TX	5	4.3	-	-	5	
		4TX	5	4.3	5.1	5.3	5.3	
3	5G UNII 1 (Note 4)	2TX	10.4	9.9	-	-	10.4	
		4TX	10.4	9.9	9.4	10.3	10.4	
	5G UNII 1 (Boresight)	2TX	10.4	9.6	-	-	10.4	
		4TX	10.4	9.6	9.3	10.3	10.4	
	5G UNII 2A (Note 4)	2TX	10.7	9.9	-	-	10.7	
		4TX	10.7	9.9	9.4	10.3	10.7	
	5G UNII 2A (Boresight)	2TX	10.6	9.9	-	-	10.6	
		4TX	10.6	9.9	9.4	10.3	10.6	
	5G UNII 2C (Note 4)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	10	10.6	10.7	
	5G UNII 2C (Boresight)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	9.7	10.6	10.7	
	5G UNII 2C (Steering)	2TX	10.6	10.3	-	-	10.6	
		4TX	10.6	10.3	10	10.6	10.6	



Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
3	5G UNII 3 (Note 4)	2TX	10.4	10.1	-	-	10.4	Cross-Polarized Antenna
		4TX	10.4	10.1	10	10.3	10.4	
	5G UNII 3 (Boresight)	2TX	10.4	9.9	-	-	10.4	
		4TX	10.4	9.9	9.8	10.2	10.4	
	5G UNII 3 (Steering)	2TX	10.4	10.1	-	-	10.4	
		4TX	10.4	10.1	10	10.3	10.4	
4	6G UNII 5 (Narrow Beam)	2TX	9.8	10	-	-	10	
		4TX	9.8	10	9.2	9.2	10	
	6G UNII 5 (Wide Beam)	2TX	5.6	6.4	-	-	6.4	
		4TX	5.6	6.4	5.4	5.1	6.4	
	6G UNII 6 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	10.1	
	6G UNII 6 (Wide Beam)	2TX	6.2	6.2	-	-	6.2	
		4TX	6.2	6.2	4.9	5.2	6.2	
	6G UNII 7 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	10.1	
	6G UNII 7 (Wide Beam)	2TX	6.2	6.5	-	-	6.5	
		4TX	6.2	6.5	5.3	5.2	6.5	
5	5G UNII 1~2A External	2TX	7.51	5.71	-	-	7.51	
		4TX	7.51	5.71	7.51	5.71	7.51	
	5G UNII 1 Internal (Note 4)	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.8	9.4	
	5G UNII 1 Internal (Boresight)	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.7	9.4	
	5G UNII 1 Internal (Steering)	2TX	9.4	8.5	-	-	9.4	
		4TX	9.4	8.5	8.5	8.8	9.4	
	5G UNII 2A Internal (Note 4)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.3	9.4	
	5G UNII 2A Internal (Boresight)	2TX	9.4	8.8	-	-	9.4	
		4TX	9.4	8.8	9	9.3	9.4	
	5G UNII 2A Internal (Steering)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.2	9.4	

**For nonTXBF PSD / TXBF power & PSD:**

Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
2	2.4G External	2TX	5.17	5.17	-	-	8.18	-
		4TX	5.17	5.17	5.17	5.17	11.19	
	2.4G Internal	2TX	5	4.3	-	-	5	
		4TX	5	4.3	5.1	5.3	7.95	
3	5G UNII 1 (Note 4)	2TX	10.4	9.9	-	-	10.4	Cross-Polarized Antenna
		4TX	10.4	9.9	9.4	10.3	13.02	
	5G UNII 1 (Boresight)	2TX	10.4	9.6	-	-	10.4	
		4TX	10.4	9.6	9.3	10.3	12.93	
	5G UNII 2A (Note 4)	2TX	10.7	9.9	-	-	10.7	
		4TX	10.7	9.9	9.4	10.3	13.11	
	5G UNII 2A (Boresight)	2TX	10.6	9.9	-	-	10.6	
		4TX	10.6	9.9	9.4	10.3	13.08	
	5G UNII 2C (Note 4)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	10	10.6	13.42	
	5G UNII 2C (Boresight)	2TX	10.7	10.3	-	-	10.7	
		4TX	10.7	10.3	9.7	10.6	13.35	
	5G UNII 2C (Steering)	2TX	10.6	10.3	-	-	10.6	
		4TX	10.6	10.3	10	10.6	13.31	
	5G UNII 3 (Note 4)	2TX	10.4	10.1	-	-	10.4	
		4TX	10.4	10.1	10	10.3	13.21	
4	6G UNII 5 (Narrow Beam)	2TX	9.8	10	-	-	10	Cross-Polarized Antenna
		4TX	9.8	10	9.2	9.2	12.57	
	6G UNII 5 (Wide Beam)	2TX	5.6	6.4	-	-	6.4	
		4TX	5.6	6.4	5.4	5.1	8.66	
	6G UNII 6 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	12.45	
	6G UNII 6 (Wide Beam)	2TX	6.2	6.2	-	-	6.2	
		4TX	6.2	6.2	4.9	5.2	8.67	
	6G UNII 7 (Narrow Beam)	2TX	10.1	9.8	-	-	10.1	
		4TX	10.1	9.8	9	8.7	12.45	
	6G UNII 7 (Wide Beam)	2TX	6.2	6.5	-	-	6.5	
		4TX	6.2	6.5	5.3	5.2	8.85	
	6G UNII 8 (Narrow Beam)	2TX	10	9.9	-	-	10	Cross-Polarized Antenna
		4TX	10	9.9	9.1	8.8	12.49	
	6G UNII 8 (Wide Beam)	2TX	7	6.9	-	-	7	Cross-Polarized Antenna
		4TX	7	6.9	6.0	5.4	9.38	



Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
5	5G UNII 1~2A External	2TX	6.21	6.21	-	-	9.22	-
		4TX	6.21	6.21	6.21	6.21	12.23	
	5G UNII 1 Internal (Note 4)	2TX	9.4	8.6	-	-	9.4	Cross-Polarized Antenna
		4TX	9.4	8.6	8.5	8.8	12.19	
	5G UNII 1 Internal (Boresight)	2TX	9.4	8.6	-	-	9.4	
		4TX	9.4	8.6	8.5	8.7	11.82	
	5G UNII 1 Internal (Steering)	2TX	9.4	8.5	-	-	9.4	
		4TX	9.4	8.5	8.5	8.8	11.82	
	5G UNII 2A Internal (Note 4)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.3	12.19	
	5G UNII 2A Internal (Boresight)	2TX	9.4	8.8	-	-	9.4	
		4TX	9.4	8.8	9	9.3	12.14	
	5G UNII 2A Internal (Steering)	2TX	9.4	9	-	-	9.4	
		4TX	9.4	9	9	9.2	12.16	

Note 4: For RF Conducted: For internal Ant. 7~10 and Ant. 15~18, only the mode with higher antenna gain between Boresight mode and Steering mode was selected to record in this column and to perform all the test items, except for RF exposure tests.

Note 5: **<Radio 1>**

For 2.4GHz function:

For IEEE 802.11 b/g/n/VHT/ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax (1TX/2RX):

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

**<Radio 2>****For 2.4GHz function:****For IEEE 802.11 b/g/n/VHT/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 3>**For 5GHz function:****For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 4>**For 6GHz function:****For IEEE 802.11 ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

**<Radio 5>****For 5GHz function:****For IEEE 802.11 a/n/ac/ax/be (1TX, 2TX, 4TX/4RX):****1TX:**

Only Port 1 can be used as transmitting antenna.

2TX:

Both Port 1 and 2 can be used as transmitting antenna.

Port 1~2 could transmit simultaneously.

4TX:

Port 1~4 can be used as transmitting antenna.

Port 1~4 could transmit simultaneously.

4RX:

Port 1~4 can be used as receiving antenna.

Port 1~4 could receive simultaneously.

<Radio 6>**For Bluetooth function (1TX/1RX):**

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

For Zigbee function (1TX/1RX):

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

<Radio 7>**For GPS function (1RX):**

The EUT supports the antenna with RX diversity functions.

Internal Ant. 20~21 and external Ant. 7 can be used as receiving antenna, but only one of them will be used at one time.

<Radio 8>**For UWB function (1TX/2RX):**

Only Port 1 can be used as transmitting antenna.

Both Port 1 and 2 can be used as receiving antenna.

Port 1~2 could receive simultaneously.

**1.1.4 Mode Test Duty Cycle****<Radio 1>**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a	0.933	0.3	1.977m	1k
802.11ax HEW20	0.808	0.93	5.447m	300
802.11ax HEW40	0.807	0.93	5.447m	300
802.11ax HEW80	0.807	0.93	5.445m	300

<Radio 3>**For Full RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a Nss 1,(6D)	0.993	0.03	1.981m	10Hz (DC>=0.98)
802.11be EHT20_Nss 1,(M0)	0.998	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT40_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT80_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)

For MRU (Static preamble puncturing):**Multi-RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.851	0.7	2.744m	500
802.11be EHT80_Nss1,(MCS0),RU242+RU242	0.875	0.58	2.744m	500

Puncturing:

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.997	0.01	5.452m	10

**<Radio 5>****Internal Antenna_For Full RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.993	0.03	1.981m	10Hz (DC>=0.98)
802.11be EHT20_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT40_Nss 1,(M0)	0.998	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT80_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT40-BF_Nss 1,(M0)	0.998	0.01	5.456m	10Hz (DC>=0.98)
802.11be EHT80-BF_Nss 1,(M0)	0.997	0.01	5.456m	10Hz (DC>=0.98)

Internal Antenna_For MRU (Static preamble puncturing):**Multi-RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.888	0.52	2.747m	500
802.11be EHT80_Nss1,(MCS0),RU242+RU242	0.882	0.55	2.747m	500

Puncturing:

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.997	0.01	5.453m	10

External Antenna_For Full RU:

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.992	0.03	1.977m	10Hz (DC>=0.98)
802.11be EHT20_Nss 1,(M0)	0.997	0.01	5.454m	10Hz (DC>=0.98)
802.11be EHT40_Nss 1,(M0)	0.997	0.01	5.454m	10Hz (DC>=0.98)
802.11be EHT80_Nss 1,(M0)	0.997	0.01	5.453m	10Hz (DC>=0.98)
802.11be EHT20-BF_Nss 1,(M0)	0.998	0.01	5.429m	10Hz (DC>=0.98)
802.11be EHT40-BF_Nss 1,(M0)	0.997	0.01	5.429m	10Hz (DC>=0.98)
802.11be EHT80-BF_Nss 1,(M0)	0.997	0.01	5.429m	10Hz (DC>=0.98)

External Antenna_For MRU (Static preamble puncturing):**Multi-RU:**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.894	0.49	2.744m	500
802.11be EHT80_Nss1,(MCS0),RU242+RU242	0.878	0.57	2.744m	500

Puncturing:

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss1,(MCS0),RU484+RU242	0.997	0.01	5.452m	10

Note:

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

**1.1.5 EUT Operational Condition**

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for n/VHT/ax/be in 2.4GHz (Radio 2), n/ac/ax/be in 5GHz (Radio 3 and Radio 5) and ax/be in 6GHz (Radio 4).			
Channel Puncturing Function	☒	Supported Static Puncturing in Radio 3 and 5		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported in Radio 1		
Support RU	☒	Full RU in Radio 1, 3 and 5	☒	Partial RU in Radio 3 and 5
Test Software Version	Non-beamforming mode: QSPR Version 6.00.00142.1 Beamforming mode: DOS[10.0.19045.4780]			
Serial Number	For AC Conduction and Radiated below 1GHz tests: WNT284706NC For others: WNT284508JE			

Note: The above information was declared by manufacturer.

1.1.6 Table for Multiple Listing

Equipment Name	Model Name	BW of 5G Mode (MHz)	Radio 3	6G Mode	SW	Frequencies supported by 320MHz (MHz)
Cisco Wireless 9179F Series Wi-Fi 7 Access Point	CW9179F	20/40/80/160	UNII 1~3/ UNII 2C~3	6ID	Cisco	6105, 6265, 6425, 6745
				6SD		Not support
		20/40/80	UNII 2C~3	6ID&6PP	Meraki	6105, 6265, 6425, 6585, 6745, 6905
				6SD		6105

Note: The above information was declared by manufacturer.

1.1.7 Table for EUT Support Function

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

Note 1: Form above table list, only AP mode was tested and recorded in this report.

Note 2: The above information was declared by manufacturer.

1.1.8 Table for Radio Function

Function Radio (R)	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	Zigbee	UWB	GPS
R1 (Scanning Radio)	✓	✓ (UNII 1~3)	✓	-	-	-	-
R2	✓	-	-	-	-	-	-
R3	-	✓ (Note 1) (Full band: UNII 1~3) (High band: UNII 2C~3)	-	-	-	-	-
R4	-	-	✓	-	-	-	-
R5	-	✓ (Low band: UNII 1~2A)	-	-	-	-	-
R6	-	-	-	✓	✓	-	-
R7	-	-	-	-	-	-	✓
R8	-	-	-	-	-	✓	-

Note 1: For R3, the full band mode supports Boresight mode only, and the high band mode supports both Boresight mode and Steering mode.

Note 2: For WLAN 2.4GHz, R1 and R2 can't operate at the same frequency simultaneously.

For WLAN 5GHz, R1, R3 and R5 can't operate at the same frequency simultaneously.

For WLAN 6GHz, R1 and R4 can't operate at the same frequency simultaneously.

Note 3: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Ederson Huang	23.2~24.9 / 61~64	Dec. 18, 2024~ Jan. 24, 2025
				Feb. 06, 2025~ Feb. 17, 2025
				Jun. 19, 2025
Radiated < 1GHz	03CH05-CB	Jackson Peng	21.9~22.4 / 60~62	Feb. 19, 2025~ Feb. 25, 2025
Radiated > 1GHz (Others)	03CH06-CB	Jackson Peng	22.5~22.9 / 58~60	Feb. 06, 2025~ Feb. 08, 2025
	03CH05-CB		21.9~22.4 / 60~62	May 23, 2025
Radiated (Co-location)	03CH05-CB	Jackson Peng	21.9~22.4 / 60~62	Mar. 24, 2025
AC Conduction	CO02-CB	Joe Chu	23~24 / 50~51	Jan. 21, 2025~ Feb. 06, 2025
				Mar. 18, 2025



1.4 Measurement Uncertainty

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

Test date: Before May 28, 2025

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%

Test date: After May 27, 2025

Test Items	Uncertainty	Remark
Conducted Emission	2.5 dB	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

<Radio 1>

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
802.11ax HEW20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5210MHz

**<Radio 3>****For Full RU:**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_2TX



Mode
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz

For MRU (Static preamble puncturing):**Multi-RU:**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5210MHz

Puncturing:

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_4TX
5210MHz

**<Radio 5>****Internal Antenna_For Full RU:**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_2TX



Mode
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz

Internal Antenna_For MRU (Static preamble puncturing):**Multi-RU:**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5210MHz

Puncturing:

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX
5210MHz

External Antenna_For Full RU:

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_1TX



Mode
5210MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80_Nss1,(MCS0)_4TX
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_2TX
5210MHz
802.11be EHT20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
802.11be EHT40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
802.11be EHT80-BF_Nss1,(MCS0)_4TX
5210MHz

**External Antenna_For MRU (Static preamble puncturing):****Multi-RU:**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX
5210MHz

Puncturing:

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX
5210MHz

Note:

- ♦ For Radio 1: HEW20 / HEW40 / HEW80 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 is the same or lower than HEW20 / HEW40 / HEW80.
- ♦ For Radio 3 and Radio 5: EHT20 / EHT40 / EHT80 covers HT20 / HT40 / VHT20 / VHT40 / VHT80 / HEW20 / HEW40 / HEW80 due to similar modulation. The power setting for HT20 / HT40 / VHT20 / VHT40 / VHT80 / HEW20 / HEW40 / HEW80 is the same or lower than EHT20 / EHT40 / EHT80.
- ♦ For Radio 3 and Radio 5: The EUT supports non-beamforming and beamforming modes, after evaluating, the non-beamforming mode has been evaluated to be the worst case, so it was selected to test. The beamforming mode evaluates the output power only.



2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests									
Tests Item	AC power-line conducted emissions								
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz								
Operating Mode	Normal Link								
	R1 (2.4GHz/ 5GHz/6GHz)	R2 (2.4GHz)	R3 (5GHz)	R4 (6GHz)	R5 (5GHz)	R6 (BT/ Zigbee)	R7 (GPS)	R8 (UWB)	PoE
	1	2.4GHz	Internal Ant.	Boresight	Narrow Beam	N/A	BT	Internal Ant. 20	✓
2	1 (TestLAN 1)								
Mode 2 has been evaluated to be the worst case among Mode 1~2, so the measurement for Mode 3~9 will follow this same test mode.									
3	2.4GHz	Internal Ant.	Boresight	Narrow Beam	N/A	BT	Internal Ant. 20	✓	2 (TestLAN 1)
4									3 (TestLAN 1)
5									4 (TestLAN 1)
6									5 (TestLAN 1)
7									6 (TestLAN 1)
8									7 (TestLAN 1)
9									8 (TestLAN 1)
Mode 5 has been evaluated to be the worst case among Mode 1~9, so the measurement for Mode 10~11 will follow this same test mode.									
10	5GHz	Internal Ant.	Boresight	Narrow Beam	N/A	BT	Internal Ant. 20	✓	4 (TestLAN 1)
11	6GHz								
Mode 5 has been evaluated to be the worst case among Mode 1~11, so the measurement for Mode 12 will follow this same test mode.									
12	2.4GHz	Internal Ant.	Boresight	Narrow Beam	N/A	Zigbee	Internal Ant. 20	✓	4 (TestLAN 1)
Mode 5 has been evaluated to be the worst case among Mode 1~12, so the measurement for Mode 13~14 will follow this same test mode.									
13	2.4GHz	Internal Ant.	Boresight	Narrow Beam	N/A	BT	Internal Ant. 21	✓	4 (TestLAN 1)
14							External Ant. 7		
Mode 5 has been evaluated to be the worst case among Mode 1~14, so the measurement for Mode 15~19 will follow this same test mode.									
15	2.4GHz	Internal Ant.	Steering	Wide Beam	Internal Ant. (Steering)	BT	Internal Ant. 20	✓	4 (TestLAN 1)
16		External Ant. 1	Boresight	Narrow Beam	External Ant. 1				



Operating Mode	Normal Link								
	R1 (2.4GHz/ 5GHz/6GHz)	R2 (2.4GHz)	R3 (5GHz)	R4 (6GHz)	R5 (5GHz)	R6 (BT/ Zigbee)	R7 (GPS)	R8 (UWB)	PoE
17	2.4GHz	External Ant. 5	Boresight	Narrow Beam	External Ant. 5	BT	Internal Ant. 20	✓	4 (TestLAN 1)
18		External Ant. 6			External Ant. 6				
19		Internal Ant.			Internal Ant. (Boresight)				
For operating, mode 5 is the worst case and it was recorded in this test report.									

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth
Test Condition	Conducted measurement at transmit chains
Operating Mode	1 EUT_R1: 5GHz
	2 EUT_R3: 5GHz
	3 EUT_R5: 5GHz (Internal Ant.)
	4 EUT_R5: 5GHz (External Ant. 1)

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Output Power
Test Condition	Conducted measurement at transmit chains
Operating Mode	1 EUT_R1: 5GHz
	2 EUT_R3: 5GHz
	3 EUT_R5: 5GHz (Internal Ant.)
	4 EUT_R5: 5GHz - Non-beamforming mode (External Ant. 1) EUT_R5: 5GHz - Beamforming mode (External Ant. 6)

The Worst Case Mode for Following Conformance Tests		
Tests Item	Power Spectral Density	
Test Condition	Conducted measurement at transmit chains	
Operating Mode	1	EUT_R1: 5GHz
	2	EUT_R3: 5GHz_Full RU
	3	EUT_R3: 5GHz_Multi-RU
	4	EUT_R3: 5GHz_Puncturing
	5	EUT_R5: 5GHz (Internal Ant.)_Full RU
	6	EUT_R5: 5GHz (Internal Ant.)_Multi-RU
	7	EUT_R5: 5GHz (Internal Ant.)_Puncturing
	8	EUT_R5: 5GHz (External Ant. 6)_Full RU
	9	EUT_R5: 5GHz (External Ant. 6)_Multi-RU
	10	EUT_R5: 5GHz (External Ant. 6)_Puncturing

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_R1: 2.4GHz + PoE 1
2	EUT in Y axis_R1: 2.4GHz + PoE 2
3	EUT in Y axis_R1: 2.4GHz + PoE 3
4	EUT in Y axis_R1: 2.4GHz + PoE 4
5	EUT in Y axis_R1: 2.4GHz + PoE 5
6	EUT in Y axis_R1: 2.4GHz + PoE 6
7	EUT in Y axis_R1: 2.4GHz + PoE 7
8	EUT in Y axis_R1: 2.4GHz + PoE 8
Mode 4 has been evaluated to be the worst case among Mode 1~8, so the measurement for Mode 9~25 will follow this same test mode.	
9	EUT in Y axis_R1: 5GHz + PoE 4
10	EUT in Y axis_R1: 6GHz + PoE 4
11	EUT in Y axis_R2: 2.4GHz (Internal Ant.) + PoE 4
12	EUT in Y axis_R3: 5GHz (Boresight) + PoE 4



13	EUT in Y axis_R4: 6GHz (Narrow Beam) + PoE 4
14	EUT in Y axis_R5: 5GHz (Internal Ant. - Boresight) + PoE 4
15	EUT in Y axis_R6: Bluetooth + PoE 4
16	EUT in Y axis_R6: Zigbee + PoE 4
17	EUT in Y axis_R3: 5GHz (Steering) + PoE 4
18	EUT in Y axis_R4: 6GHz (Wide Beam) + PoE 4
19	EUT in Y axis_R5: 5GHz (Internal Ant. - Steering) + PoE 4
20	EUT in Y axis_R2: 2.4GHz (External Ant. 1) + PoE 4
21	EUT in Y axis_R2: 2.4GHz (External Ant. 5) + PoE 4
22	EUT in Y axis_R2: 2.4GHz (External Ant. 6) + PoE 4
23	EUT in Y axis_R5: 5GHz (External Ant. 1) + PoE 4
24	EUT in Y axis_R5: 5GHz (External Ant. 5) + PoE 4
25	EUT in Y axis_R5: 5GHz (External Ant. 6) + PoE 4
For operating, mode 13 is the worst case and it was recorded in this test report.	
Operating Mode > 1GHz	CTX (Cabinet)
	After evaluating, EUT in Y axis was the worst case, so the measurement will follow this same test configuration.
1	EUT in Y axis_R1: 5GHz
2	EUT in Y axis_R3: 5GHz
3	EUT in Y axis_R5: 5GHz (Internal Ant.)
4	EUT in Y axis_R5: 5GHz (External Ant.)



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Conducted measurement at transmit chains
Operating Mode > 1GHz	CTX (Harmonic & Bandedge)
1	EUT_R1: 5GHz
2	EUT_R3: 5GHz_Full RU
3	EUT_R3: 5GHz_Multi-RU
4	EUT_R3: 5GHz_Puncturing
5	EUT_R5: 5GHz (Internal Ant.)_Full RU
6	EUT_R5: 5GHz (Internal Ant.)_Multi-RU
7	EUT_R5: 5GHz (Internal Ant.)_Puncturing
8	EUT_R5: 5GHz (External Ant. 1)_Full RU
9	EUT_R5: 5GHz (External Ant. 1)_Multi-RU
10	EUT_R5: 5GHz (External Ant. 1)_Puncturing

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	R2: 2.4GHz (External Ant. 6) + R5: 5GHz (External Ant. 6)
2	R2: 2.4GHz (External Ant. 1) + R5: 5GHz (External Ant. 1)
3	R2: 2.4GHz (External Ant. 5) + R5: 5GHz (External Ant. 5)
For operating, mode 2 is the worst case and it was recorded in this test report. Refer to Appendix F for Radiated Emission Co-location.	



The Worst Case Mode for Following Conformance Tests							
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation						
Operating Mode	R1 (2.4GHz/5GHz/ 6GHz)	R2 (2.4GHz)	R3 (5GHz UNII 1~3/ 5GHz UNII 2C~3)	R4 (6GHz)	R5 (5GHz)	R6 (BT/ Zigbee)	R8 (UWB)
1	2.4GHz	Internal Ant.	Full band: UNII 1~3 (Boresight)	Narrow Beam	N/A	BT	✓
2	5GHz						
3	6GHz						
4	2.4GHz					Zigbee	
5	5GHz						
6	6GHz						
7	2.4GHz		High band: UNII 2C~3 (Steering)	Wide Beam	Internal Ant. (Steering)	BT	
8	5GHz						
9	6GHz						
10	2.4GHz					Zigbee	
11	5GHz						
12	6GHz						
13	2.4GHz	External Ant.	High band: UNII 2C~3 (Boresight)	Narrow Beam	External Ant.	BT	
14	5GHz						
15	6GHz						
16	2.4GHz					Zigbee	
17	5GHz						
18	6GHz						
19	2.4GHz	Internal Ant.			Internal Ant. (Boresight)	BT	
20	5GHz						
21	6GHz						
22	2.4GHz					Zigbee	
23	5GHz						
24	6GHz						
Refer to Sporton Test Report No.: FA4N2714-02 for Co-location RF Exposure Evaluation.							

Refer to Sporton Test Report No.: FA4N2714-02 for Co-location RF Exposure Evaluation.

Note: The PoEs were for measurement only and would not be marketed. Their information is shown as below:

Equipment	Brand	Model Name
PoE 1	Microsemi	PD-9001GR/AT/AC
PoE 2	PHIHONG	POE29U-1AT(PL)
PoE 3	DELTA	ADH-65AR B
PoE 4	PHIHONG	POEA33U-1ATE
PoE 5	PHIHONG	POE60U-1BT-X



Equipment	Brand	Model Name
PoE 6	PHIHONG	POE60U-BTA(X66M-R)
PoE 7	PHIHONG	POE60U-BTA(X664-R)
PoE 8	DELTA	ADH-65AR P

2.3 EUT Operation during Test

For CTX Mode:

For Conducted Mode:

Non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

Beamforming mode:

During the test, the following programs under WIN 10 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS.
3. Executed "DOS[10.0.19045.4780]" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Radiated Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:

During the test, the EUT operation to normal function.

2.4 Accessories

Bracket*1 (Optional)

IO Bazel*1



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 4 (1)	PHIHONG	POEA33U-1ATE	N/A
B	2.4G NB	DELL	E6400	N/A
C	5G NB	DELL	E6400	N/A
D	6G module	MTK	MT7927	N/A
E	6G NB	DELL	E6400	N/A
F	GPS Simulator	WELNAVIGATE	GS-100	N/A
G	LAN1 PC	ASUS	S300TA	TX2-RTL8821CE
H	PoE 4 (2)	PHIHONG	POEA33U-1ATE	N/A
I	LAN0 PC	ASUS	S300TA	TX2-RTL8821CE
J	Smart phone	REDMI	M1810F6LH	2AFZZ-RMSF6LG
K	UWB Device	CISCO	DB10	N/A

For Radiated (Others) and RF Conducted (Non-beamforming mode):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 4	PHIHONG	POEA33U-1ATE	N/A

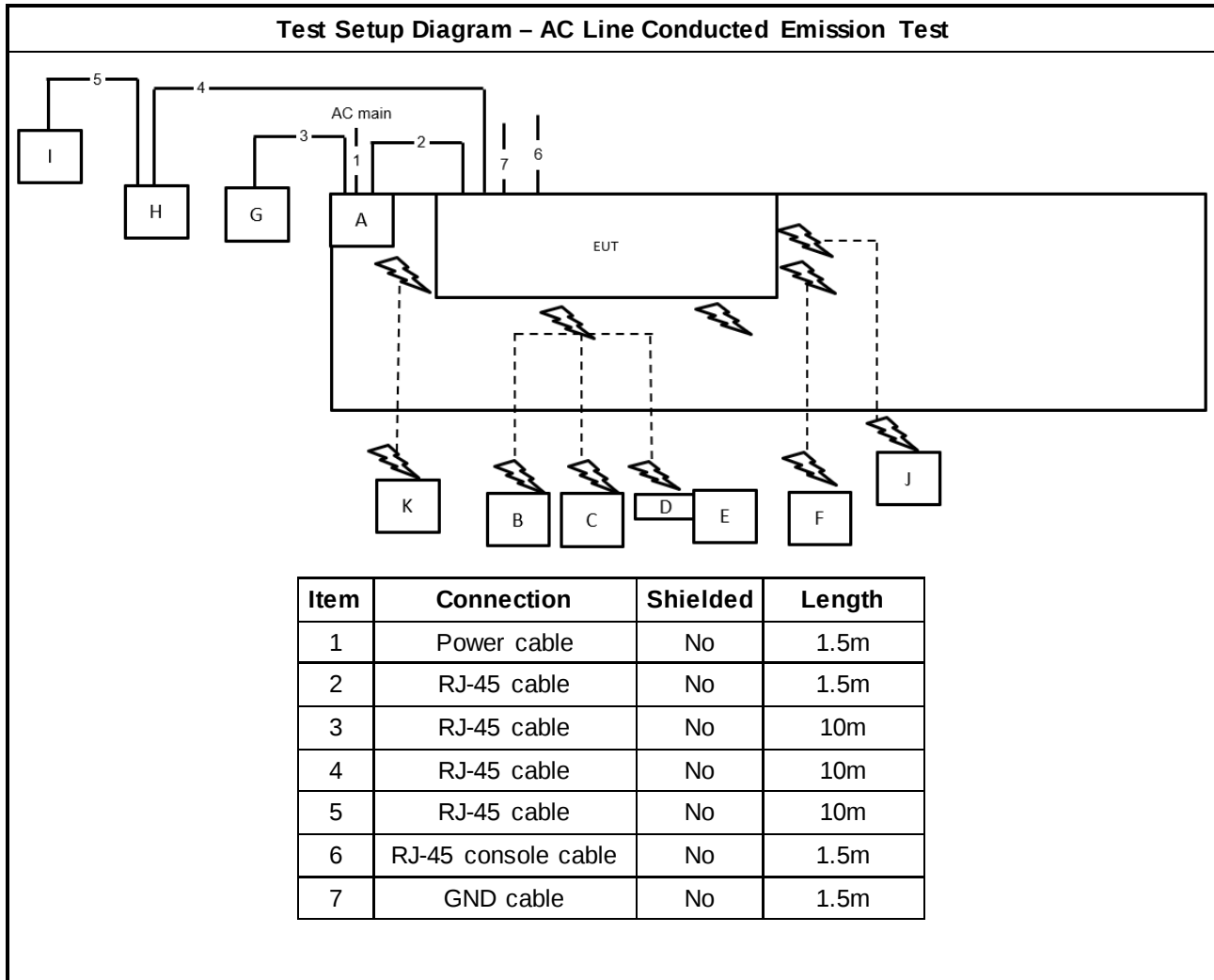
For Radiated (Co-location):

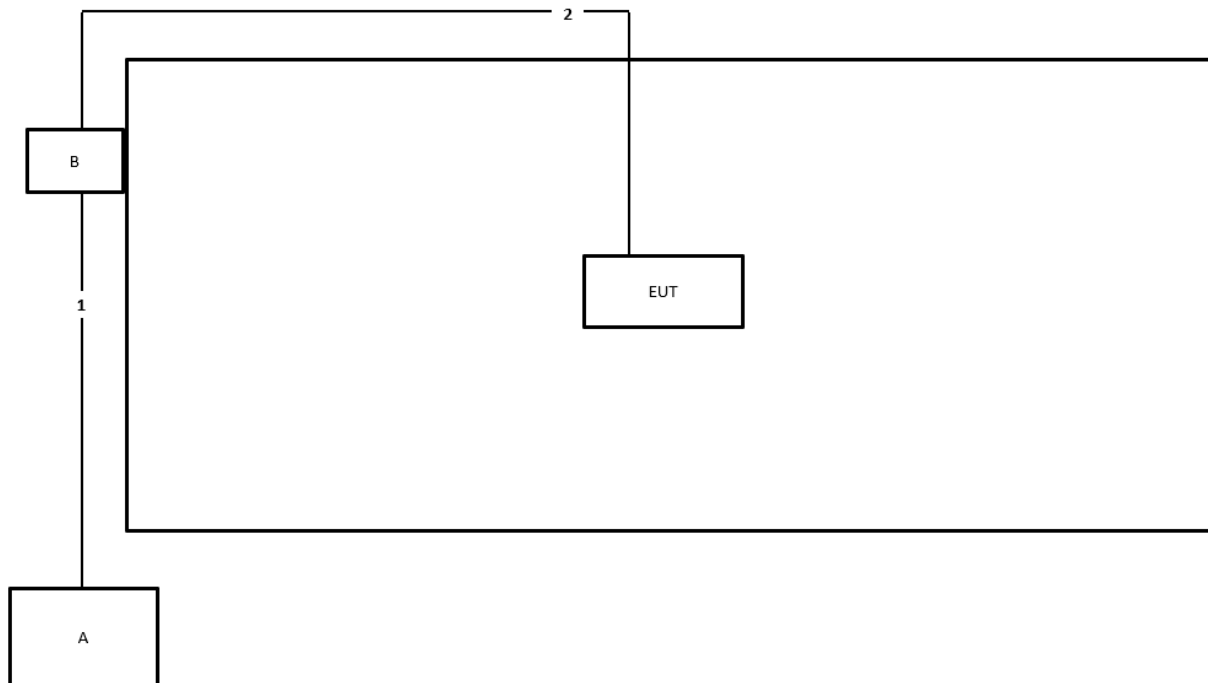
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 4	PHIHONG	POEA33U-1ATE	N/A
C	NB	DELL	E4300	N/A
D	PoE	CISCO	MA-INJ-5	N/A
E	Client	CISCO	Alpine	N/A

**For RF Conducted (Beamforming mode):**

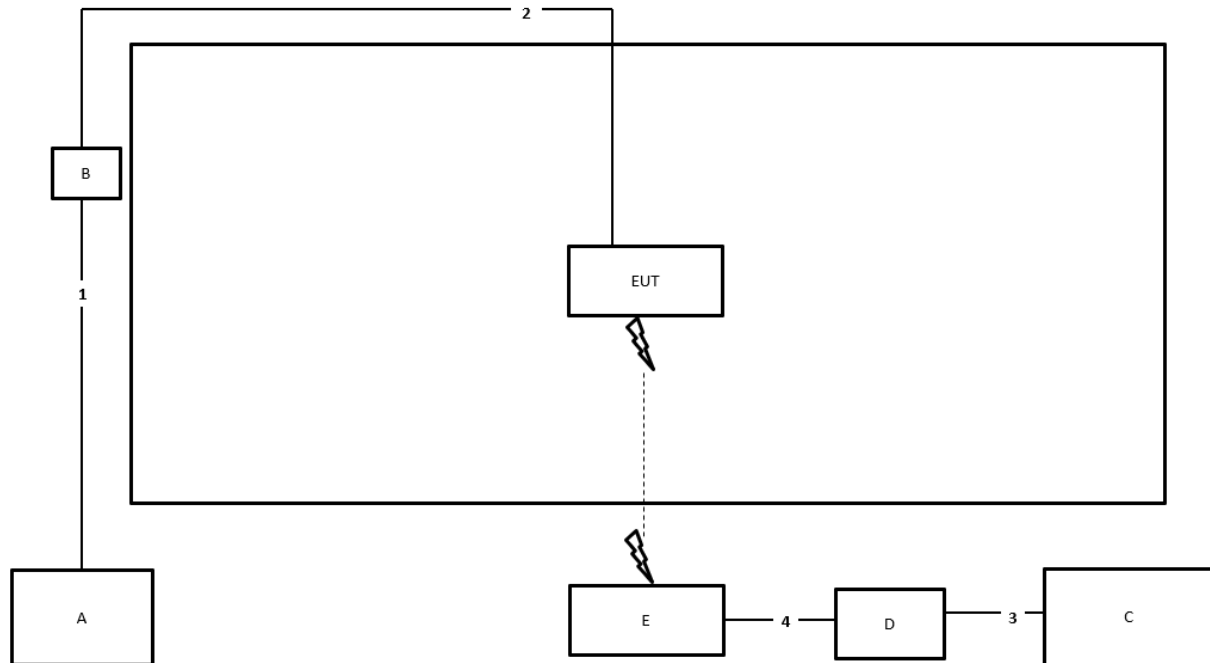
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 4	PHIHONG	POEA33U-1ATE	N/A
C	NB	DELL	E4300	N/A
D	Client	CISCO	Alpine	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test (Others)


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

Test Setup Diagram - Radiated Test (Co-location)


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

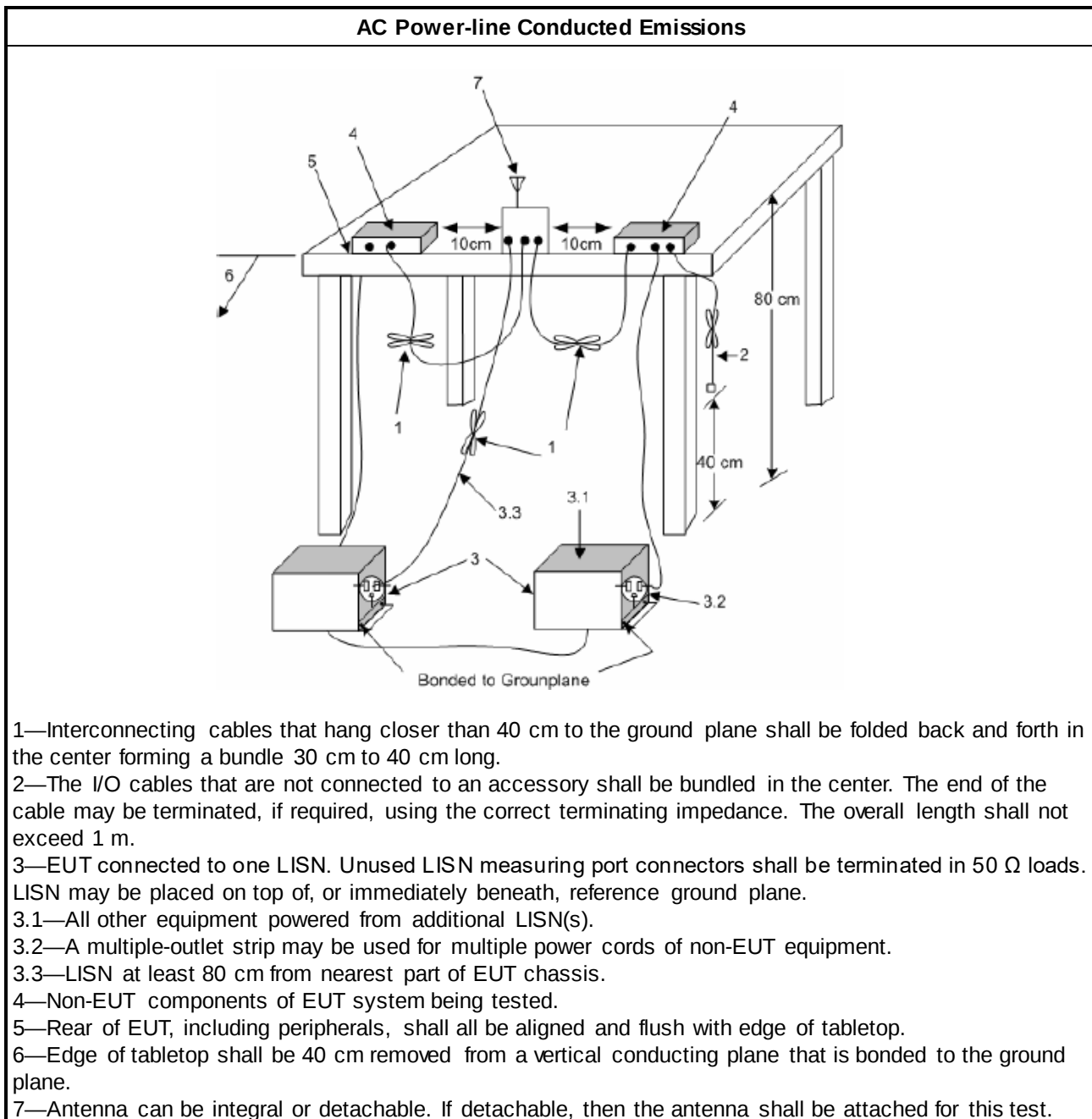
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

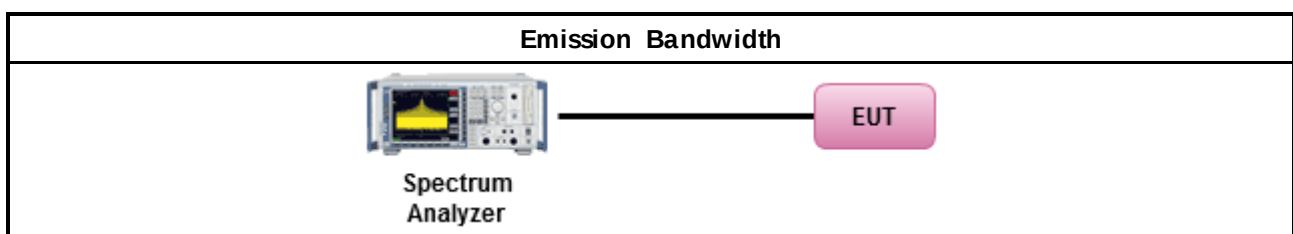
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
☐ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☐ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☐ For the 5.725-5.85 GHz band:	
☐	The maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band:	
☐	For other devices: The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
☐	For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.	
☐ For the 5.725-5.85 GHz band:	
☐	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

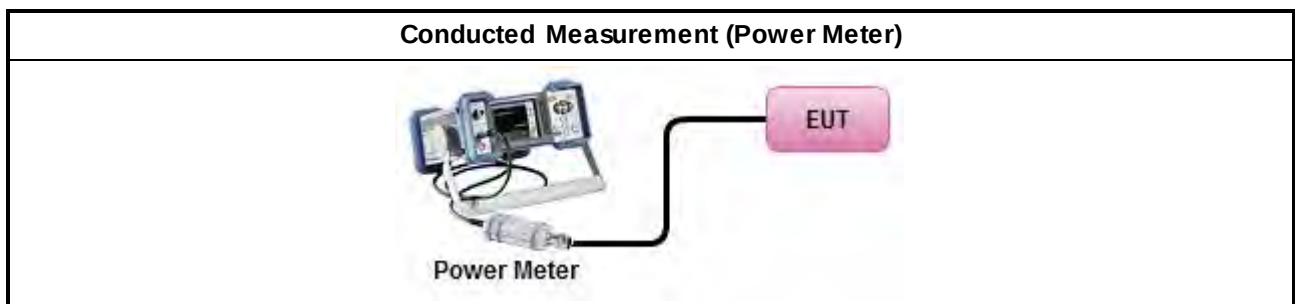
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

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

3.3.4 Test Setup



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
☐	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
☐	For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐	For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☐ For the 5.725-5.85 GHz band:	
☐	The peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 ($\theta - 8$) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 ($\theta - 40$) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.6 GHz band and 5.65-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
☐ For the 5.725-5.85 GHz band:	
☐	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
☐	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.4.2 Measuring Instruments

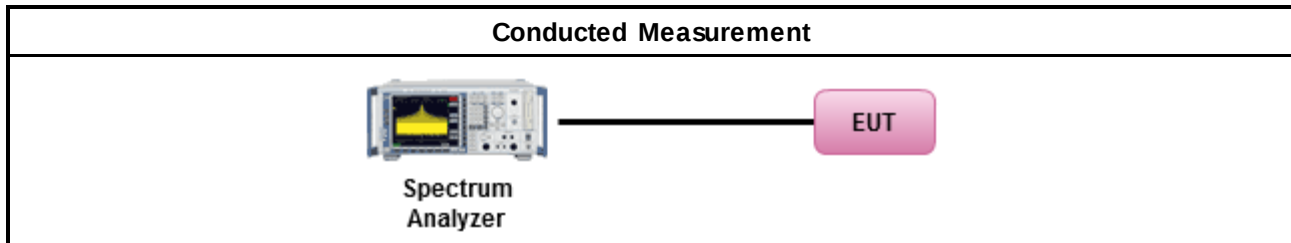
Refer a test equipment and calibration data table in this test report.

**3.4.3 Test Procedures**

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

☐	For radiated measurement.
☐	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
☐	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
☐	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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



Un-restricted band emissions above 1GHz Limit		
Operating Band		Limit
☒	5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐	5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐	5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☐	5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).		

3.5.2 Measuring Instruments

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



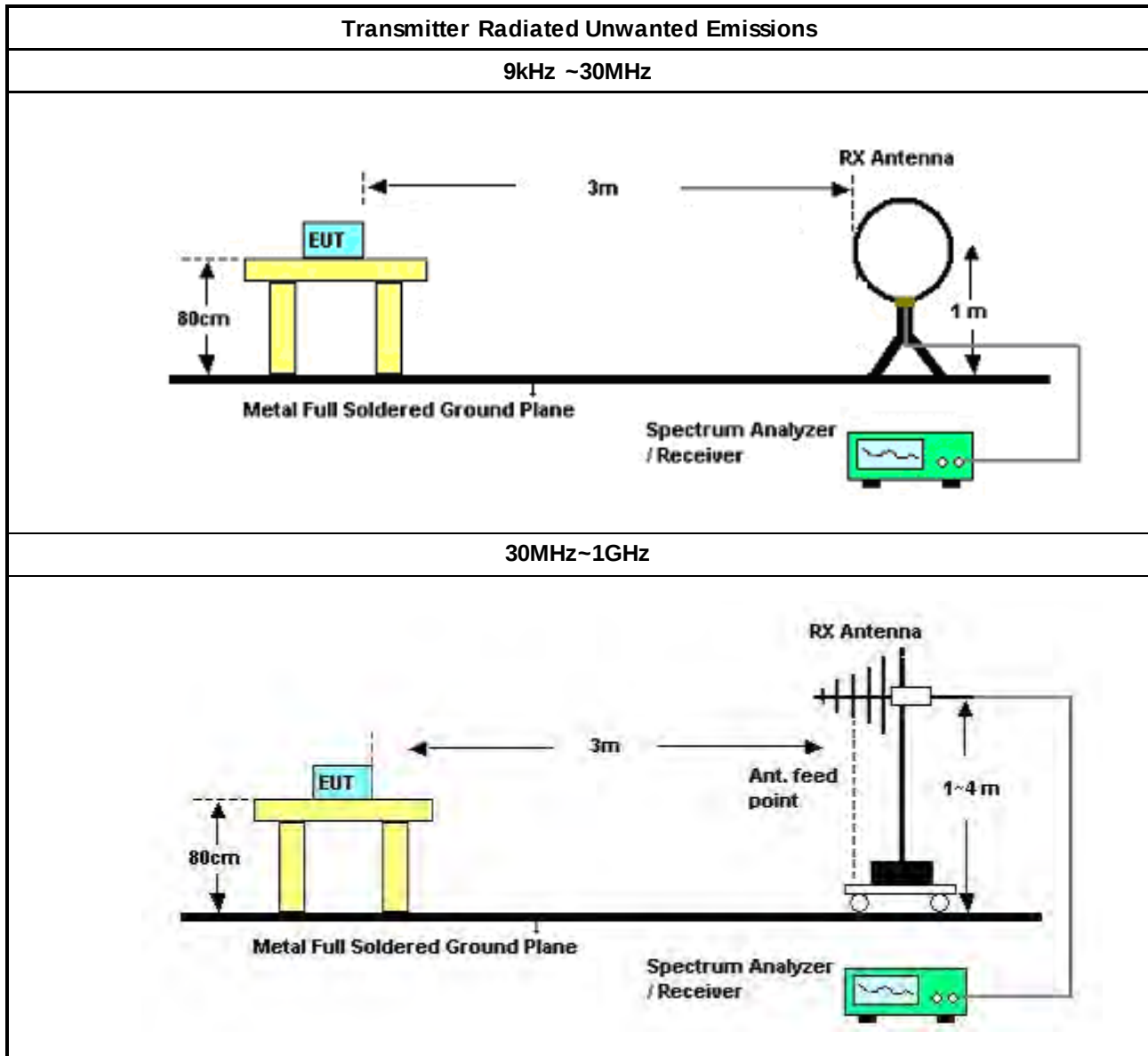
3.5.3 Test Procedures

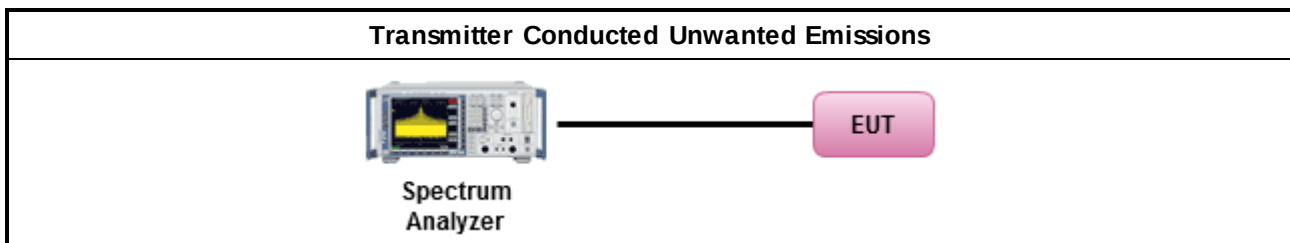
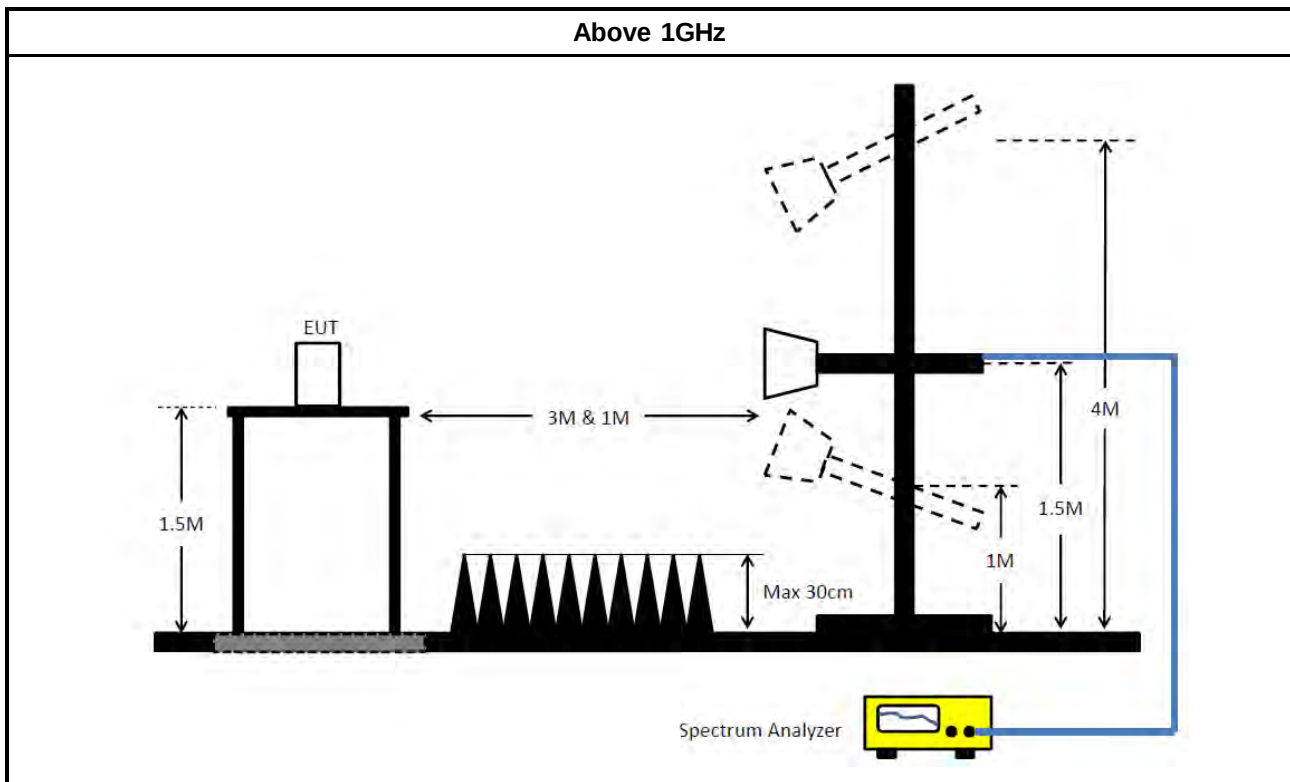
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	



Test Method	
▪ For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3).	
	▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schw arzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schw arzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 24, 2024	Apr. 23, 2025	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	02	0.15MHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Pulse Limiter	Schw arzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 16, 2024	Oct. 15, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 01, 2024	Jul. 31, 2025	Radiation (03CH05-CB)
Bilog Antenna w ith 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 23, 2024	Mar. 22, 2025	Radiation (03CH05-CB)
Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 02, 2024	May 01, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 17, 2024	Apr. 16, 2025	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Apr. 21, 2025	Apr. 20, 2026	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 21, 2024	Oct. 20, 2025	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH05-CB	1GHz ~18GHz 3m	Sep. 28, 2024	Sep. 27, 2025	Radiation (03CH05-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120 D-1291	1GHz~18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH05-CB)
Horn Antenna	Schw arzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC12630SE	980287	1GHz – 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
RF Cable-high	Woken	RG402	High Cable-04+28	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schw arzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 11, 2024	Jun. 10, 2025	Conducted (TH03-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable	Woken	RG402	High Cable-12	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15407 _NII	V5.11. 23	5.15GHz- 7.115GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



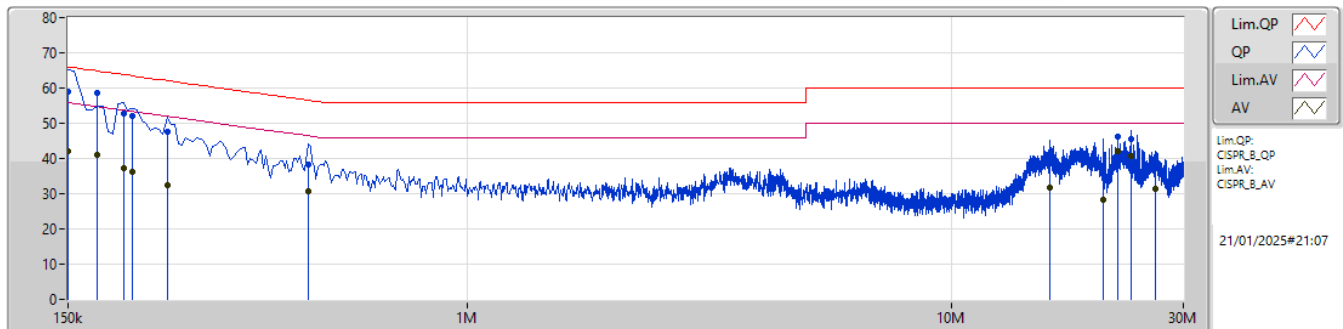
Conducted Emissions at Powerline

Appendix A

Summary

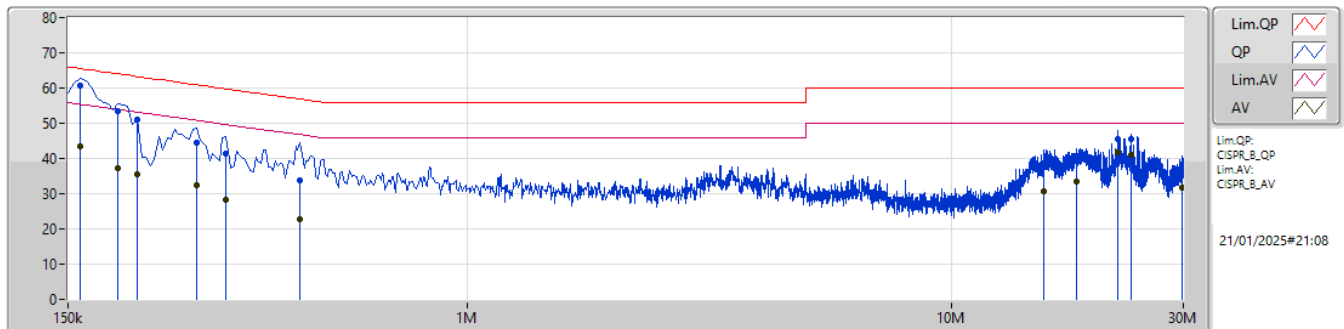
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 5	Pass	QP	159k	60.69	65.52	-4.83	Neutral

Mode 5



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	58.86	66.00	-7.14	10.15	Line	-	48.71	0.05	0.08	10.02						
AV	150k	41.91	56.00	-14.09	10.15	Line	-	31.76	0.05	0.08	10.02						
QP	172.5k	58.48	64.83	-6.35	10.14	Line	"Worst"	48.34	0.05	0.07	10.02						
AV	172.5k	40.98	54.83	-13.85	10.14	Line	-	30.84	0.05	0.07	10.02						
QP	195k	52.89	63.82	-10.93	10.14	Line	-	42.75	0.05	0.07	10.02						
AV	195k	37.14	53.82	-16.68	10.14	Line	-	27.00	0.05	0.07	10.02						
QP	204k	52.00	63.44	-11.44	10.14	Line	-	41.86	0.05	0.07	10.02						
AV	204k	36.16	53.44	-17.28	10.14	Line	-	26.02	0.05	0.07	10.02						
QP	240k	47.42	62.10	-14.68	10.15	Line	-	37.27	0.05	0.08	10.02						
AV	240k	32.51	52.10	-19.59	10.15	Line	-	22.36	0.05	0.08	10.02						
QP	469.5k	38.21	56.52	-18.31	10.18	Line	-	28.03	0.05	0.10	10.03						
AV	469.5k	30.68	46.52	-15.84	10.18	Line	-	20.50	0.05	0.10	10.03						
QP	15.909M	38.70	60.00	-21.30	10.61	Line	-	28.09	0.34	0.24	10.03						
AV	15.909M	31.76	50.00	-18.24	10.61	Line	-	21.15	0.34	0.24	10.03						
QP	20.477M	35.60	60.00	-24.40	10.74	Line	-	24.86	0.40	0.33	10.01						
AV	20.477M	28.43	50.00	-21.57	10.74	Line	-	17.69	0.40	0.33	10.01						
QP	21.957M	46.04	60.00	-13.96	10.78	Line	-	35.26	0.44	0.32	10.02						
AV	21.957M	42.01	50.00	-7.99	10.78	Line	-	31.23	0.44	0.32	10.02						
QP	23.451M	45.59	60.00	-14.41	10.81	Line	-	34.78	0.47	0.32	10.02						
AV	23.451M	40.67	50.00	-9.33	10.81	Line	-	29.86	0.47	0.32	10.02						
QP	26.21M	37.46	60.00	-22.54	10.90	Line	-	26.56	0.53	0.32	10.05						
AV	26.21M	31.34	50.00	-18.66	10.90	Line	-	20.44	0.53	0.32	10.05						

Mode 5



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	60.69	65.52	-4.83	10.15	Neutral	"Worst"	50.54	0.05	0.08	10.02						
AV	159k	43.58	55.52	-11.94	10.15	Neutral	-	33.43	0.05	0.08	10.02						
QP	190.5k	53.52	64.01	-10.49	10.14	Neutral	-	43.38	0.05	0.07	10.02						
AV	190.5k	37.15	54.01	-16.86	10.14	Neutral	-	27.01	0.05	0.07	10.02						
QP	208.5k	51.08	63.27	-12.19	10.14	Neutral	-	40.94	0.05	0.07	10.02						
AV	208.5k	35.52	53.27	-17.75	10.14	Neutral	-	25.38	0.05	0.07	10.02						
QP	276k	44.53	60.93	-16.40	10.15	Neutral	-	34.38	0.05	0.08	10.02						
AV	276k	32.51	50.93	-18.42	10.15	Neutral	-	22.36	0.05	0.08	10.02						
QP	316.5k	41.25	59.80	-18.55	10.17	Neutral	-	31.08	0.05	0.09	10.03						
AV	316.5k	28.36	49.80	-21.44	10.17	Neutral	-	18.19	0.05	0.09	10.03						
QP	451.5k	33.75	56.84	-23.09	10.18	Neutral	-	23.57	0.05	0.10	10.03						
AV	451.5k	22.83	46.84	-24.01	10.18	Neutral	-	12.65	0.05	0.10	10.03						
QP	15.486M	37.42	60.00	-22.58	10.50	Neutral	-	26.92	0.24	0.23	10.03						
AV	15.486M	30.54	50.00	-19.46	10.50	Neutral	-	20.04	0.24	0.23	10.03						
QP	18.083M	39.80	60.00	-20.20	10.56	Neutral	-	29.24	0.25	0.29	10.02						
AV	18.083M	33.57	50.00	-16.43	10.56	Neutral	-	23.01	0.25	0.29	10.02						
QP	21.957M	45.68	60.00	-14.32	10.62	Neutral	-	35.06	0.28	0.32	10.02						
AV	21.957M	41.81	50.00	-8.19	10.62	Neutral	-	31.19	0.28	0.32	10.02						
QP	23.451M	45.66	60.00	-14.34	10.63	Neutral	-	35.03	0.29	0.32	10.02						
AV	23.451M	41.15	50.00	-8.85	10.63	Neutral	-	30.52	0.29	0.32	10.02						
QP	29.846M	37.75	60.00	-22.25	10.76	Neutral	-	26.99	0.33	0.33	10.10						
AV	29.846M	31.61	50.00	-18.39	10.76	Neutral	-	20.85	0.33	0.33	10.10						

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	34.43M	20.618M	20M6D1D	18.59M	16.449M
802.11ax HEW20_Nss1,(MCS0)_1TX	38.5M	19.315M	19M3D1D	20.35M	18.834M
802.11ax HEW40_Nss1,(MCS0)_1TX	45.65M	37.97M	38M0D1D	38.94M	37.772M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.62M	76.933M	76M9D1D	81.62M	76.933M

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

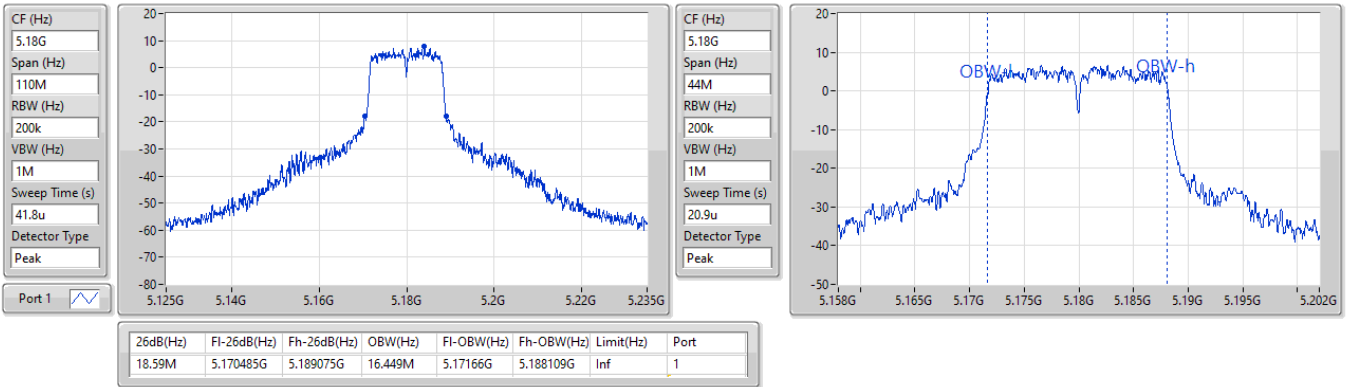
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	18.59M	16.449M
5200MHz	Pass	Inf	34.43M	20.618M
5240MHz	Pass	Inf	33.88M	19.623M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.35M	18.834M
5200MHz	Pass	Inf	29.48M	19.065M
5240MHz	Pass	Inf	38.5M	19.315M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	38.94M	37.772M
5230MHz	Pass	Inf	45.65M	37.97M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.62M	76.933M

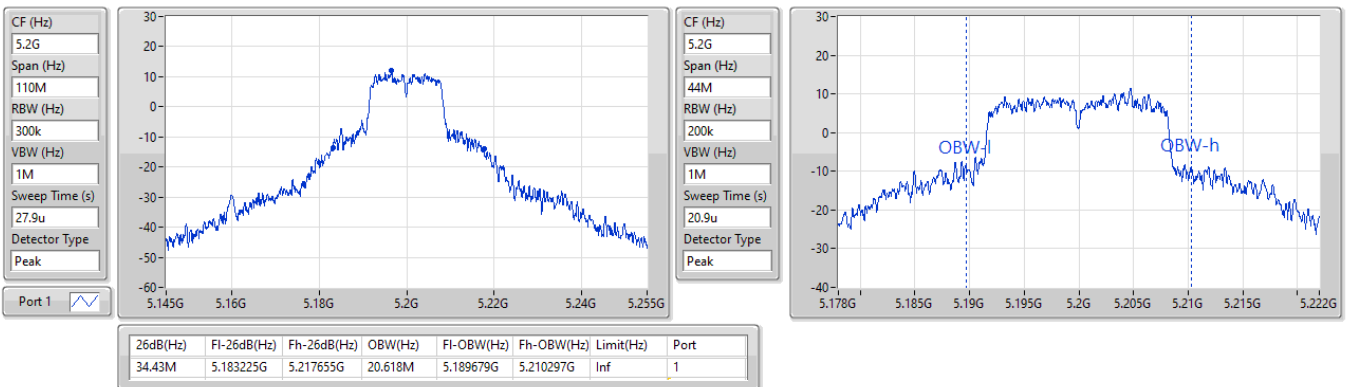
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

21/12/2024

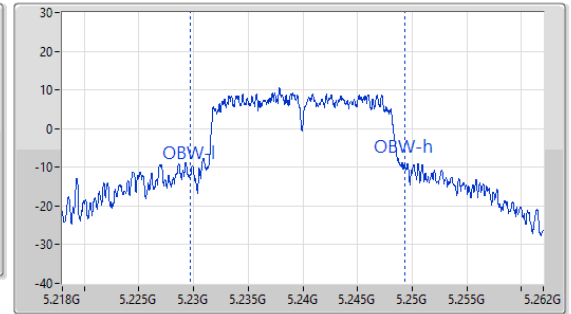
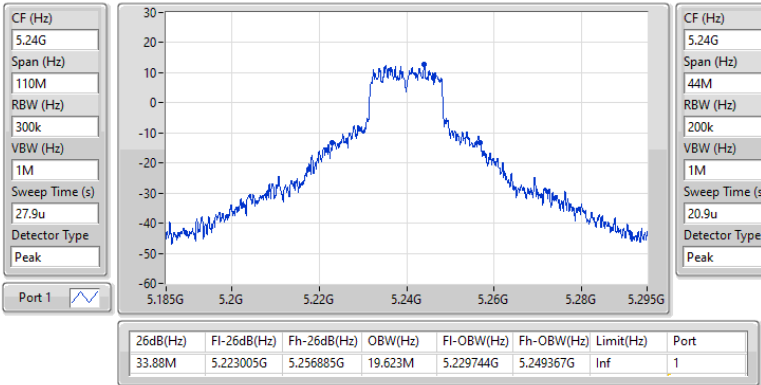

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

21/12/2024

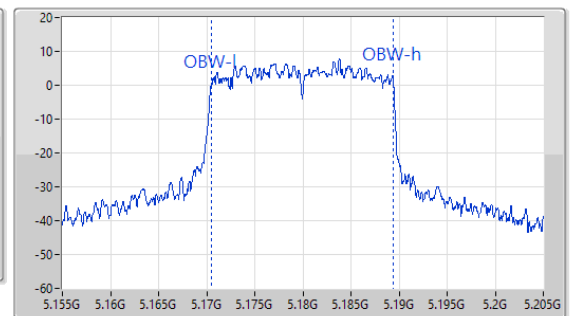
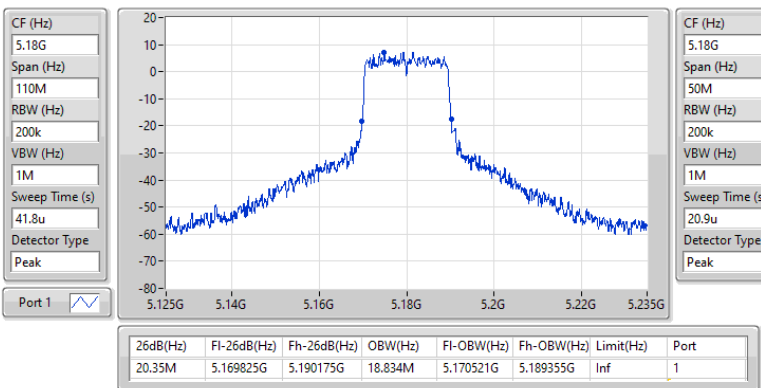


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

21/12/2024

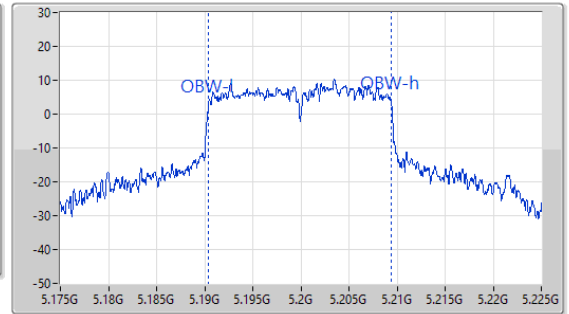
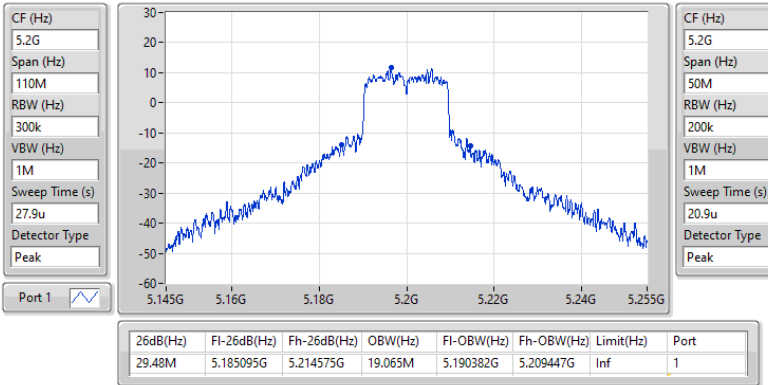

5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5180MHz

21/12/2024

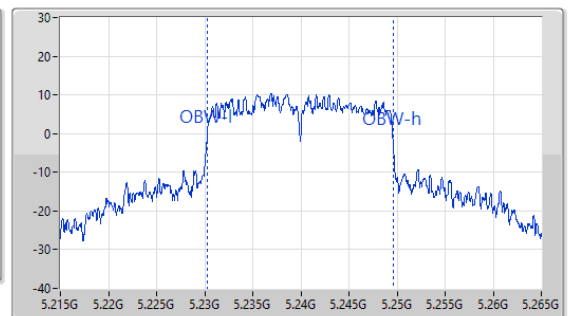
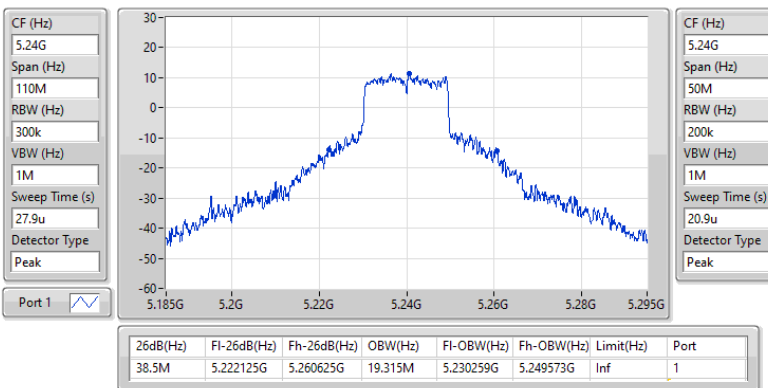


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX
EBW
5200MHz

21/12/2024


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

21/12/2024

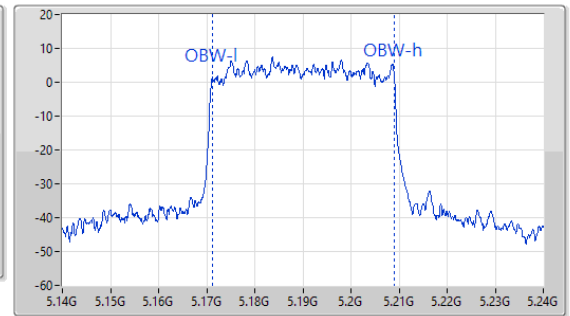
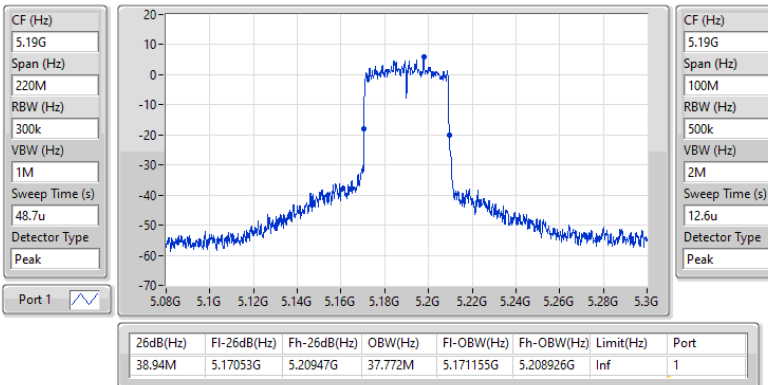


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5190MHz

21/12/2024

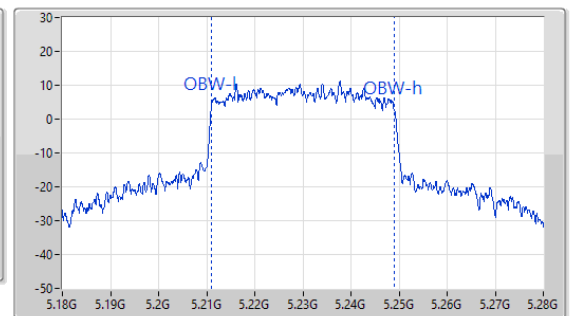
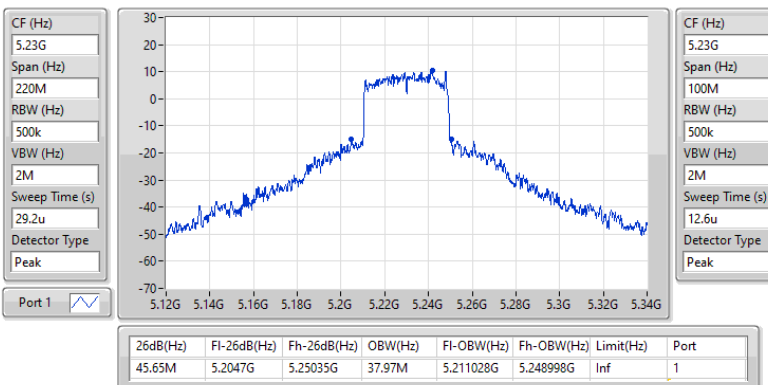


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5230MHz

21/12/2024

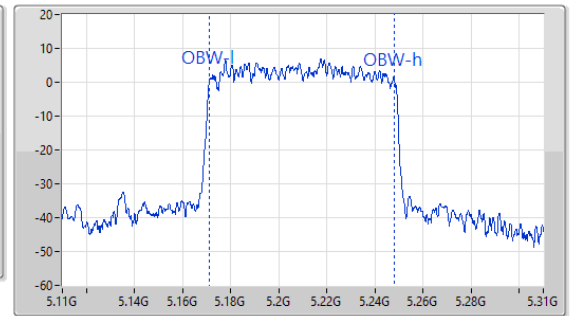
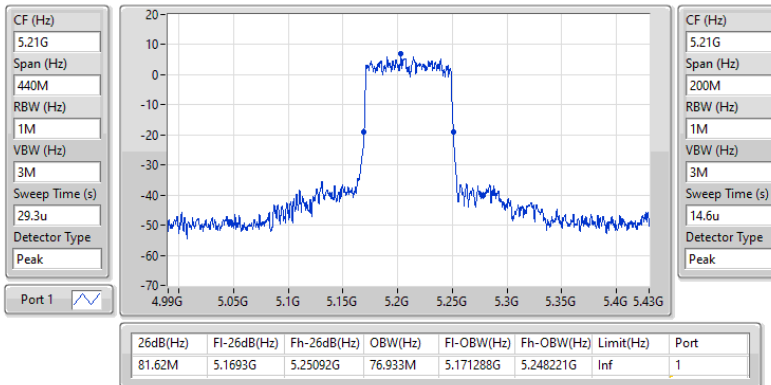


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_1TX

EBW

5210MHz

21/12/2024



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	22.055M	16.689M	16M7D1D	21.67M	16.596M
802.11a_Nss1,(6Mbps)_2TX	22.22M	16.767M	16M8D1D	21.45M	16.644M
802.11a_Nss1,(6Mbps)_4TX	22.44M	16.851M	16M9D1D	21.175M	16.539M
802.11be EHT20_Nss1,(MCS0)_1TX	22.055M	19.187M	19M2D1D	21.23M	19.1M
802.11be EHT20_Nss1,(MCS0)_2TX	22.605M	19.042M	19M0D1D	21.395M	18.979M
802.11be EHT20_Nss1,(MCS0)_4TX	22.715M	19.246M	19M2D1D	20.845M	18.997M
802.11be EHT40_Nss1,(MCS0)_1TX	43.56M	38.078M	38M1D1D	41.25M	37.919M
802.11be EHT40_Nss1,(MCS0)_2TX	43.23M	37.993M	38M0D1D	41.47M	37.939M
802.11be EHT40_Nss1,(MCS0)_4TX	43.45M	38.109M	38M1D1D	40.81M	37.847M
802.11be EHT80_Nss1,(MCS0)_1TX	85.8M	77.354M	77M4D1D	85.8M	77.354M
802.11be EHT80_Nss1,(MCS0)_2TX	83.82M	77.444M	77M4D1D	81.18M	77.376M
802.11be EHT80_Nss1,(MCS0)_4TX	86.68M	77.624M	77M6D1D	80.3M	77.307M

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

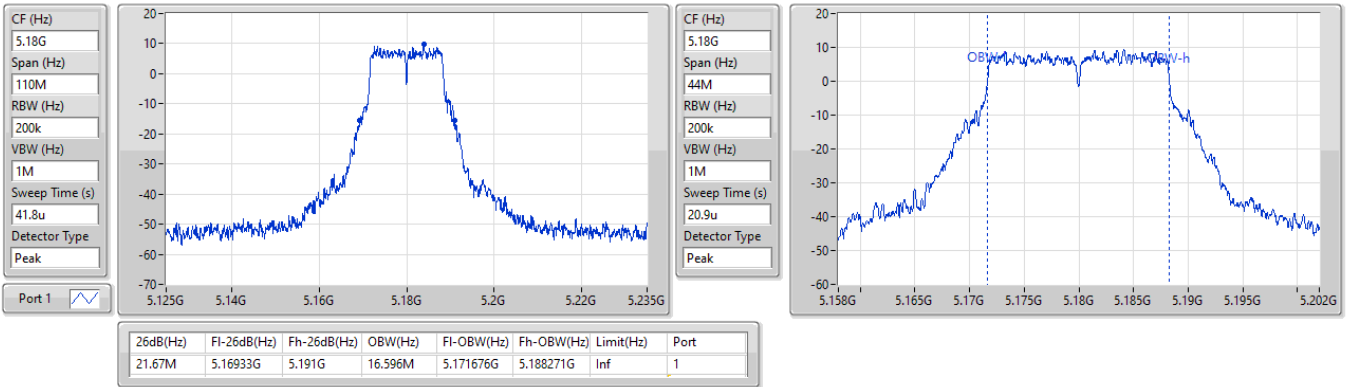
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.67M	16.596M						
5200MHz	Pass	Inf	22.055M	16.689M						
5240MHz	Pass	Inf	21.89M	16.62M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.56M	19.187M						
5200MHz	Pass	Inf	22.055M	19.1M						
5240MHz	Pass	Inf	21.23M	19.114M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.56M	38.078M						
5230MHz	Pass	Inf	41.25M	37.919M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.8M	77.354M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	16.672M	21.615M	16.767M				
5200MHz	Pass	Inf	21.67M	16.694M	21.615M	16.672M				
5240MHz	Pass	Inf	22.165M	16.65M	22.22M	16.644M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.395M	19.021M	22.605M	19.042M				
5200MHz	Pass	Inf	21.89M	19.006M	22.055M	19.037M				
5240MHz	Pass	Inf	21.67M	19.007M	22.55M	18.979M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.47M	37.939M	43.23M	37.979M				
5230MHz	Pass	Inf	42.35M	37.993M	43.12M	37.949M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.18M	77.444M	83.82M	77.376M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.44M	16.624M	21.45M	16.851M	21.835M	16.632M	21.285M	16.61M
5200MHz	Pass	Inf	21.56M	16.584M	21.175M	16.739M	21.615M	16.64M	21.835M	16.583M
5240MHz	Pass	Inf	21.395M	16.806M	21.175M	16.638M	21.56M	16.681M	21.835M	16.539M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.89M	19.026M	21.065M	19.027M	20.845M	19.15M	21.67M	19.022M
5200MHz	Pass	Inf	21.34M	19.03M	21.34M	19.246M	22M	19.16M	22.715M	19.015M
5240MHz	Pass	Inf	21.56M	18.997M	21.78M	19.05M	21.45M	19.131M	21.175M	19.174M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.81M	37.909M	41.58M	37.93M	43.45M	37.847M	42.24M	37.871M
5230MHz	Pass	Inf	40.81M	38.013M	41.91M	38.075M	41.36M	38.025M	41.8M	38.109M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	86.68M	77.466M	80.3M	77.307M	81.18M	77.563M	86.02M	77.624M

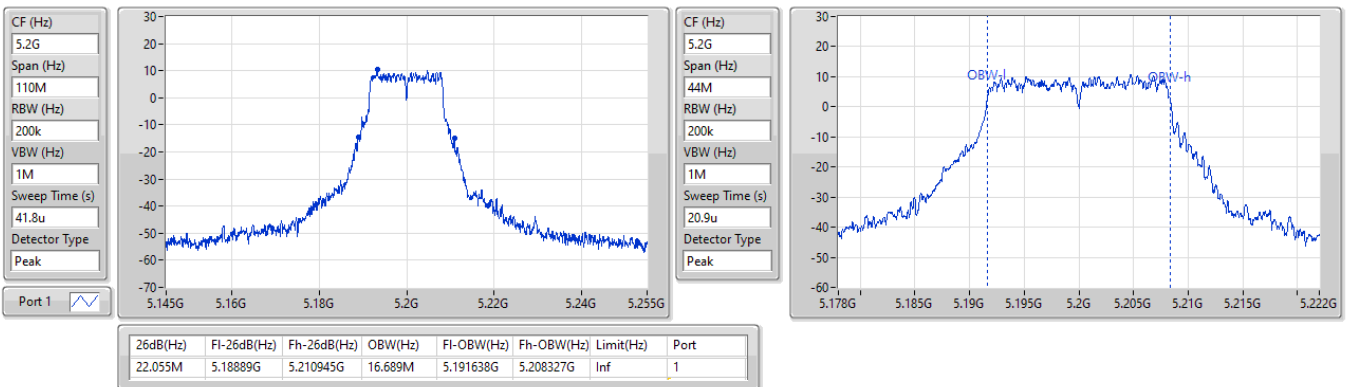
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

18/12/2024

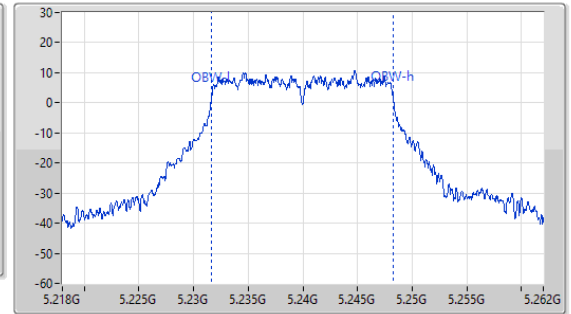
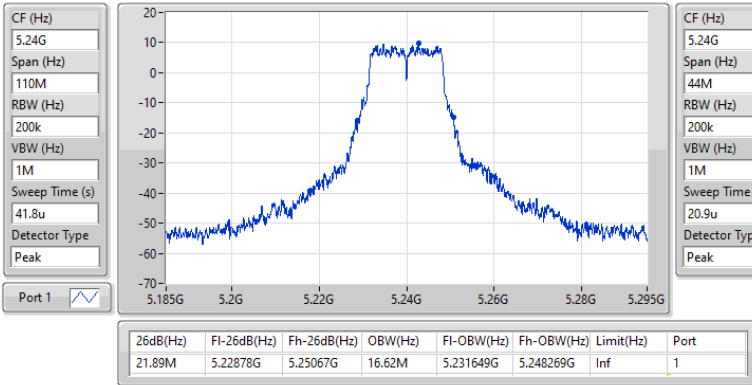

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

27/12/2024

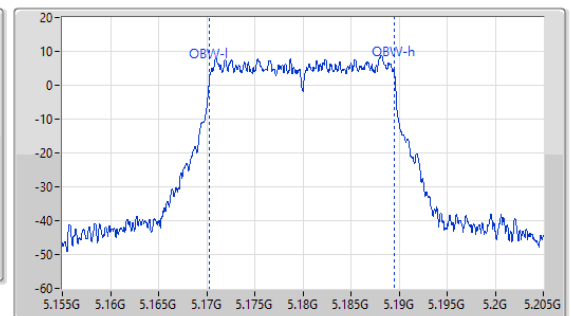
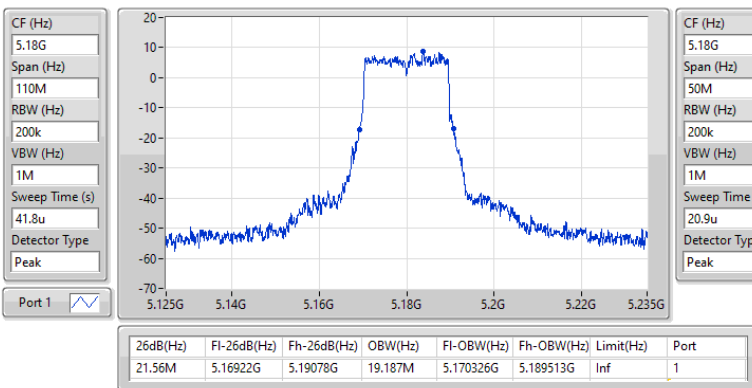


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

27/12/2024

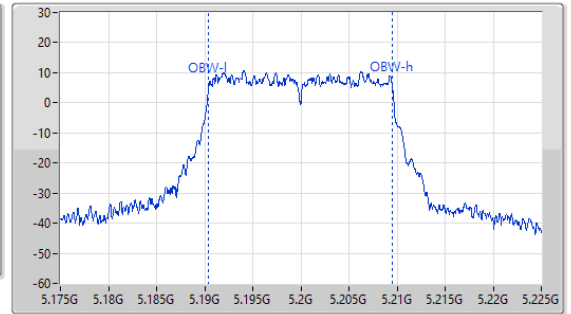
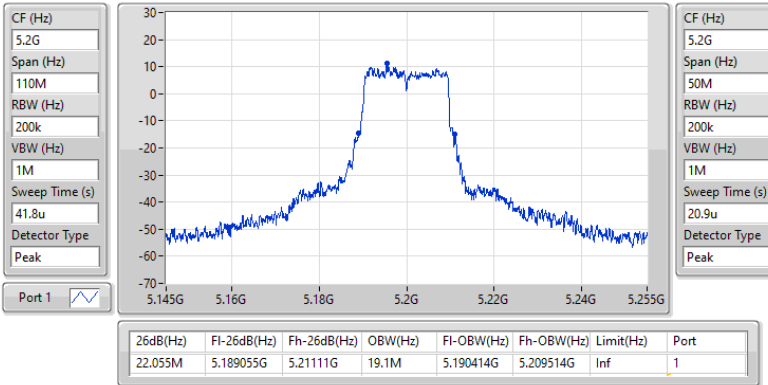

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

18/12/2024

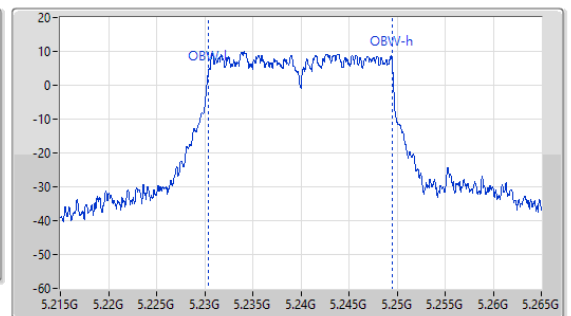
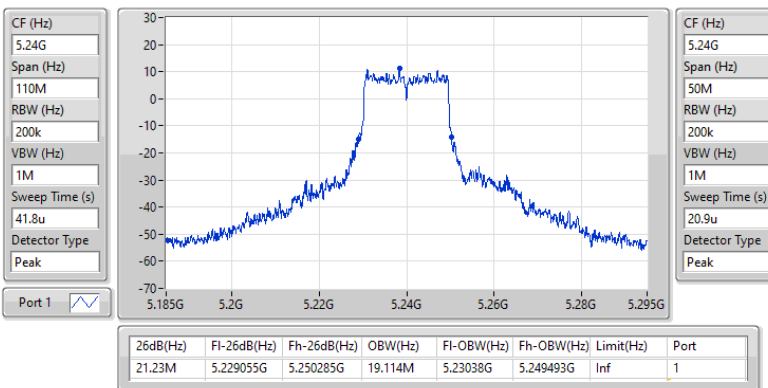


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

27/12/2024

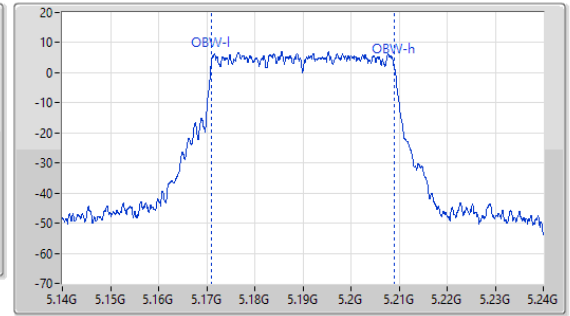
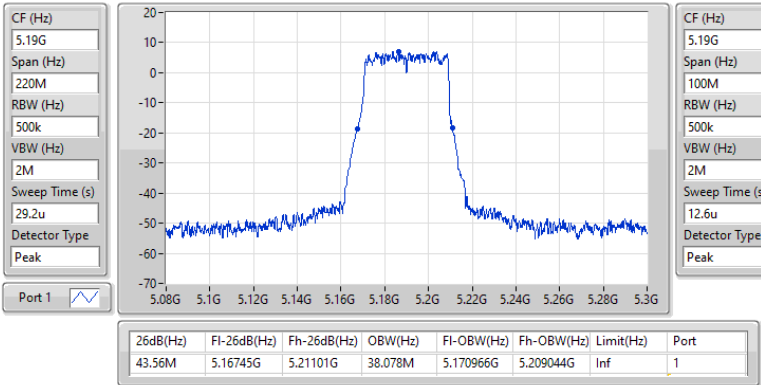

5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

27/12/2024

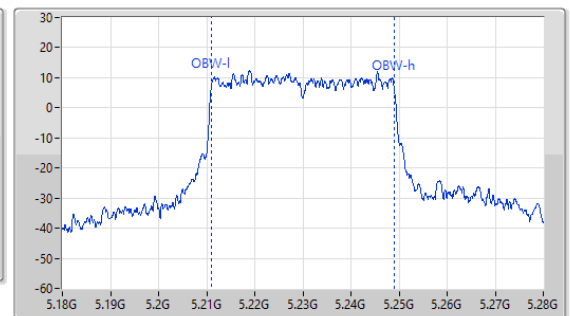
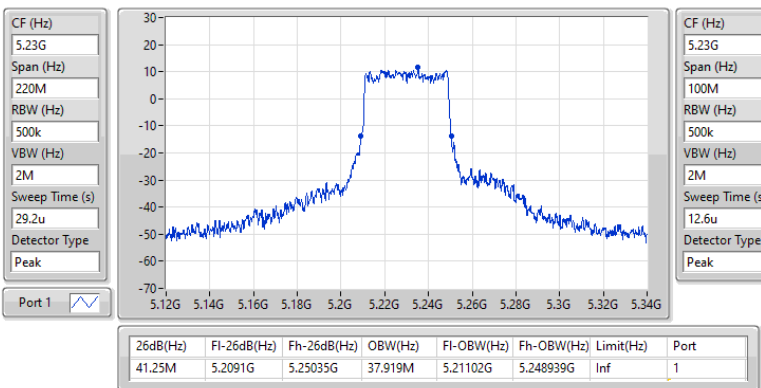


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

27/12/2024

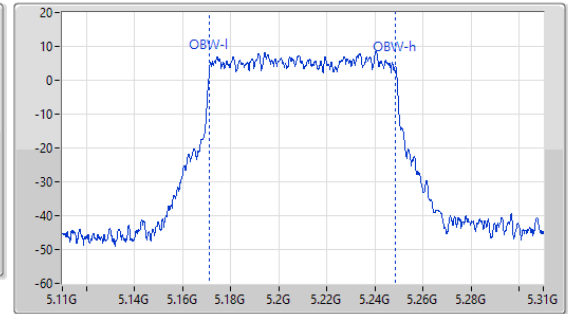
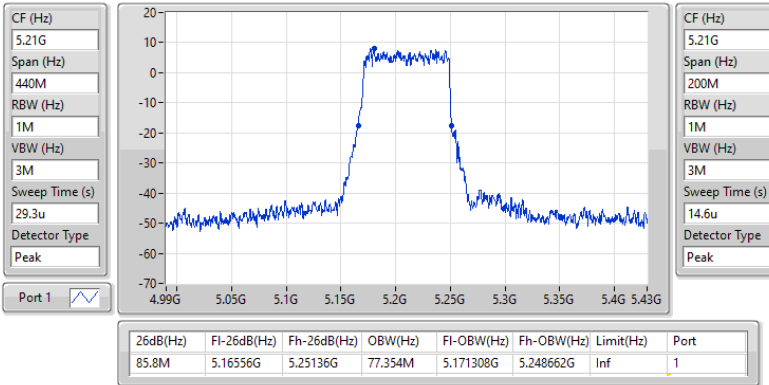

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

27/12/2024

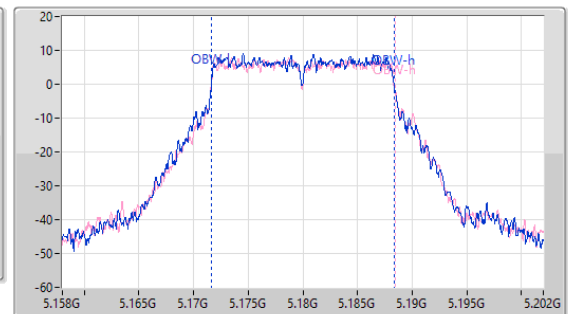
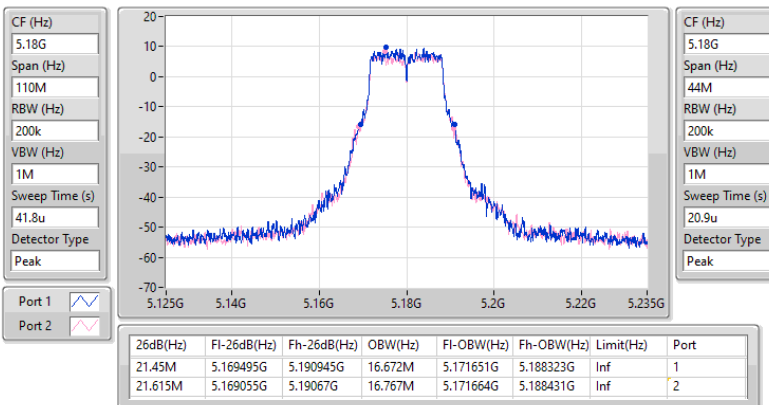


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

18/12/2024

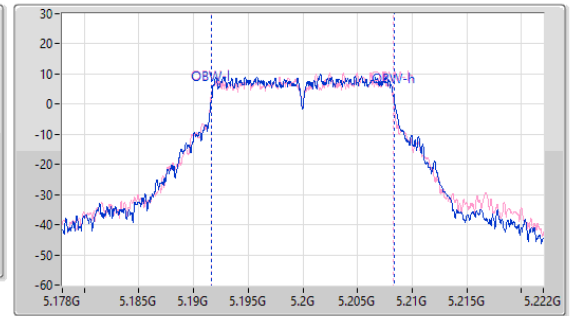
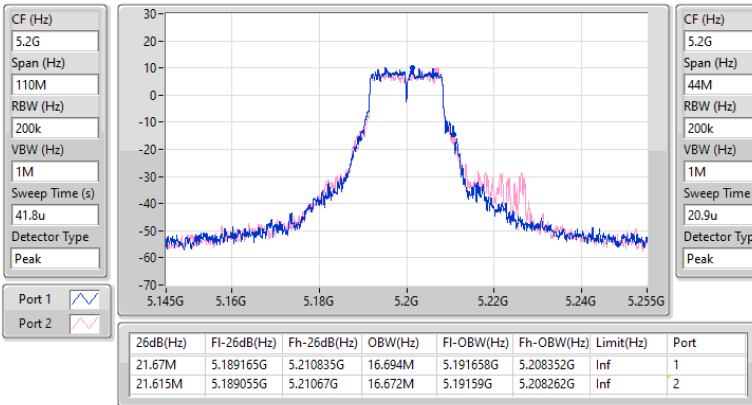

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

27/12/2024

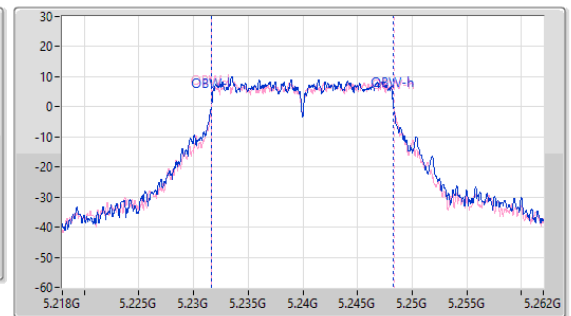
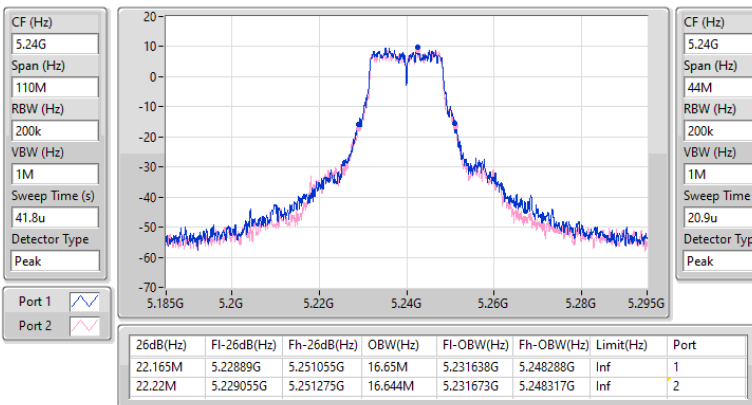


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

27/12/2024


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

27/12/2024

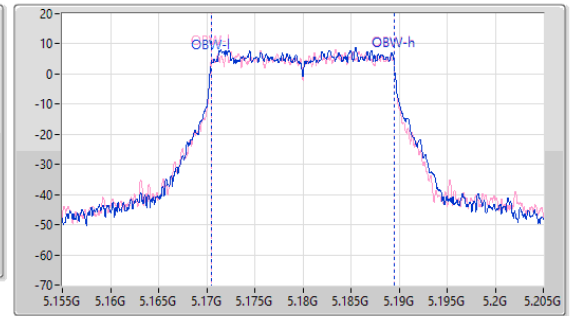
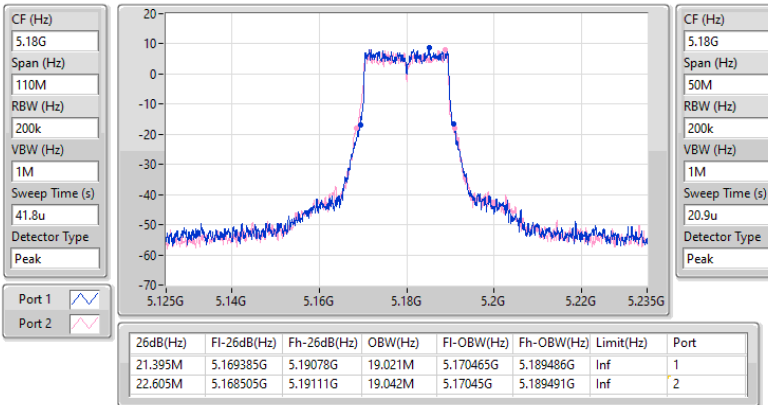


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

27/12/2024

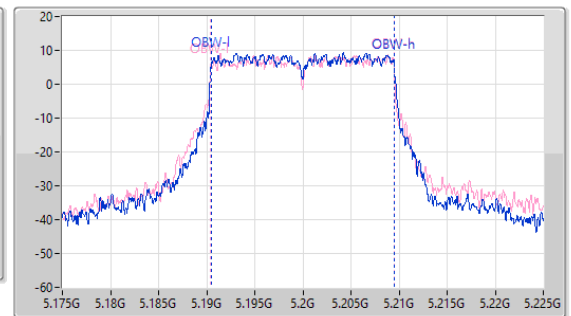
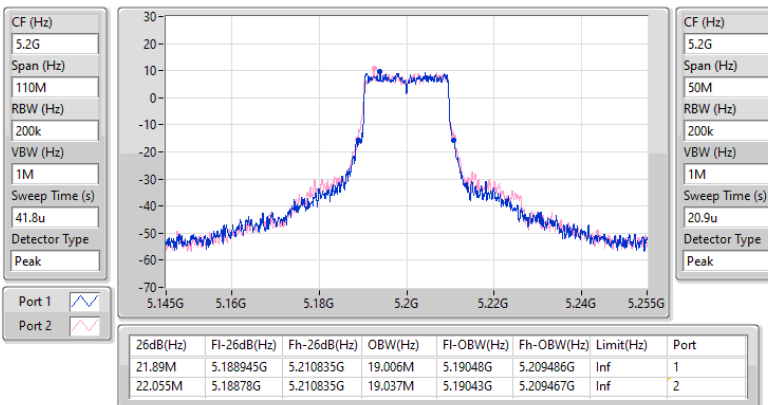


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

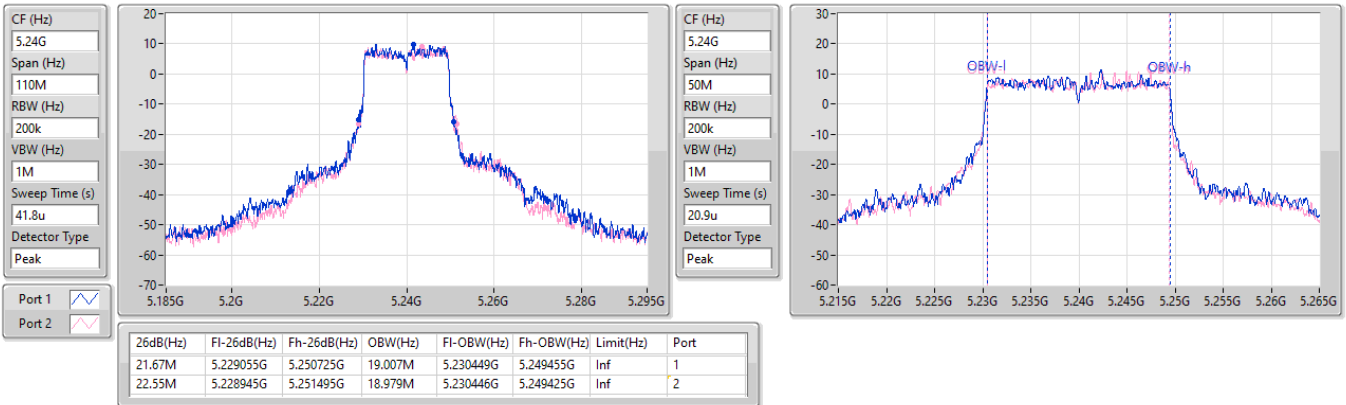
5200MHz

27/12/2024

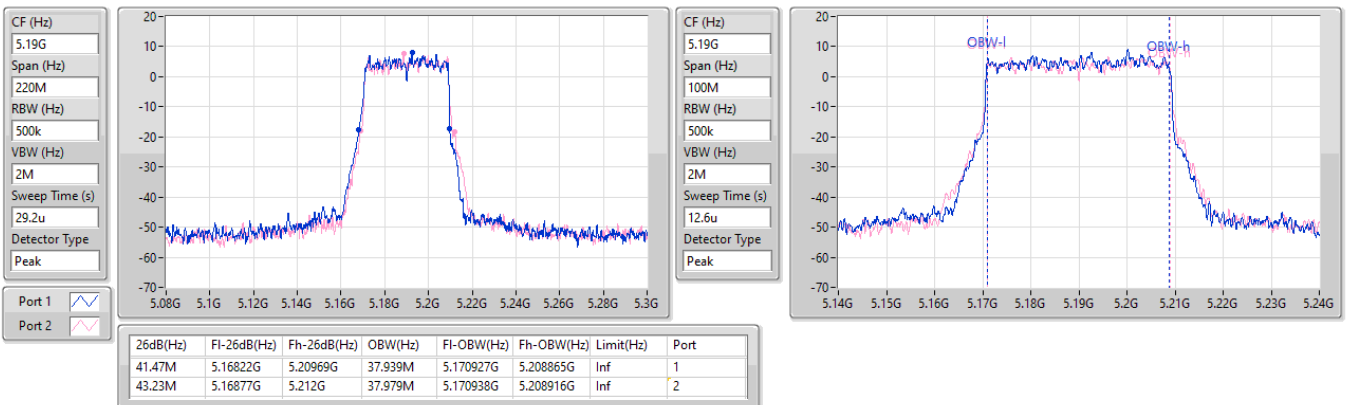


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

27/12/2024

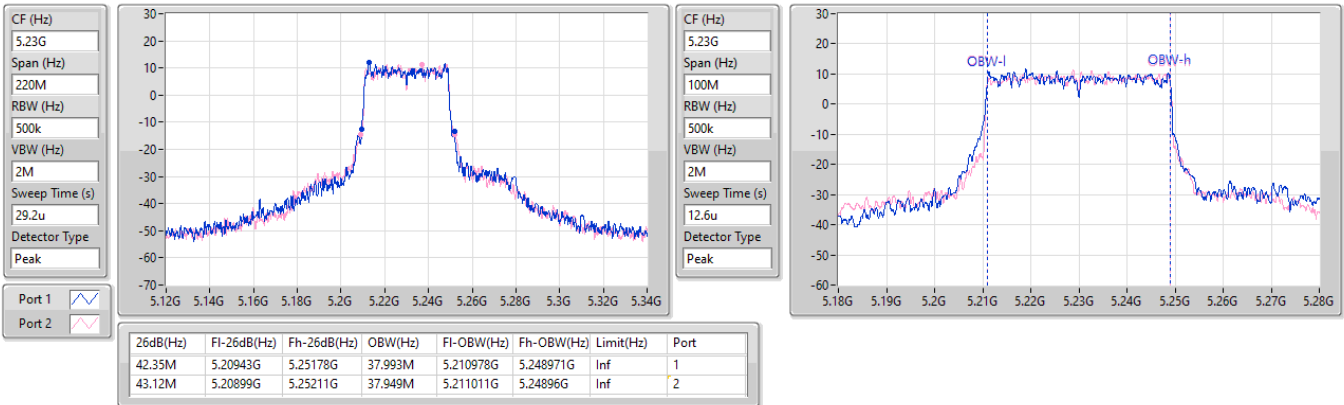

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

27/12/2024

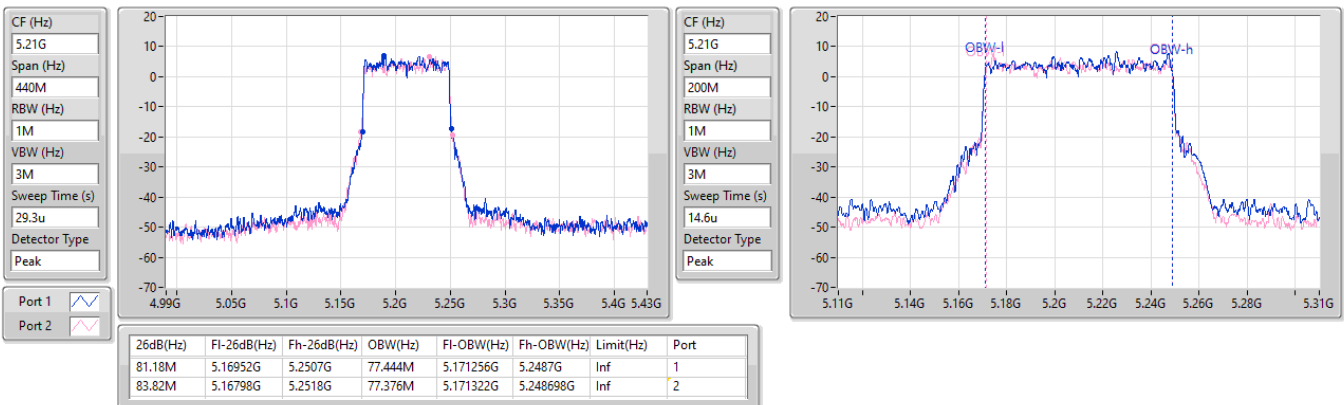


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

27/12/2024

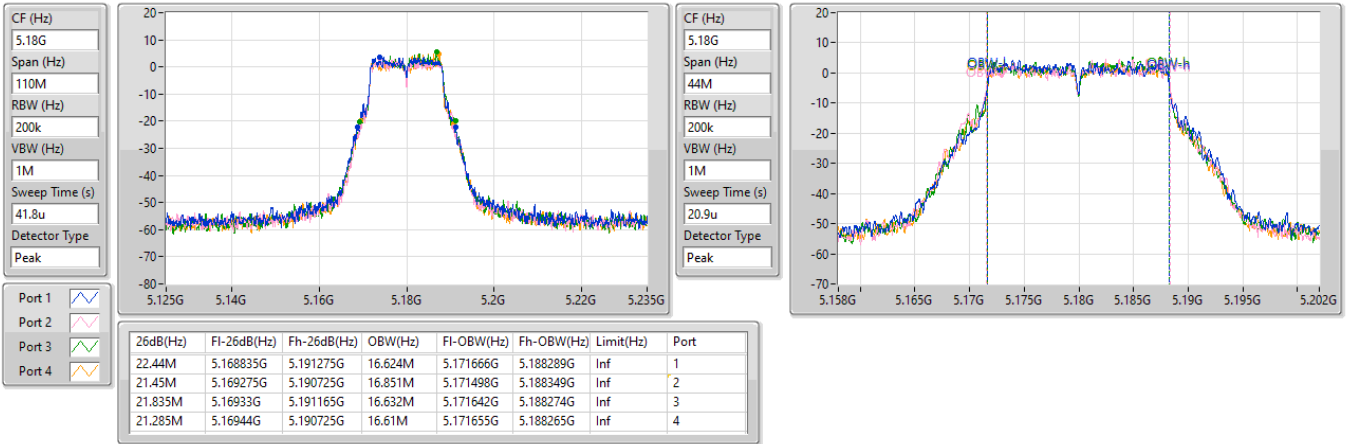

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

27/12/2024

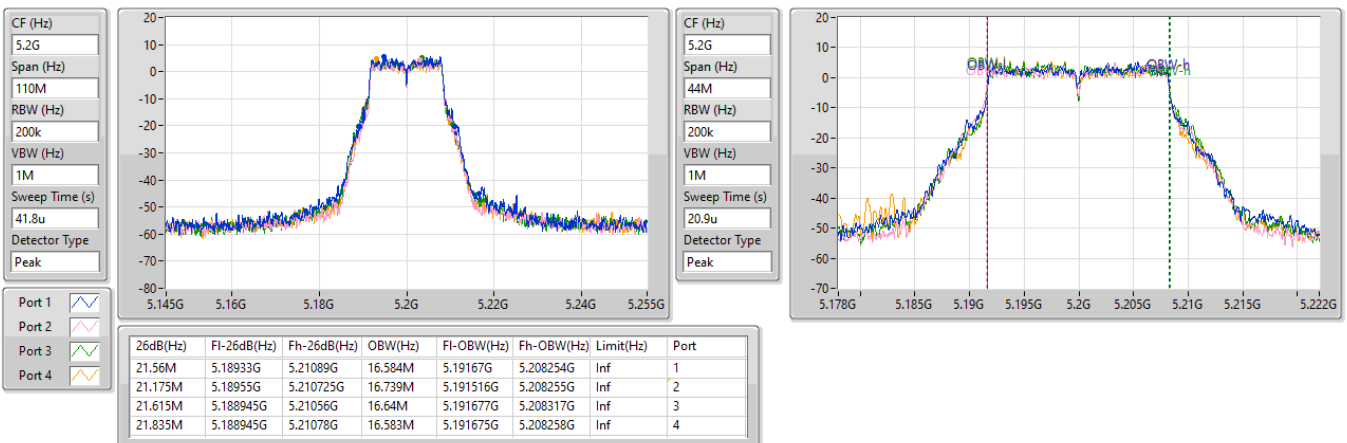


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

20/12/2024


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

20/12/2024

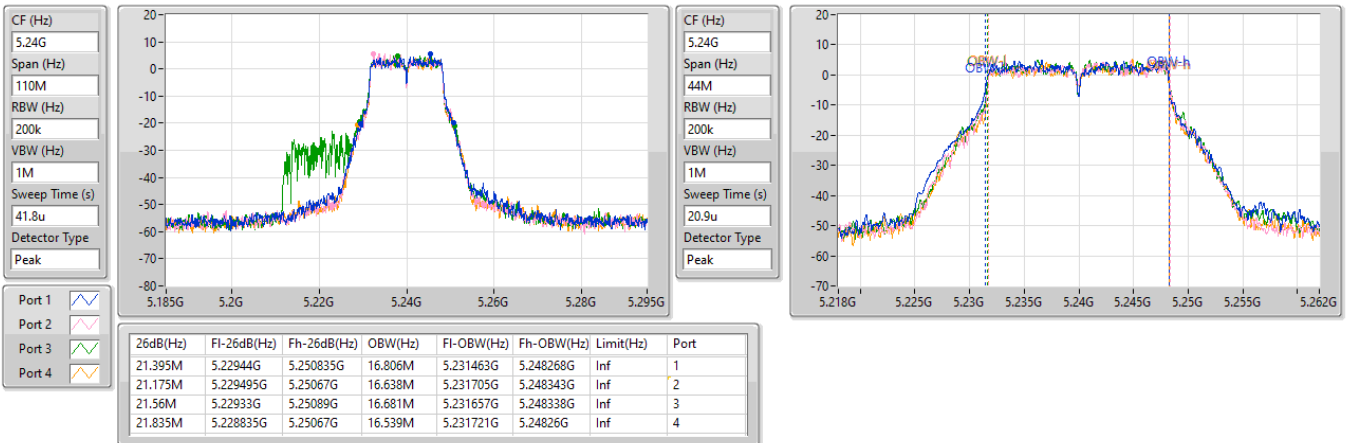


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

20/12/2024

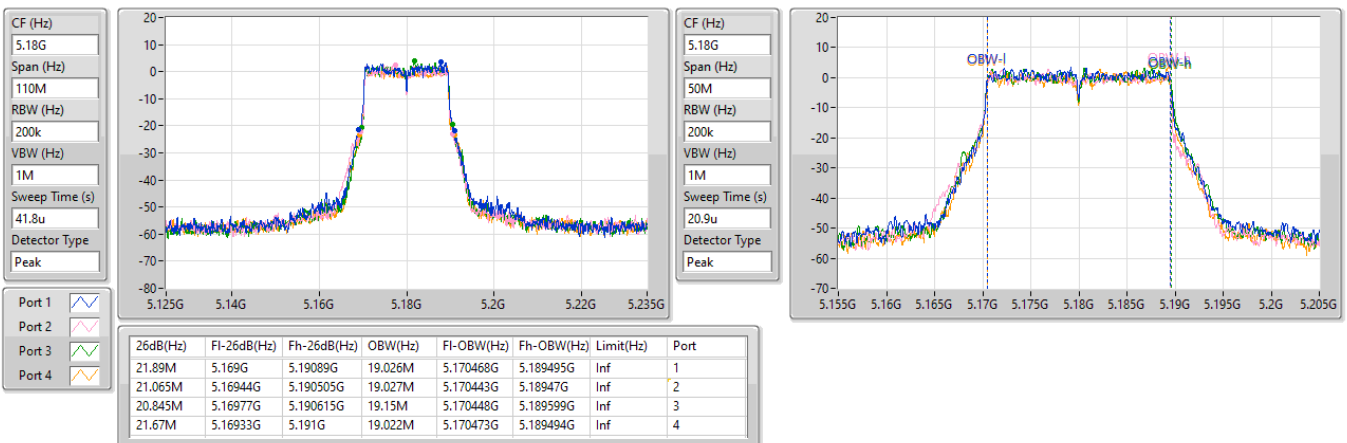


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

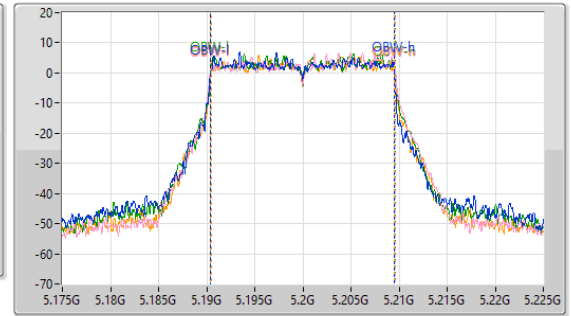
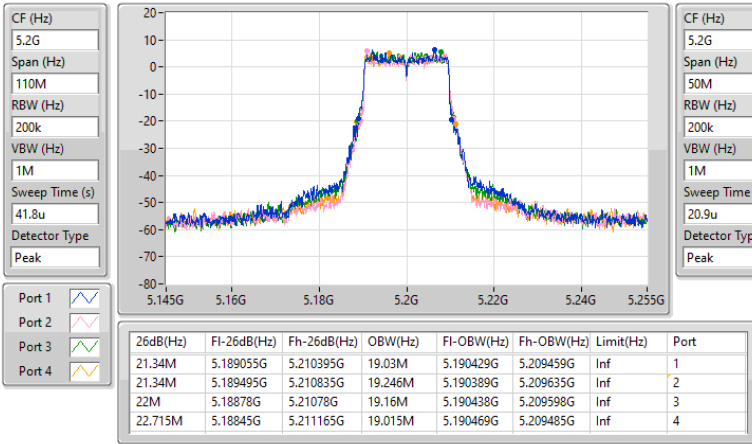
5180MHz

20/12/2024

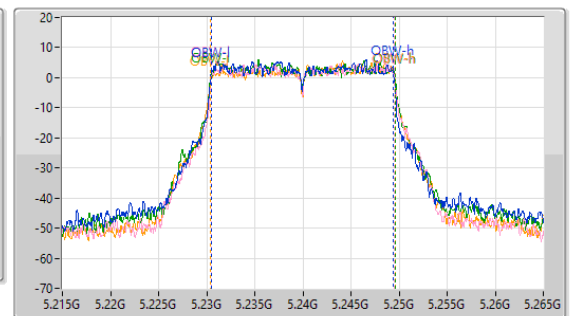
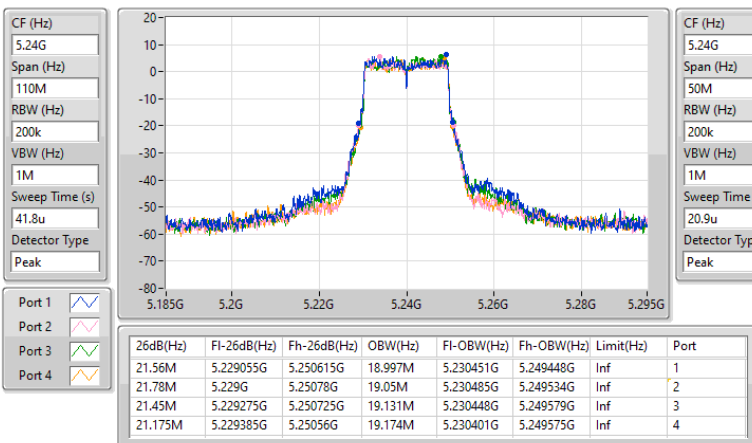


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

20/12/2024

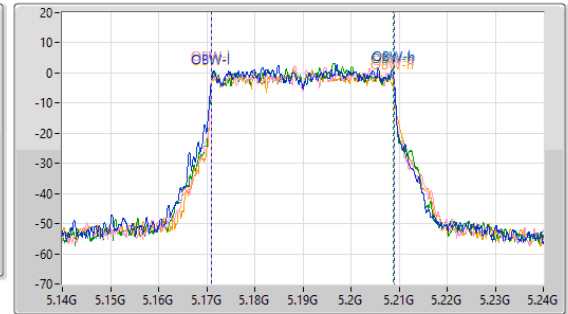
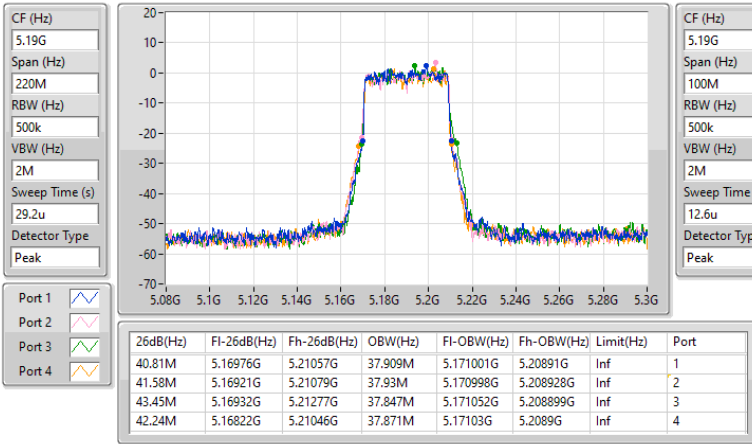

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

20/12/2024

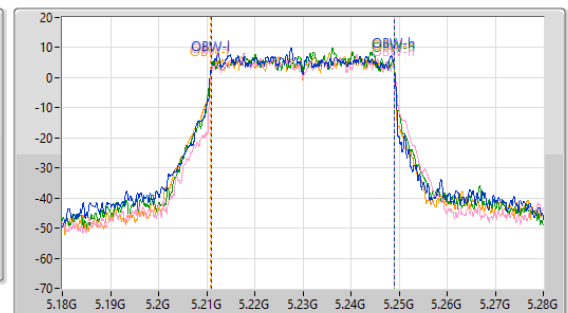
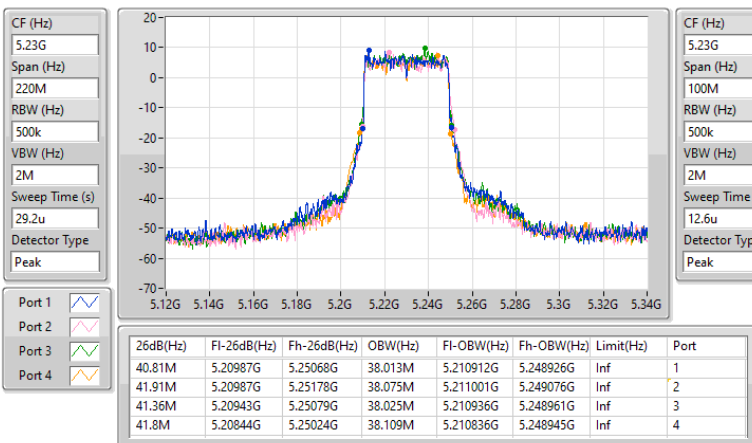


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

20/12/2024


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

20/12/2024

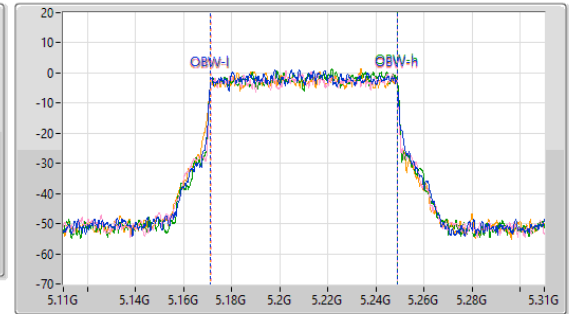
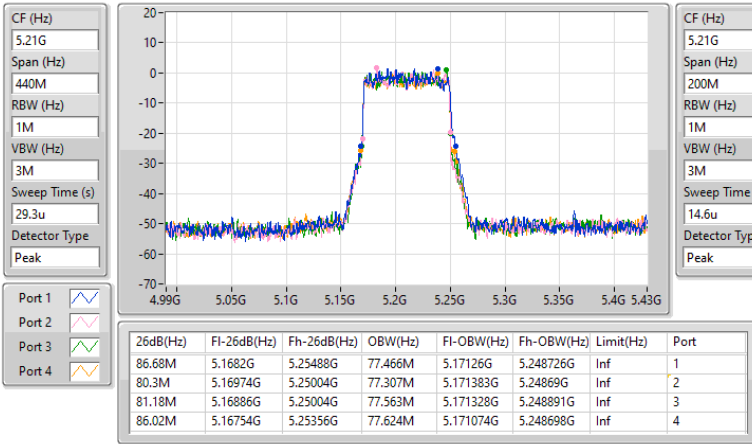


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

20/12/2024



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	22.825M	16.964M	17M0D1D	22.33M	16.864M
802.11a_Nss1,(6Mbps)_2TX	22.935M	16.943M	16M9D1D	22.22M	16.848M
802.11a_Nss1,(6Mbps)_4TX	22.605M	16.912M	16M9D1D	22.165M	16.813M
802.11be EHT20_Nss1,(MCS0)_1TX	23.21M	19.108M	19M1D1D	22.935M	19.097M
802.11be EHT20_Nss1,(MCS0)_2TX	23.265M	19.152M	19M2D1D	22.55M	19.105M
802.11be EHT20_Nss1,(MCS0)_4TX	23.265M	19.132M	19M1D1D	22.605M	19.074M
802.11be EHT40_Nss1,(MCS0)_1TX	44.44M	38.107M	38M1D1D	44.11M	38.051M
802.11be EHT40_Nss1,(MCS0)_2TX	44.55M	38.125M	38M1D1D	44M	38.045M
802.11be EHT40_Nss1,(MCS0)_4TX	44.55M	38.119M	38M1D1D	43.45M	38.056M
802.11be EHT80_Nss1,(MCS0)_1TX	88.66M	77.701M	77M7D1D	88.66M	77.701M
802.11be EHT80_Nss1,(MCS0)_2TX	90.42M	77.897M	77M9D1D	89.98M	77.705M
802.11be EHT80_Nss1,(MCS0)_4TX	91.3M	78M	78M0D1D	87.56M	77.692M

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

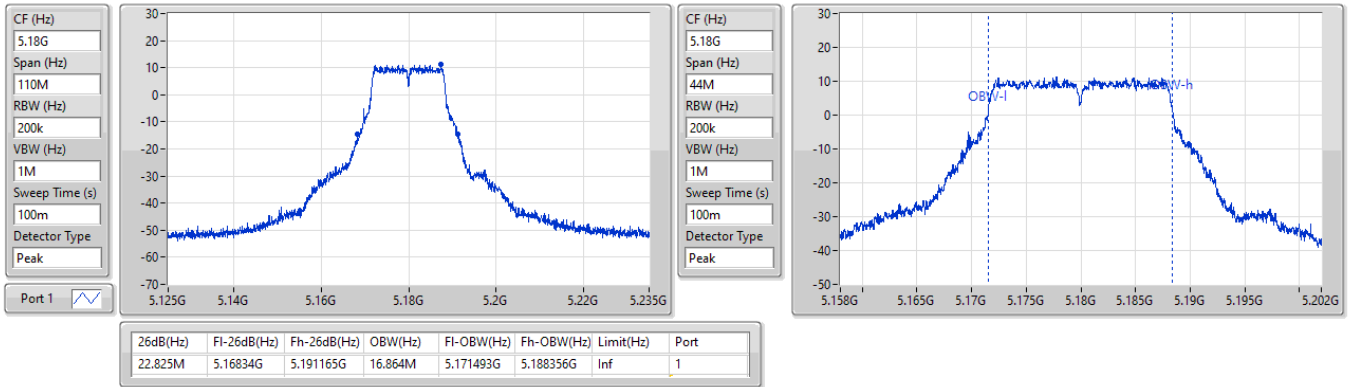
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.825M	16.864M						
5200MHz	Pass	Inf	22.825M	16.964M						
5240MHz	Pass	Inf	22.33M	16.923M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.99M	19.097M						
5200MHz	Pass	Inf	22.935M	19.104M						
5240MHz	Pass	Inf	23.21M	19.108M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.11M	38.051M						
5230MHz	Pass	Inf	44.44M	38.107M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.66M	77.701M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.385M	16.848M	22.22M	16.943M				
5200MHz	Pass	Inf	22.935M	16.9M	22.495M	16.932M				
5240MHz	Pass	Inf	22.385M	16.935M	22.22M	16.903M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.77M	19.105M	22.99M	19.107M				
5200MHz	Pass	Inf	22.77M	19.112M	23.265M	19.128M				
5240MHz	Pass	Inf	23.1M	19.116M	22.55M	19.152M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44M	38.045M	44.22M	38.116M				
5230MHz	Pass	Inf	44.55M	38.114M	44.44M	38.125M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.98M	77.705M	90.42M	77.897M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.22M	16.83M	22.33M	16.852M	22.33M	16.841M	22.275M	16.813M
5200MHz	Pass	Inf	22.33M	16.858M	22.275M	16.835M	22.165M	16.844M	22.44M	16.819M
5240MHz	Pass	Inf	22.385M	16.912M	22.605M	16.869M	22.385M	16.882M	22.33M	16.846M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.88M	19.093M	22.66M	19.078M	22.99M	19.075M	22.99M	19.121M
5200MHz	Pass	Inf	23.265M	19.132M	22.825M	19.107M	23.155M	19.081M	22.935M	19.074M
5240MHz	Pass	Inf	22.605M	19.11M	22.715M	19.129M	23.21M	19.122M	23.21M	19.09M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.45M	38.088M	44.44M	38.074M	44.11M	38.08M	44.55M	38.056M
5230MHz	Pass	Inf	44.55M	38.107M	44.55M	38.089M	43.56M	38.114M	44.55M	38.119M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.54M	77.692M	90.42M	77.906M	91.3M	77.868M	87.56M	78M

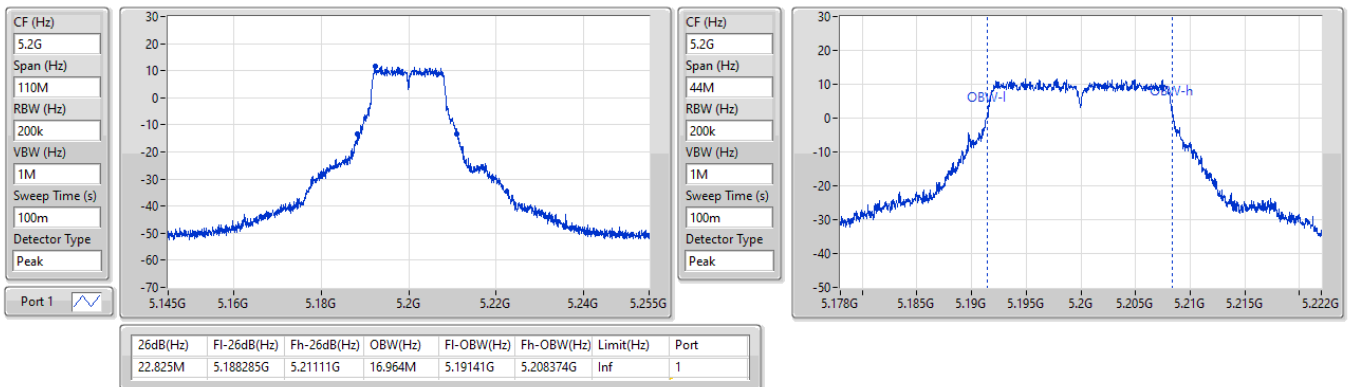
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

30/12/2024

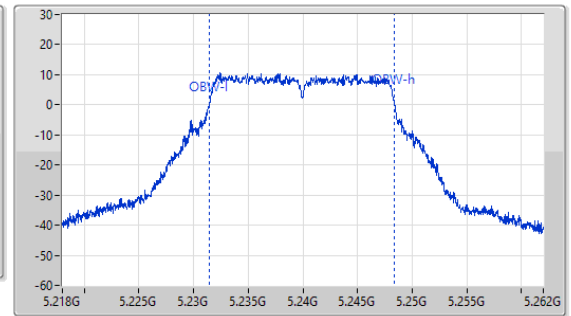
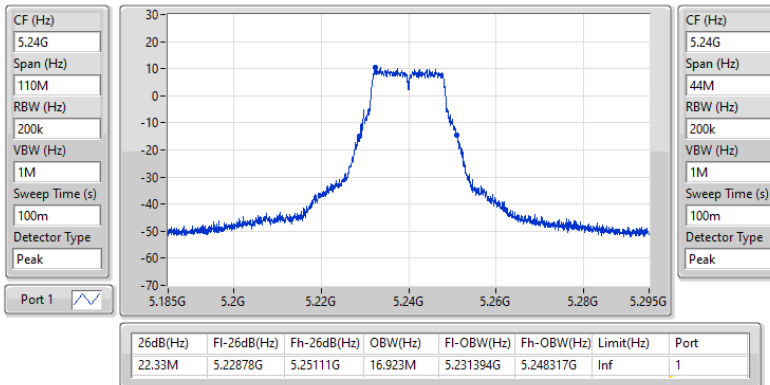

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

31/12/2024

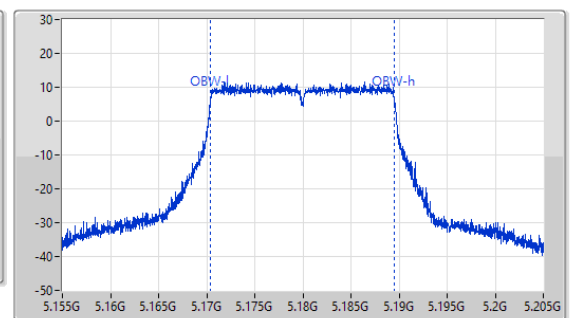
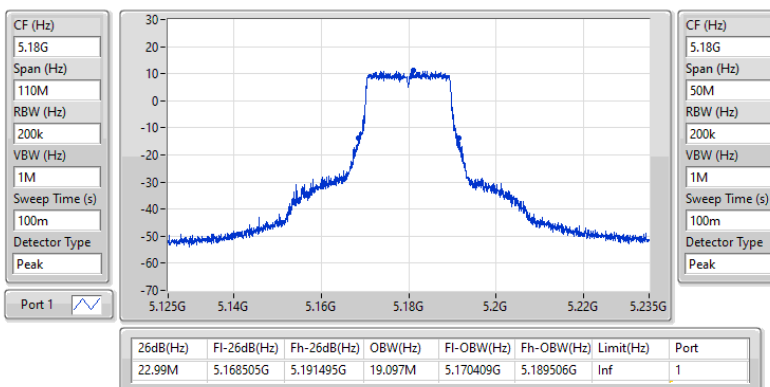


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

31/12/2024

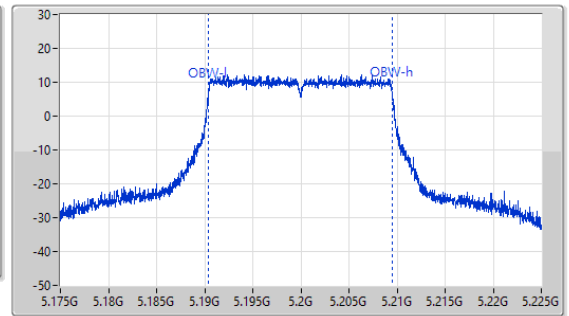
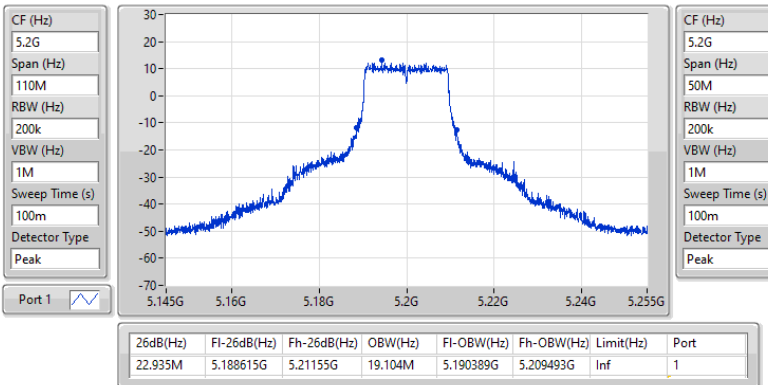

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

30/12/2024

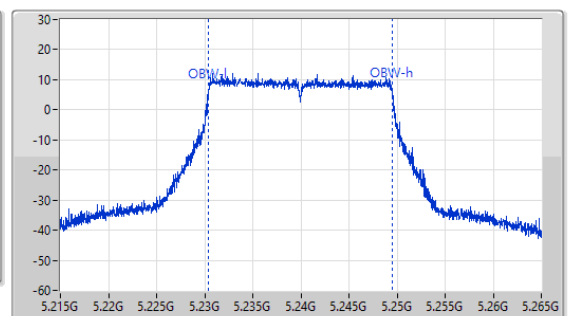
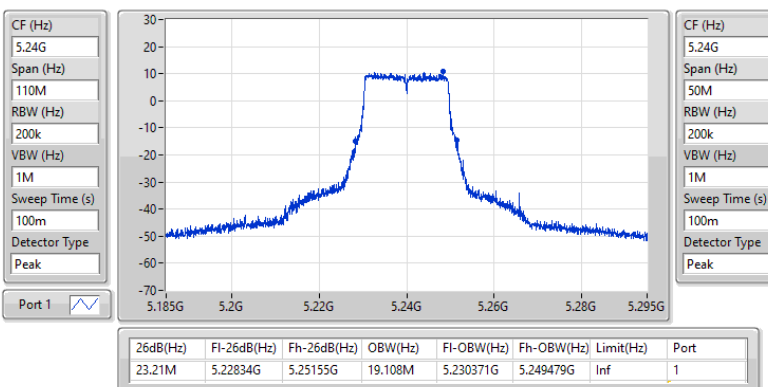


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

31/12/2024

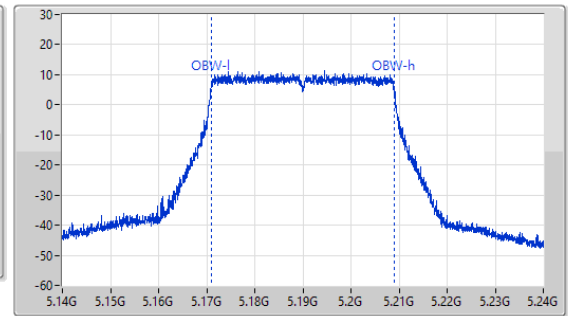
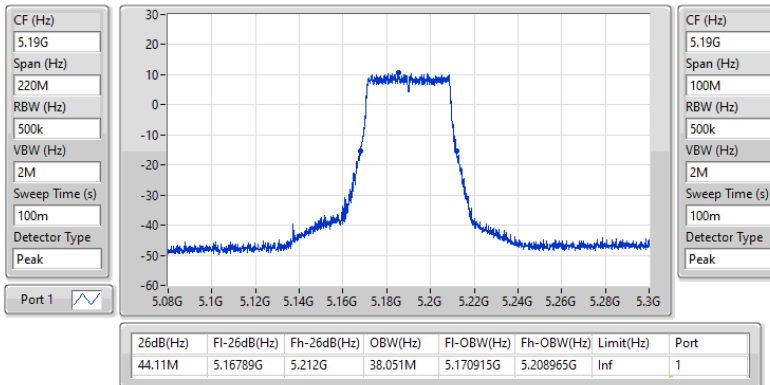

5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

31/12/2024

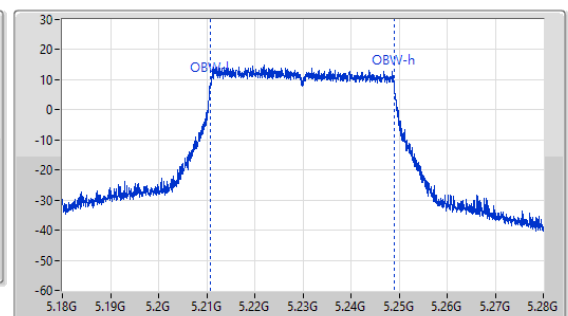
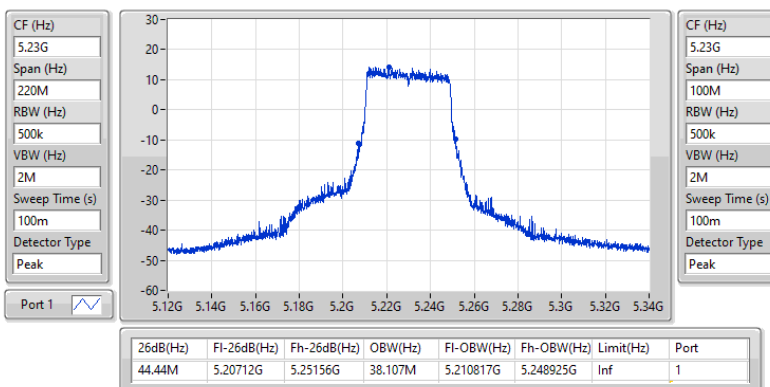


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

30/12/2024

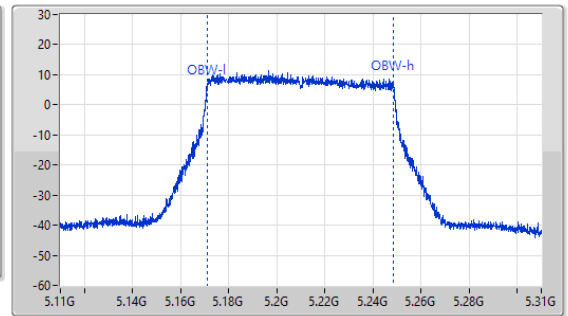
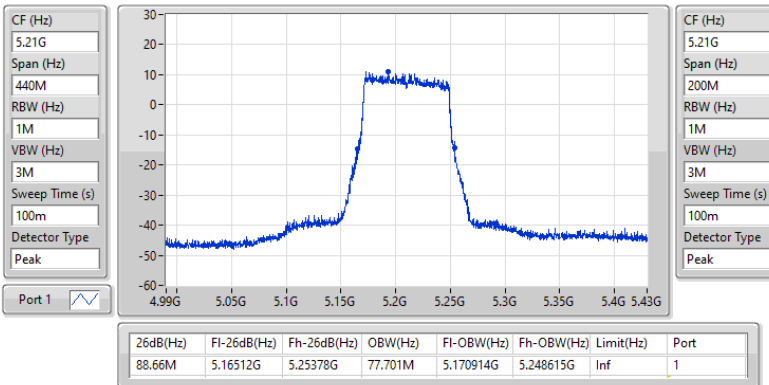

5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

30/12/2024

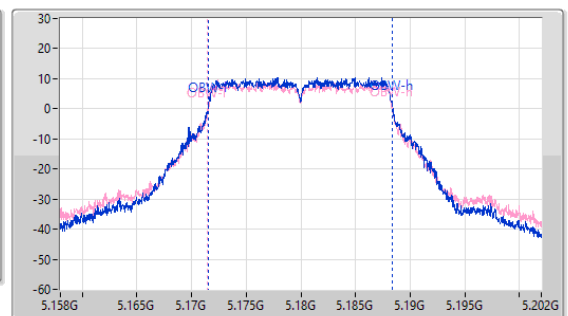
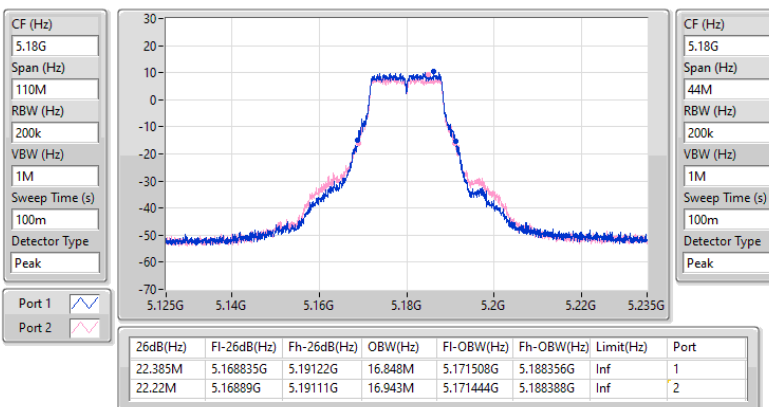


5.15-5.25GHz 802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

30/12/2024


5.15-5.25GHz 802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

30/12/2024

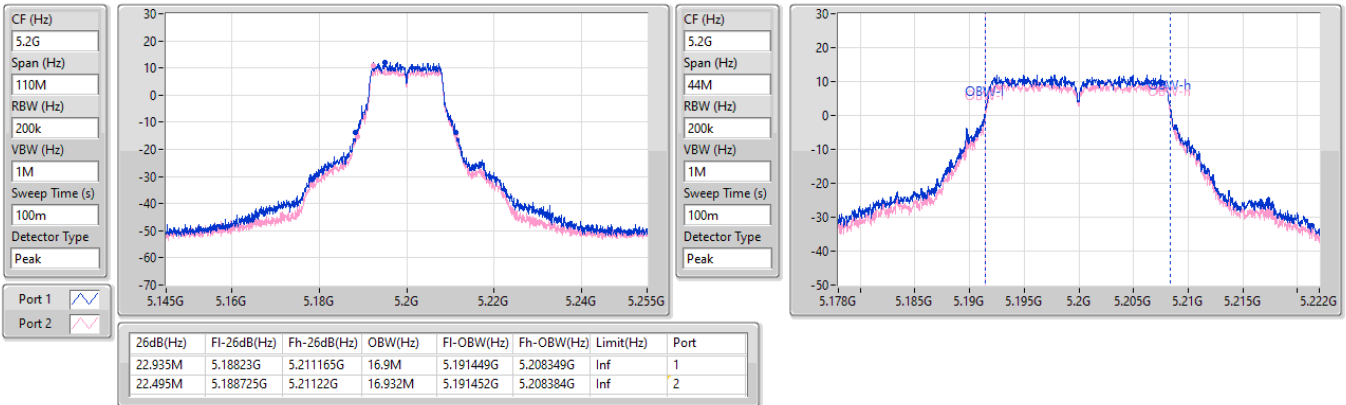


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

31/12/2024

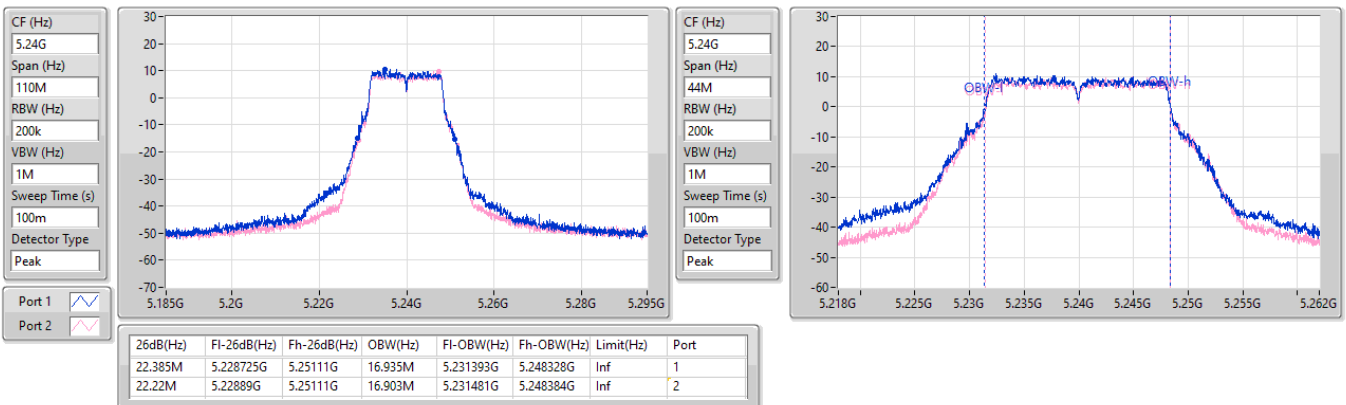


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

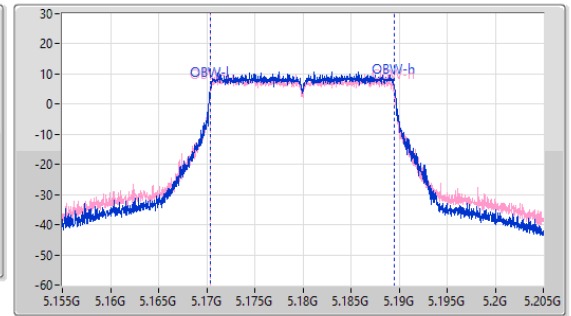
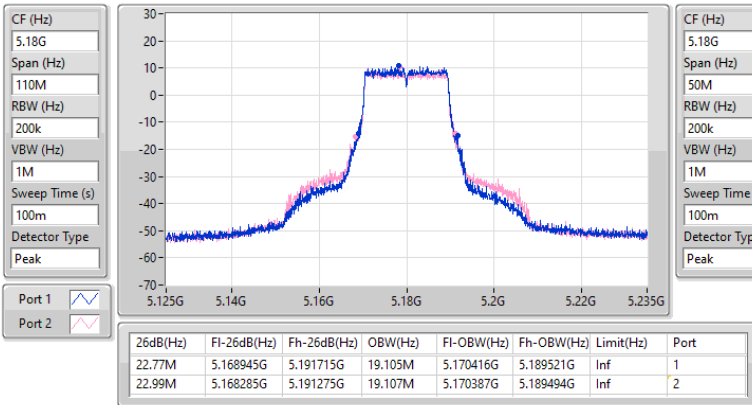
5240MHz

31/12/2024

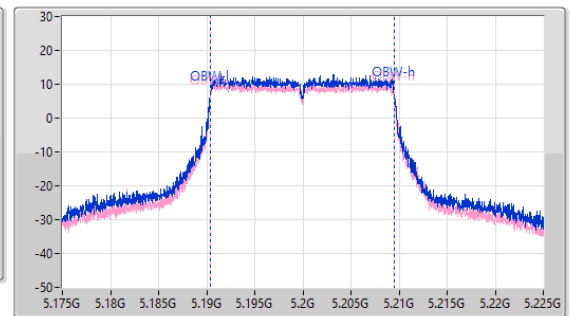
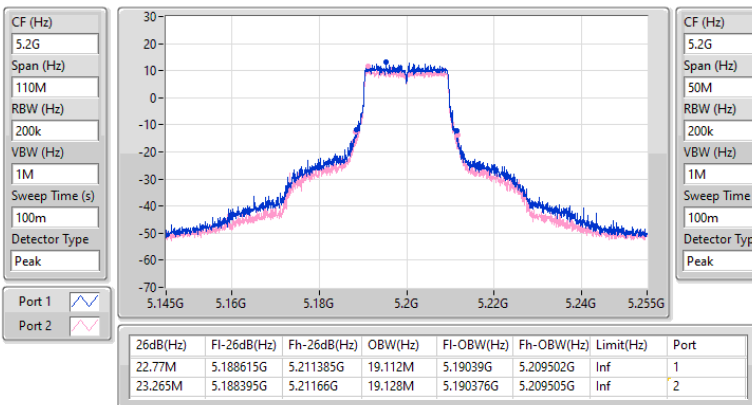


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

30/12/2024


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

31/12/2024

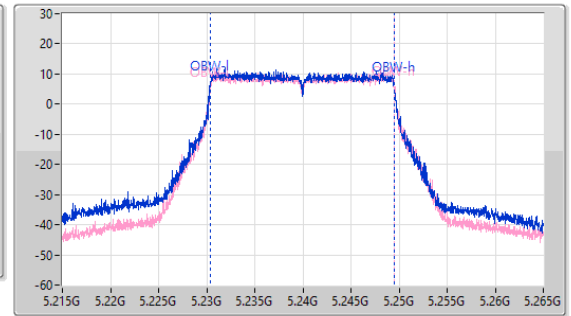
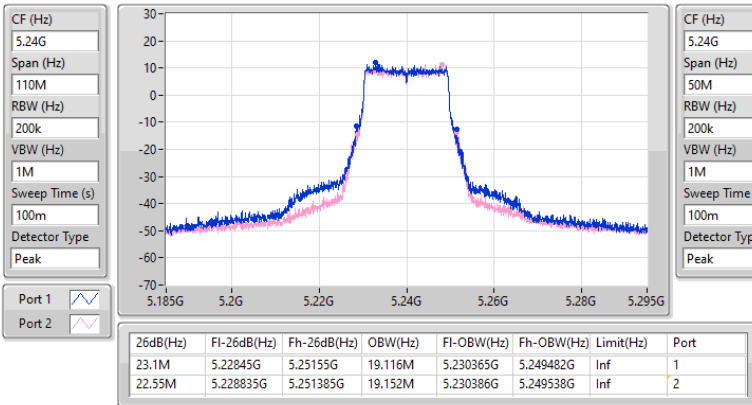


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

31/12/2024

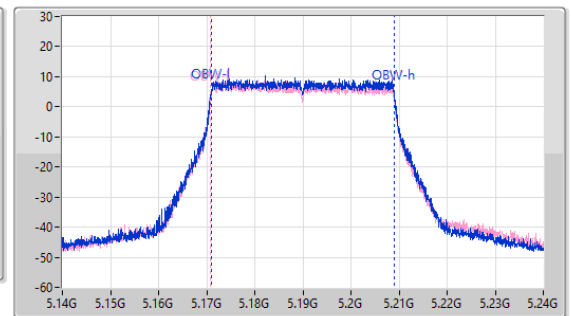
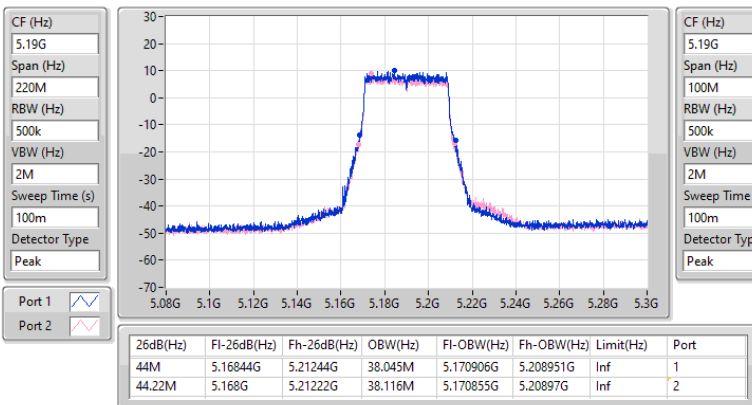


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

30/12/2024

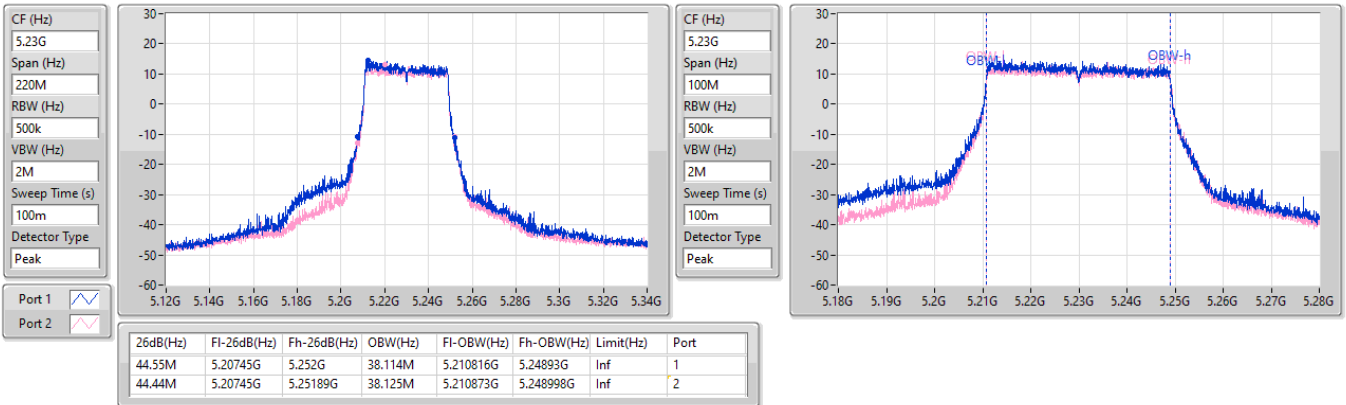


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

30/12/2024

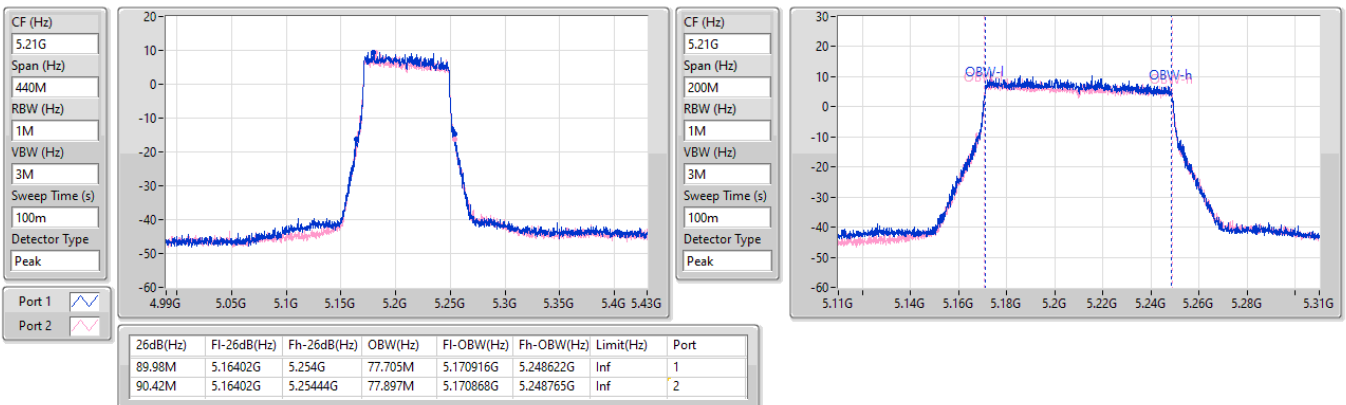


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

30/12/2024

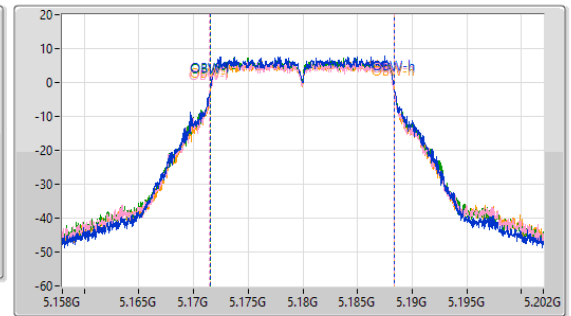
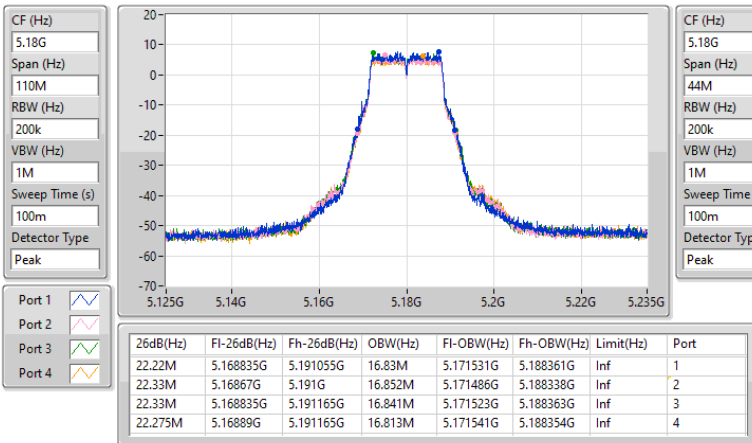


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

31/12/2024

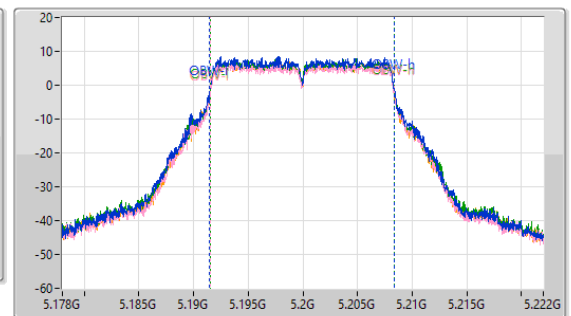
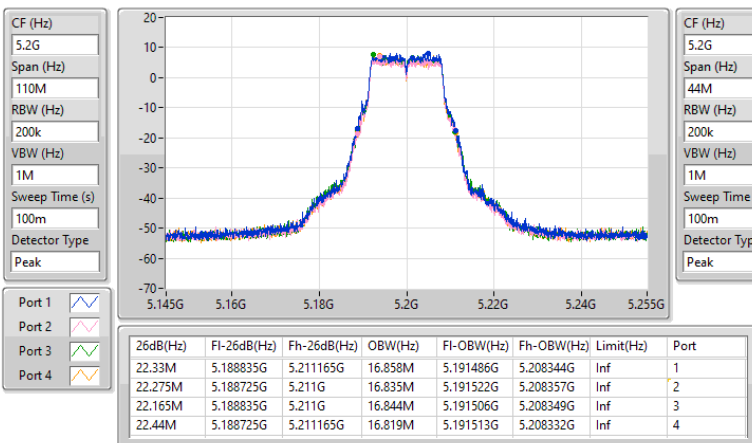


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

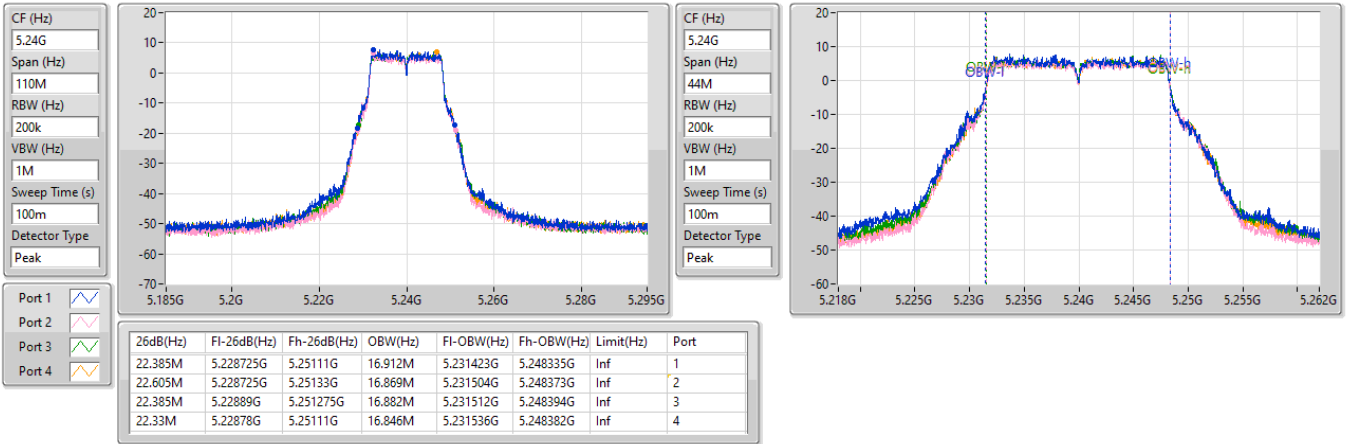
5200MHz

31/12/2024

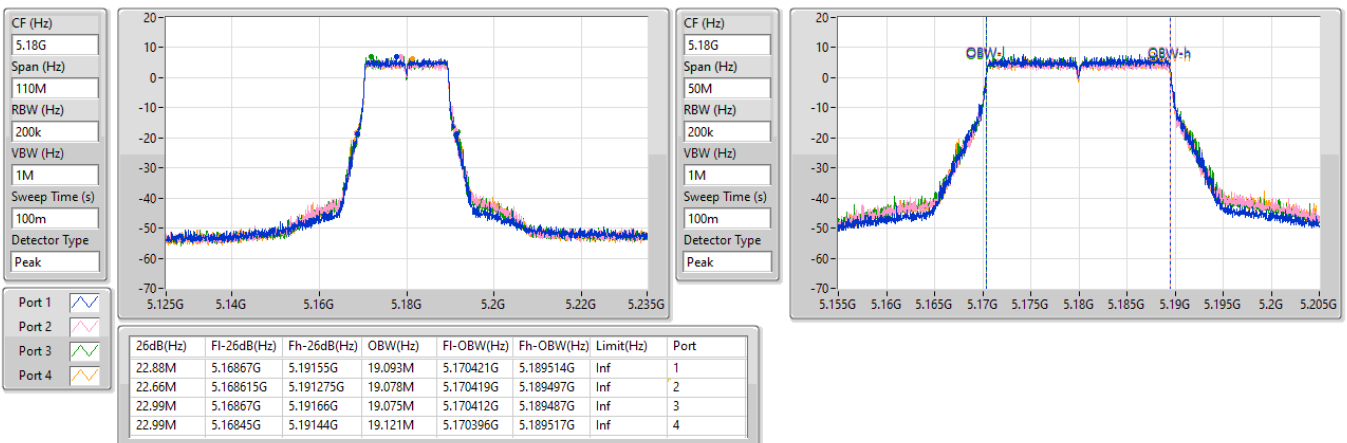


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

31/12/2024

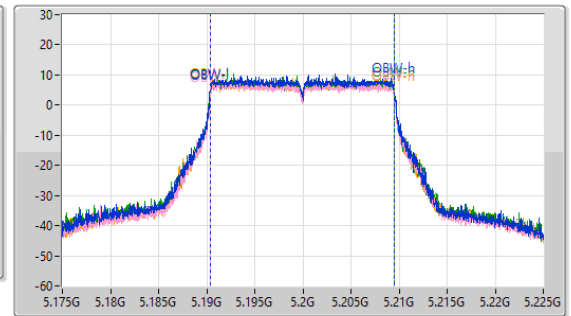
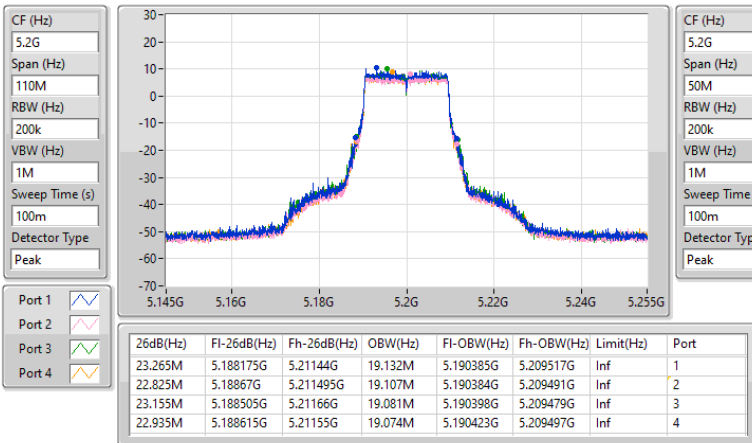

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

31/12/2024

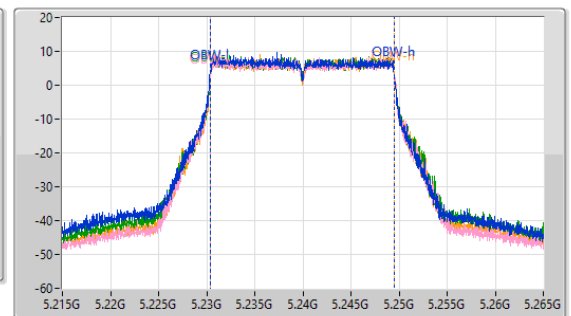
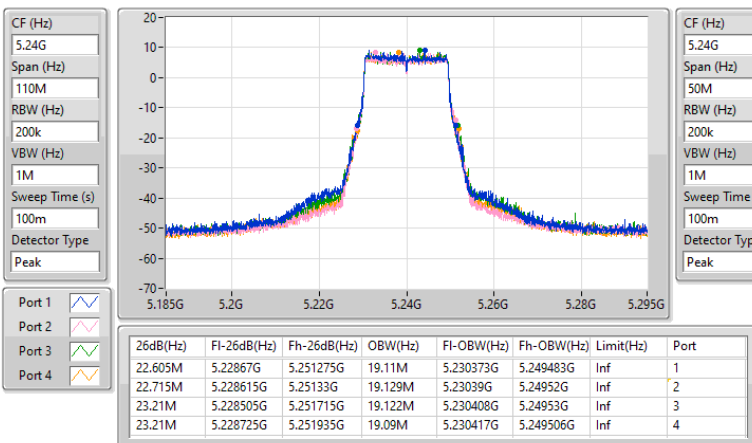


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

31/12/2024

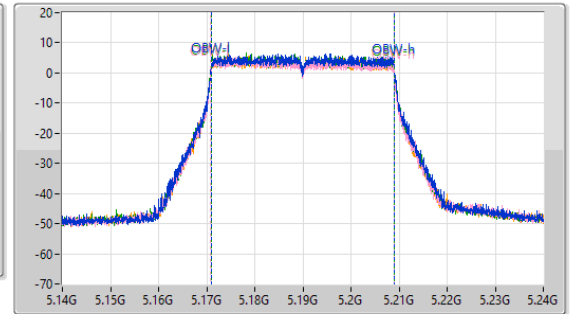
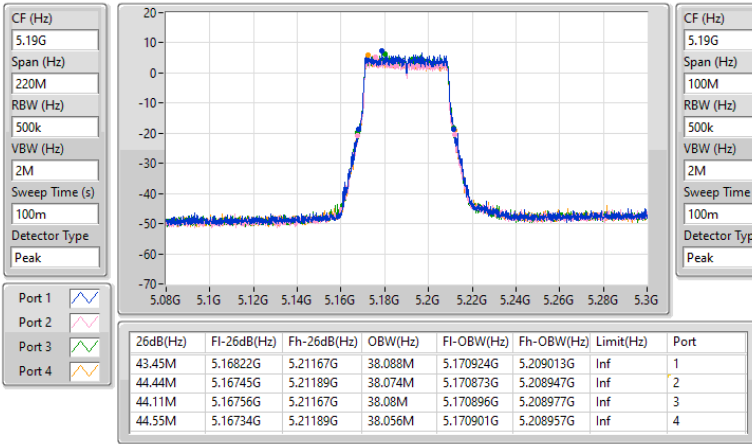

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

31/12/2024

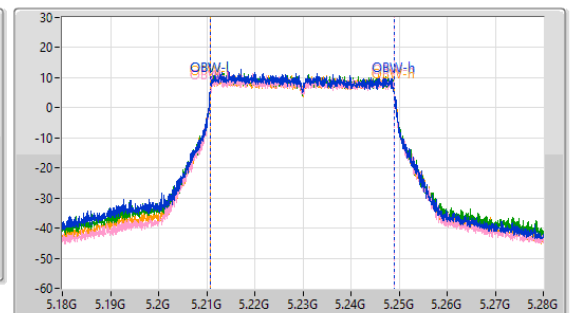
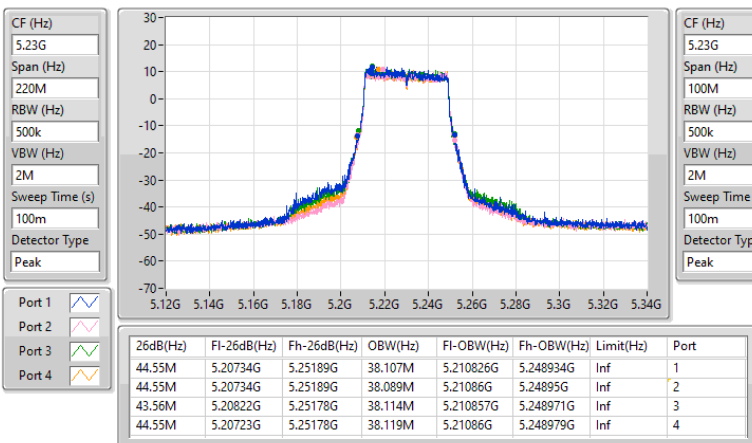


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

31/12/2024


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

31/12/2024

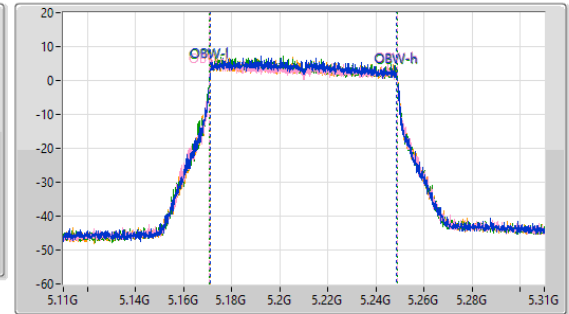
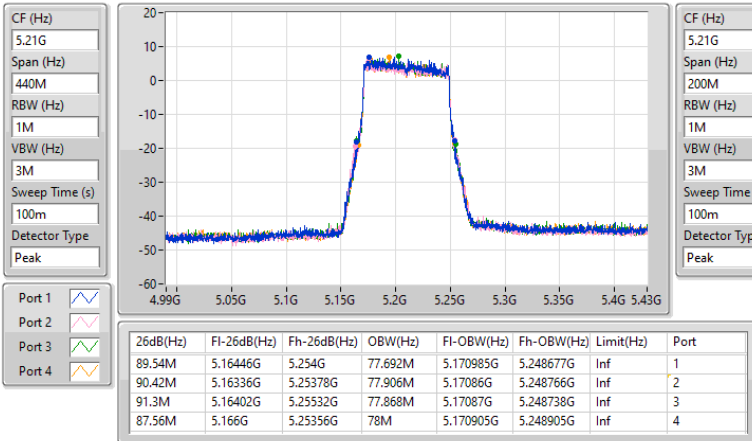


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

31/12/2024



**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	22.825M	16.97M	17M0D1D	22.44M	16.854M
802.11a_Nss1,(6Mbps)_2TX	23.21M	16.966M	17M0D1D	22.44M	16.843M
802.11a_Nss1,(6Mbps)_4TX	22.825M	16.892M	16M9D1D	21.945M	16.814M
802.11be EHT20_Nss1,(MCS0)_1TX	23.375M	19.119M	19M1D1D	23.265M	19.098M
802.11be EHT20_Nss1,(MCS0)_2TX	23.155M	19.123M	19M1D1D	22.44M	19.086M
802.11be EHT20_Nss1,(MCS0)_4TX	23.265M	19.146M	19M1D1D	22.275M	19.071M
802.11be EHT40_Nss1,(MCS0)_1TX	44.22M	38.079M	38M1D1D	44.11M	38.016M
802.11be EHT40_Nss1,(MCS0)_2TX	44.44M	38.127M	38M1D1D	44M	38.022M
802.11be EHT40_Nss1,(MCS0)_4TX	44.55M	38.169M	38M2D1D	43.23M	38.022M
802.11be EHT80_Nss1,(MCS0)_1TX	90.2M	77.834M	77M8D1D	90.2M	77.834M
802.11be EHT80_Nss1,(MCS0)_2TX	89.98M	77.985M	78M0D1D	88.88M	77.815M
802.11be EHT80_Nss1,(MCS0)_4TX	89.98M	77.985M	78M0D1D	87.12M	77.779M

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

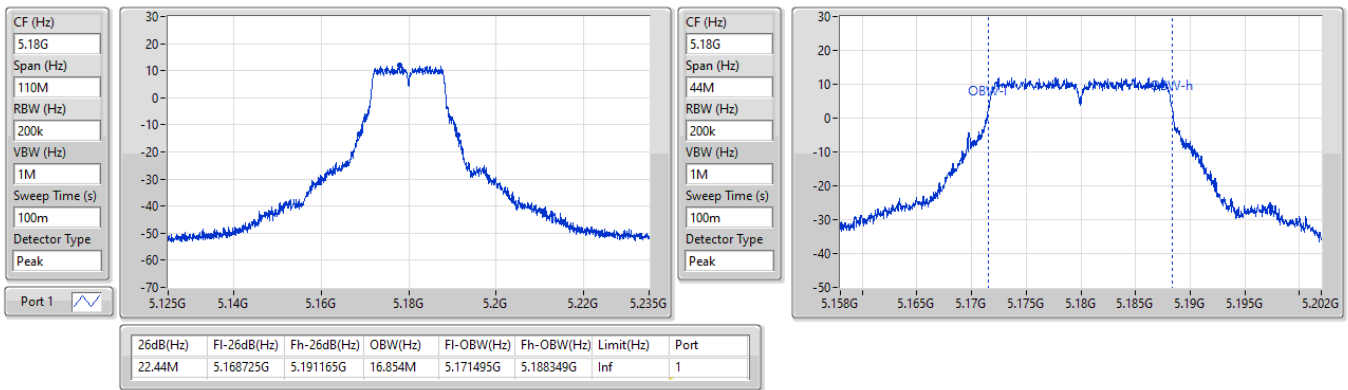
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.44M	16.854M						
5200MHz	Pass	Inf	22.825M	16.97M						
5240MHz	Pass	Inf	22.44M	16.88M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.265M	19.105M						
5200MHz	Pass	Inf	23.375M	19.119M						
5240MHz	Pass	Inf	23.265M	19.098M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.11M	38.016M						
5230MHz	Pass	Inf	44.22M	38.079M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	90.2M	77.834M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.55M	16.843M	22.55M	16.923M				
5200MHz	Pass	Inf	22.88M	16.966M	23.21M	16.942M				
5240MHz	Pass	Inf	22.44M	16.853M	22.935M	16.868M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.155M	19.086M	22.99M	19.105M				
5200MHz	Pass	Inf	22.77M	19.094M	22.935M	19.103M				
5240MHz	Pass	Inf	22.44M	19.123M	22.99M	19.107M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.44M	38.022M	44M	38.127M				
5230MHz	Pass	Inf	44.11M	38.054M	44.44M	38.126M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.98M	77.815M	88.88M	77.985M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.33M	16.826M	21.945M	16.847M	22.11M	16.816M	22.55M	16.834M
5200MHz	Pass	Inf	22.33M	16.873M	22.44M	16.89M	22.165M	16.87M	22.33M	16.892M
5240MHz	Pass	Inf	22.33M	16.872M	22.825M	16.814M	22.11M	16.861M	22.44M	16.855M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.715M	19.071M	22.275M	19.096M	23.1M	19.082M	22.55M	19.071M
5200MHz	Pass	Inf	22.935M	19.081M	22.77M	19.104M	23.265M	19.105M	23.1M	19.146M
5240MHz	Pass	Inf	22.715M	19.103M	22.605M	19.089M	22.77M	19.102M	23.045M	19.092M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.33M	38.053M	43.89M	38.124M	43.23M	38.054M	43.34M	38.022M
5230MHz	Pass	Inf	44.55M	38.115M	44.33M	38.169M	44.33M	38.06M	43.78M	38.114M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	87.12M	77.779M	89.54M	77.985M	89.32M	77.88M	89.98M	77.924M

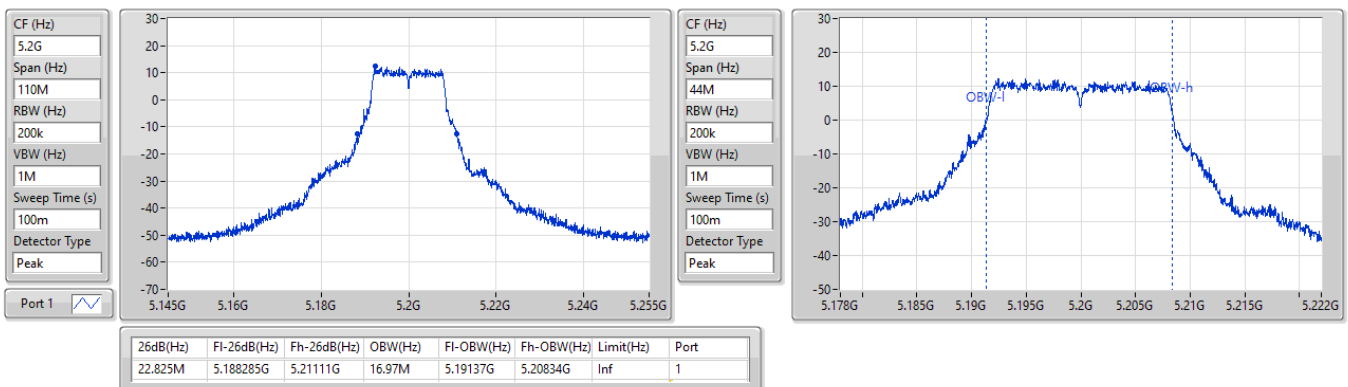
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5180MHz

24/01/2025

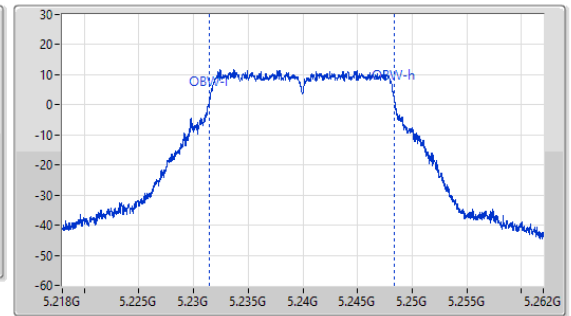
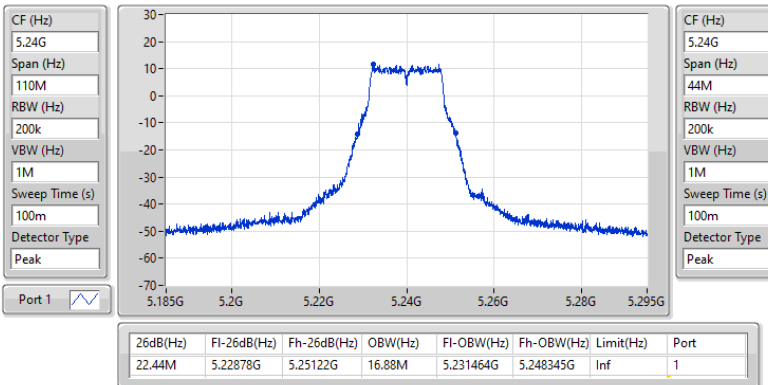

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

24/01/2025

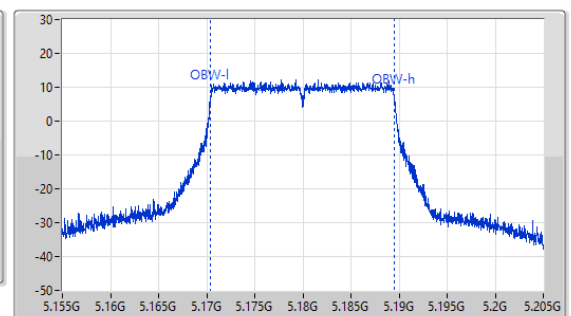
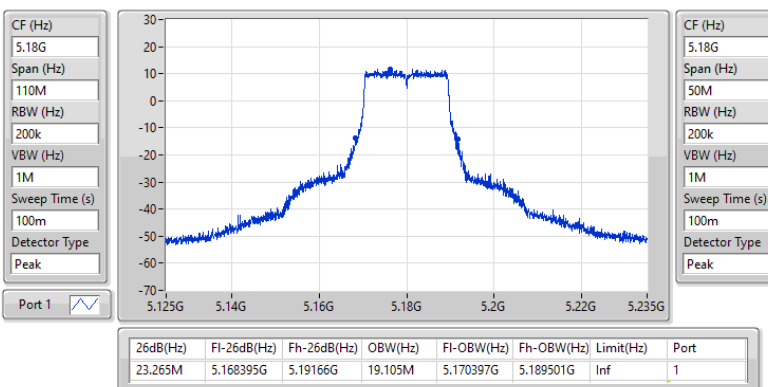


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

24/01/2025

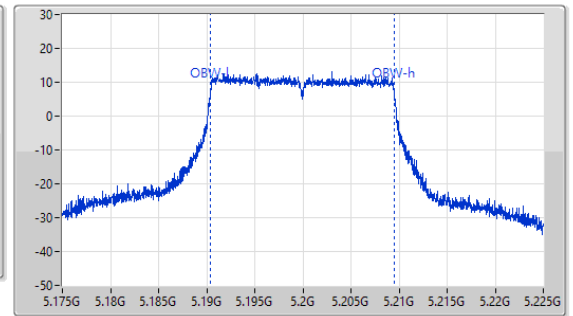
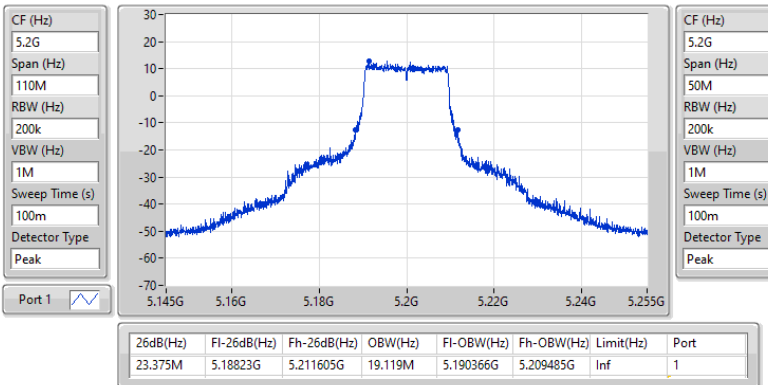

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

24/01/2025

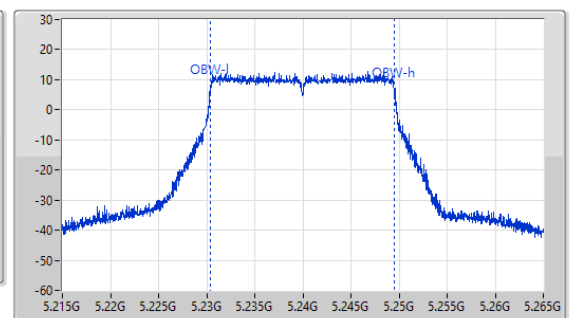
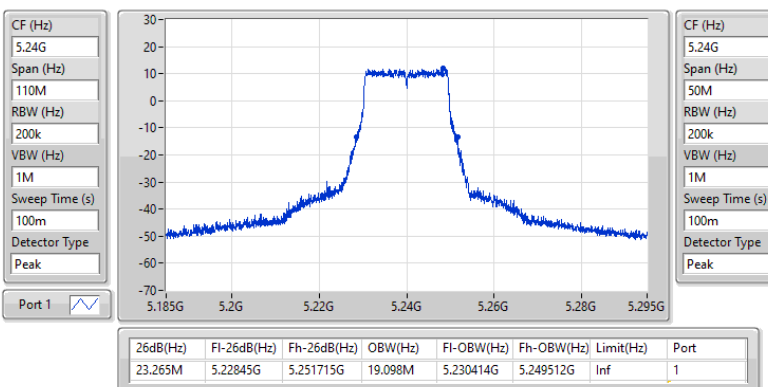


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

24/01/2025

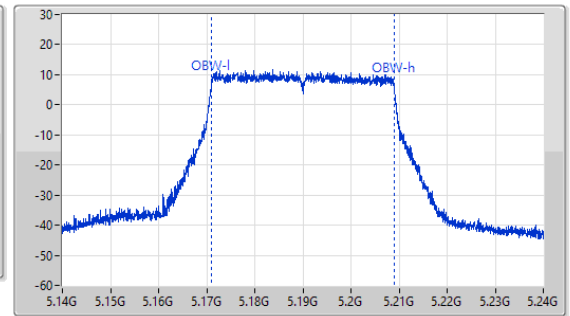
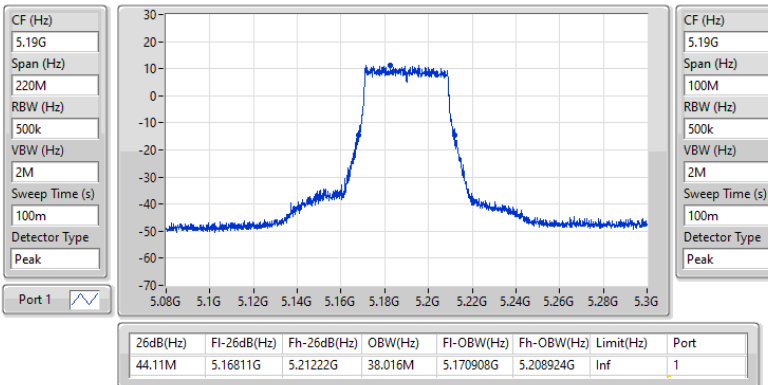

5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

24/01/2025

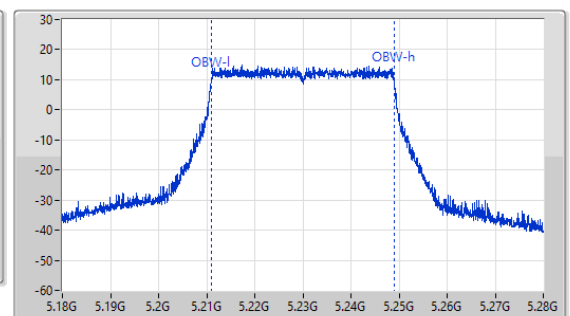
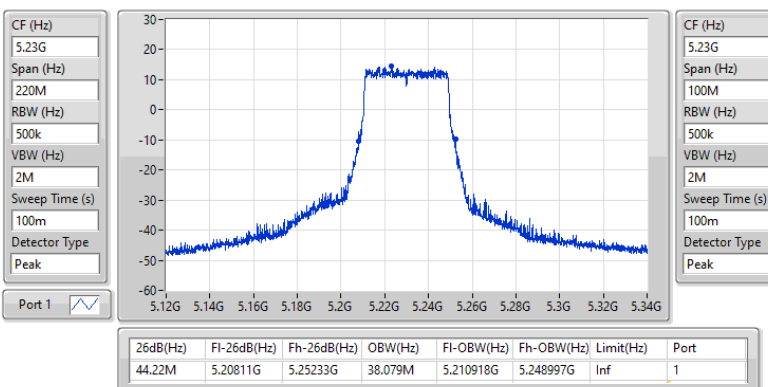


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

24/01/2025

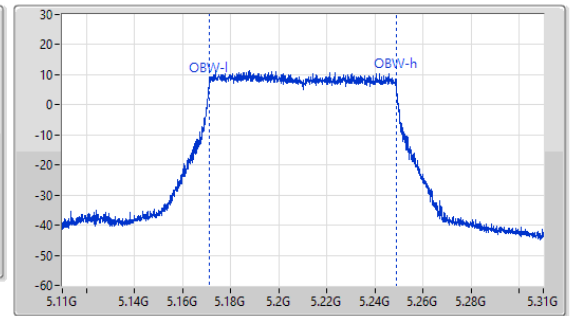
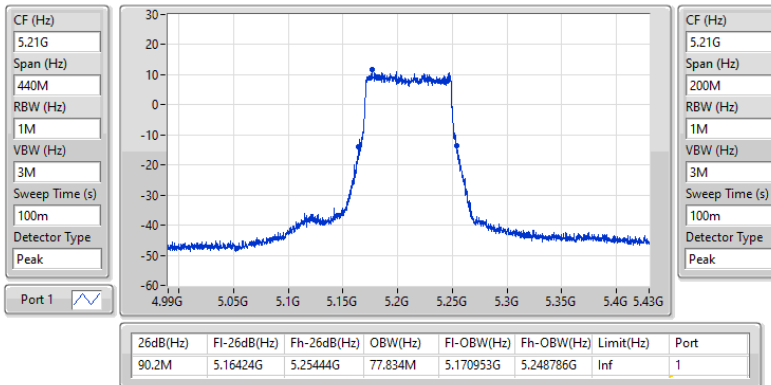

5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

24/01/2025

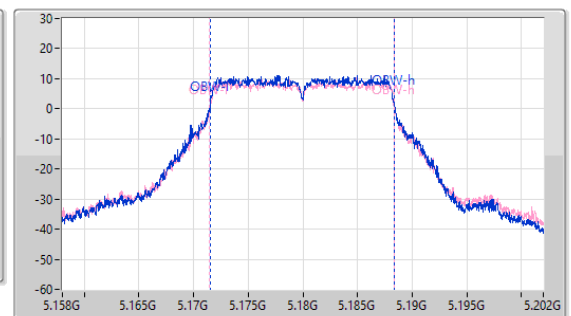
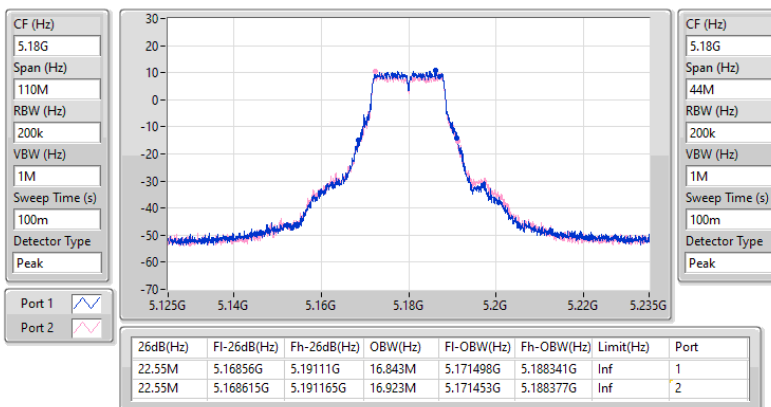


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

24/01/2025

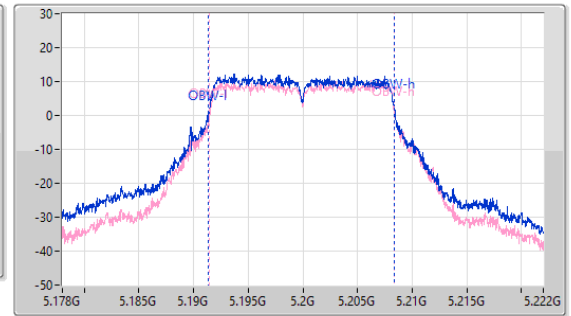
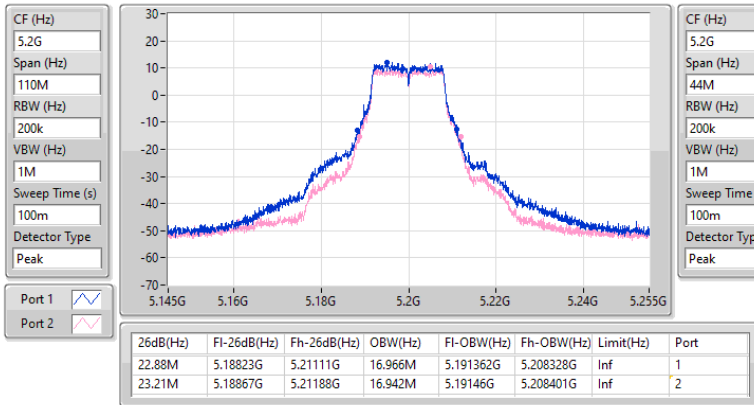

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

24/01/2025

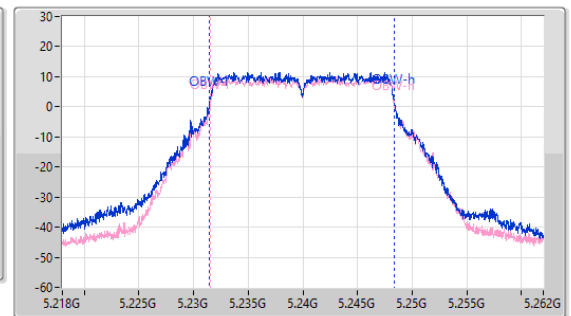
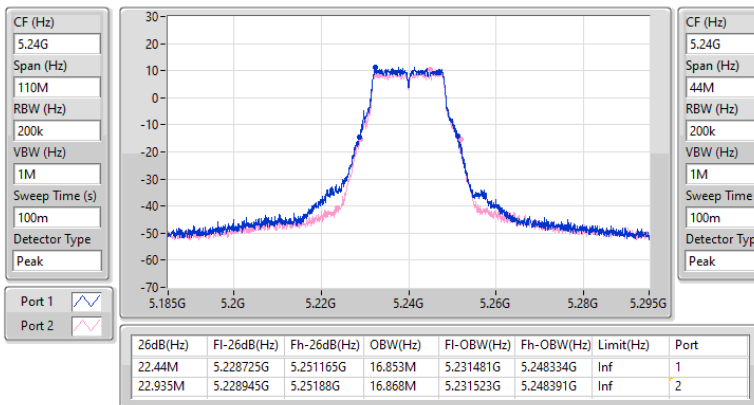


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5200MHz

24/01/2025

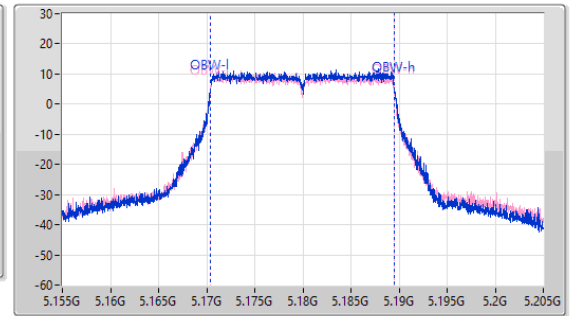
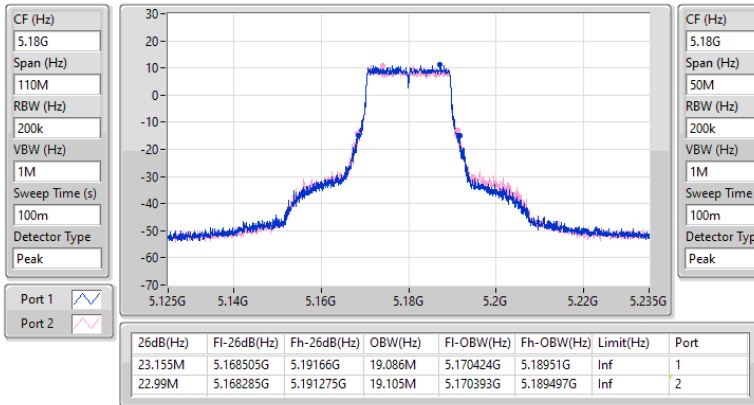

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

24/01/2025

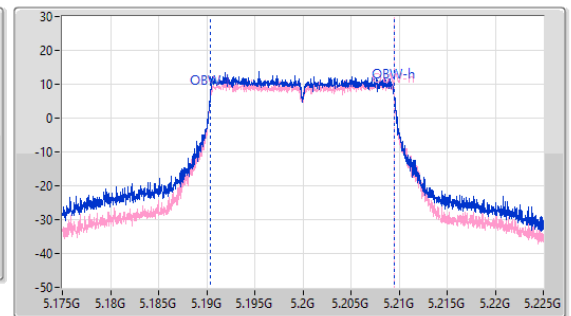
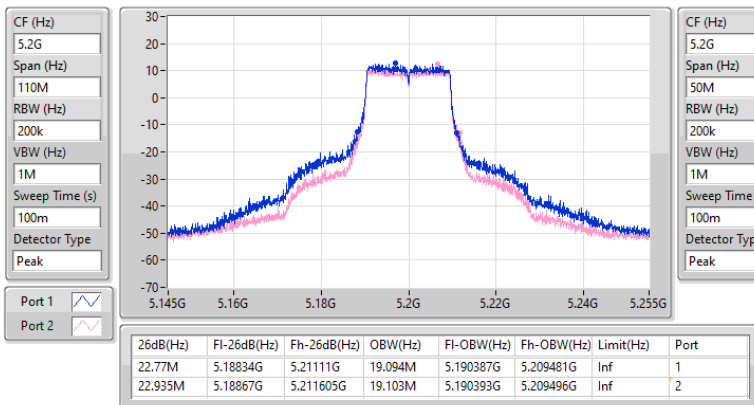


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

24/01/2025

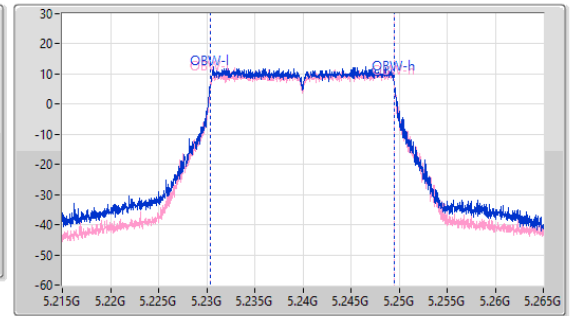
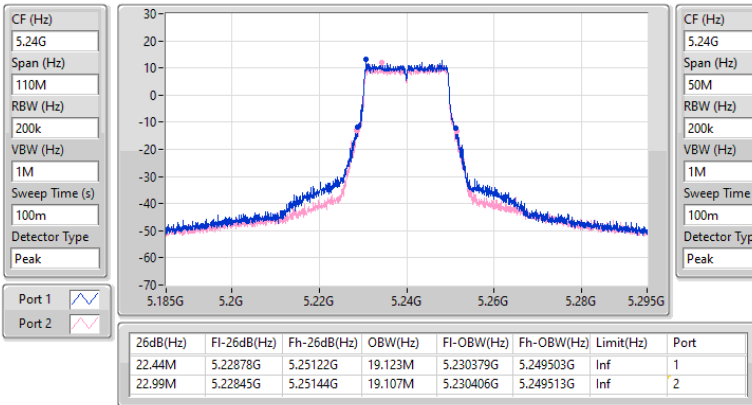

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5200MHz

24/01/2025

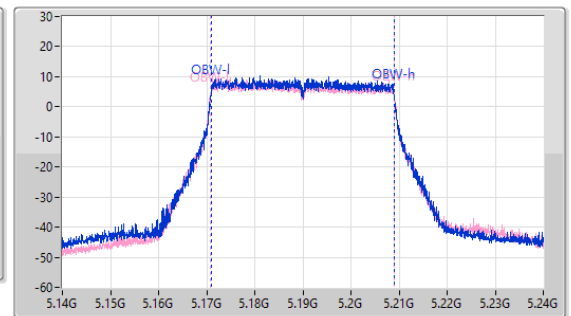
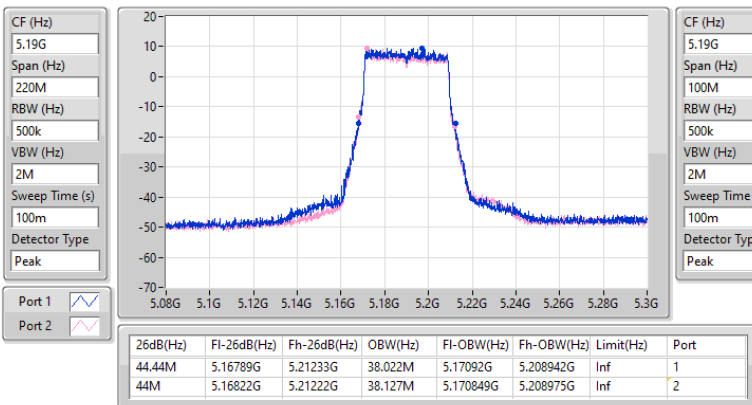


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5240MHz

24/01/2025

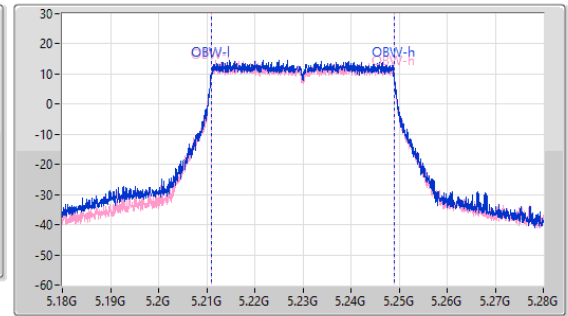
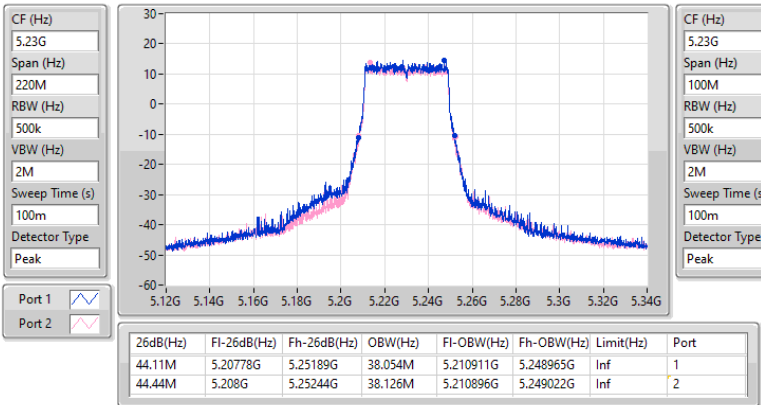

5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5190MHz

24/01/2025

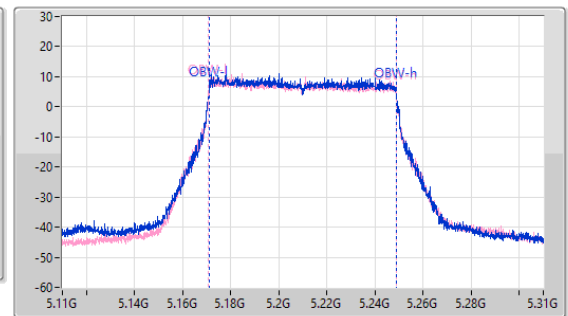
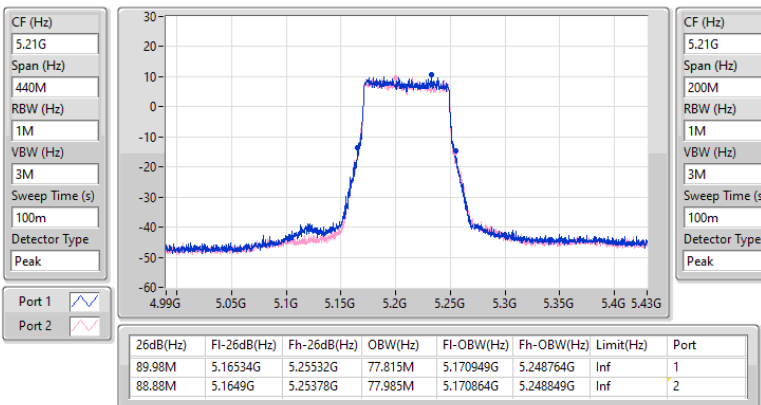


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5230MHz

24/01/2025

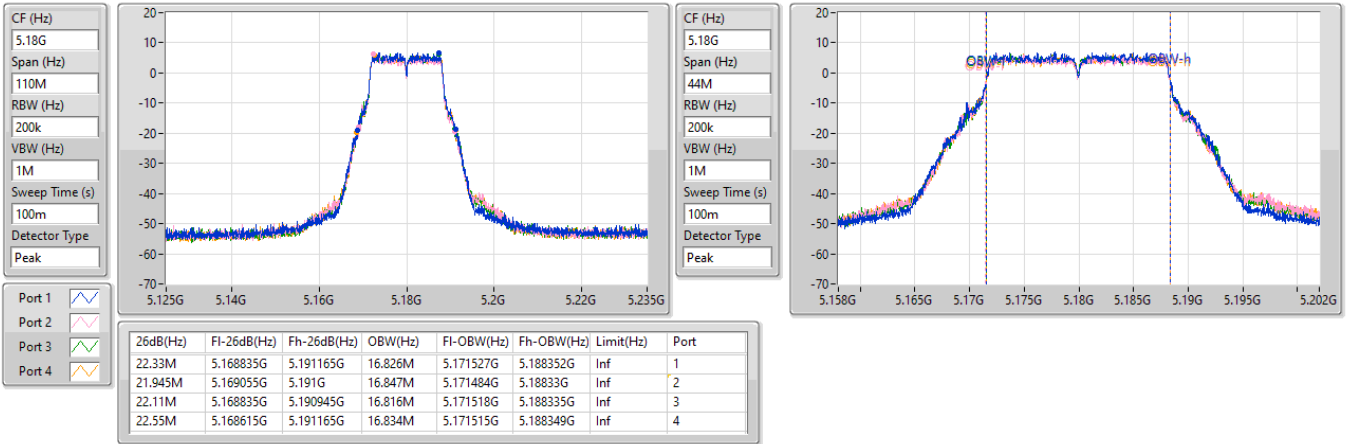

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

24/01/2025

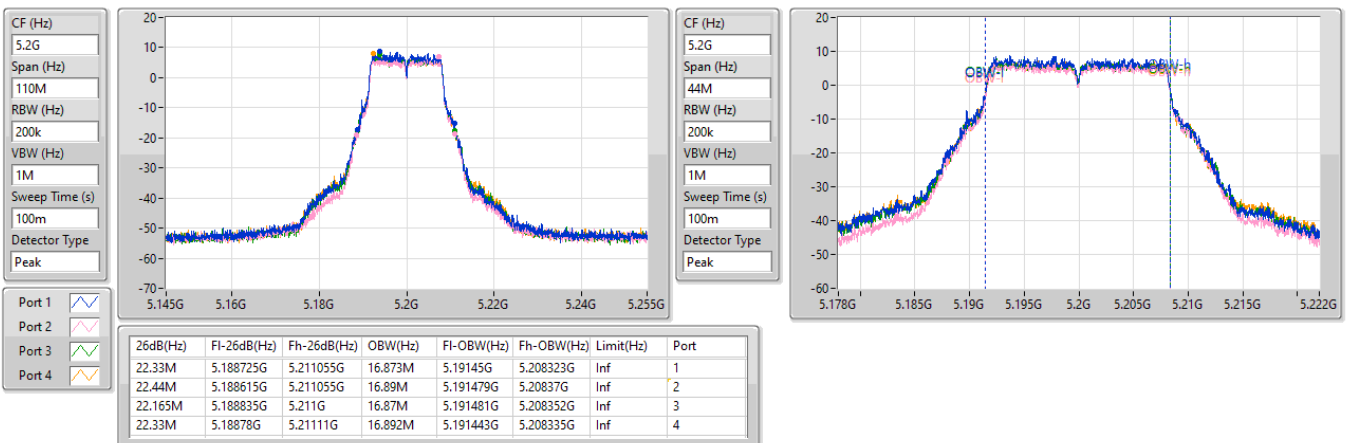


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5180MHz

24/01/2025

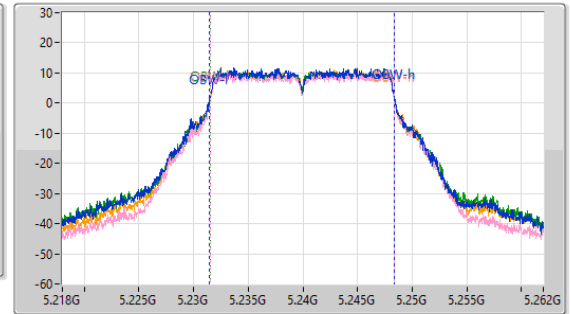
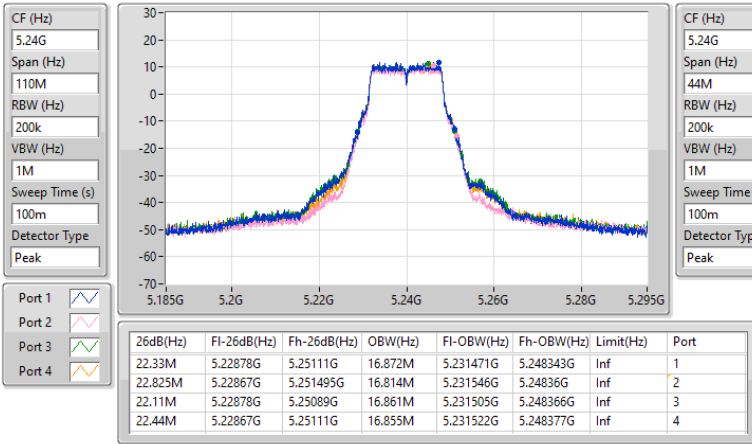

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5200MHz

24/01/2025

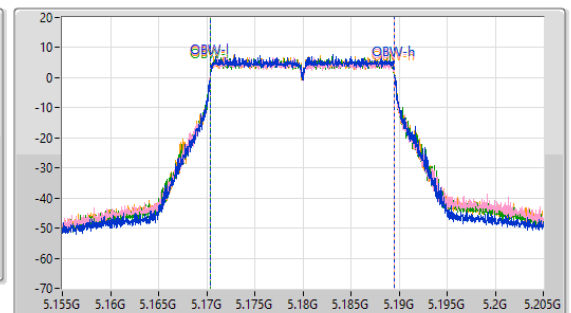
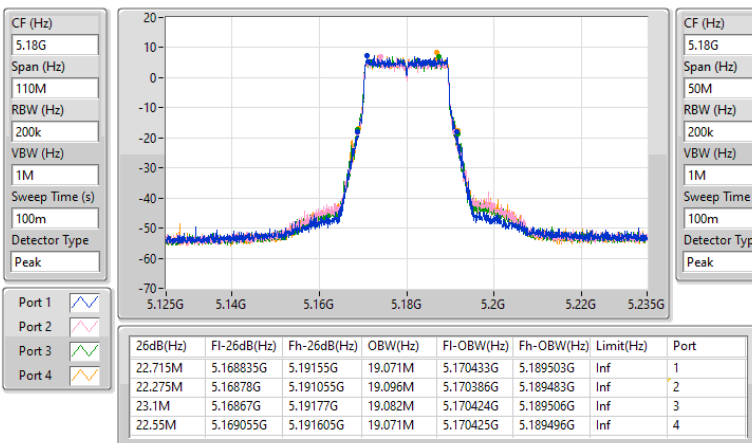


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX
EBW
5240MHz

24/01/2025

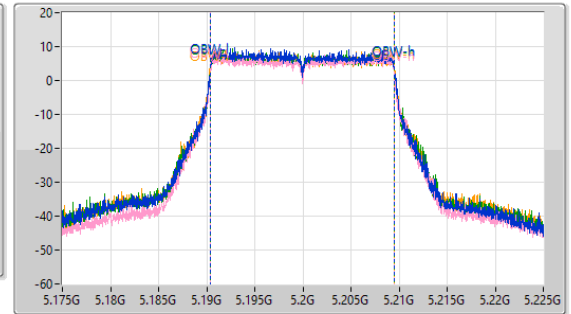
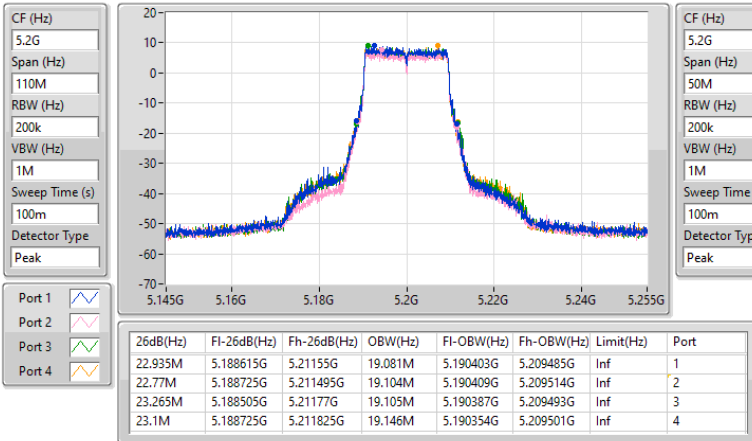

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5180MHz

24/01/2025

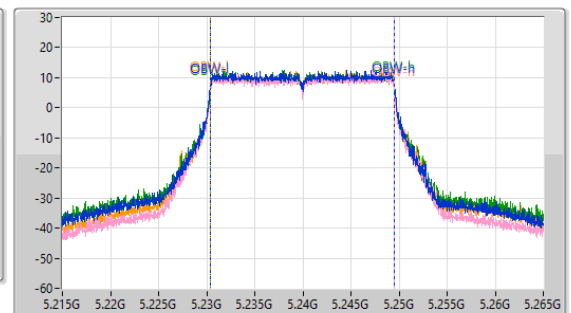
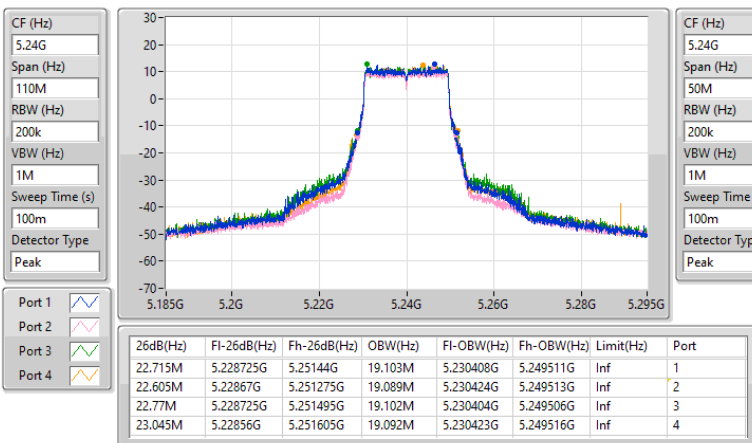


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5200MHz

24/01/2025

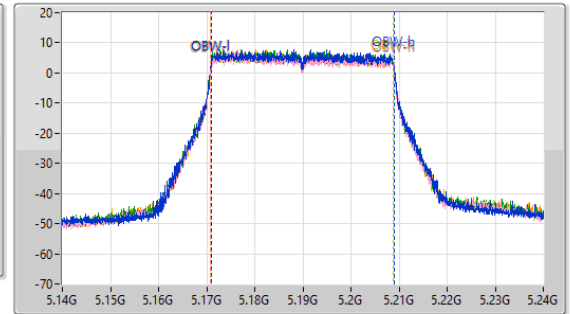
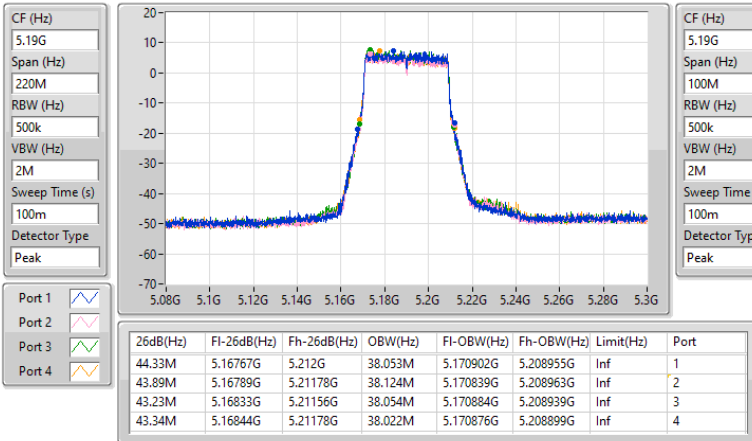

5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX
EBW
5240MHz

24/01/2025

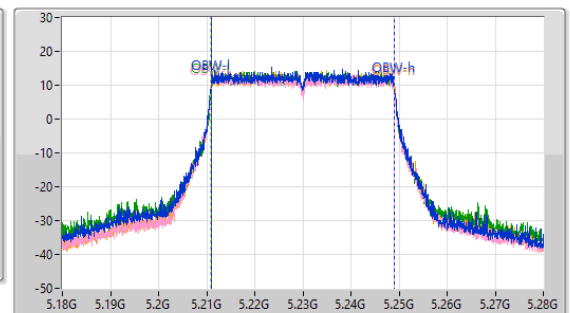
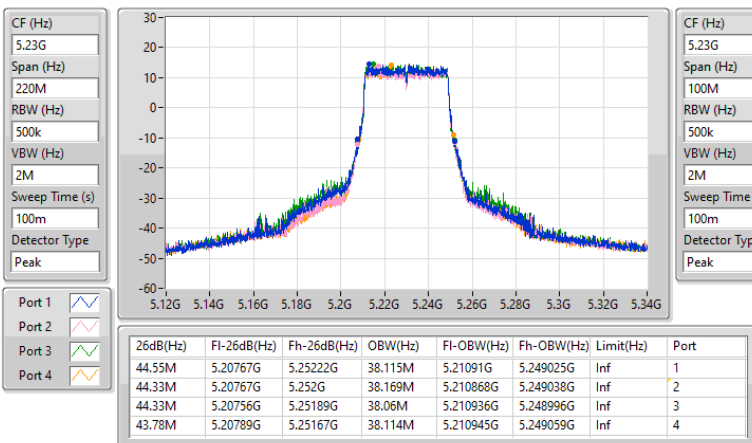


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX
EBW
5190MHz

24/01/2025


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

24/01/2025

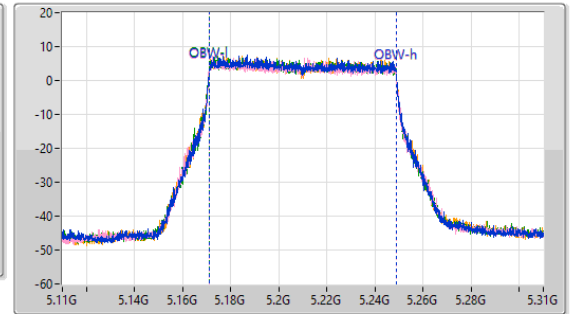
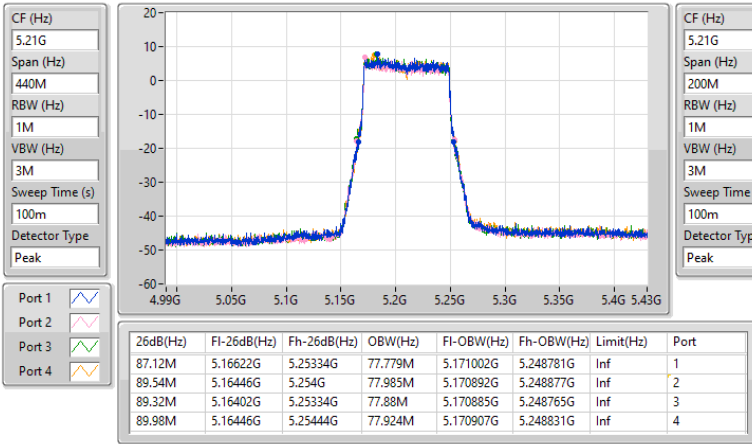


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

24/01/2025



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	21.79	0.15101
802.11ax HEW20_Nss1,(MCS0)_1TX	21.83	0.15241
802.11ax HEW40_Nss1,(MCS0)_1TX	20.42	0.11015
802.11ax HEW80_Nss1,(MCS0)_1TX	16.41	0.04375

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-
5180MHz	Pass	4.90	18.85	18.85	30.00
5200MHz	Pass	4.90	21.79	21.79	30.00
5240MHz	Pass	4.90	21.70	21.70	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.90	18.25	18.25	30.00
5200MHz	Pass	4.90	21.21	21.21	30.00
5240MHz	Pass	4.90	21.83	21.83	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.90	16.94	16.94	30.00
5230MHz	Pass	4.90	20.42	20.42	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.90	16.41	16.41	30.00

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)_1TX	21.92	0.15560
802.11a_Nss1,(6Mbps)_2TX	24.63	0.29040
802.11a_Nss1,(6Mbps)_4TX	23.04	0.20137
802.11be EHT20_Nss1,(MCS0)_1TX	22.04	0.15996
802.11be EHT20_Nss1,(MCS0)_2TX	24.73	0.29717
802.11be EHT20_Nss1,(MCS0)_4TX	23.66	0.23227
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.73	0.29717
802.11be EHT20-BF_Nss1,(MCS0)_4TX	22.52	0.17865
802.11be EHT40_Nss1,(MCS0)_1TX	21.77	0.15031
802.11be EHT40_Nss1,(MCS0)_2TX	24.67	0.29309
802.11be EHT40_Nss1,(MCS0)_4TX	24.53	0.28379
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.67	0.29309
802.11be EHT40-BF_Nss1,(MCS0)_4TX	22.88	0.19409
802.11be EHT80_Nss1,(MCS0)_1TX	18.53	0.07129
802.11be EHT80_Nss1,(MCS0)_2TX	19.93	0.09840
802.11be EHT80_Nss1,(MCS0)_4TX	17.13	0.05164
802.11be EHT80-BF_Nss1,(MCS0)_2TX	19.93	0.09840
802.11be EHT80-BF_Nss1,(MCS0)_4TX	17.13	0.05164

**Result**

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	21.23				21.23	25.60
5200MHz	Pass	10.40	21.92				21.92	25.60
5240MHz	Pass	10.40	21.44				21.44	25.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	20.41				20.41	25.60
5200MHz	Pass	10.40	22.04				22.04	25.60
5240MHz	Pass	10.40	21.60				21.60	25.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	18.22				18.22	25.60
5230MHz	Pass	10.40	21.77				21.77	25.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	18.53				18.53	25.60
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	21.05	20.45			23.77	25.60
5200MHz	Pass	10.40	21.90	21.31			24.63	25.60
5240MHz	Pass	10.40	21.52	21.17			24.36	25.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	20.17	19.68			22.94	25.60
5200MHz	Pass	10.40	21.99	21.44			24.73	25.60
5240MHz	Pass	10.40	21.66	21.30			24.49	25.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	17.74	17.14			20.46	25.60
5230MHz	Pass	10.40	21.82	21.49			24.67	25.60
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	17.19	16.63			19.93	25.60
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	16.09	15.35	15.99	15.31	21.72	25.60
5200MHz	Pass	10.40	17.34	16.76	17.16	16.81	23.04	25.60
5240MHz	Pass	10.40	17.08	16.51	17.02	16.47	22.80	25.60
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	15.49	14.66	15.20	14.34	20.97	25.60
5200MHz	Pass	10.40	17.95	17.28	17.77	17.51	23.66	25.60
5240MHz	Pass	10.40	17.75	17.12	17.75	17.11	23.46	25.60
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	12.56	11.87	12.49	11.77	18.21	25.60
5230MHz	Pass	10.40	18.80	18.17	18.65	18.40	24.53	25.60
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	11.45	10.84	11.32	10.77	17.13	25.60
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	20.17	19.68			22.94	25.60
5200MHz	Pass	10.40	21.99	21.44			24.73	25.60
5240MHz	Pass	10.40	21.66	21.30			24.49	25.60
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	17.74	17.14			20.46	25.60
5230MHz	Pass	10.40	21.82	21.49			24.67	25.60
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	17.19	16.63			19.93	25.60
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02	15.49	14.66	15.20	14.34	20.97	22.98
5200MHz	Pass	13.02	16.77	16.24	16.56	16.39	22.52	22.98
5240MHz	Pass	13.02	16.65	16.22	16.45	16.46	22.47	22.98
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.02	12.56	11.87	12.49	11.77	18.21	22.98
5230MHz	Pass	13.02	17.13	16.64	16.80	16.84	22.88	22.98



Average Power_R3

Appendix C.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	11.45	10.84	11.32	10.77	17.13	22.98

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)_1TX	21.90	0.15488
802.11a_Nss1,(6Mbps)_2TX	24.71	0.29580
802.11a_Nss1,(6Mbps)_4TX	24.08	0.25586
802.11be EHT20_Nss1,(MCS0)_1TX	22.02	0.15922
802.11be EHT20_Nss1,(MCS0)_2TX	24.79	0.30130
802.11be EHT20_Nss1,(MCS0)_4TX	24.22	0.26424
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.79	0.30130
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.59	0.22856
802.11be EHT40_Nss1,(MCS0)_1TX	21.68	0.14723
802.11be EHT40_Nss1,(MCS0)_2TX	24.07	0.25527
802.11be EHT40_Nss1,(MCS0)_4TX	24.45	0.27861
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.07	0.25527
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.58	0.22803
802.11be EHT80_Nss1,(MCS0)_1TX	17.35	0.05433
802.11be EHT80_Nss1,(MCS0)_2TX	19.04	0.08017
802.11be EHT80_Nss1,(MCS0)_4TX	19.10	0.08128
802.11be EHT80-BF_Nss1,(MCS0)_2TX	19.04	0.08017
802.11be EHT80-BF_Nss1,(MCS0)_4TX	19.10	0.08128

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	21.59				21.59	26.60
5200MHz	Pass	9.40	21.9				21.90	26.60
5240MHz	Pass	9.40	20.81				20.81	26.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	21.21				21.21	26.60
5200MHz	Pass	9.40	22.02				22.02	26.60
5240MHz	Pass	9.40	20.74				20.74	26.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	18.32				18.32	26.60
5230MHz	Pass	9.40	21.68				21.68	26.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	17.35				17.35	26.60
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	20.7	19.65			23.22	26.60
5200MHz	Pass	9.40	22.34	20.95			24.71	26.60
5240MHz	Pass	9.40	20.83	20.18			23.53	26.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	20.37	19.31			22.88	26.60
5200MHz	Pass	9.40	22.45	20.99			24.79	26.60
5240MHz	Pass	9.40	20.92	20.29			23.63	26.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	17.21	16.13			19.71	26.60
5230MHz	Pass	9.40	21.62	20.42			24.07	26.60
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	16.5	15.5			19.04	26.60
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	18.03	17	17.76	17.19	23.54	26.60
5200MHz	Pass	9.40	18.74	17.34	18.16	17.87	24.08	26.60
5240MHz	Pass	9.40	17.83	17.22	17.58	17.63	23.59	26.60
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	17.09	16.31	16.76	16.55	22.71	26.60
5200MHz	Pass	9.40	18.85	17.44	18.26	17.97	24.18	26.60
5240MHz	Pass	9.40	18.46	17.85	18.34	18.13	24.22	26.60
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	14.01	12.76	13.64	13.19	19.45	26.60
5230MHz	Pass	9.40	18.89	18.03	18.58	18.18	24.45	26.60
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	13.51	12.77	13.11	12.91	19.10	26.60
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	20.37	19.31			22.88	26.60
5200MHz	Pass	9.40	22.45	20.99			24.79	26.60
5240MHz	Pass	9.40	20.92	20.29			23.63	26.60
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	17.21	16.13			19.71	26.60
5230MHz	Pass	9.40	21.62	20.42			24.07	26.60
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	16.5	15.5			19.04	26.60
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.19	17.09	16.31	16.76	16.55	22.71	23.81
5200MHz	Pass	12.19	18.21	16.76	17.87	17.30	23.59	23.81
5240MHz	Pass	12.19	17.55	16.92	17.50	17.34	23.36	23.81
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.19	14.01	12.76	13.64	13.19	19.45	23.81
5230MHz	Pass	12.19	18.03	17.10	17.66	17.38	23.58	23.81



Average Power_R5 (Internal Ant.)

Appendix C.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	13.51	12.77	13.11	12.91	19.10	23.81

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)_1TX	22.48	0.17701
802.11a_Nss1,(6Mbps)_2TX	24.82	0.30339
802.11a_Nss1,(6Mbps)_4TX	23.82	0.24099
802.11be EHT20_Nss1,(MCS0)_1TX	22.47	0.17660
802.11be EHT20_Nss1,(MCS0)_2TX	24.96	0.31333
802.11be EHT20_Nss1,(MCS0)_4TX	23.96	0.24889
802.11be EHT20-BF_Nss1,(MCS0)_2TX	24.98	0.31477
802.11be EHT20-BF_Nss1,(MCS0)_4TX	23.51	0.22439
802.11be EHT40_Nss1,(MCS0)_1TX	22.17	0.16482
802.11be EHT40_Nss1,(MCS0)_2TX	24.67	0.29309
802.11be EHT40_Nss1,(MCS0)_4TX	23.67	0.23281
802.11be EHT40-BF_Nss1,(MCS0)_2TX	24.73	0.29717
802.11be EHT40-BF_Nss1,(MCS0)_4TX	23.21	0.20941
802.11be EHT80_Nss1,(MCS0)_1TX	18.16	0.06546
802.11be EHT80_Nss1,(MCS0)_2TX	19.91	0.09795
802.11be EHT80_Nss1,(MCS0)_4TX	19.75	0.09441
802.11be EHT80-BF_Nss1,(MCS0)_2TX	19.90	0.09772
802.11be EHT80-BF_Nss1,(MCS0)_4TX	19.68	0.09290



Average Power_R5 (External Ant.)

Appendix C.4

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	22.48				22.48	28.49
5200MHz	Pass	7.51	22.40				22.40	28.49
5240MHz	Pass	7.51	22.04				22.04	28.49
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	22.09				22.09	28.49
5200MHz	Pass	7.51	22.47				22.47	28.49
5240MHz	Pass	7.51	22.14				22.14	28.49
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51	18.96				18.96	28.49
5230MHz	Pass	7.51	22.17				22.17	28.49
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	18.16				18.16	28.49
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	21.53	20.69			24.14	28.49
5200MHz	Pass	7.51	22.42	21.10			24.82	28.49
5240MHz	Pass	7.51	22.03	21.09			24.60	28.49
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	21.15	20.38			23.79	28.49
5200MHz	Pass	7.51	22.52	21.29			24.96	28.49
5240MHz	Pass	7.51	22.14	21.23			24.72	28.49
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51	17.32	16.56			19.97	28.49
5230MHz	Pass	7.51	22.07	21.20			24.67	28.49
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	17.20	16.57			19.91	28.49
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	17.56	16.71	17.19	17.15	23.18	28.49
5200MHz	Pass	7.51	18.41	17.05	17.82	17.82	23.82	28.49
5240MHz	Pass	7.51	17.47	16.39	17.18	17.12	23.08	28.49
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	17.09	16.62	16.91	16.97	22.92	28.49
5200MHz	Pass	7.51	18.61	17.23	17.91	17.89	23.96	28.49
5240MHz	Pass	7.51	17.69	16.64	17.42	17.31	23.30	28.49
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51	15.26	14.26	15.02	14.67	20.84	28.49
5230MHz	Pass	7.51	17.98	17.15	17.89	17.53	23.67	28.49
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	14.08	13.33	13.79	13.69	19.75	28.49
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	20.85	20.40			23.64	26.78
5200MHz	Pass	9.22	22.57	21.28			24.98	26.78
5240MHz	Pass	9.22	22.06	21.21			24.67	26.78
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22	17.38	16.49			19.97	26.78
5230MHz	Pass	9.22	22.24	21.12			24.73	26.78
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	17.18	16.58			19.90	26.78
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23	17.24	16.55	16.88	16.77	22.89	23.77
5200MHz	Pass	12.23	18.05	16.74	17.56	17.50	23.51	23.77
5240MHz	Pass	12.23	17.56	16.48	17.30	17.20	23.17	23.77
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.23	15.06	14.63	15.02	14.80	20.90	23.77
5230MHz	Pass	12.23	17.63	16.48	17.36	17.22	23.21	23.77



Average Power_R5 (External Ant.)

Appendix C.4

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	13.98	13.29	13.68	13.65	19.68	23.77

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

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	9.05
802.11ax HEW20_Nss1,(MCS0)_1TX	8.51
802.11ax HEW40_Nss1,(MCS0)_1TX	4.25
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.90

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	4.90	6.13	6.13	17.00
5200MHz	Pass	4.90	9.05	9.05	17.00
5240MHz	Pass	4.90	9.05	9.05	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.90	4.78	4.78	17.00
5200MHz	Pass	4.90	7.71	7.71	17.00
5240MHz	Pass	4.90	8.51	8.51	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.90	0.70	0.70	17.00
5230MHz	Pass	4.90	4.25	4.25	17.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-
5210MHz	Pass	4.90	-2.90	-2.90	17.00

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

21/12/2024

CF (Hz)
5.18G

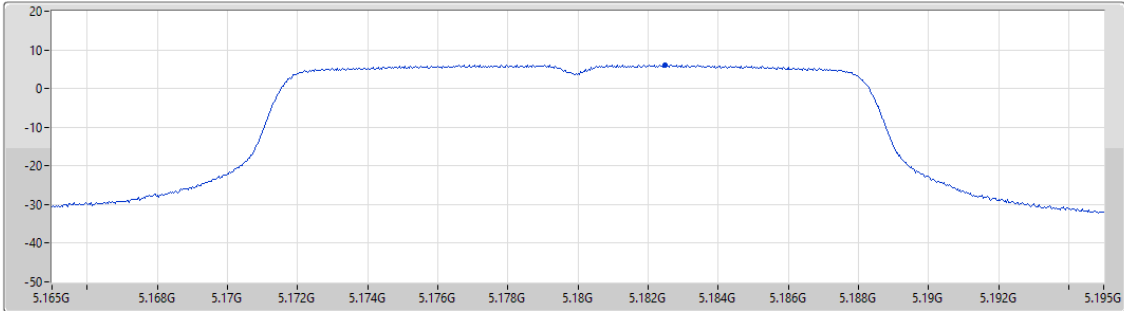
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.446

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.13	6.13	6.13

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

PSD

5200MHz

21/12/2024

CF (Hz)
5.2G

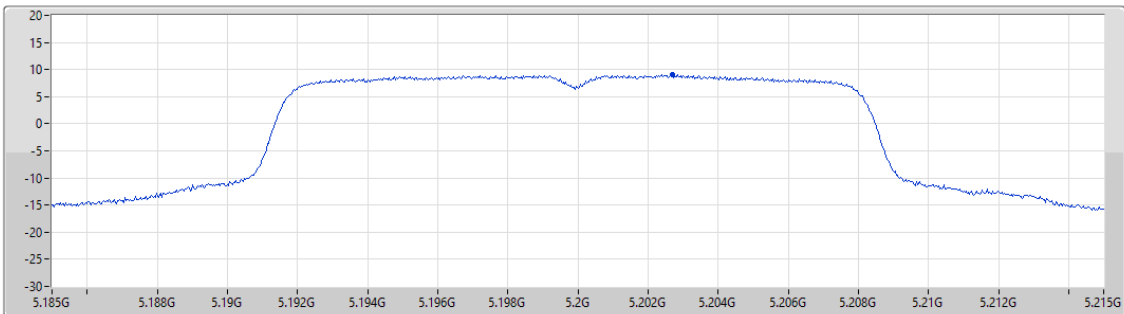
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.446

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.05	9.05	9.05

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

PSD

5240MHz

21/12/2024

CF (Hz)
5.24G

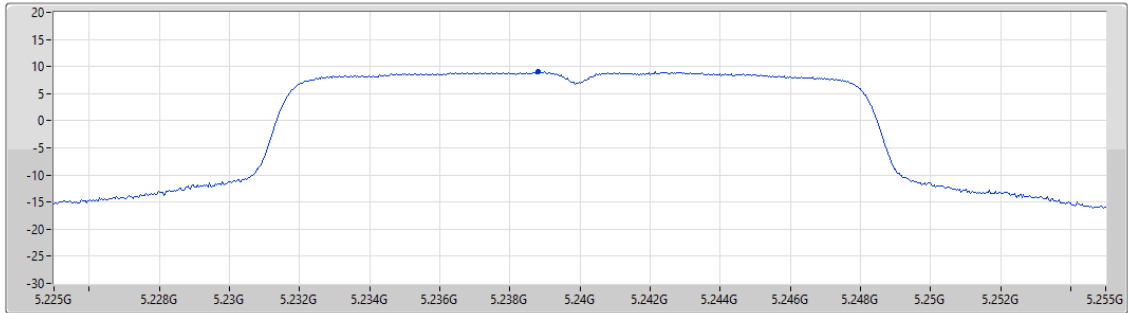
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20.446

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.05	9.05	9.05

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

PSD

5180MHz

21/12/2024

CF (Hz)
5.18G

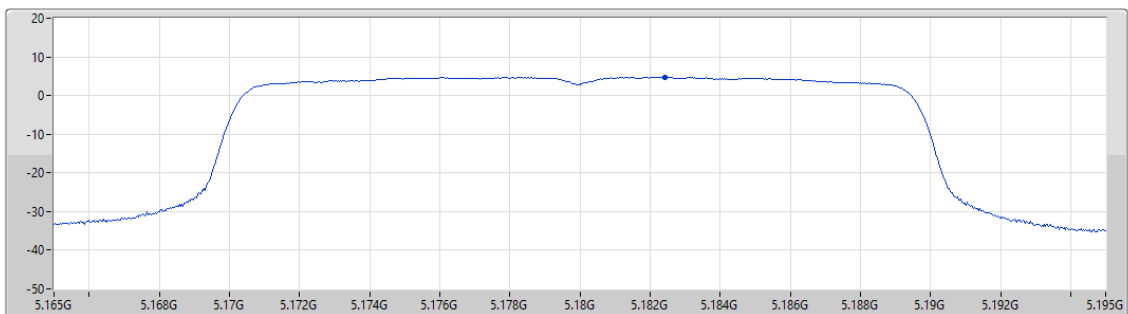
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

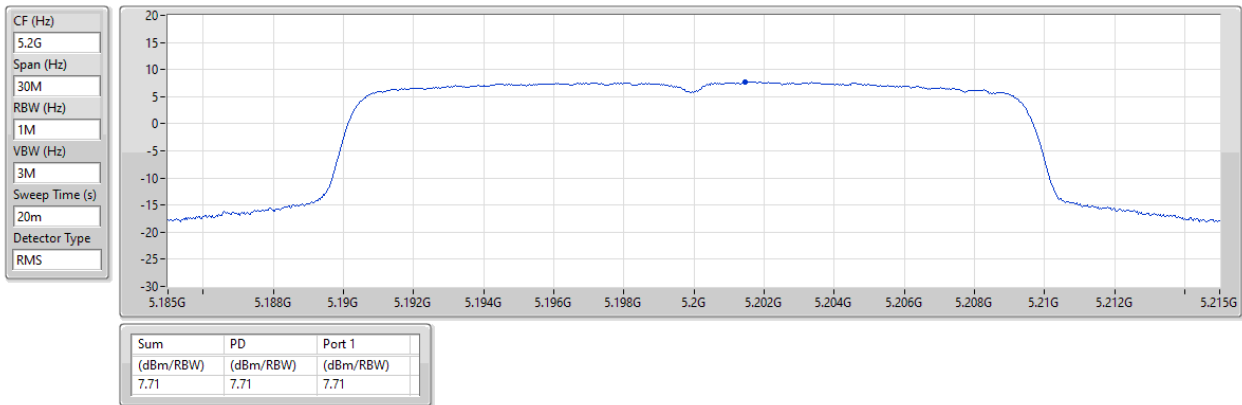
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.78	4.78	4.78

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

PSD

5200MHz

21/12/2024

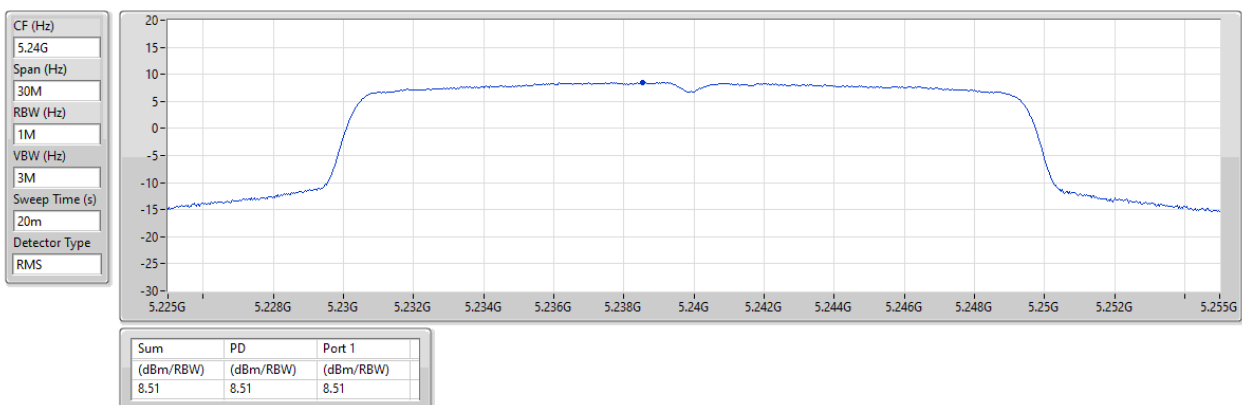


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

21/12/2024



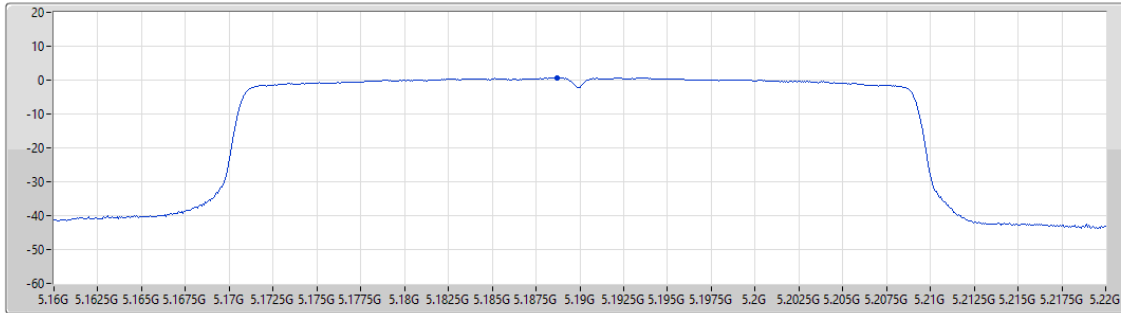
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

21/12/2024

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.70	0.70	0.70

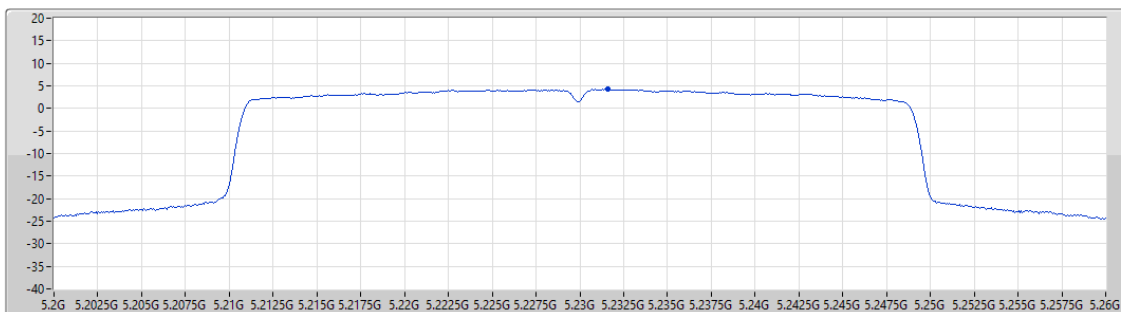
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

21/12/2024

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Port 1

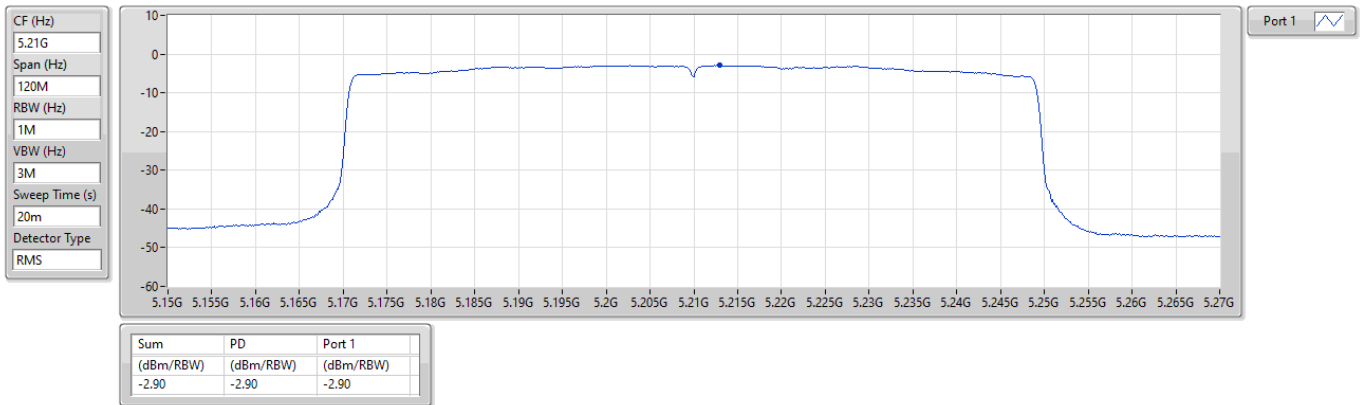
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.25	4.25	4.25

5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_1TX

PSD

5210MHz

21/12/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.67
802.11a_Nss1,(6Mbps)_2TX	11.41
802.11a_Nss1,(6Mbps)_4TX	9.59
802.11be EHT20_Nss1,(MCS0)_1TX	8.09
802.11be EHT20_Nss1,(MCS0)_2TX	10.86
802.11be EHT20_Nss1,(MCS0)_4TX	9.58
802.11be EHT40_Nss1,(MCS0)_1TX	4.98
802.11be EHT40_Nss1,(MCS0)_2TX	7.74
802.11be EHT40_Nss1,(MCS0)_4TX	7.57
802.11be EHT80_Nss1,(MCS0)_1TX	-1.65
802.11be EHT80_Nss1,(MCS0)_2TX	-0.12
802.11be EHT80_Nss1,(MCS0)_4TX	-2.87

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	7.90				7.90	12.60
5200MHz	Pass	10.40	8.67				8.67	12.60
5240MHz	Pass	10.40	8.29				8.29	12.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	6.44				6.44	12.60
5200MHz	Pass	10.40	8.09				8.09	12.60
5240MHz	Pass	10.40	7.80				7.80	12.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	1.39				1.39	12.60
5230MHz	Pass	10.40	4.98				4.98	12.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-1.65				-1.65	12.60
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	7.96	7.30			10.60	12.60
5200MHz	Pass	10.40	8.61	8.24			11.41	12.60
5240MHz	Pass	10.40	8.34	8.08			11.22	12.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	6.37	5.86			9.13	12.60
5200MHz	Pass	10.40	8.07	7.68			10.86	12.60
5240MHz	Pass	10.40	7.89	7.49			10.67	12.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	0.74	0.48			3.60	12.60
5230MHz	Pass	10.40	4.91	4.68			7.74	12.60
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-2.81	-3.17			-0.12	12.60
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02	2.75	2.03	2.86	2.07	8.39	9.98
5200MHz	Pass	13.02	3.97	3.51	3.74	3.26	9.59	9.98
5240MHz	Pass	13.02	3.71	3.14	3.74	3.18	9.40	9.98
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02	1.45	0.69	1.37	0.38	6.99	9.98
5200MHz	Pass	13.02	3.93	3.38	3.70	3.26	9.58	9.98
5240MHz	Pass	13.02	3.71	3.12	3.86	3.28	9.47	9.98
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.02	-4.54	-4.96	-4.42	-5.25	1.21	9.98
5230MHz	Pass	13.02	1.77	1.12	1.93	1.58	7.57	9.98
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	-8.53	-9.23	-8.20	-9.28	-2.87	9.98

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

18/12/2024

CF (Hz)
5.18G

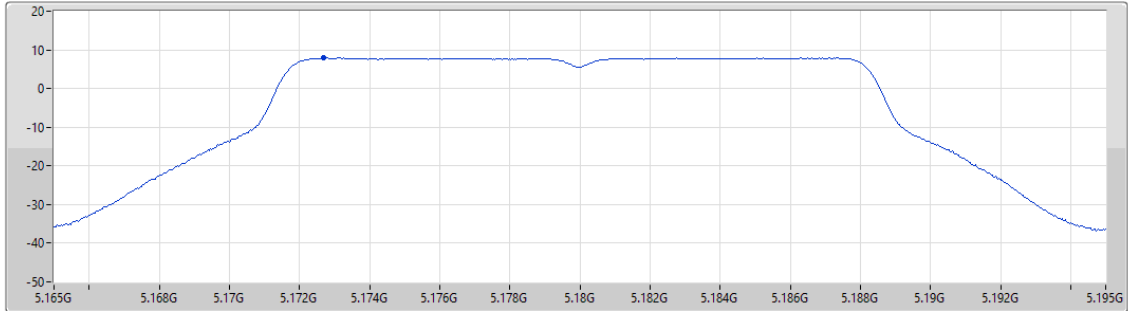
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
7.90	7.90	7.90

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

PSD

5200MHz

27/12/2024

CF (Hz)
5.2G

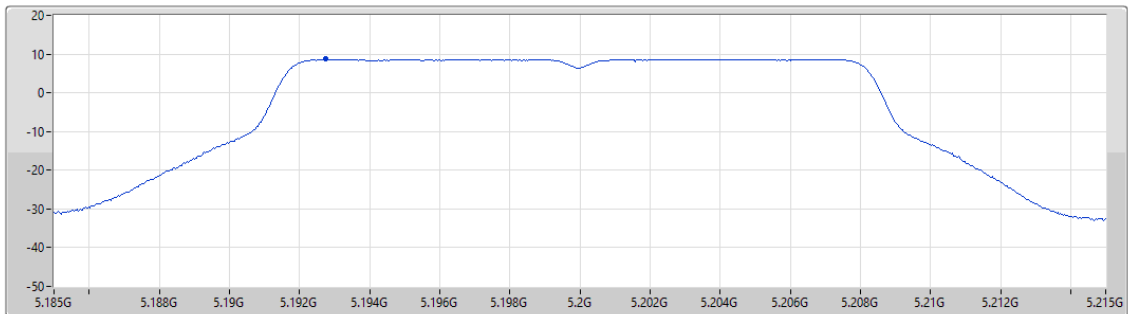
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
8.67	8.67	8.67

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

PSD

5240MHz

27/12/2024

CF (Hz)
5.24G

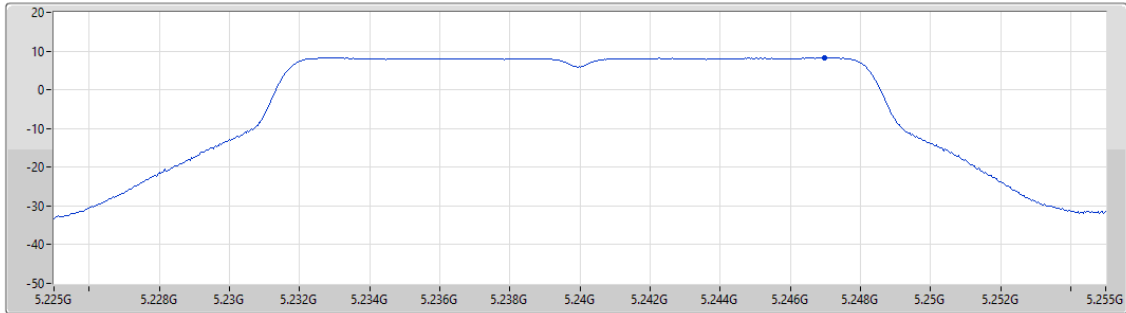
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
8.29	8.29	8.29

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

PSD

5180MHz

18/12/2024

CF (Hz)
5.18G

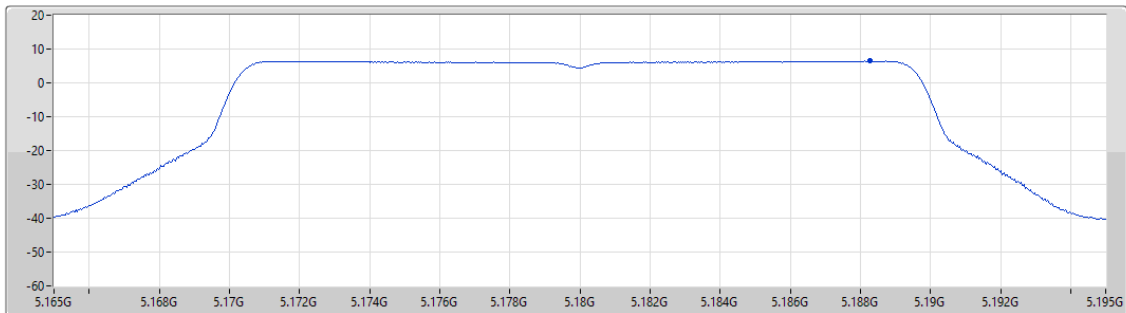
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)
6.44	6.44	6.44

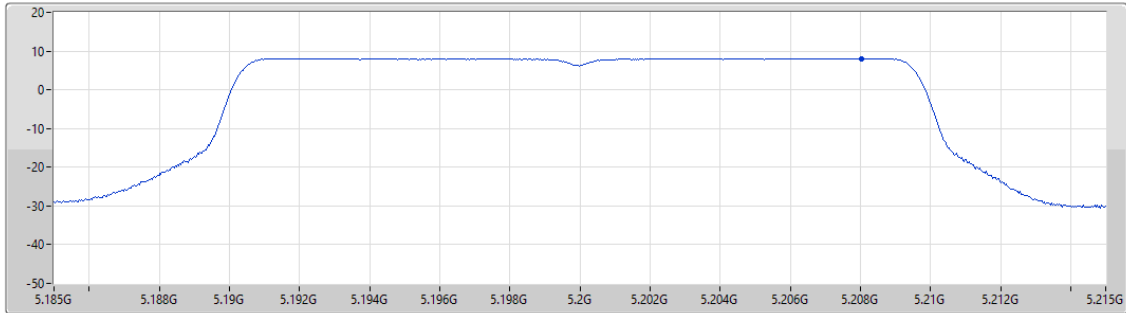
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

27/12/2024

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.09	8.09	8.09

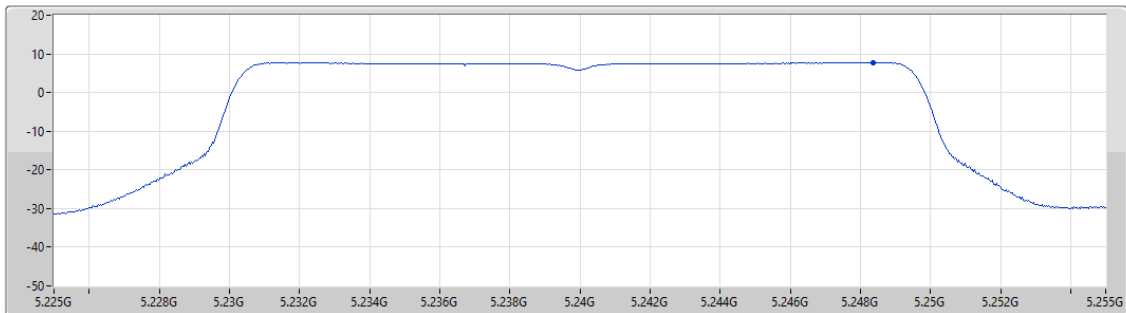
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

27/12/2024

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.80	7.80	7.80

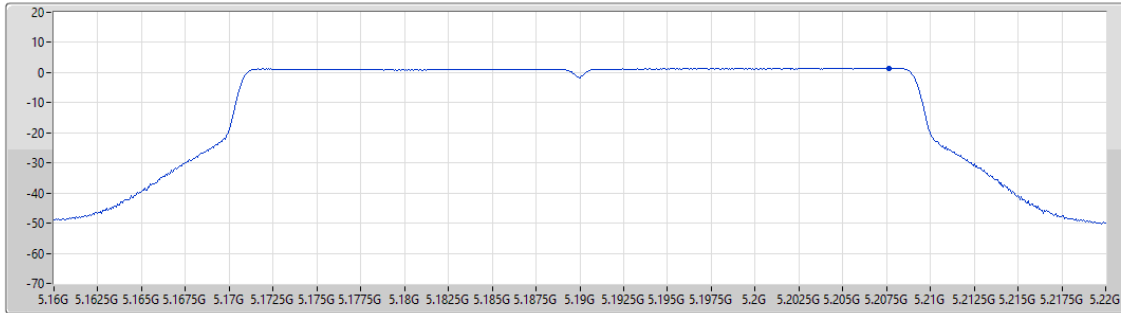
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

27/12/2024

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS



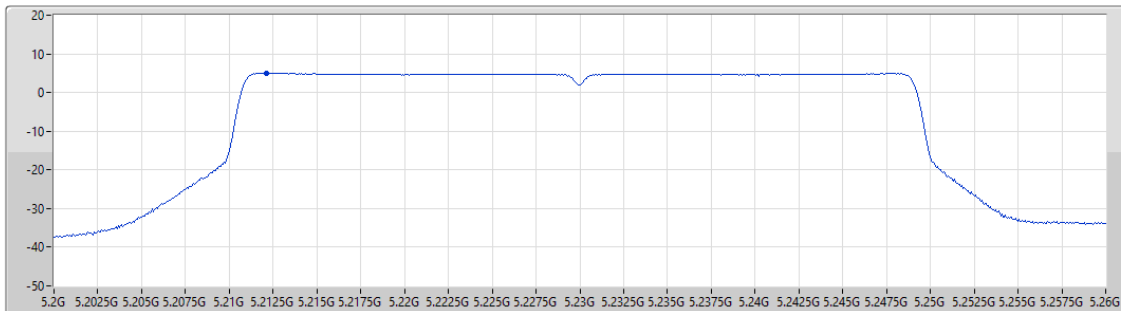
5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

27/12/2024

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS

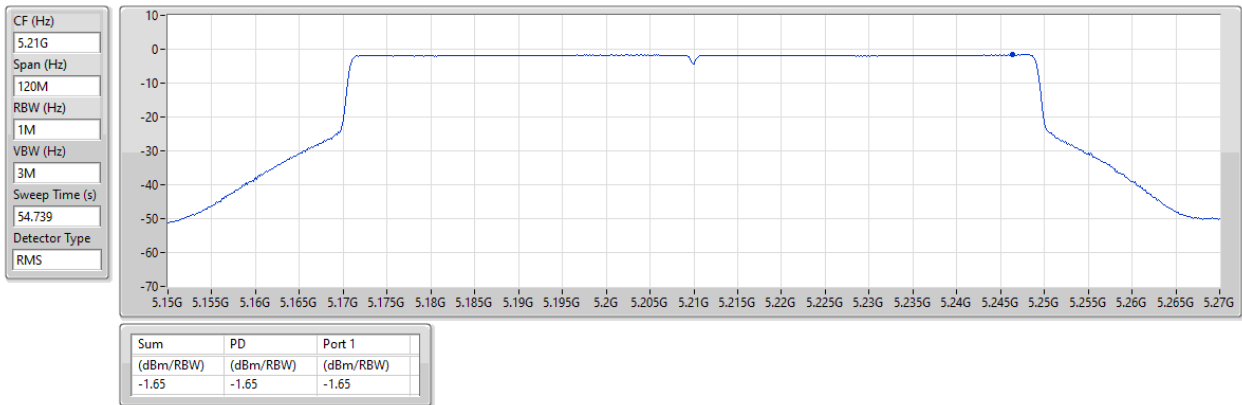


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

18/12/2024

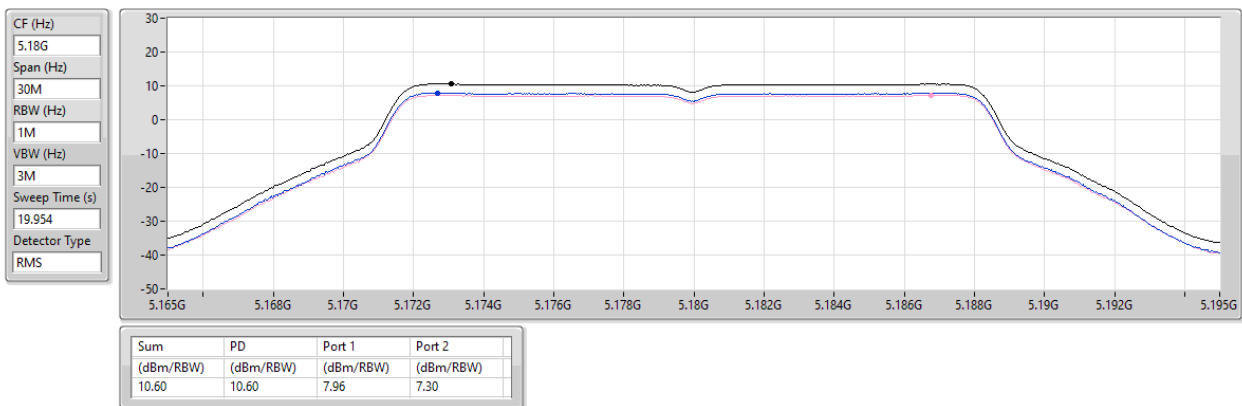


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

27/12/2024



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

PSD

5200MHz

27/12/2024

CF (Hz)
5.2G

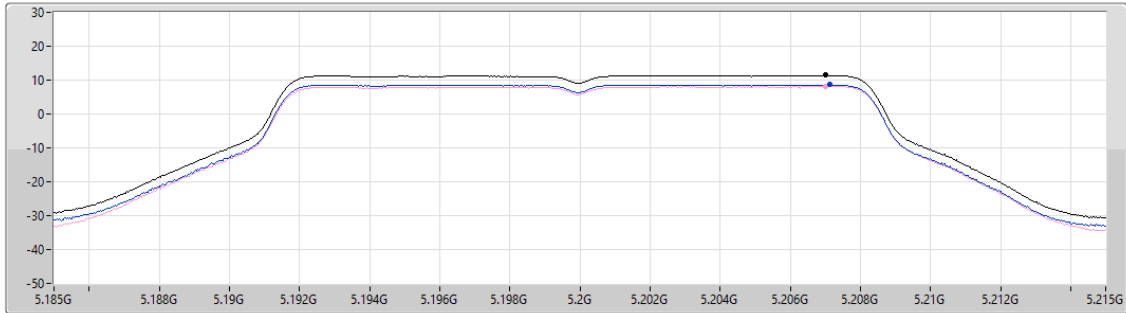
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.41	11.41	8.61	8.24

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

PSD

5240MHz

27/12/2024

CF (Hz)
5.24G

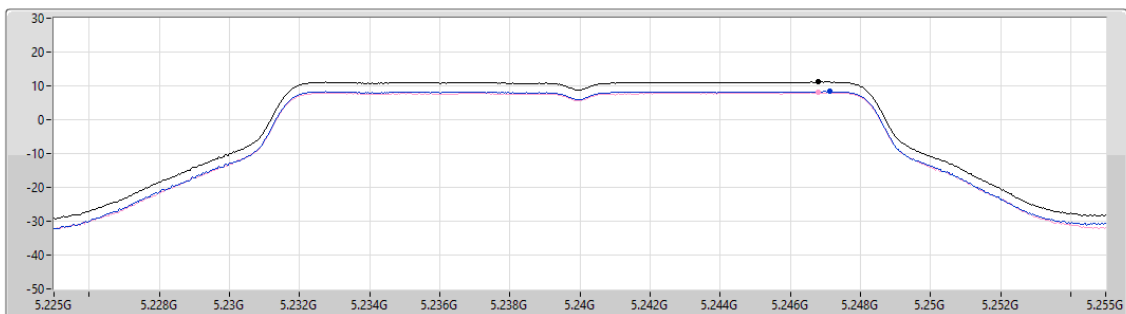
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.22	11.22	8.34	8.08

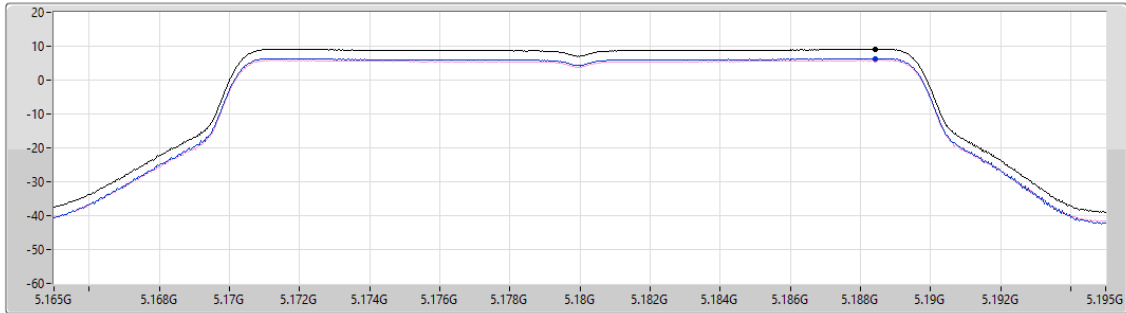
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

27/12/2024

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.13	9.13	6.37	5.86

Sum
Port 1
Port 2

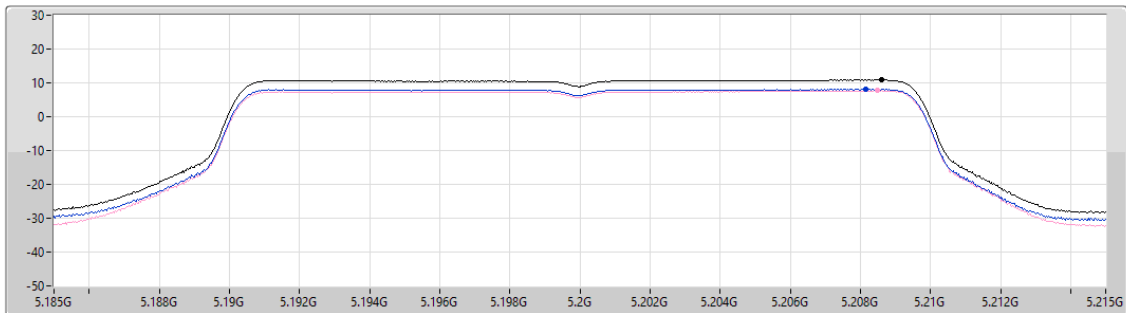
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5200MHz

27/12/2024

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
54.739
Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.86	10.86	8.07	7.68

Sum
Port 1
Port 2

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

PSD

5240MHz

27/12/2024

CF (Hz)
5.24G

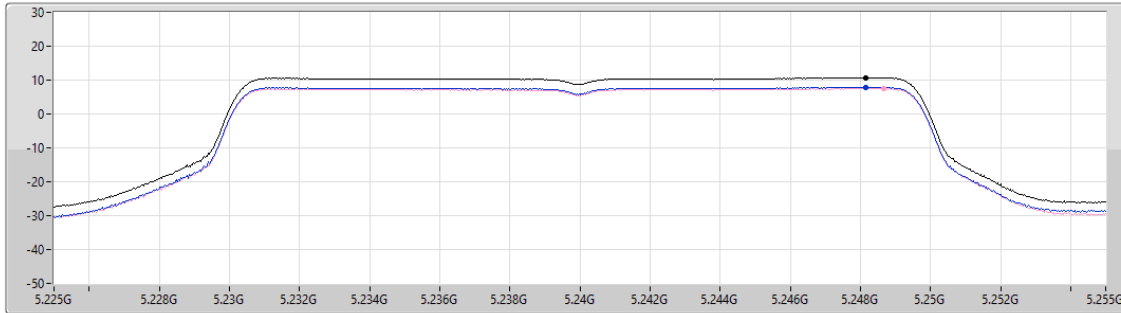
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
10.67	10.67	7.89	7.49

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

PSD

5190MHz

27/12/2024

CF (Hz)
5.19G

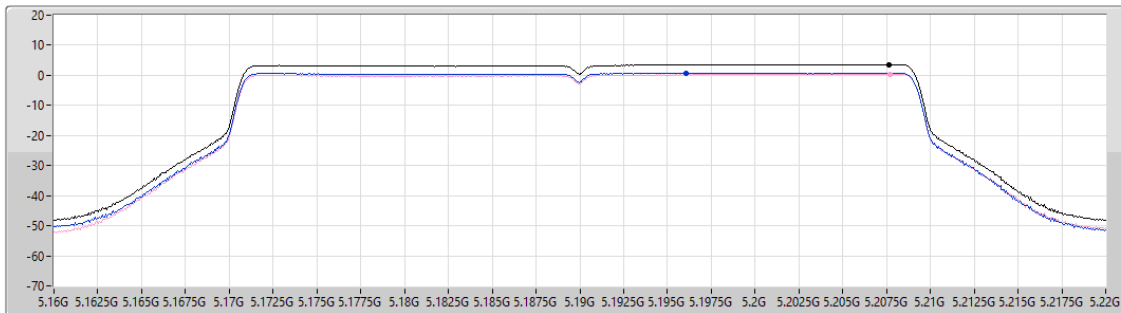
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
3.60	3.60	0.74	0.48

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

PSD

5230MHz

27/12/2024

CF (Hz)
5.23G

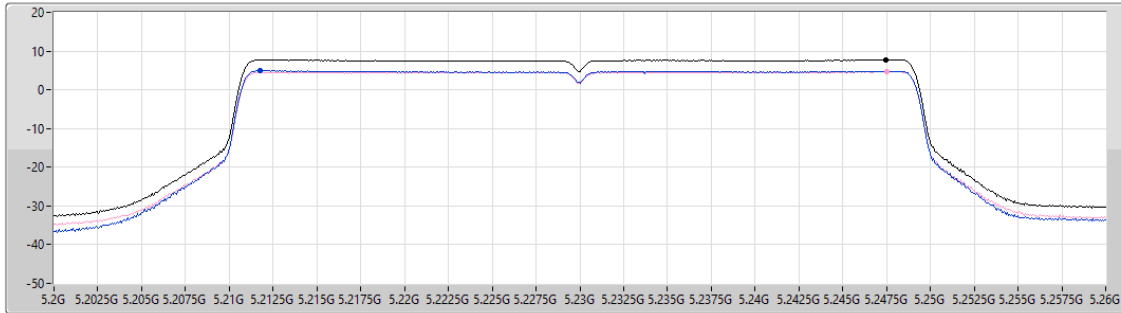
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
7.74	7.74	4.91	4.68

Sum 

Port 1 

Port 2 

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

PSD

5210MHz

27/12/2024

CF (Hz)
5.21G

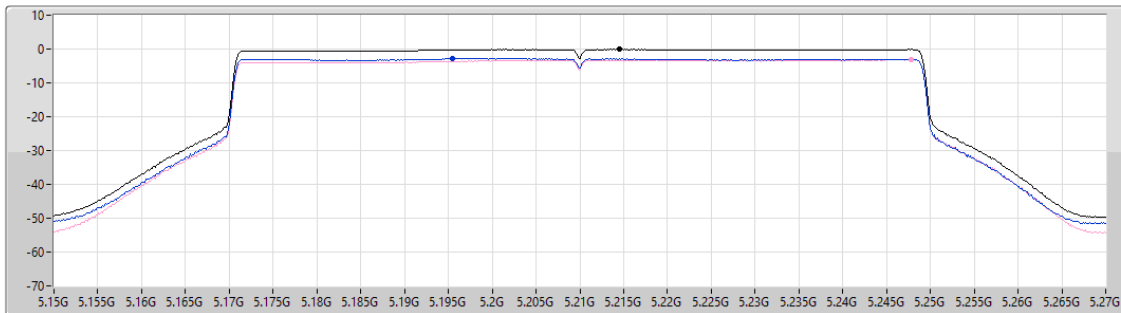
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
-0.12	-0.12	-2.81	-3.17

Sum 

Port 1 

Port 2 

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

PSD

5180MHz

20/12/2024

CF (Hz)
5.18G

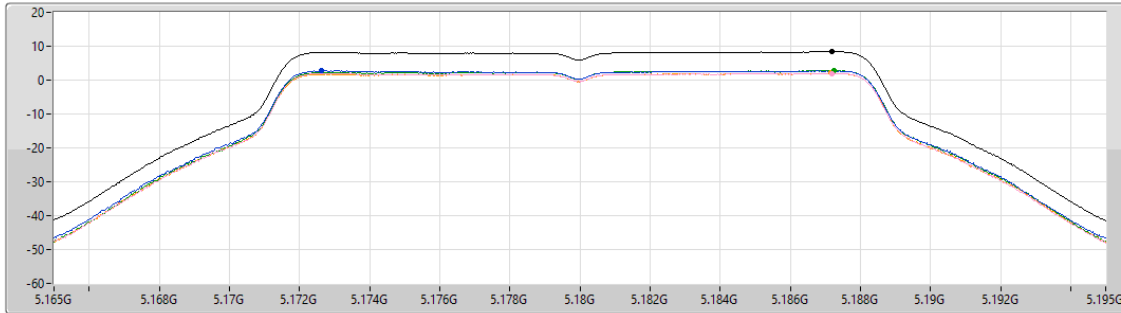
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.39	8.39	2.75	2.03	2.86	2.07

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

PSD

5200MHz

20/12/2024

CF (Hz)
5.2G

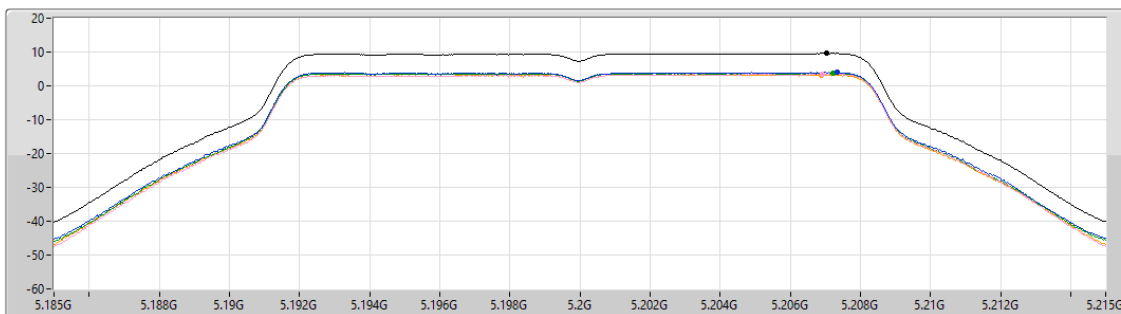
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.59	9.59	3.97	3.51	3.74	3.26

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

PSD

5240MHz

20/12/2024

CF (Hz)
5.24G

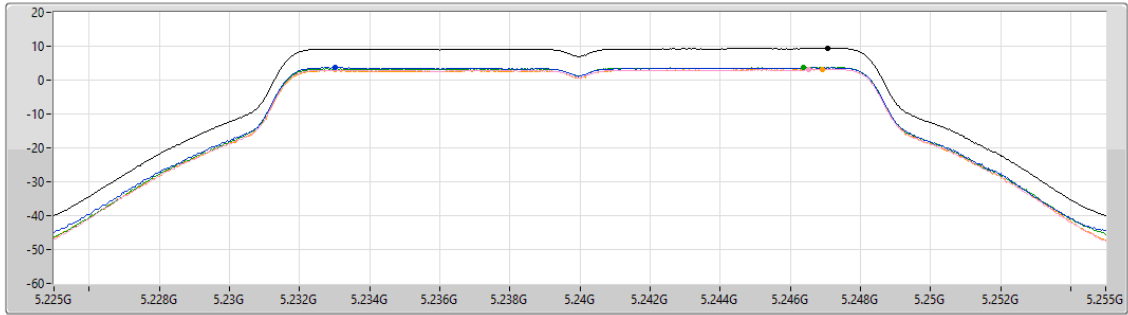
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
19.954

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.40	9.40	3.71	3.14	3.74	3.18

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

PSD

5180MHz

20/12/2024

CF (Hz)
5.18G

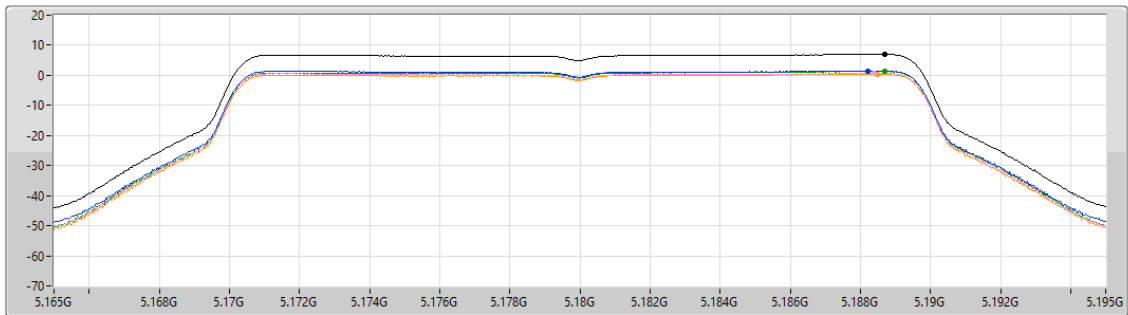
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.99	6.99	1.45	0.69	1.37	0.38

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

PSD

5200MHz

20/12/2024

CF (Hz)
5.2G

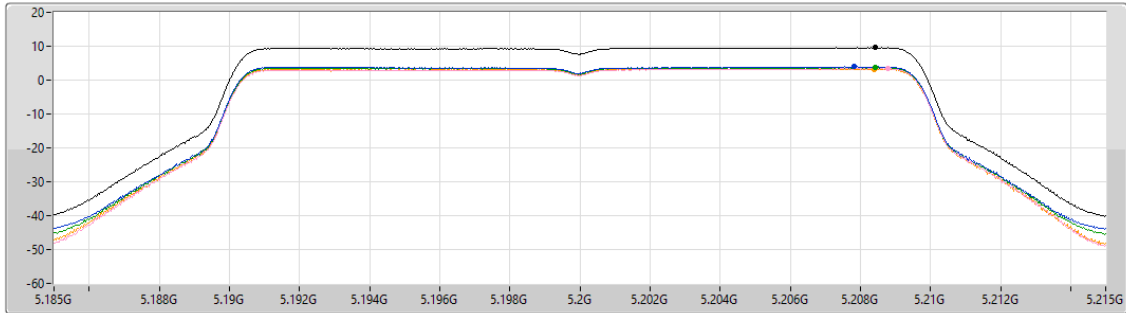
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.58	9.58	3.93	3.38	3.70	3.26

Sum

Port 1

Port 2

Port 3

Port 4

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

PSD

5240MHz

20/12/2024

CF (Hz)
5.24G

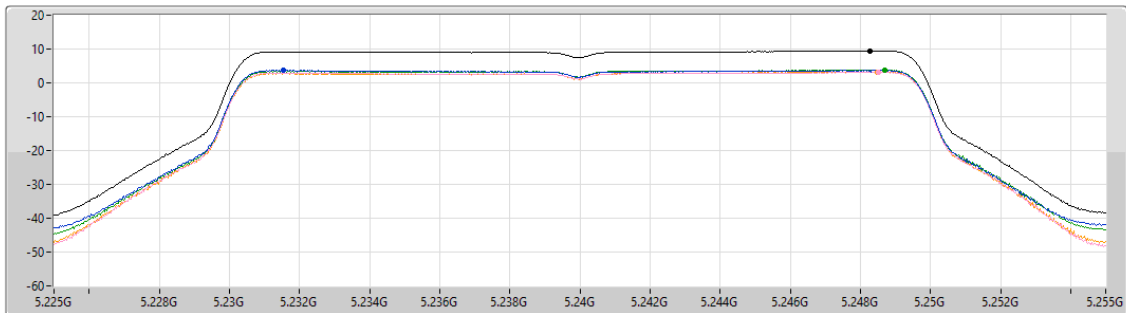
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.47	9.47	3.71	3.12	3.86	3.28

Sum

Port 1

Port 2

Port 3

Port 4

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

PSD

5190MHz

20/12/2024

CF (Hz)
5.19G

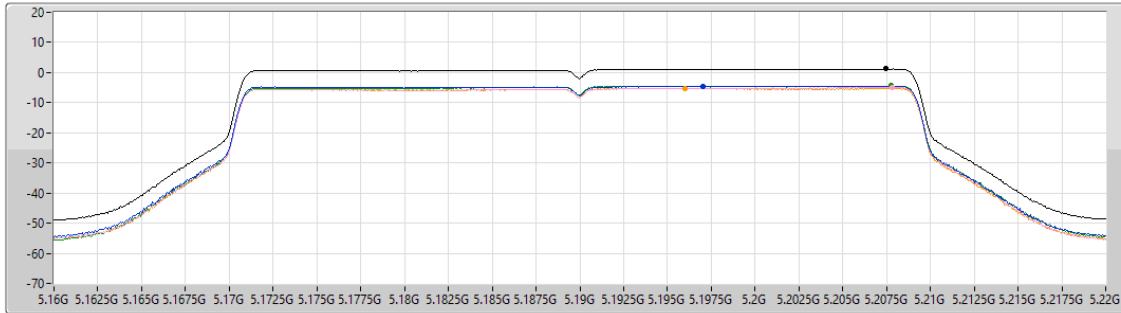
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.21	1.21	-4.54	-4.96	-4.42	-5.25

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

PSD

5230MHz

20/12/2024

CF (Hz)
5.23G

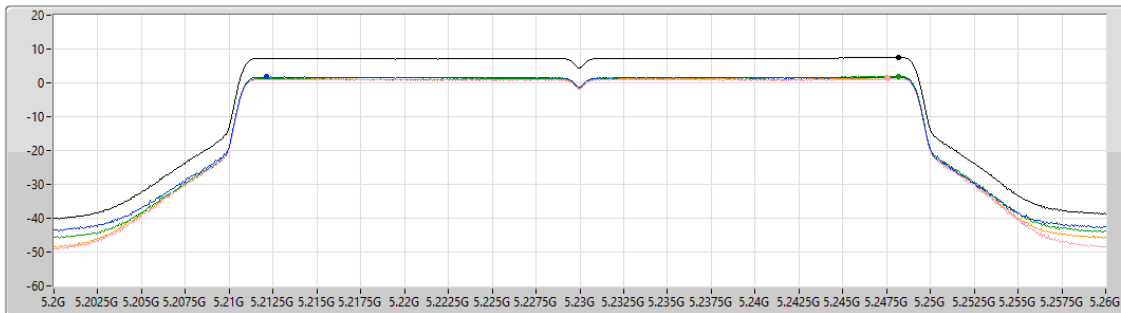
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
54.739

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

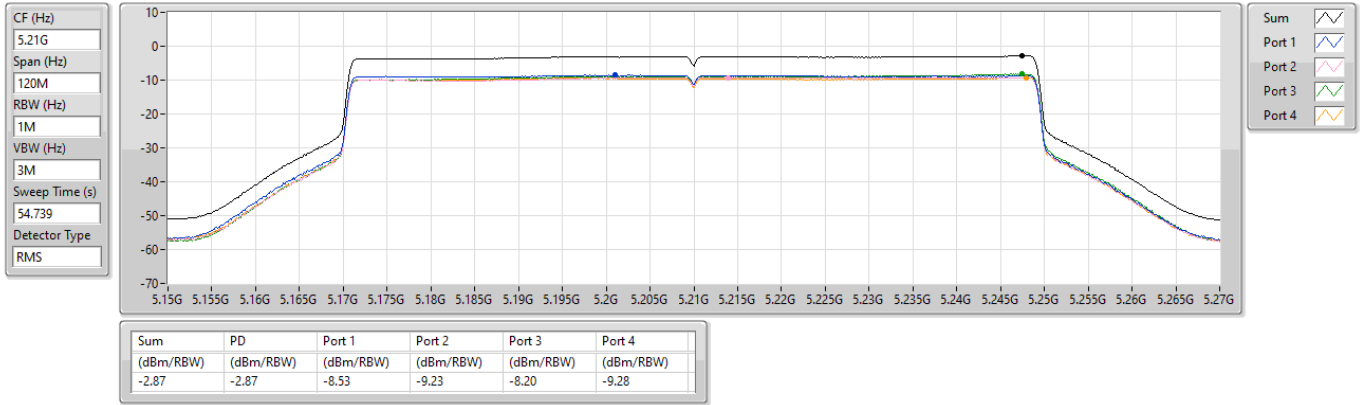
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.57	7.57	1.77	1.12	1.93	1.58

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

PSD

5210MHz

20/12/2024



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0)_1TX	-1.66
802.11be EHT80_Nss1,(MCS0)_2TX	-0.24
802.11be EHT80_Nss1,(MCS0)_4TX	-4.07

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-1.66				-1.66	12.60
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-1.92				-1.92	12.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-2.94	-3.21			-0.24	12.60
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-3.28	-3.61			-0.61	12.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	-9.82	-10.07	-10.30	-9.48	-4.07	9.98
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	-11.89	-12.47	-12.09	-11.83	-6.17	9.98

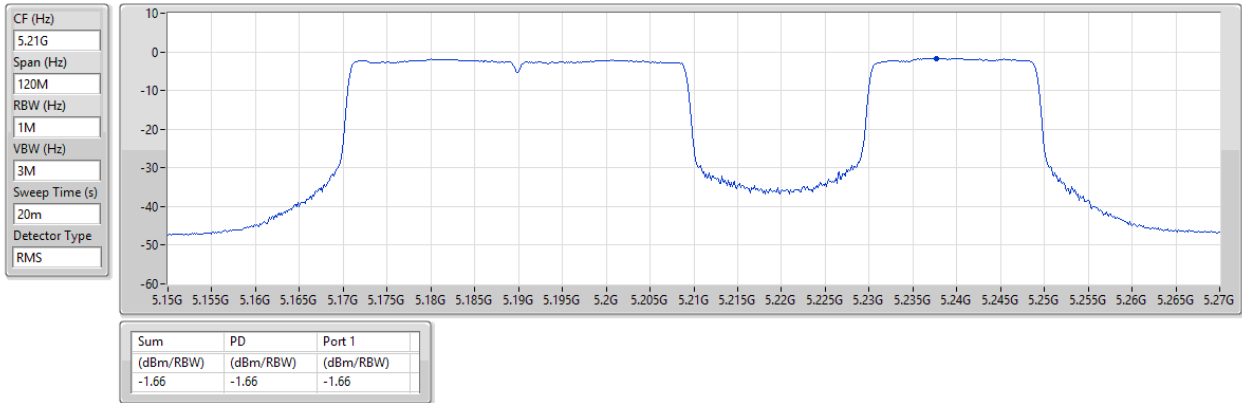
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5210MHz

06/02/2025

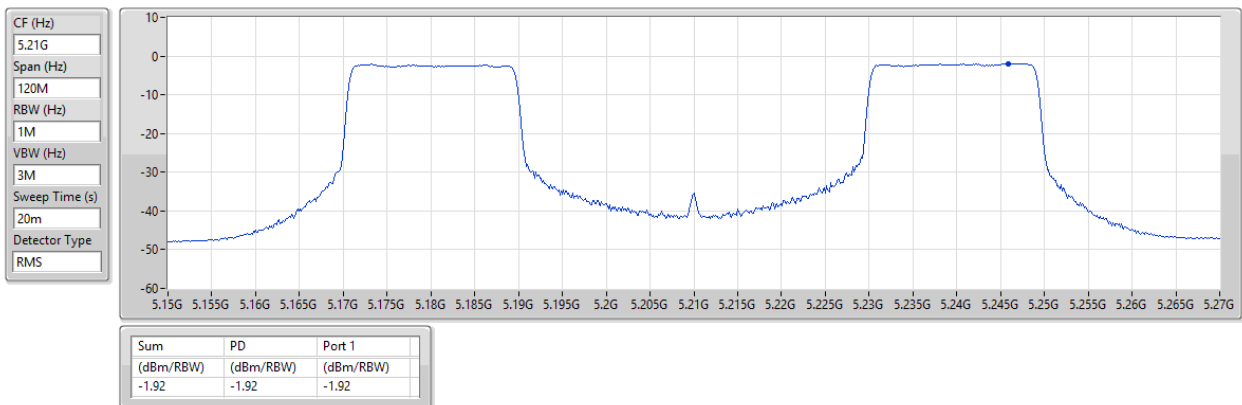


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5210MHz

06/02/2025

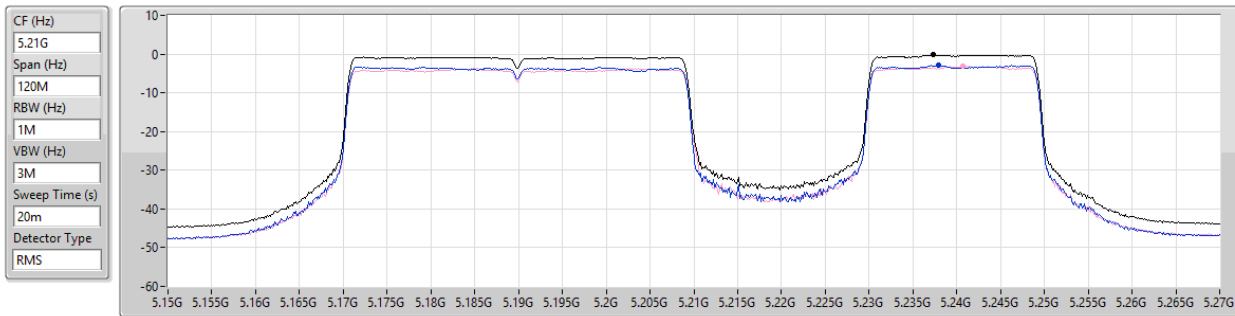


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5210MHz

07/02/2025



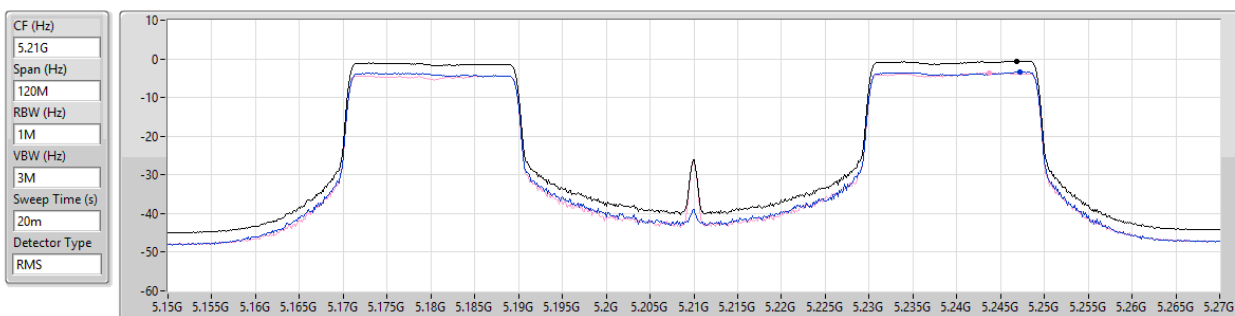
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.24	-0.24	-2.94	-3.21

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5210MHz

07/02/2025



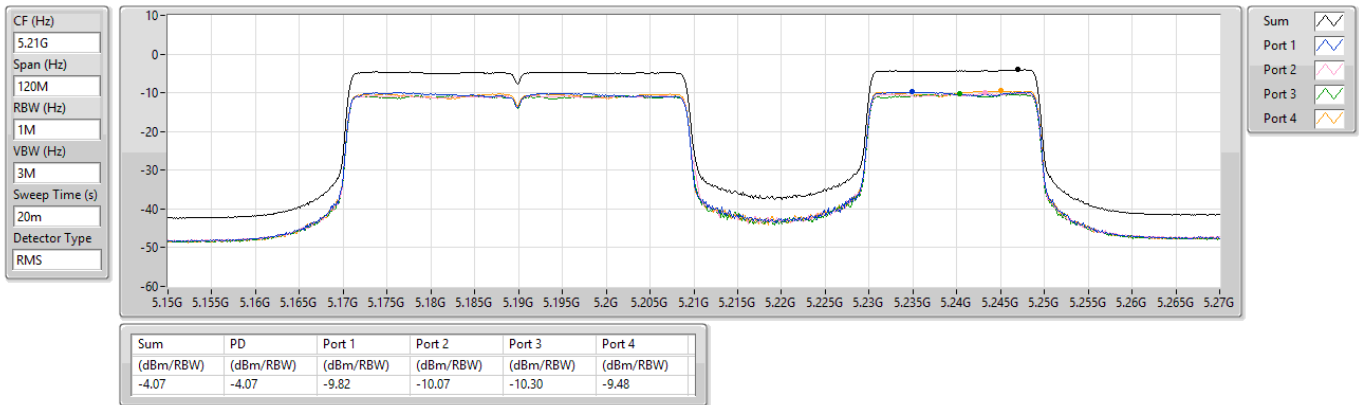
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.61	-0.61	-3.28	-3.61

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5210MHz

07/02/2025

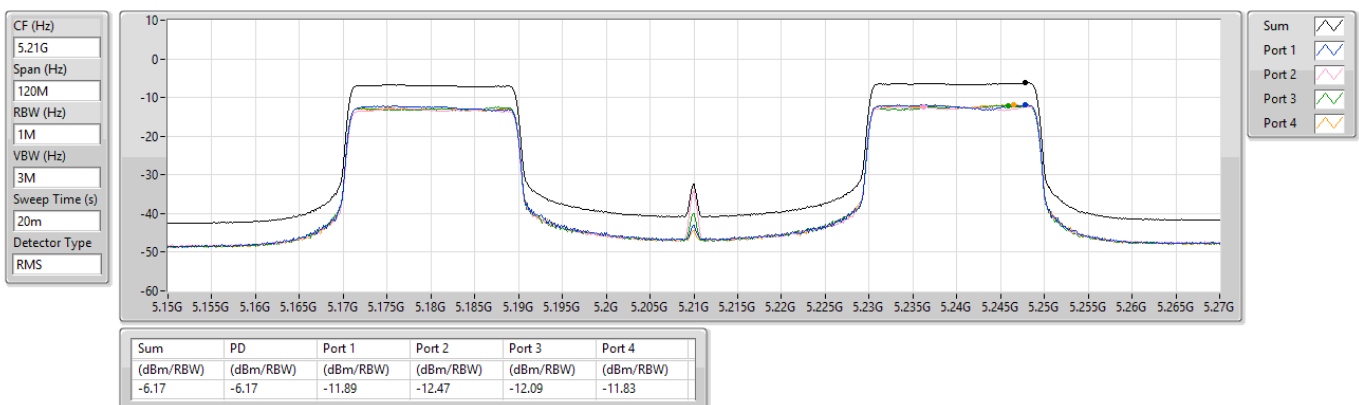


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5210MHz

07/02/2025





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0)_1TX	-2.17
802.11be EHT80_Nss1,(MCS0)_2TX	-2.63
802.11be EHT80_Nss1,(MCS0)_4TX	-4.62

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-2.17				-2.17	12.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-5.46	-5.74			-2.63	12.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	-10.60	-10.77	-10.75	-10.40	-4.62	9.98

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.

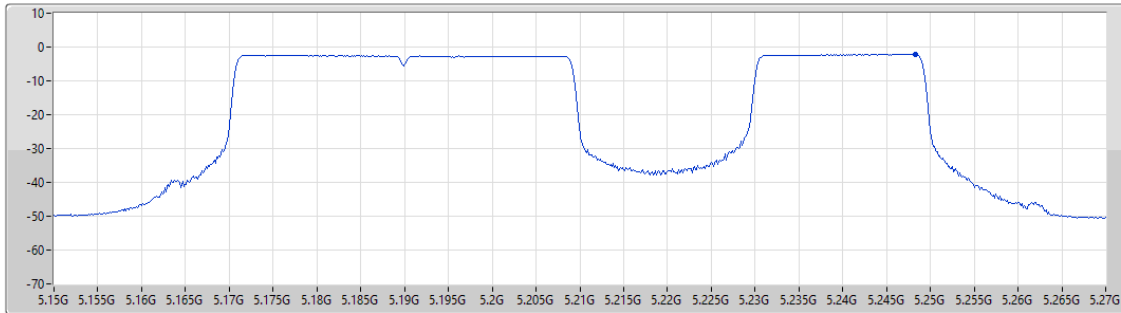
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX

PSD

5210MHz

12/02/2025

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.17	-2.17	-2.17

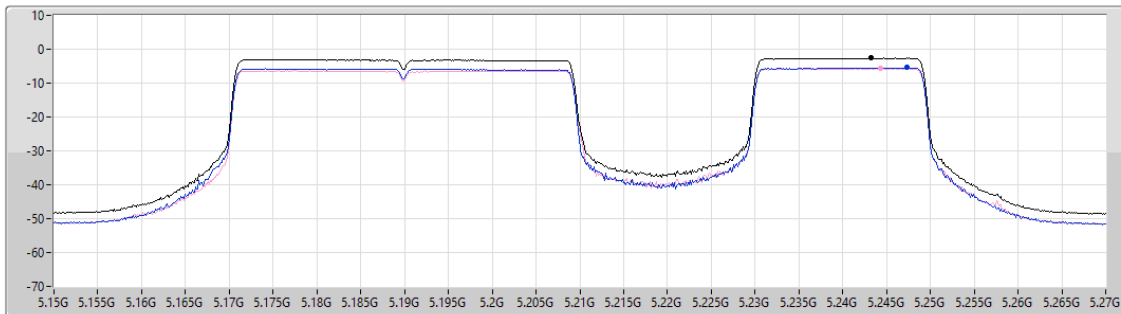
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX

PSD

5210MHz

12/02/2025

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



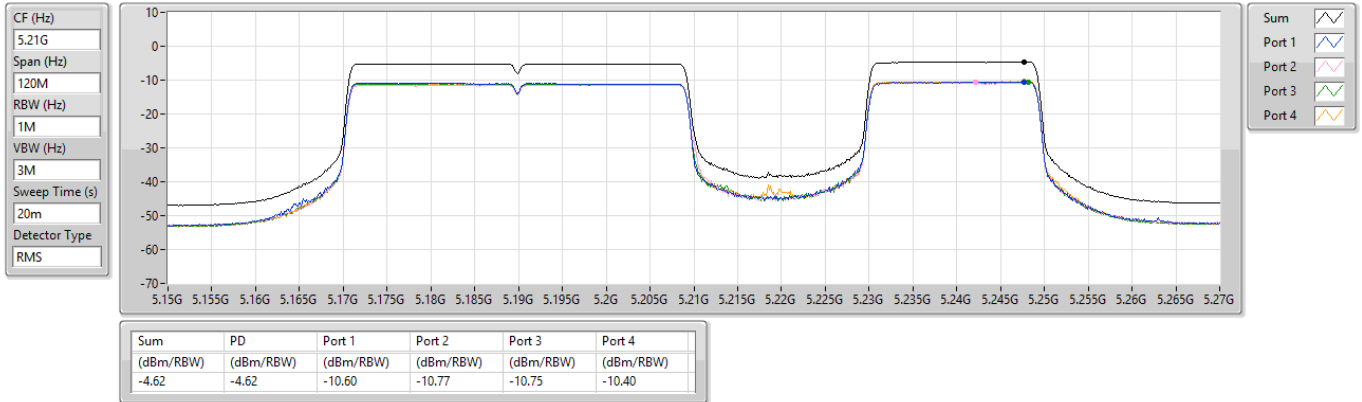
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.63	-2.63	-5.46	-5.74

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_4TX

PSD

5210MHz

12/02/2025



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	8.77
802.11a_Nss1,(6Mbps)_2TX	11.51
802.11a_Nss1,(6Mbps)_4TX	10.78
802.11be EHT20_Nss1,(MCS0)_1TX	8.28
802.11be EHT20_Nss1,(MCS0)_2TX	11.06
802.11be EHT20_Nss1,(MCS0)_4TX	10.44
802.11be EHT40_Nss1,(MCS0)_1TX	5.51
802.11be EHT40_Nss1,(MCS0)_2TX	7.77
802.11be EHT40_Nss1,(MCS0)_4TX	8.14
802.11be EHT80_Nss1,(MCS0)_1TX	-2.12
802.11be EHT80_Nss1,(MCS0)_2TX	-0.37
802.11be EHT80_Nss1,(MCS0)_4TX	-0.16

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	8.22				8.22	13.60
5200MHz	Pass	9.40	8.77				8.77	13.60
5240MHz	Pass	9.40	7.82				7.82	13.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	7.32				7.32	13.60
5200MHz	Pass	9.40	8.28				8.28	13.60
5240MHz	Pass	9.40	7.31				7.31	13.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	1.46				1.46	13.60
5230MHz	Pass	9.40	5.51				5.51	13.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-2.12				-2.12	13.60
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	7.52	6.60			9.99	13.60
5200MHz	Pass	9.40	9.06	7.90			11.51	13.60
5240MHz	Pass	9.40	7.99	7.09			10.56	13.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	6.47	5.64			8.98	13.60
5200MHz	Pass	9.40	8.73	7.30			11.06	13.60
5240MHz	Pass	9.40	7.49	6.60			10.07	13.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	0.27	-0.35			2.94	13.60
5230MHz	Pass	9.40	5.40	4.07			7.77	13.60
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-3.07	-3.64			-0.37	13.60
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.19	4.75	3.96	4.51	3.65	10.17	10.81
5200MHz	Pass	12.19	5.52	4.14	4.93	4.50	10.78	10.81
5240MHz	Pass	12.19	4.98	4.07	4.42	4.38	10.38	10.81
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.19	3.18	2.60	2.77	2.54	8.68	10.81
5200MHz	Pass	12.19	5.00	3.76	4.51	4.11	10.35	10.81
5240MHz	Pass	12.19	5.10	4.04	4.62	4.28	10.44	10.81
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.19	-3.01	-3.70	-2.96	-3.50	2.69	10.81
5230MHz	Pass	12.19	2.81	1.43	2.35	1.88	8.14	10.81
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	-5.84	-6.28	-5.96	-6.37	-0.16	10.81

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

30/12/2024

CF (Hz)
5.18G

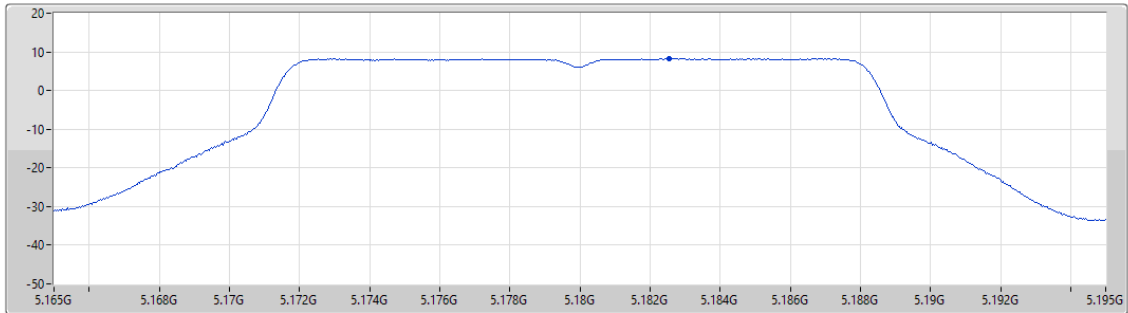
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.22	8.22	8.22

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

PSD

5200MHz

31/12/2024

CF (Hz)
5.2G

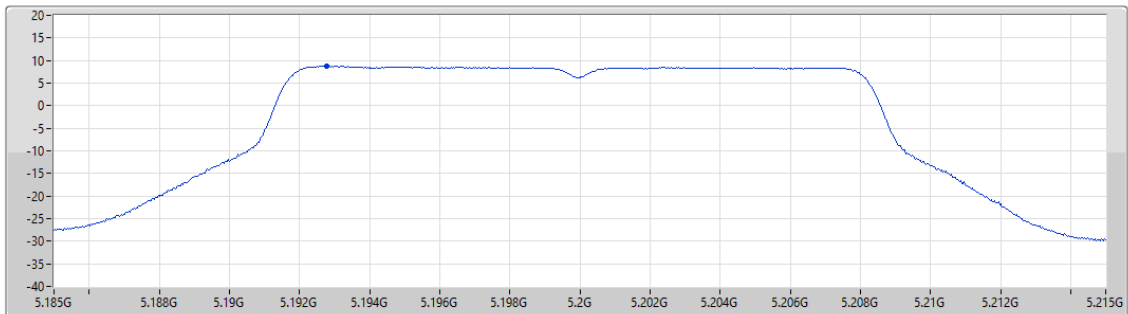
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

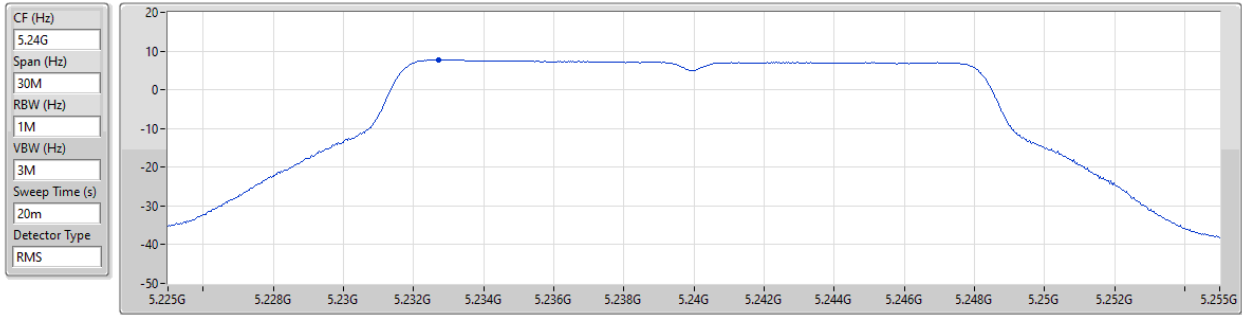
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.77	8.77	8.77

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

PSD

5240MHz

31/12/2024



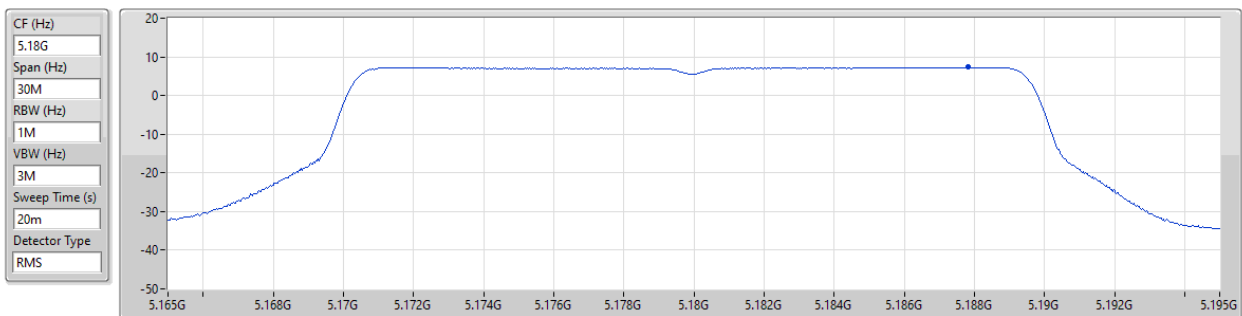
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.82	7.82	7.82

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

PSD

5180MHz

30/12/2024



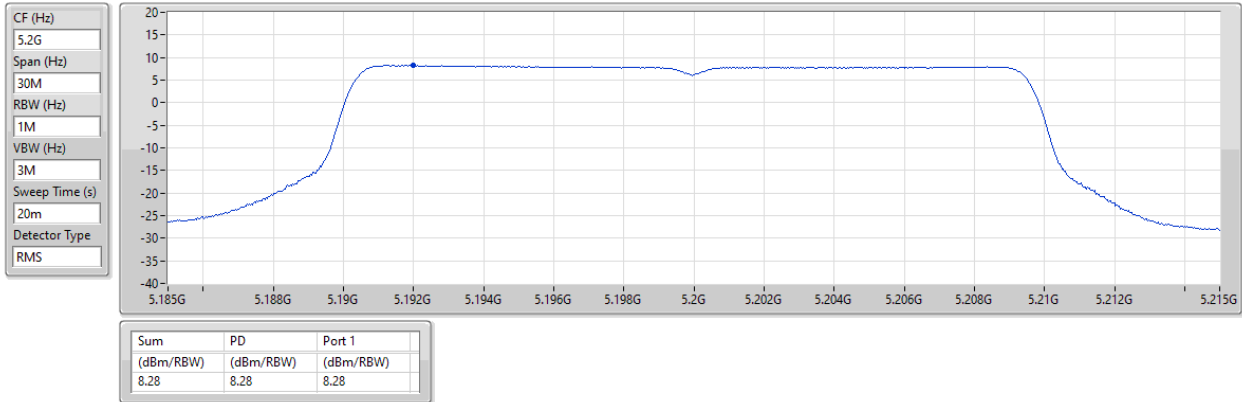
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.32	7.32	7.32

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

PSD

5200MHz

31/12/2024

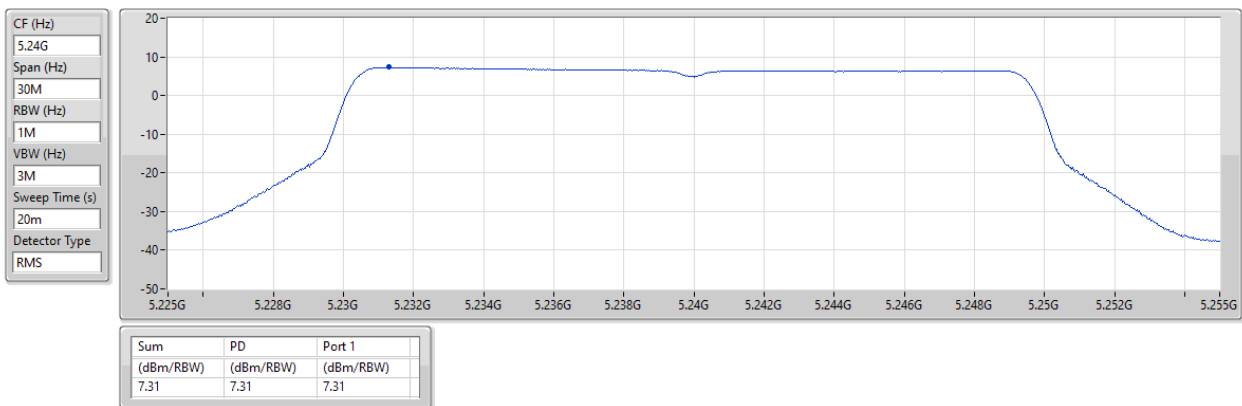


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

31/12/2024

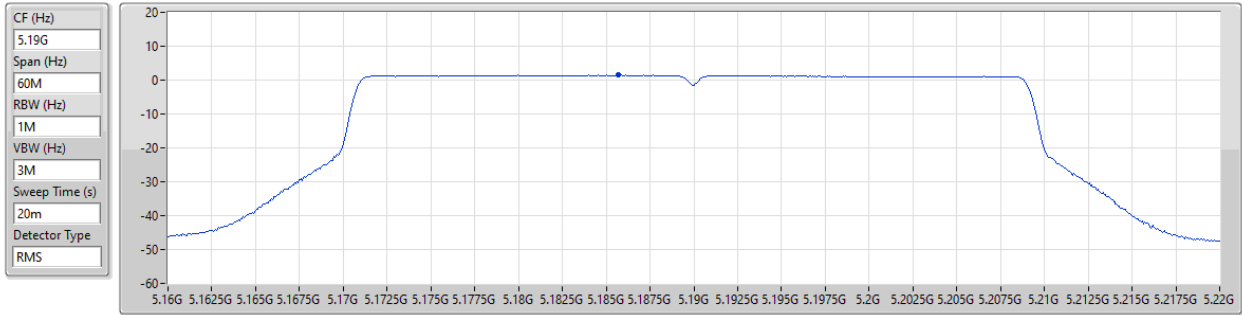


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

30/12/2024



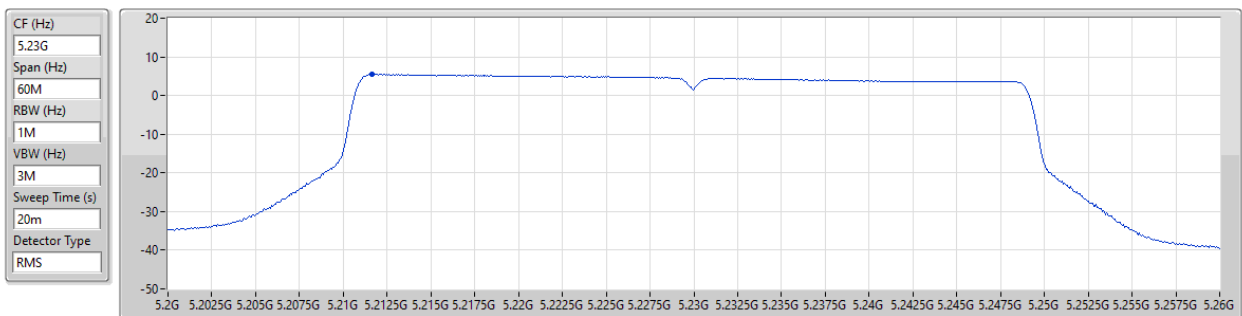
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.46	1.46	1.46

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

PSD

5230MHz

30/12/2024



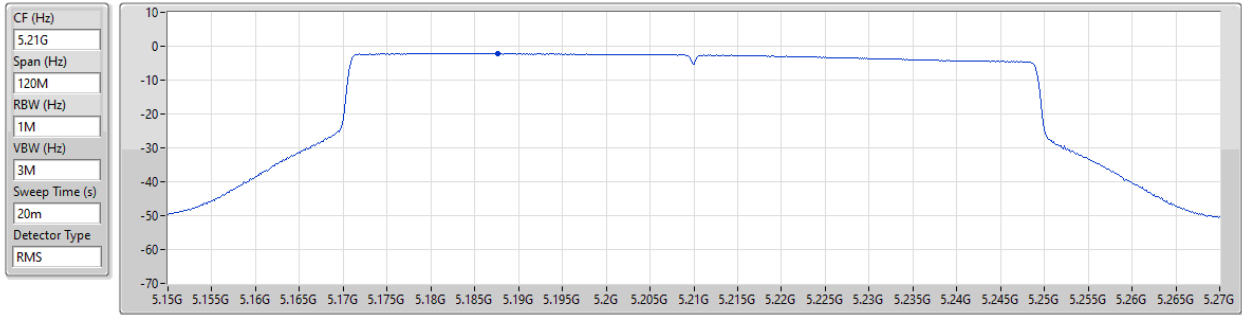
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.51	5.51	5.51

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

PSD

5210MHz

30/12/2024



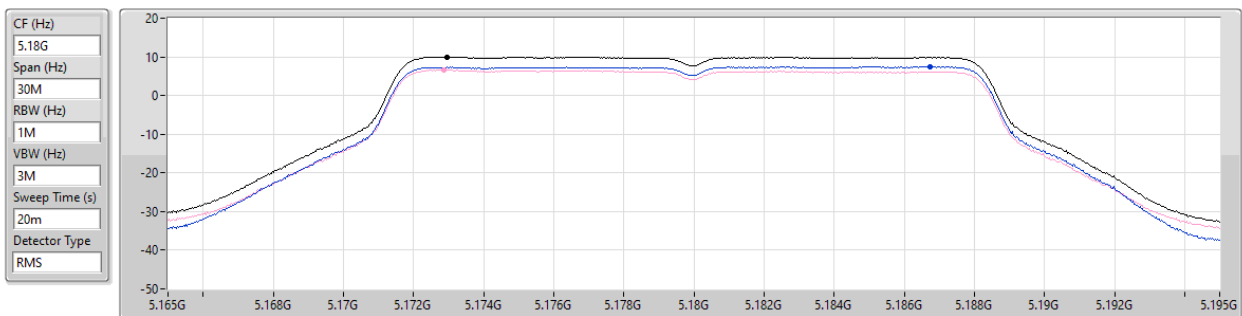
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.12	-2.12	-2.12

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

PSD

5180MHz

30/12/2024



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.99	9.99	7.52	6.60

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

PSD

5200MHz

31/12/2024

CF (Hz)
5.2G

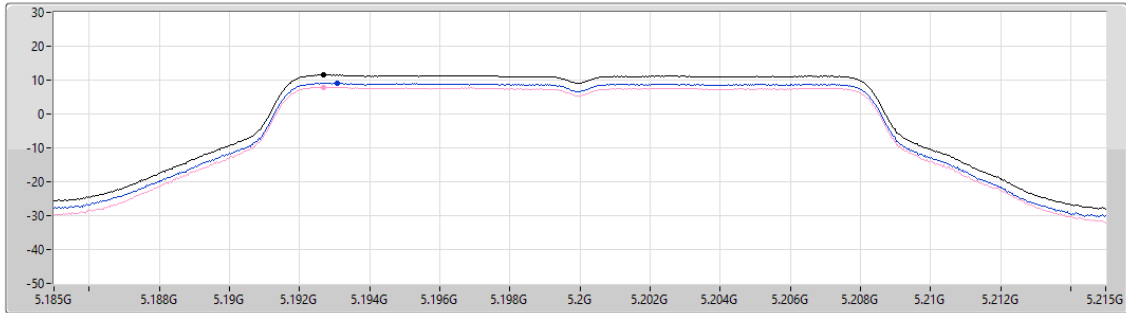
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.51	11.51	9.06	7.90

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5240MHz

31/12/2024

CF (Hz)
5.24G

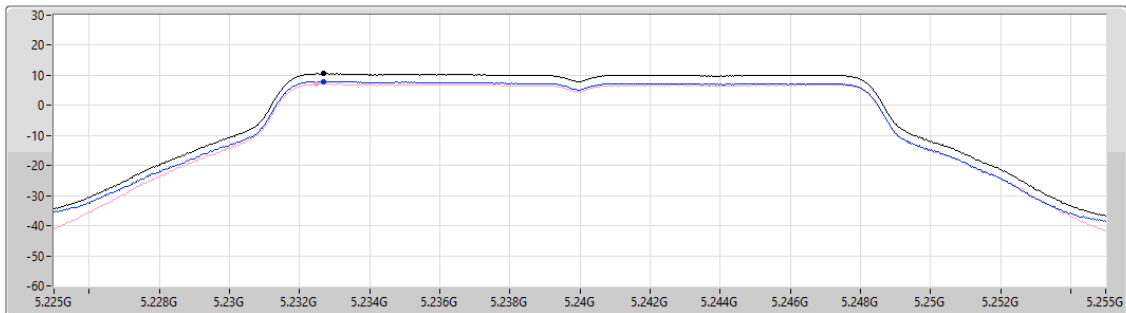
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.56	10.56	7.99	7.09

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5180MHz

30/12/2024

CF (Hz)
5.18G

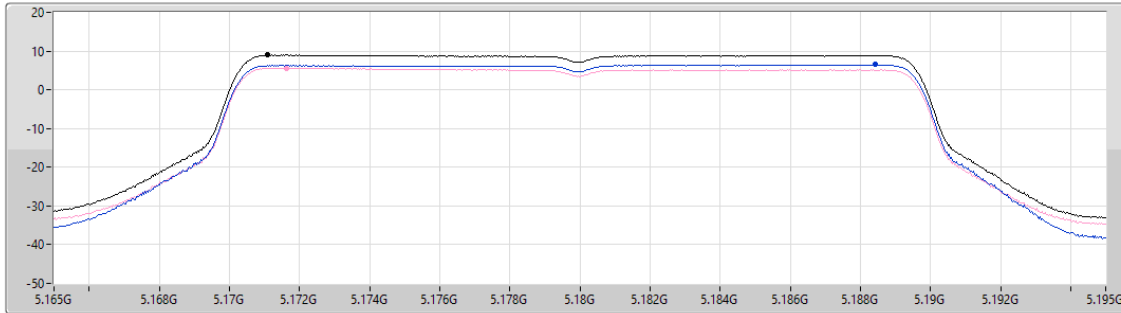
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.98	8.98	6.47	5.64

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

PSD

5200MHz

31/12/2024

CF (Hz)
5.2G

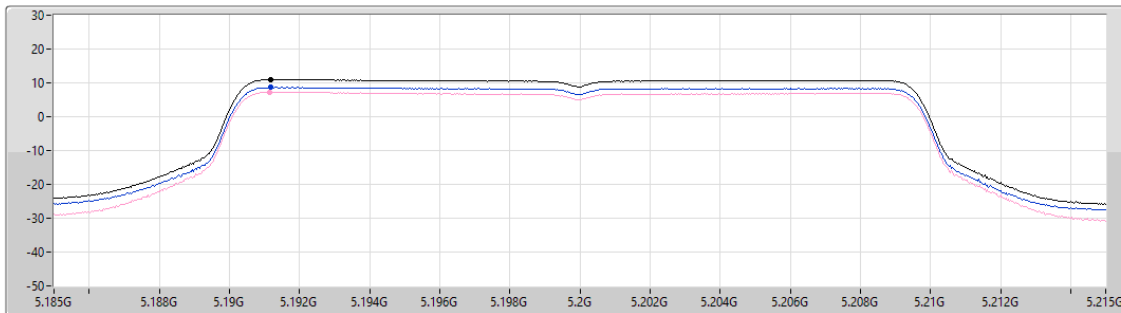
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.06	11.06	8.73	7.30

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

PSD

5240MHz

31/12/2024

CF (Hz)
5.24G

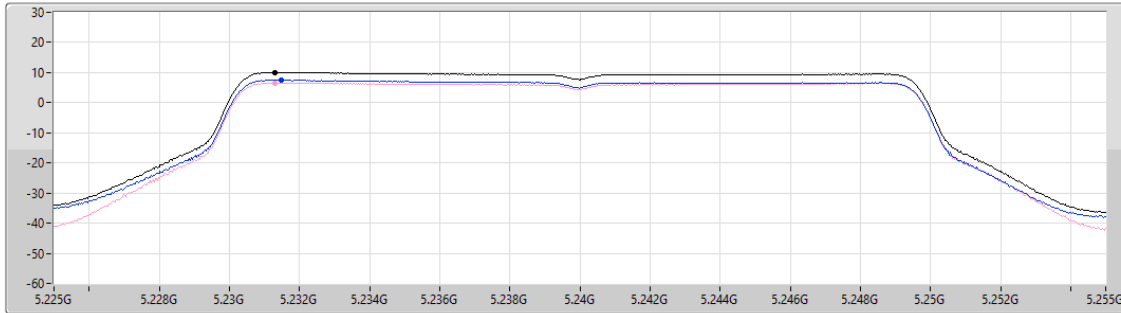
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.07	10.07	7.49	6.60

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5190MHz

30/12/2024

CF (Hz)
5.19G

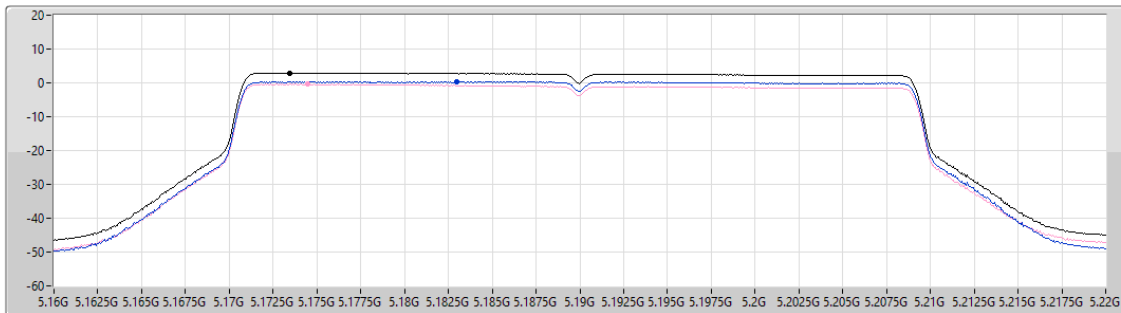
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.94	2.94	0.27	-0.35

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5230MHz

30/12/2024

CF (Hz)
5.23G

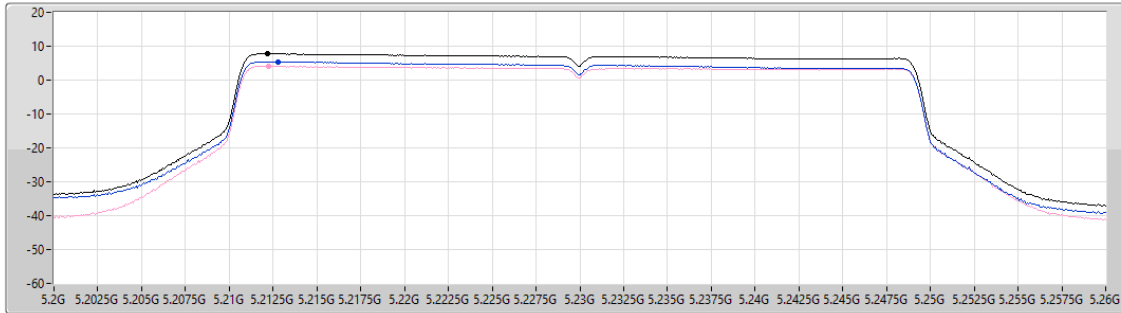
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
7.77	7.77	5.40	4.07

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

PSD

5210MHz

30/12/2024

CF (Hz)
5.21G

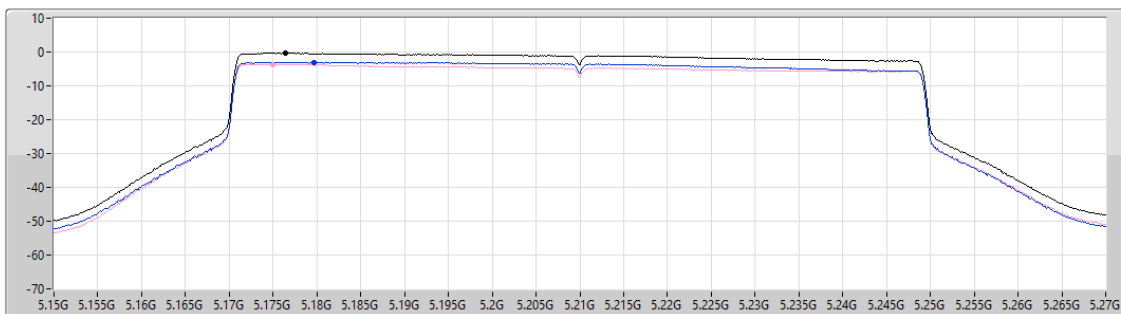
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.37	-0.37	-3.07	-3.64

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

PSD

5180MHz

31/12/2024

CF (Hz)
5.18G

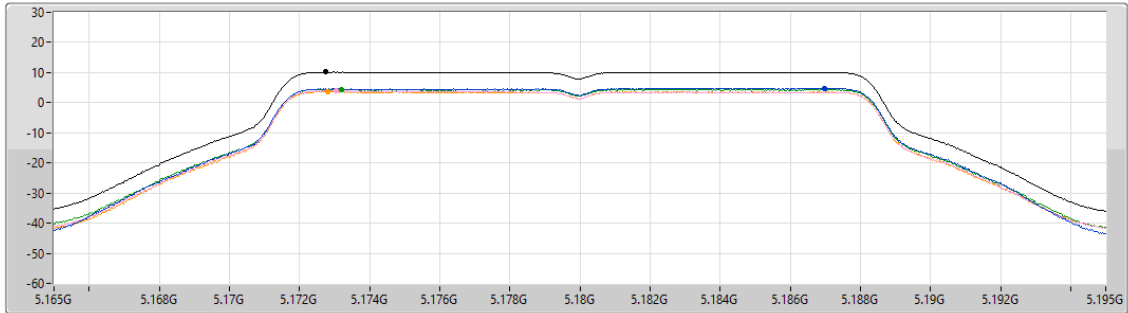
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.17	10.17	4.75	3.96	4.51	3.65

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

PSD

5200MHz

31/12/2024

CF (Hz)
5.2G

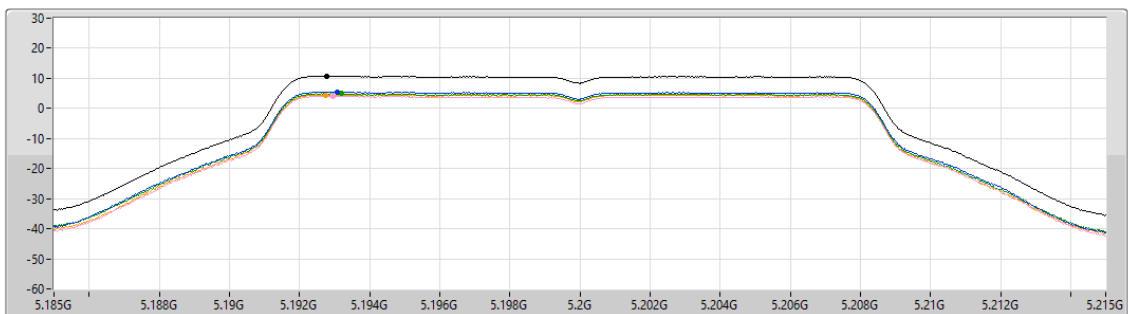
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	5.52	4.14	4.93	4.50

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

PSD

5240MHz

31/12/2024

CF (Hz)
5.24G

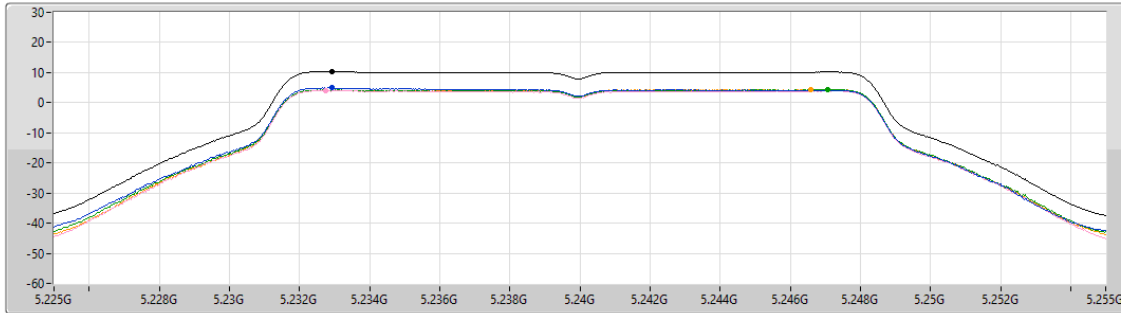
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.38	10.38	4.98	4.07	4.42	4.38

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

PSD

5180MHz

31/12/2024

CF (Hz)
5.18G

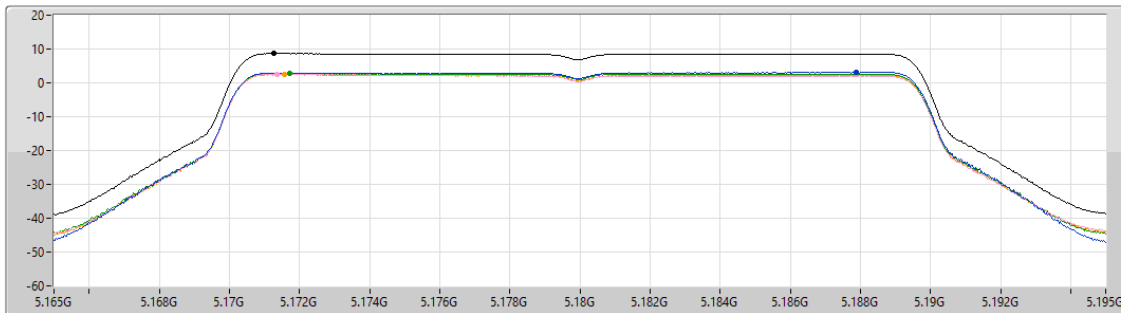
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.68	8.68	3.18	2.60	2.77	2.54

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

PSD

5200MHz

31/12/2024

CF (Hz)
5.2G

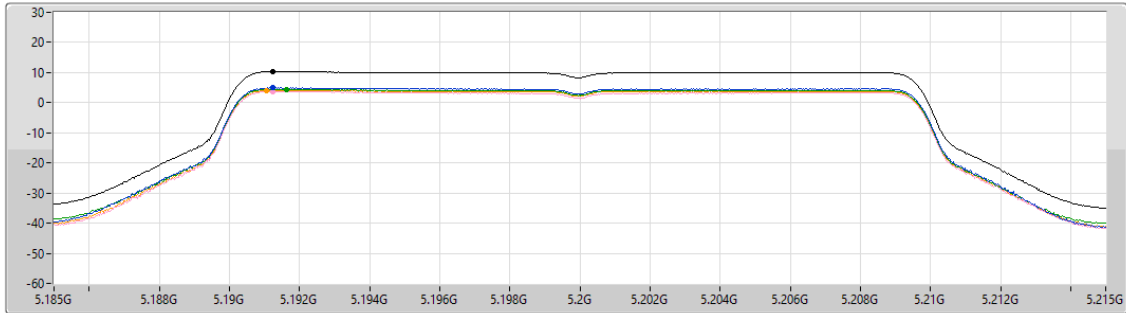
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.35	10.35	5.00	3.76	4.51	4.11

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

PSD

5240MHz

31/12/2024

CF (Hz)
5.24G

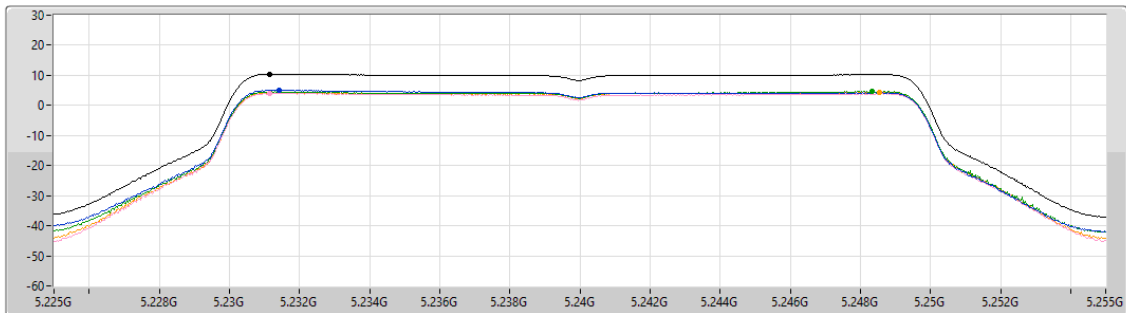
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.44	10.44	5.10	4.04	4.62	4.28

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

PSD

5190MHz

31/12/2024

CF (Hz)
5.19G

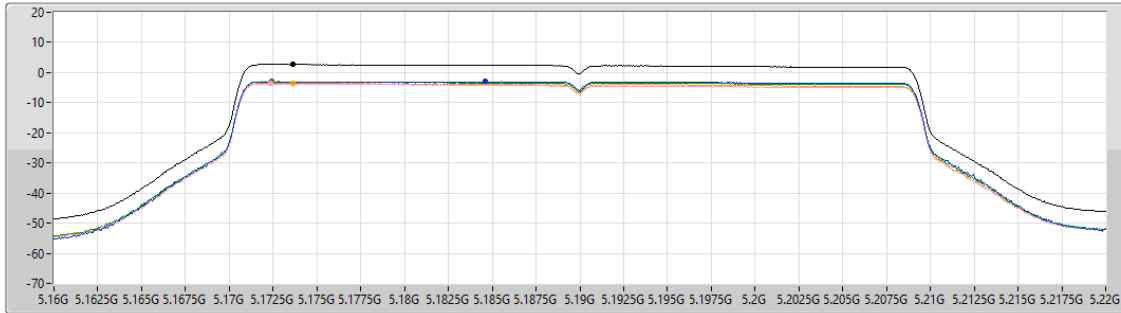
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.69	2.69	-3.01	-3.70	-2.96	-3.50

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

PSD

5230MHz

31/12/2024

CF (Hz)
5.23G

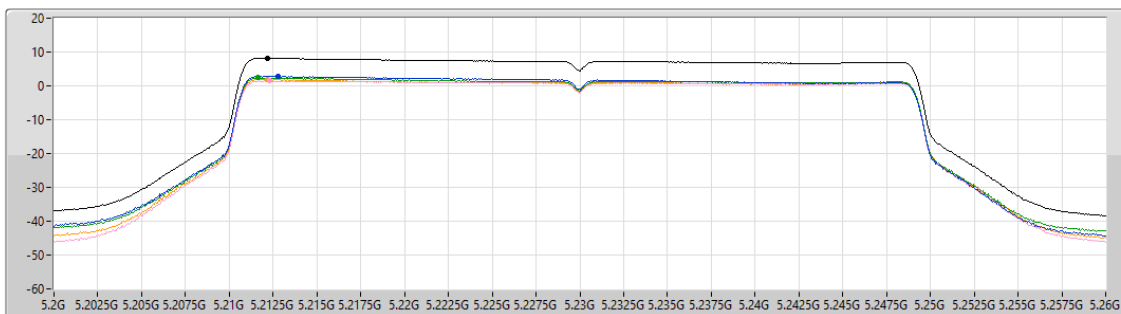
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

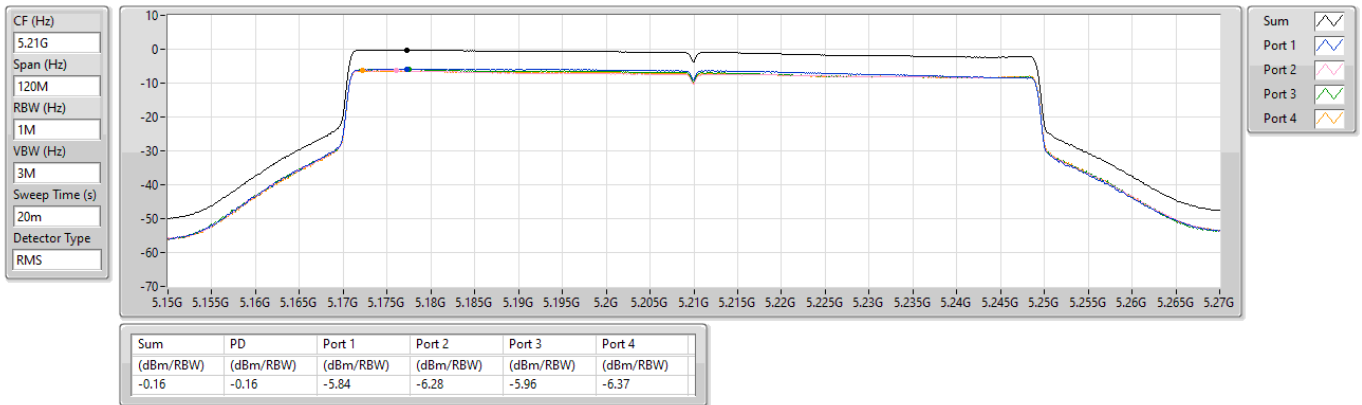
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
8.14	8.14	2.81	1.43	2.35	1.88

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

PSD

5210MHz

31/12/2024





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-2.24
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-0.43
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-0.31

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-2.41				-2.41	13.60
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-2.24				-2.24	13.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-3.32	-3.69			-0.52	13.60
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-3.27	-3.33			-0.43	13.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	-5.76	-6.08	-6.17	-6.09	-0.31	10.81
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	-5.94	-6.38	-6.36	-6.38	-0.35	10.81

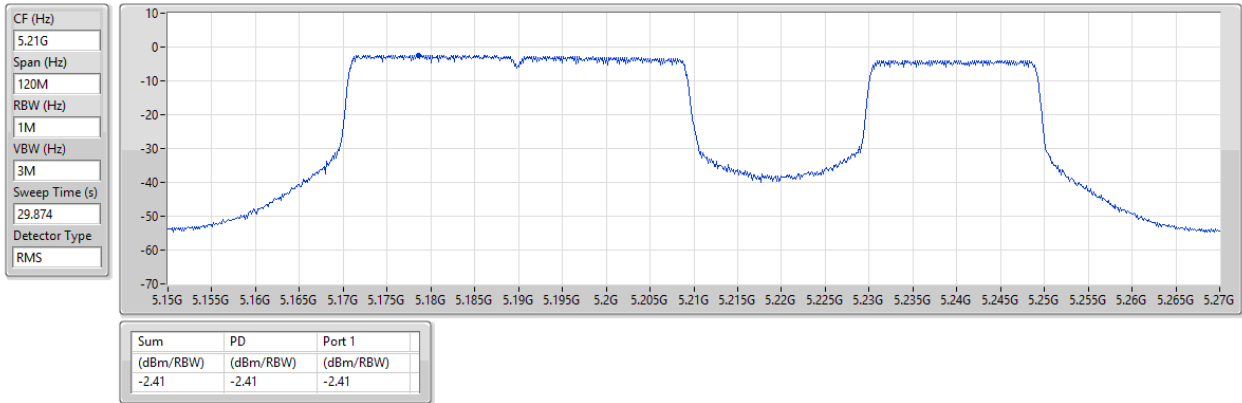
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
 Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5210MHz

10/02/2025

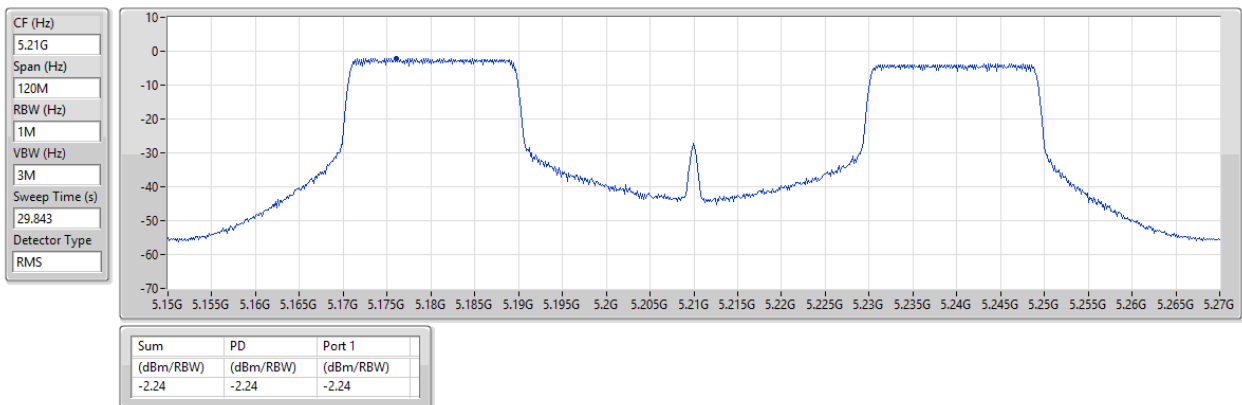


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5210MHz

10/02/2025



5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5210MHz

11/02/2025

CF (Hz)
5.21G

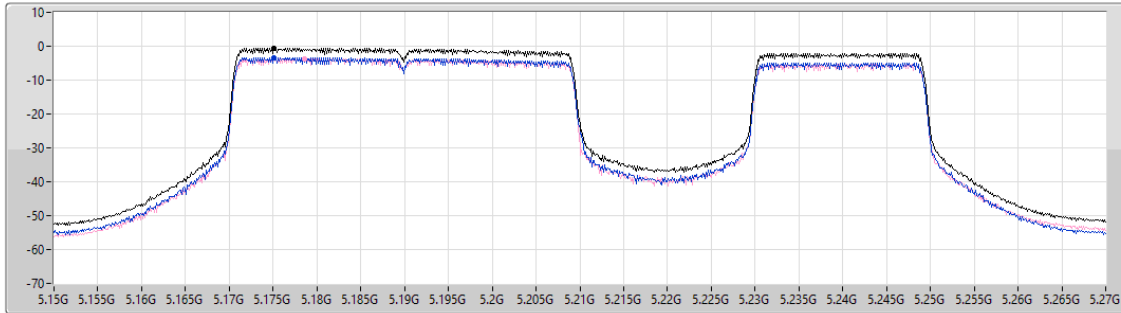
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.812

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.52	-0.52	-3.32	-3.69

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5210MHz

11/02/2025

CF (Hz)
5.21G

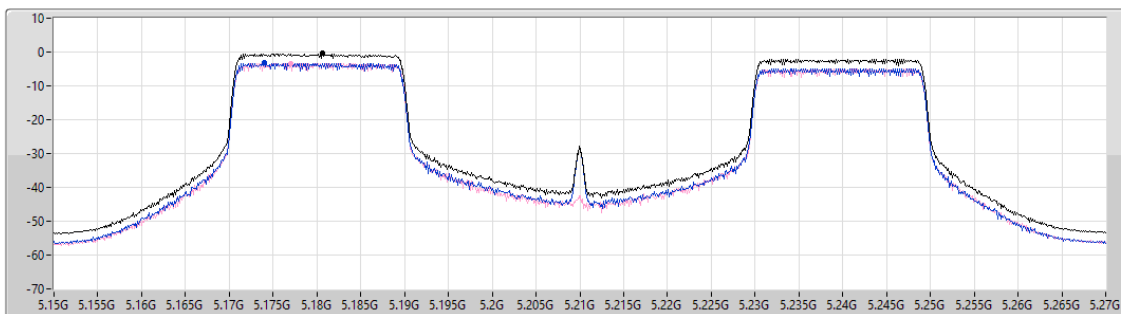
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.843

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.43	-0.43	-3.27	-3.33

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5210MHz

11/02/2025

CF (Hz)
5.21G

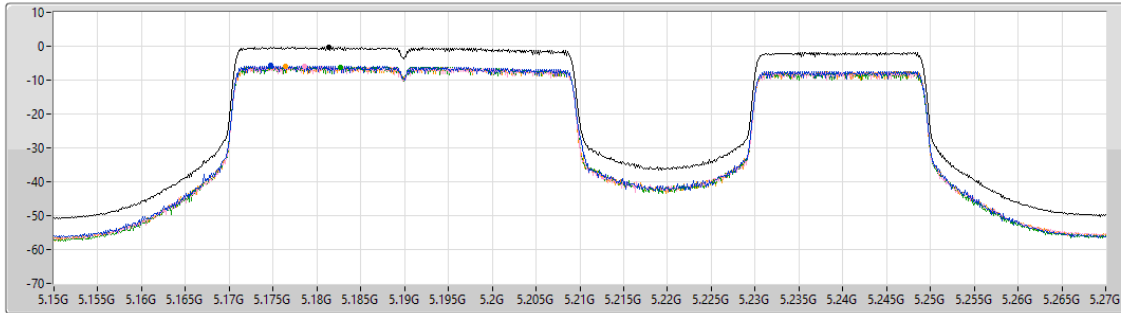
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.874

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.31	-0.31	-5.76	-6.08	-6.17	-6.09

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5210MHz

11/02/2025

CF (Hz)
5.21G

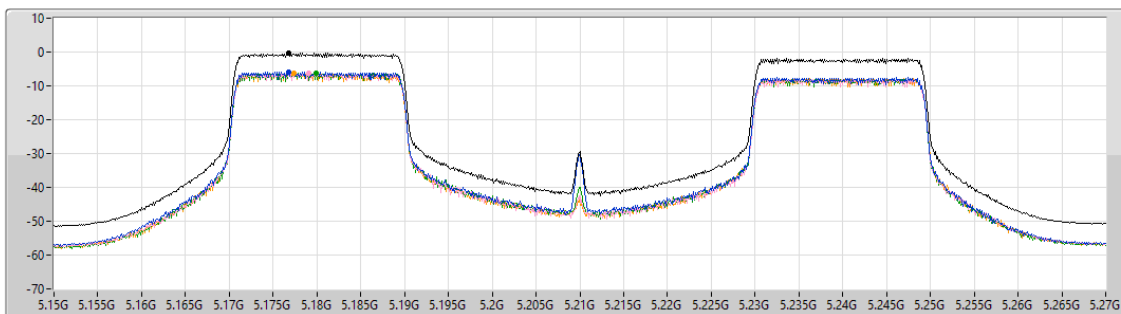
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.874

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.35	-0.35	-5.94	-6.38	-6.36	-6.38



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_1TX	-2.24
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_2TX	-0.56
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX	-0.42

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-2.24				-2.24	13.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40	-3.21	-3.82			-0.56	13.60
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	-6.22	-6.79	-6.22	-6.33	-0.42	10.81

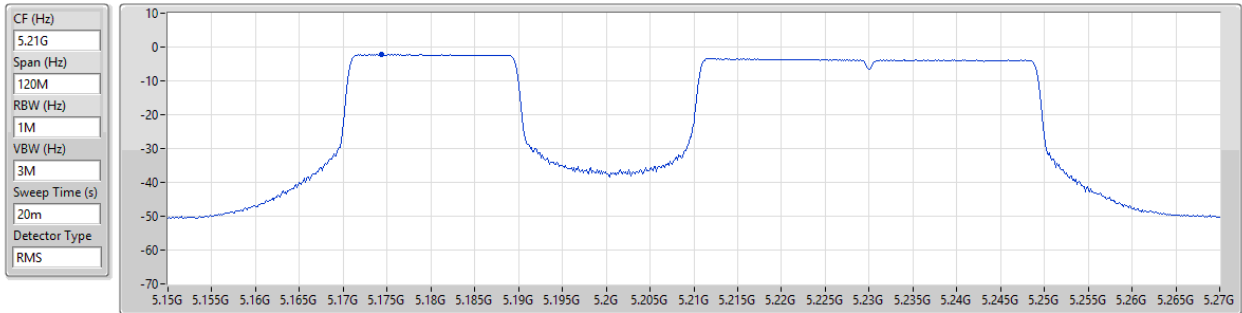
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_1TX

PSD

5210MHz

15/02/2025



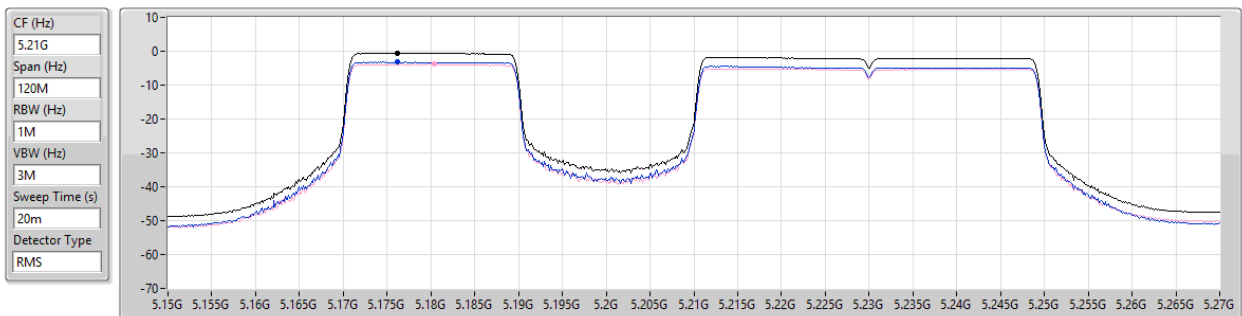
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.24	-2.24	-2.24

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_2TX

PSD

5210MHz

15/02/2025



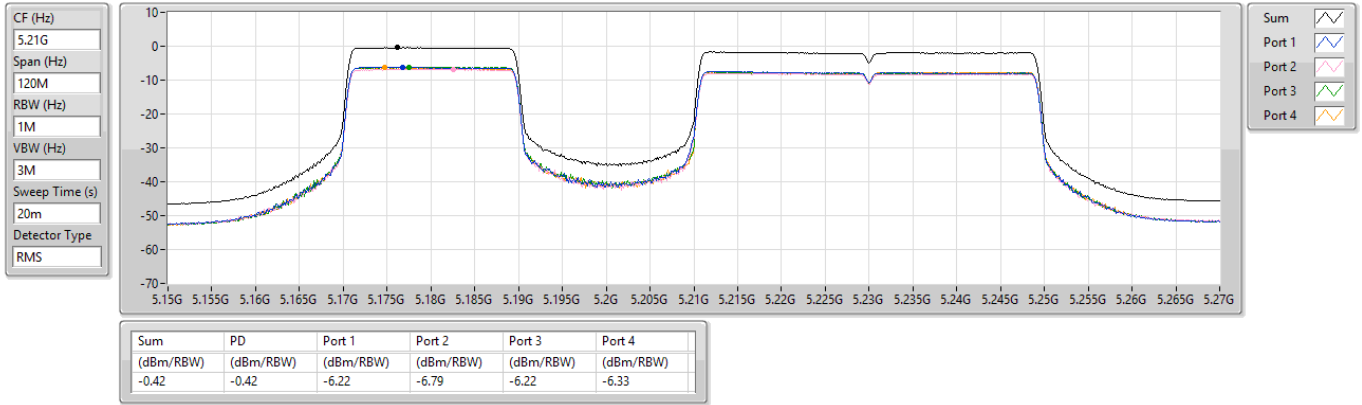
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.56	-0.56	-3.21	-3.82

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX

PSD

5210MHz

15/02/2025





Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	9.30
802.11a_Nss1,(6Mbps)_2TX	11.62
802.11a_Nss1,(6Mbps)_4TX	10.59
802.11be EHT20_Nss1,(MCS0)_1TX	8.74
802.11be EHT20_Nss1,(MCS0)_2TX	11.16
802.11be EHT20_Nss1,(MCS0)_4TX	10.19
802.11be EHT40_Nss1,(MCS0)_1TX	5.04
802.11be EHT40_Nss1,(MCS0)_2TX	7.70
802.11be EHT40_Nss1,(MCS0)_4TX	6.64
802.11be EHT80_Nss1,(MCS0)_1TX	-1.47
802.11be EHT80_Nss1,(MCS0)_2TX	0.41
802.11be EHT80_Nss1,(MCS0)_4TX	0.22

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	8.91				8.91	15.49
5200MHz	Pass	7.51	9.30				9.30	15.49
5240MHz	Pass	7.51	8.73				8.73	15.49
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	7.87				7.87	15.49
5200MHz	Pass	7.51	8.74				8.74	15.49
5240MHz	Pass	7.51	8.20				8.20	15.49
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51	1.93				1.93	15.49
5230MHz	Pass	7.51	5.04				5.04	15.49
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	-1.47				-1.47	15.49
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	8.01	7.44			10.70	13.78
5200MHz	Pass	9.22	9.27	7.82			11.62	13.78
5240MHz	Pass	9.22	8.61	7.91			11.19	13.78
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	6.96	6.53			9.67	13.78
5200MHz	Pass	9.22	8.77	7.46			11.16	13.78
5240MHz	Pass	9.22	8.25	7.35			10.74	13.78
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22	0.36	-0.11			3.08	13.78
5230MHz	Pass	9.22	5.05	4.42			7.70	13.78
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-2.38	-2.76			0.41	13.78
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23	3.94	3.35	3.53	3.68	9.58	10.77
5200MHz	Pass	12.23	5.31	3.75	4.59	4.59	10.59	10.77
5240MHz	Pass	12.23	4.15	3.10	3.75	3.85	9.69	10.77
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23	2.90	2.71	2.79	2.83	8.77	10.77
5200MHz	Pass	12.23	4.77	3.43	4.17	4.35	10.19	10.77
5240MHz	Pass	12.23	3.69	2.73	3.37	3.39	9.23	10.77
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.23	-1.73	-2.46	-1.74	-2.01	3.99	10.77
5230MHz	Pass	12.23	0.93	0.38	1.07	0.54	6.64	10.77
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	-5.64	-6.09	-5.60	-5.60	0.22	10.77

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

24/01/2025

CF (Hz)
5.18G

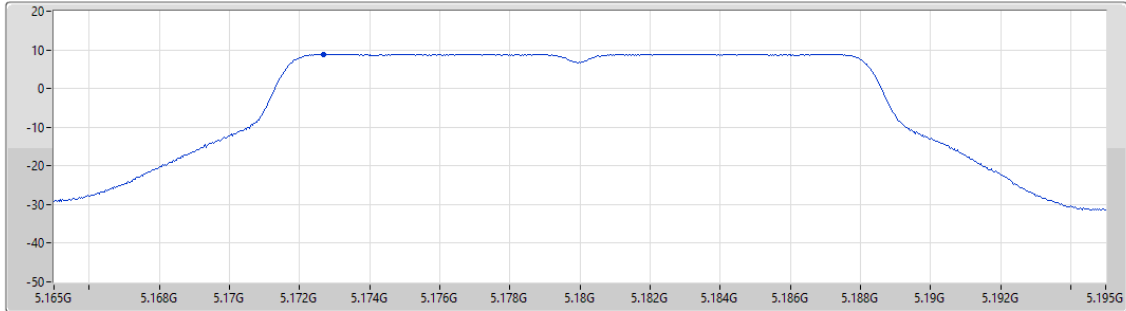
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.91	8.91	8.91

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

PSD

5200MHz

24/01/2025

CF (Hz)
5.2G

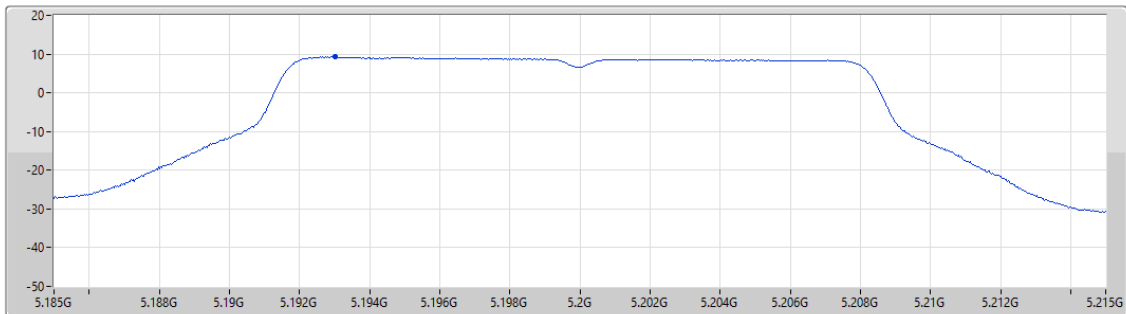
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



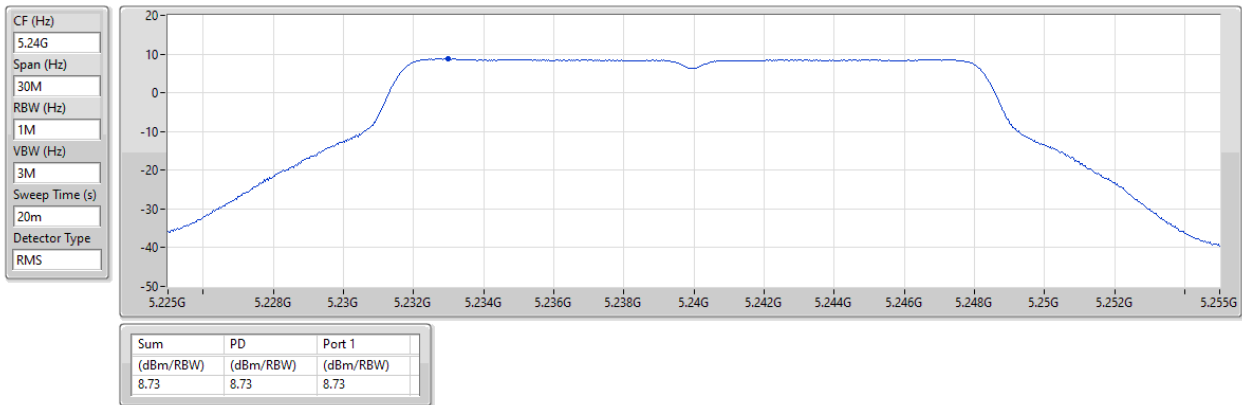
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.30	9.30	9.30

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

PSD

5240MHz

24/01/2025

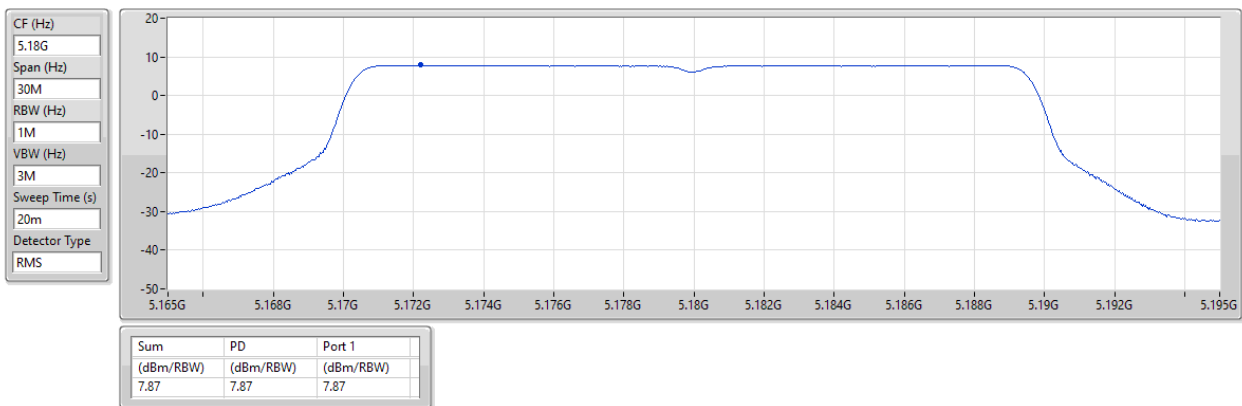


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

24/01/2025

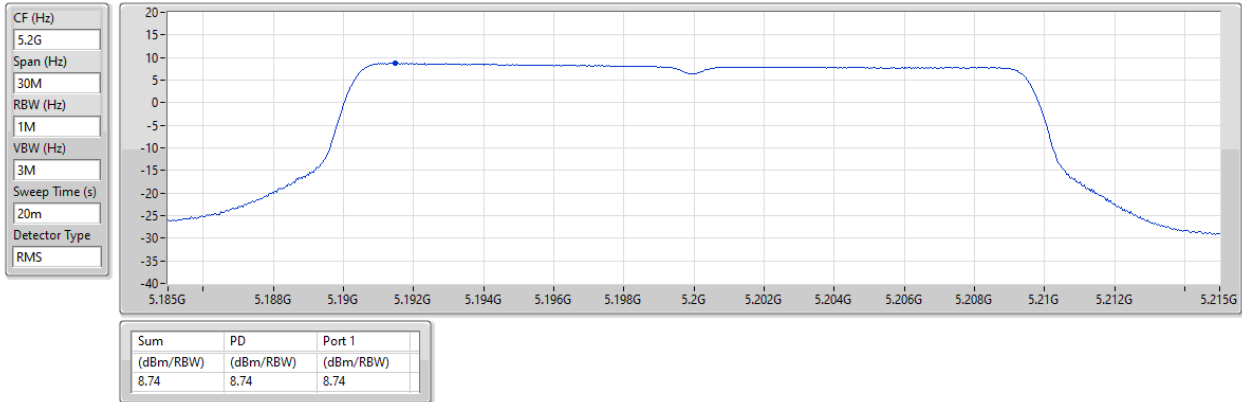


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

24/01/2025

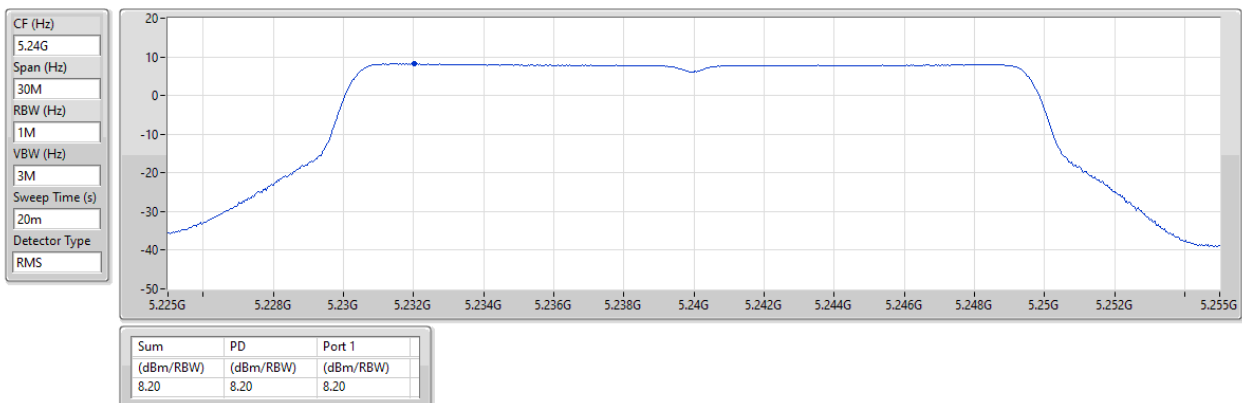


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

24/01/2025

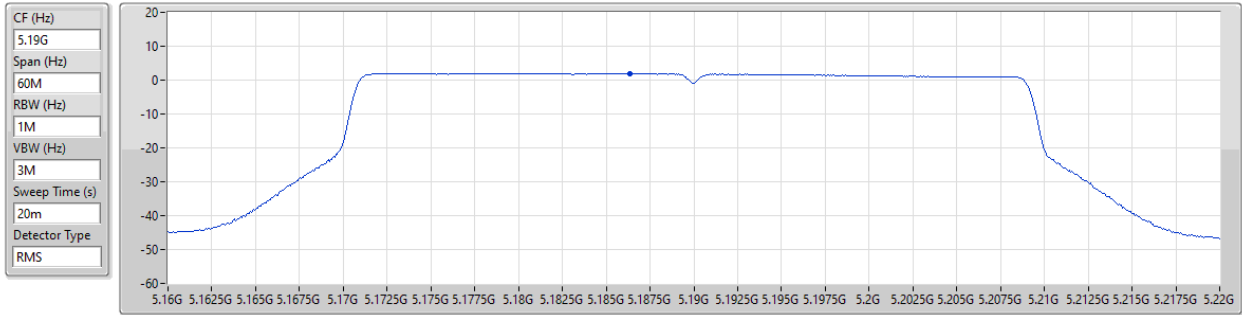


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

24/01/2025



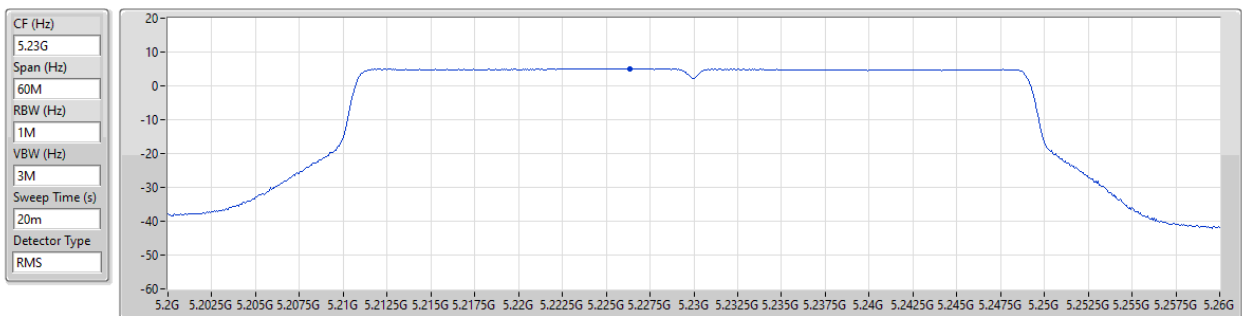
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.93	1.93	1.93

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

PSD

5230MHz

24/01/2025



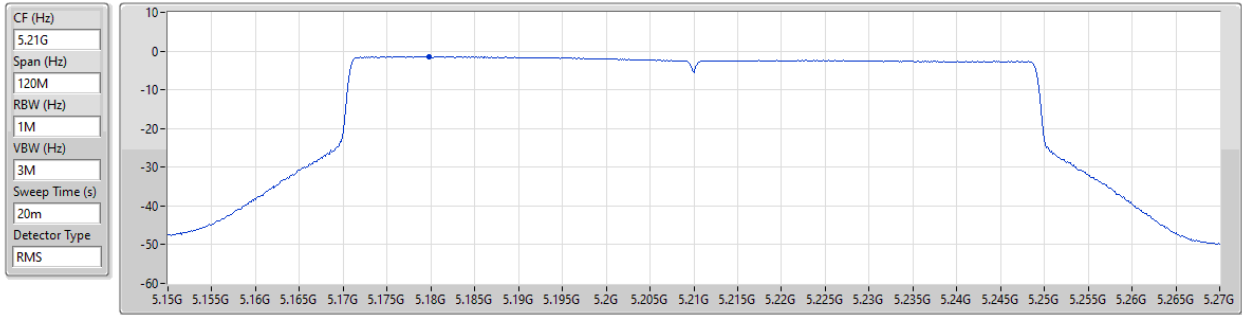
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	5.04

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

PSD

5210MHz

24/01/2025



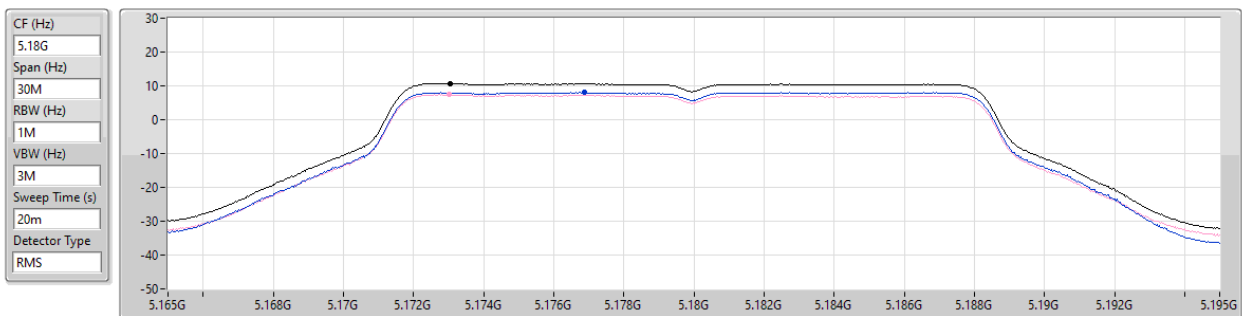
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.47	-1.47	-1.47

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

PSD

5180MHz

24/01/2025



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.70	10.70	8.01	7.44

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

PSD

5200MHz

24/01/2025

CF (Hz)
5.2G

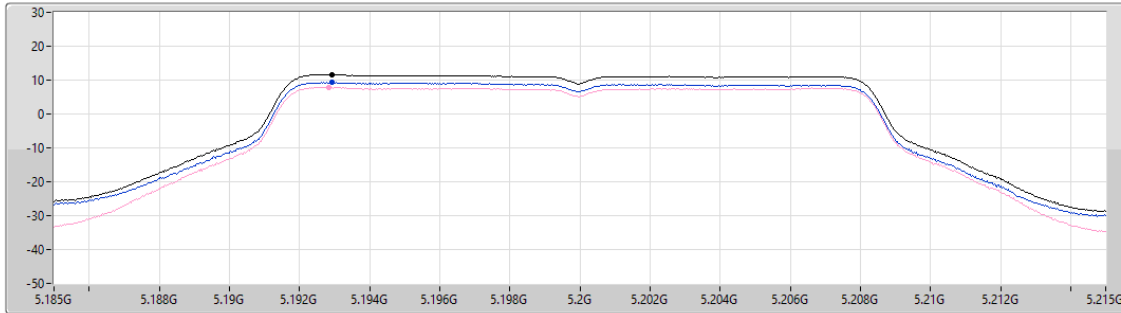
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.62	11.62	9.27	7.82

Sum 

Port 1 

Port 2 

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

PSD

5240MHz

24/01/2025

CF (Hz)
5.24G

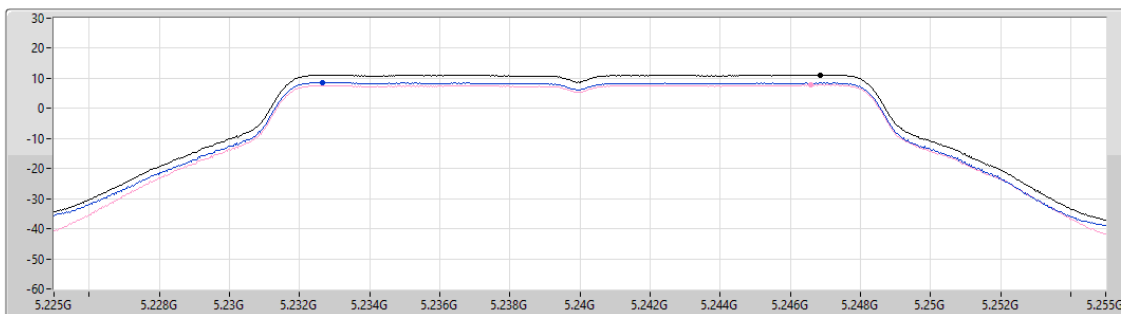
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum (dBm/RBW)	PD (dBm/RBW)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)
11.19	11.19	8.61	7.91

Sum 

Port 1 

Port 2 

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

PSD

5180MHz

24/01/2025

CF (Hz)
5.18G

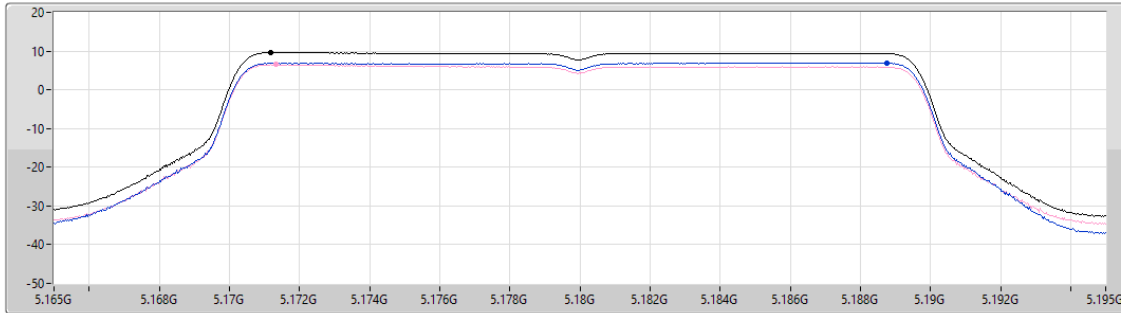
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
9.67	9.67	6.96	6.53

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

PSD

5200MHz

24/01/2025

CF (Hz)
5.2G

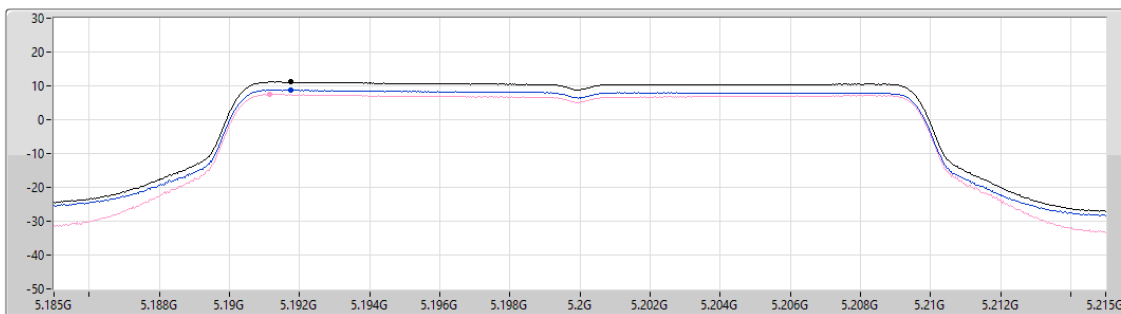
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
11.16	11.16	8.77	7.46

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

PSD

5240MHz

24/01/2025

CF (Hz)
5.24G

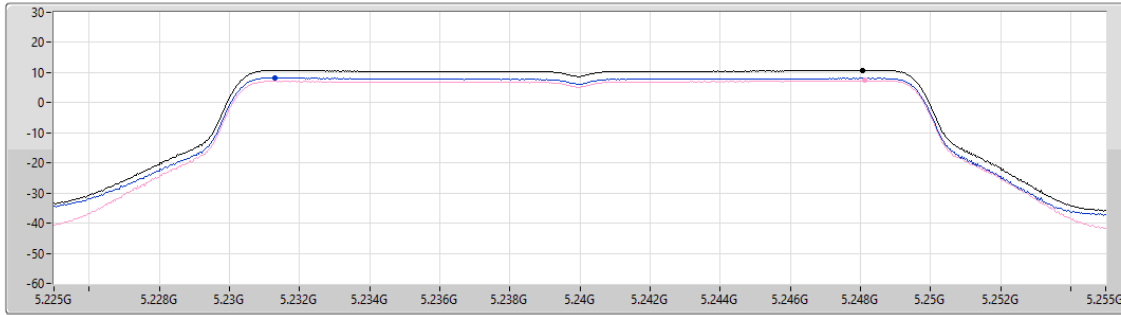
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
10.74	10.74	8.25	7.35

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

PSD

5190MHz

24/01/2025

CF (Hz)
5.19G

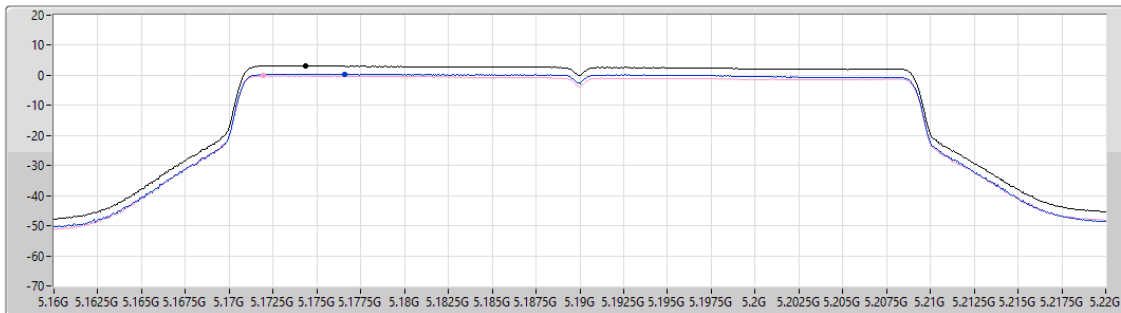
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
3.08	3.08	0.36	-0.11

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

PSD

5230MHz

24/01/2025

CF (Hz)
5.23G

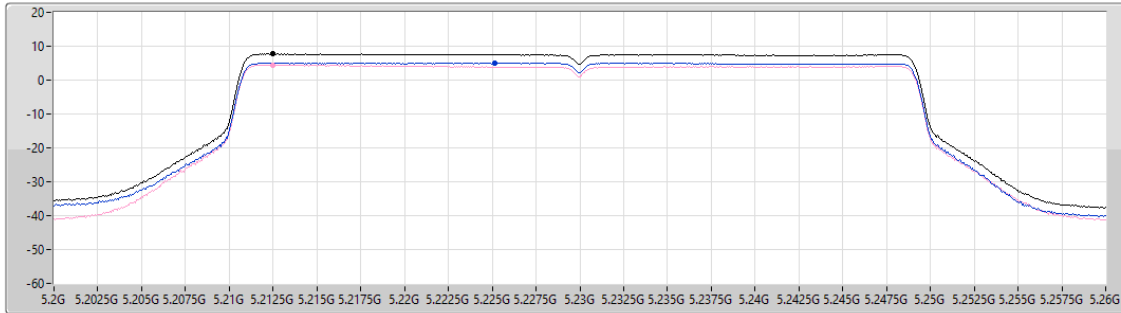
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
7.70	7.70	5.05	4.42

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

PSD

5210MHz

24/01/2025

CF (Hz)
5.21G

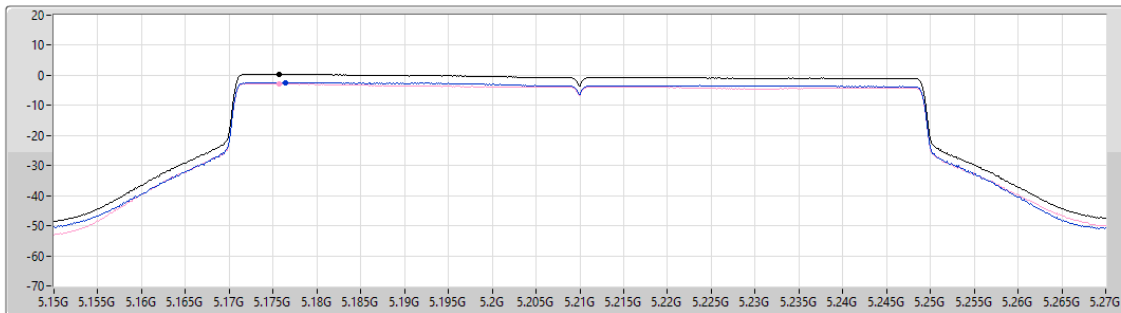
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
0.41	0.41	-2.38	-2.76

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

PSD

5180MHz

24/01/2025

CF (Hz)
5.18G

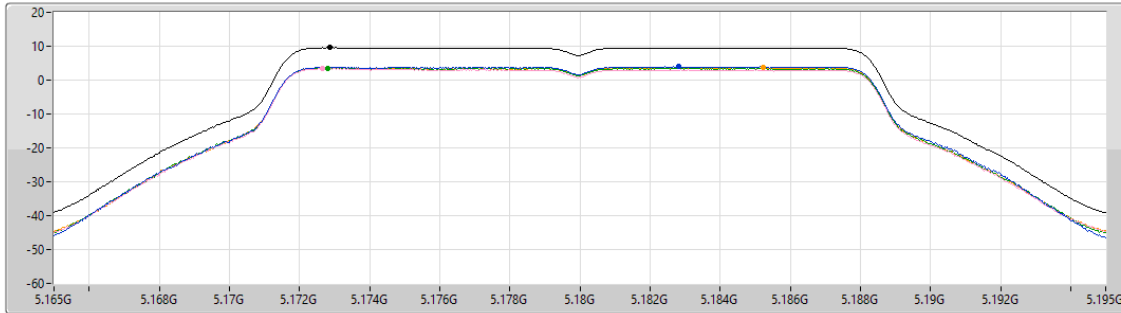
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.58	9.58	3.94	3.35	3.53	3.68

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

PSD

5200MHz

24/01/2025

CF (Hz)
5.2G

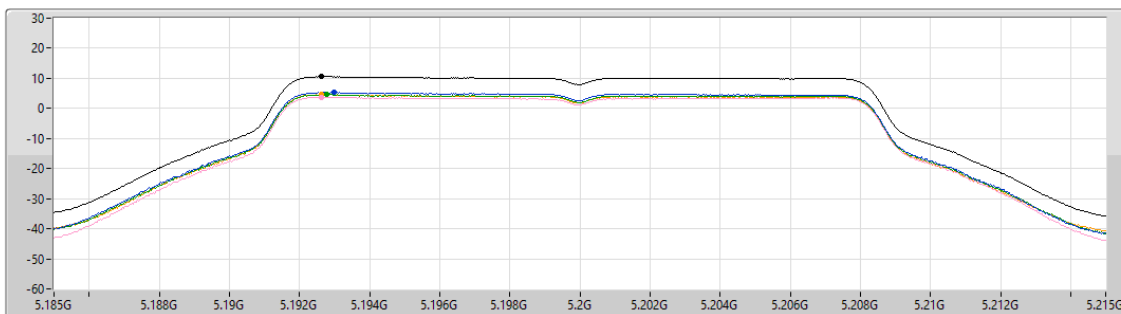
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.59	10.59	5.31	3.75	4.59	4.59

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

PSD

5240MHz

24/01/2025

CF (Hz)
5.24G

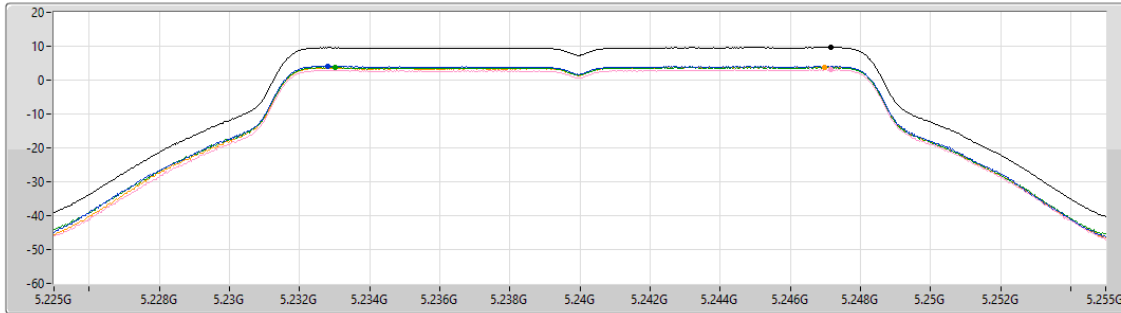
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.69	9.69	4.15	3.10	3.75	3.85

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

PSD

5180MHz

24/01/2025

CF (Hz)
5.18G

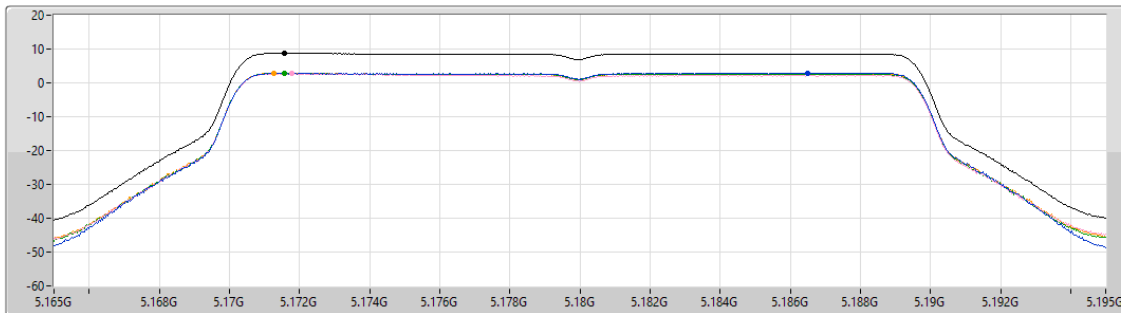
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.77	8.77	2.90	2.71	2.79	2.83

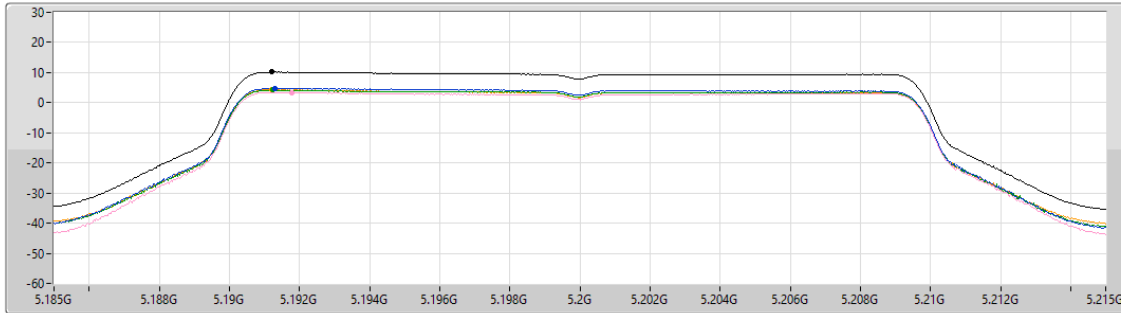
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

24/01/2025

CF (Hz)
5.2G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.19	10.19	4.77	3.43	4.17	4.35

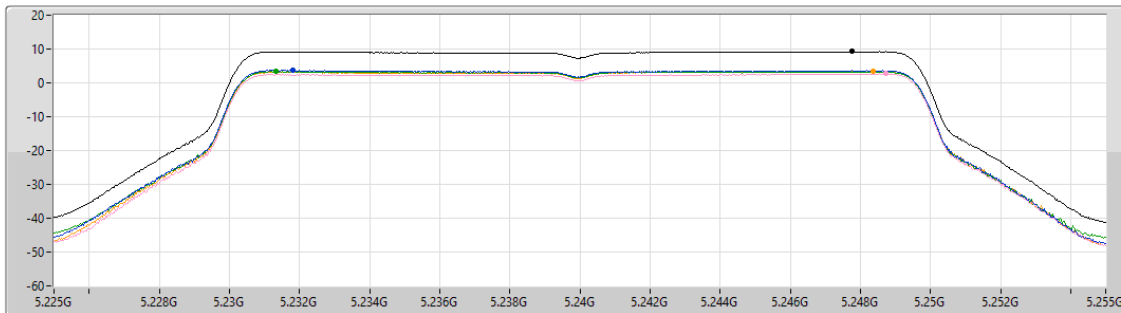
5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

24/01/2025

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.23	9.23	3.69	2.73	3.37	3.39

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

PSD

5190MHz

24/01/2025

CF (Hz)
5.19G

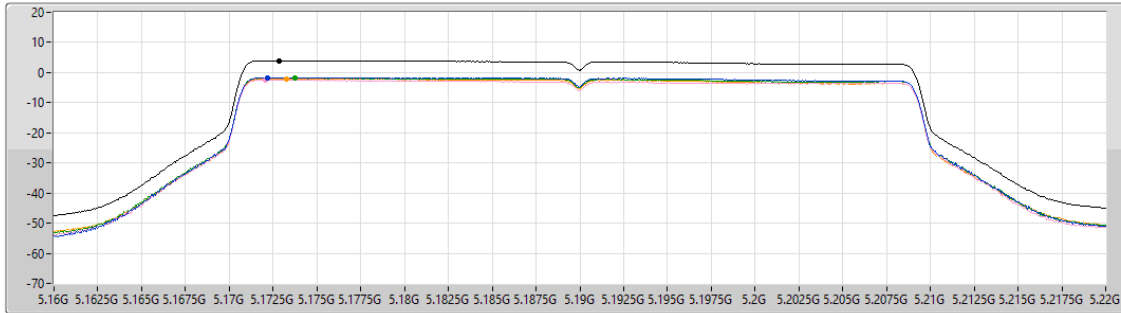
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.99	3.99	-1.73	-2.46	-1.74	-2.01

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

PSD

5230MHz

24/01/2025

CF (Hz)
5.23G

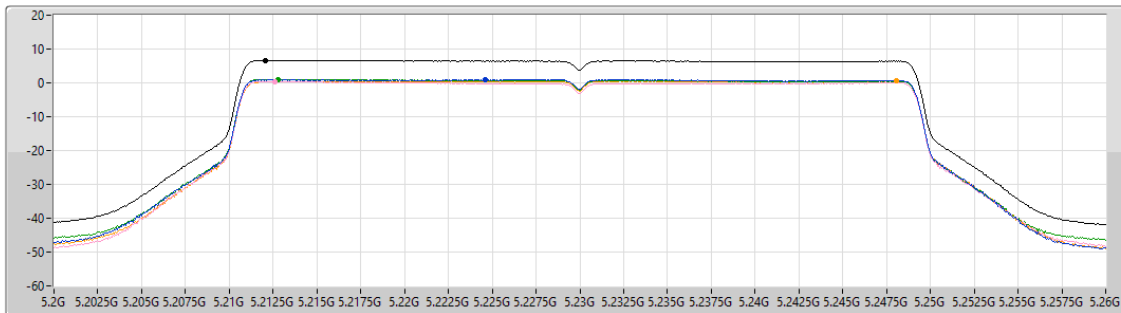
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.64	6.64	0.93	0.38	1.07	0.54

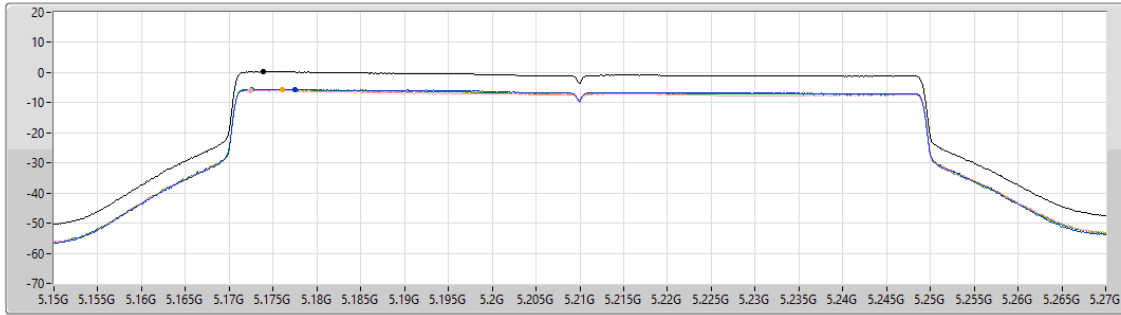
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

24/01/2025

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.22	0.22	-5.64	-6.09	-5.60	-5.60



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-1.88
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-1.76
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-0.26
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-0.50
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-3.76
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-2.65

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	-1.88				-1.88	15.49
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	-1.76				-1.76	15.49
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-3.07	-3.16			-0.26	13.78
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-3.34	-3.56			-0.50	13.78
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	-9.60	-9.57	-9.69	-9.42	-3.76	10.77
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	-7.98	-8.55	-8.49	-8.55	-2.65	10.77

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 EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5210MHz

15/02/2025

CF (Hz)
5.21G

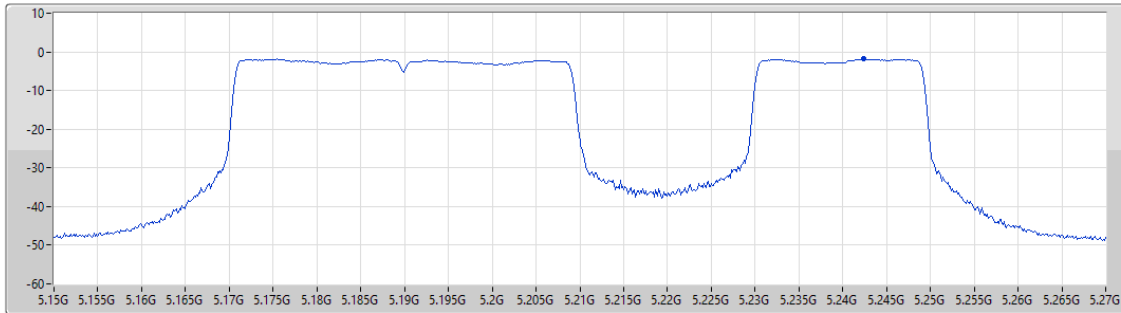
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.88	-1.88	-1.88

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5210MHz

15/02/2025

CF (Hz)
5.21G

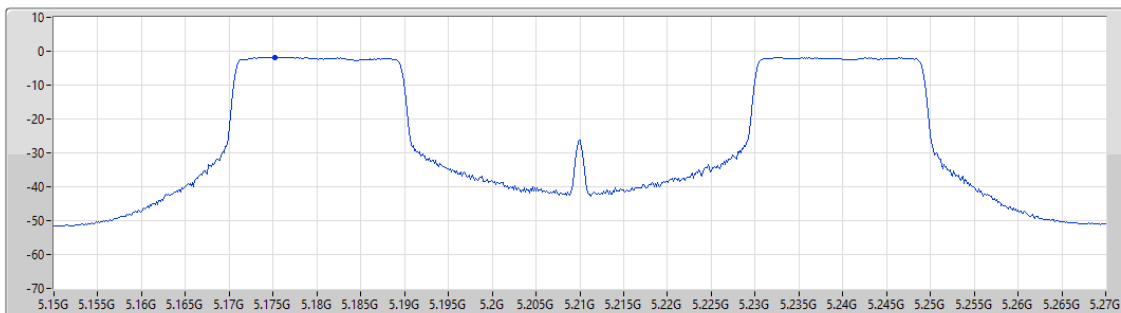
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

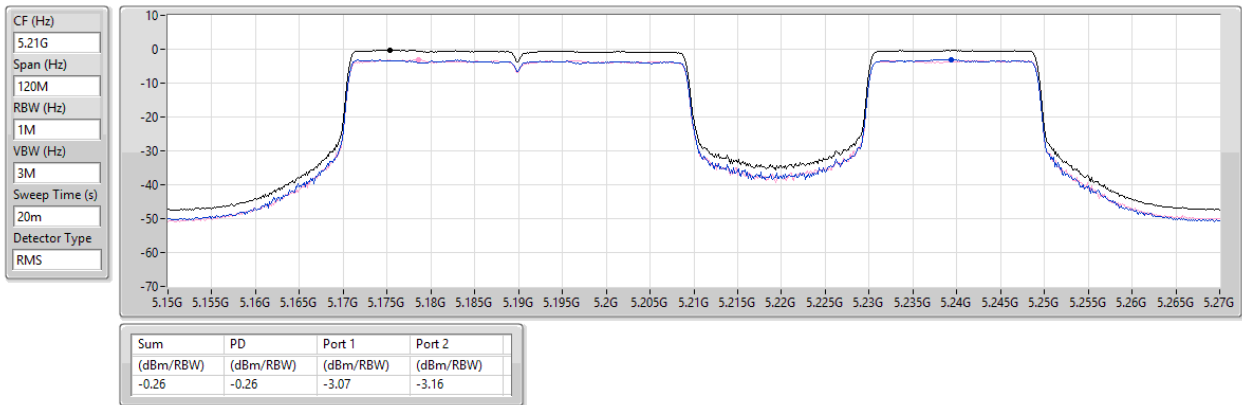
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.76	-1.76	-1.76

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5210MHz

15/02/2025

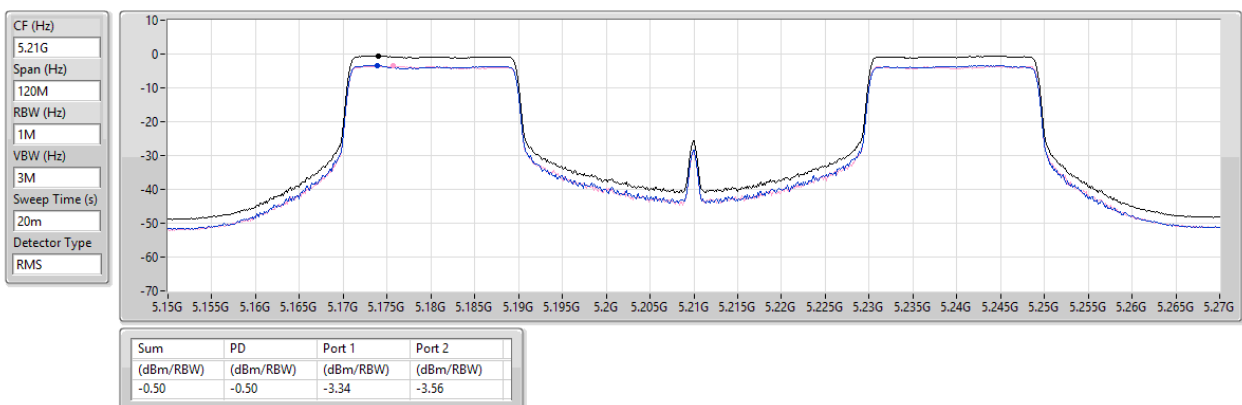


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX

PSD

5210MHz

15/02/2025



5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX

PSD

5210MHz

15/02/2025

CF (Hz)
5.21G

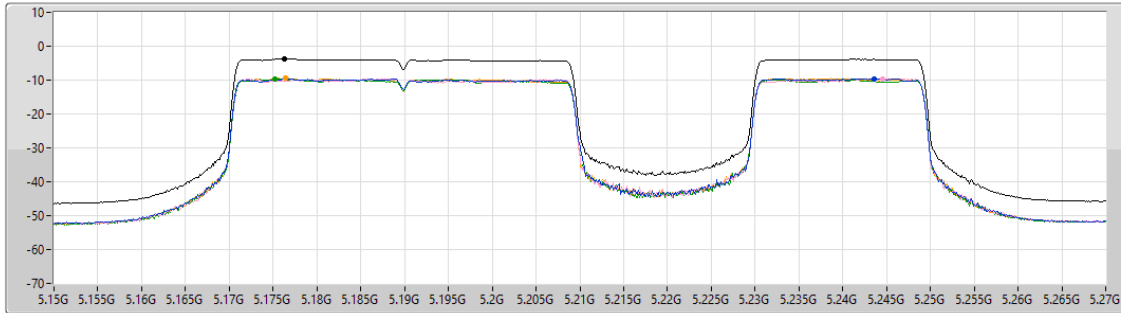
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-9.60	-9.57	-9.69	-9.42

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5210MHz

15/02/2025

CF (Hz)
5.21G

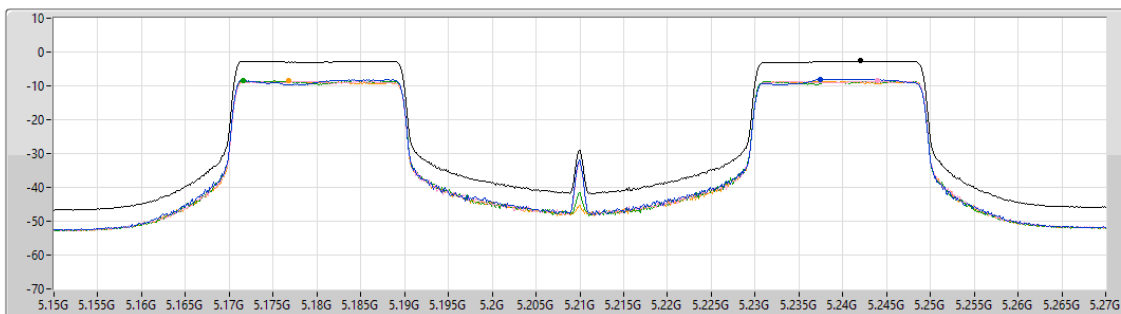
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.65	-2.65	-7.98	-8.55	-8.49	-8.55



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0)_1TX	-1.52
802.11be EHT80_Nss1,(MCS0)_2TX	-0.51
802.11be EHT80_Nss1,(MCS0)_4TX	-3.90

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



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	-1.52				-1.52	15.49
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-3.39	-3.53			-0.51	13.78
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	-9.88	-10.02	-9.81	-9.74	-3.90	10.77

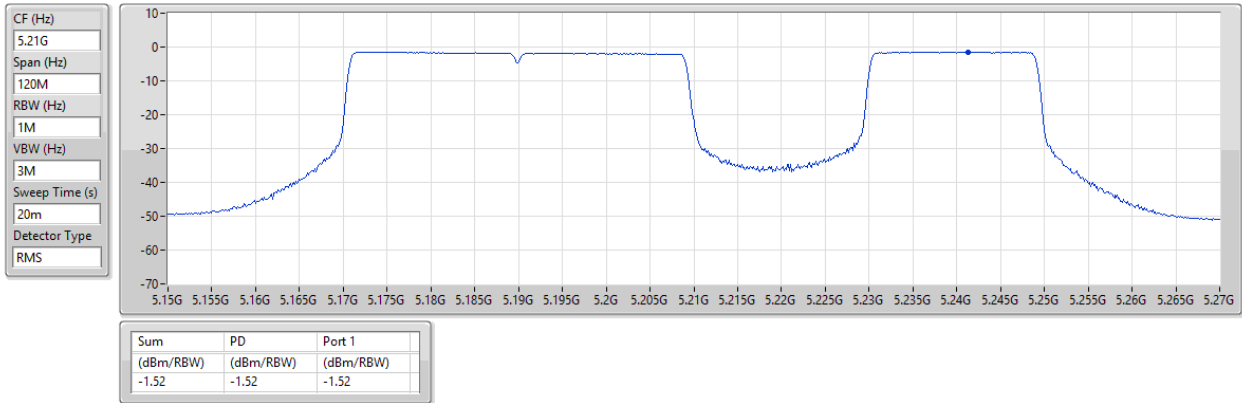
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX

PSD

5210MHz

15/02/2025

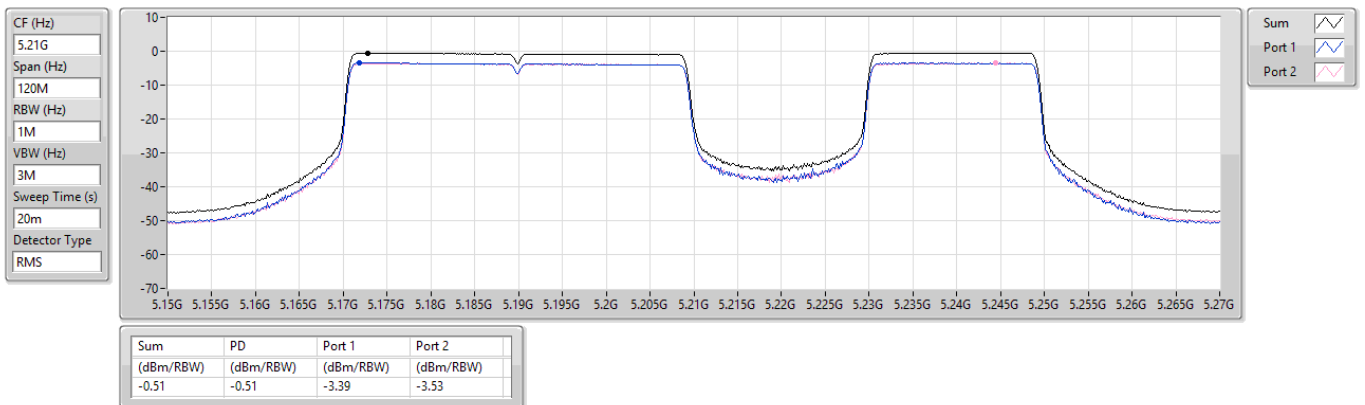


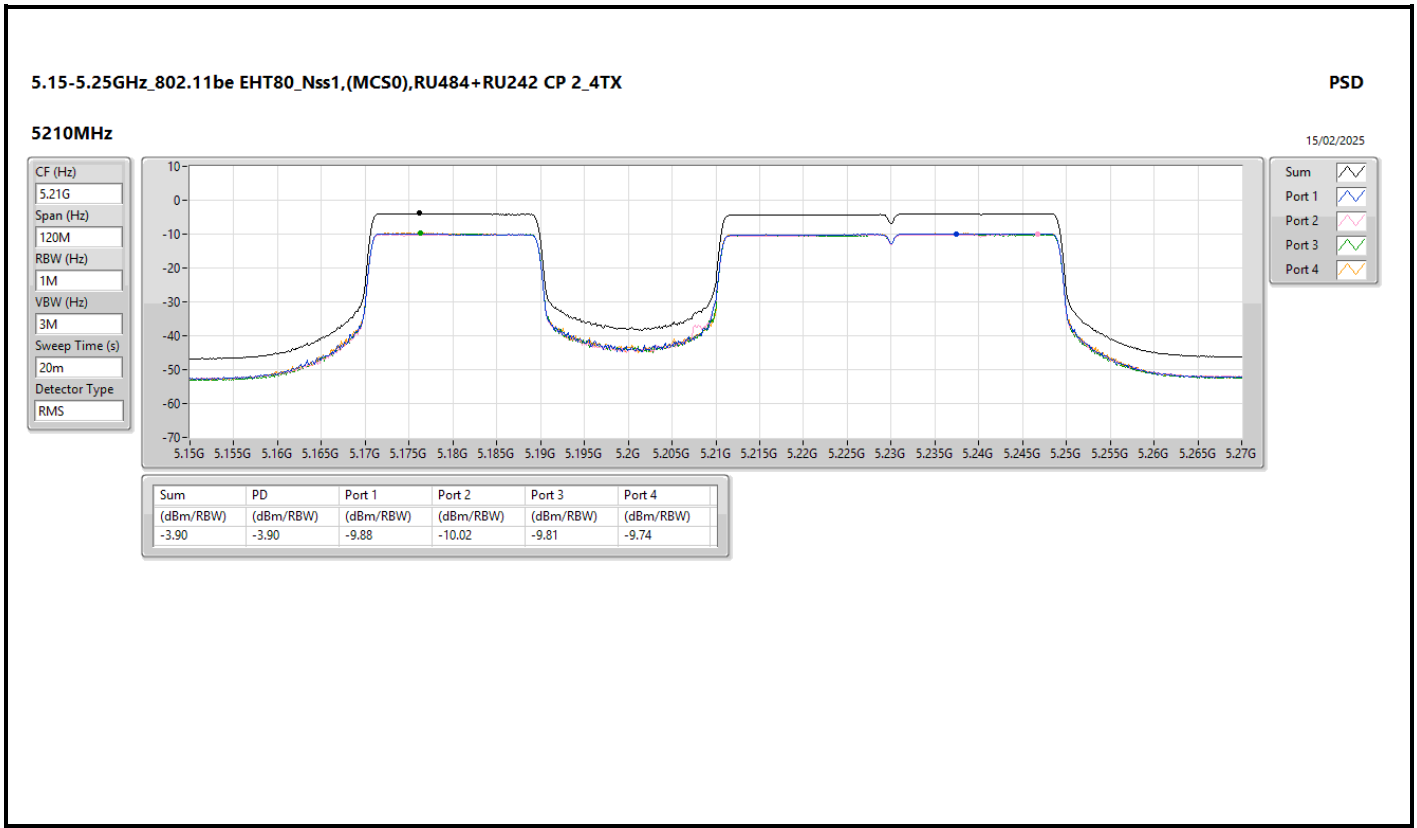
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX

PSD

5210MHz

15/02/2025







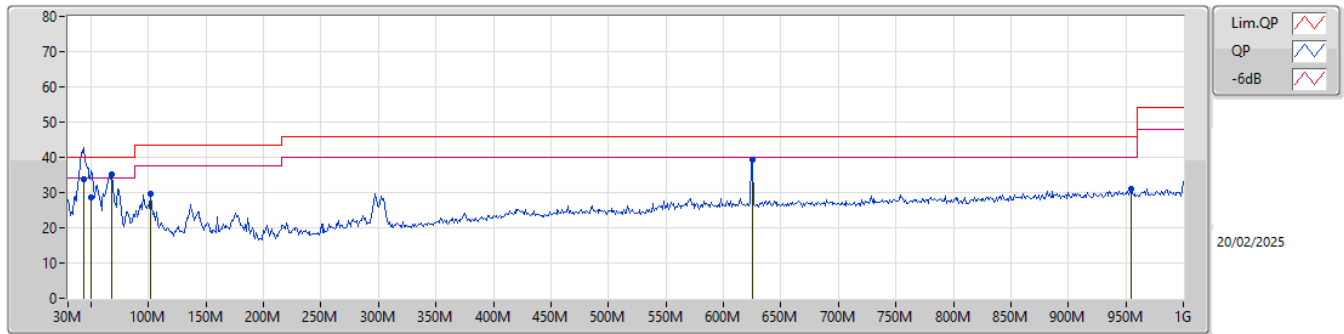
Radiated Emissions below 1GHz

Appendix E.1

Summary

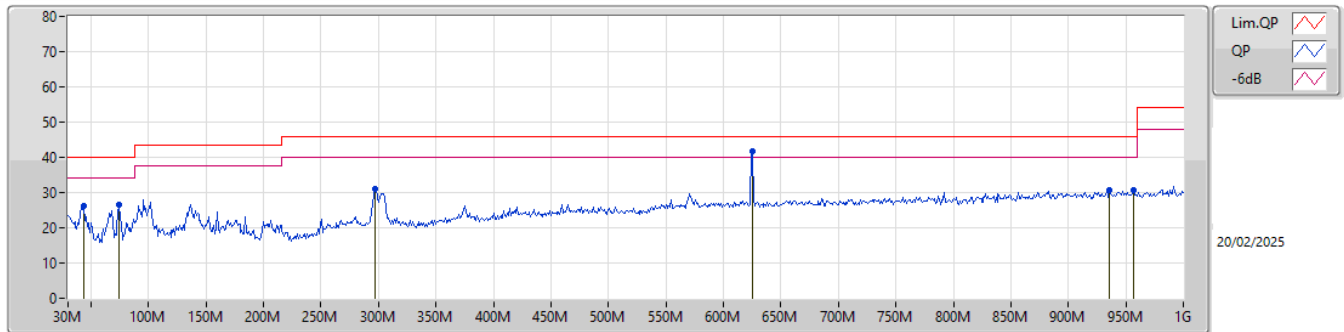
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 13	Pass	PK	625.58M	41.76	46.00	-4.24	Horizontal

Mode 13



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	43.58M	33.73	40.00	-6.27	-13.39	3	Vertical	357	1.00	-	47.12	17.10	1.10	31.59		
QP	50.37M	28.46	40.00	-11.54	-16.22	3	Vertical	353	1.00	-	44.68	14.25	1.16	31.63		
PK	67.83M	35.24	40.00	-4.76	-17.88	3	Vertical	12	1.50	"Worst"	53.12	12.51	1.30	31.69		
PK	101.78M	29.53	43.50	-13.97	-13.16	3	Vertical	186	1.00	-	42.69	17.04	1.54	31.74		
PK	625.58M	39.34	46.00	-6.66	-3.79	3	Vertical	86	1.00	-	43.13	24.64	3.85	32.28		
PK	954.41M	31.13	46.00	-14.87	-0.83	3	Vertical	357	1.50	-	31.96	26.68	4.80	32.31		

Mode 13



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
PK	43.58M	26.31	40.00	-13.69	-13.39	3	Horizontal	212	1.50	-	39.70	17.10	1.10	31.59		
PK	74.62M	26.49	40.00	-13.51	-17.59	3	Horizontal	115	1.50	-	44.08	12.76	1.36	31.71		
PK	296.75M	31.09	46.00	-14.91	-10.14	3	Horizontal	167	1.00	-	41.23	19.08	2.62	31.84		
PK	625.58M	41.76	46.00	-4.24	-3.79	3	Horizontal	131	1.50	"Worst"	45.55	24.64	3.85	32.28		
PK	935.98M	30.54	46.00	-15.46	-1.15	3	Horizontal	281	1.00	-	31.69	26.42	4.75	32.32		
PK	956.35M	30.81	46.00	-15.19	-0.78	3	Horizontal	318	1.50	-	31.59	26.72	4.81	32.31		

Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	EIRP (dBm)	Psum (dBm)	P1 (dBm)	Limit (dBm)	Margin (dB)	DG (dBi)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1.(6Mbps)_1TX	Pass	1G	8G	AV	-52.44	-57.34	-57.34	-41.20	-11.24	4.90
802.11ax HEW20_Nss1.(MCS0)_1TX	Pass	1G	8G	AV	-48.69	-53.59	-53.59	-41.20	-7.49	4.90
802.11ax HEW40_Nss1.(MCS0)_1TX	Pass	1G	8G	AV	-46.25	-51.15	-51.15	-41.20	-5.05	4.90
802.11ax HEW80_Nss1.(MCS0)_1TX	Pass	1G	8G	AV	-43.26	-48.16	-48.16	-41.20	-2.06	4.90

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1.(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	8G	AV	5.03725G	4.90	-60.74	-60.74	-55.84	-41.20	-14.64
5180MHz	Pass	1G	8G	AV	5.35925G	4.90	-62.67	-62.67	-57.77	-41.20	-16.57
5180MHz	Pass	1G	8G	PK	5.13G	4.90	-50.60	-50.60	-45.70	-21.20	-24.50
5180MHz	Pass	1G	8G	PK	5.35575G	4.90	-52.19	-52.19	-47.29	-21.20	-26.09
5180MHz	Pass	1G	8G	PK	5.53688G	4.90	-54.54	-54.54	-49.64	-27.00	-22.64
5180MHz	Pass	1G	8G	PK	6.33663G	4.90	-53.15	-53.15	-48.25	-27.00	-21.25
5200MHz	Pass	1G	8G	AV	5.12825G	4.90	-57.34	-57.34	-52.44	-41.20	-11.24
5200MHz	Pass	1G	8G	AV	5.36013G	4.90	-60.54	-60.54	-55.64	-41.20	-14.44
5200MHz	Pass	1G	8G	PK	5.1335G	4.90	-48.50	-48.50	-43.60	-21.20	-22.40
5200MHz	Pass	1G	8G	PK	5.35488G	4.90	-52.99	-52.99	-48.09	-21.20	-26.89
5200MHz	Pass	1G	8G	PK	5.55963G	4.90	-54.47	-54.47	-49.57	-27.00	-22.57
5200MHz	Pass	1G	8G	PK	6.38825G	4.90	-52.89	-52.89	-47.99	-27.00	-20.99
5240MHz	Pass	1G	8G	AV	5.08275G	4.90	-60.44	-60.44	-55.54	-41.20	-14.34
5240MHz	Pass	1G	8G	AV	5.38288G	4.90	-61.07	-61.07	-56.17	-41.20	-14.97
5240MHz	Pass	1G	8G	PK	5.07225G	4.90	-52.01	-52.01	-47.11	-21.20	-25.91
5240MHz	Pass	1G	8G	PK	5.37588G	4.90	-52.28	-52.28	-47.38	-21.20	-26.18
5240MHz	Pass	1G	8G	PK	5.61738G	4.90	-54.73	-54.73	-49.83	-27.00	-22.83
5240MHz	Pass	1G	8G	PK	6.13538G	4.90	-53.30	-53.30	-48.40	-27.00	-21.40
802.11ax HEW20_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	8G	AV	5.13175G	4.90	-60.63	-60.63	-55.73	-41.20	-14.53
5180MHz	Pass	1G	8G	AV	5.354G	4.90	-62.46	-62.46	-57.56	-41.20	-16.36
5180MHz	Pass	1G	8G	PK	5.13088G	4.90	-52.03	-52.03	-47.13	-21.20	-25.93
5180MHz	Pass	1G	8G	PK	5.37325G	4.90	-55.63	-55.63	-50.73	-21.20	-29.53
5180MHz	Pass	1G	8G	PK	5.97788G	4.90	-55.15	-55.15	-50.25	-27.00	-23.25
5180MHz	Pass	1G	8G	PK	6.35238G	4.90	-54.34	-54.34	-49.44	-27.00	-22.44
5200MHz	Pass	1G	8G	AV	5.12825G	4.90	-53.59	-53.59	-48.69	-41.20	-7.49
5200MHz	Pass	1G	8G	AV	5.35575G	4.90	-60.55	-60.55	-55.65	-41.20	-14.45
5200MHz	Pass	1G	8G	PK	5.13438G	4.90	-46.14	-46.14	-41.24	-21.20	-20.04
5200MHz	Pass	1G	8G	PK	5.36625G	4.90	-52.19	-52.19	-47.29	-21.20	-26.09
5200MHz	Pass	1G	8G	PK	5.56575G	4.90	-54.65	-54.65	-49.75	-27.00	-22.75
5240MHz	Pass	1G	8G	AV	5.07488G	4.90	-60.75	-60.75	-55.85	-41.20	-14.65
5240MHz	Pass	1G	8G	AV	5.35225G	4.90	-60.66	-60.66	-55.76	-41.20	-14.56
5240MHz	Pass	1G	8G	PK	5.06175G	4.90	-51.72	-51.72	-46.82	-21.20	-25.62
5240MHz	Pass	1G	8G	PK	5.35838G	4.90	-51.93	-51.93	-47.03	-21.20	-25.83
5240MHz	Pass	1G	8G	PK	5.82125G	4.90	-54.29	-54.29	-49.39	-27.00	-22.39
5240MHz	Pass	1G	8G	PK	6.56325G	4.90	-53.74	-53.74	-48.84	-27.00	-21.84
802.11ax HEW40_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	1G	8G	AV	5.13088G	4.90	-51.15	-51.15	-46.25	-41.20	-5.05
5190MHz	Pass	1G	8G	AV	5.35838G	4.90	-60.83	-60.83	-55.93	-41.20	-14.73
5190MHz	Pass	1G	8G	PK	5.12913G	4.90	-40.84	-40.84	-35.94	-21.20	-14.74
5190MHz	Pass	1G	8G	PK	5.35663G	4.90	-52.37	-52.37	-47.47	-21.20	-26.27
5190MHz	Pass	1G	8G	PK	5.70838G	4.90	-55.07	-55.07	-50.17	-27.00	-23.17
5230MHz	Pass	1G	8G	AV	5.12738G	4.90	-54.31	-54.31	-49.41	-41.20	-8.21
5230MHz	Pass	1G	8G	AV	5.35313G	4.90	-55.18	-55.18	-50.28	-41.20	-9.08
5230MHz	Pass	1G	8G	PK	5.13263G	4.90	-45.44	-45.44	-40.54	-21.20	-19.34
5230MHz	Pass	1G	8G	PK	5.3505G	4.90	-46.31	-46.31	-41.41	-21.20	-20.21
5230MHz	Pass	1G	8G	PK	5.578G	4.90	-54.56	-54.56	-49.66	-27.00	-22.66
802.11ax HEW80_Nss1.(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	1G	8G	AV	5.12475G	4.90	-48.16	-48.16	-43.26	-41.20	-2.06
5210MHz	Pass	1G	8G	AV	5.3505G	4.90	-58.27	-58.27	-53.37	-41.20	-12.17
5210MHz	Pass	1G	8G	PK	5.12913G	4.90	-39.07	-39.07	-34.17	-21.20	-12.97
5210MHz	Pass	1G	8G	PK	5.361G	4.90	-47.35	-47.35	-42.45	-21.20	-21.25
5210MHz	Pass	1G	8G	PK	5.58238G	4.90	-54.80	-54.80	-49.90	-27.00	-22.90

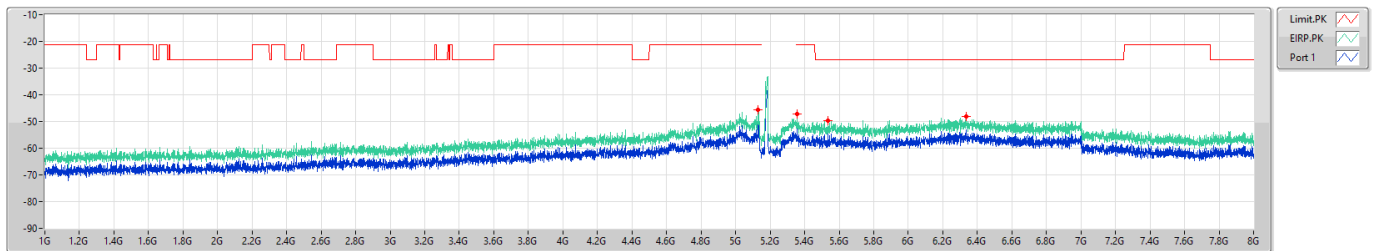
DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

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

CSE Other [PK]

5180MHz

25/12/2024



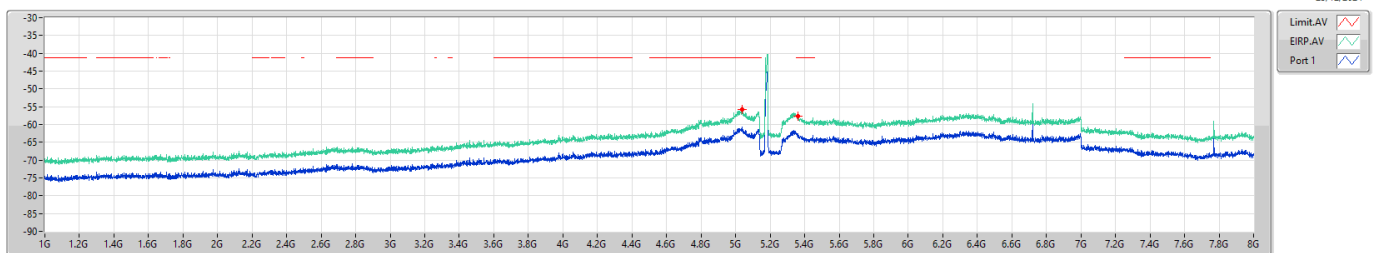
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	PK	5.13G	-45.70	-21.20	-24.50	4.90	0.00	-50.60	-50.60
1G	8G	1M	PK	5.35575G	-47.29	-21.20	-26.09	4.90	0.00	-52.19	-52.19
1G	8G	1M	PK	5.53688G	-49.64	-27.00	-22.64	4.90	0.00	-54.54	-54.54
1G	8G	1M	PK	6.33663G	-48.25	-27.00	-21.25	4.90	0.00	-53.15	-53.15

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

CSE Other [AV]

5180MHz

25/12/2024



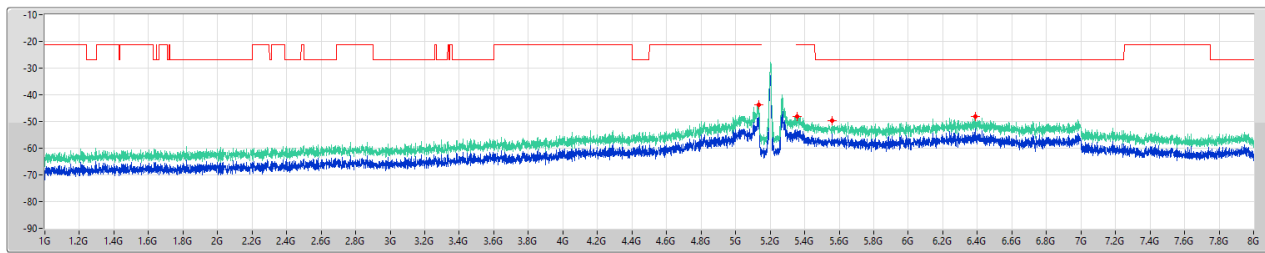
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	AV	5.03725G	-55.84	-41.20	-14.64	4.90	0.00	-60.74	-60.74
1G	8G	1M	AV	5.35925G	-57.77	-41.20	-16.57	4.90	0.00	-62.67	-62.67

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

CSE Other [PK]

5200MHz

25/12/2024



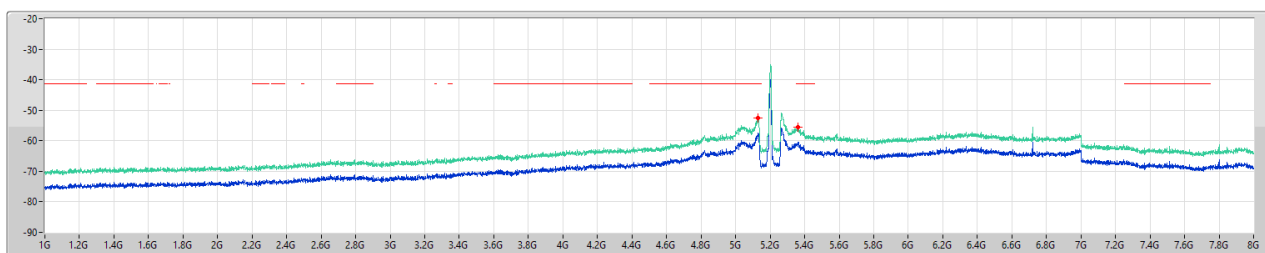
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	PK	5.1335G	-43.60	-21.20	-22.40	4.90	0.00	-48.50	-48.50
1G	8G	1M	PK	5.35488G	-48.09	-21.20	-26.89	4.90	0.00	-52.99	-52.99
1G	8G	1M	PK	5.55963G	-49.57	-27.00	-22.57	4.90	0.00	-54.47	-54.47
1G	8G	1M	PK	6.38825G	-47.99	-27.00	-20.99	4.90	0.00	-52.89	-52.89

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

CSE Other [AV]

5200MHz

25/12/2024



F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	AV	5.12825G	-52.44	-41.20	-11.24	4.90	0.00	-57.34	-57.34
1G	8G	1M	AV	5.36013G	-55.64	-41.20	-14.44	4.90	0.00	-60.54	-60.54