

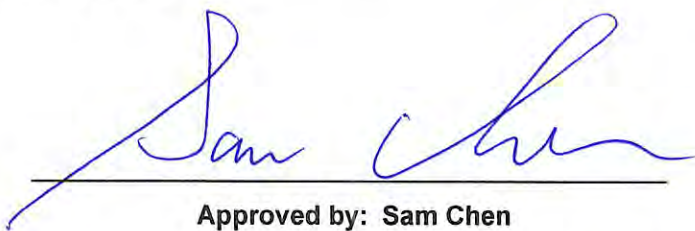


RADIO TEST REPORT

FCC ID : UDX-600216020
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

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	6
1.1 Information.....	6
1.2 Applicable Standards	23
1.3 Testing Location Information	23
1.4 Measurement Uncertainty	24
2 Test Configuration of EUT	25
2.1 Test Channel Mode	25
2.2 The Worst Case Measurement Configuration	32
2.3 EUT Operation during Test	37
2.4 Accessories	37
2.5 Support Equipment.....	38
2.6 Test Setup Diagram	40
3 Transmitter Test Result	43
3.1 AC Power-line Conducted Emissions	43
3.2 Emission Bandwidth	45
3.3 Maximum Output Power	46
3.4 Power Spectral Density	48
3.5 Unwanted Emissions.....	51
4 Test Equipment and Calibration Data	57
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



History of this test report

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

Page Number : 3 of 59
Issued Date : Jul. 14, 2025
Report Version : 01



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 (For Phi 30° and others)	PASS	-
		Maximum Output Power (For others: Radio 1: HEW80 5210MHz; Radio 3: EHT40 5190MHz for 1/4TX & EHT80 5210MHz for 1/4TX; Radio 5 - Internal Ant.: EHT40 5190MHz for 1TX, EHT80 5210MHz for 1/2/4TX & EHT80-BF 5210MHz for 2TX.)	PASS	Data Referencing
3.4	15.407(a)	Power Spectral Density (For others)	PASS	-
		Power Spectral Density (For Radio 1: HEW20 5180MHz, HEW40 5190MHz & HEW80 5210MHz; For Radio 3: Multi-RU for 1/4TX & Puncturing; For Radio 5 - Internal Ant.: Full RU EHT40 5190MHz for 1/4TX & EHT80 5210MHz for 1/2TX, Multi-RU & Puncturing; For Radio 5 - External Ant.: Multi-RU & Puncturing.)	PASS	Data Referencing
3.5	15.407(b)	Unwanted Emissions (Cabinet) for Radio 5	PASS	-
		Unwanted Emissions for others	PASS	Data Referencing

Data Referencing Statement:

This report references test data from the parent device (Original Sporton Report No.: FR4N2714-02AD, FCC ID: UDX-600216010).

The variant device (FCC ID: UDX-600216020) is electrically identical to the parent device for the portions of the circuitry corresponding to the data referencing.

The differences compared to the parent device are as follows:

1. Add Smart Cover-Secure and contact Weatherizes.
2. Change to outdoor by software.
3. Change the label location.
4. Disable UWB by software.

The details of spot-check testing are at the discretion of the applicant's engineering judgment. Accordingly, there were no items required spot-checked in this report. Only the worst-case channel identified in the original report were spot-checked for UNII 2A~3.

The applicant takes full responsibility that the test data as referenced in FCC ID: UDX-600216010 represents compliance with the new FCC ID: UDX-600216020.

**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
				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
					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
				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
					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	Radio 2
4	WNC	57XPAD15.BAU	Dipole	U.FL	
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	
11	WNC	57XPAD15.JAU	Dipole	U.FL	Radio 4
12	WNC	57XPAD15.JAU	Dipole	U.FL	
13	WNC	57XPAD15.KAU	Dipole	U.FL	
14	WNC	57XPAD15.KAU	Dipole	U.FL	
15	WNC	57XPAD15.EAU	Dipole	U.FL	Radio 5
16	WNC	57XPAD15.EAU	Dipole	U.FL	
17	WNC	57XPAD15.FAU	Dipole	U.FL	
18	WNC	57XPAD15.FAU	Dipole	U.FL	
19	WNC	57XPAD15.NAU	Loop	U.FL	Radio 6
20	WNC	57XPAD15.PAU	PIFA	U.FL	Radio 7
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	UNII 7	
1	1	3.7	4.9	6.1	5.0	5.8	Radio 1
2	2	5.1	4.5	5.2	5.5	6.4	
3	1	5.0	-	-	-	-	Radio 2
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 7	
11	3	Narrow Beam	9.2	9.0	Radio 4
		Wide Beam	5.4	5.3	
12	4	Narrow Beam	9.2	8.7	
		Wide Beam	5.1	5.2	
13	2	Narrow Beam	10.0	9.8	
		Wide Beam	6.4	6.5	
14	1	Narrow Beam	9.8	10.1	
		Wide Beam	5.6	6.2	

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	Radio 7
7	1	CISCO	CW-ANT-GPS1-M-00	OMNI	MMCX	

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 Manufacturer declared that the internal Ant. 22~23 (Radio 8) will not function when the EUT is used.

Note 2: The above information was declared by manufacturer.

Note 3: 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 4: 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 ≤ 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 5)	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 5)	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 5)	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 5)	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 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 5)	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 5)	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	Cross-Polarized Antenna
		4TX	5	4.3	5.1	5.3	7.95	
3	5G UNII 1 (Note 5)	2TX	10.4	9.9	-	-	10.4	
		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 5)	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 5)	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 5)	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 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	
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 5)	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	



Radio	Mode		Max Gain (dBi)				DG (dBi)	Remark
			G1	G2	G3	G4		
5	5G UNII 2A Internal (Note 5)	2TX	9.4	9	-	-	9.4	Cross-Polarized Antenna
		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 5: 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 6: **<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.

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 MRU 3	0.851	0.7	2.744m	500
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1	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 MRU 3	0.894	0.49	2.744m	500
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1	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 CP 2	0.997	0.01	5.453m	10
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3	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]			

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	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	Cisco	Not Support
		20/40/80	UNII 2C~3	Meraki	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&7, Bluetooth, Zigbee and GPS
Mesh	6GHz UNII 5&7

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	-	-	-	-	-	Unable to use	-

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 ISCED.

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (Others)	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
RF Conducted (Power/PSD/EBW)	TH03-CB	Ederson Huang	21.9~22.8 / 57~62	Dec. 18, 2024~ Apr. 08, 2025
Radiated < 1GHz	03CH05-CB	Jackson Peng	21.9~22.4 / 60~62	Feb. 19, 2025~ Feb. 25, 2025
Radiated > 1GHz (Others for R1 & R3)	03CH06-CB	Jackson Peng	22.5~22.9 / 58~60	Feb. 06, 2025~ Feb. 08, 2025
Radiated > 1GHz (Others for R5)	03CH06-CB	Jackson Peng	22.5~22.9 / 58~60	Jun. 17, 2025
Radiated (Co-location)	03CH05-CB	Jackson Peng	21.9~22.4 / 60~62	Mar. 24, 2025
AC Conduction	CO01-CB	Tim Chen	19~20 / 62~63	Apr. 25, 2025
Spot Check	TH03-CB	Ederson Huang	21.9~22.8 / 57~62	Apr. 24, 2025~ May 09, 2025

Note: The tested sample for AC Conduction, RF Conducted (Power/PSD/EBW), Radiated > 1GHz (Others for R5) and Spot Check tests were received on Dec. 18, 2024.



1.4 Measurement Uncertainty

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

Test 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
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%



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							
	1. The EUT performed the testing on "LAN 0" and "LAN 1" ports. The "LAN 1" port generated the worst case. Consequently, the measurement will follow this same test mode. 2. The EUT performed the testing with PoE 1~8. The "PoE 4" generated the worst case. Consequently, the measurement will follow this same test mode. 3. The EUT performed the testing with 2.4GHz, 5GHz and 6GHz in Radio 1. The 2.4GHz in Radio 1 generated the worst case. Consequently, the measurement will follow this same test mode. 4. The EUT performed the testing with Bluetooth and Zigbee in Radio 6. The Bluetooth in Radio 6 generated the worst case. Consequently, the measurement will follow this same test mode. 5. The EUT performed the testing with Internal Ant. 20, Internal Ant. 21 and External Ant. 7 for GPS function. The Internal Ant. 20 for GPS function generated the worst case. Consequently, the measurement will follow this same test mode. 6. The EUT performed the testing with Boresight mode and Steering mode in Radio 3. The Boresight mode in Radio 3 generated the worst case. Consequently, the measurement will follow this same test mode. 7. The EUT performed the testing with Narrow Beam mode and Wide Beam mode in Radio 4. The Narrow Beam mode in Radio 4 generated the worst case. Consequently, the measurement will follow this same test mode. 8. The EUT performed the testing with Internal Ant. (Boresight mode and Steering mode), External Ant. 1, External Ant. 5 and External Ant. 6 for Radio 5. The mode that Radio 5 is not functioning generated the worst case. Consequently, the measurement will follow this same test mode. 9. The EUT performed the testing with Internal Ant., External Ant. 1, External Ant. 5 and External Ant. 6 for Radio 2. The Internal Ant. for Radio 2 generated the worst case. Consequently, the measurement will follow this same test mode.							
	R1 (2.4GHz/ 5GHz/6GHz)	R2 (2.4GHz)	R3 (5GHz)	R4 (6GHz)	R5 (5GHz)	R6 (BT/ Zigbee)	R7 (GPS)	PoE
1	2.4GHz	Internal Ant.	Boresight	Narrow Beam	N/A	BT	Internal Ant. 20	1 (Test LAN 0)

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)		
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.: FA4N2715-01 for Co-location RF Exposure Evaluation.								

Refer to Sporton Test Report No.: FA4N2715-01 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

Solar shield*1 (Optional)

Bracket*1 (Optional)

Bay cover*1

Rubber gland*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

For Radiated < 1GHz, Radiated > 1GHz (Others for R1 & R3), RF Conducted (Non-beamforming mode) and Spot Check:

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 (Others for R5):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 2	PHIHONG	POE29U-1AT(PL)	N/A

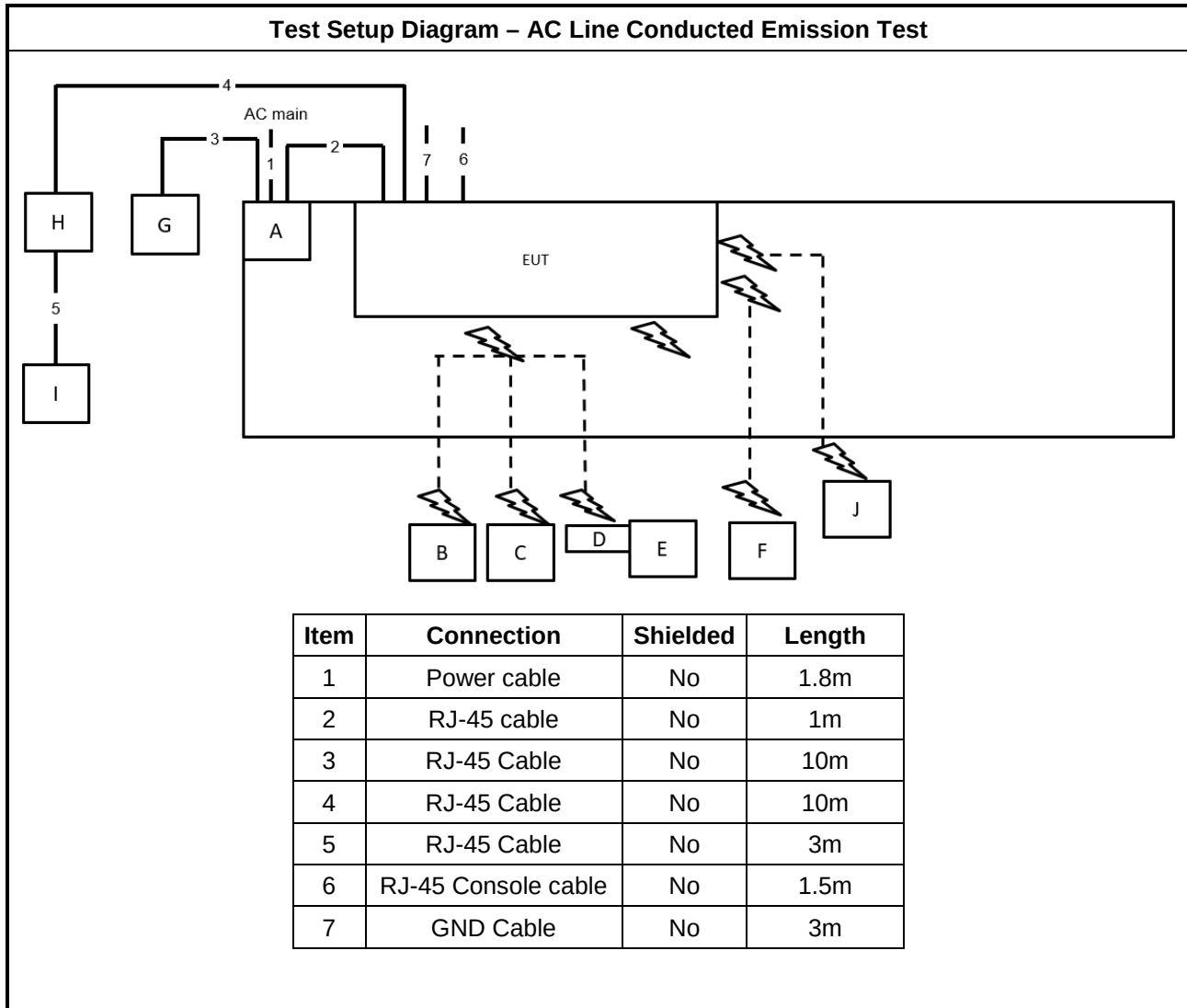
For Radiated (Co-location):

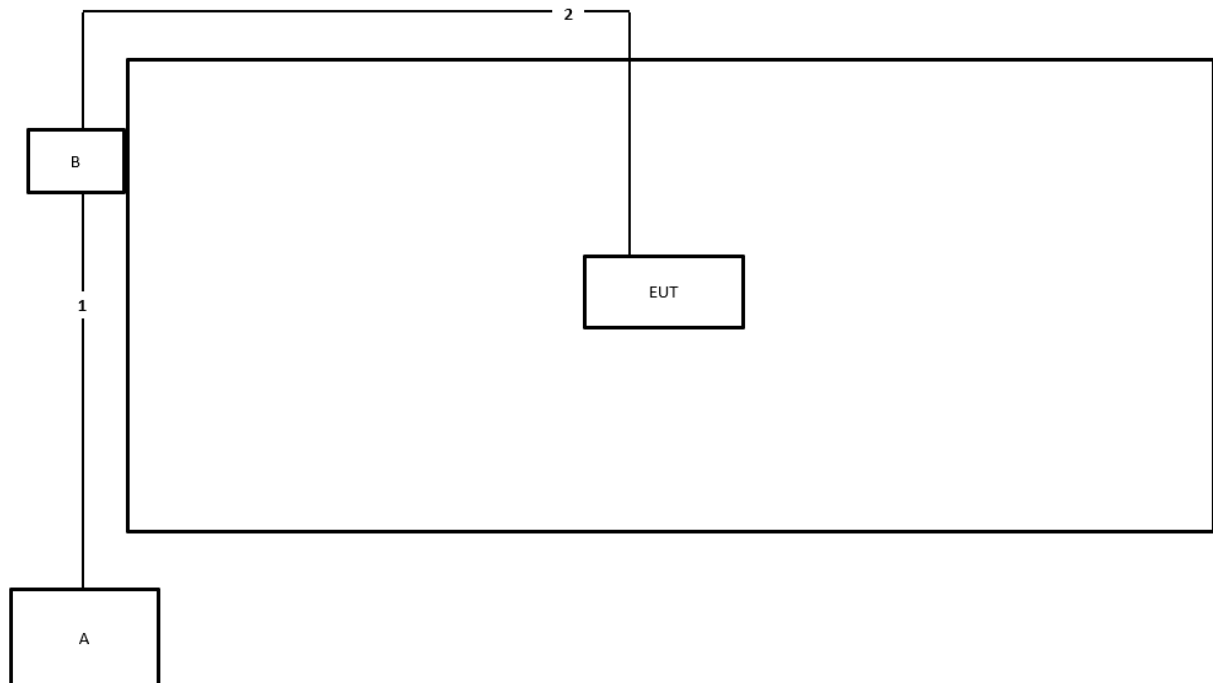
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 4	PHIHONG	POEA33U-1ATE	N/A
C	NB	DELL	E4300	N/A
D	PoE	CISCO	MA-INJ-5	N/A
E	Client	CISCO	Alpine	N/A

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

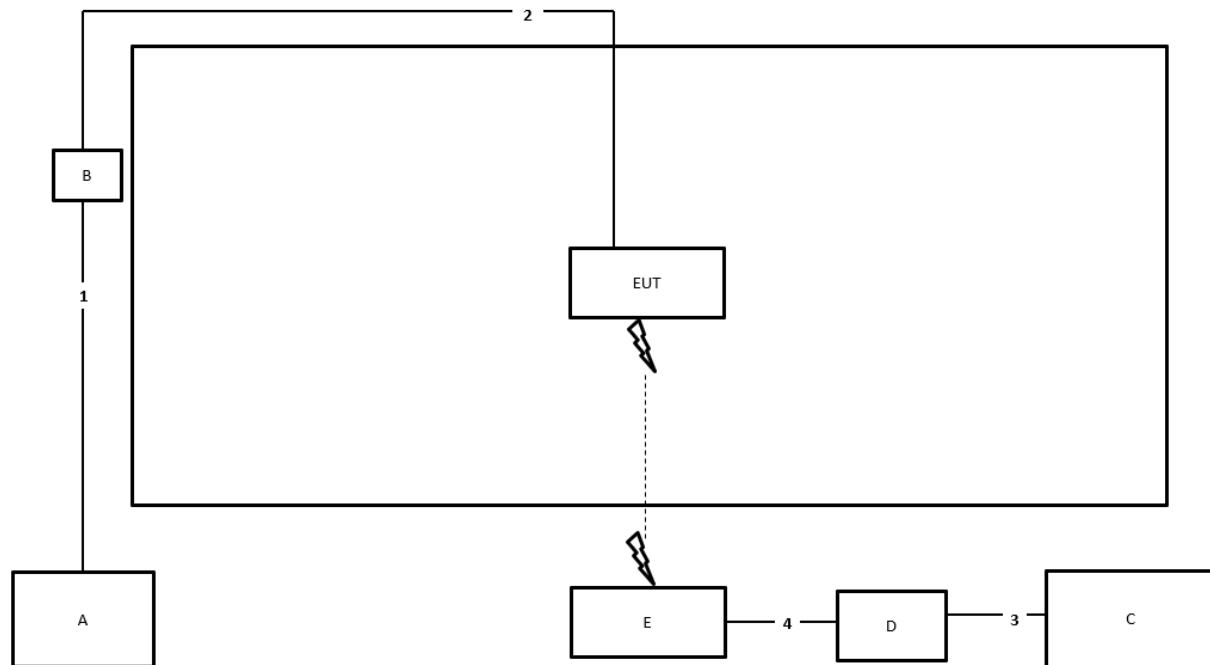
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 4	PHIHONG	POEA33U-1ATE	N/A
C	NB	DELL	E4300	N/A
D	Client	CISCO	Alpine	N/A

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.		

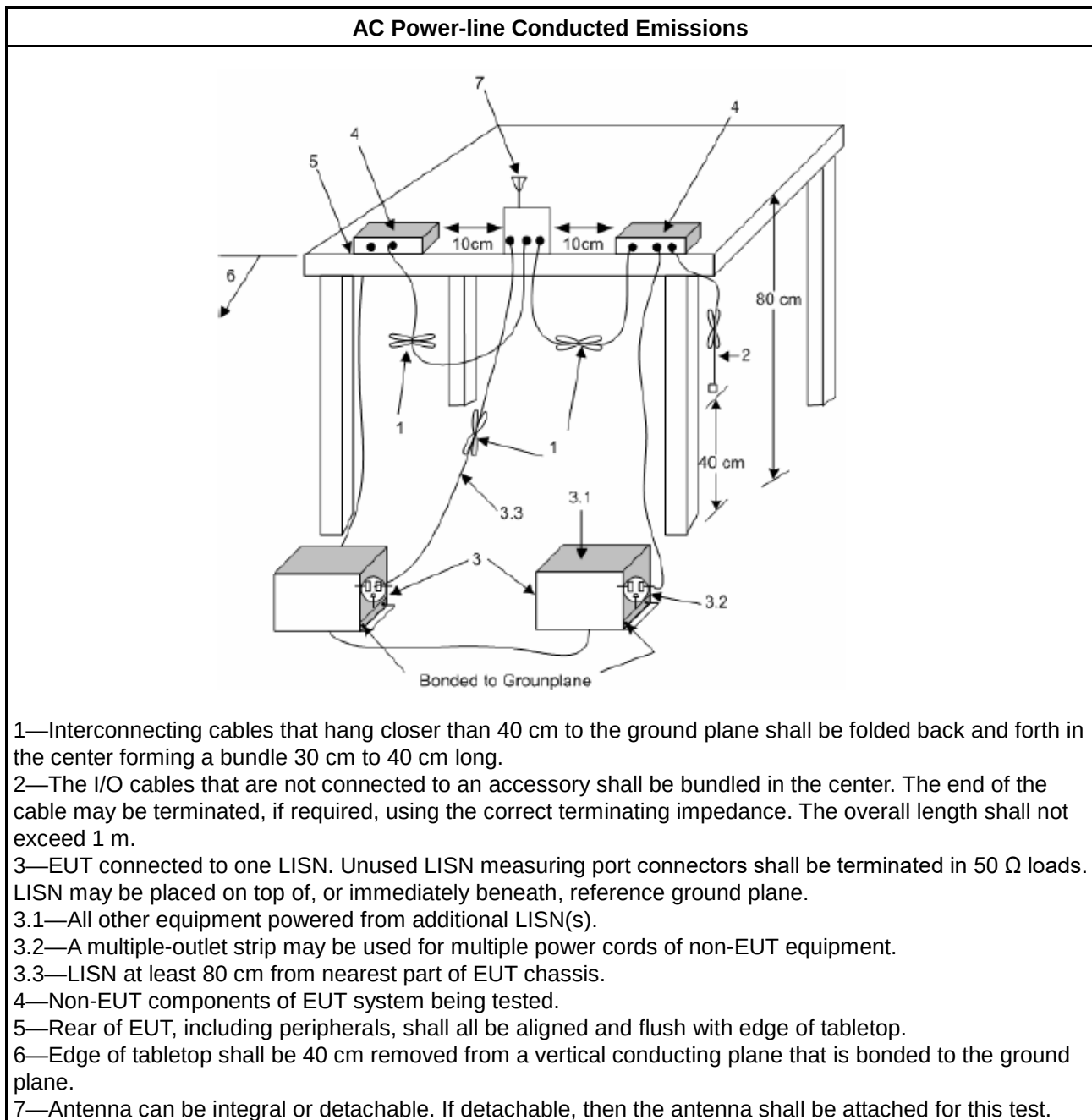
3.1.2 Measuring Instruments

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 $\geq 500\text{kHz}$.

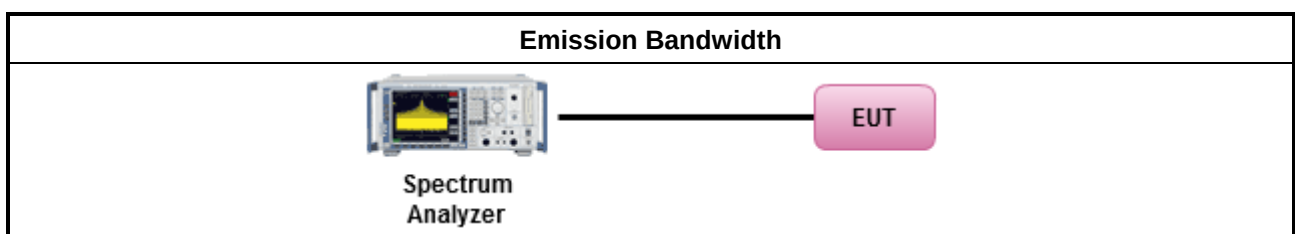
3.2.2 Measuring Instruments

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.	

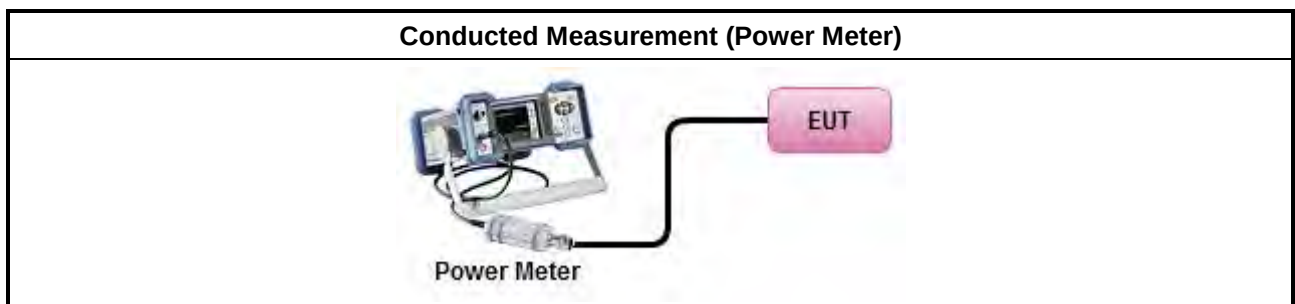
3.3.2 Measuring Instruments

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.

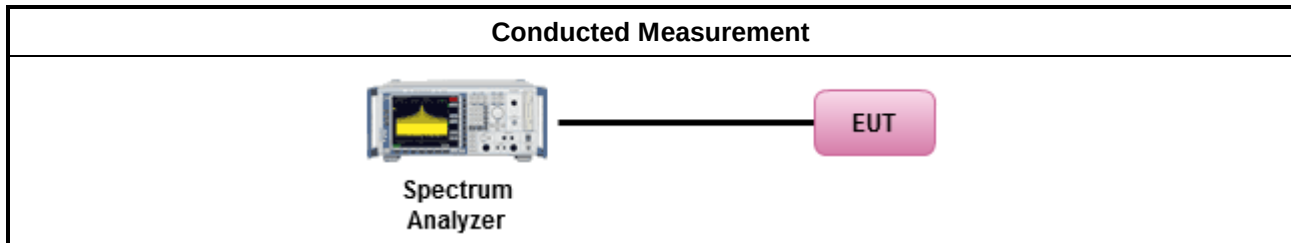


3.4.3 Test Procedures

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.



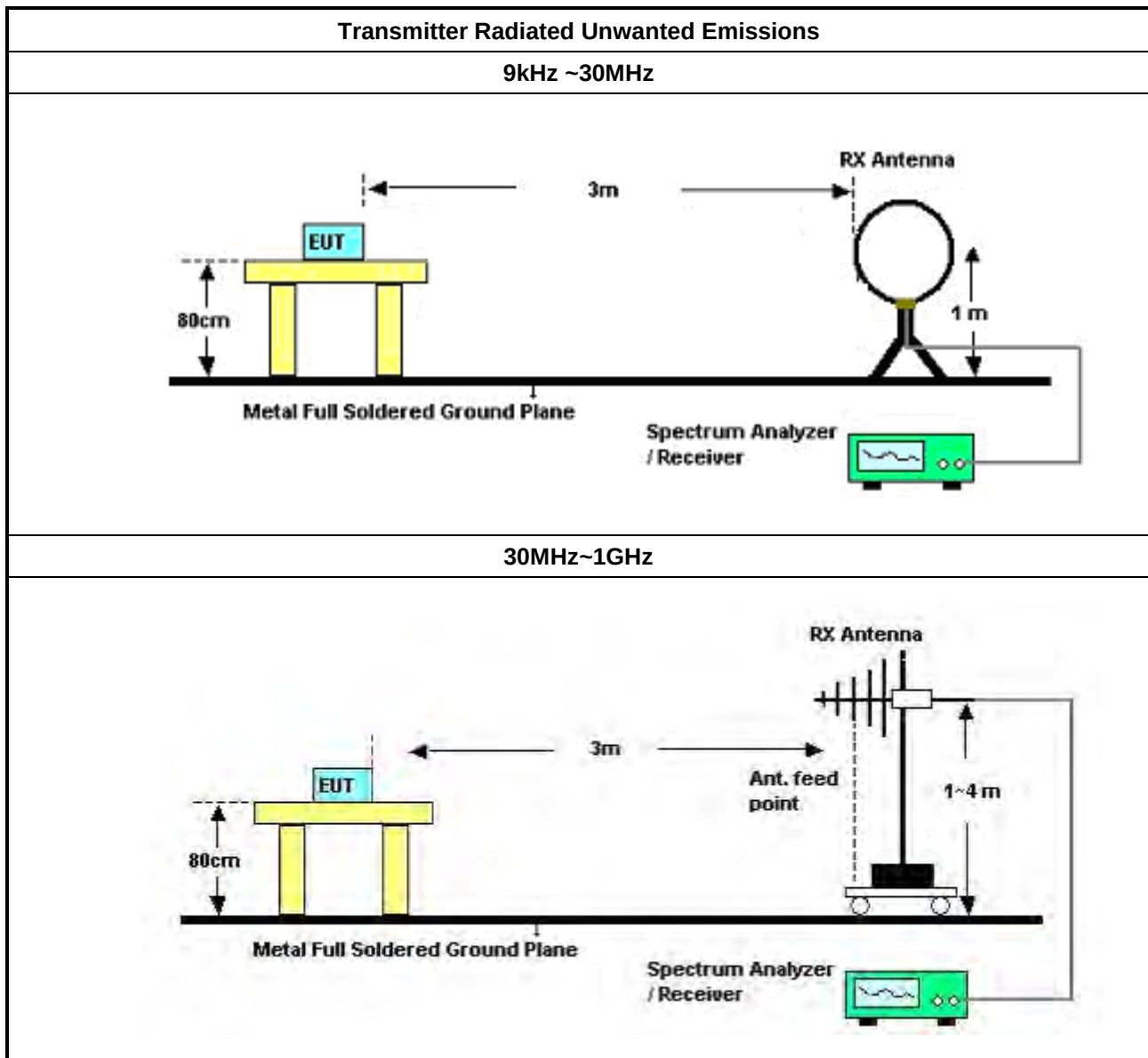
3.5.3 Test Procedures

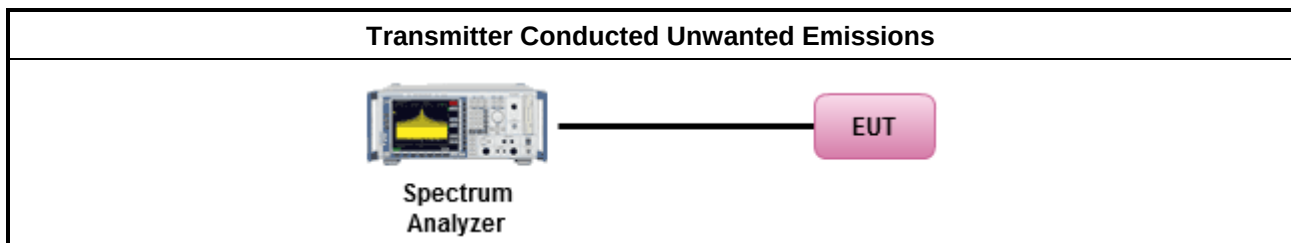
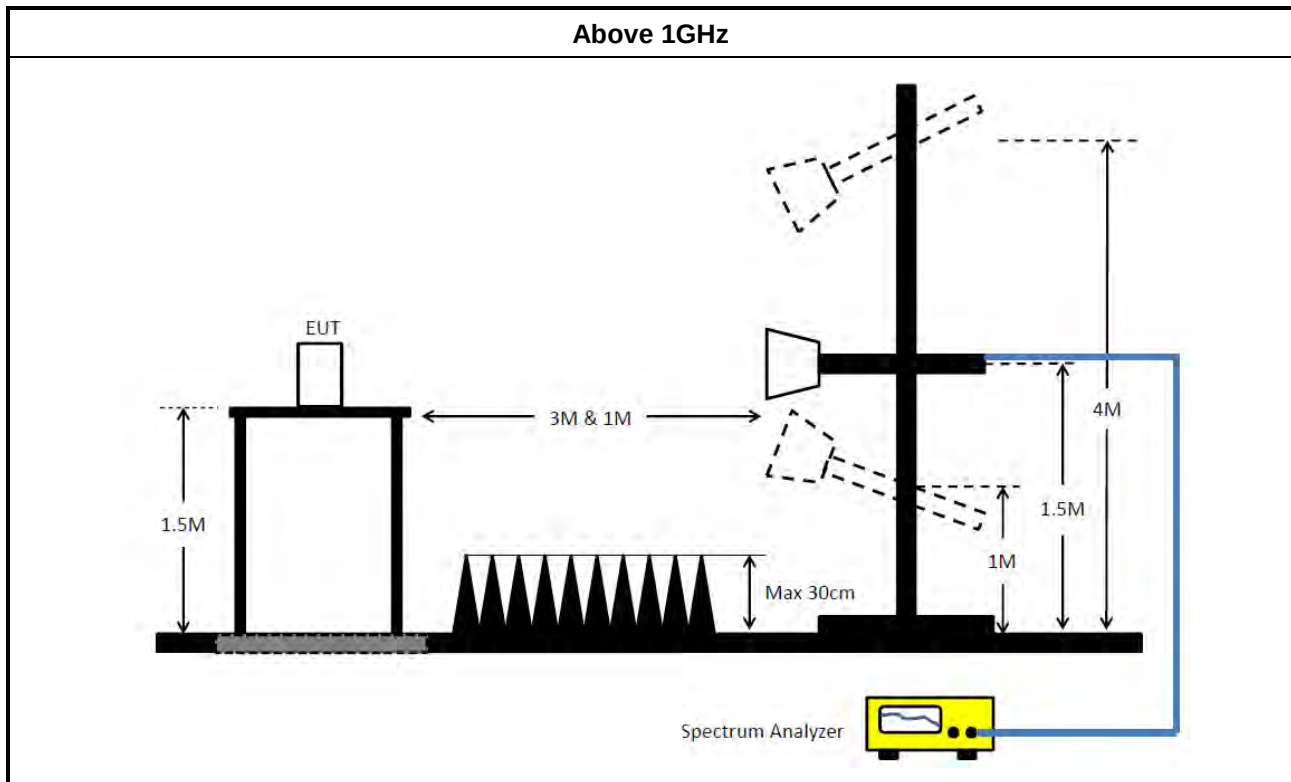
Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 06, 2025	Mar. 05, 2026	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 18, 2025	Feb. 17, 2026	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Feb. 06, 2025	Feb. 05, 2026	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 16, 2024	Oct. 15, 2025	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-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 with 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)
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	Schwarzbeck	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)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH05-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
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	Schwarzbeck	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)
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)

**RADIO TEST REPORT****Report No. : FR4N2715-01AD**

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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.



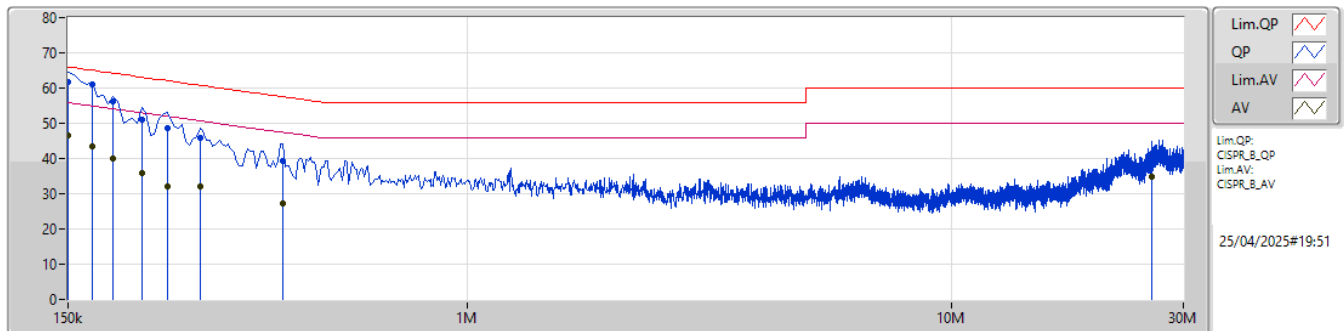
Conducted Emissions at Powerline
(Variant Device / FCC ID: UDX-600216020)

Appendix A

Summary

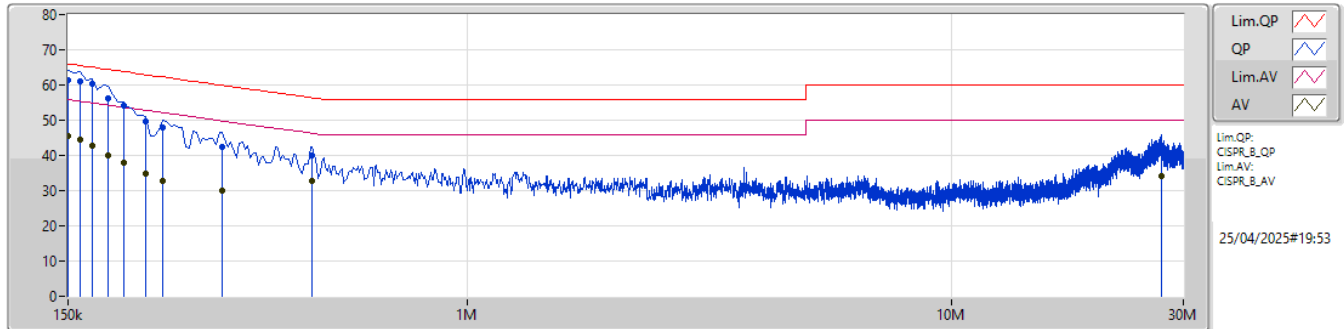
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	168k	60.94	65.06	-4.12	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	61.79	66.00	-4.21	10.03	Line	-	51.76	0.04	0.08	9.91						
AV	150k	46.59	56.00	-9.41	10.03	Line	-	36.56	0.04	0.08	9.91						
QP	168k	60.94	65.06	-4.12	10.05	Line	"Worst"	50.89	0.04	0.08	9.93						
AV	168k	43.32	55.06	-11.74	10.05	Line	-	33.27	0.04	0.08	9.93						
QP	186k	56.15	64.20	-8.05	10.05	Line	-	46.10	0.04	0.07	9.94						
AV	186k	40.15	54.20	-14.05	10.05	Line	-	30.10	0.04	0.07	9.94						
QP	213k	51.10	63.09	-11.99	10.07	Line	-	41.03	0.04	0.07	9.96						
AV	213k	35.81	53.09	-17.28	10.07	Line	-	25.74	0.04	0.07	9.96						
QP	240k	48.50	62.10	-13.60	10.10	Line	-	38.40	0.04	0.08	9.98						
AV	240k	32.22	52.10	-19.88	10.10	Line	-	22.12	0.04	0.08	9.98						
QP	280.5k	45.87	60.80	-14.93	10.12	Line	-	35.75	0.04	0.08	10.00						
AV	280.5k	31.95	50.80	-18.85	10.12	Line	-	21.83	0.04	0.08	10.00						
QP	415.5k	39.16	57.53	-18.37	10.20	Line	-	28.96	0.04	0.10	10.06						
AV	415.5k	27.26	47.53	-20.27	10.20	Line	-	17.06	0.04	0.10	10.06						
QP	25.89M	40.76	60.00	-19.24	10.65	Line	-	30.11	0.38	0.31	9.96						
AV	25.89M	34.69	50.00	-15.31	10.65	Line	-	24.04	0.38	0.31	9.96						

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT						
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)						
QP	150k	61.31	66.00	-4.69	10.03	Neutral	-	51.28	0.04	0.08	9.91						
AV	150k	45.61	56.00	-10.39	10.03	Neutral	-	35.58	0.04	0.08	9.91						
QP	159k	61.16	65.52	-4.36	10.04	Neutral	"Worst"	51.12	0.04	0.08	9.92						
AV	159k	44.63	55.52	-10.89	10.04	Neutral	-	34.59	0.04	0.08	9.92						
QP	168k	60.20	65.06	-4.86	10.05	Neutral	-	50.15	0.04	0.08	9.93						
AV	168k	42.88	55.06	-12.18	10.05	Neutral	-	32.83	0.04	0.08	9.93						
QP	181.5k	56.19	64.41	-8.22	10.05	Neutral	-	46.14	0.04	0.07	9.94						
AV	181.5k	39.84	54.41	-14.57	10.05	Neutral	-	29.79	0.04	0.07	9.94						
QP	195k	54.06	63.82	-9.76	10.06	Neutral	-	44.00	0.04	0.07	9.95						
AV	195k	37.90	53.82	-15.92	10.06	Neutral	-	27.84	0.04	0.07	9.95						
QP	217.5k	49.64	62.92	-13.28	10.07	Neutral	-	39.57	0.04	0.07	9.96						
AV	217.5k	34.97	52.92	-17.95	10.07	Neutral	-	24.90	0.04	0.07	9.96						
QP	235.5k	48.10	62.25	-14.15	10.10	Neutral	-	38.00	0.04	0.08	9.98						
AV	235.5k	32.75	52.25	-19.50	10.10	Neutral	-	22.65	0.04	0.08	9.98						
QP	312k	42.56	59.92	-17.36	10.15	Neutral	-	32.41	0.04	0.09	10.02						
AV	312k	29.90	49.92	-20.02	10.15	Neutral	-	19.75	0.04	0.09	10.02						
QP	478.5k	39.91	56.36	-16.45	10.22	Neutral	-	29.69	0.04	0.10	10.08						
AV	478.5k	32.88	46.36	-13.48	10.22	Neutral	-	22.66	0.04	0.10	10.08						
QP	26.966M	40.87	60.00	-19.13	10.72	Neutral	-	30.15	0.44	0.32	9.96						
AV	26.966M	34.09	50.00	-15.91	10.72	Neutral	-	23.37	0.44	0.32	9.96						



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	18.92M	16.39M	16M4D1D	18.37M	16.314M
802.11ax HEW20_Nss1,(MCS0)_1TX	20.13M	18.894M	18M9D1D	19.69M	18.853M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.26M	37.635M	37M6D1D	38.83M	37.561M
802.11ax HEW80_Nss1,(MCS0)_1TX	80.08M	76.85M	76M9D1D	80.08M	76.85M

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	18.37M	16.39M
5200MHz	Pass	Inf	18.59M	16.314M
5240MHz	Pass	Inf	18.92M	16.369M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	19.8M	18.865M
5200MHz	Pass	Inf	20.13M	18.853M
5240MHz	Pass	Inf	19.69M	18.894M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	38.83M	37.635M
5230MHz	Pass	Inf	40.26M	37.561M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.85M

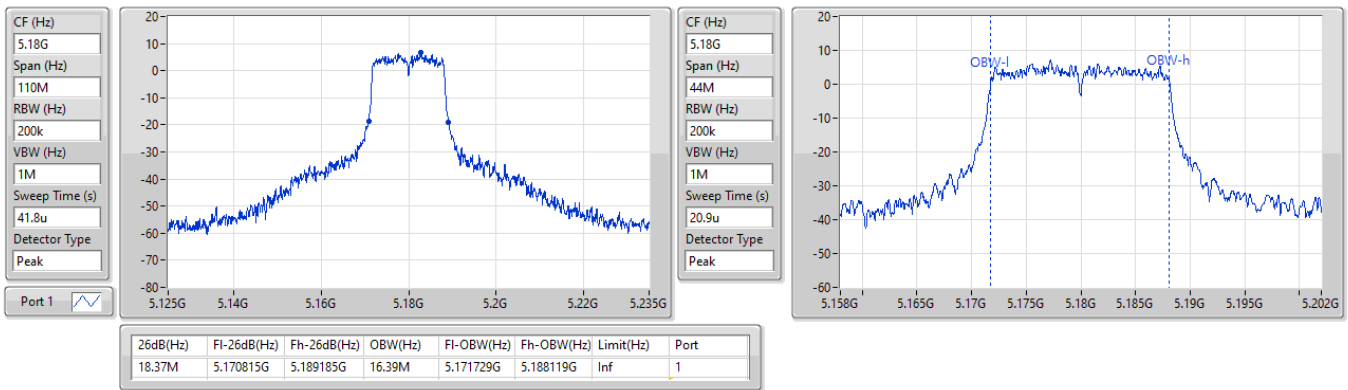
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

12/02/2025

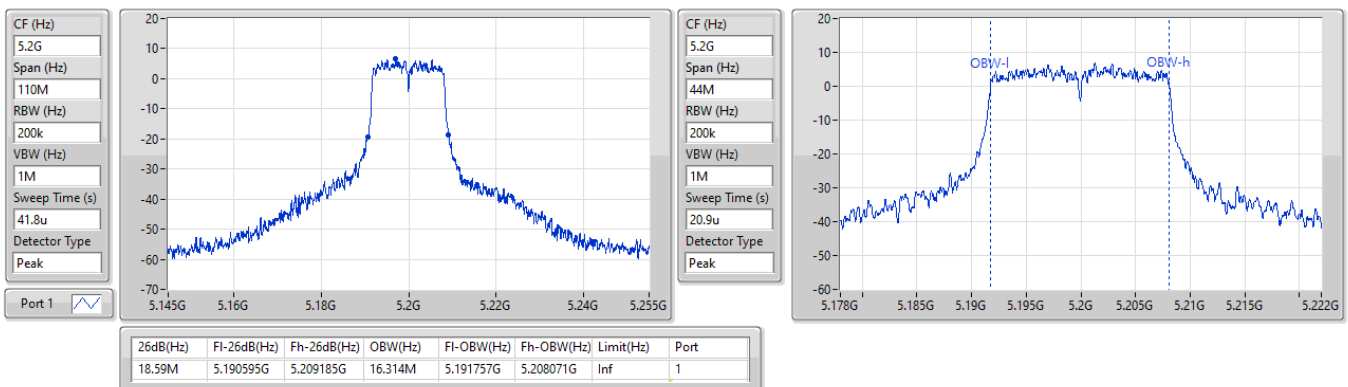


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

12/02/2025

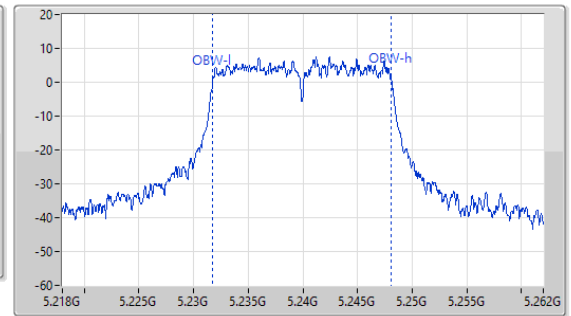
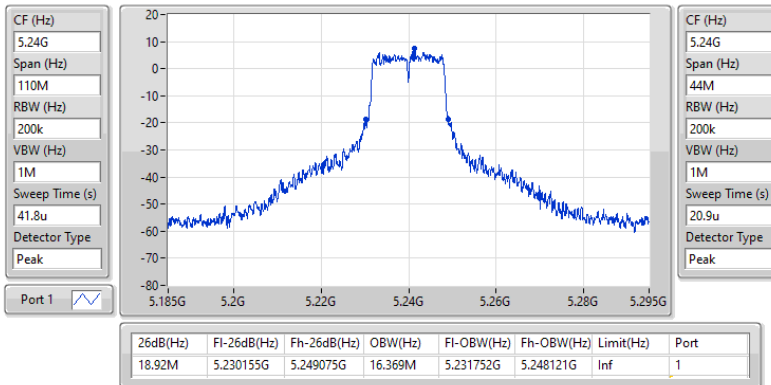


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

12/02/2025

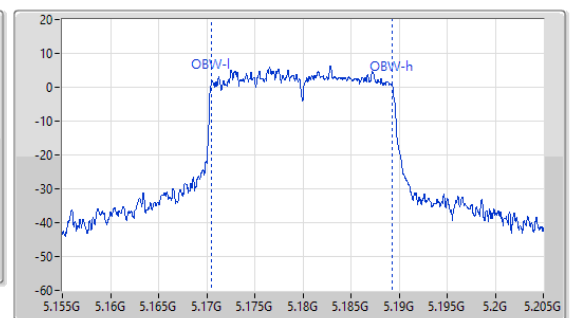
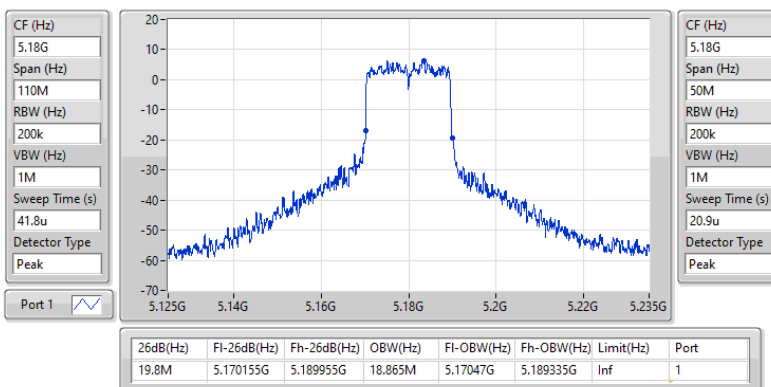


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

5180MHz

12/02/2025

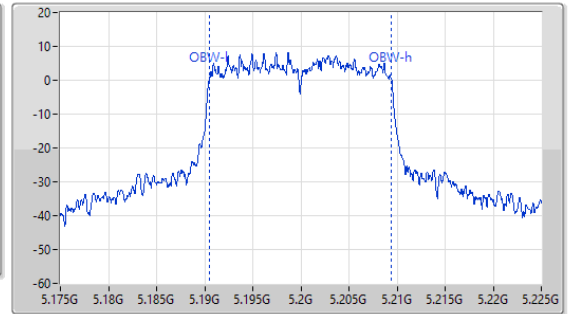
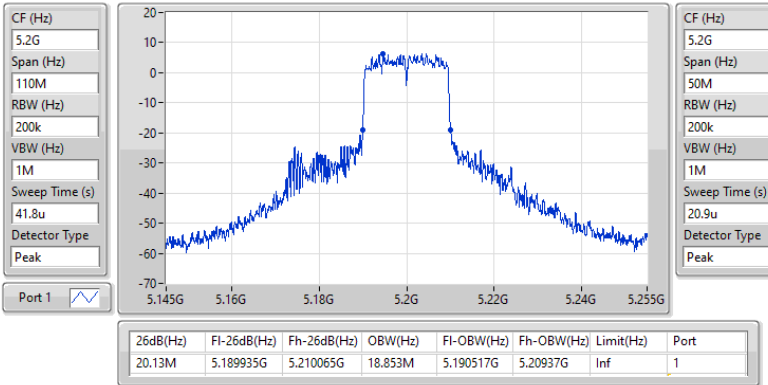


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5200MHz

12/02/2025

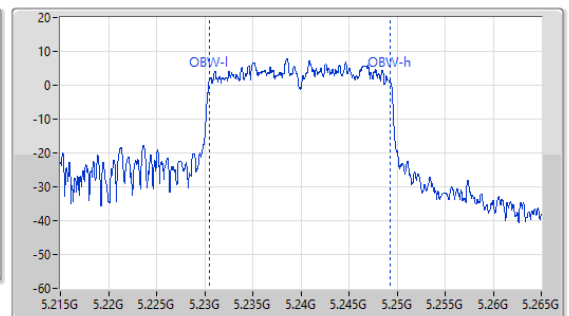
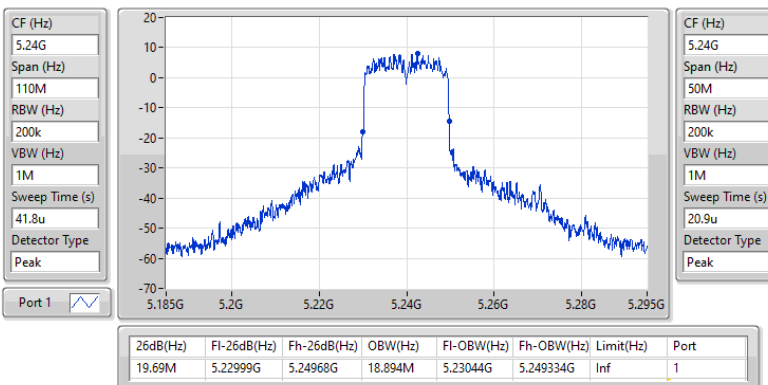


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5240MHz

12/02/2025

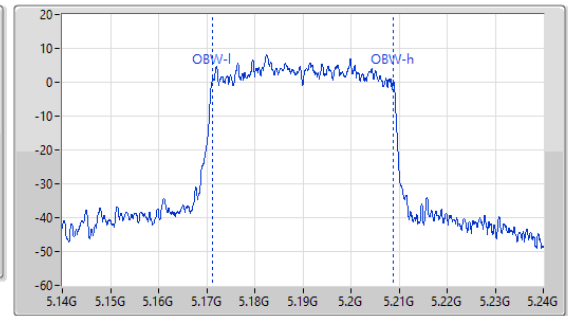
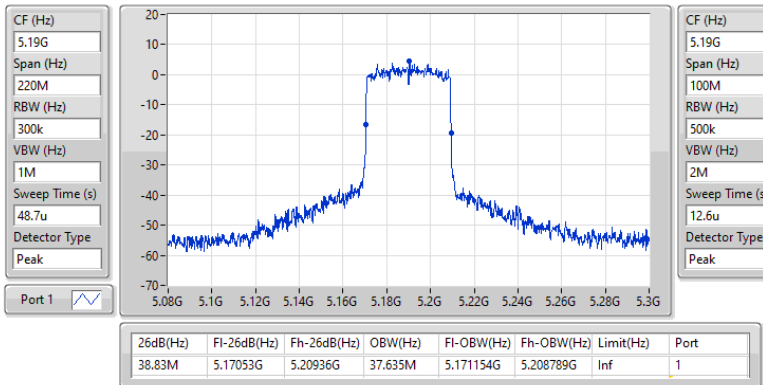


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5190MHz

12/02/2025

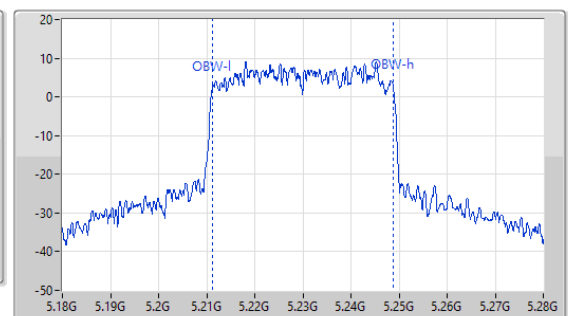
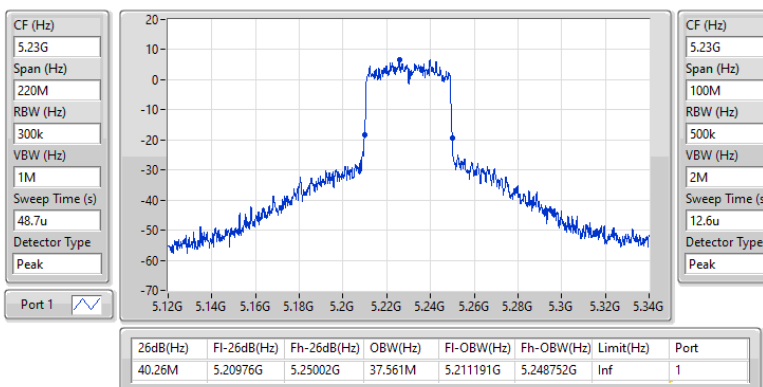


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5230MHz

12/02/2025

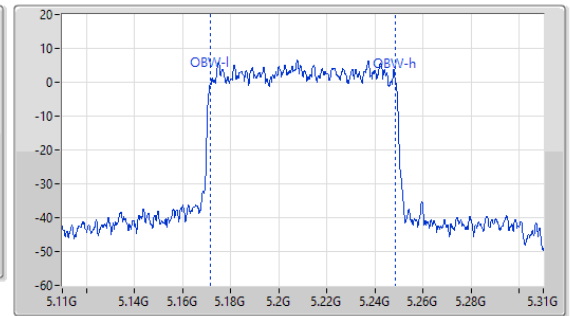
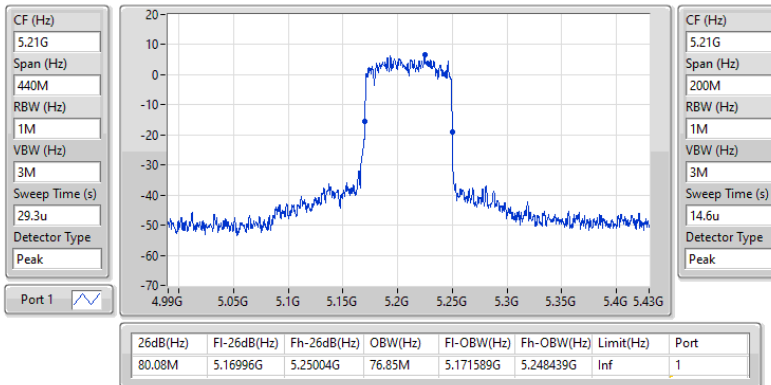


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_1TX

EBW

5210MHz

12/02/2025



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	22.33M	16.866M	16M9D1D	22.275M	16.833M
802.11a_Nss1,(6Mbps)_2TX	22.44M	16.854M	16M9D1D	22.11M	16.802M
802.11a_Nss1,(6Mbps)_4TX	22.44M	16.844M	16M8D1D	21.89M	16.79M
802.11be EHT20_Nss1,(MCS0)_1TX	23.1M	19.079M	19M1D1D	22.935M	19.073M
802.11be EHT20_Nss1,(MCS0)_2TX	23.21M	19.076M	19M1D1D	22.55M	19.045M
802.11be EHT20_Nss1,(MCS0)_4TX	23.65M	19.115M	19M1D1D	22.385M	19.062M
802.11be EHT40_Nss1,(MCS0)_1TX	44.55M	38.094M	38M1D1D	44.33M	38.085M
802.11be EHT40_Nss1,(MCS0)_2TX	45.21M	38.112M	38M1D1D	43.89M	38.052M
802.11be EHT40_Nss1,(MCS0)_4TX	44.77M	38.125M	38M1D1D	43.12M	38.043M
802.11be EHT80_Nss1,(MCS0)_1TX	90.42M	77.835M	77M8D1D	90.42M	77.835M
802.11be EHT80_Nss1,(MCS0)_2TX	88.44M	77.894M	77M9D1D	88.22M	77.88M
802.11be EHT80_Nss1,(MCS0)_4TX	90.86M	77.915M	77M9D1D	89.32M	77.828M

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	22.33M	16.866M						
5200MHz	Pass	Inf	22.33M	16.833M						
5240MHz	Pass	Inf	22.275M	16.851M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.045M	19.079M						
5200MHz	Pass	Inf	22.935M	19.073M						
5240MHz	Pass	Inf	23.1M	19.073M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.33M	38.094M						
5230MHz	Pass	Inf	44.55M	38.085M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	90.42M	77.835M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.44M	16.854M	22.11M	16.811M				
5200MHz	Pass	Inf	22.33M	16.809M	22.385M	16.809M				
5240MHz	Pass	Inf	22.44M	16.844M	22.275M	16.802M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.21M	19.053M	22.825M	19.067M				
5200MHz	Pass	Inf	22.55M	19.076M	22.66M	19.058M				
5240MHz	Pass	Inf	22.935M	19.07M	22.825M	19.045M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.33M	38.092M	43.89M	38.075M				
5230MHz	Pass	Inf	45.21M	38.112M	44.22M	38.052M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.44M	77.894M	88.22M	77.88M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.33M	16.832M	22.275M	16.822M	22.165M	16.811M	22.275M	16.83M
5200MHz	Pass	Inf	22.33M	16.819M	21.89M	16.79M	22.165M	16.806M	22.275M	16.811M
5240MHz	Pass	Inf	22.165M	16.812M	22.44M	16.806M	22.11M	16.844M	22.275M	16.827M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.605M	19.076M	22.77M	19.115M	23.65M	19.062M	23.155M	19.077M
5200MHz	Pass	Inf	22.99M	19.088M	22.77M	19.076M	23.54M	19.071M	23.21M	19.072M
5240MHz	Pass	Inf	22.88M	19.064M	22.825M	19.088M	23.32M	19.067M	22.385M	19.102M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.66M	38.043M	44.77M	38.06M	44.22M	38.11M	43.12M	38.125M
5230MHz	Pass	Inf	44M	38.047M	44.22M	38.081M	44.44M	38.09M	43.78M	38.086M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	90.42M	77.915M	89.32M	77.892M	90.86M	77.904M	89.32M	77.828M

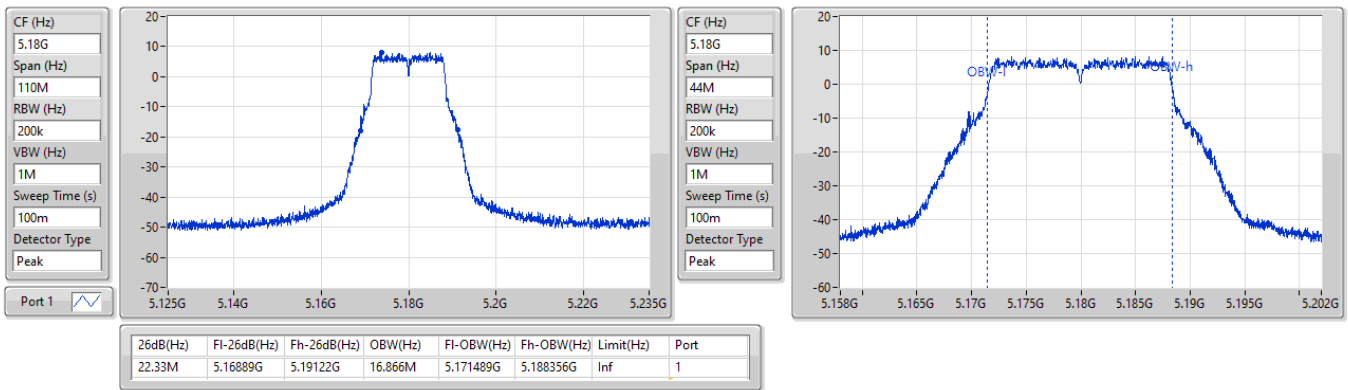
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

12/02/2025

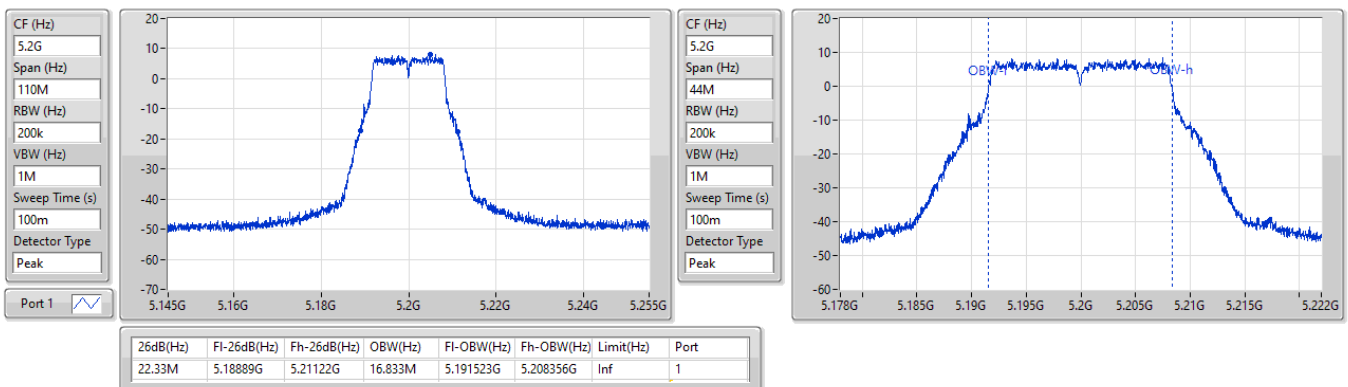


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

12/02/2025

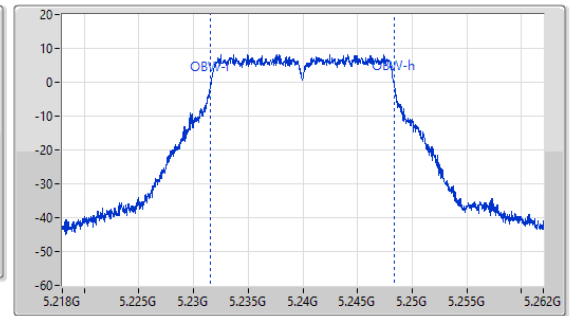
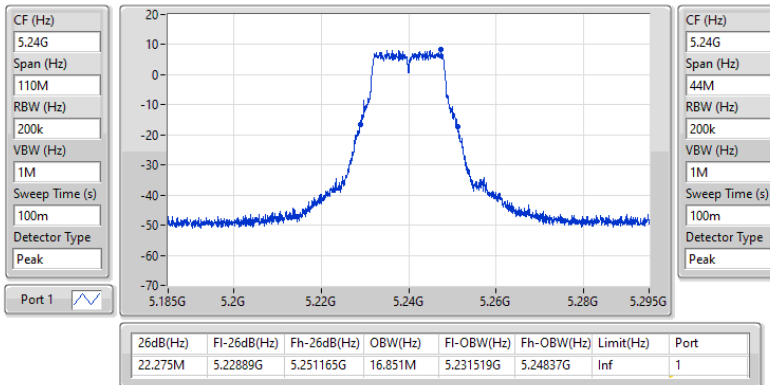


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

12/02/2025

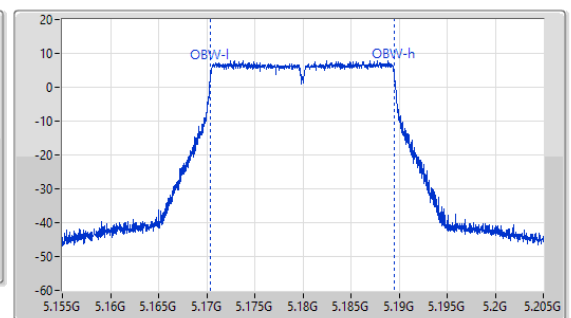
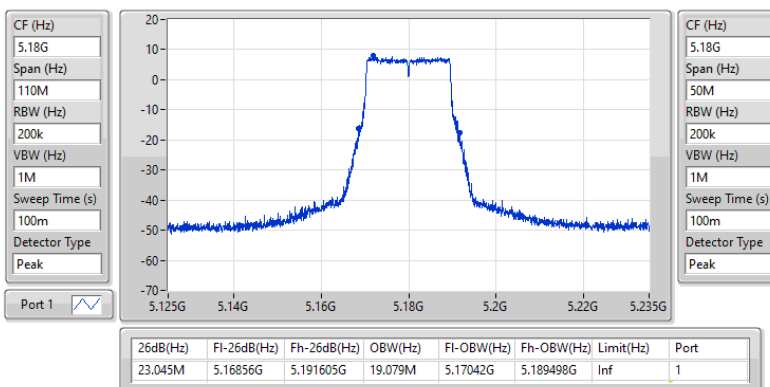


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

12/02/2025

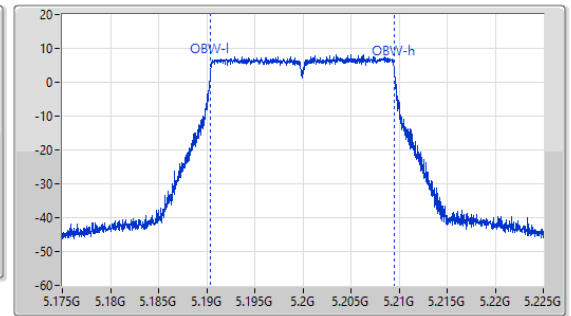
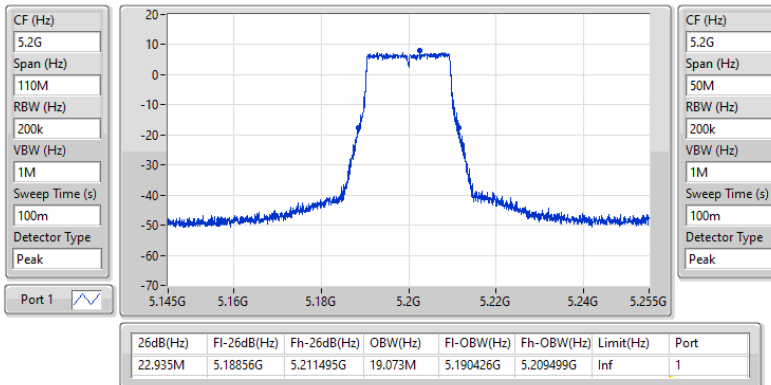


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

12/02/2025

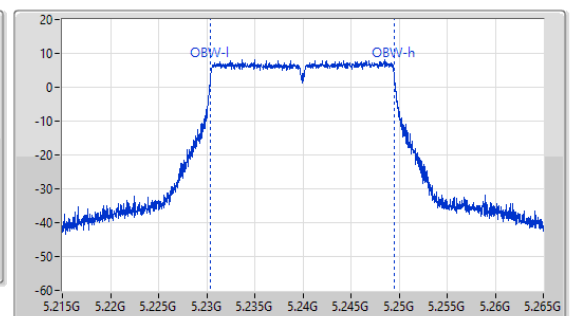
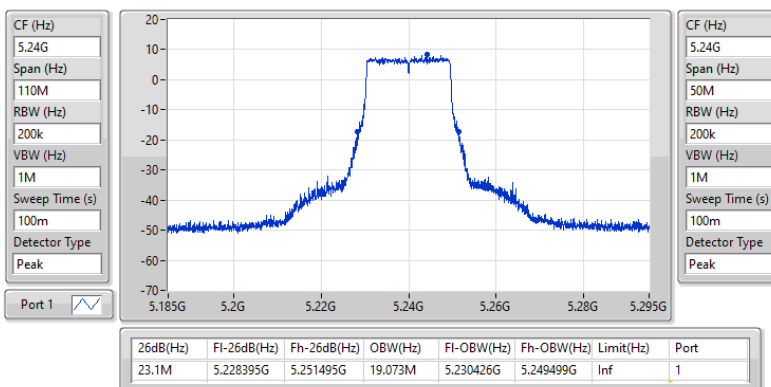


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

12/02/2025

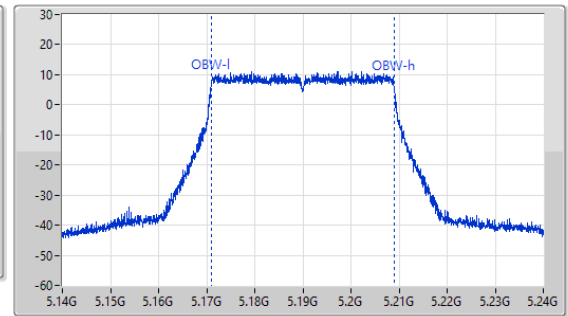
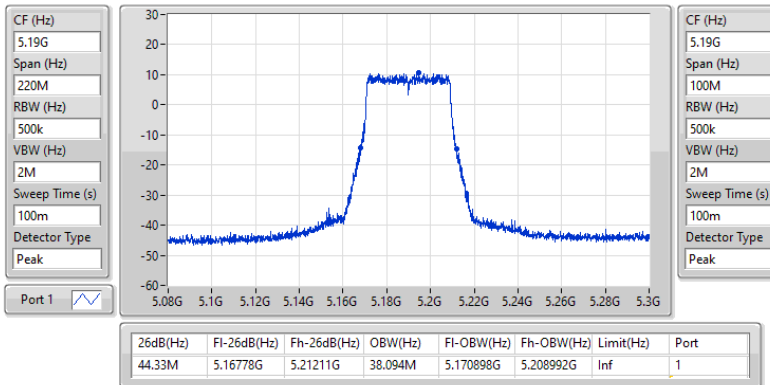


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

12/02/2025

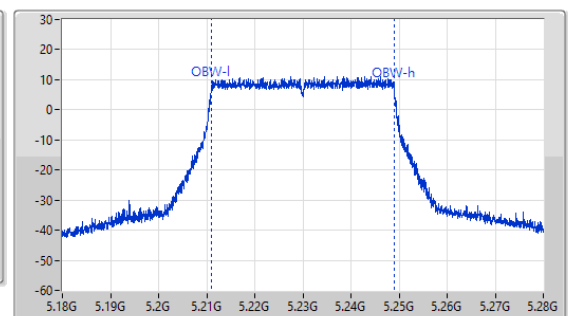
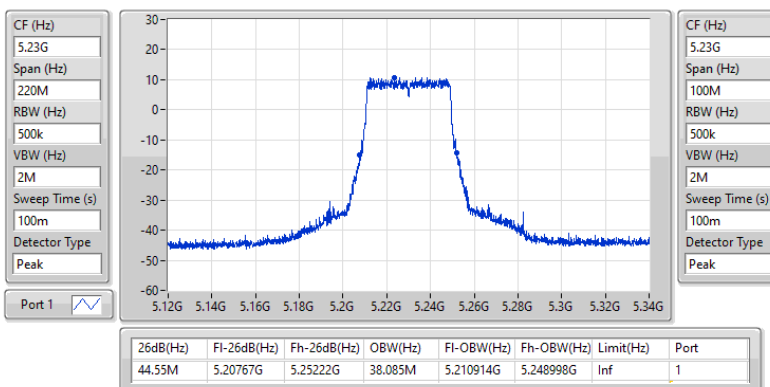


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

12/02/2025

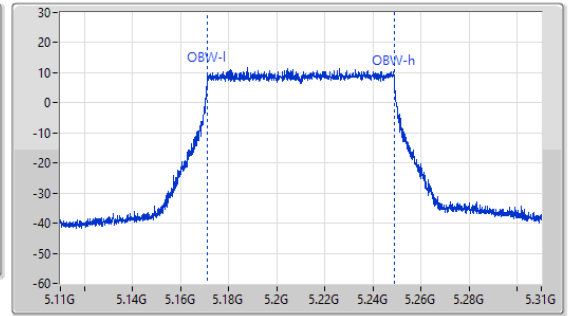
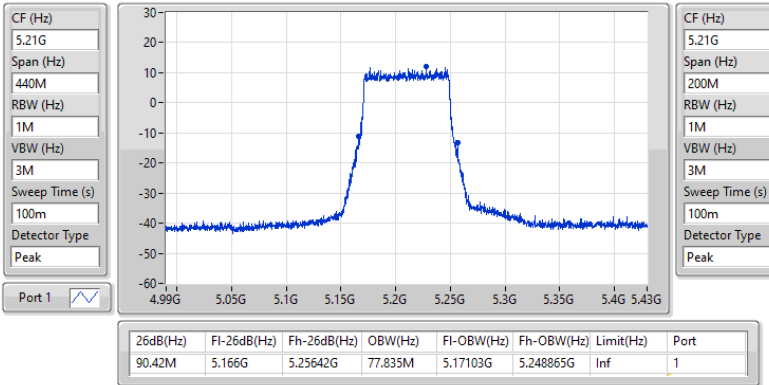


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

12/02/2025

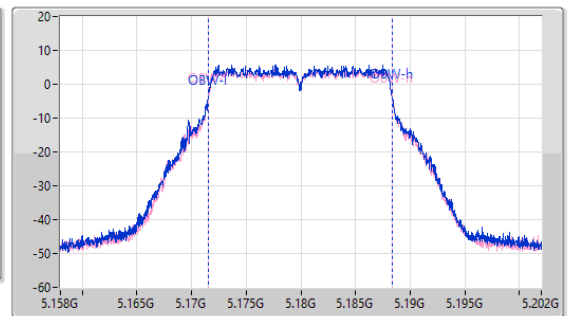
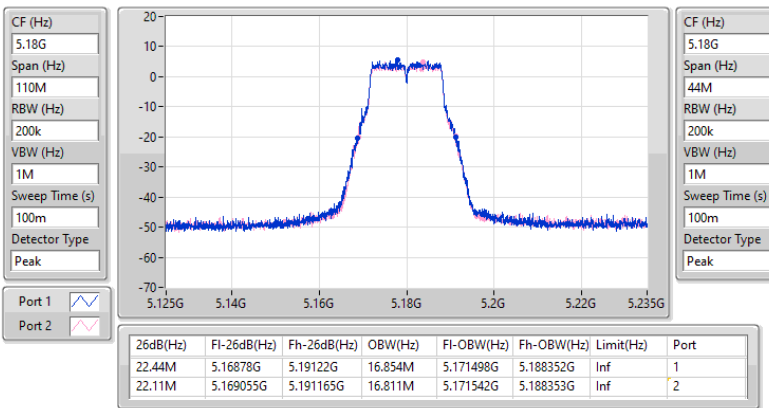


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

12/02/2025

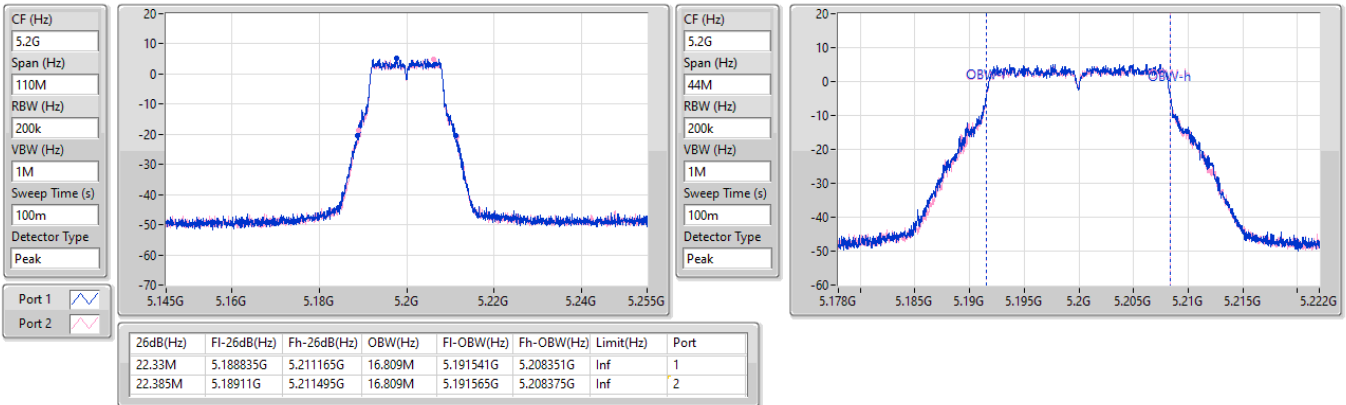


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

12/02/2025

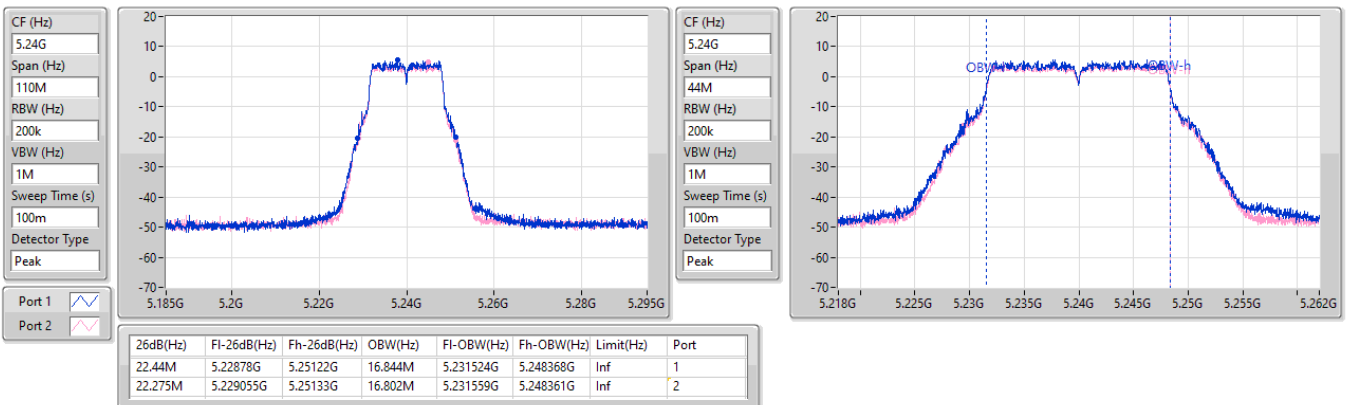


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

12/02/2025

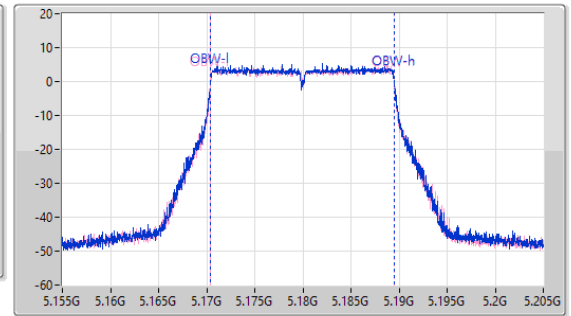
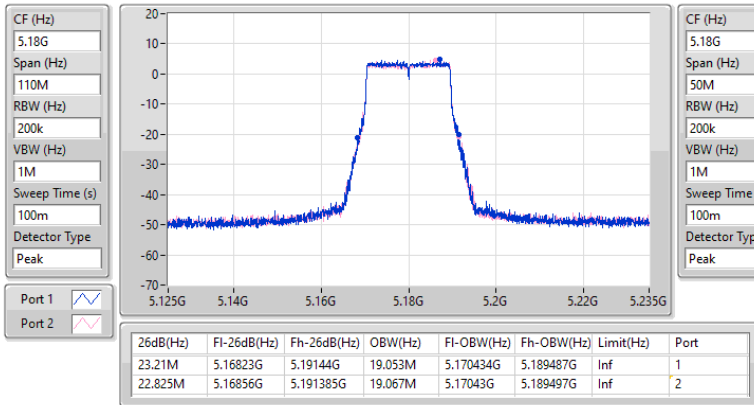


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

12/02/2025

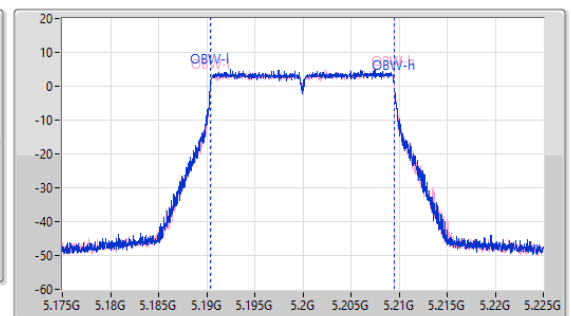
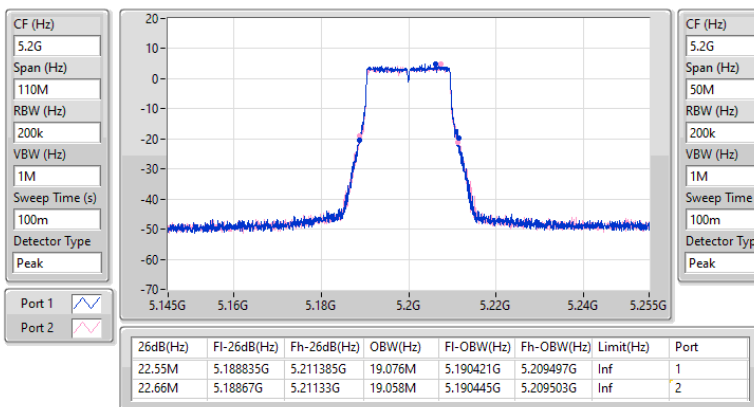


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

12/02/2025

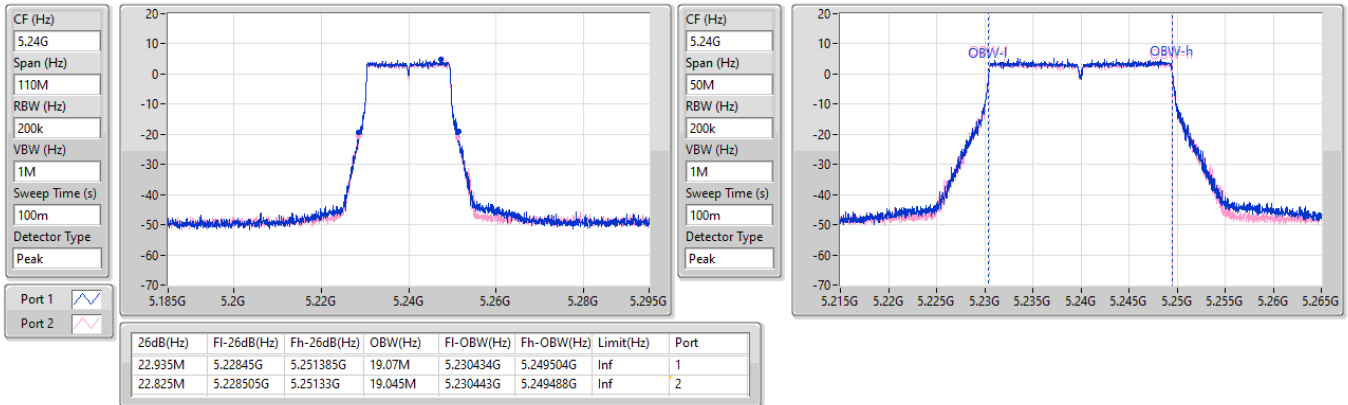


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

12/02/2025

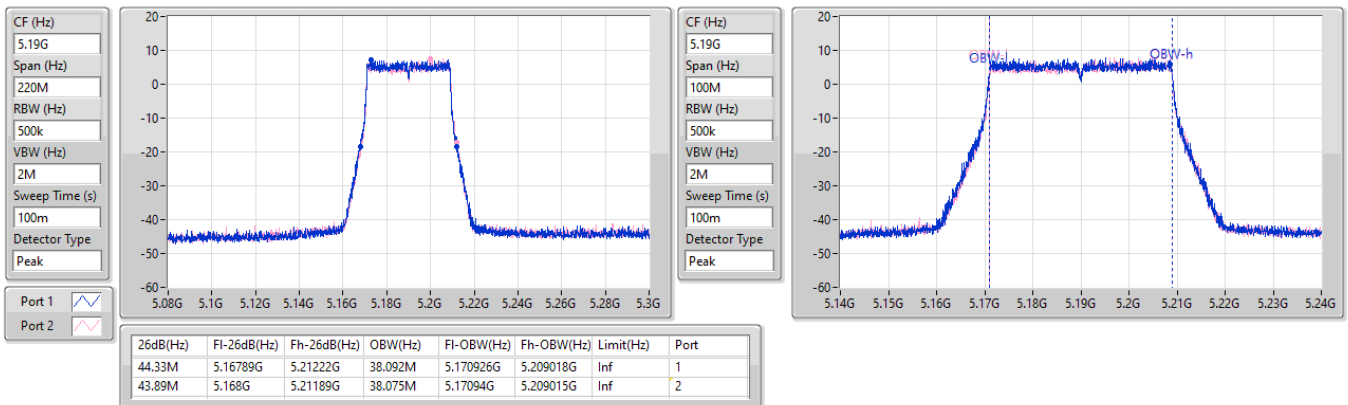


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

12/02/2025

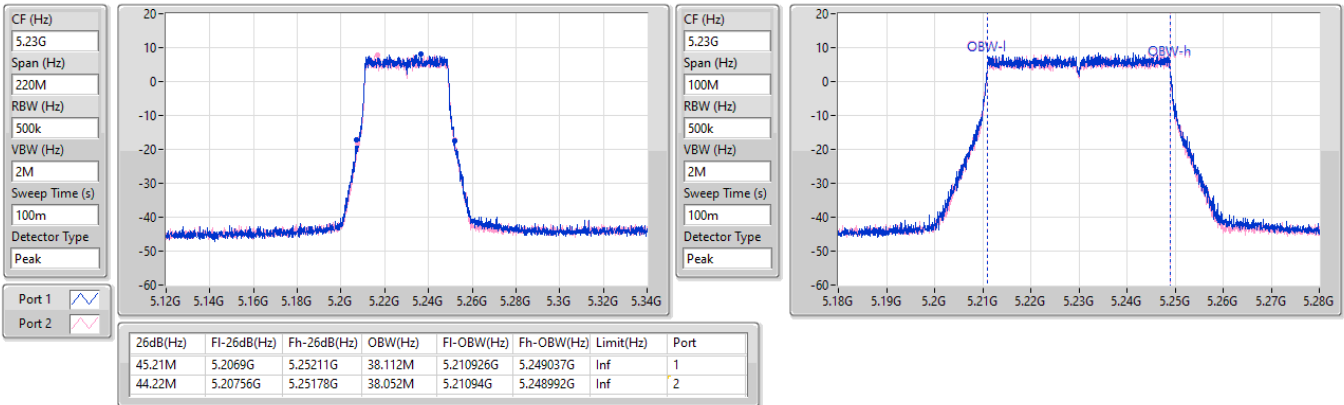


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

12/02/2025

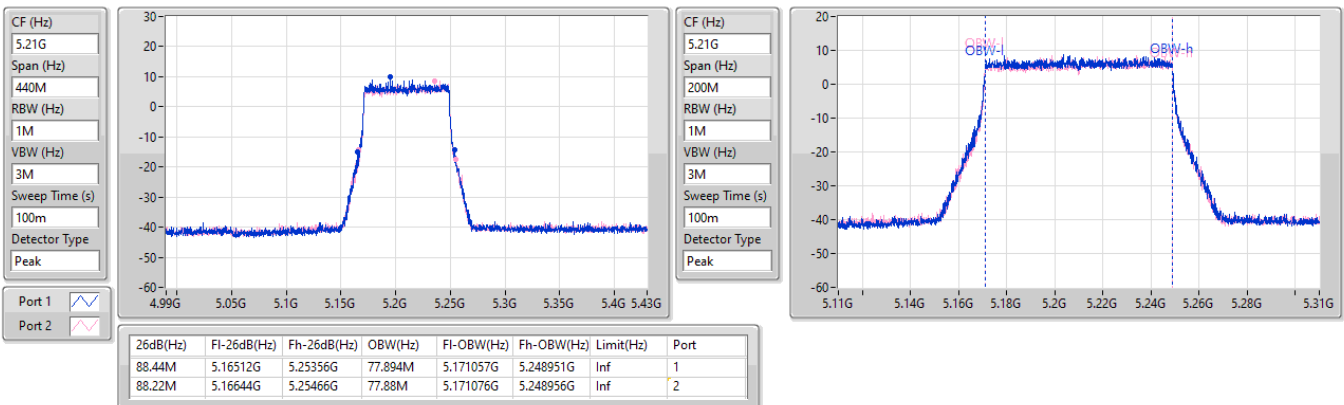


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

12/02/2025

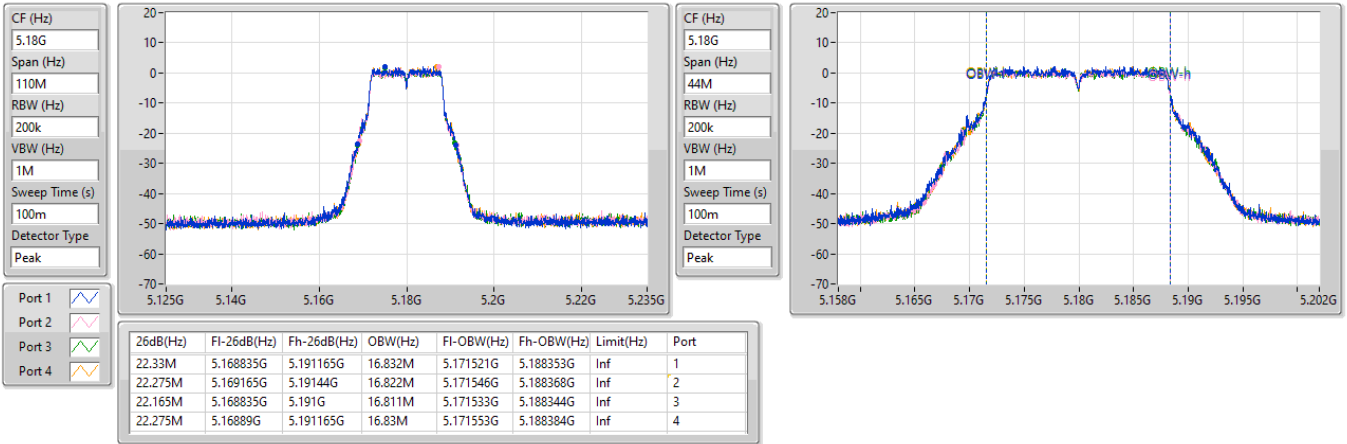


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

12/02/2025

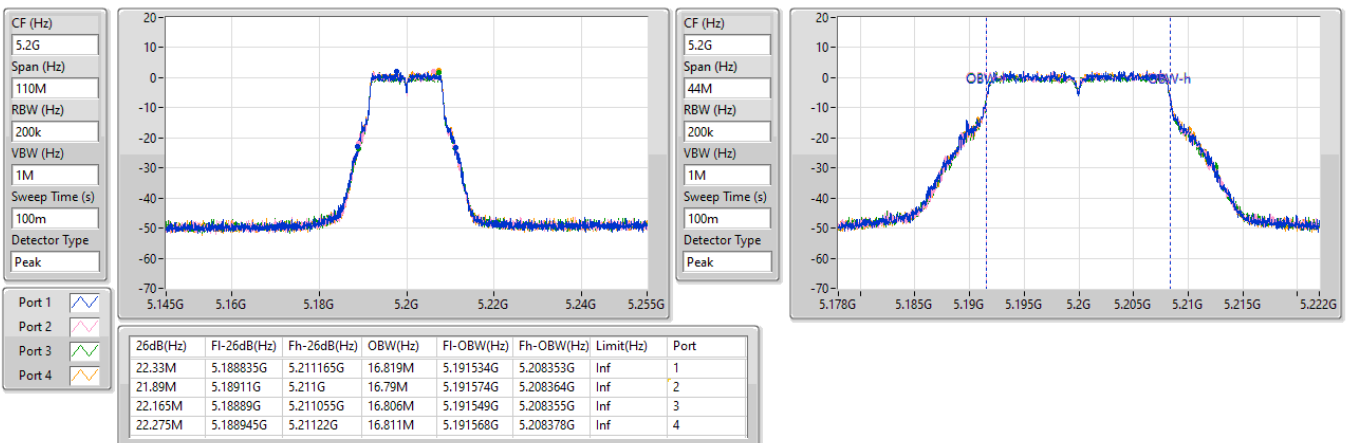


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

12/02/2025

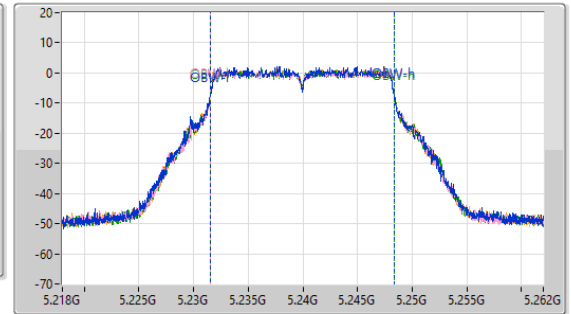
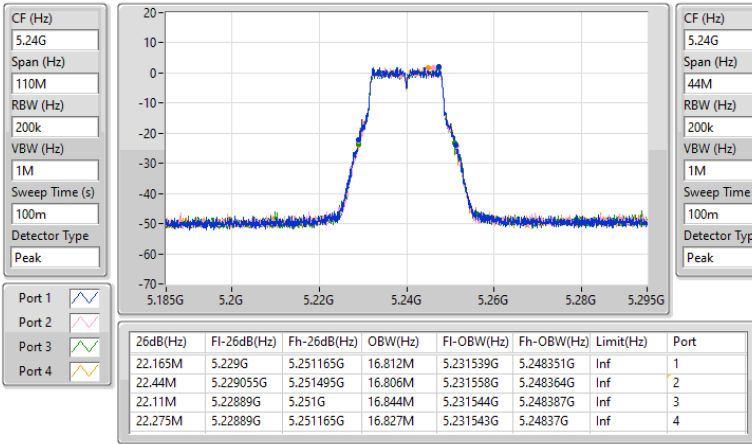


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

12/02/2025

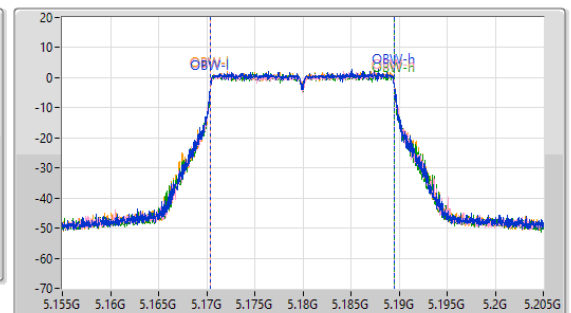
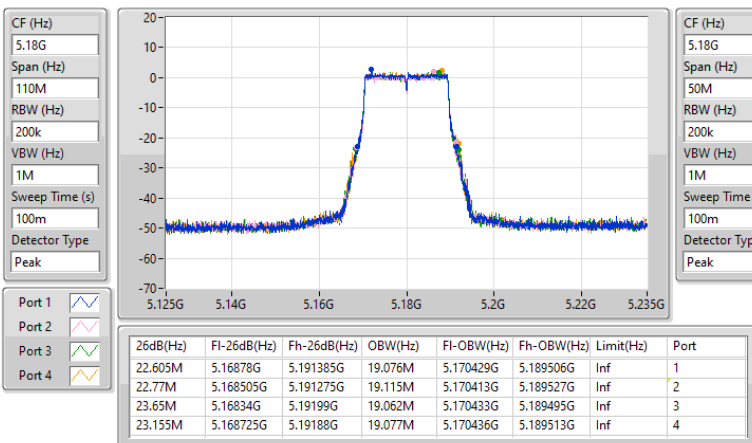


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

12/02/2025

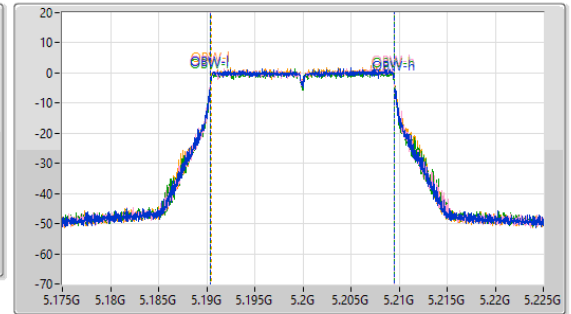
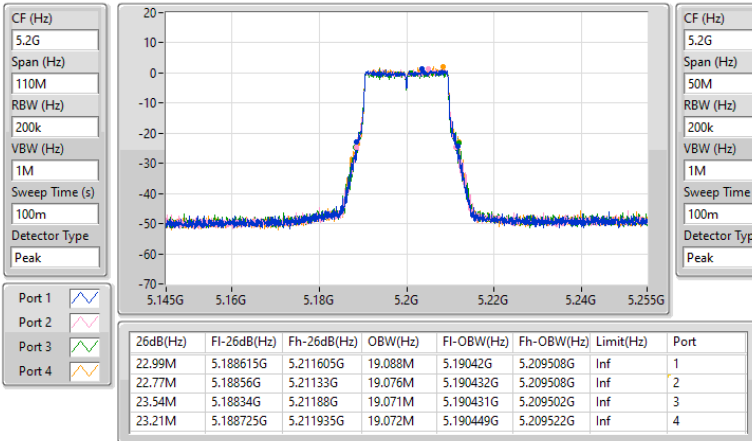


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

12/02/2025

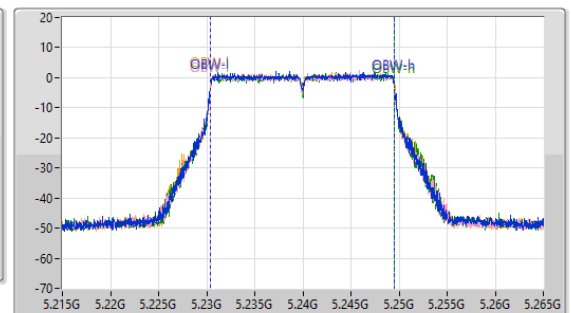
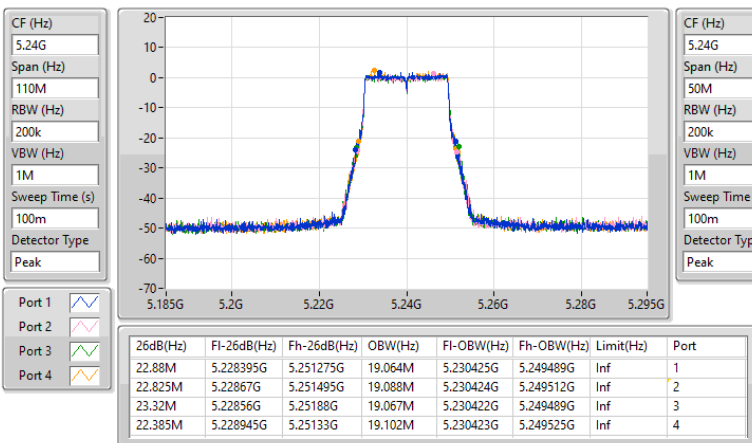


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

12/02/2025

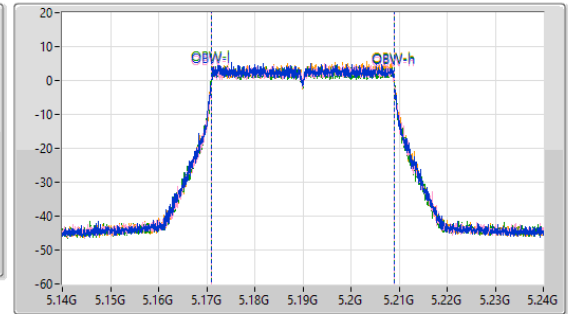
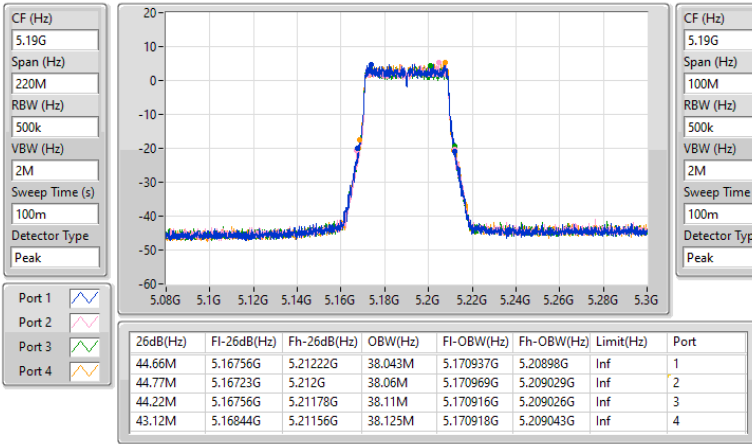


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

12/02/2025

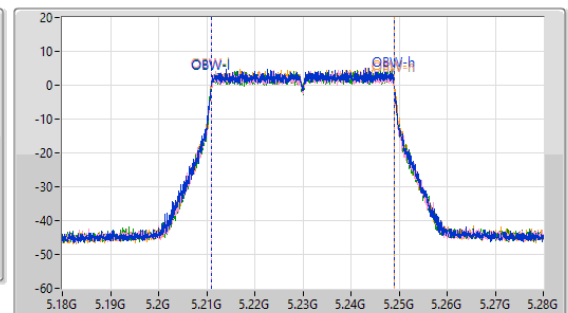
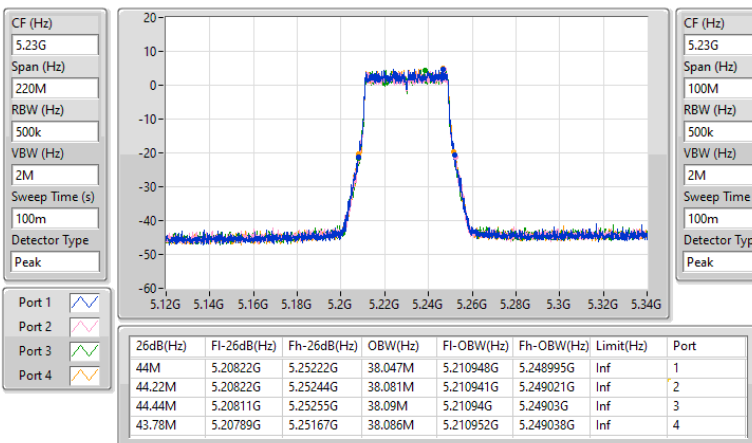


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

12/02/2025

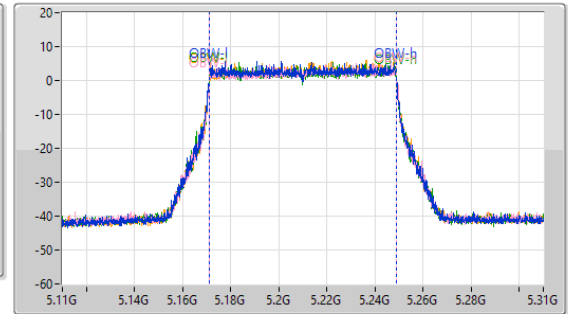
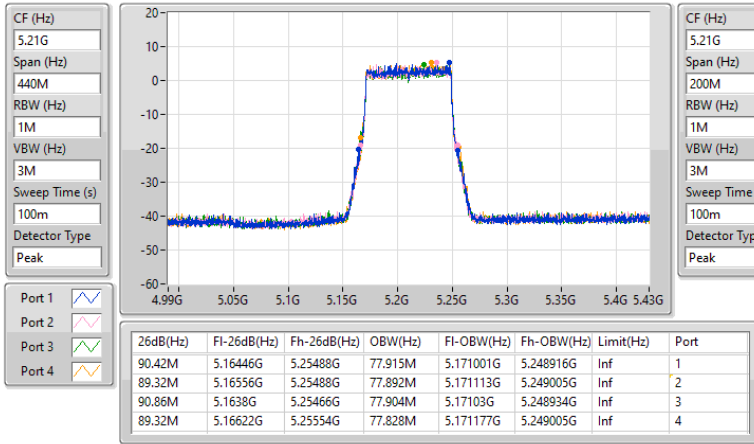


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

12/02/2025





EBW_R5 (Internal Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix B.3

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	22.385M	16.883M	16M9D1D	22.33M	16.823M
802.11a_Nss1,(6Mbps)_2TX	22.44M	16.842M	16M8D1D	22M	16.82M
802.11a_Nss1,(6Mbps)_4TX	22.44M	16.863M	16M9D1D	21.89M	16.792M
802.11be EHT20_Nss1,(MCS0)_1TX	23.21M	19.074M	19M1D1D	22.66M	19.059M
802.11be EHT20_Nss1,(MCS0)_2TX	23.21M	19.091M	19M1D1D	22.495M	19.059M
802.11be EHT20_Nss1,(MCS0)_4TX	24.42M	19.082M	19M1D1D	22.55M	19.044M
802.11be EHT40_Nss1,(MCS0)_1TX	44.88M	38.123M	38M1D1D	44.55M	38.076M
802.11be EHT40_Nss1,(MCS0)_2TX	44.88M	38.125M	38M1D1D	43.56M	38.034M
802.11be EHT40_Nss1,(MCS0)_4TX	44.44M	38.111M	38M1D1D	43.56M	38.017M
802.11be EHT80_Nss1,(MCS0)_1TX	88.66M	77.77M	77M8D1D	88.66M	77.77M
802.11be EHT80_Nss1,(MCS0)_2TX	89.98M	77.944M	77M9D1D	89.76M	77.854M
802.11be EHT80_Nss1,(MCS0)_4TX	91.3M	77.856M	77M9D1D	88.44M	77.834M

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



EBW_R5 (Internal Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix B.3

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	22.33M	16.823M						
5200MHz	Pass	Inf	22.385M	16.883M						
5240MHz	Pass	Inf	22.33M	16.85M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.1M	19.074M						
5200MHz	Pass	Inf	23.21M	19.059M						
5240MHz	Pass	Inf	22.66M	19.062M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.55M	38.076M						
5230MHz	Pass	Inf	44.88M	38.123M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.66M	77.77M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.22M	16.82M	22.22M	16.824M				
5200MHz	Pass	Inf	22.385M	16.837M	22.275M	16.842M				
5240MHz	Pass	Inf	22.44M	16.835M	22M	16.829M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.045M	19.059M	23.21M	19.067M				
5200MHz	Pass	Inf	23.045M	19.076M	22.77M	19.083M				
5240MHz	Pass	Inf	22.495M	19.059M	22.825M	19.091M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.56M	38.05M	44.11M	38.034M				
5230MHz	Pass	Inf	44.88M	38.125M	44.55M	38.073M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.76M	77.854M	89.98M	77.944M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.22M	16.827M	21.89M	16.812M	22.11M	16.819M	22.385M	16.817M
5200MHz	Pass	Inf	22.275M	16.847M	22M	16.834M	22.165M	16.845M	22.44M	16.863M
5240MHz	Pass	Inf	22.385M	16.843M	21.945M	16.792M	22.275M	16.856M	22.275M	16.844M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.55M	19.054M	22.825M	19.061M	23.76M	19.063M	24.42M	19.062M
5200MHz	Pass	Inf	22.77M	19.044M	22.88M	19.079M	23.1M	19.062M	23.485M	19.08M
5240MHz	Pass	Inf	22.99M	19.054M	22.935M	19.063M	23.76M	19.082M	22.88M	19.065M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.67M	38.042M	44.11M	38.087M	43.89M	38.017M	44.44M	38.017M
5230MHz	Pass	Inf	43.67M	38.109M	43.67M	38.046M	44M	38.111M	43.56M	38.045M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	88.44M	77.856M	89.32M	77.855M	91.3M	77.834M	89.98M	77.845M

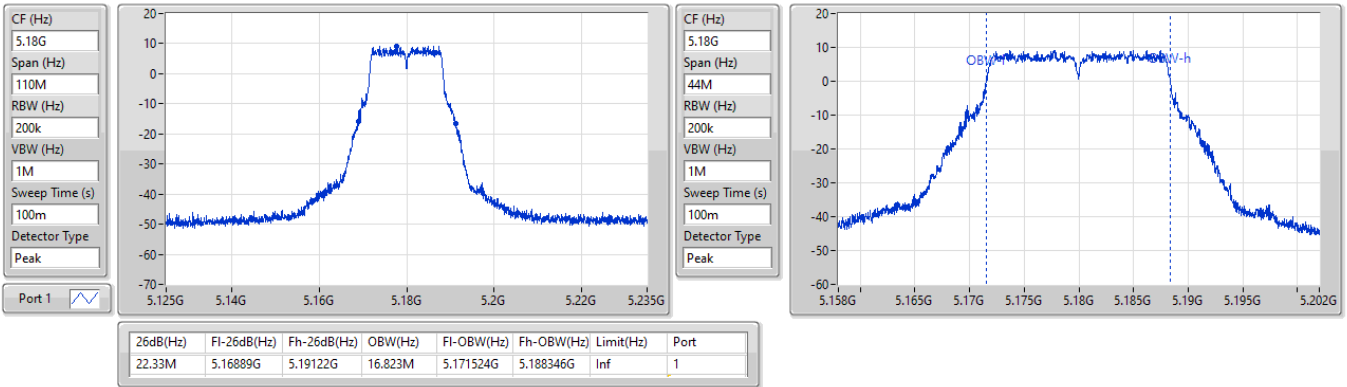
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

11/02/2025

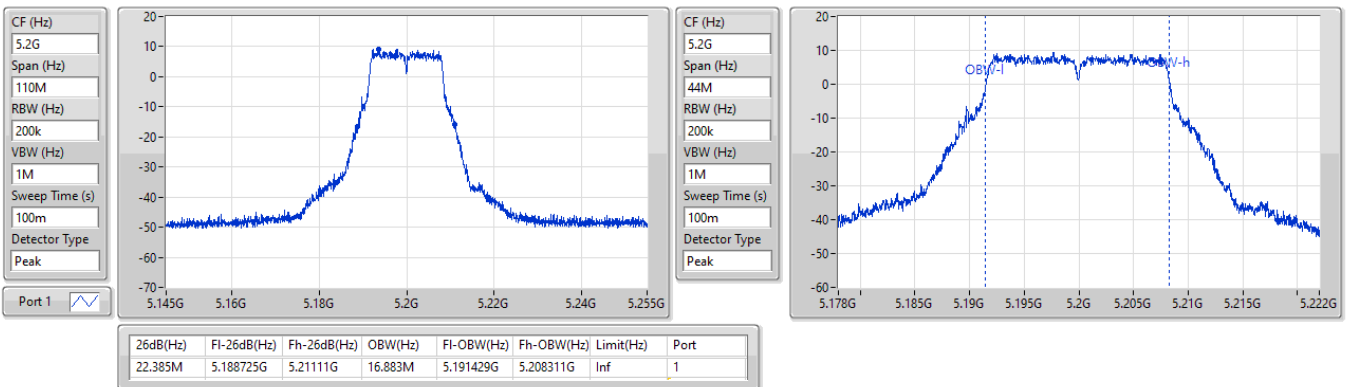


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

11/02/2025

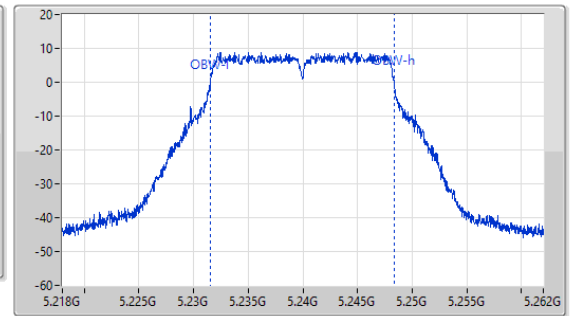
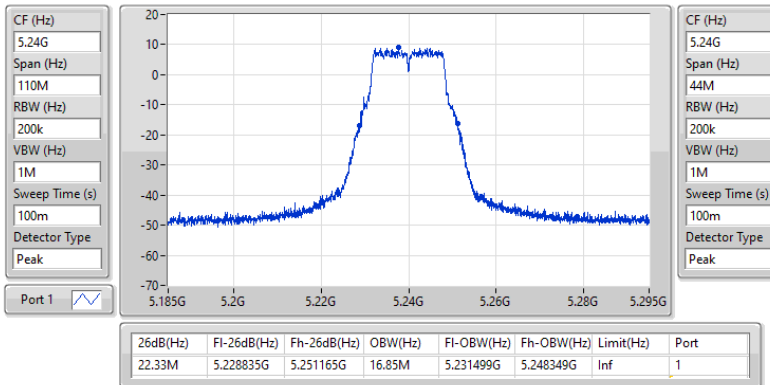


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

11/02/2025

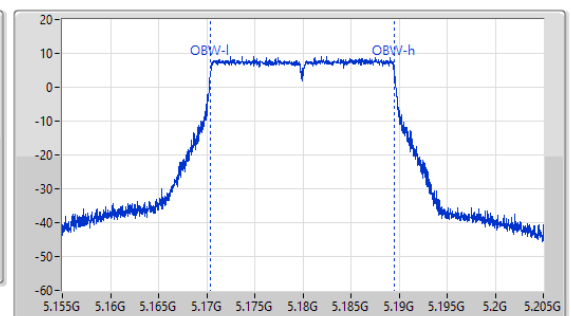
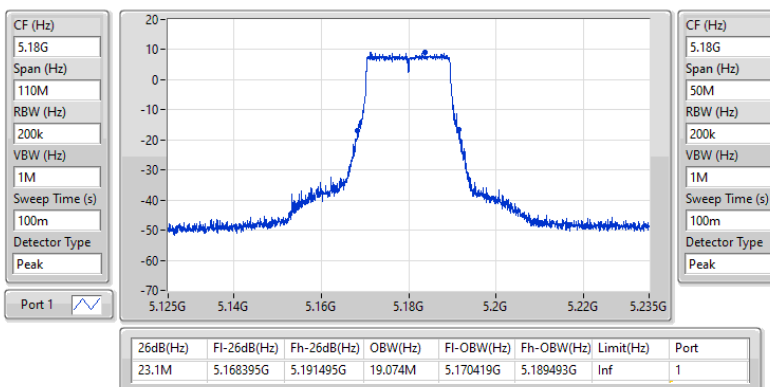


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

11/02/2025

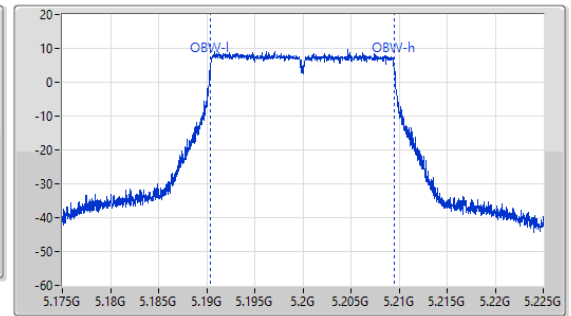
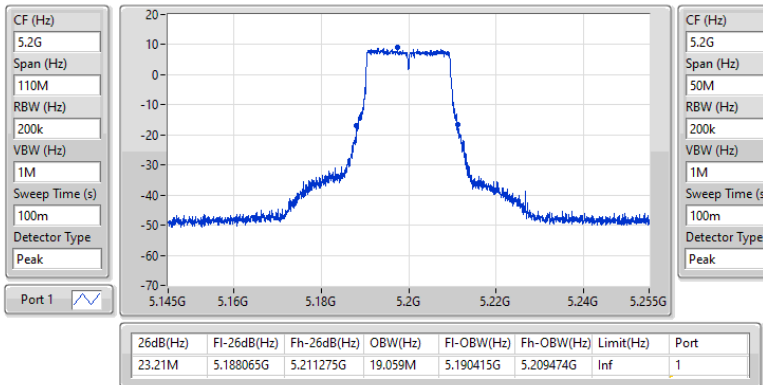


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

11/02/2025

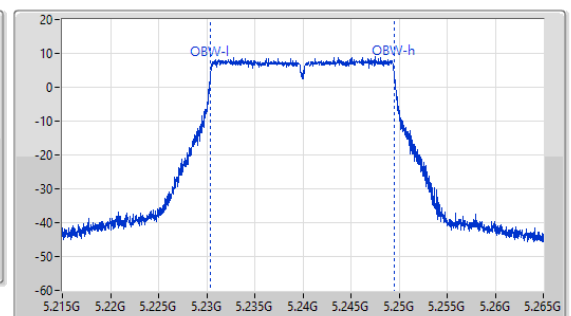
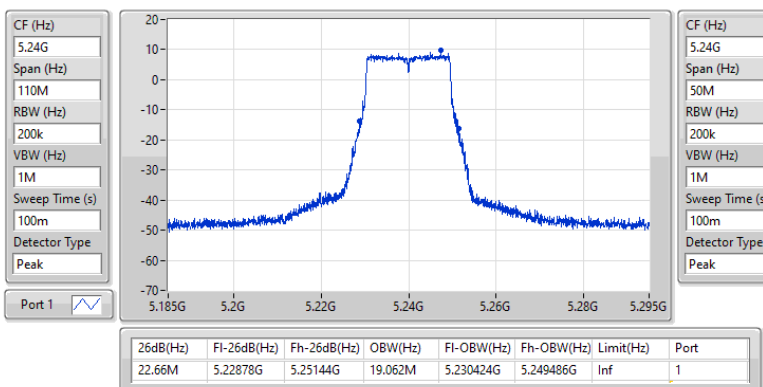


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

11/02/2025

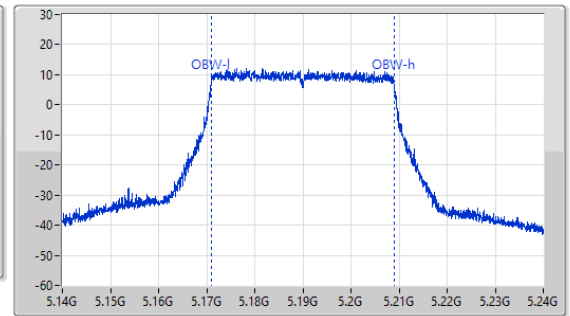
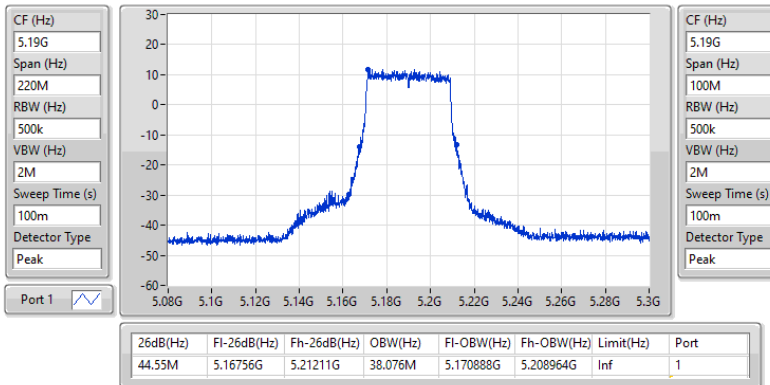


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

11/02/2025

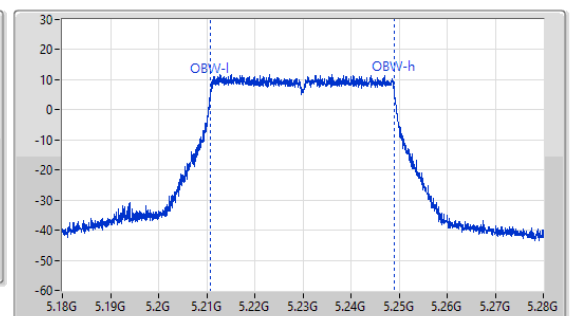
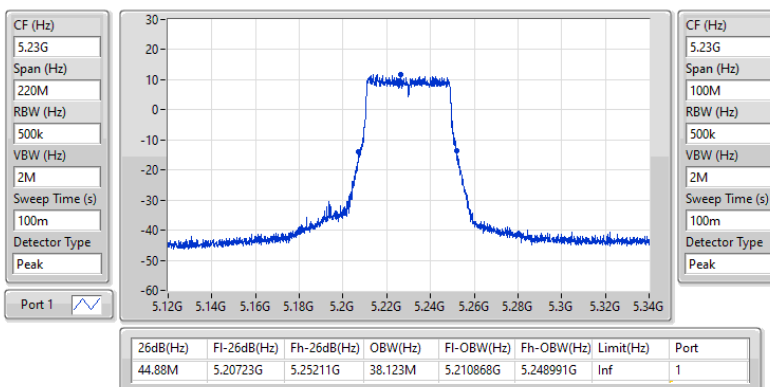


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

11/02/2025

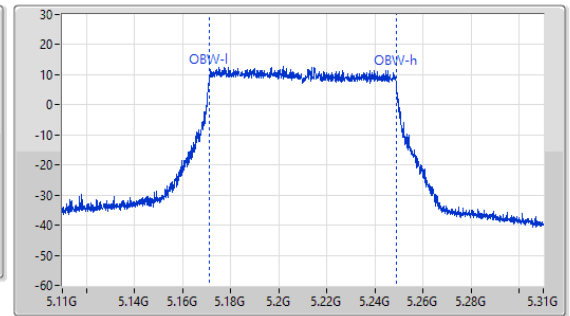
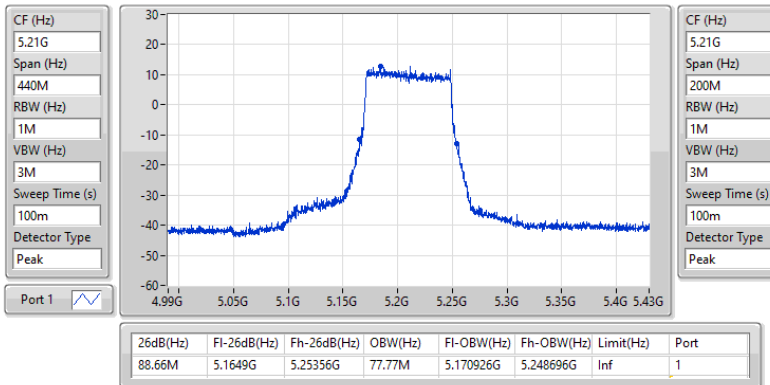


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

11/02/2025

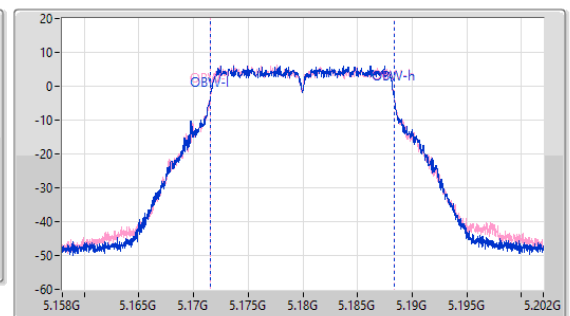
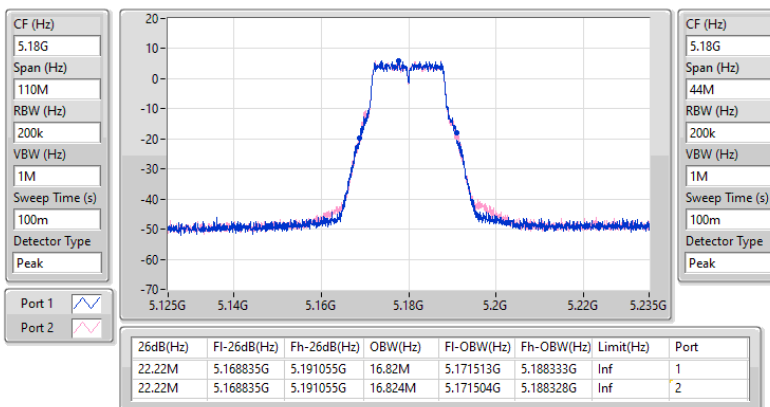


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

11/02/2025

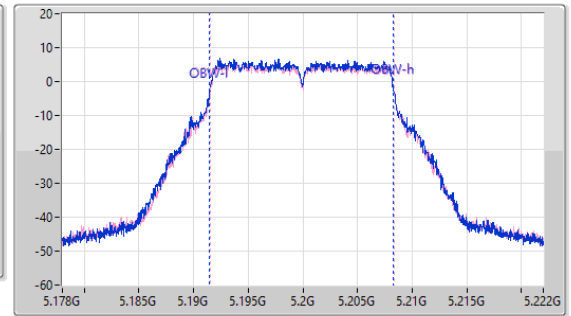
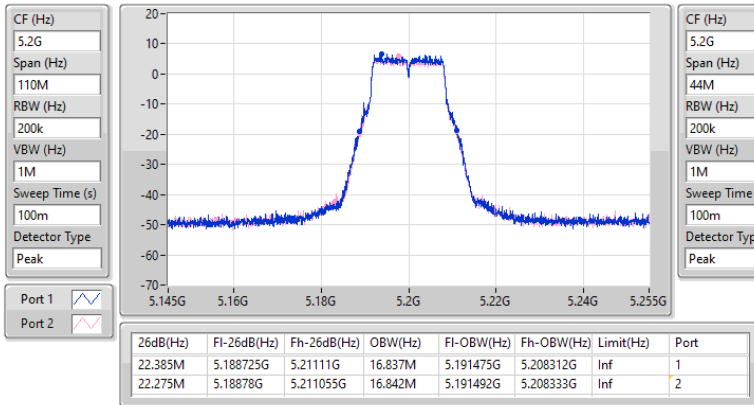


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

11/02/2025

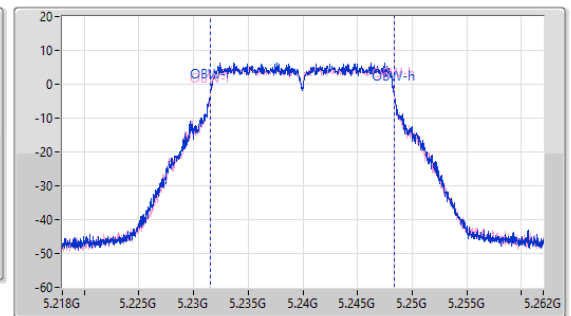
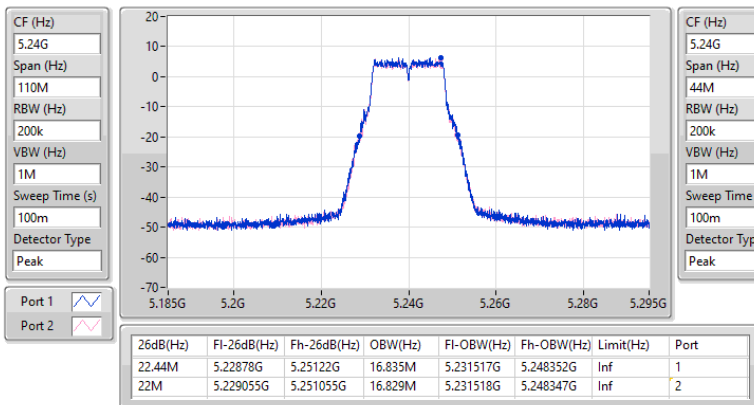


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

11/02/2025

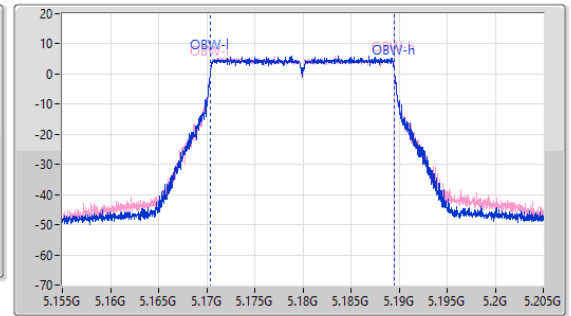
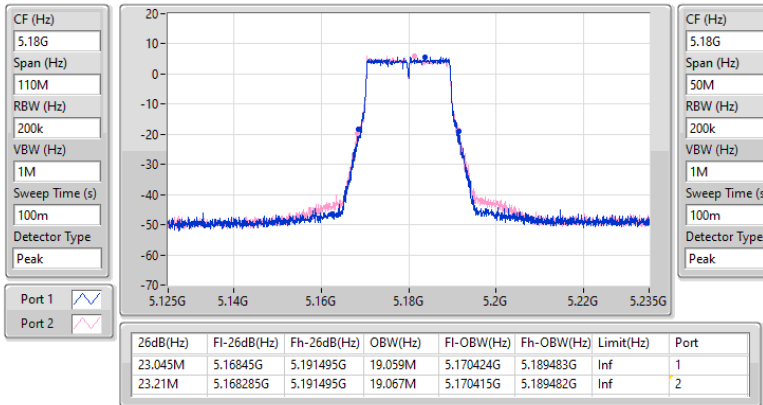


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

11/02/2025

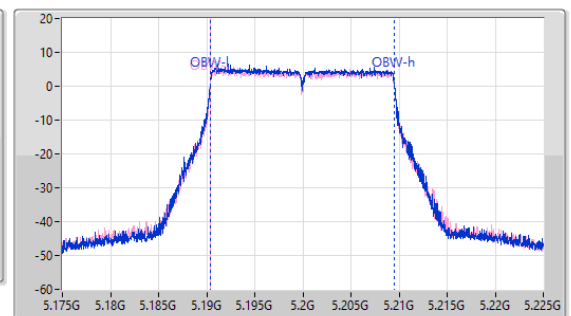
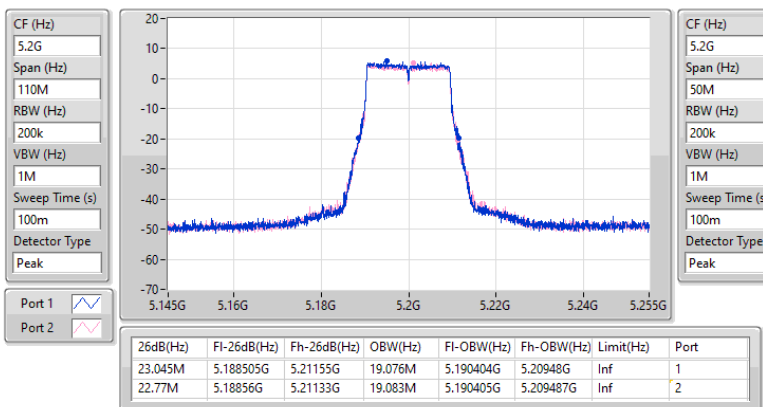


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

11/02/2025

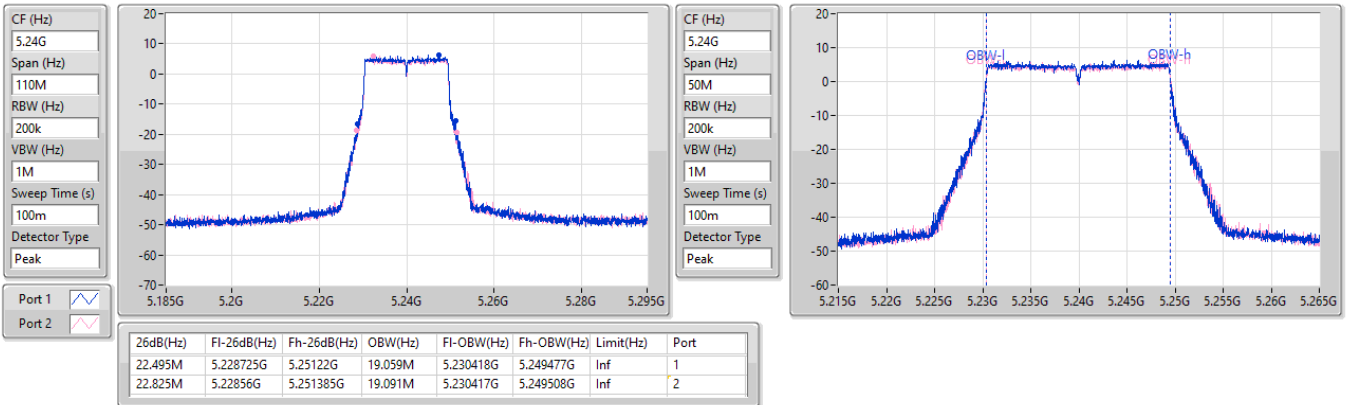


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

11/02/2025

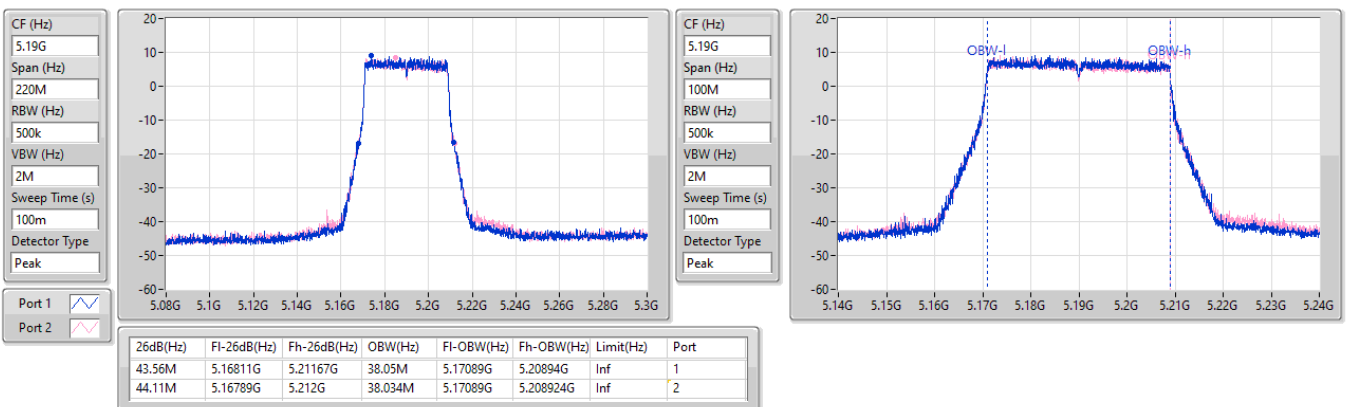


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

11/02/2025

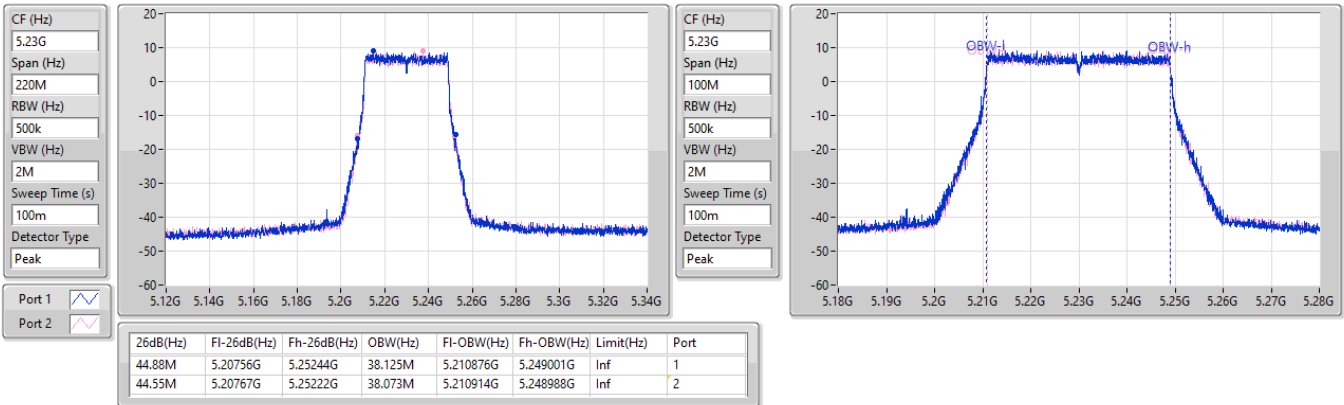


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

11/02/2025

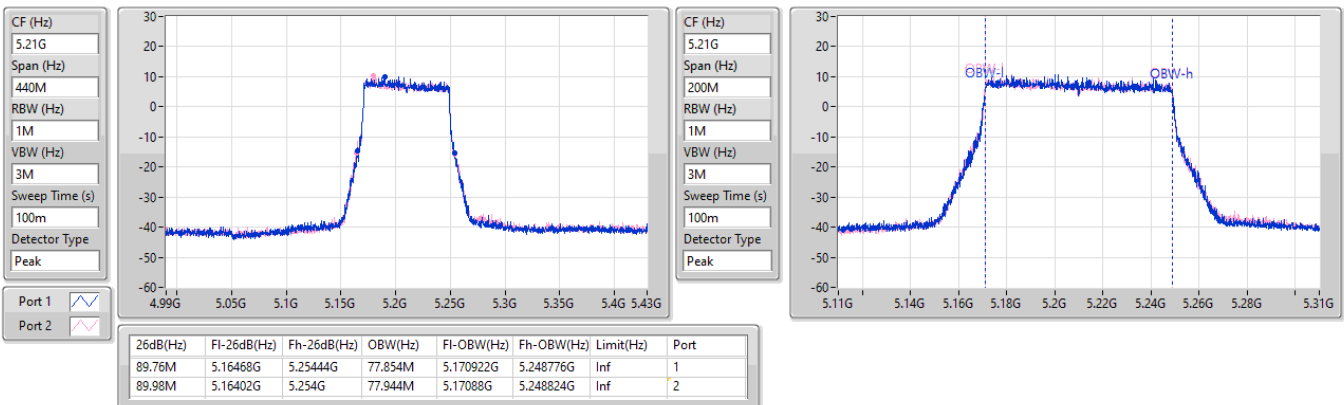


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

11/02/2025

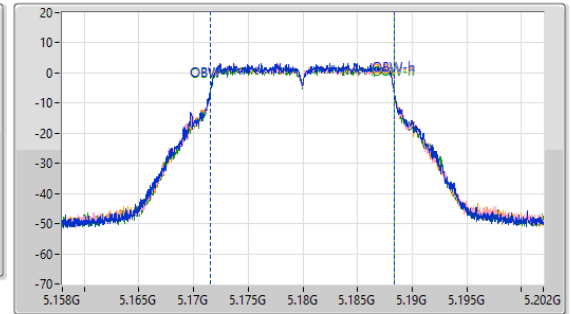
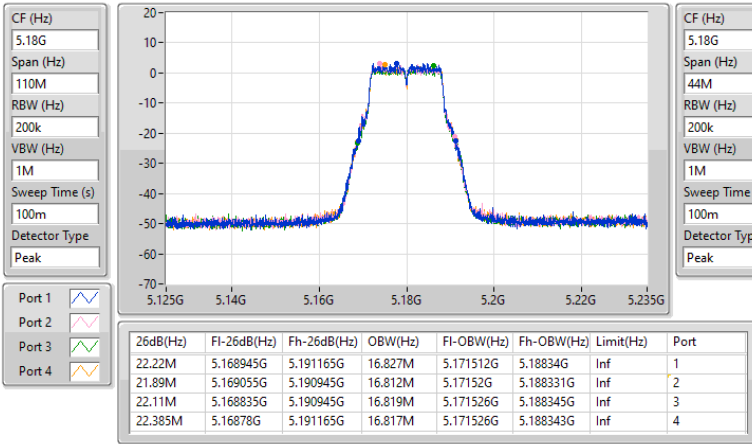


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

11/02/2025

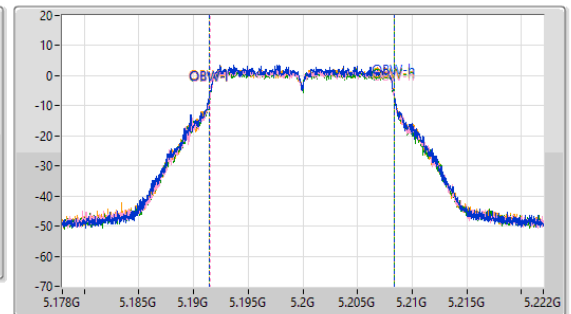
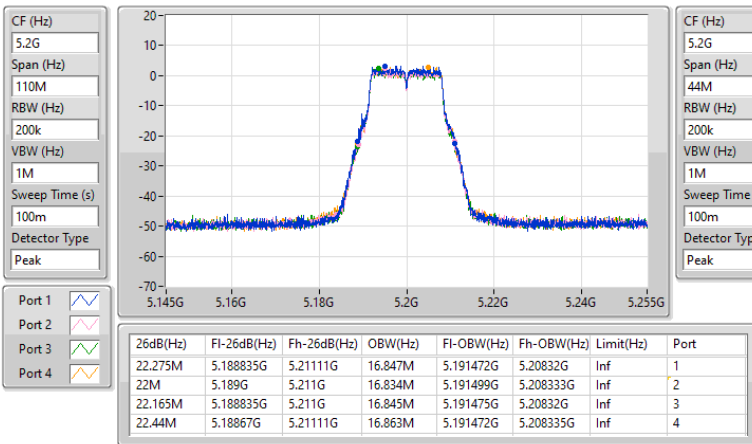


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

11/02/2025

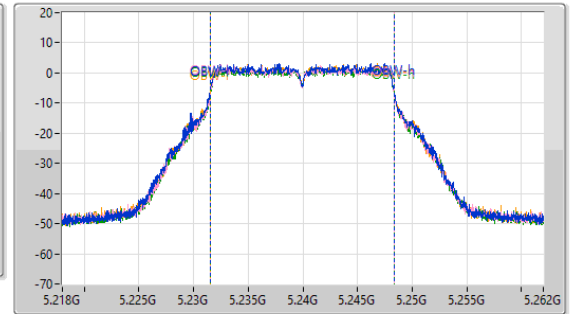
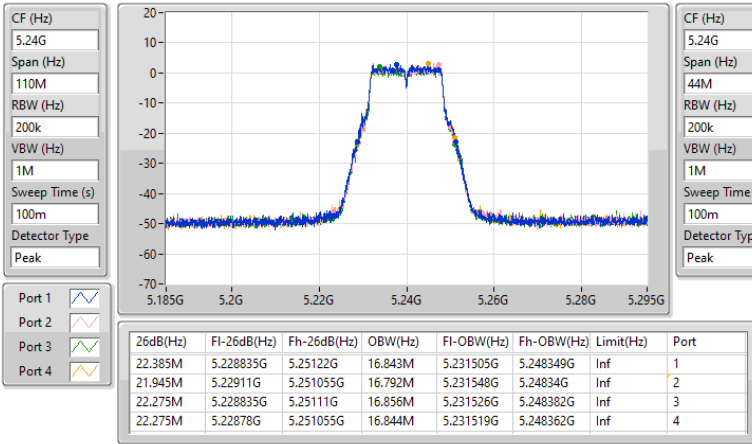


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

11/02/2025

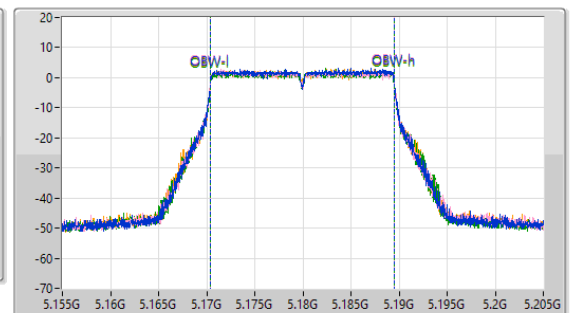
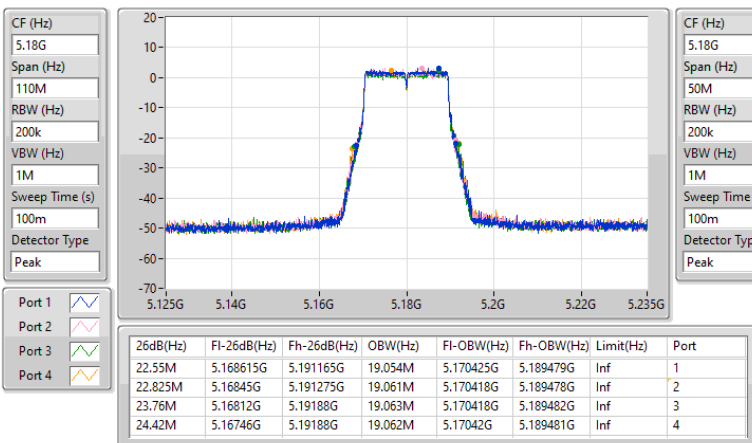


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

11/02/2025

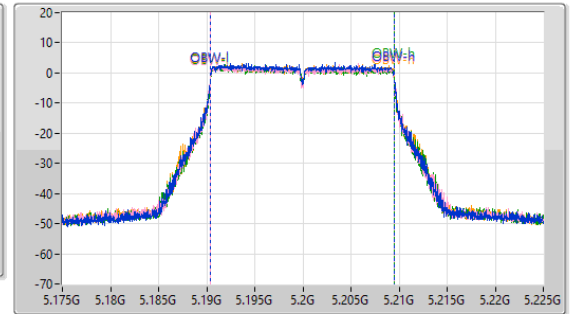
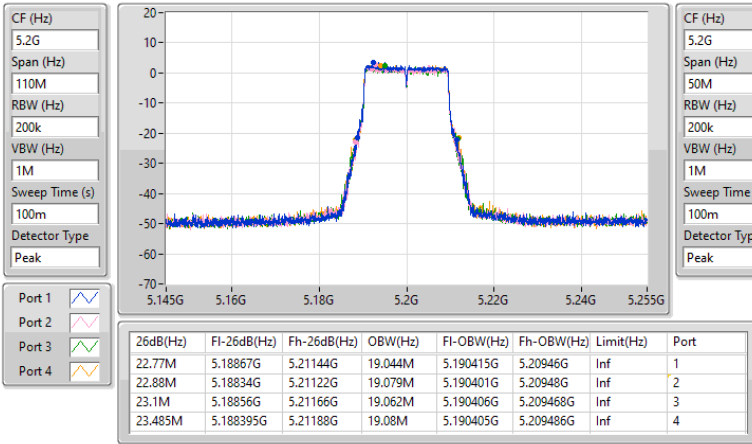


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

12/02/2025

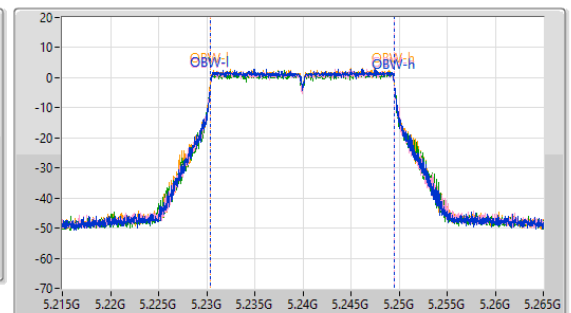
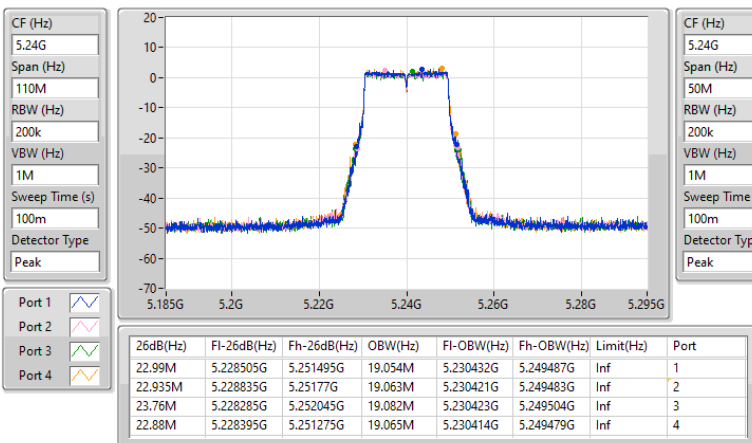


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

12/02/2025

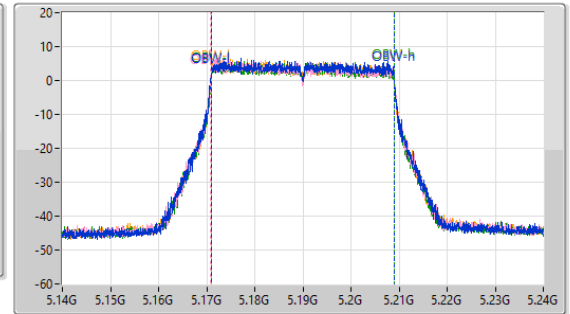
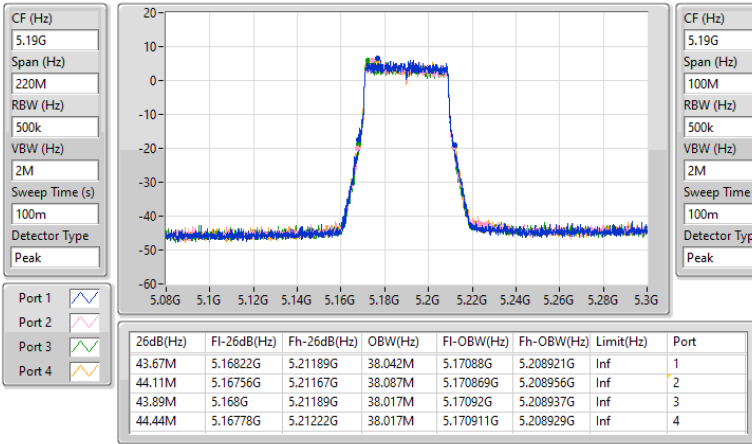


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

12/02/2025

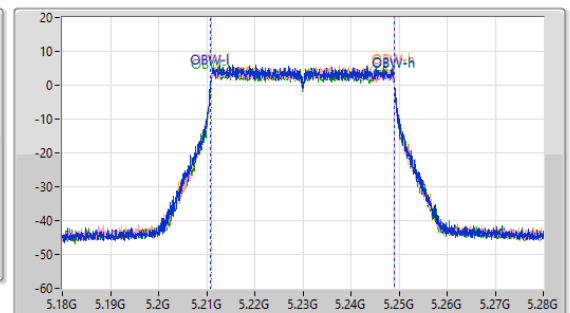
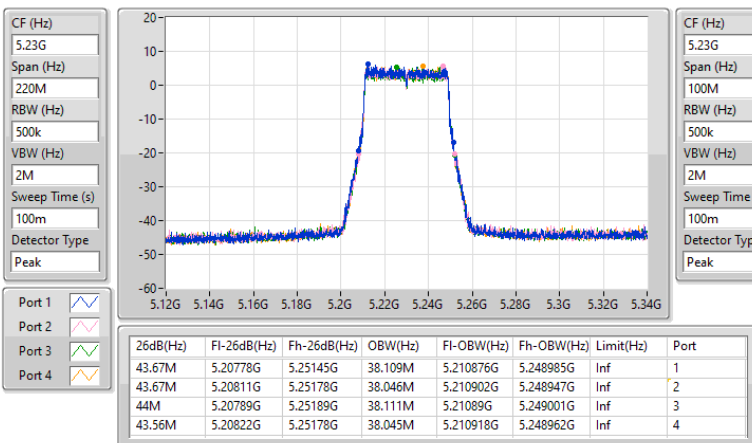


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

12/02/2025

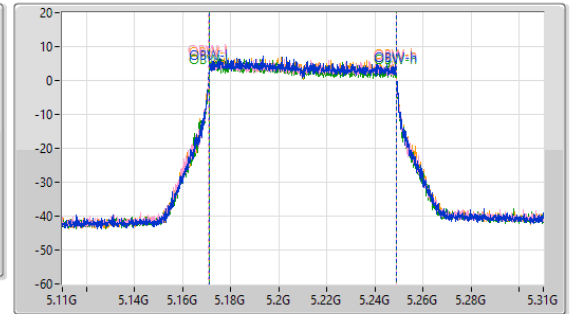
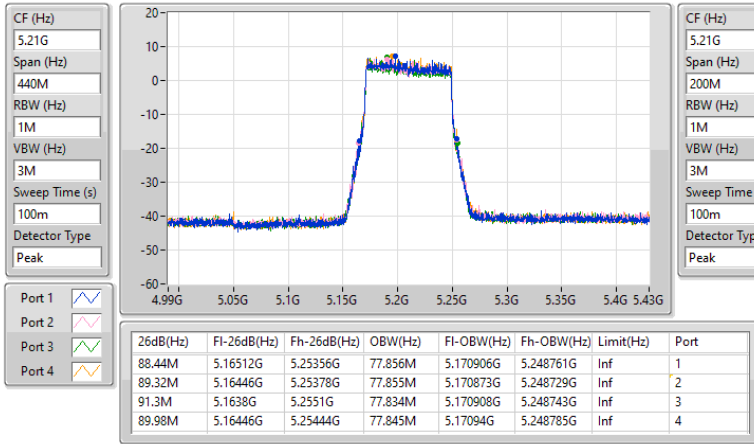


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

12/02/2025





EBW_R5 (External Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix B.4

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	22.385M	16.864M	16M9D1D	22.275M	16.838M
802.11a_Nss1,(6Mbps)_2TX	22.88M	16.884M	16M9D1D	22.165M	16.827M
802.11a_Nss1,(6Mbps)_4TX	22.55M	16.852M	16M9D1D	22.11M	16.781M
802.11be EHT20_Nss1,(MCS0)_1TX	22.99M	19.068M	19M1D1D	22.605M	19.055M
802.11be EHT20_Nss1,(MCS0)_2TX	23.32M	19.08M	19M1D1D	22.33M	19.044M
802.11be EHT20_Nss1,(MCS0)_4TX	23.65M	19.094M	19M1D1D	22.66M	19.059M
802.11be EHT40_Nss1,(MCS0)_1TX	44.55M	38.112M	38M1D1D	44.33M	38.098M
802.11be EHT40_Nss1,(MCS0)_2TX	45.21M	38.1M	38M1D1D	44.44M	38.053M
802.11be EHT40_Nss1,(MCS0)_4TX	44.77M	38.116M	38M1D1D	43.34M	38.042M
802.11be EHT80_Nss1,(MCS0)_1TX	89.54M	77.904M	77M9D1D	89.54M	77.904M
802.11be EHT80_Nss1,(MCS0)_2TX	91.74M	77.859M	77M9D1D	88.44M	77.832M
802.11be EHT80_Nss1,(MCS0)_4TX	91.08M	77.994M	78M0D1D	88.88M	77.753M

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



EBW_R5 (External Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix B.4

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	22.385M	16.864M						
5200MHz	Pass	Inf	22.275M	16.84M						
5240MHz	Pass	Inf	22.385M	16.838M						
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.605M	19.068M						
5200MHz	Pass	Inf	22.99M	19.059M						
5240MHz	Pass	Inf	22.99M	19.055M						
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.55M	38.112M						
5230MHz	Pass	Inf	44.33M	38.098M						
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	89.54M	77.904M						
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.22M	16.829M	22.33M	16.884M				
5200MHz	Pass	Inf	22.22M	16.834M	22.165M	16.869M				
5240MHz	Pass	Inf	22.33M	16.827M	22.88M	16.861M				
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	23.21M	19.044M	22.88M	19.065M				
5200MHz	Pass	Inf	22.33M	19.054M	23.32M	19.064M				
5240MHz	Pass	Inf	22.88M	19.08M	23.265M	19.059M				
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	45.21M	38.1M	44.44M	38.053M				
5230MHz	Pass	Inf	44.66M	38.075M	44.44M	38.078M				
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	91.74M	77.859M	88.44M	77.832M				
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.385M	16.852M	22.44M	16.828M	22.11M	16.823M	22.275M	16.845M
5200MHz	Pass	Inf	22.165M	16.829M	22.44M	16.781M	22.165M	16.836M	22.55M	16.83M
5240MHz	Pass	Inf	22.385M	16.844M	22.44M	16.827M	22.11M	16.831M	22.22M	16.818M
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.825M	19.082M	22.825M	19.061M	23.265M	19.071M	23.43M	19.087M
5200MHz	Pass	Inf	22.66M	19.065M	22.66M	19.059M	22.825M	19.066M	23.65M	19.084M
5240MHz	Pass	Inf	23.045M	19.078M	22.77M	19.094M	22.935M	19.063M	23.1M	19.087M
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.77M	38.105M	43.67M	38.087M	43.34M	38.099M	43.67M	38.091M
5230MHz	Pass	Inf	43.89M	38.114M	43.67M	38.042M	43.78M	38.116M	44.22M	38.094M
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	90.86M	77.855M	88.88M	77.753M	91.08M	77.994M	89.98M	77.887M

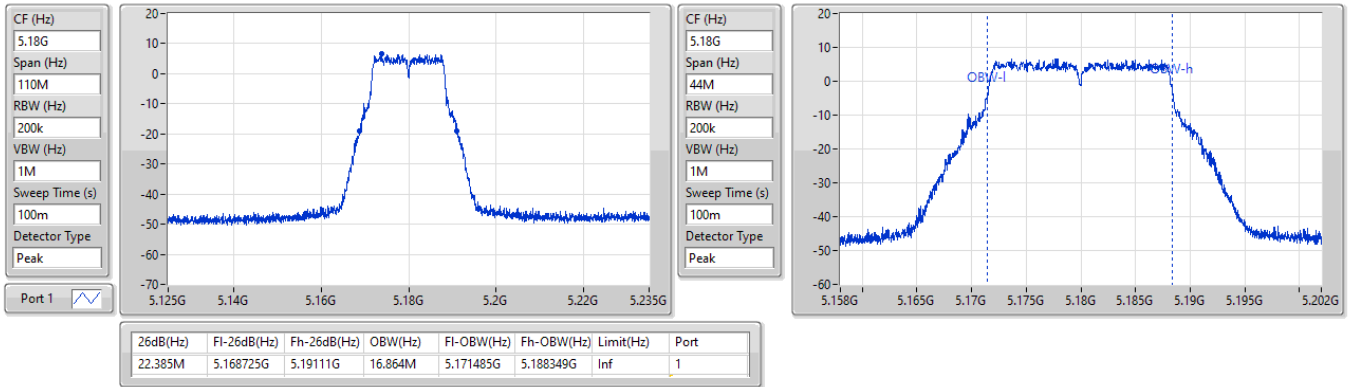
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

12/02/2025

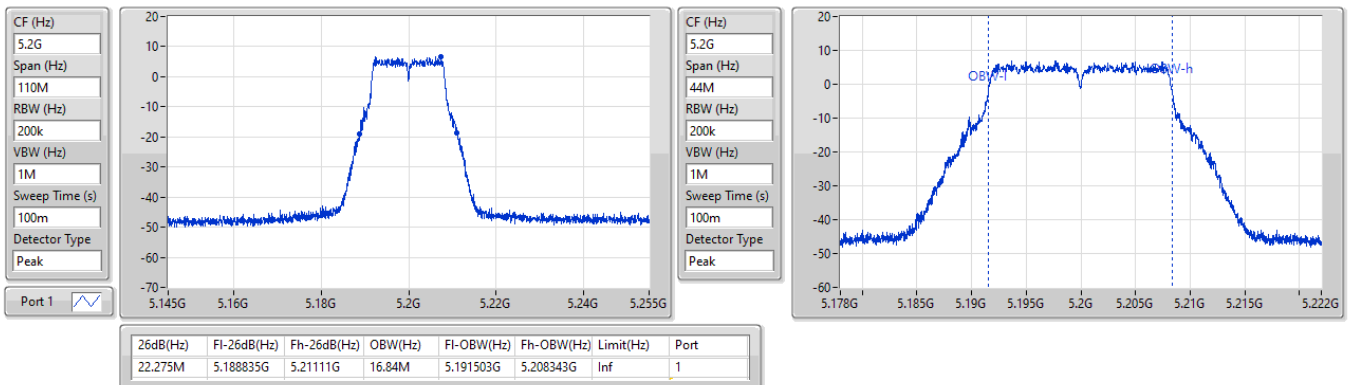


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

12/02/2025

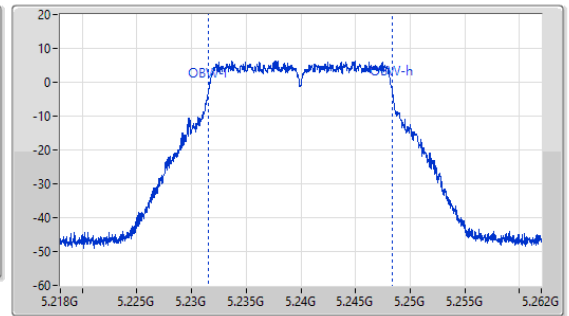
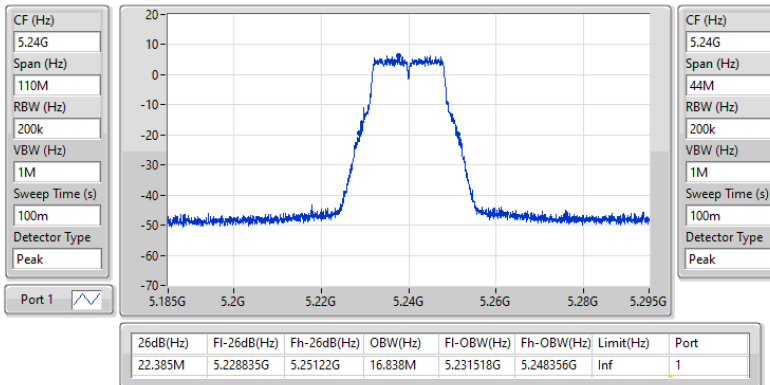


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

12/02/2025

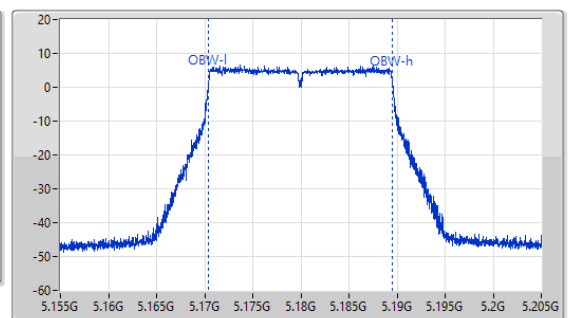
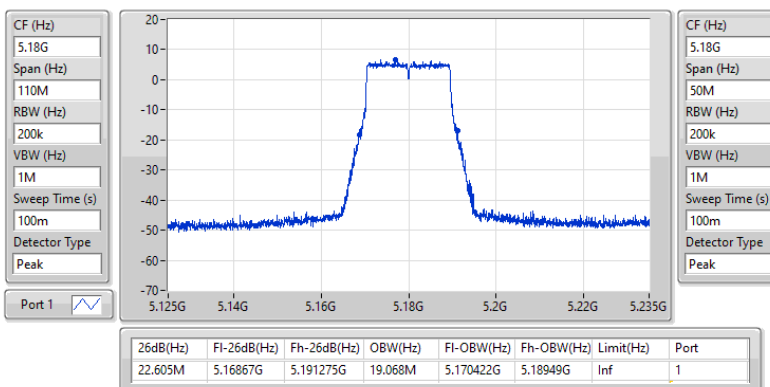


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5180MHz

12/02/2025

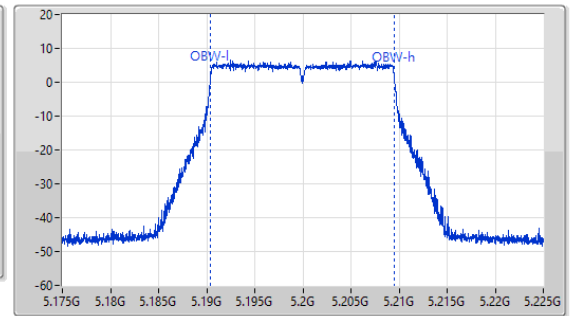
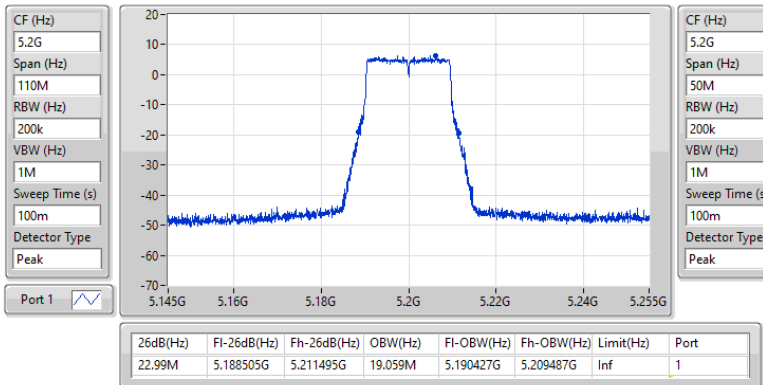


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5200MHz

12/02/2025

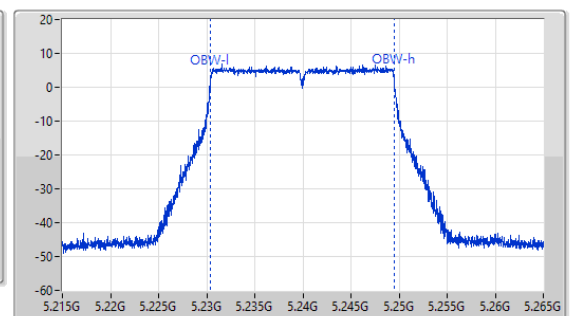
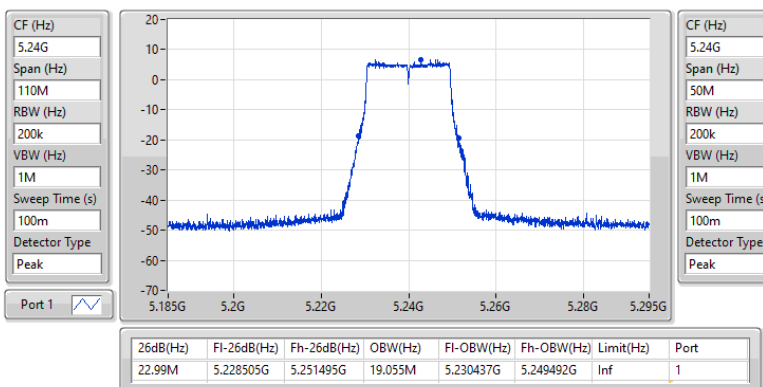


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5240MHz

12/02/2025

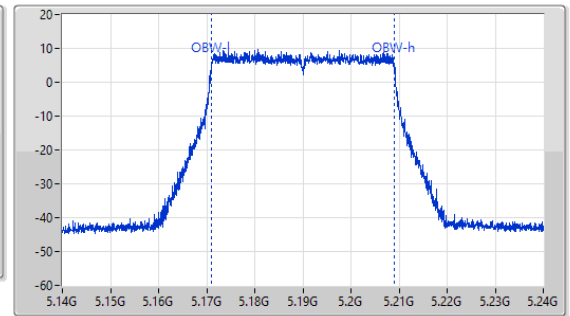
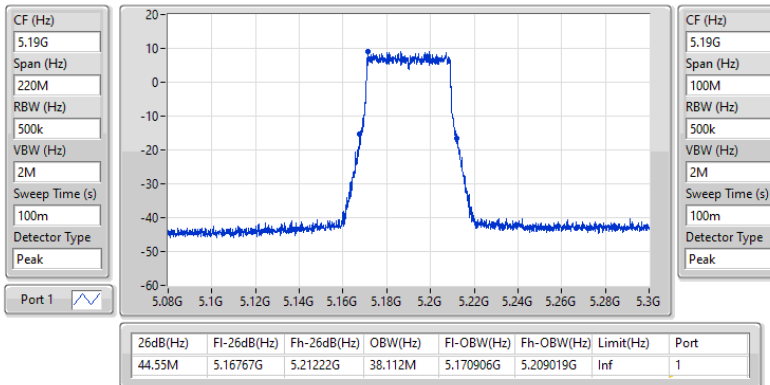


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

12/02/2025

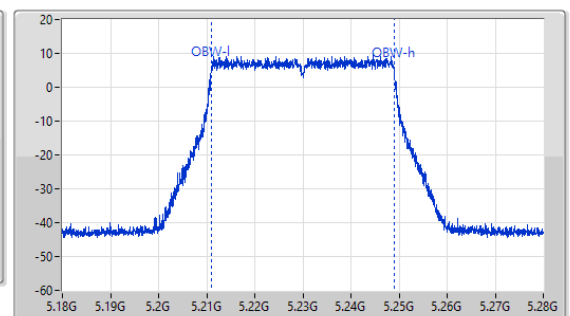
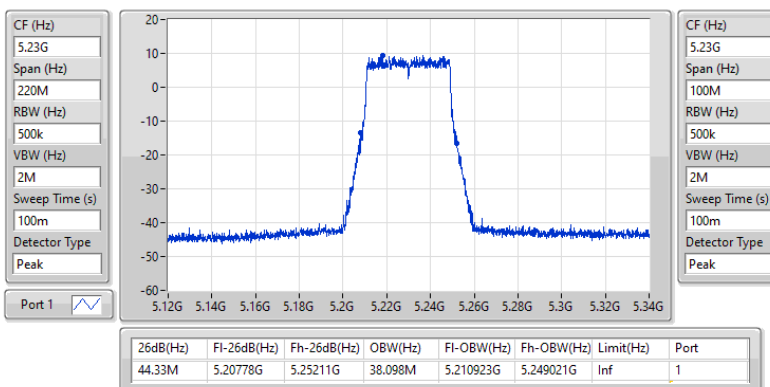


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

12/02/2025

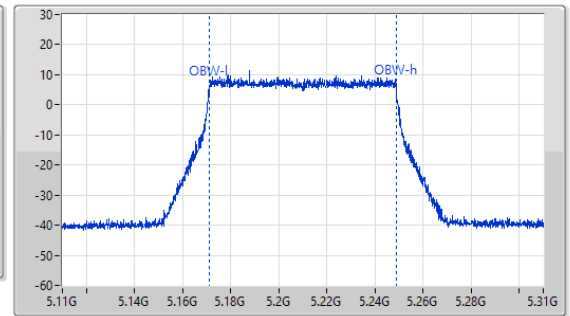
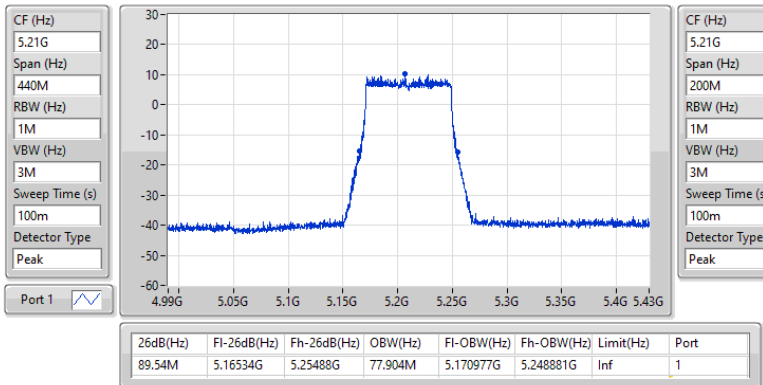


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

12/02/2025

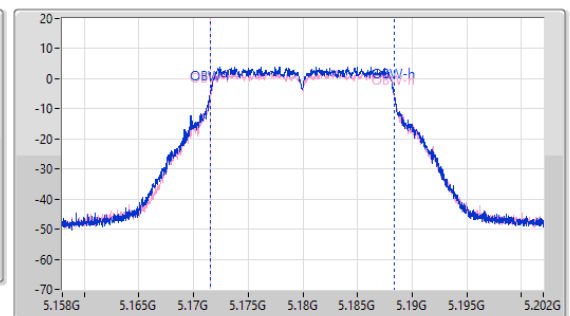
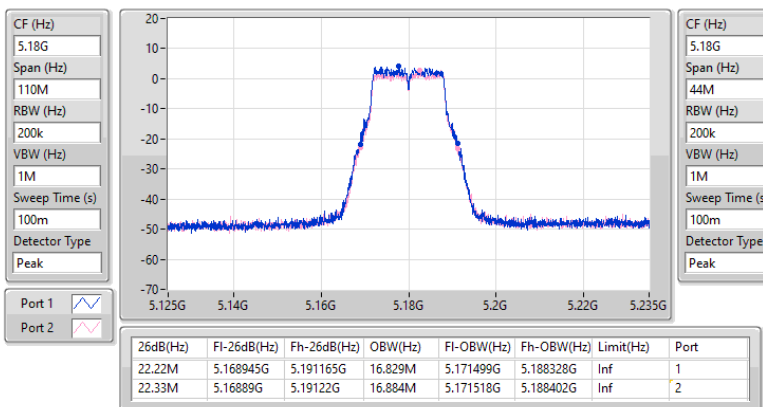


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

12/02/2025

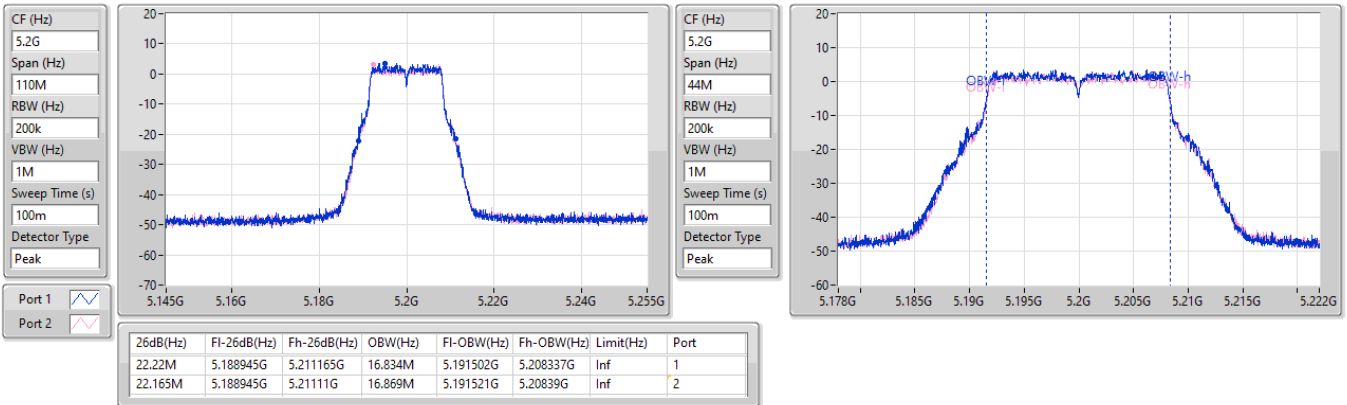


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

12/02/2025

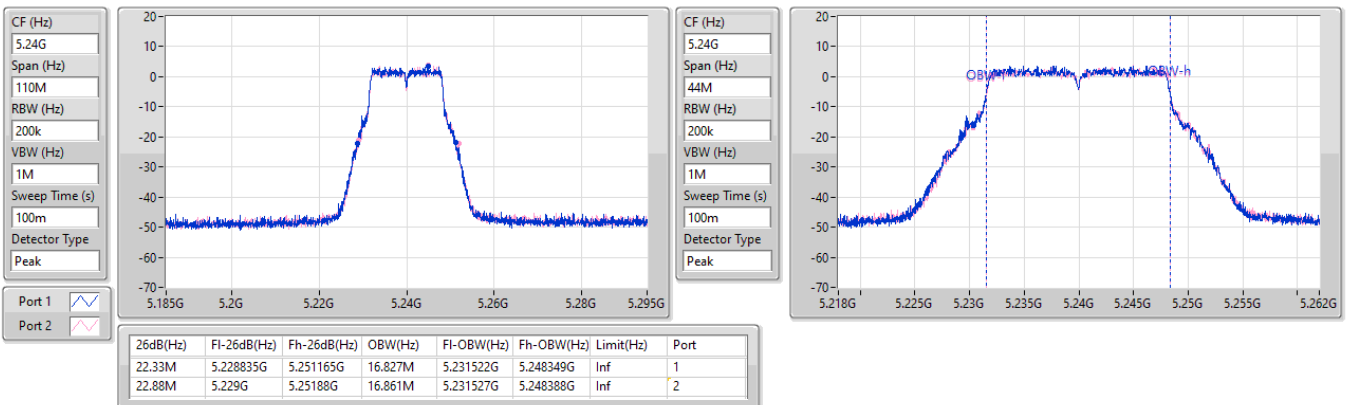


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

12/02/2025

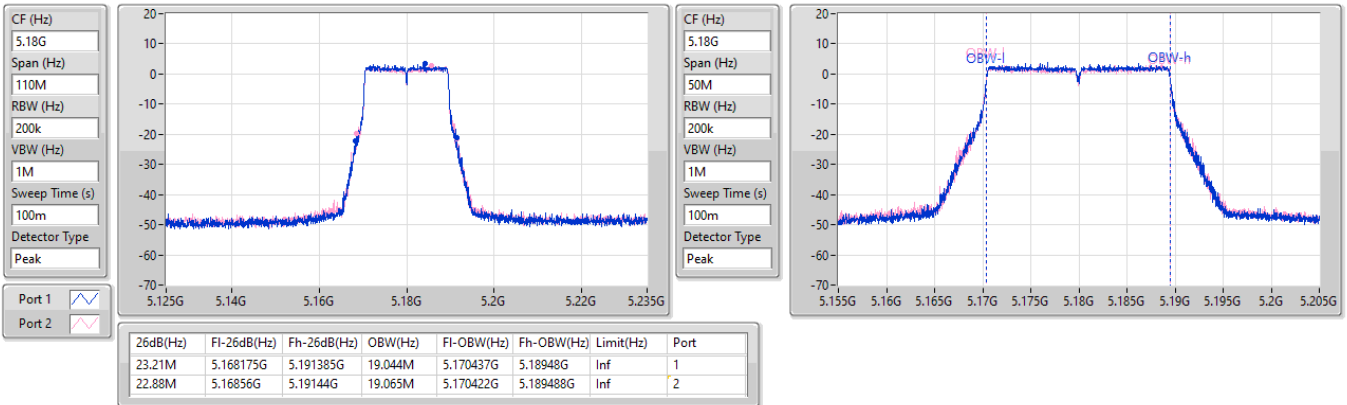


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

12/02/2025

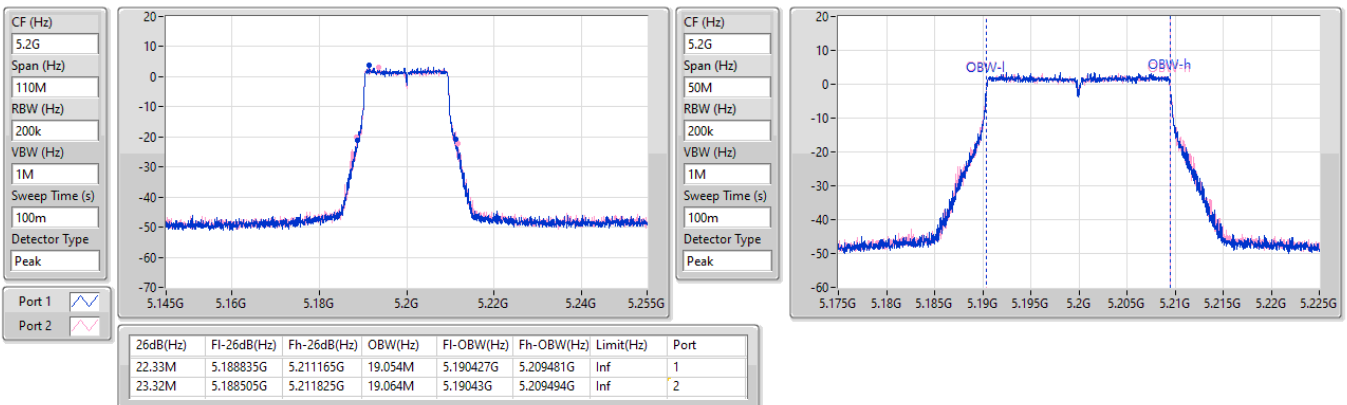


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

12/02/2025

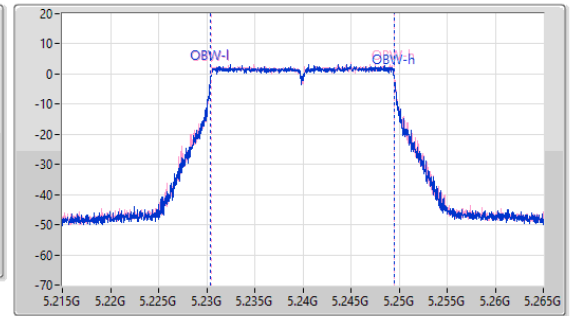
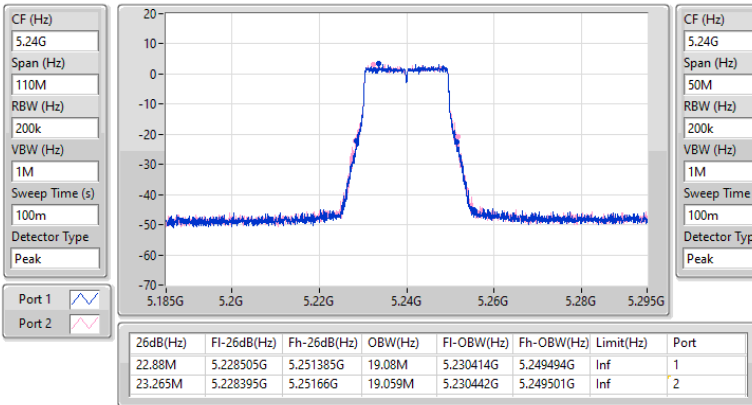


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

12/02/2025

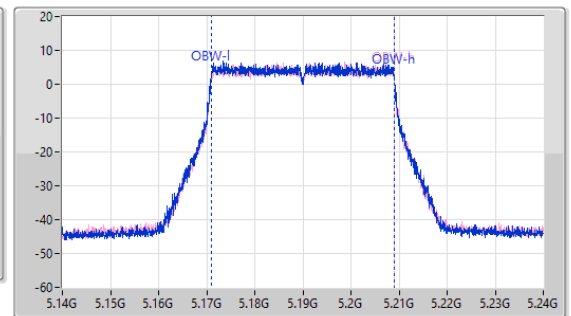
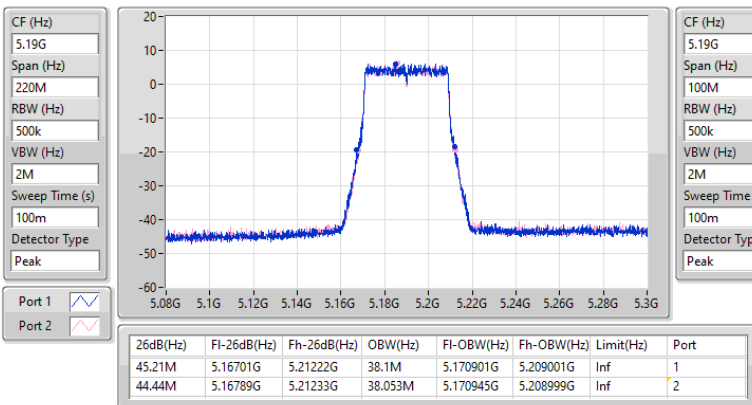


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

12/02/2025

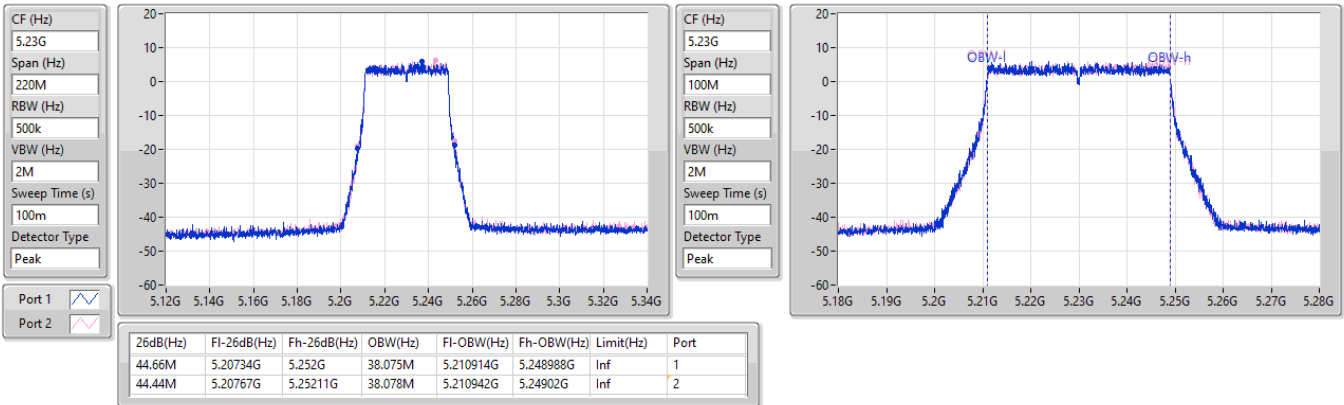


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

12/02/2025

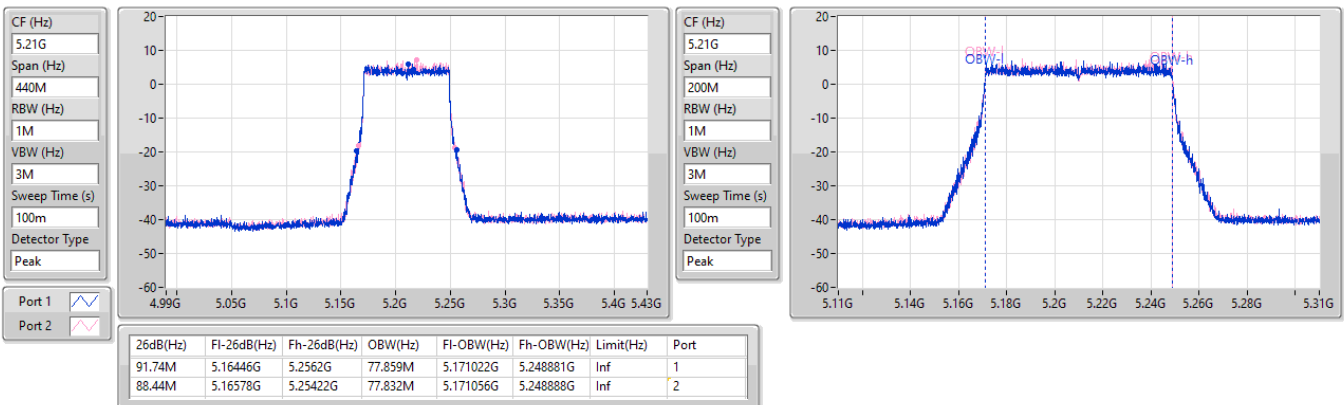


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

12/02/2025

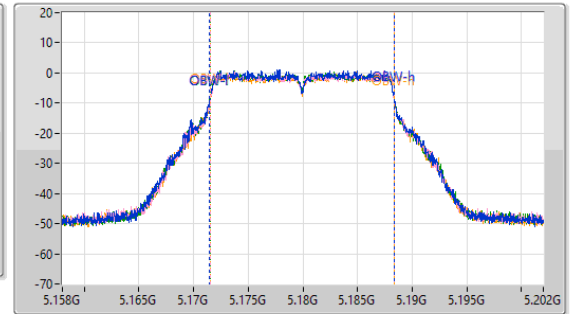
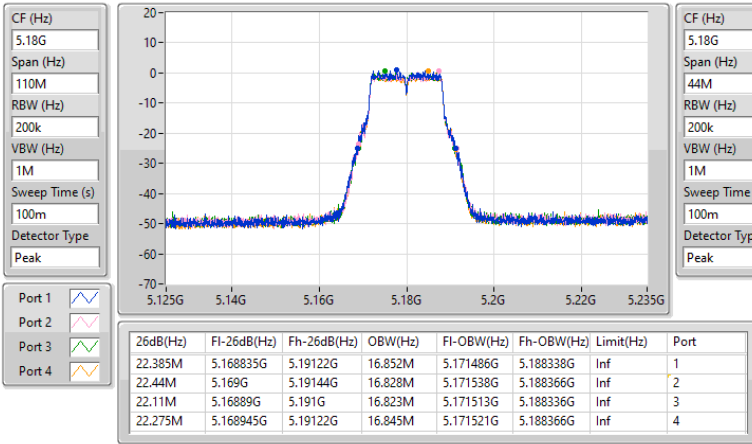


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5180MHz

12/02/2025

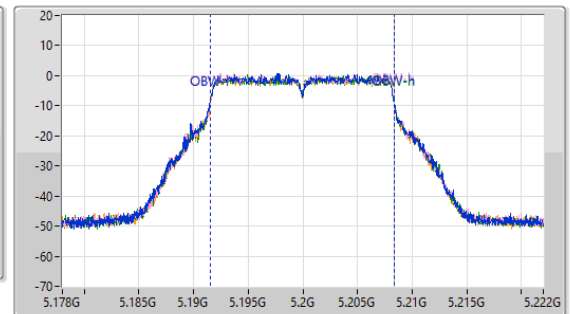
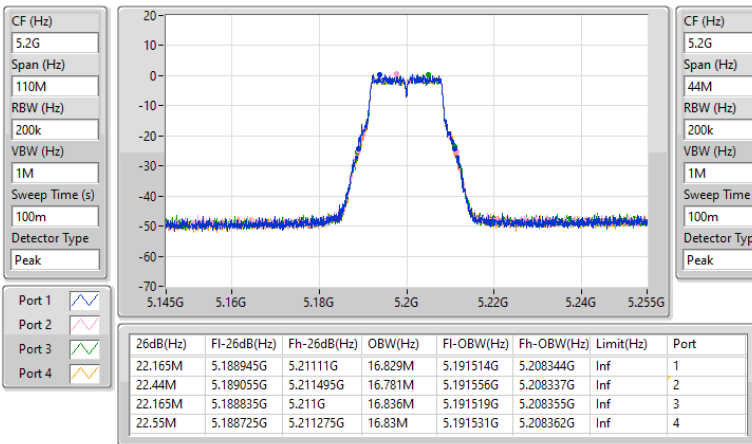


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

12/02/2025

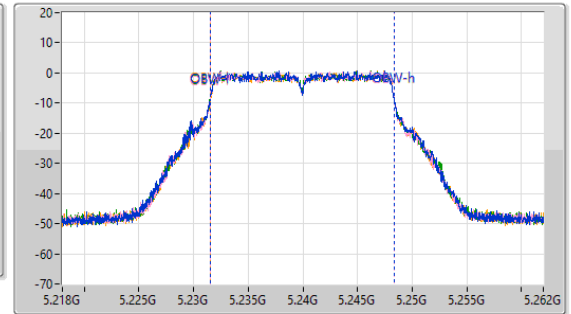
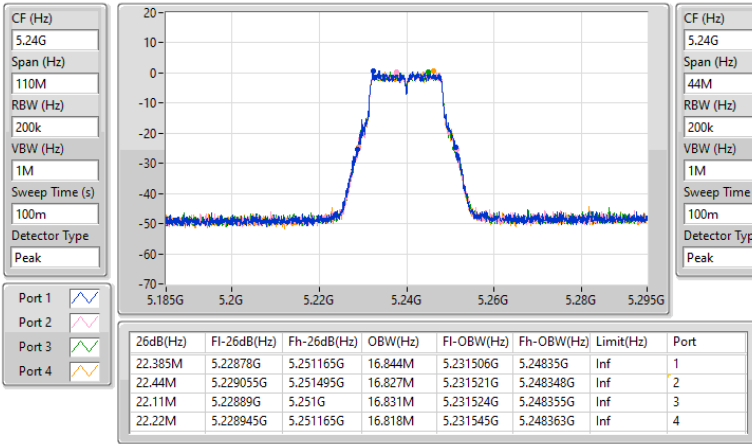


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

12/02/2025

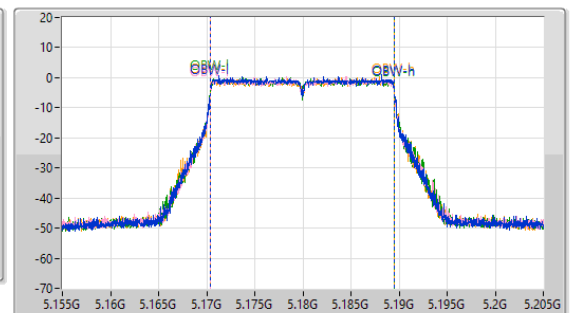
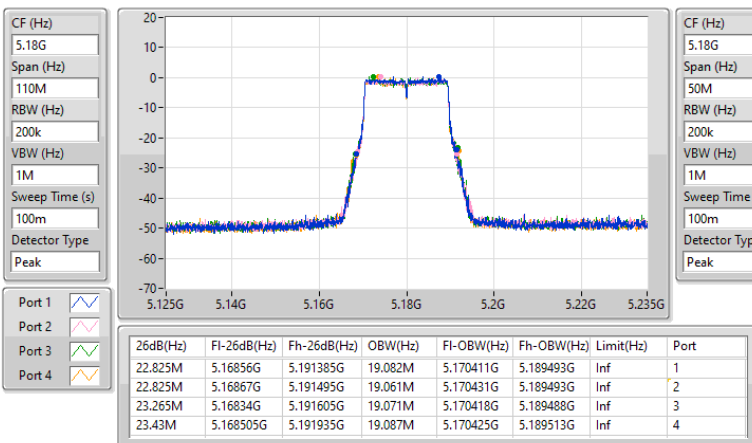


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5180MHz

12/02/2025

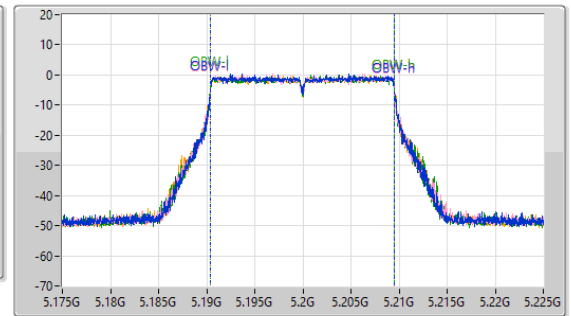
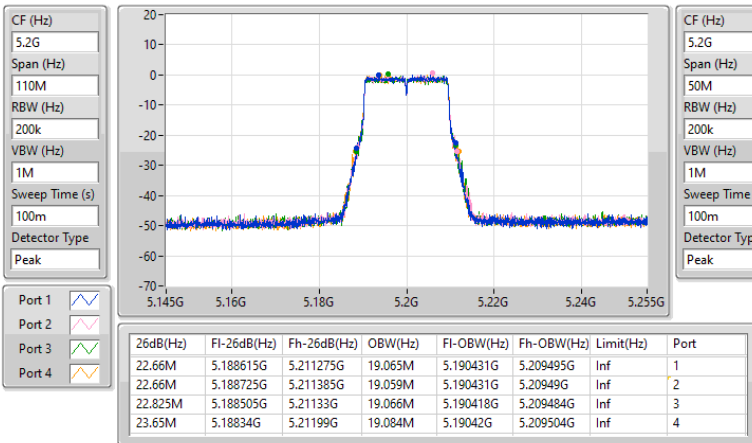


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5200MHz

12/02/2025

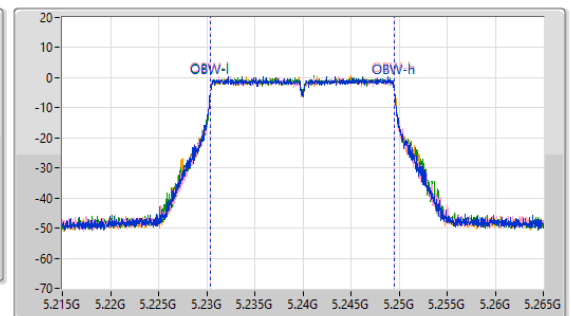
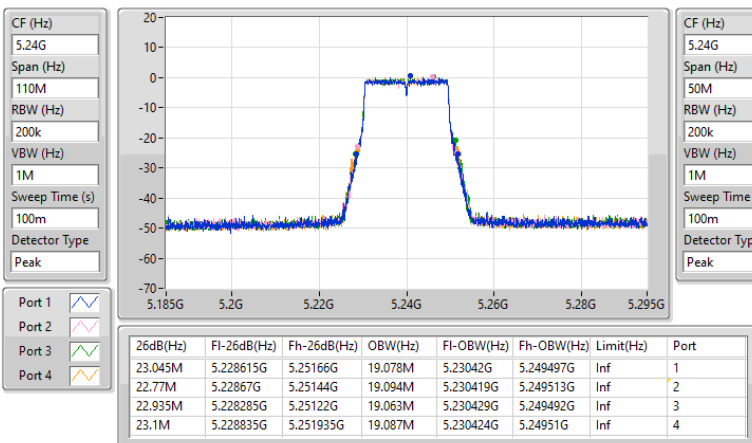


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

EBW

5240MHz

12/02/2025

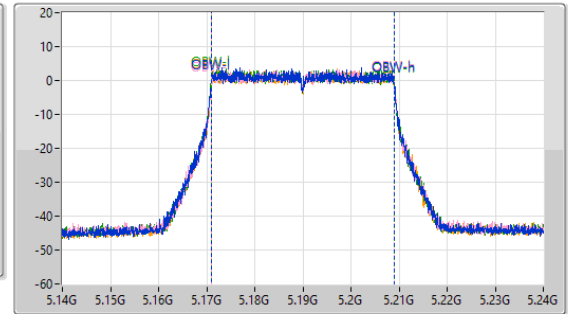
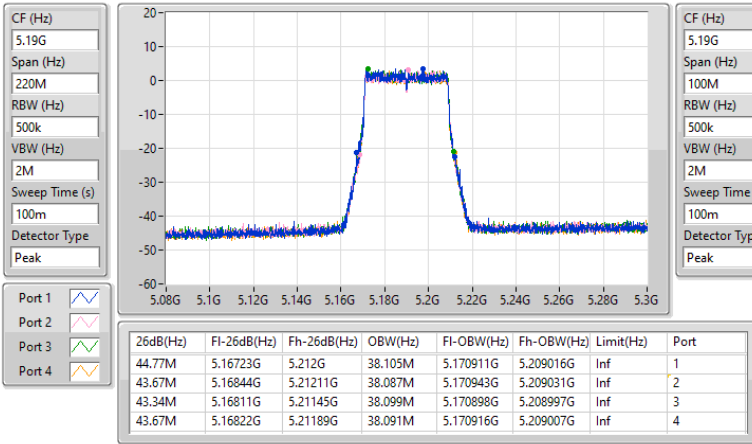


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5190MHz

12/02/2025

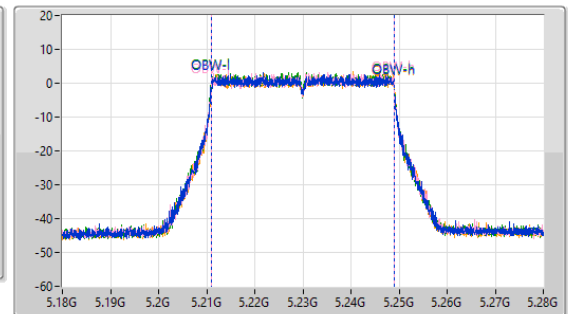
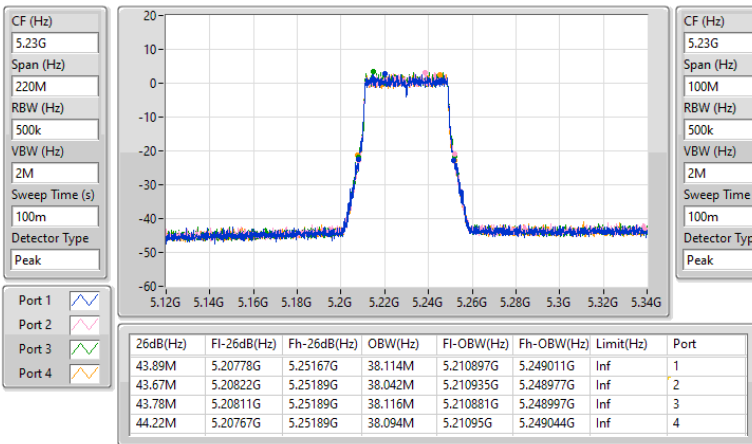


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

EBW

5230MHz

12/02/2025

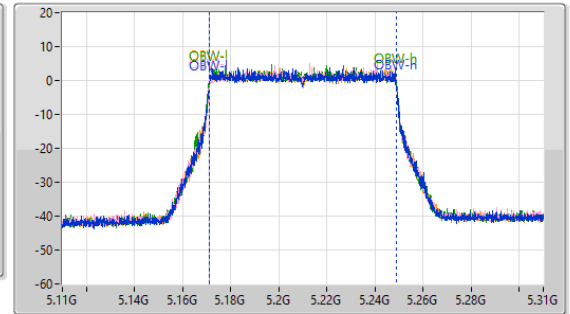
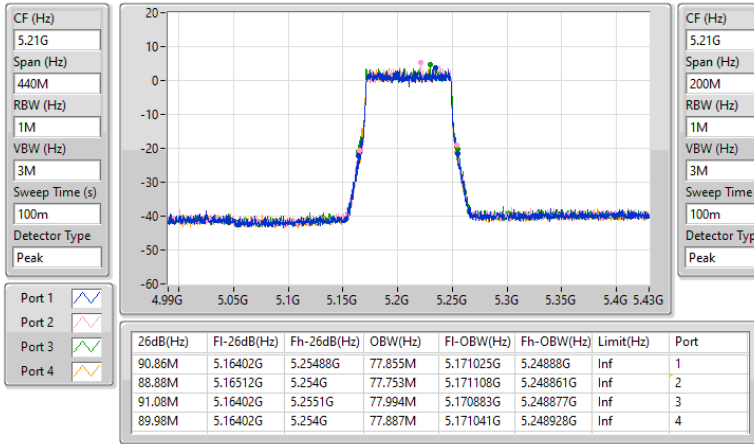


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

EBW

5210MHz

12/02/2025





Average Power_R1
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.17	0.06561	20.66	0.116413
802.11ax HEW20_Nss1,(MCS0)_1TX	18.47	0.07031	20.96	0.124738
802.11ax HEW40_Nss1,(MCS0)_1TX	18.40	0.06918	20.89	0.122744
802.11ax HEW80_Nss1,(MCS0)_1TX	16.41	0.04375	18.90	0.077625



Average Power_R1
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.1

Result

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°]Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.90/2.49	18.17	18.17	30.00	20.66	21.00
5200MHz	Pass	4.90/2.49	18.08	18.08	30.00	20.57	21.00
5240MHz	Pass	4.90/2.49	18.14	18.14	30.00	20.63	21.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5180MHz	Pass	4.90/2.49	18.25	18.25	30.00	20.74	21.00
5200MHz	Pass	4.90/2.49	18.44	18.44	30.00	20.93	21.00
5240MHz	Pass	4.90/2.49	18.47	18.47	30.00	20.96	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5190MHz	Pass	4.90/2.49	16.94	16.94	30.00	19.43	21.00
5230MHz	Pass	4.90/2.49	18.40	18.40	30.00	20.89	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5210MHz	Pass	4.90/2.49	16.41	16.41	30.00	18.90	21.00

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



Average Power_R3
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	18.51	0.07096	20.77	0.119399
802.11a_Nss1,(6Mbps)_2TX	18.69	0.07396	20.95	0.124451
802.11a_Nss1,(6Mbps)_4TX	18.61	0.07261	20.87	0.122180
802.11be EHT20_Nss1,(MCS0)_1TX	18.71	0.07430	20.97	0.125026
802.11be EHT20_Nss1,(MCS0)_2TX	18.45	0.06998	20.71	0.117761
802.11be EHT20_Nss1,(MCS0)_4TX	18.58	0.07211	20.84	0.121339
802.11be EHT20-BF_Nss1,(MCS0)_2TX	18.45	0.06998	20.71	0.117761
802.11be EHT20-BF_Nss1,(MCS0)_4TX	15.69	0.03707	20.96	0.124738
802.11be EHT40_Nss1,(MCS0)_1TX	18.65	0.07328	20.91	0.123310
802.11be EHT40_Nss1,(MCS0)_2TX	18.69	0.07396	20.95	0.124451
802.11be EHT40_Nss1,(MCS0)_4TX	18.37	0.06871	20.63	0.115611
802.11be EHT40-BF_Nss1,(MCS0)_2TX	18.69	0.07396	20.95	0.124451
802.11be EHT40-BF_Nss1,(MCS0)_4TX	15.69	0.03707	20.96	0.124738
802.11be EHT80_Nss1,(MCS0)_1TX	18.53	0.07129	20.79	0.119950
802.11be EHT80_Nss1,(MCS0)_2TX	18.55	0.07161	20.81	0.120504
802.11be EHT80_Nss1,(MCS0)_4TX	17.13	0.05164	19.39	0.086896
802.11be EHT80-BF_Nss1,(MCS0)_2TX	18.55	0.07161	20.81	0.120504
802.11be EHT80-BF_Nss1,(MCS0)_4TX	15.33	0.03412	20.60	0.114815



Average Power_R3
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.2

Result

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	18.36				18.36	25.60	20.62	21.00
5200MHz	Pass	10.40/2.26	18.44				18.44	25.60	20.70	21.00
5240MHz	Pass	10.40/2.26	18.51				18.51	25.60	20.77	21.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	18.49				18.49	25.60	20.75	21.00
5200MHz	Pass	10.40/2.26	18.62				18.62	25.60	20.88	21.00
5240MHz	Pass	10.40/2.26	18.71				18.71	25.60	20.97	21.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40/2.26	18.22				18.22	25.60	20.48	21.00
5230MHz	Pass	10.40/2.26	18.65				18.65	25.60	20.91	21.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40/2.26	18.53				18.53	25.60	20.79	21.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	15.88	15.48			18.69	25.60	20.95	21.00
5200MHz	Pass	10.40/2.26	15.4	15.22			18.32	25.60	20.58	21.00
5240MHz	Pass	10.40/2.26	15.95	15.31			18.65	25.60	20.91	21.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	15.46	15.07			18.28	25.60	20.54	21.00
5200MHz	Pass	10.40/2.26	15.51	15.37			18.45	25.60	20.71	21.00
5240MHz	Pass	10.40/2.26	15.55	15.18			18.38	25.60	20.64	21.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40/2.26	15.46	15.16			18.32	25.60	20.58	21.00
5230MHz	Pass	10.40/2.26	15.91	15.43			18.69	25.60	20.95	21.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40/2.26	15.71	15.36			18.55	25.60	20.81	21.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	12.73	12.32	12.28	12.57	18.50	25.60	20.76	21.00
5200MHz	Pass	10.40/2.26	12.69	12.6	12.15	12.87	18.61	25.60	20.87	21.00
5240MHz	Pass	10.40/2.26	12.46	12.14	12.05	12.44	18.30	25.60	20.56	21.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	12.72	12.4	12.45	12.66	18.58	25.60	20.84	21.00
5200MHz	Pass	10.40/2.26	12.43	12.29	11.89	12.57	18.32	25.60	20.58	21.00
5240MHz	Pass	10.40/2.26	12.51	12.3	12.23	12.58	18.43	25.60	20.69	21.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40/2.26	12.56	11.87	12.49	11.77	18.21	25.60	20.47	21.00
5230MHz	Pass	10.40/2.26	12.49	12.11	12.17	12.59	18.37	25.60	20.63	21.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40/2.26	11.45	10.84	11.32	10.77	17.13	25.60	19.39	21.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40/2.26	15.46	15.07			18.28	25.60	20.54	21.00
5200MHz	Pass	10.40/2.26	15.51	15.37			18.45	25.60	20.71	21.00
5240MHz	Pass	10.40/2.26	15.55	15.18			18.38	25.60	20.64	21.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40/2.26	15.46	15.16			18.32	25.60	20.58	21.00
5230MHz	Pass	10.40/2.26	15.91	15.43			18.69	25.60	20.95	21.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40/2.26	15.71	15.36			18.55	25.60	20.81	21.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02/5.27	9.88	9.53	9.54	9.71	15.69	22.98	20.96	21.00
5200MHz	Pass	13.02/5.27	9.39	9.43	8.91	9.47	15.33	22.98	20.60	21.00
5240MHz	Pass	13.02/5.27	9.61	9.33	9.28	9.51	15.46	22.98	20.73	21.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	13.02/5.27	9.78	9.66	9.41	9.81	15.69	22.98	20.96	21.00



Average Power_R3
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.2

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
5230MHz	Pass	13.02/5.27	9.68	9.16	9.28	9.45	15.42	22.98	20.69	21.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02/5.27	9.51	9.12	9.07	9.5	15.33	22.98	20.60	21.00

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



Average Power_R5 (Internal Ant.)
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	19.44	0.08790	20.76	0.119124
802.11a_Nss1,(6Mbps)_2TX	19.54	0.08995	20.86	0.121899
802.11a_Nss1,(6Mbps)_4TX	19.42	0.08750	20.74	0.118577
802.11be EHT20_Nss1,(MCS0)_1TX	19.53	0.08974	20.85	0.121619
802.11be EHT20_Nss1,(MCS0)_2TX	19.64	0.09204	20.96	0.124738
802.11be EHT20_Nss1,(MCS0)_4TX	19.58	0.09078	20.9	0.123027
802.11be EHT20-BF_Nss1,(MCS0)_2TX	19.64	0.09204	20.96	0.124738
802.11be EHT20-BF_Nss1,(MCS0)_4TX	16.64	0.04613	20.97	0.125026
802.11be EHT40_Nss1,(MCS0)_1TX	19.28	0.08472	20.6	0.114815
802.11be EHT40_Nss1,(MCS0)_2TX	19.56	0.09036	20.88	0.122462
802.11be EHT40_Nss1,(MCS0)_4TX	19.49	0.08892	20.81	0.120504
802.11be EHT40-BF_Nss1,(MCS0)_2TX	19.56	0.09036	20.88	0.122462
802.11be EHT40-BF_Nss1,(MCS0)_4TX	16.53	0.04498	20.86	0.121899
802.11be EHT80_Nss1,(MCS0)_1TX	17.35	0.05433	18.67	0.073621
802.11be EHT80_Nss1,(MCS0)_2TX	19.04	0.08017	20.36	0.108643
802.11be EHT80_Nss1,(MCS0)_4TX	19.37	0.08650	20.69	0.117220
802.11be EHT80-BF_Nss1,(MCS0)_2TX	19.04	0.08017	20.36	0.108643
802.11be EHT80-BF_Nss1,(MCS0)_4TX	16.59	0.04560	20.92	0.123595



Average Power_R5 (Internal Ant.)
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.3

Result

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	19.44				19.44	26.60	20.76	21.00
5200MHz	Pass	9.40/1.32	19.35				19.35	26.60	20.67	21.00
5240MHz	Pass	9.40/1.32	19.27				19.27	26.60	20.59	21.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	19.52				19.52	26.60	20.84	21.00
5200MHz	Pass	9.40/1.32	19.53				19.53	26.60	20.85	21.00
5240MHz	Pass	9.40/1.32	19.41				19.41	26.60	20.73	21.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40/1.32	18.32				18.32	26.60	19.64	21.00
5230MHz	Pass	9.40/1.32	19.28				19.28	26.60	20.6	21.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40/1.32	17.35				17.35	26.60	18.67	21.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	16.27	16.26			19.28	26.60	20.6	21.00
5200MHz	Pass	9.40/1.32	16.82	16.22			19.54	26.60	20.86	21.00
5240MHz	Pass	9.40/1.32	16.59	16.31			19.46	26.60	20.78	21.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	16.44	16.48			19.47	26.60	20.79	21.00
5200MHz	Pass	9.40/1.32	16.56	15.83			19.22	26.60	20.54	21.00
5240MHz	Pass	9.40/1.32	16.75	16.51			19.64	26.60	20.96	21.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40/1.32	16.44	16.20			19.33	26.60	20.65	21.00
5230MHz	Pass	9.40/1.32	16.69	16.40			19.56	26.60	20.88	21.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40/1.32	16.50	15.50			19.04	26.60	20.36	21.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	13.72	13.41	13.00	13.43	19.42	26.60	20.74	21.00
5200MHz	Pass	9.40/1.32	13.70	13.12	12.8	13.35	19.28	26.60	20.6	21.00
5240MHz	Pass	9.40/1.32	13.44	13.11	12.69	13.48	19.21	26.60	20.53	21.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	13.85	13.58	13.2	13.58	19.58	26.60	20.9	21.00
5200MHz	Pass	9.40/1.32	13.89	13.30	12.99	13.55	19.47	26.60	20.79	21.00
5240MHz	Pass	9.40/1.32	13.55	13.36	12.97	13.62	19.40	26.60	20.72	21.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40/1.32	13.83	13.39	13.15	13.49	19.49	26.60	20.81	21.00
5230MHz	Pass	9.40/1.32	13.53	13.32	12.99	13.46	19.35	26.60	20.67	21.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40/1.32	13.51	12.77	13.11	12.91	19.10	26.60	20.69	21.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40/1.32	16.44	16.48			19.47	26.60	20.79	21.00
5200MHz	Pass	9.40/1.32	16.56	15.83			19.22	26.60	20.54	21.00
5240MHz	Pass	9.40/1.32	16.75	16.51			19.64	26.60	20.96	21.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40/1.32	16.44	16.20			19.33	26.60	20.65	21.00
5230MHz	Pass	9.40/1.32	16.69	16.40			19.56	26.60	20.88	21.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.40/1.32	16.50	15.50			19.04	26.60	20.36	21.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.19/4.33	10.81	10.63	10.21	10.79	16.64	23.81	20.97	21.00
5200MHz	Pass	12.19/4.33	10.78	10.28	9.98	10.57	16.43	23.81	20.76	21.00
5240MHz	Pass	12.19/4.33	10.68	10.37	9.94	10.74	16.46	23.81	20.79	21.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	12.19/4.33	10.74	10.43	10.2	10.66	16.53	23.81	20.86	21.00



Average Power_R5 (Internal Ant.)
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix C.3

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
5230MHz	Pass	12.19/4.33	10.58	10.33	10.16	10.6	16.44	23.81	20.77	21.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19/4.33	10.62	10.61	10.27	10.76	16.59	23.81	20.92	21.00

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



Average Power_R5 (External Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix C.4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	17.20	0.05248	20.91	0.123310
802.11a_Nss1,(6Mbps)_2TX	17.17	0.05212	20.88	0.122462
802.11a_Nss1,(6Mbps)_4TX	17.19	0.05236	20.9	0.123027
802.11be EHT20_Nss1,(MCS0)_1TX	17.27	0.05333	20.98	0.125314
802.11be EHT20_Nss1,(MCS0)_2TX	17.05	0.05070	20.76	0.119124
802.11be EHT20_Nss1,(MCS0)_4TX	17.12	0.05152	20.83	0.121060
802.11be EHT20-BF_Nss1,(MCS0)_2TX	14.05	0.02541	20.77	0.119399
802.11be EHT20-BF_Nss1,(MCS0)_4TX	11.08	0.01282	20.81	0.120504
802.11be EHT40_Nss1,(MCS0)_1TX	17.14	0.05176	20.85	0.121619
802.11be EHT40_Nss1,(MCS0)_2TX	17.15	0.05188	20.86	0.121899
802.11be EHT40_Nss1,(MCS0)_4TX	17.17	0.05212	20.88	0.122462
802.11be EHT40-BF_Nss1,(MCS0)_2TX	14.23	0.02649	20.95	0.124451
802.11be EHT40-BF_Nss1,(MCS0)_4TX	11.25	0.01334	20.98	0.125314
802.11be EHT80_Nss1,(MCS0)_1TX	16.81	0.04797	20.52	0.11272
802.11be EHT80_Nss1,(MCS0)_2TX	16.89	0.04887	20.6	0.114815
802.11be EHT80_Nss1,(MCS0)_4TX	17.10	0.05129	20.81	0.120504
802.11be EHT80-BF_Nss1,(MCS0)_2TX	13.99	0.02506	20.71	0.117761
802.11be EHT80-BF_Nss1,(MCS0)_4TX	11.20	0.01318	20.93	0.12388



Average Power_R5 (External Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix C.4

Result

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	17.06				17.06	28.49	20.77	21.00
5200MHz	Pass	7.51/3.71	17.2				17.20	28.49	20.91	21.00
5240MHz	Pass	7.51/3.71	16.87				16.87	28.49	20.58	21.00
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	17.14				17.14	28.49	20.85	21.00
5200MHz	Pass	7.51/3.71	17.15				17.15	28.49	20.86	21.00
5240MHz	Pass	7.51/3.71	17.27				17.27	28.49	20.98	21.00
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51/3.71	17.05				17.05	28.49	20.76	21.00
5230MHz	Pass	7.51/3.71	17.14				17.14	28.49	20.85	21.00
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51/3.71	16.81				16.81	28.49	20.52	21.00
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	14.58	13.69			17.17	28.49	20.88	21.00
5200MHz	Pass	7.51/3.71	14.06	13.71			16.90	28.49	20.61	21.00
5240MHz	Pass	7.51/3.71	14.08	14.02			17.06	28.49	20.77	21.00
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	14.26	13.8			17.05	28.49	20.76	21.00
5200MHz	Pass	7.51/3.71	13.93	13.92			16.94	28.49	20.65	21.00
5240MHz	Pass	7.51/3.71	13.97	14.05			17.02	28.49	20.73	21.00
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51/3.71	14.22	14.05			17.15	28.49	20.86	21.00
5230MHz	Pass	7.51/3.71	13.67	13.93			16.81	28.49	20.52	21.00
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51/3.71	13.77	13.99			16.89	28.49	20.6	21.00
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	11.31	10.99	11.17	10.87	17.11	28.49	20.82	21.00
5200MHz	Pass	7.51/3.71	11.24	11.07	10.96	11	17.09	28.49	20.8	21.00
5240MHz	Pass	7.51/3.71	11.22	11.09	11.23	11.15	17.19	28.49	20.9	21.00
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51/3.71	11.22	10.92	10.96	10.79	17.00	28.49	20.71	21.00
5200MHz	Pass	7.51/3.71	11.07	11.02	10.81	10.94	16.98	28.49	20.69	21.00
5240MHz	Pass	7.51/3.71	11.1	11.03	11.22	11.04	17.12	28.49	20.83	21.00
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51/3.71	11.35	11.09	11.22	10.93	17.17	28.49	20.88	21.00
5230MHz	Pass	7.51/3.71	10.83	10.84	11.08	10.72	16.89	28.49	20.6	21.00
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51/3.71	11.04	11.11	11.12	11.03	17.10	28.49	20.81	21.00
802.11be EHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22/6.72	11.2	10.86			14.04	26.78	20.76	21.00
5200MHz	Pass	9.22/6.72	11	10.93			13.98	26.78	20.7	21.00
5240MHz	Pass	9.22/6.72	11.02	11.06			14.05	26.78	20.77	21.00
802.11be EHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22/6.72	11.3	11.14			14.23	26.78	20.95	21.00
5230MHz	Pass	9.22/6.72	10.76	10.97			13.88	26.78	20.6	21.00
802.11be EHT80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22/6.72	10.89	11.06			13.99	26.78	20.71	21.00
802.11be EHT20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23/9.73	5.25	5.02	5.06	4.90	11.08	23.77	20.81	21.00
5200MHz	Pass	12.23/9.73	4.98	5.12	4.94	4.93	11.01	23.77	20.74	21.00
5240MHz	Pass	12.23/9.73	4.85	5.08	5.11	4.85	10.99	23.77	20.72	21.00
802.11be EHT40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	12.23/9.73	5.35	5.26	5.28	5.01	11.25	23.77	20.98	21.00



Average Power_R5 (External Ant.)
(Variant Device / FCC ID: UDX-600216020)

Appendix C.4

Mode	Result	DG/Gain [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
5230MHz	Pass	12.23/9.73	5.04	5.18	5.17	5.00	11.12	23.77	20.85	21.00
802.11be EHT80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23/9.73	5.10	5.22	5.30	5.08	11.20	23.77	20.93	21.00

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

**PSD_R1****(For highlighted: Parent Device / FCC ID: UDX-600216010)****(For others: Variant Device / FCC ID: UDX-600216020)****Appendix D.1****Summary**

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.50
802.11ax HEW20_Nss1,(MCS0)_1TX	5.07
802.11ax HEW40_Nss1,(MCS0)_1TX	2.15
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.90

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



PSD_R1

(For highlighted: Parent Device / FCC ID: UDX-600216010)

(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.1

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	5.50	5.50	17.00
5200MHz	Pass	4.90	5.42	5.42	17.00
5240MHz	Pass	4.90	5.46	5.46	17.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
5180MHz	Pass	4.90	4.78	4.78	17.00
5200MHz	Pass	4.90	5.07	5.07	17.00
5240MHz	Pass	4.90	5.07	5.07	17.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
5190MHz	Pass	4.90	0.70	0.70	17.00
5230MHz	Pass	4.90	2.15	2.15	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.



PSD_R1

(For highlighted: Parent Device / FCC ID: UDX-600216010)

(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.1

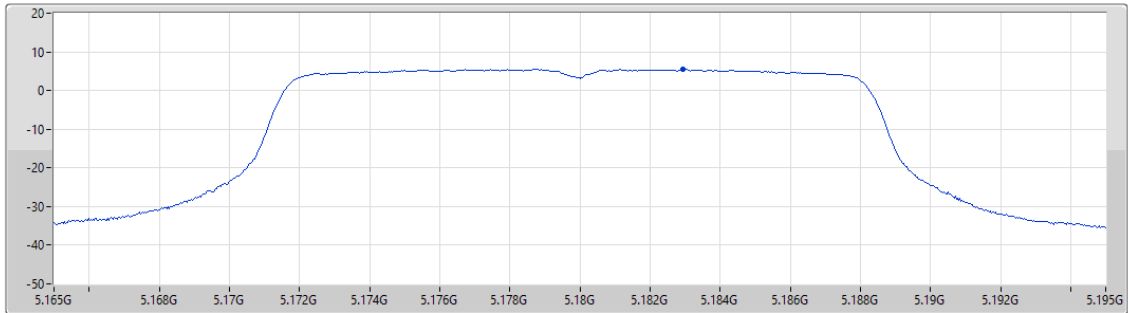
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

12/02/2025

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/Hz)	(dBm/Hz)	(dBm/Hz)
5.50	5.50	5.50

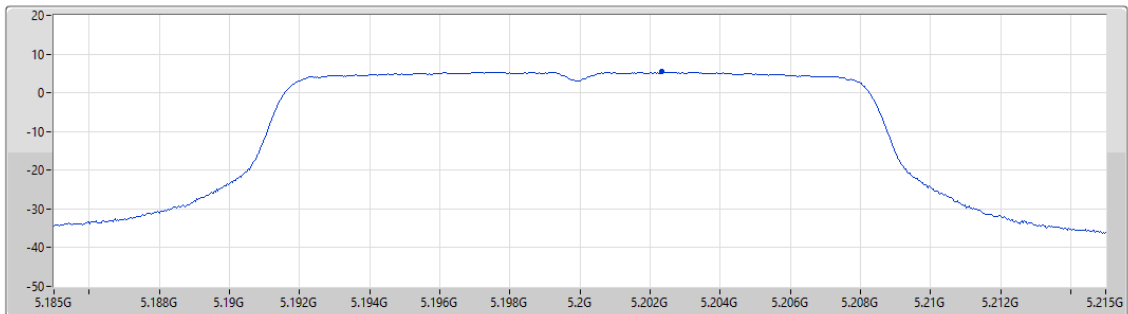
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

12/02/2025

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/Hz)	(dBm/Hz)	(dBm/Hz)
5.42	5.42	5.42

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

12/02/2025

CF (Hz)
5.24G

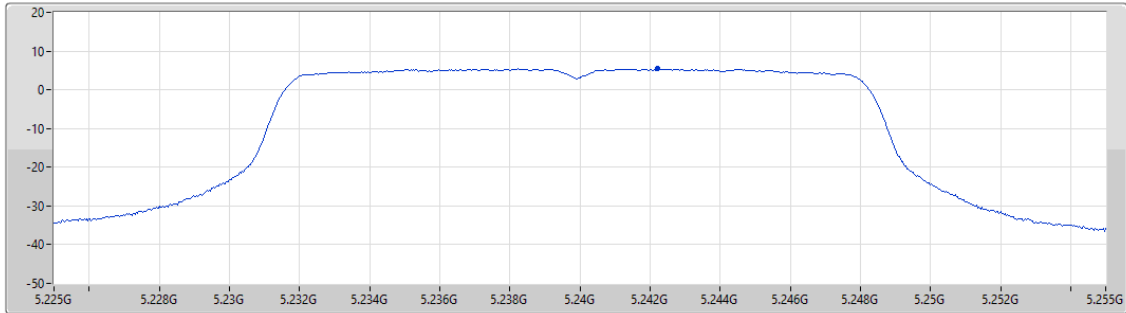
Span (Hz)
30M

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)
5.46	5.46	5.46

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

21/12/2024

CF (Hz)
5.18G

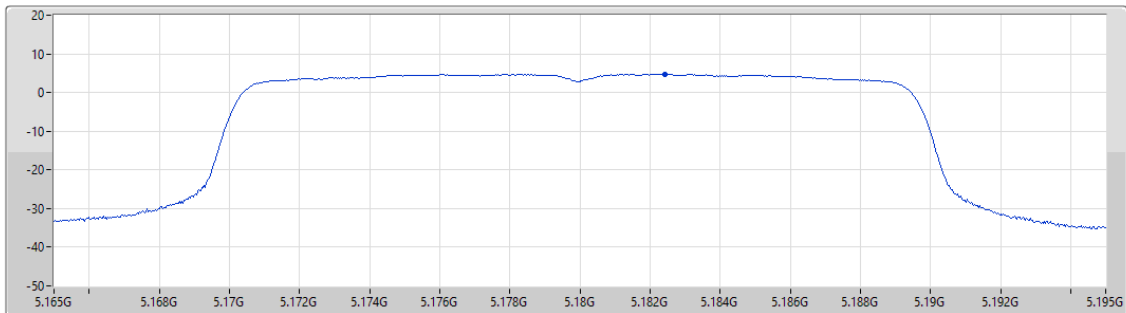
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS

Port 1 

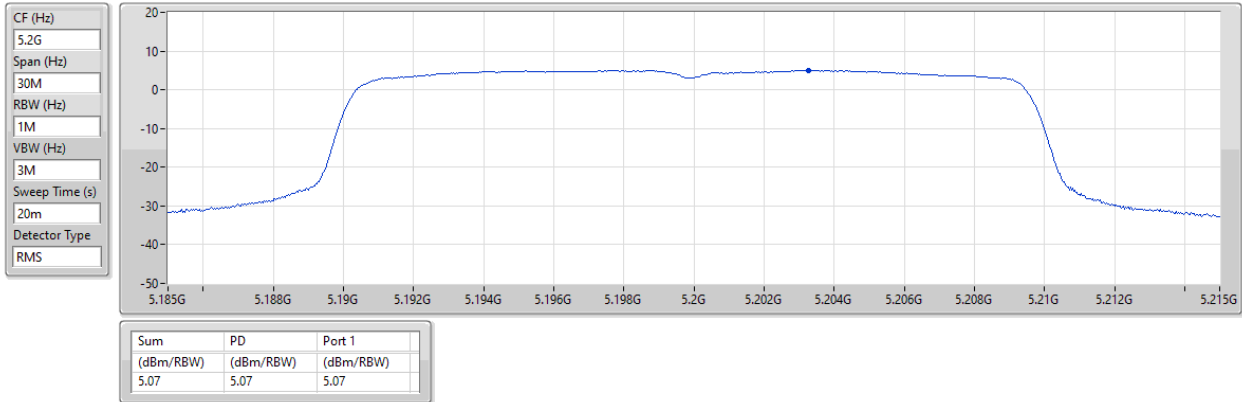
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.78	4.78	4.78

5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5200MHz

12/02/2025

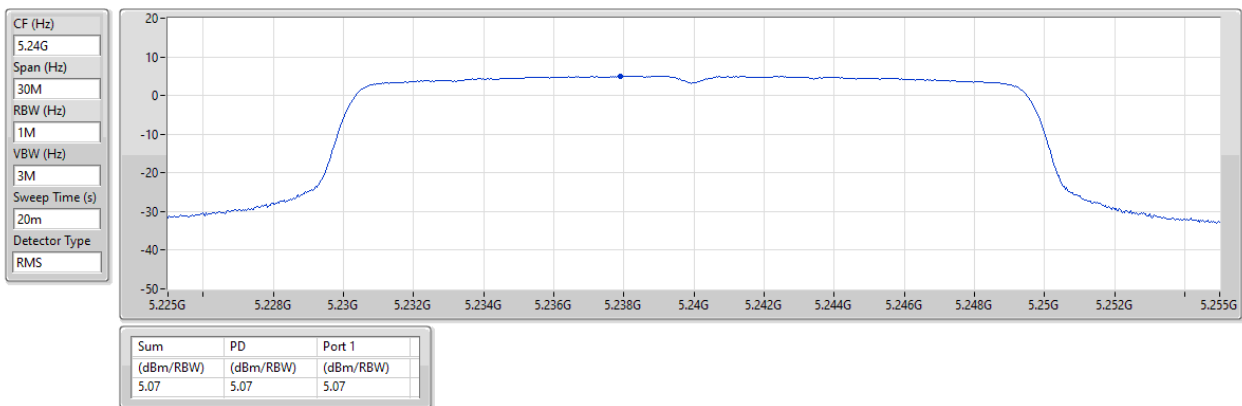


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

PSD

5240MHz

12/02/2025

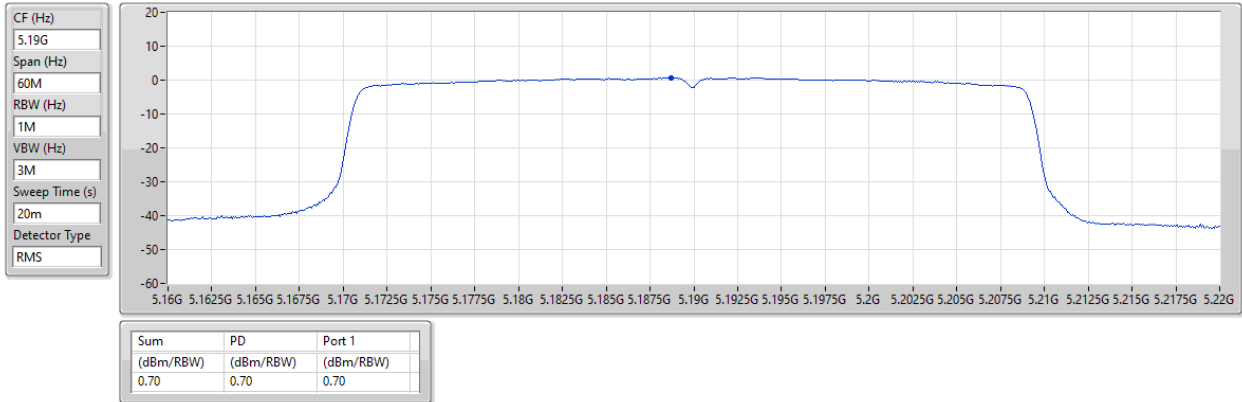


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5190MHz

21/12/2024

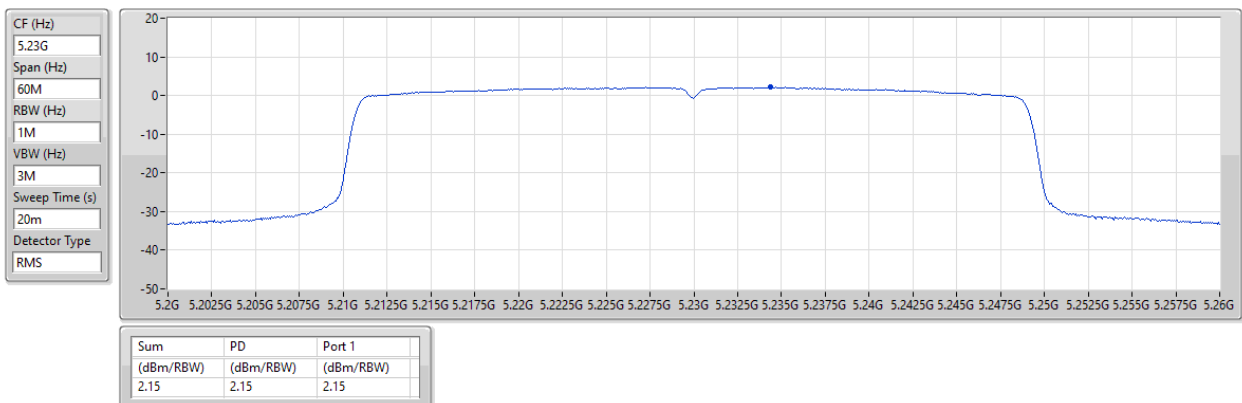


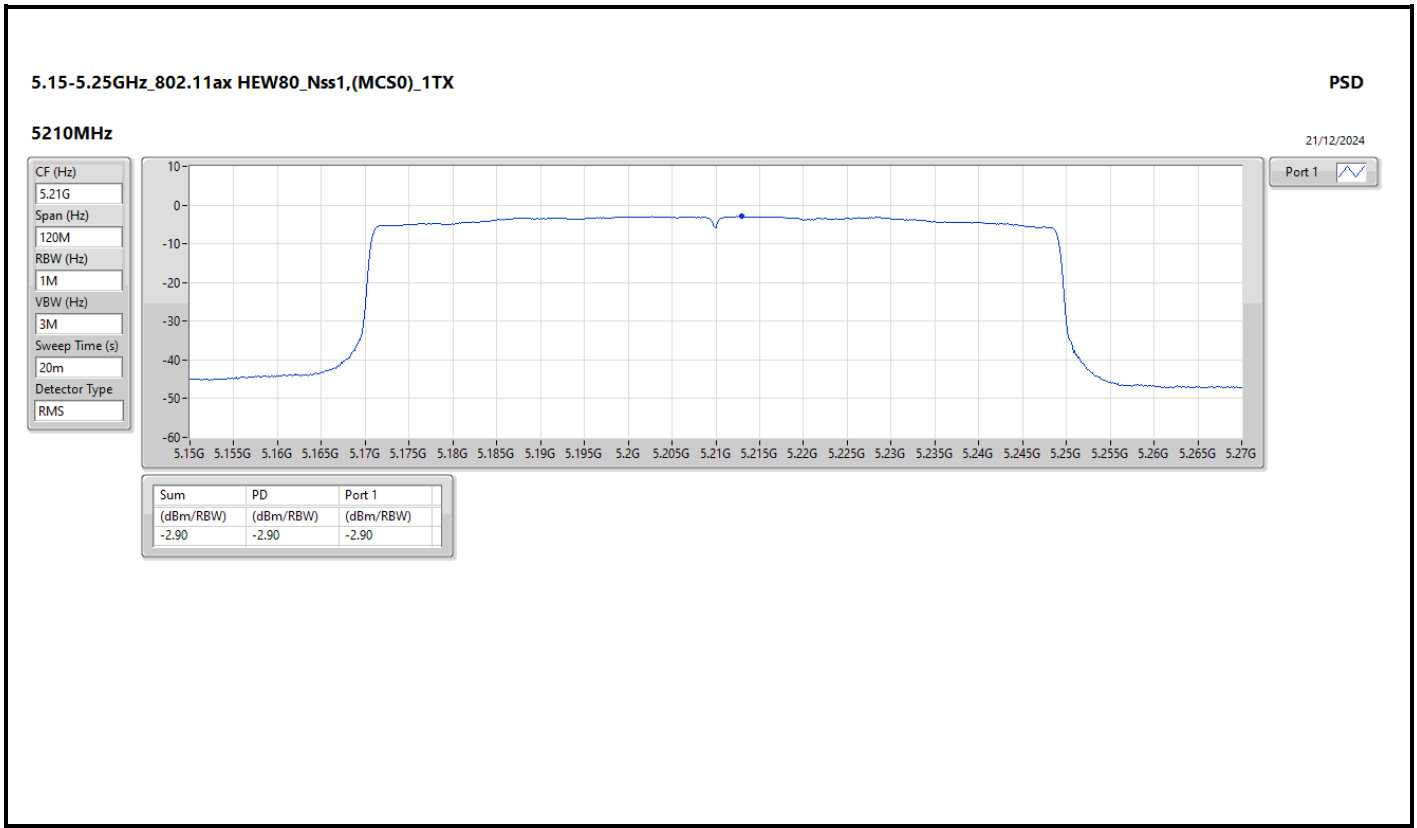
5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

PSD

5230MHz

12/02/2025







Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	5.36
802.11a_Nss1,(6Mbps)_2TX	5.51
802.11a_Nss1,(6Mbps)_4TX	5.34
802.11be EHT20_Nss1,(MCS0)_1TX	4.84
802.11be EHT20_Nss1,(MCS0)_2TX	4.66
802.11be EHT20_Nss1,(MCS0)_4TX	4.66
802.11be EHT40_Nss1,(MCS0)_1TX	1.83
802.11be EHT40_Nss1,(MCS0)_2TX	1.71
802.11be EHT40_Nss1,(MCS0)_4TX	1.72
802.11be EHT80_Nss1,(MCS0)_1TX	-1.38
802.11be EHT80_Nss1,(MCS0)_2TX	-1.37
802.11be EHT80_Nss1,(MCS0)_4TX	-1.59

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



PSD_R3_Full RU
(Variant Device / FCC ID: UDX-600216020)

Appendix D.2

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	5.2				5.20	12.60
5200MHz	Pass	10.40	5.32				5.32	12.60
5240MHz	Pass	10.40	5.36				5.36	12.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	4.7				4.70	12.60
5200MHz	Pass	10.40	4.8				4.80	12.60
5240MHz	Pass	10.40	4.84				4.84	12.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	1.69				1.69	12.60
5230MHz	Pass	10.40	1.83				1.83	12.60
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-1.38				-1.38	12.60
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	2.75	2.34			5.51	12.60
5200MHz	Pass	10.40	2.26	2.11			5.17	12.60
5240MHz	Pass	10.40	2.68	2.07			5.35	12.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	10.40	1.68	1.41			4.49	12.60
5200MHz	Pass	10.40	1.78	1.59			4.66	12.60
5240MHz	Pass	10.40	1.69	1.3			4.48	12.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	10.40	-1.37	-1.59			1.51	12.60
5230MHz	Pass	10.40	-1.01	-1.54			1.71	12.60
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-4.1	-4.53			-1.37	12.60
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02	-0.67	-0.94	-1.07	-0.69	5.09	9.98
5200MHz	Pass	13.02	-0.66	-0.54	-1.05	-0.33	5.34	9.98
5240MHz	Pass	13.02	-0.9	-1.16	-1.26	-0.86	4.92	9.98
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	13.02	-1.1	-1.32	-1.49	-1.08	4.66	9.98
5200MHz	Pass	13.02	-1.57	-1.55	-2.06	-1.26	4.38	9.98
5240MHz	Pass	13.02	-1.39	-1.63	-1.64	-1.28	4.47	9.98
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	13.02	-4.29	-4.3	-4.53	-3.74	1.72	9.98
5230MHz	Pass	13.02	-4.34	-4.87	-4.41	-4.19	1.51	9.98
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	13.02	-7.59	-7.88	-7.79	-7.13	-1.59	9.98

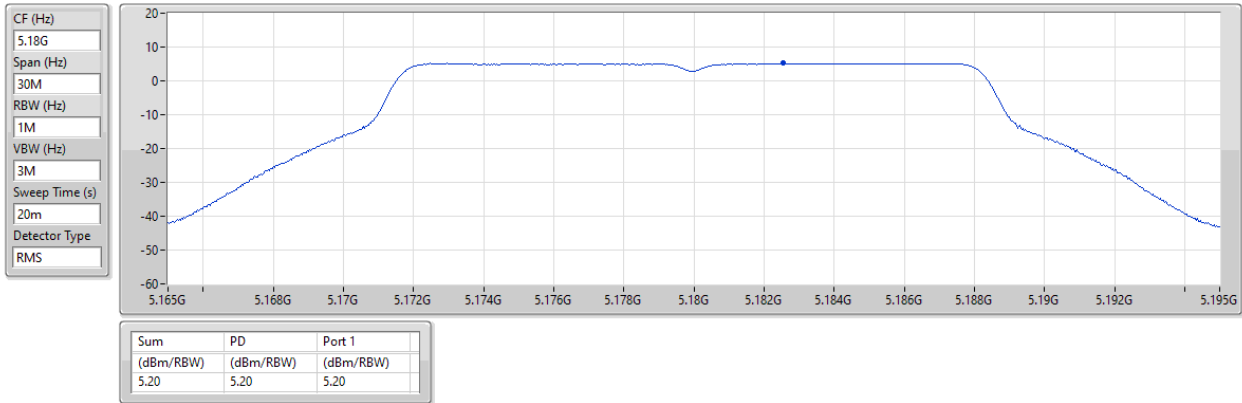
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5180MHz

12/02/2025

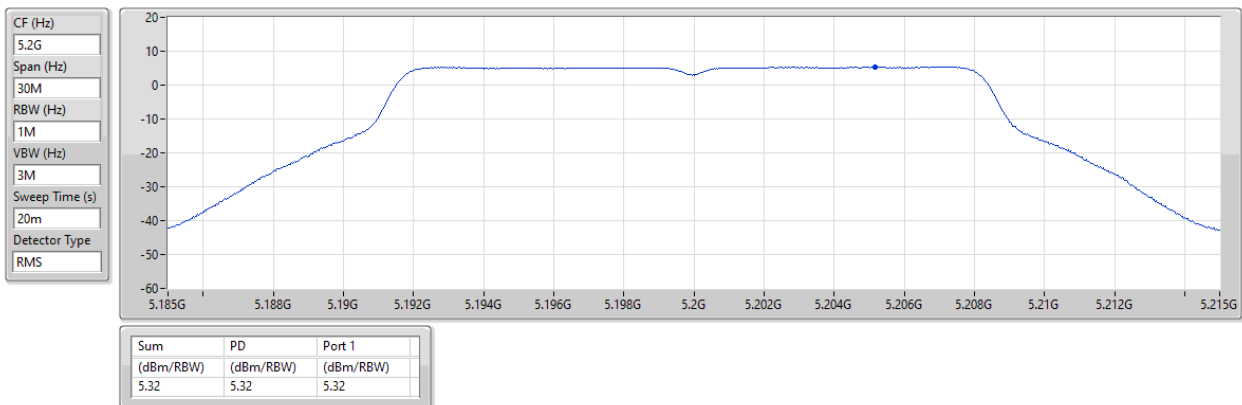


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

12/02/2025

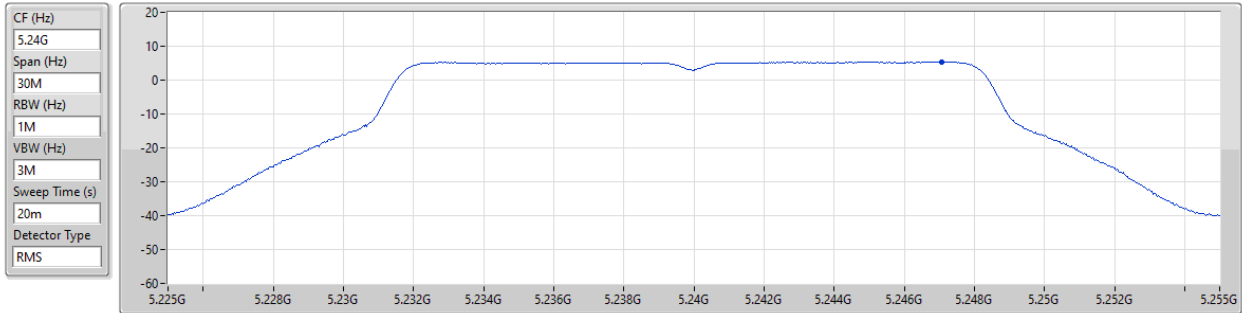


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5240MHz

12/02/2025



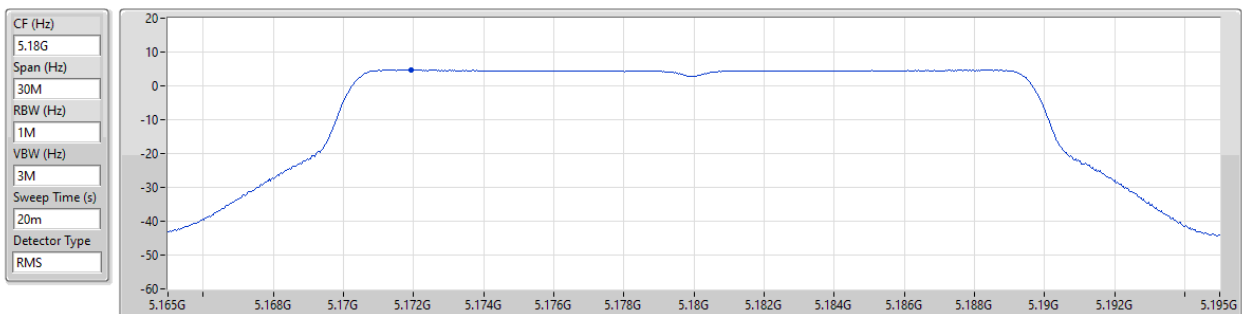
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.36	5.36	5.36

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

PSD

5180MHz

12/02/2025



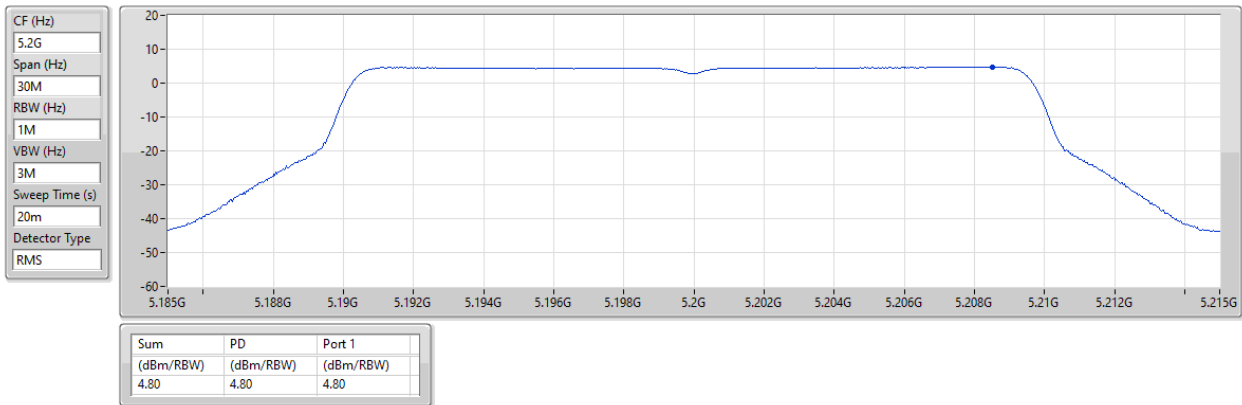
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.70	4.70	4.70

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

PSD

5200MHz

12/02/2025

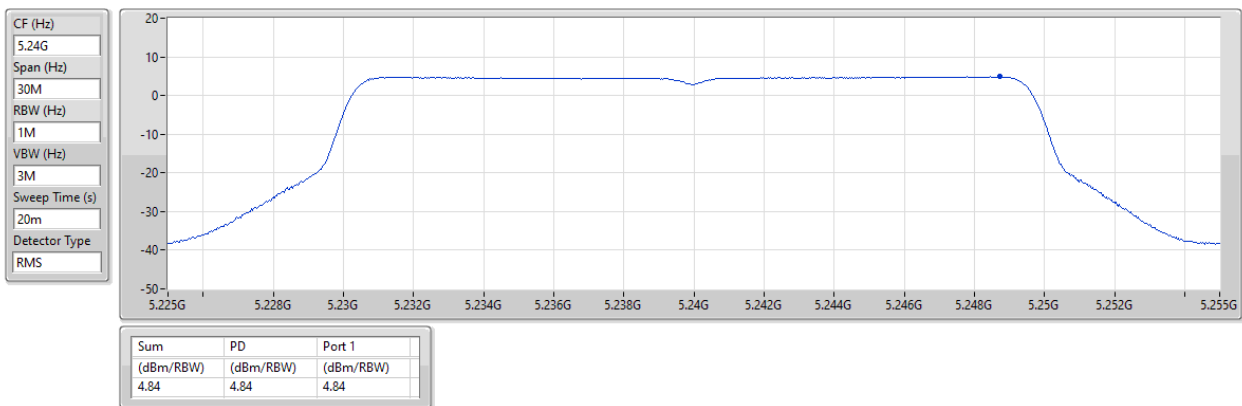


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

12/02/2025

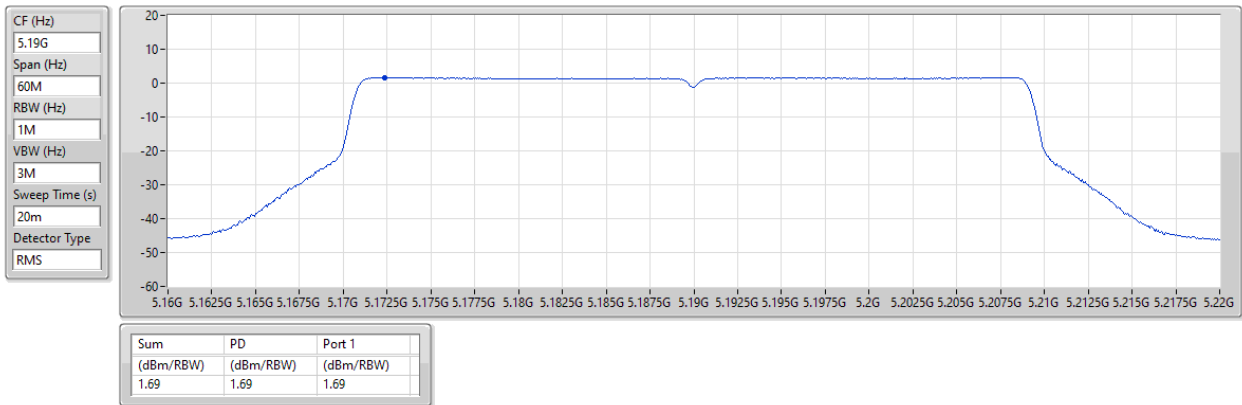


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

12/02/2025

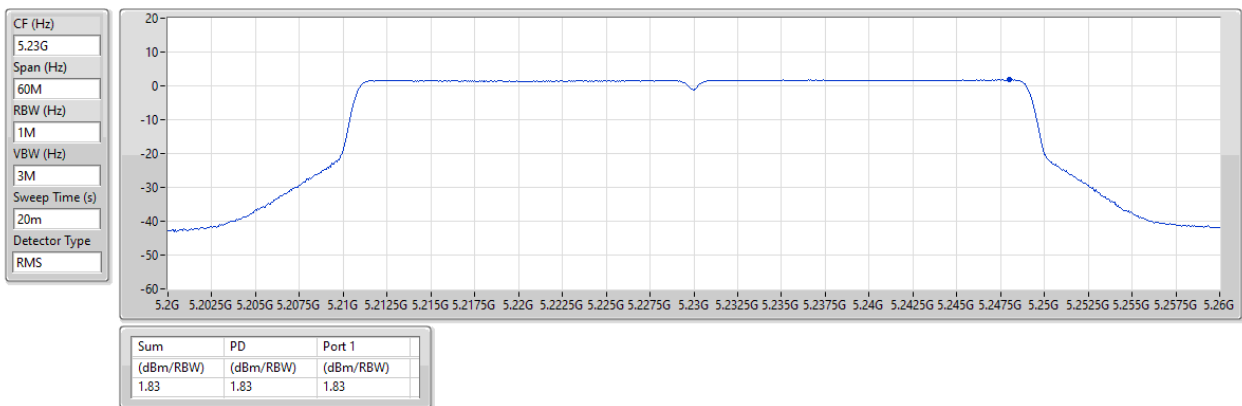


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5230MHz

12/02/2025

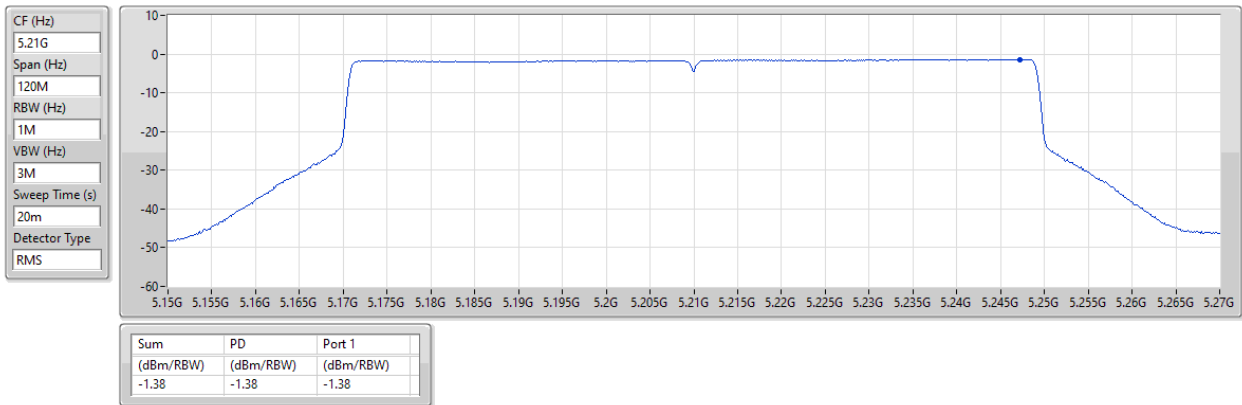


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX

PSD

5210MHz

12/02/2025

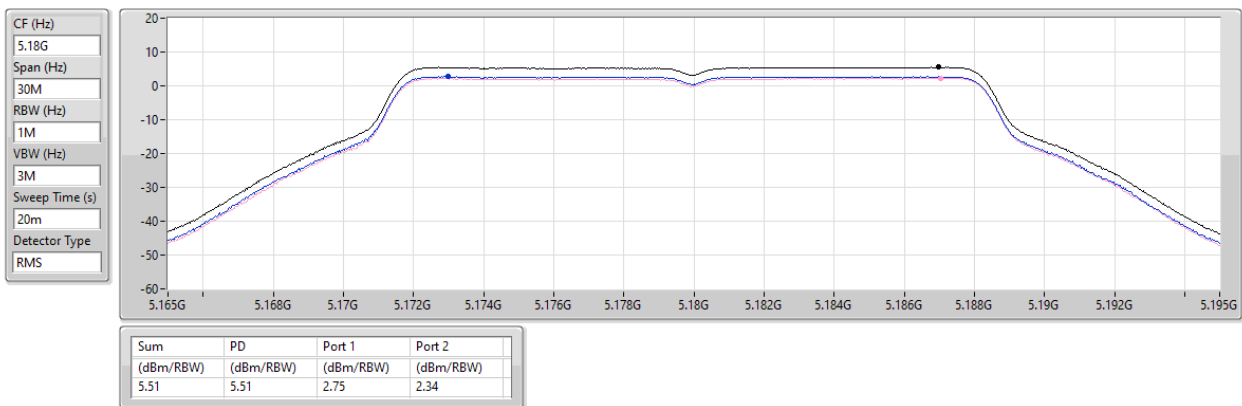


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

12/02/2025

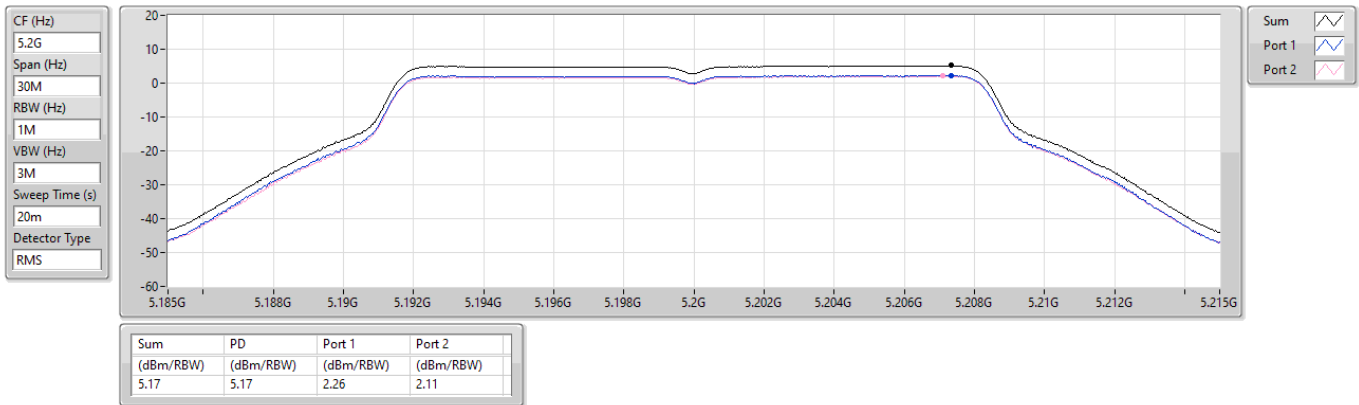


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5200MHz

12/02/2025

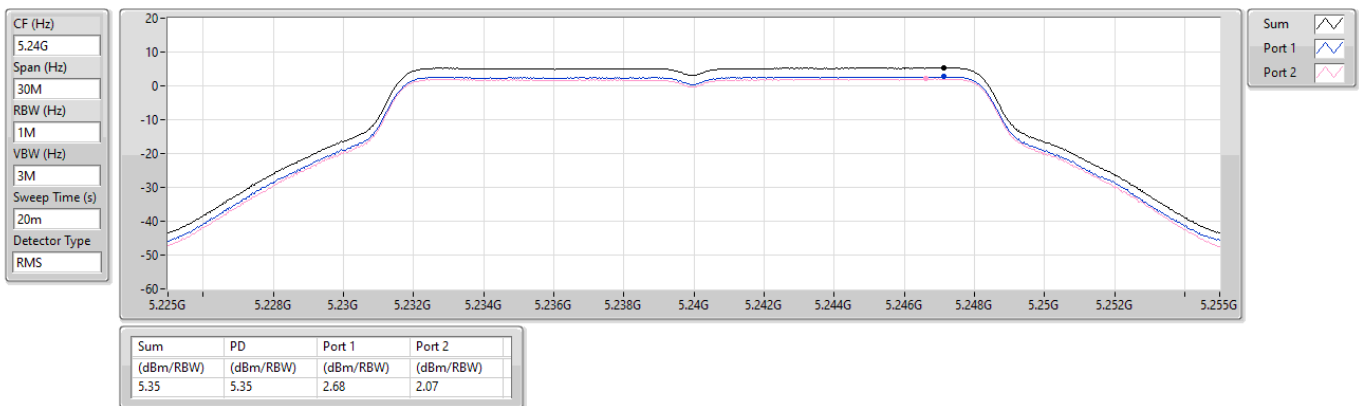


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

12/02/2025

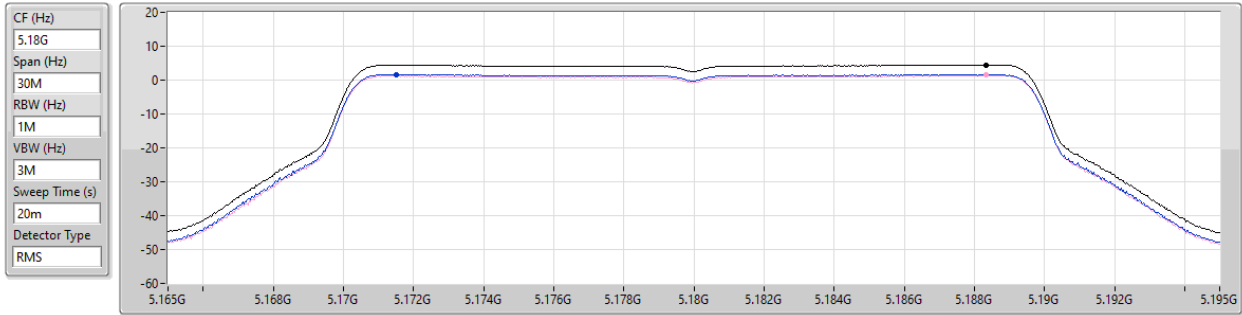


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

12/02/2025



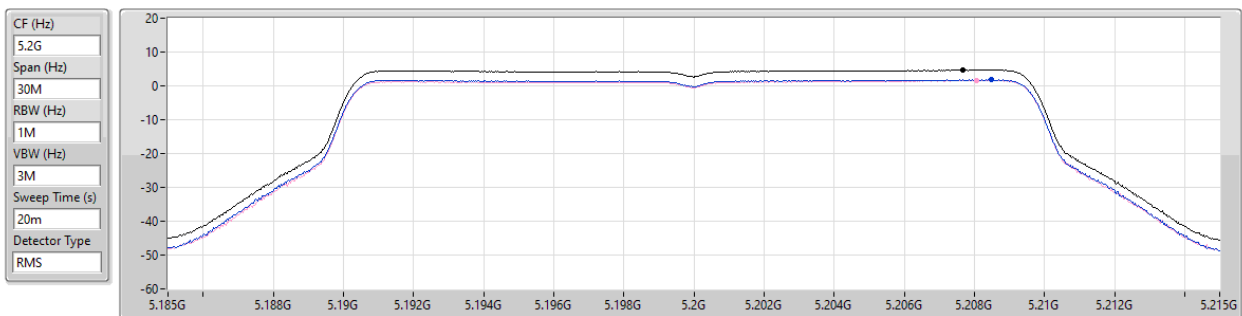
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.49	4.49	1.68	1.41

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

PSD

5200MHz

12/02/2025



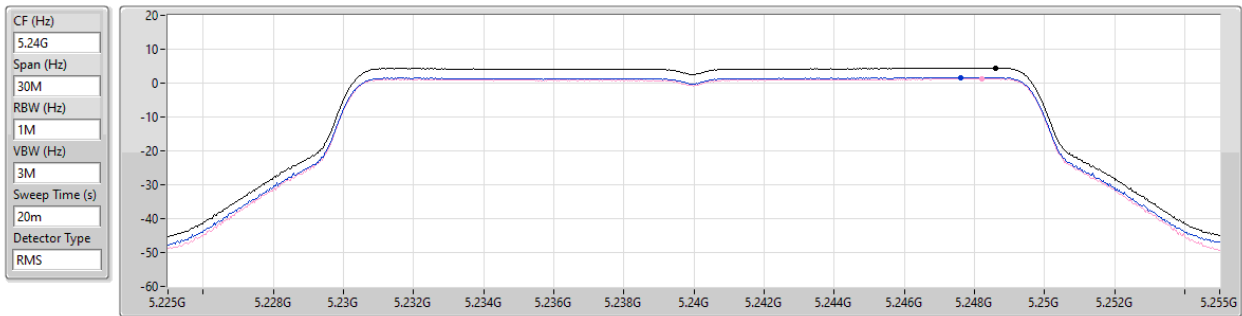
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.66	4.66	1.78	1.59

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

PSD

5240MHz

12/02/2025



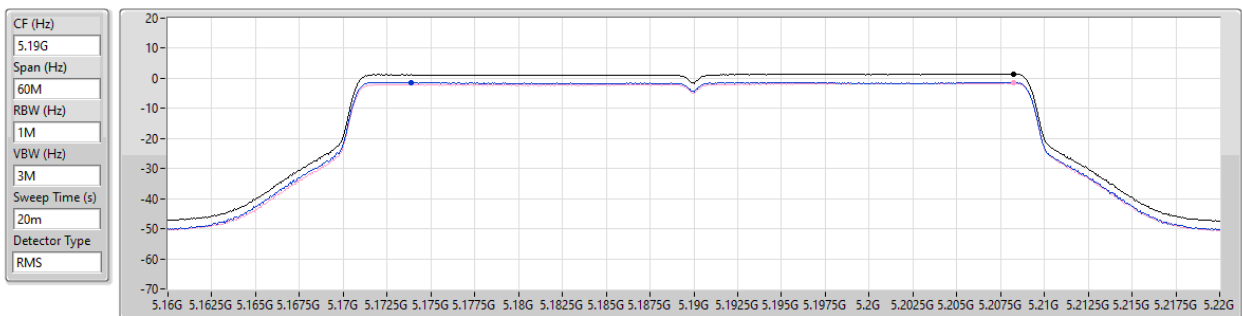
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.48	4.48	1.69	1.30

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

PSD

5190MHz

12/02/2025



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.51	1.51	-1.37	-1.59

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

PSD

5230MHz

12/02/2025

CF (Hz)
5.23G

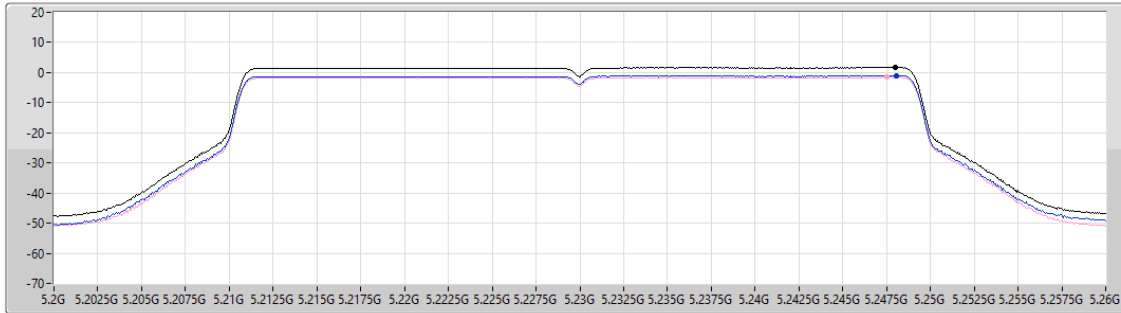
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.71	1.71	-1.01	-1.54

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

PSD

5210MHz

12/02/2025

CF (Hz)
5.21G

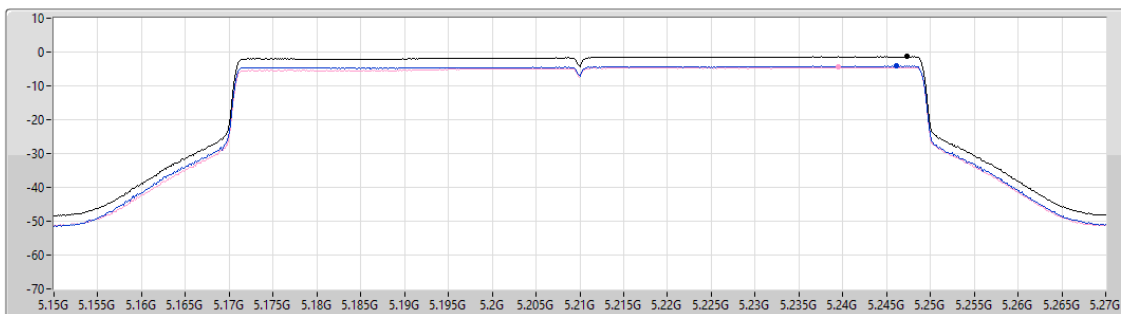
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☒

Port 1 ☒

Port 2 ☒

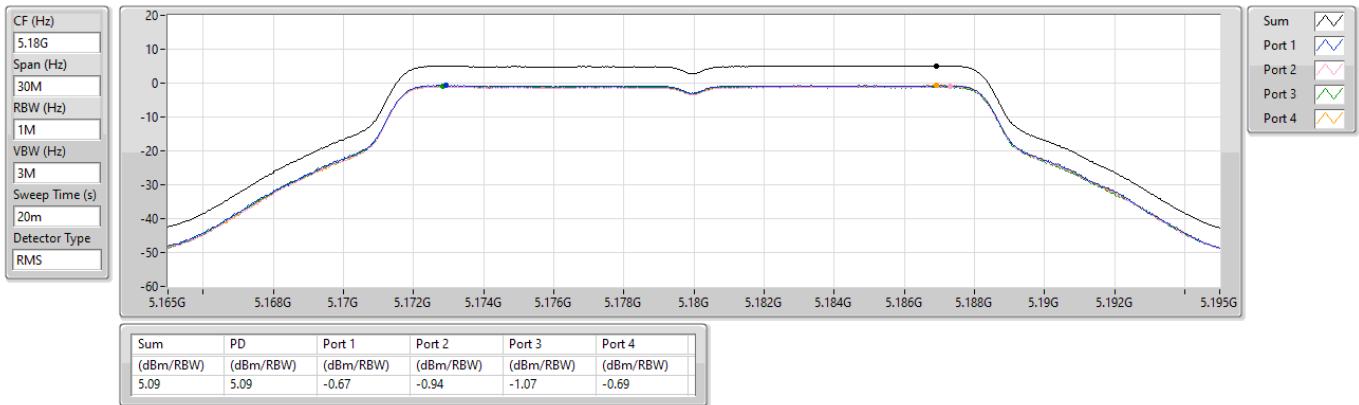
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.37	-1.37	-4.10	-4.53

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

PSD

5180MHz

12/02/2025

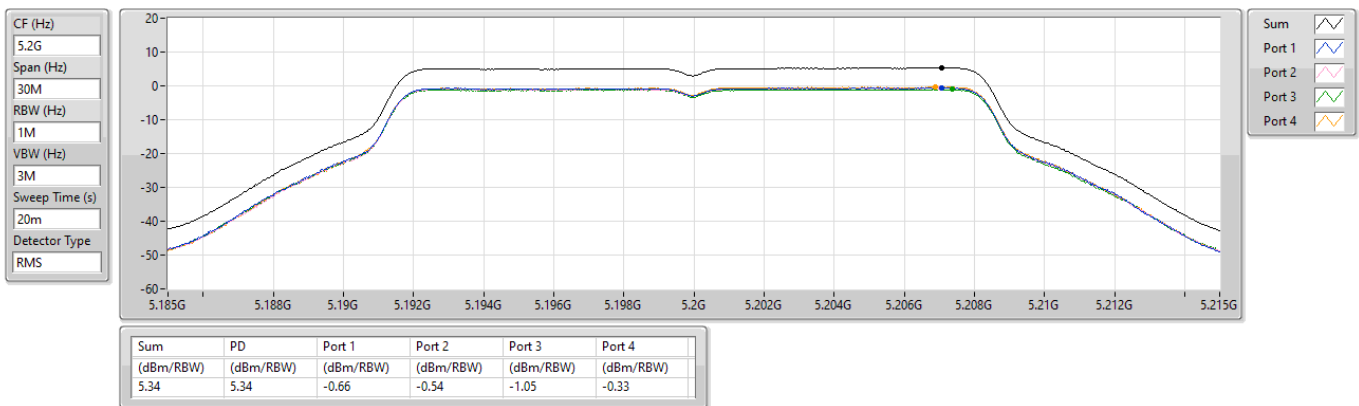


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

12/02/2025

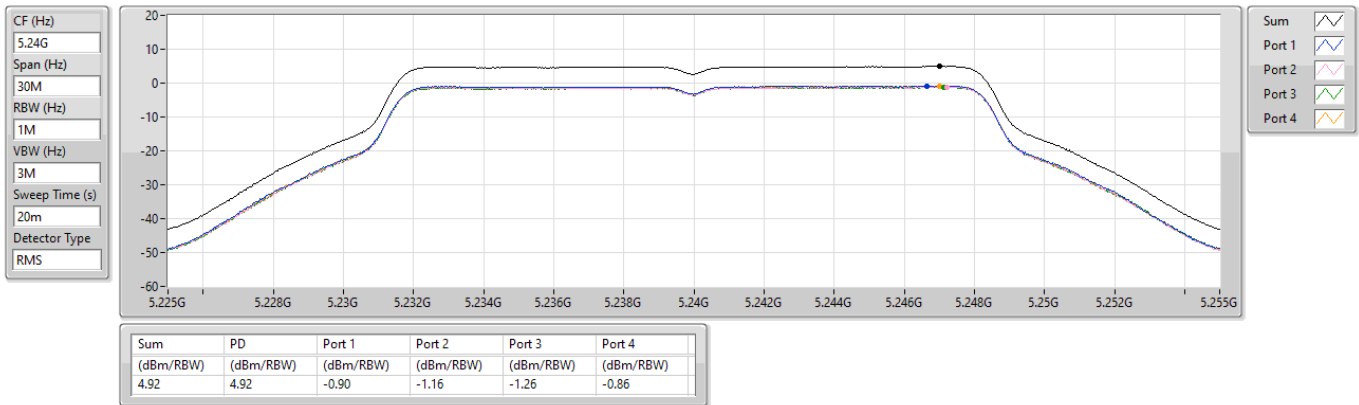


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

12/02/2025

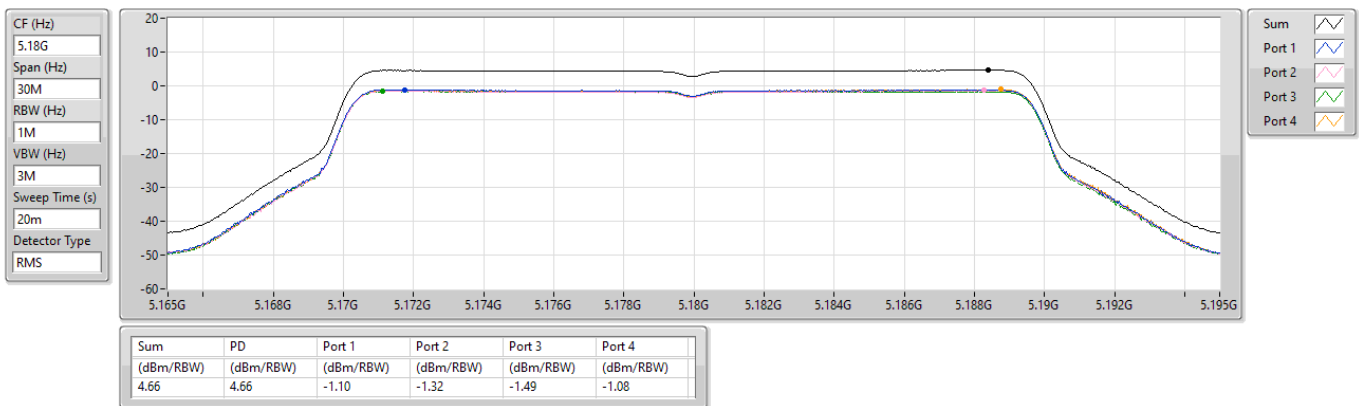


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5180MHz

12/02/2025

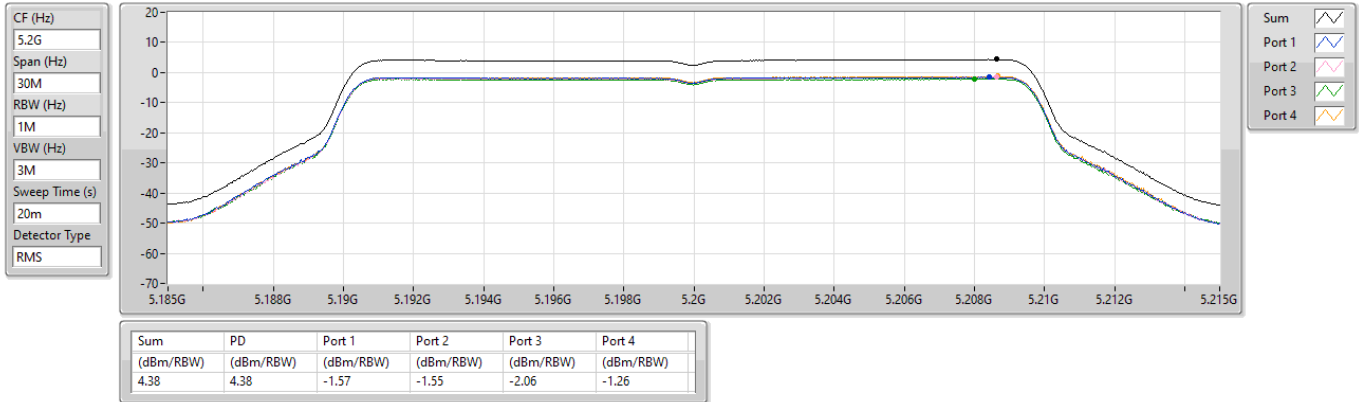


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5200MHz

12/02/2025

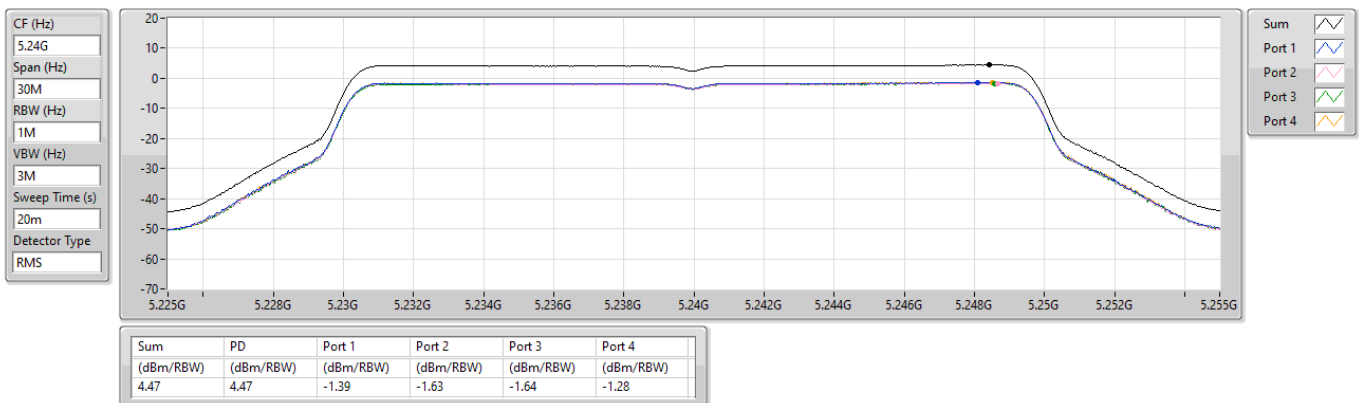


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

12/02/2025

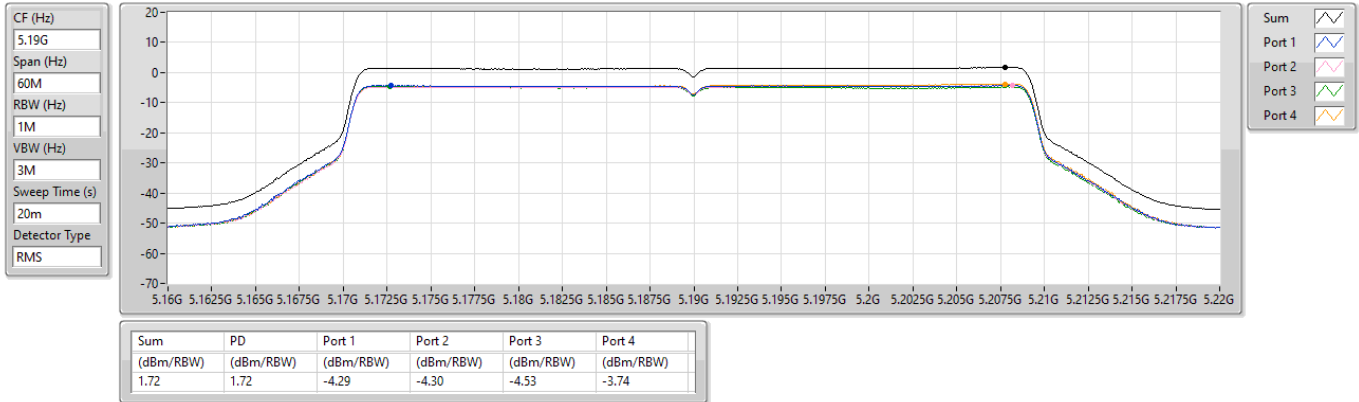


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

12/02/2025

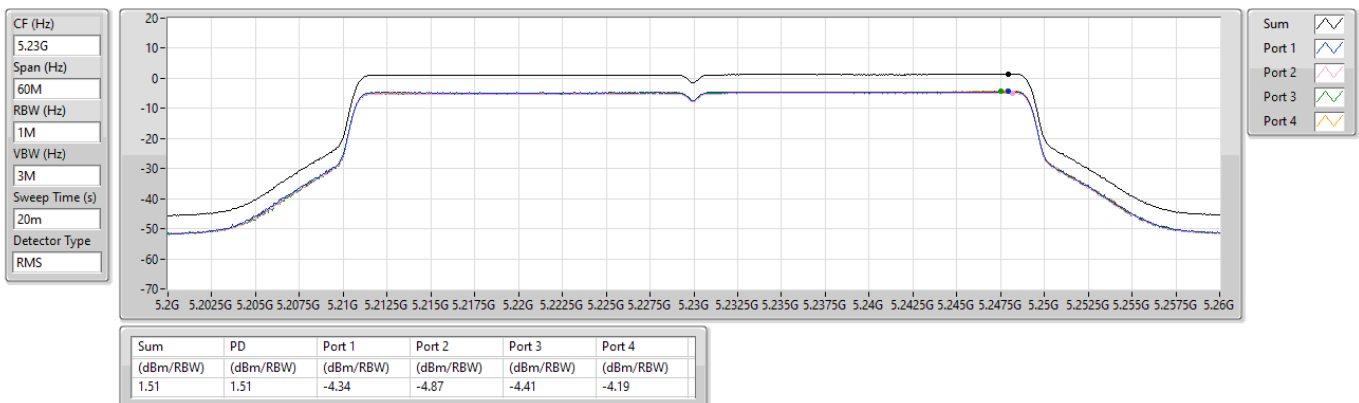


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

12/02/2025

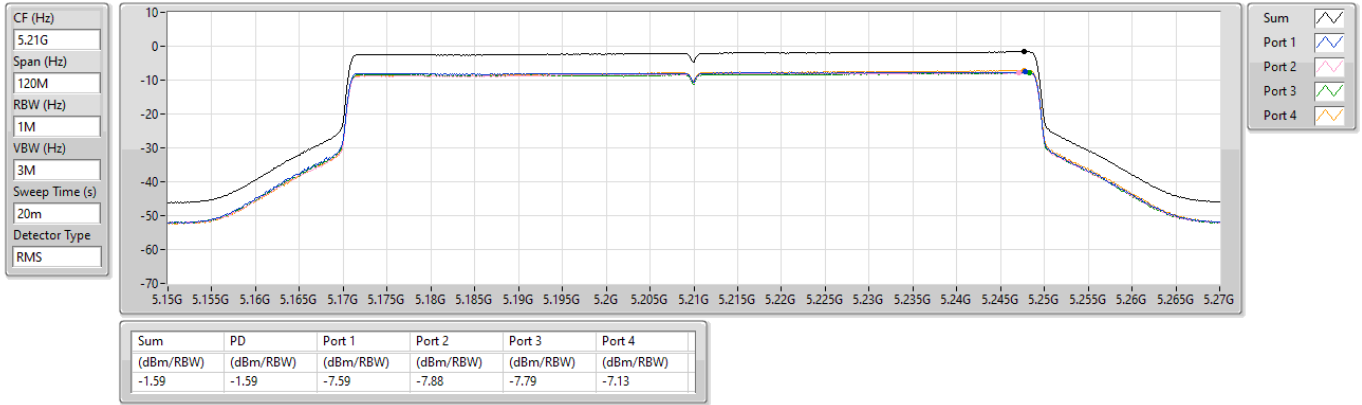


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

12/02/2025





PSD_R3_Multi-RU
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.3

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX	-1.66
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX	-1.48
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_4TX	-4.07

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



PSD_R3_Multi-RU

(For highlighted: Parent Device / FCC ID: UDX-600216010)

(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.3

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	-4.17	-4.72			-1.48	12.60
802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	10.40	-4.08	-4.80			-1.48	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.

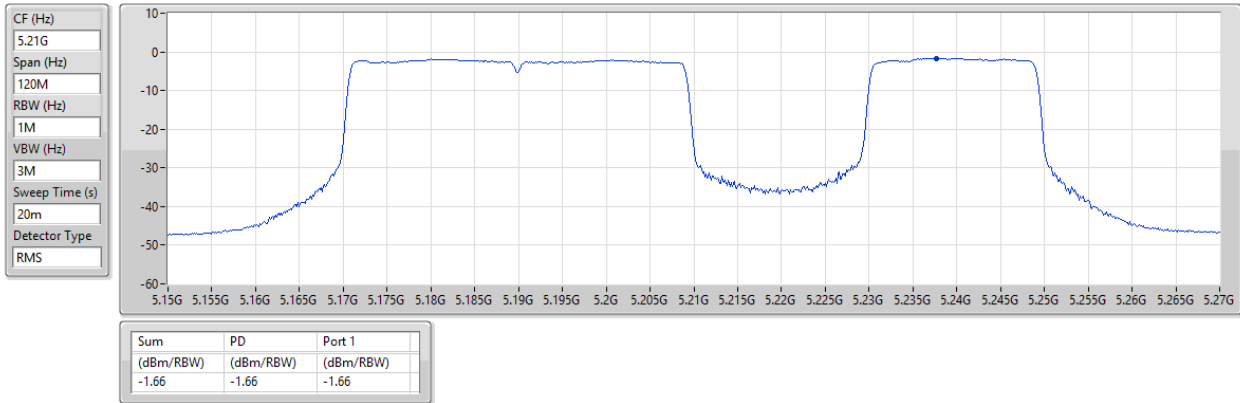


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_1TX

PSD

5210MHz

06/02/2025

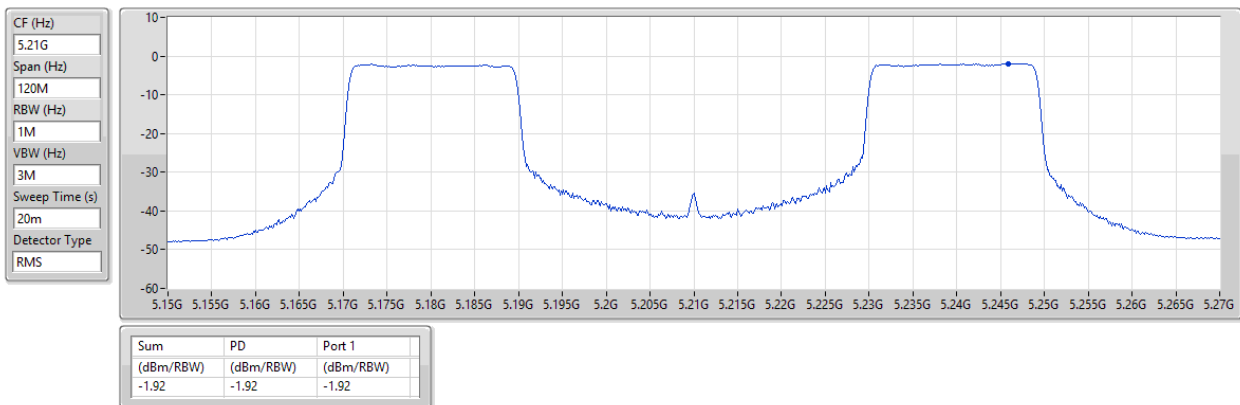


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_1TX

PSD

5210MHz

06/02/2025

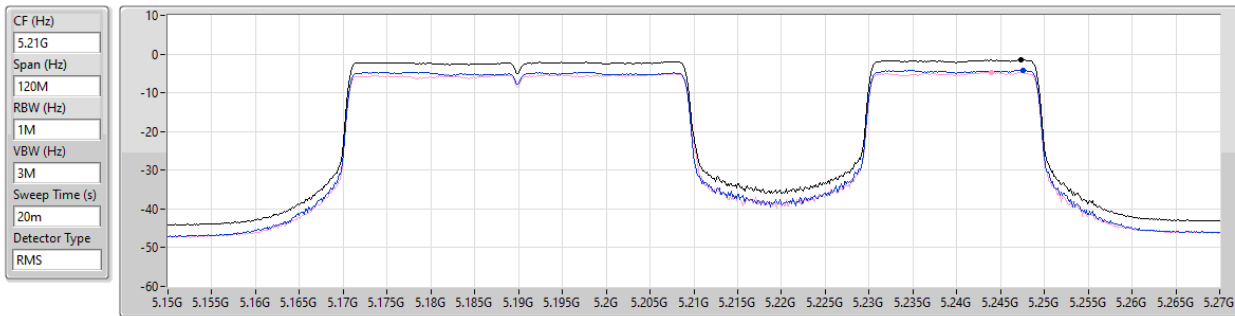


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX

PSD

5210MHz

08/04/2025



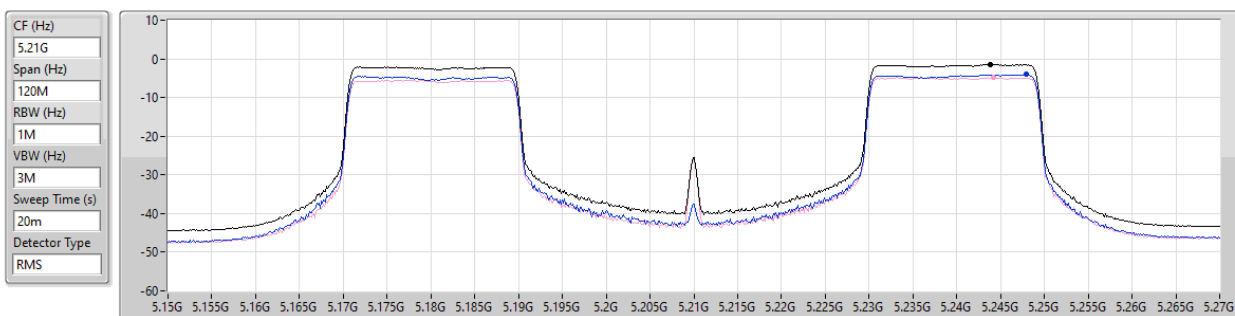
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.48	-1.48	-4.17	-4.72

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

PSD

5210MHz

08/04/2025



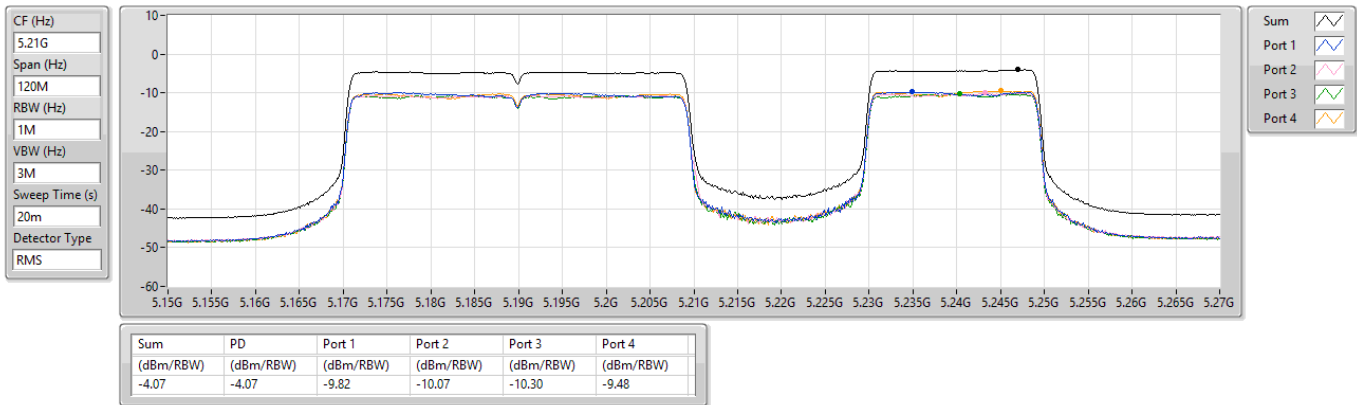
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-1.48	-1.48	-4.08	-4.80

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

PSD

5210MHz

07/02/2025

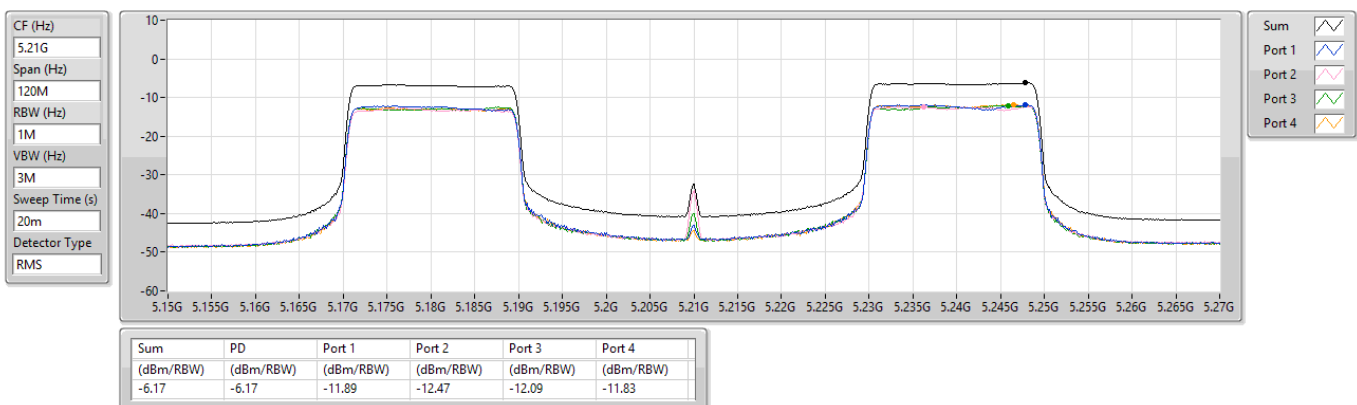


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5210MHz

07/02/2025





PSD_R3_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.4

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;



PSD_R3_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.4

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

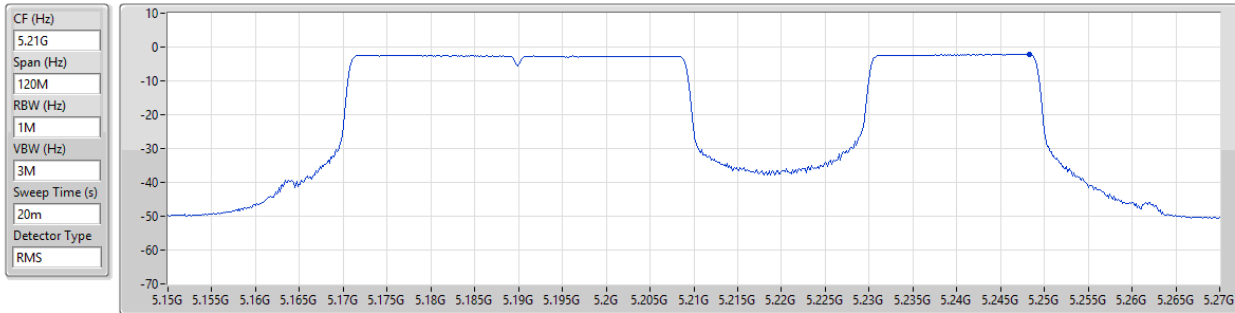
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5210MHz

12/02/2025



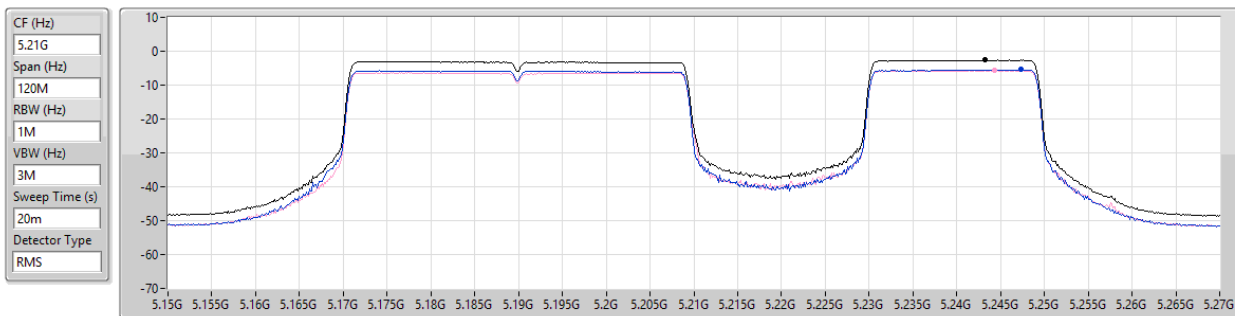
Sum	PD	Port 1
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.17	-2.17	-2.17

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

PSD

5210MHz

12/02/2025



Sum	PD	Port 1	Port 2
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-2.63	-2.63	-5.46	-5.74

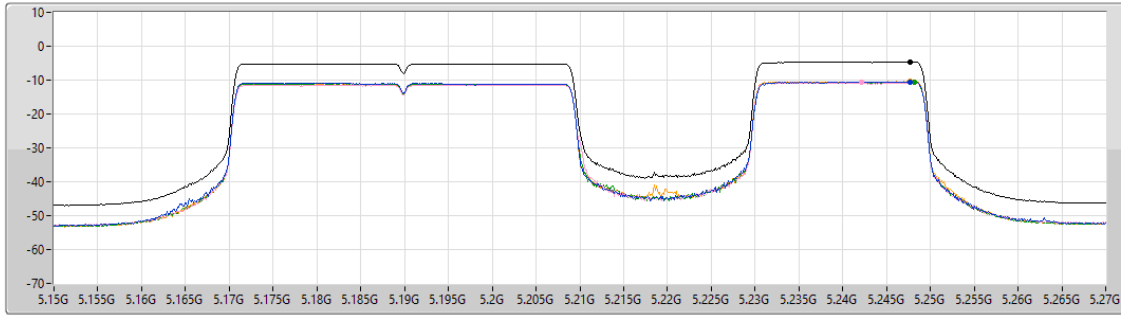
5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_4TX

PSD

5210MHz

12/02/2025

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)
-4.62	-4.62	-10.60	-10.77	-10.75	-10.40



PSD_R5 (Internal Ant.)_Full RU
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.5

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_1TX	6.58
802.11a_Nss1,(6Mbps)_2TX	6.59
802.11a_Nss1,(6Mbps)_4TX	6.25
802.11be EHT20_Nss1,(MCS0)_1TX	6.06
802.11be EHT20_Nss1,(MCS0)_2TX	5.83
802.11be EHT20_Nss1,(MCS0)_4TX	5.84
802.11be EHT40_Nss1,(MCS0)_1TX	2.84
802.11be EHT40_Nss1,(MCS0)_2TX	2.99
802.11be EHT40_Nss1,(MCS0)_4TX	2.69
802.11be EHT80_Nss1,(MCS0)_1TX	-2.12
802.11be EHT80_Nss1,(MCS0)_2TX	-0.37
802.11be EHT80_Nss1,(MCS0)_4TX	0.01

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



PSD_R5 (Internal Ant.)_Full RU
(For highlighted: Parent Device / FCC ID: UDX-600216010)
(For others: Variant Device / FCC ID: UDX-600216020)

Appendix D.5

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	6.38				6.38	13.60
5200MHz	Pass	9.40	6.58				6.58	13.60
5240MHz	Pass	9.40	6.08				6.08	13.60
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	5.83				5.83	13.60
5200MHz	Pass	9.40	6.06				6.06	13.60
5240MHz	Pass	9.40	5.64				5.64	13.60
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	1.46				1.46	13.60
5230MHz	Pass	9.40	2.84				2.84	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	3.12	3.28			6.15	13.60
5200MHz	Pass	9.40	3.87	3.28			6.59	13.60
5240MHz	Pass	9.40	3.49	3.15			6.30	13.60
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	9.40	2.58	2.89			5.67	13.60
5200MHz	Pass	9.40	2.91	2.5			5.70	13.60
5240MHz	Pass	9.40	2.94	2.77			5.83	13.60
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	9.40	-0.24	-0.17			2.76	13.60
5230MHz	Pass	9.40	0.34	-0.37			2.99	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	0.35	0.4	-0.23	0.22	6.12	10.81
5200MHz	Pass	12.19	0.69	0.09	-0.17	0.31	6.25	10.81
5240MHz	Pass	12.19	0.11	-0.13	-0.46	0.32	5.95	10.81
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	12.19	-0.04	-0.08	-0.72	-0.26	5.68	10.81
5200MHz	Pass	12.19	0.27	-0.25	-0.6	0	5.84	10.81
5240MHz	Pass	12.19	-0.38	-0.49	-0.88	-0.23	5.47	10.81
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	12.19	-3.01	-3.7	-2.96	-3.5	2.69	10.81
5230MHz	Pass	12.19	-3.05	-3.59	-3.59	-3.37	2.56	10.81
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	12.19	-5.94	-5.72	-6.41	-5.79	0.01	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.



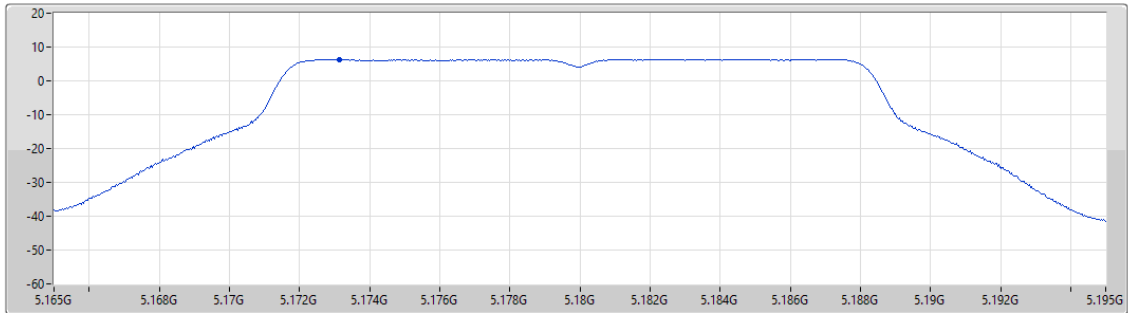
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5180MHz

11/02/2025

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)
6.38	6.38	6.38

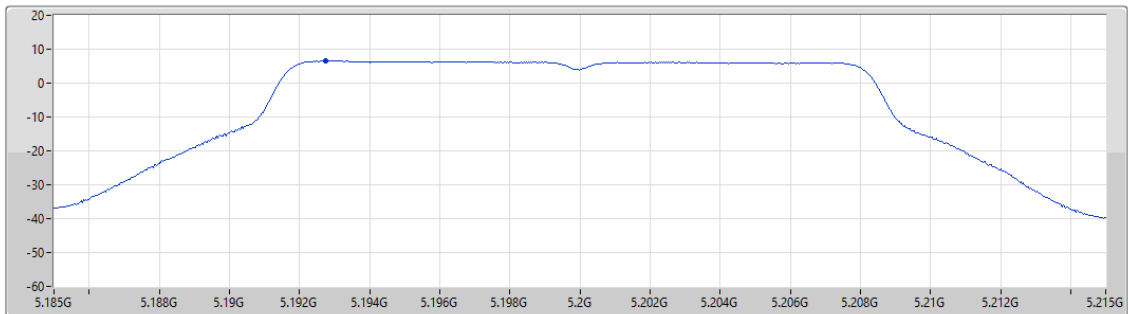
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

PSD

5200MHz

11/02/2025

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



Port 1

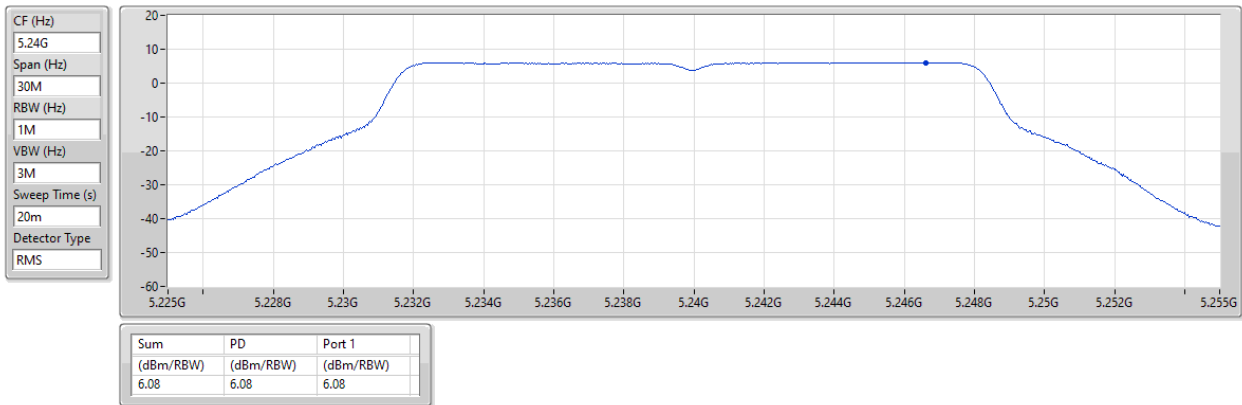
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.58	6.58	6.58

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

PSD

5240MHz

11/02/2025

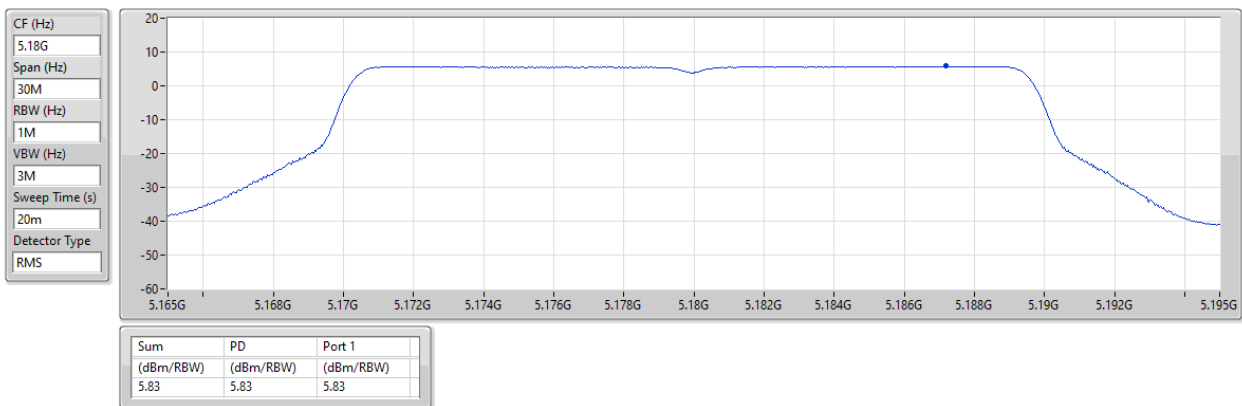


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5180MHz

11/02/2025

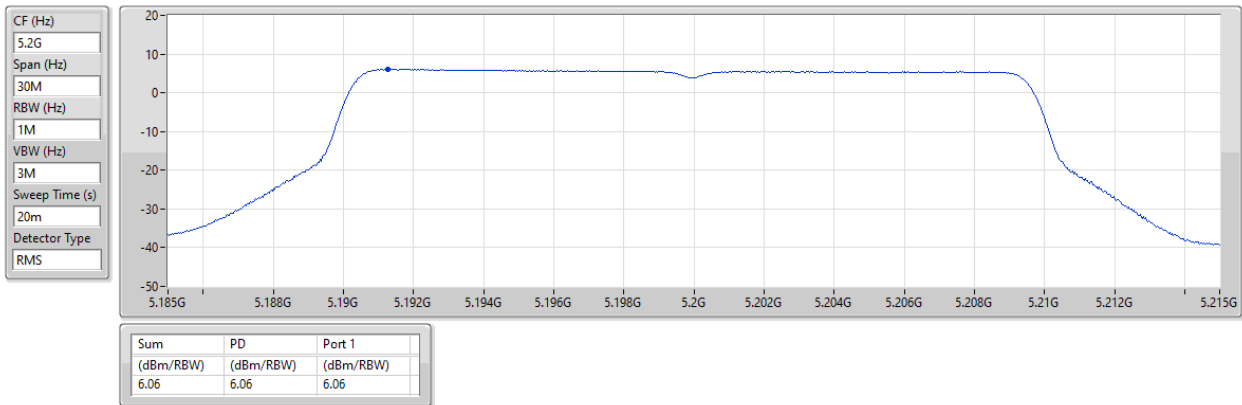


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5200MHz

11/02/2025

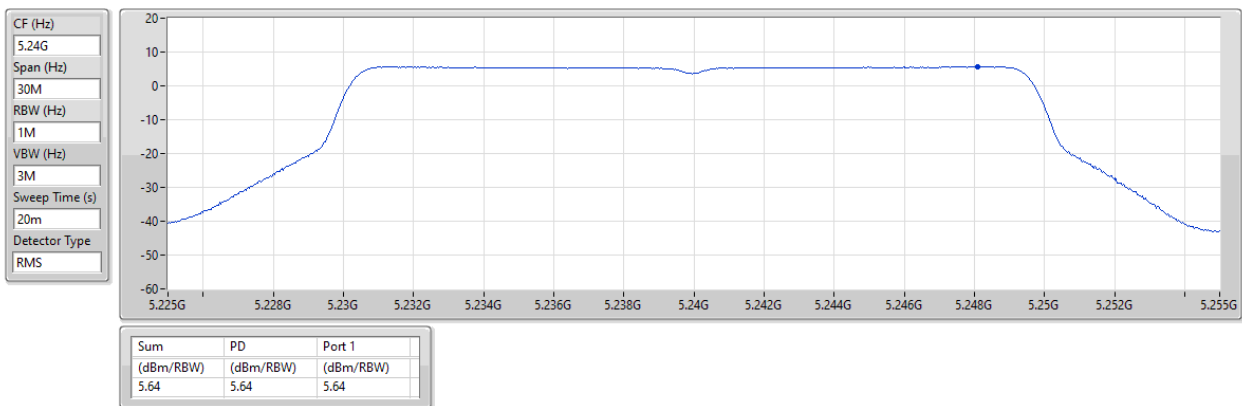


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

11/02/2025

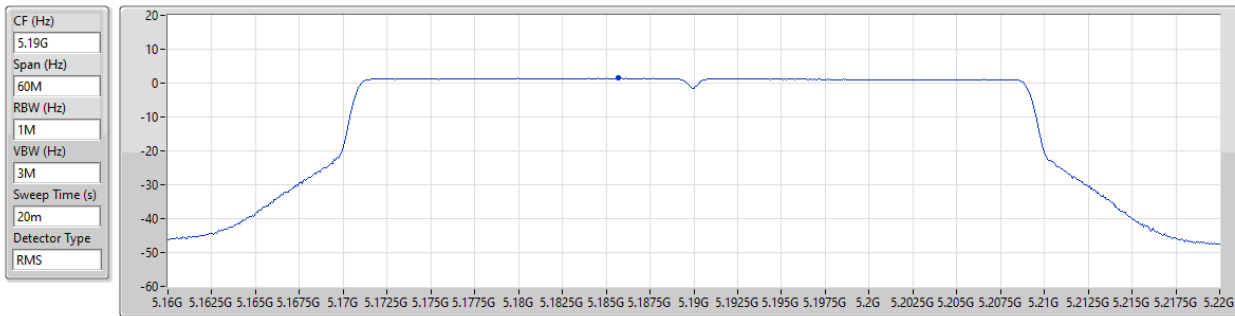


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

30/12/2024



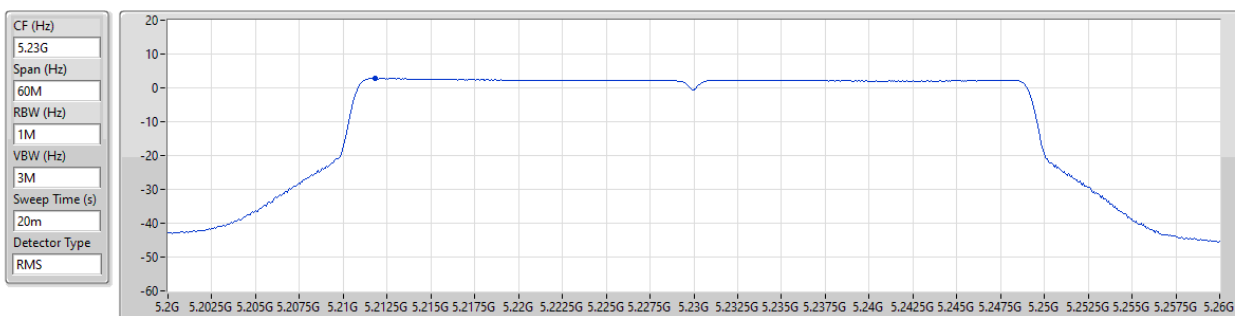
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
1.46	1.46	1.46

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

PSD

5230MHz

11/02/2025



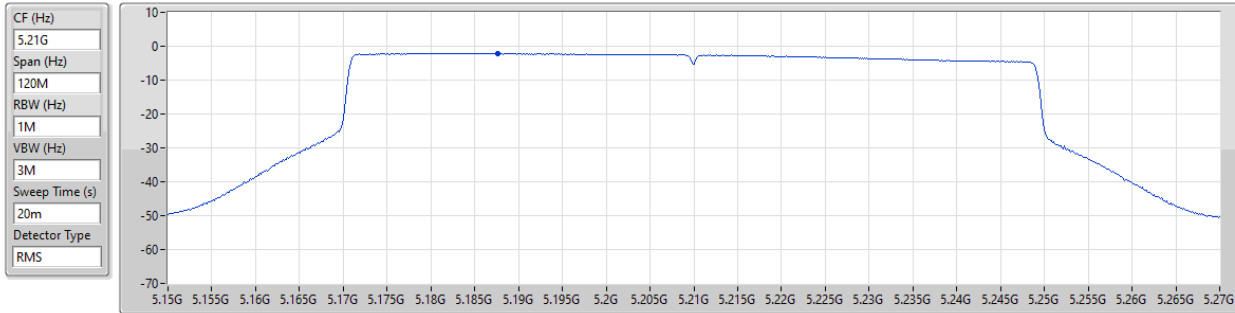
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.84	2.84	2.84

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

PSD

5210MHz

30/12/2024



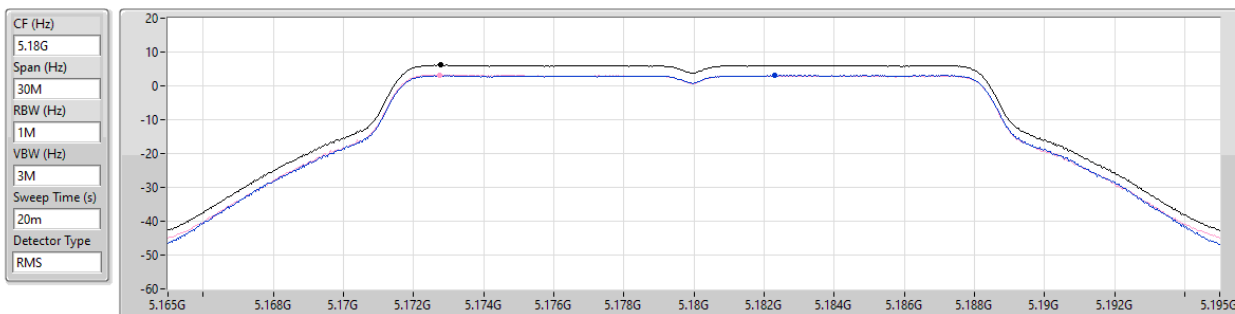
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-2.12	-2.12	-2.12

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

PSD

5180MHz

11/02/2025



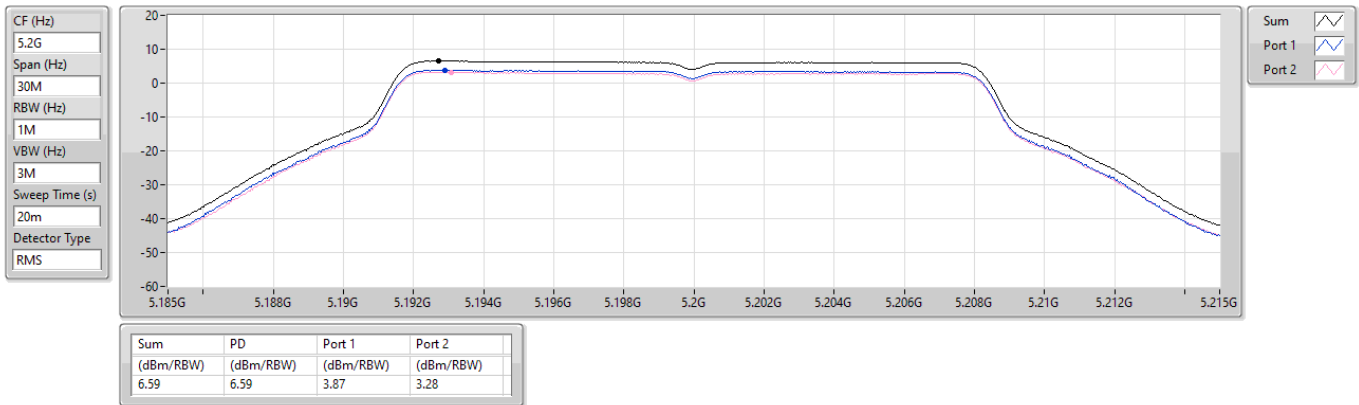
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
6.15	6.15	3.12	3.28

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

PSD

5200MHz

11/02/2025

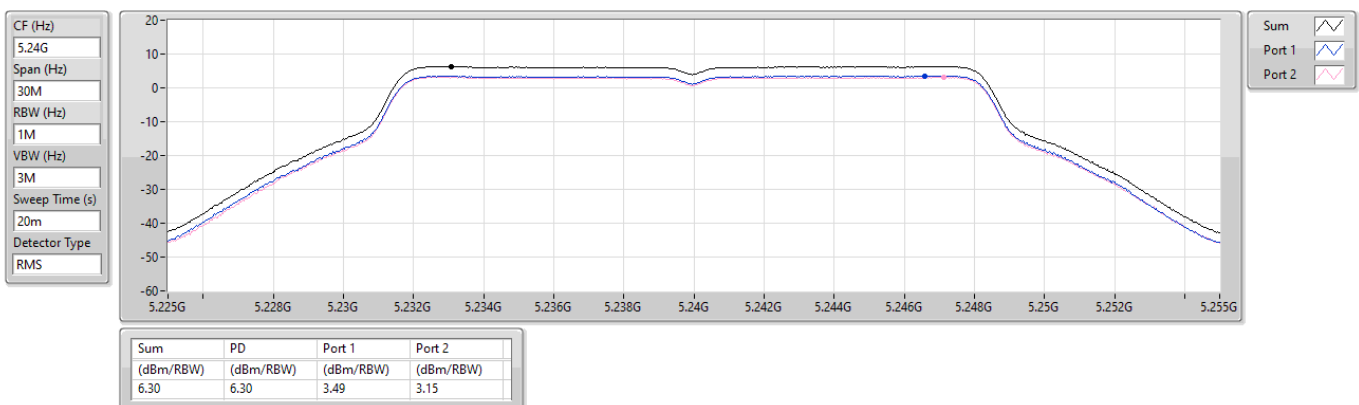


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5240MHz

11/02/2025

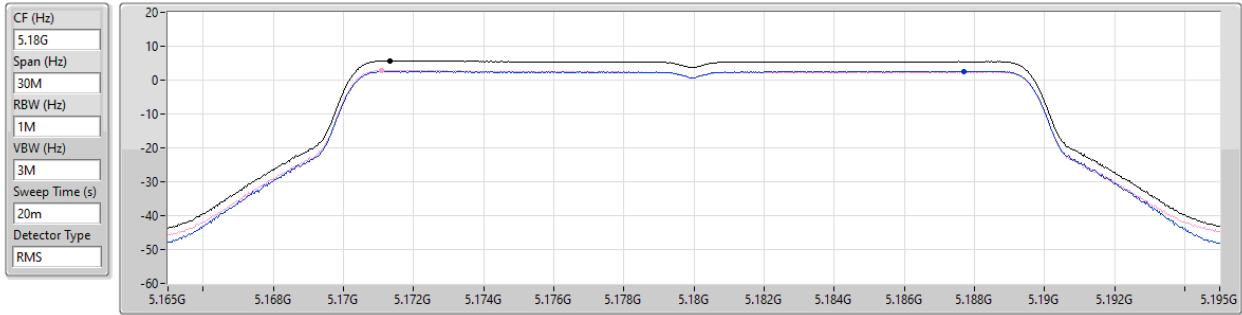


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

PSD

5180MHz

11/02/2025



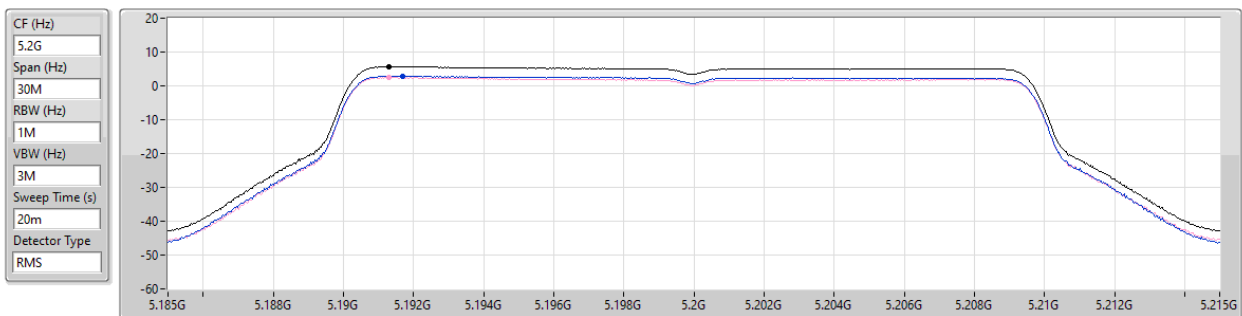
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.67	5.67	2.58	2.89

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

PSD

5200MHz

11/02/2025



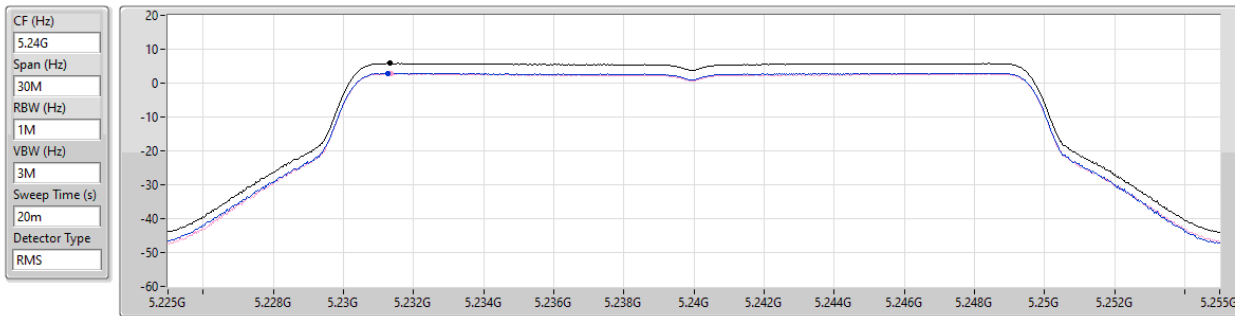
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.70	5.70	2.91	2.50

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

PSD

5240MHz

11/02/2025



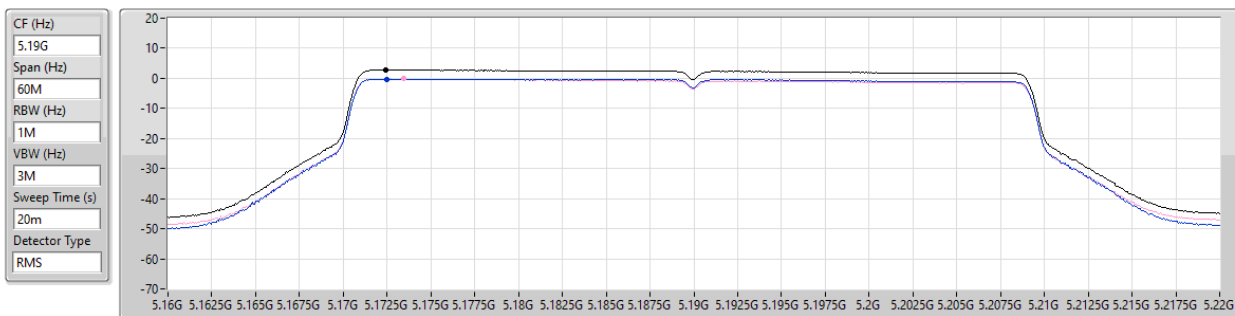
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.83	5.83	2.94	2.77

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

PSD

5190MHz

11/02/2025



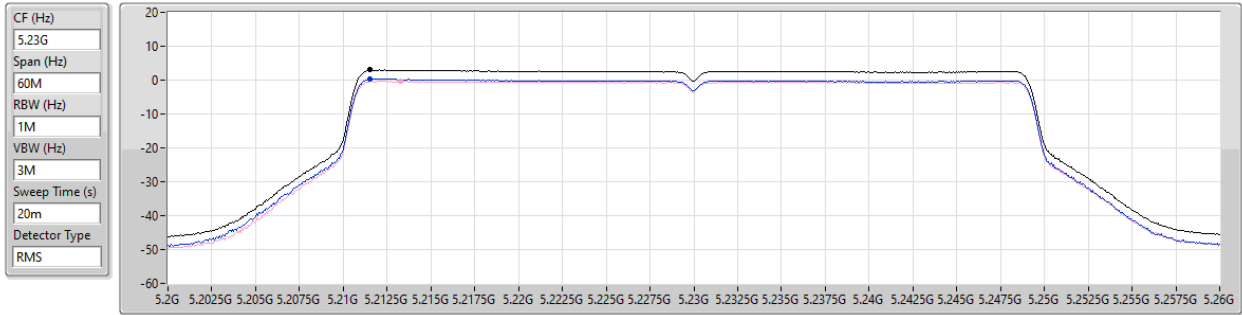
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.76	2.76	-0.24	-0.17

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

PSD

5230MHz

11/02/2025



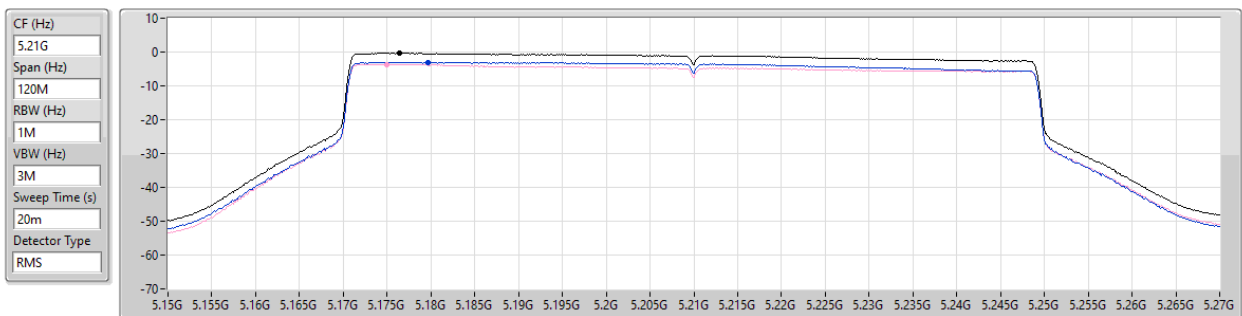
Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
2.99	2.99	0.34	-0.37

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

PSD

5210MHz

30/12/2024



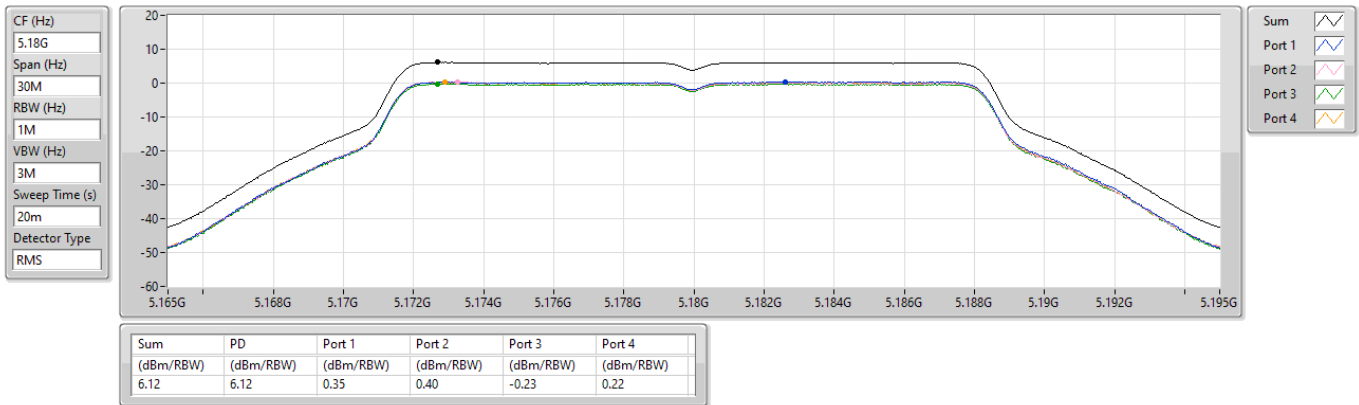
Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
-0.37	-0.37	-3.07	-3.64

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

PSD

5180MHz

11/02/2025

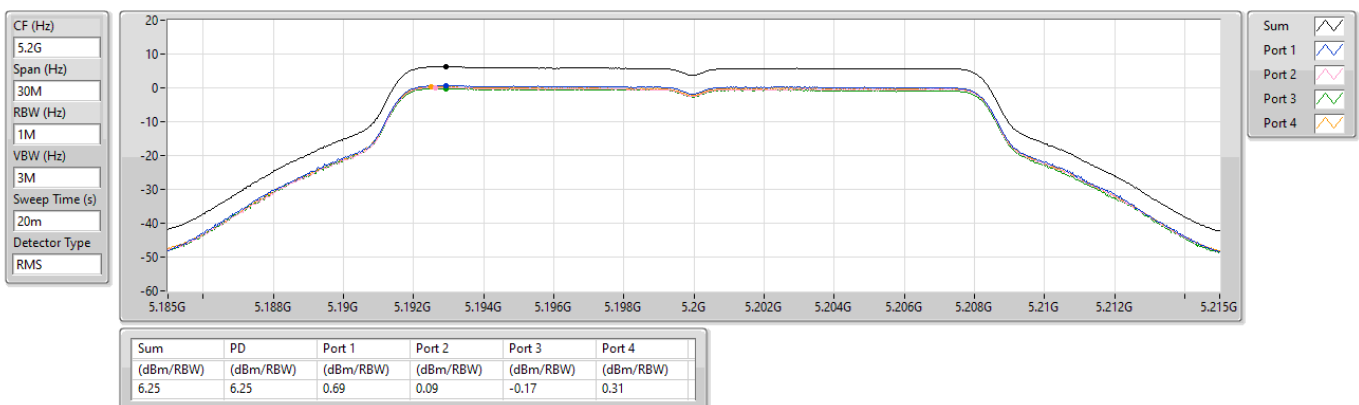


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

11/02/2025



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

PSD

5240MHz

11/02/2025

CF (Hz)
5.24G

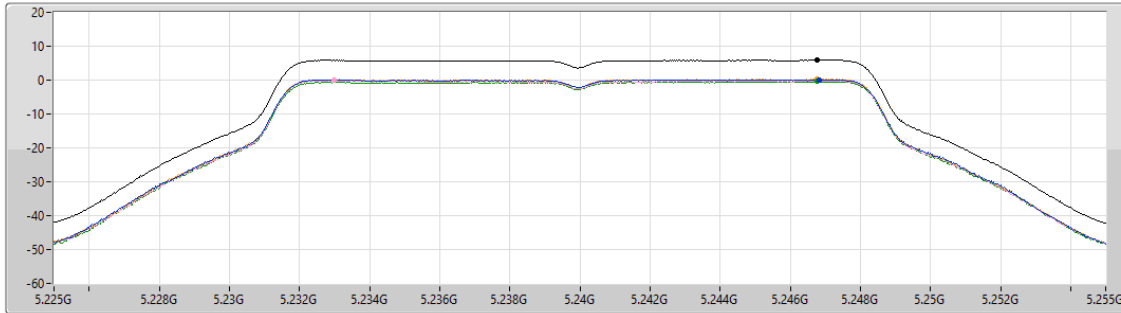
Span (Hz)
30M

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/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.95	5.95	0.11	-0.13	-0.46	0.32

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

PSD

5180MHz

11/02/2025

CF (Hz)
5.18G

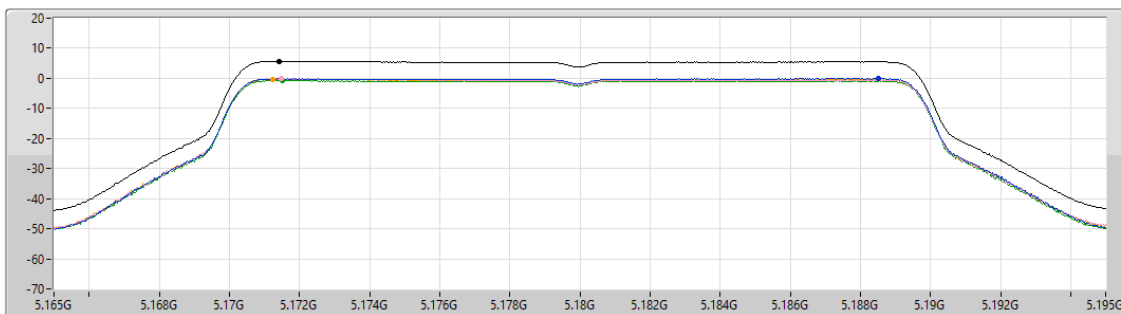
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

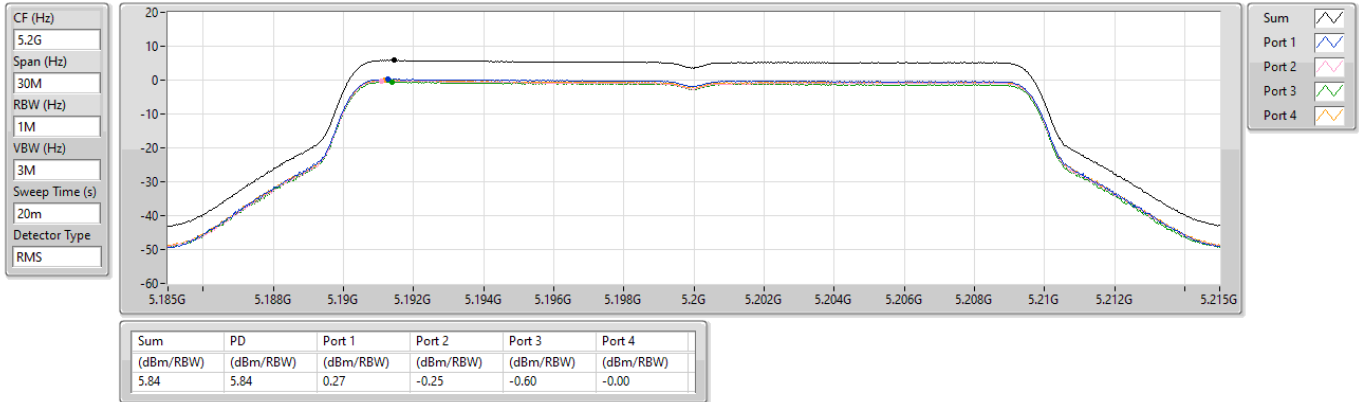
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
5.68	5.68	-0.04	-0.08	-0.72	-0.26

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

PSD

5200MHz

12/02/2025

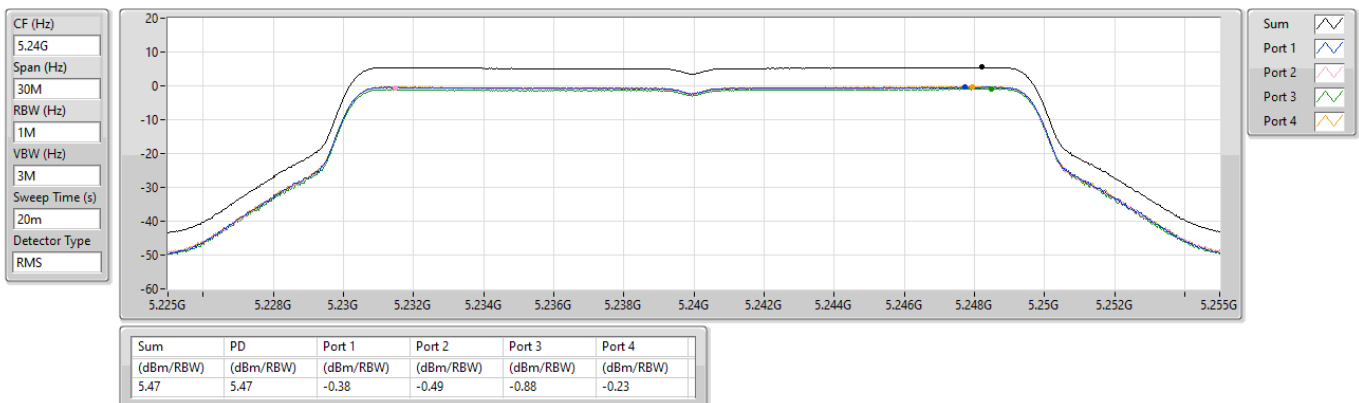


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

12/02/2025

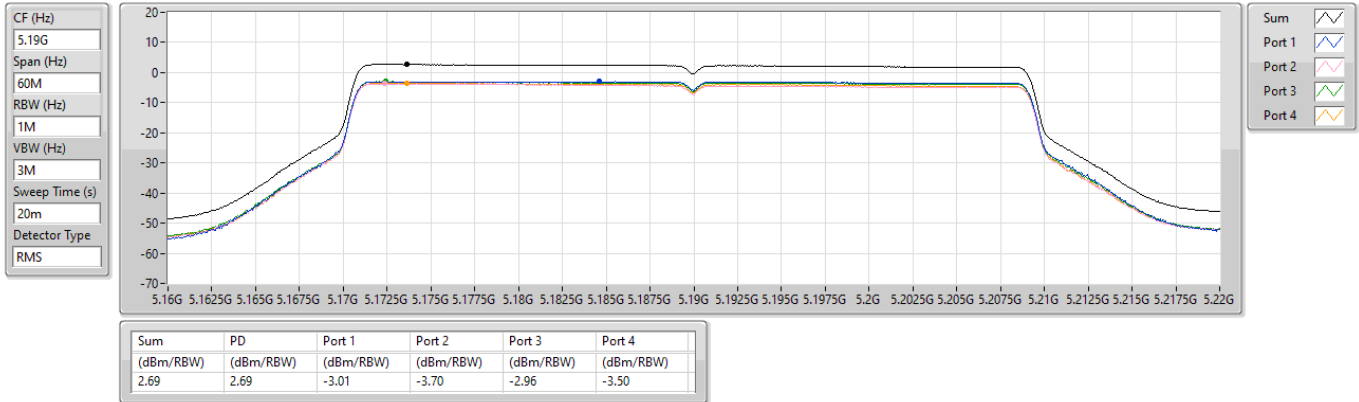


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5190MHz

31/12/2024

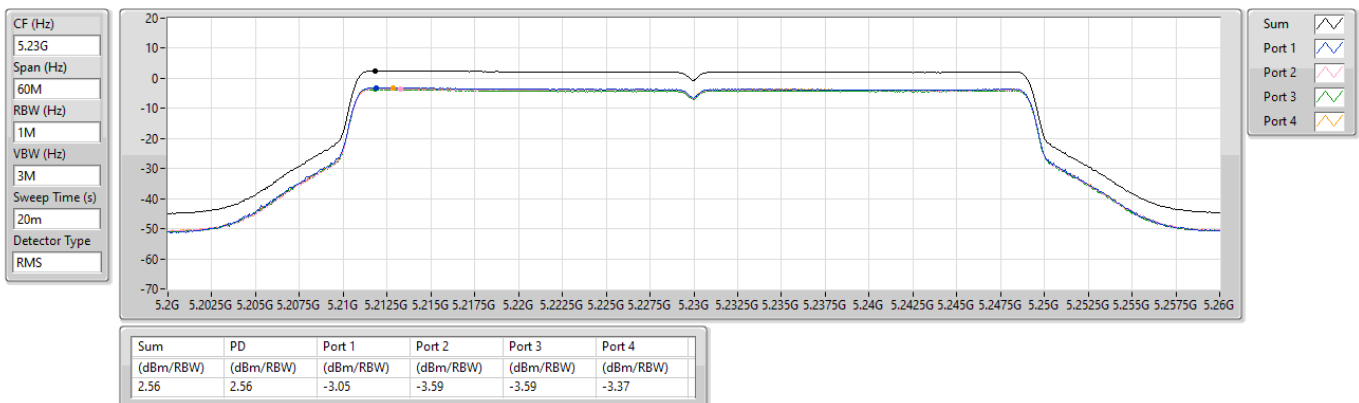


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_4TX

PSD

5230MHz

12/02/2025



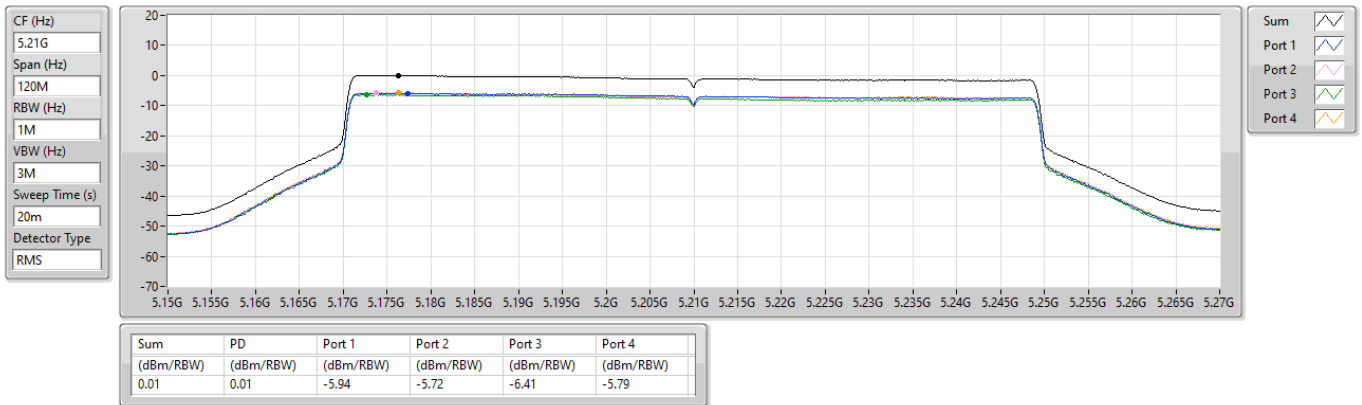


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_4TX

PSD

5210MHz

12/02/2025





PSD_R5 (Internal Ant.)_Multi-RU
(Parent Device / FCC ID: UDX-600216010)

Appendix D.6

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;



PSD_R5 (Internal Ant.)_Multi-RU
(Parent Device / FCC ID: UDX-600216010)

Appendix D.6

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

CF (Hz)
5.21G

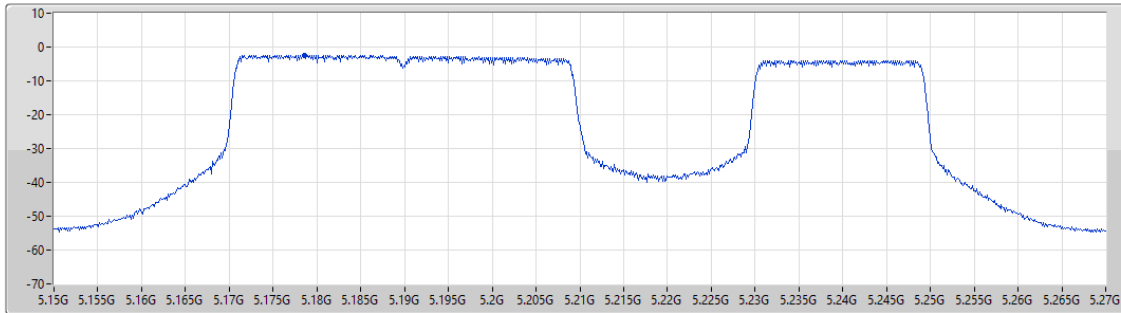
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.874

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.41	-2.41	-2.41

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

PSD

5210MHz

10/02/2025

CF (Hz)
5.21G

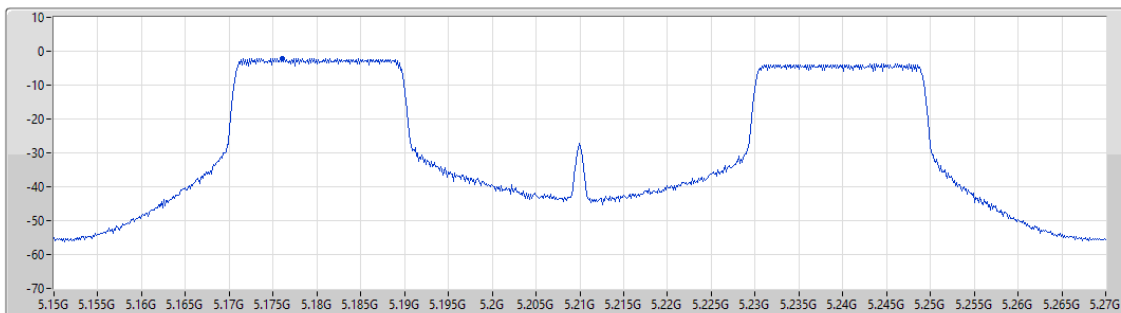
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.843

Detector Type
RMS



Port 1

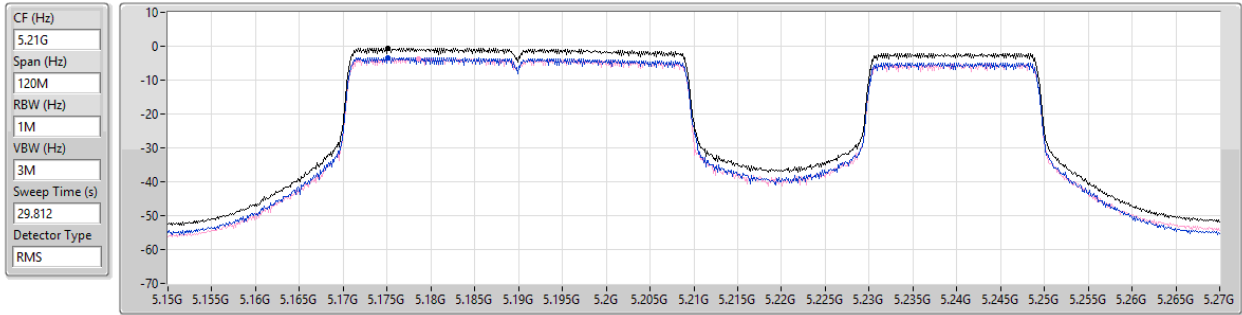
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.24	-2.24	-2.24

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

PSD

5210MHz

11/02/2025



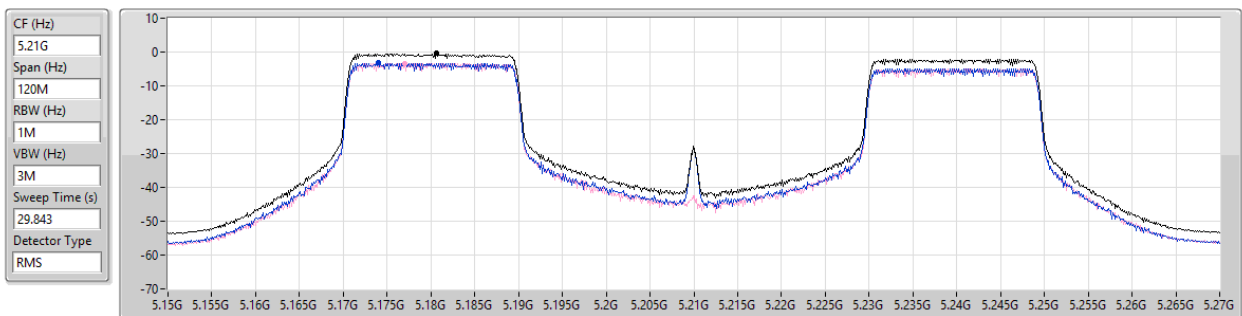
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.52	-0.52	-3.32	-3.69

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

PSD

5210MHz

11/02/2025



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

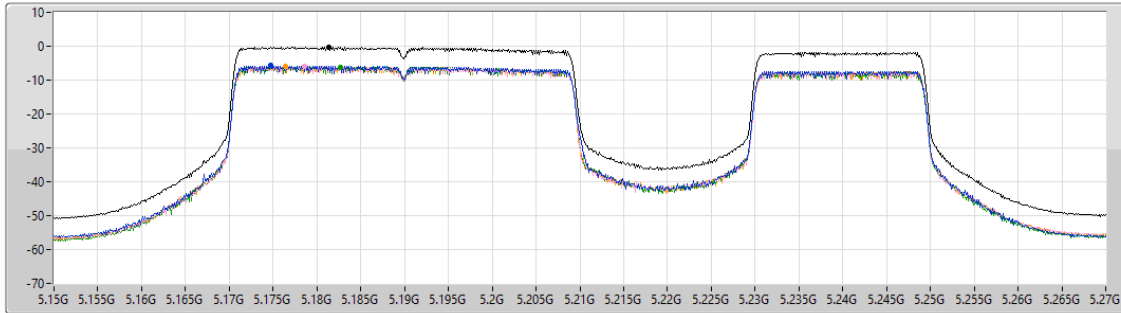
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.874

Detector Type
RMS



Sum	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

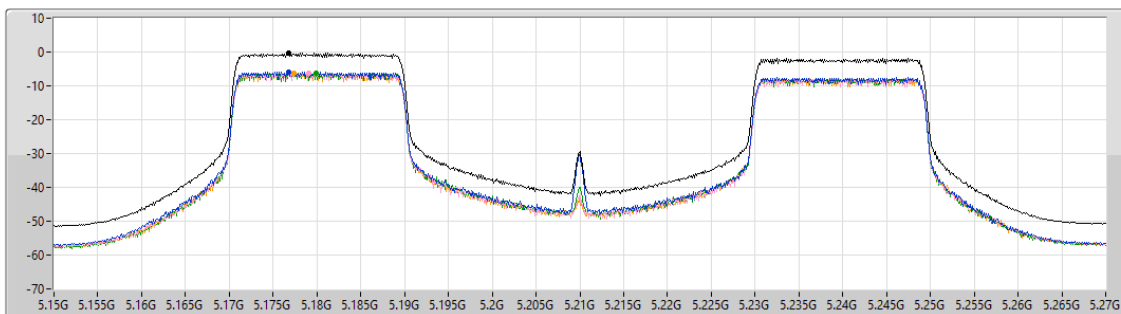
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
29.874

Detector Type
RMS



Sum	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



PSD_R5 (Internal Ant.)_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.7

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;



PSD_R5 (Internal Ant.)_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.7

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

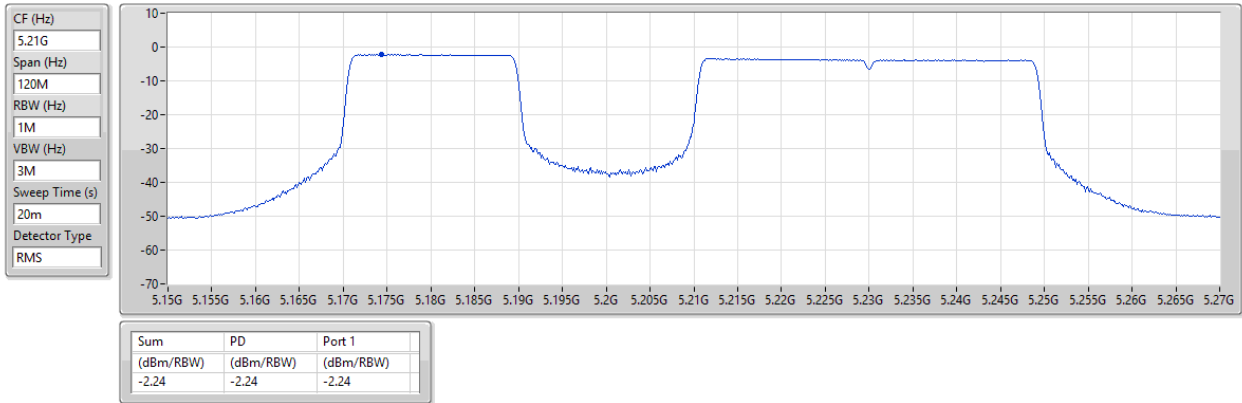
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5210MHz

15/02/2025

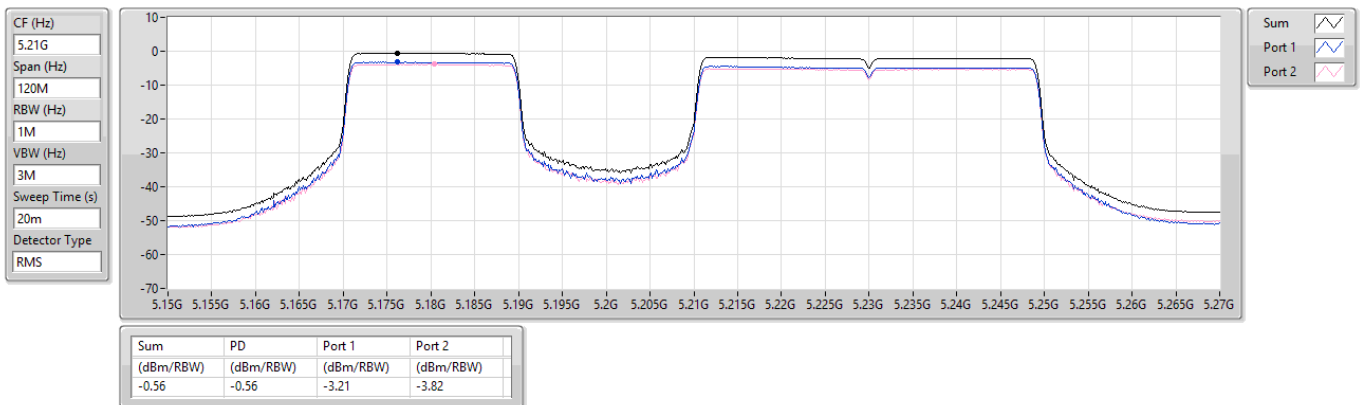


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_2TX

PSD

5210MHz

15/02/2025

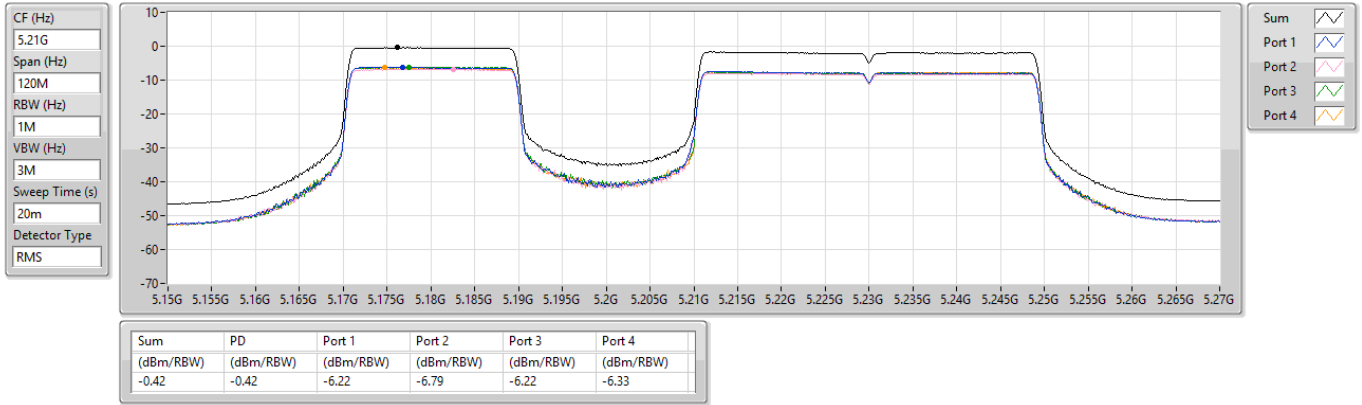


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX

PSD

5210MHz

15/02/2025





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_1TX	3.85	11.36
802.11a_Nss1,(6Mbps)_2TX	3.77	12.99
802.11a_Nss1,(6Mbps)_4TX	3.75	15.98
802.11be EHT20_Nss1,(MCS0)_1TX	3.25	10.76
802.11be EHT20_Nss1,(MCS0)_2TX	3.08	12.30
802.11be EHT20_Nss1,(MCS0)_4TX	2.95	15.18
802.11be EHT40_Nss1,(MCS0)_1TX	0.22	7.73
802.11be EHT40_Nss1,(MCS0)_2TX	0.12	9.34
802.11be EHT40_Nss1,(MCS0)_4TX	0.19	12.42
802.11be EHT80_Nss1,(MCS0)_1TX	-3.17	4.34
802.11be EHT80_Nss1,(MCS0)_2TX	-3.34	5.88
802.11be EHT80_Nss1,(MCS0)_4TX	-3.23	9.00

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



PSD_R5 (External Ant.)_Full RU
(Variant Device / FCC ID: UDX-600216020)

Appendix D.8

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)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	3.77				3.77	15.49	11.28	Inf
5200MHz	Pass	7.51	3.85				3.85	15.49	11.36	Inf
5240MHz	Pass	7.51	3.40				3.40	15.49	10.91	Inf
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	7.51	3.25				3.25	15.49	10.76	Inf
5200MHz	Pass	7.51	3.14				3.14	15.49	10.65	Inf
5240MHz	Pass	7.51	3.24				3.24	15.49	10.75	Inf
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	7.51	0.22				0.22	15.49	7.73	Inf
5230MHz	Pass	7.51	0.18				0.18	15.49	7.69	Inf
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	7.51	-3.17				-3.17	15.49	4.34	Inf
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	1.24	0.40			3.77	13.78	12.99	Inf
5200MHz	Pass	9.22	0.70	0.35			3.51	13.78	12.73	Inf
5240MHz	Pass	9.22	0.71	0.87			3.74	13.78	12.96	Inf
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	9.22	0.29	-0.12			3.06	13.78	12.28	Inf
5200MHz	Pass	9.22	-0.07	-0.05			2.90	13.78	12.12	Inf
5240MHz	Pass	9.22	-0.00	0.16			3.08	13.78	12.30	Inf
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	9.22	-2.58	-2.98			0.12	13.78	9.34	Inf
5230MHz	Pass	9.22	-3.37	-3.01			-0.25	13.78	8.97	Inf
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	9.22	-6.23	-6.08			-3.34	13.78	5.88	Inf
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23	-2.08	-2.31	-2.12	-2.43	3.70	10.77	15.93	Inf
5200MHz	Pass	12.23	-2.34	-2.26	-2.48	-2.41	3.55	10.77	15.78	Inf
5240MHz	Pass	12.23	-2.19	-2.27	-2.28	-2.14	3.75	10.77	15.98	Inf
802.11be EHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	12.23	-2.85	-3.07	-3.08	-3.11	2.90	10.77	15.13	Inf
5200MHz	Pass	12.23	-3.05	-3.04	-3.38	-3.07	2.82	10.77	15.05	Inf
5240MHz	Pass	12.23	-2.96	-3.09	-3.01	-2.97	2.95	10.77	15.18	Inf
802.11be EHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	12.23	-5.56	-5.92	-5.57	-6.02	0.19	10.77	12.42	Inf
5230MHz	Pass	12.23	-6.26	-6.18	-5.98	-6.24	-0.21	10.77	12.02	Inf
802.11be EHT80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	12.23	-9.08	-9.08	-8.94	-9.14	-3.23	10.77	9.00	Inf

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

12/02/2025

CF (Hz)
5.18G

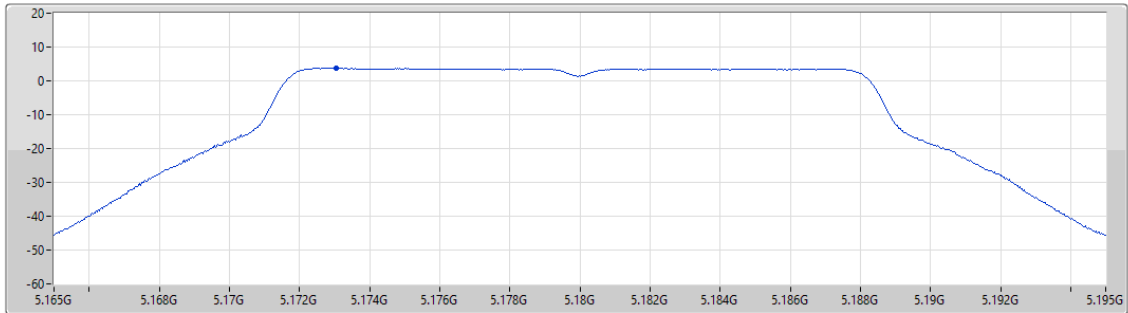
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.77	3.77	3.77

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

PSD

5200MHz

12/02/2025

CF (Hz)
5.2G

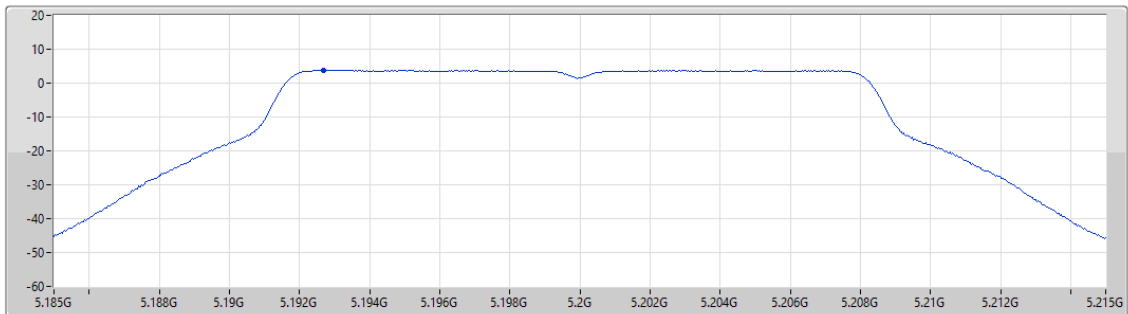
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



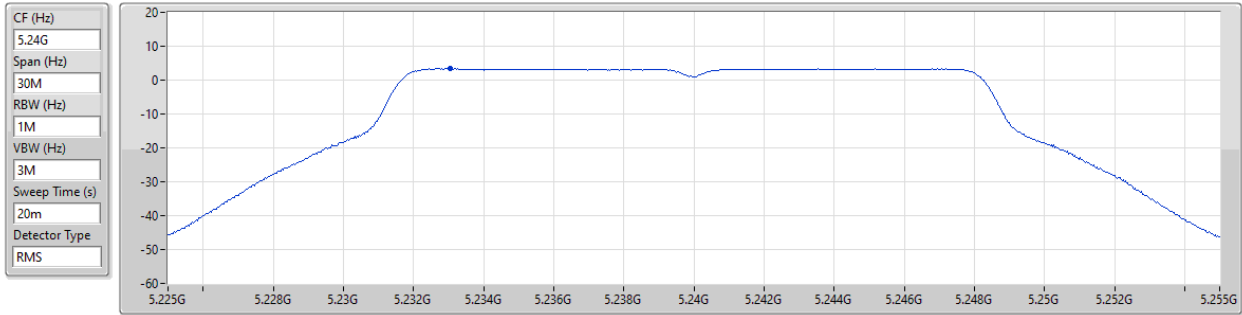
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.85	3.85	3.85

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

PSD

5240MHz

12/02/2025



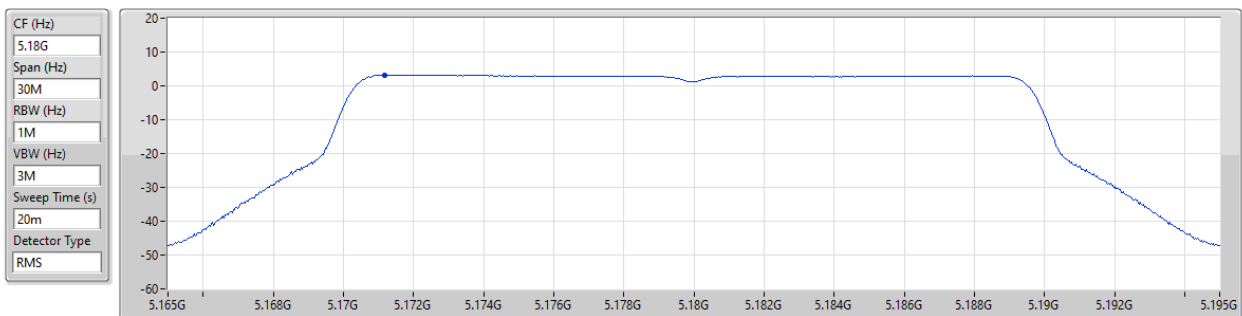
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.40	3.40	3.40

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

PSD

5180MHz

12/02/2025



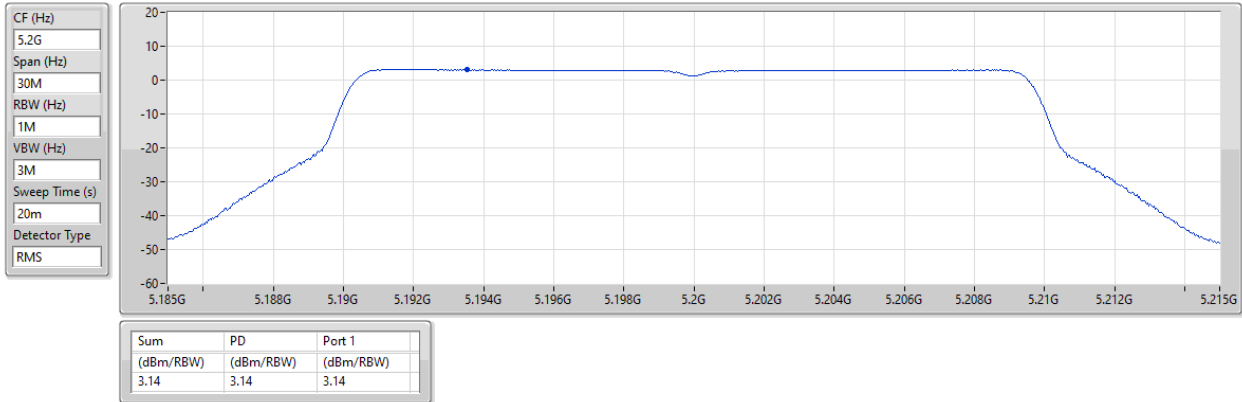
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.25	3.25	3.25

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

PSD

5200MHz

12/02/2025

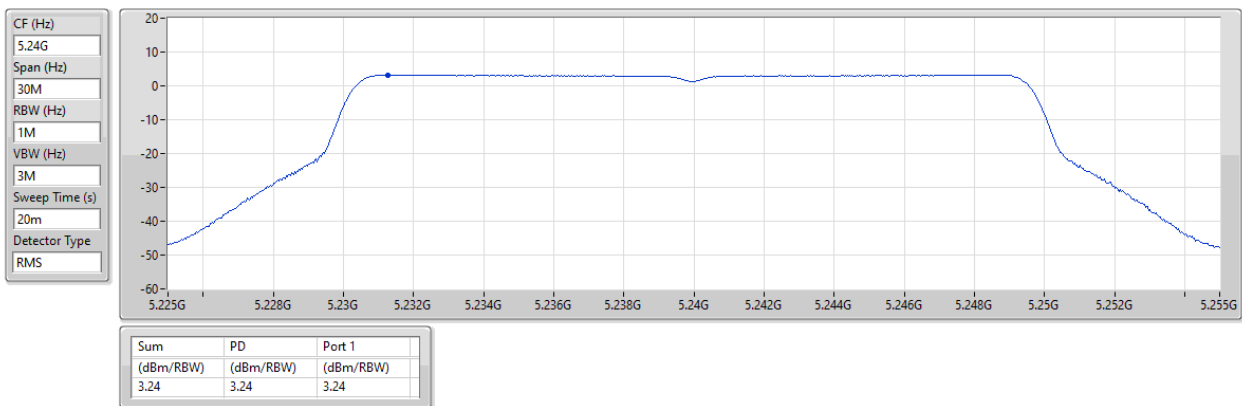


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_1TX

PSD

5240MHz

12/02/2025

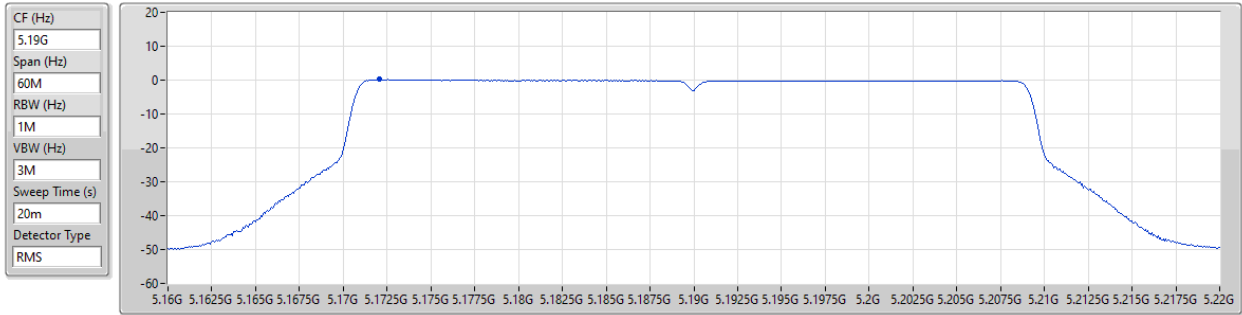


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_1TX

PSD

5190MHz

12/02/2025



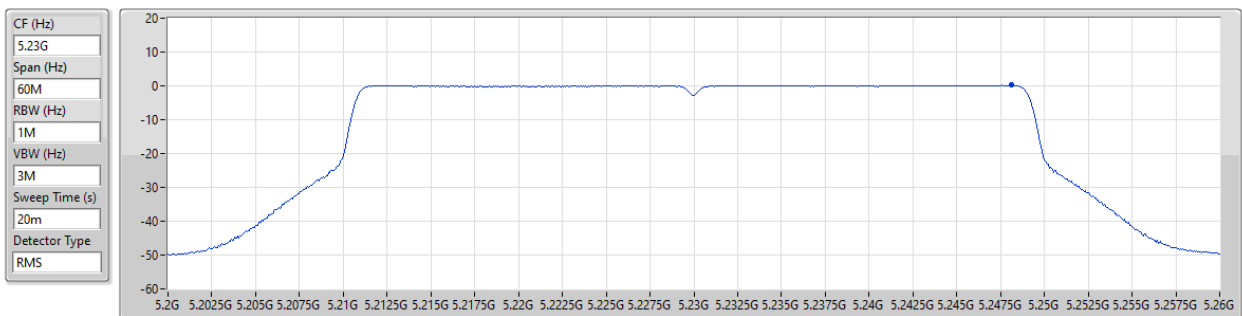
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.22	0.22	0.22

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

PSD

5230MHz

12/02/2025



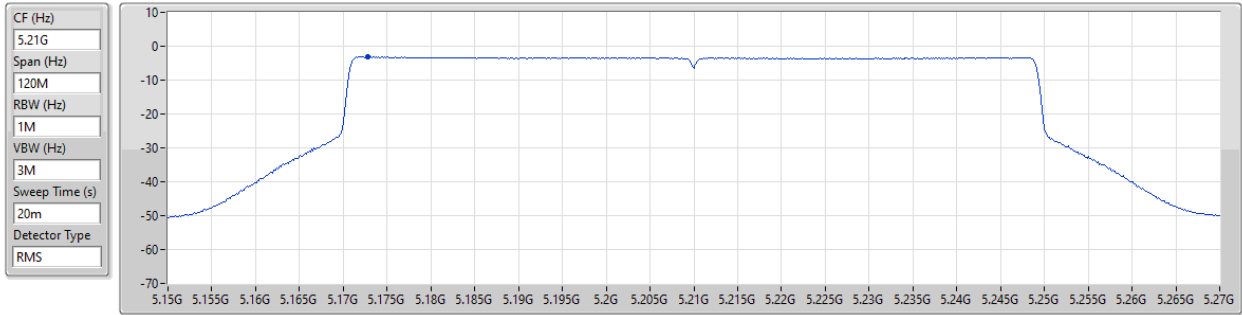
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.18	0.18	0.18

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

PSD

5210MHz

12/02/2025

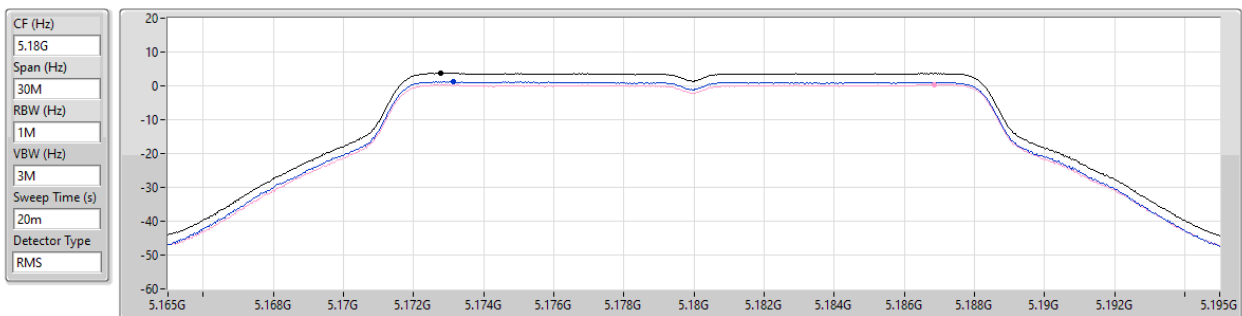


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

PSD

5180MHz

12/02/2025



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

PSD

5200MHz

12/02/2025

CF (Hz)
5.2G

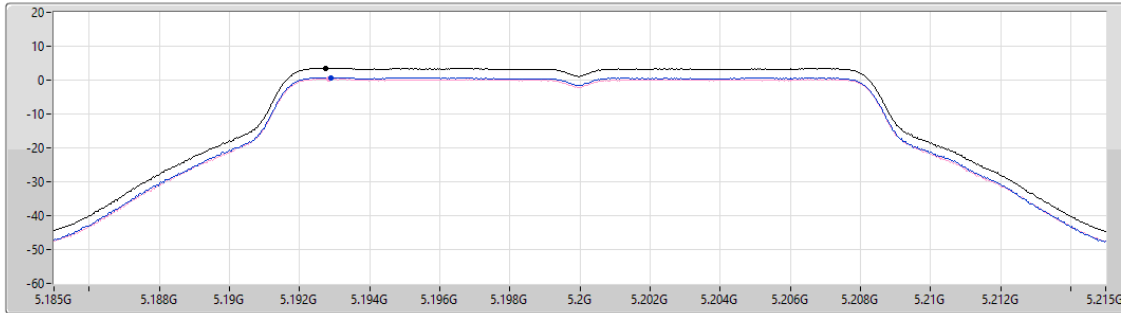
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
3.51	3.51	0.70	0.35

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5240MHz

12/02/2025

CF (Hz)
5.24G

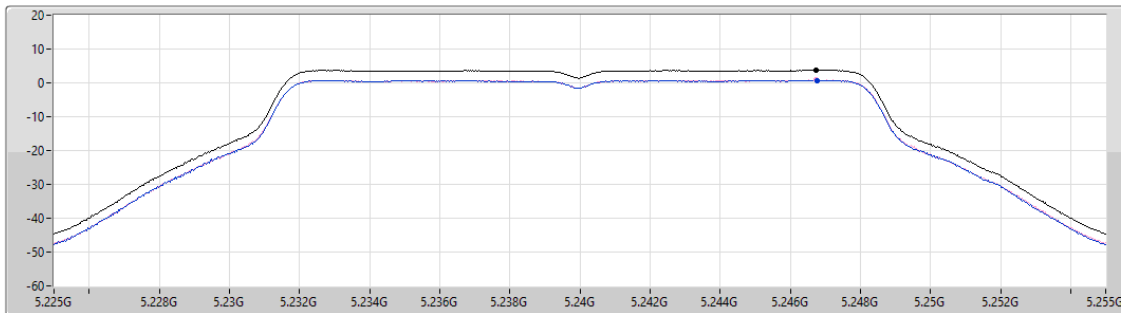
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum (dBm/Hz)	PD (dBm/Hz)	Port 1 (dBm/Hz)	Port 2 (dBm/Hz)
3.74	3.74	0.71	0.87

Sum ☒

Port 1 ☐

Port 2 ☐

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

PSD

5180MHz

12/02/2025

CF (Hz)
5.18G

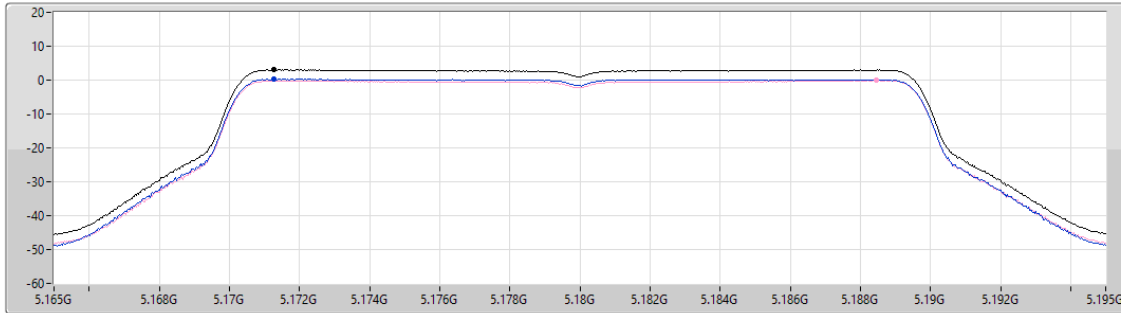
Span (Hz)
30M

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)
3.06	3.06	0.29	-0.12

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

PSD

5200MHz

12/02/2025

CF (Hz)
5.2G

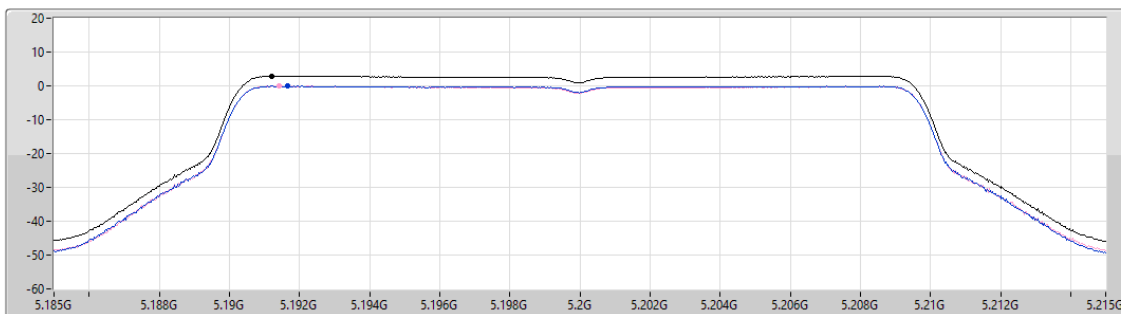
Span (Hz)
30M

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)
2.90	2.90	-0.07	-0.05

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

PSD

5240MHz

12/02/2025

CF (Hz)
5.24G

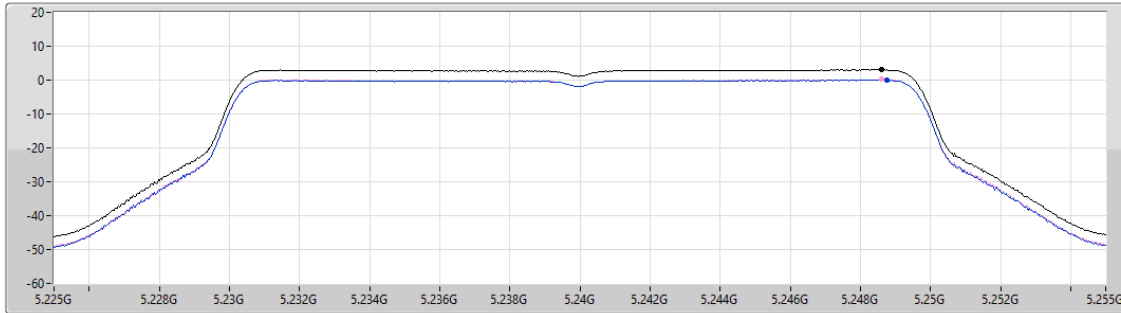
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.08	3.08	-0.00	0.16

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

PSD

5190MHz

12/02/2025

CF (Hz)
5.19G

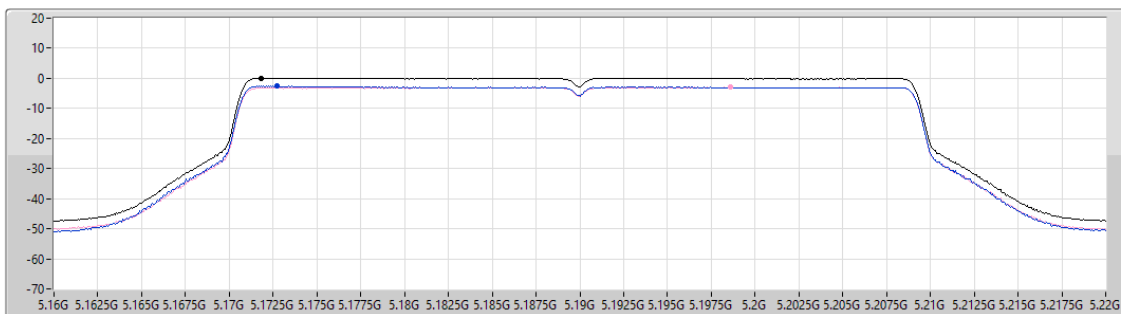
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum ☐

Port 1 ☐

Port 2 ☐

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.12	0.12	-2.58	-2.98

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

PSD

5230MHz

12/02/2025

CF (Hz)
5.23G

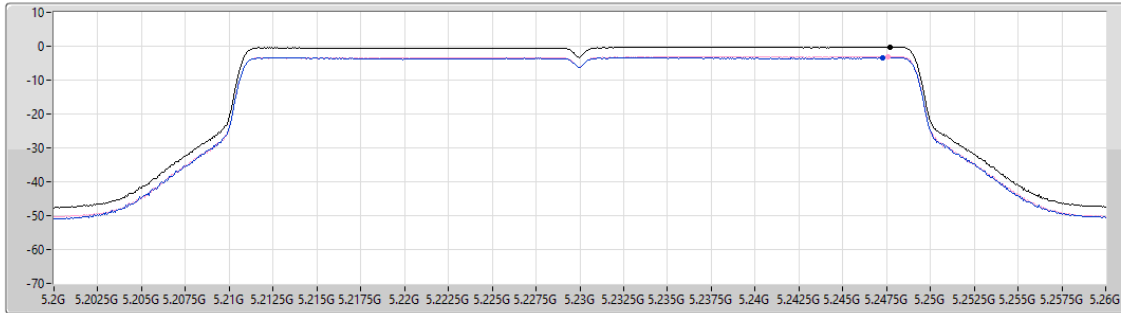
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.25	-0.25	-3.37	-3.01

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

PSD

5210MHz

12/02/2025

CF (Hz)
5.21G

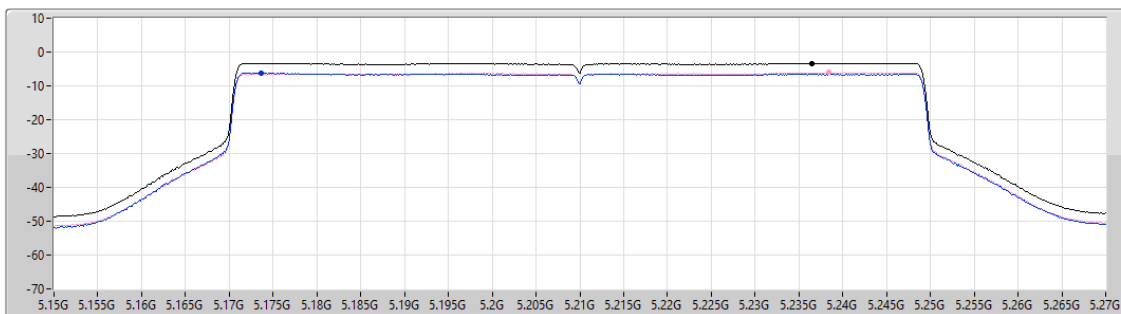
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

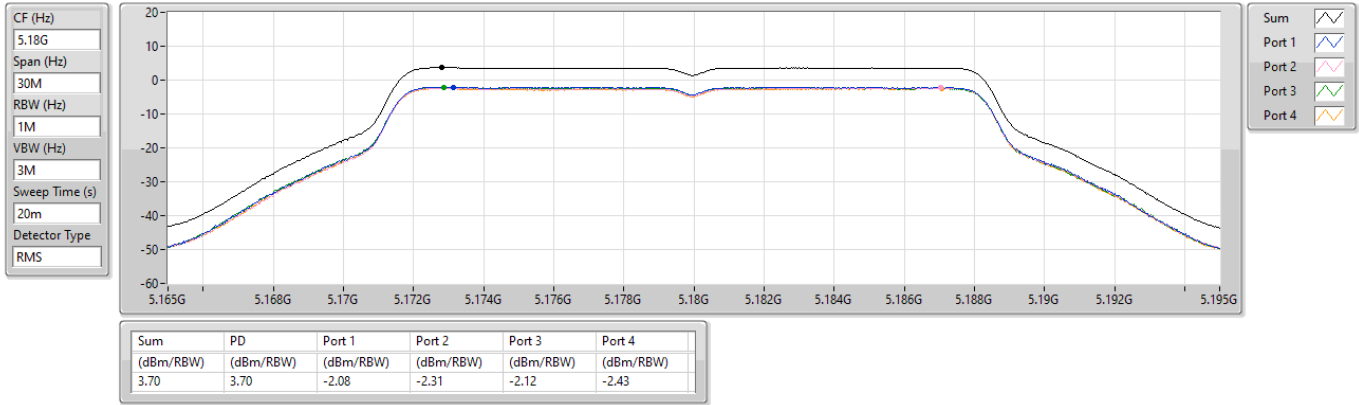
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.34	-3.34	-6.23	-6.08

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

PSD

5180MHz

12/02/2025

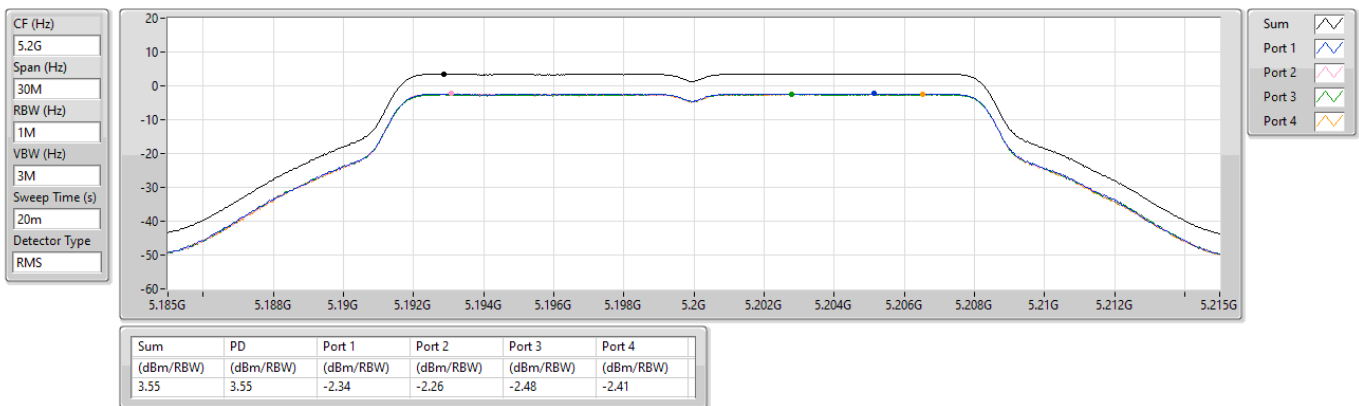


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

12/02/2025



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

PSD

5240MHz

12/02/2025

CF (Hz)
5.24G

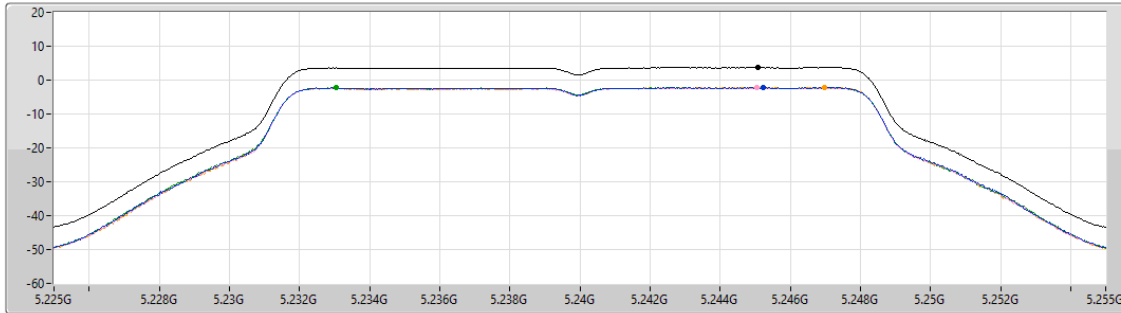
Span (Hz)
30M

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)
3.75	3.75	-2.19	-2.27	-2.28	-2.14

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

PSD

5180MHz

12/02/2025

CF (Hz)
5.18G

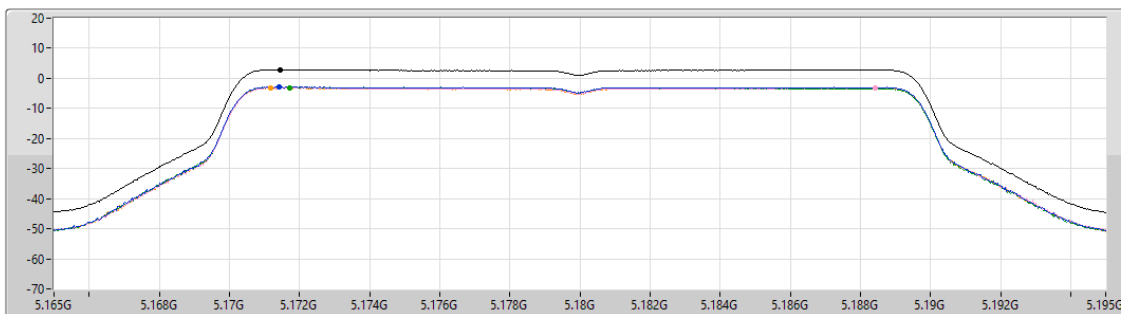
Span (Hz)
30M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

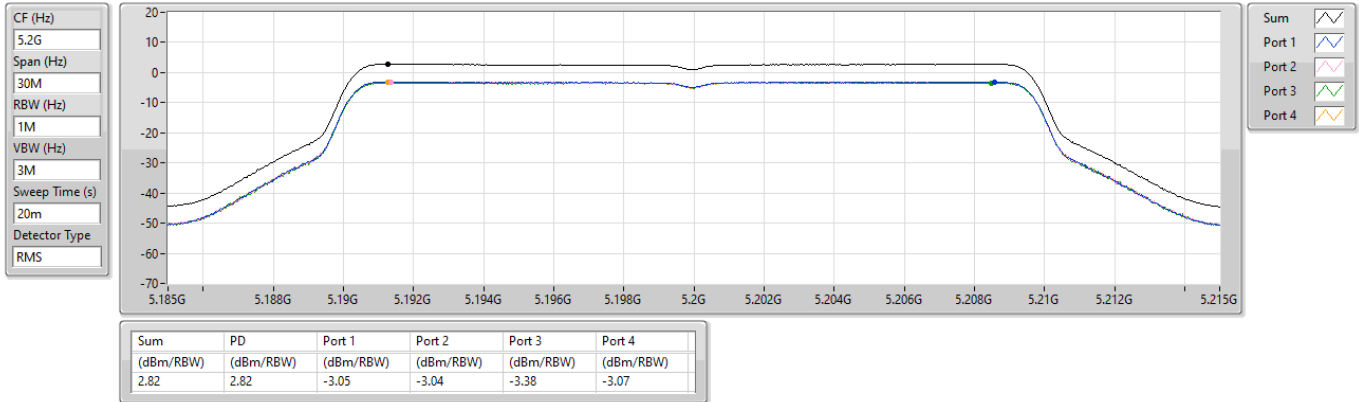
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.90	2.90	-2.85	-3.07	-3.08	-3.11

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

PSD

5200MHz

12/02/2025

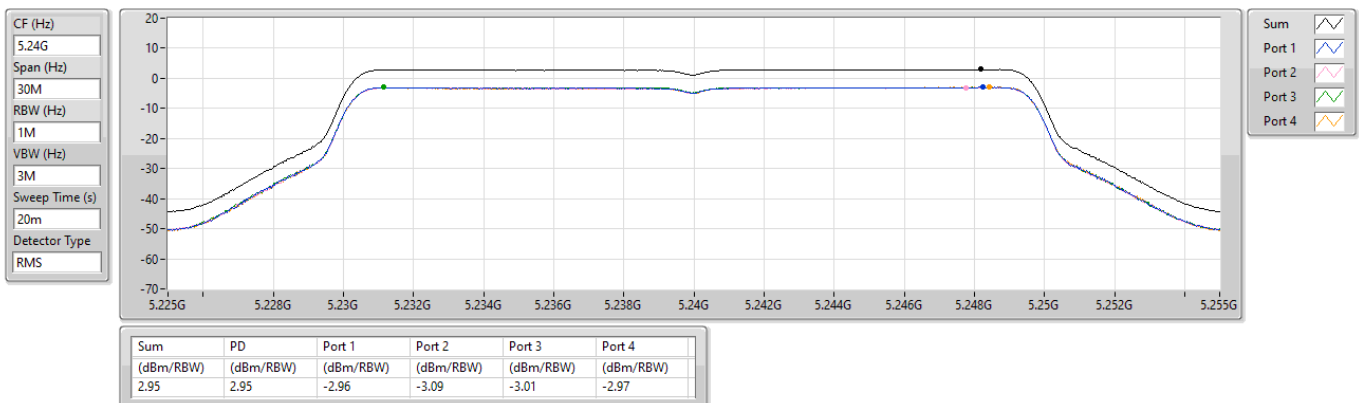


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_4TX

PSD

5240MHz

12/02/2025



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

PSD

5190MHz

12/02/2025

CF (Hz)
5.19G

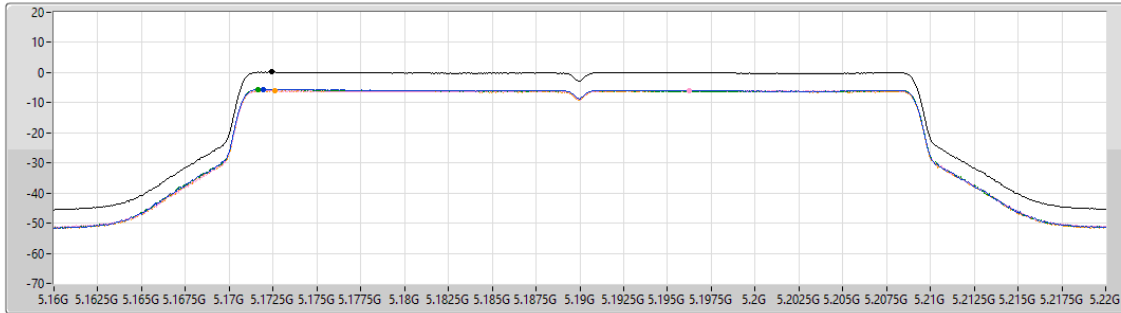
Span (Hz)
60M

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)
0.19	0.19	-5.56	-5.92	-5.57	-6.02

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

PSD

5230MHz

12/02/2025

CF (Hz)
5.23G

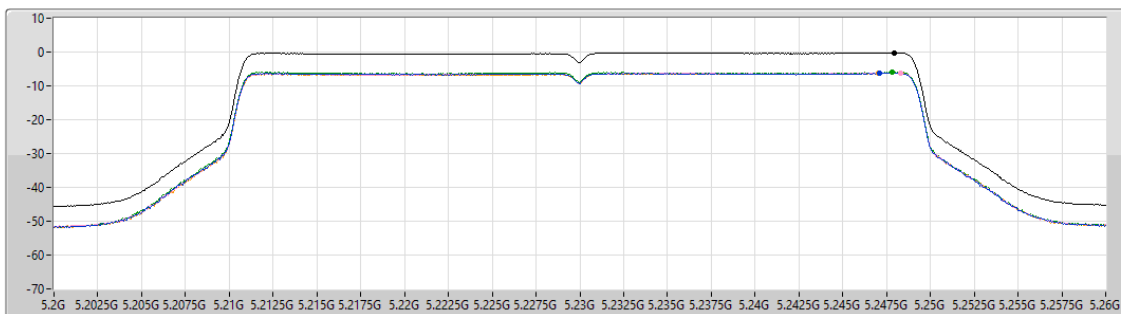
Span (Hz)
60M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

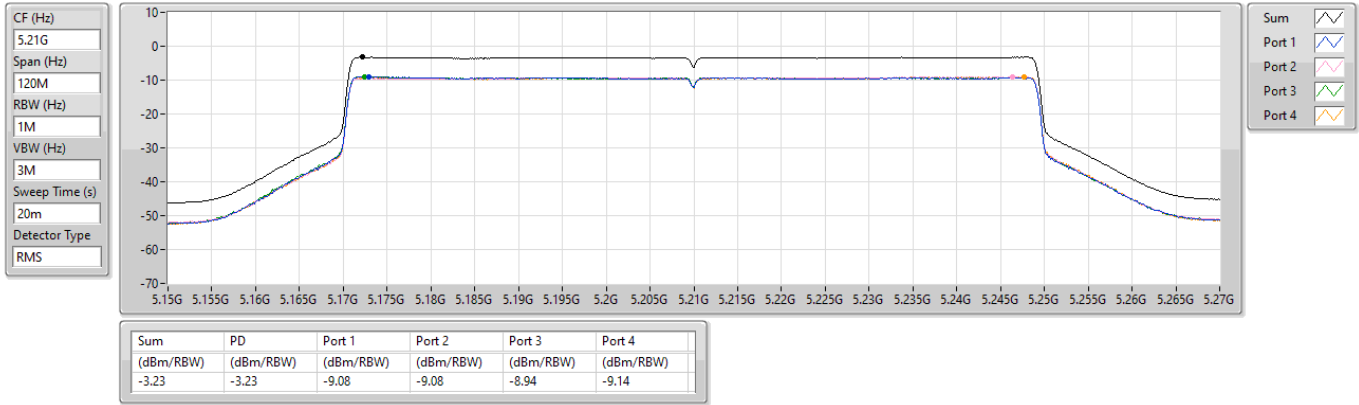
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.21	-0.21	-6.26	-6.18	-5.98	-6.24

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

PSD

5210MHz

12/02/2025





PSD_R5 (External Ant.)_Multi-RU
(Parent Device / FCC ID: UDX-600216010)

Appendix D.9

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
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_4TX	-2.65

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



PSD_R5 (External Ant.)_Multi-RU
(Parent Device / FCC ID: UDX-600216010)

Appendix D.9

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

08/04/2025

CF (Hz)
5.21G

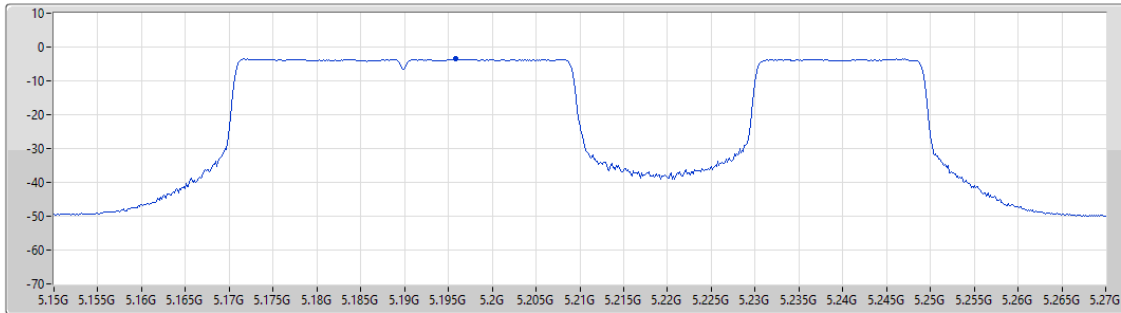
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.50	-3.50	-3.50

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

PSD

5210MHz

08/04/2025

CF (Hz)
5.21G

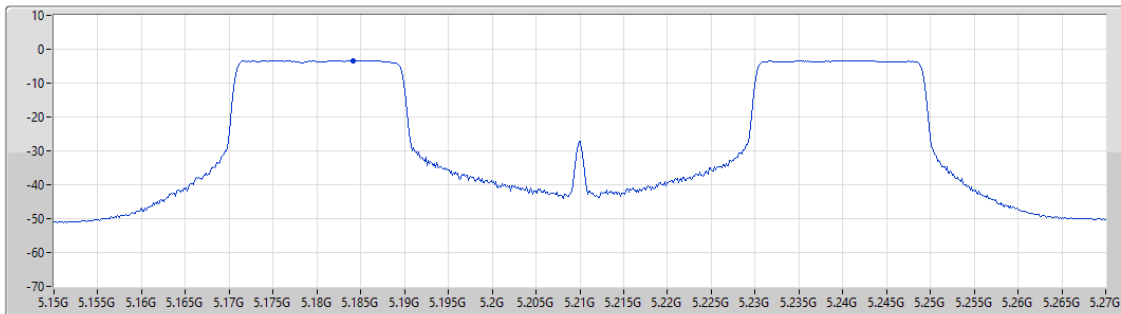
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Port 1

Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.29	-3.29	-3.29

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

PSD

5210MHz

08/04/2025

CF (Hz)
5.21G

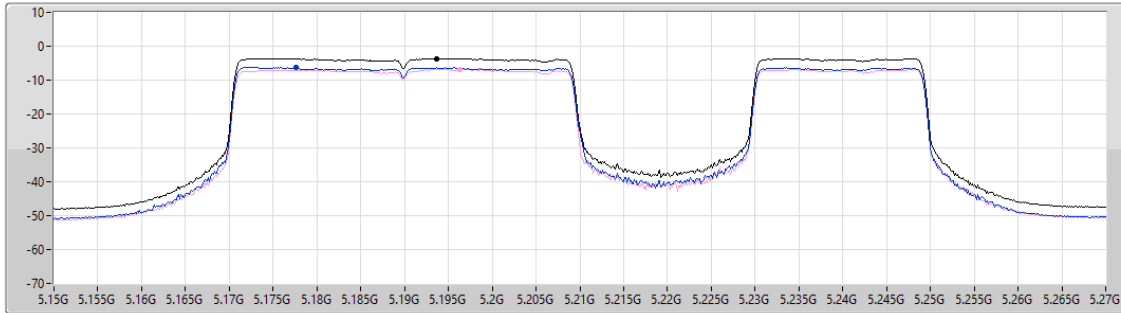
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.60	-3.60	-6.27	-6.84

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

PSD

5210MHz

08/04/2025

CF (Hz)
5.21G

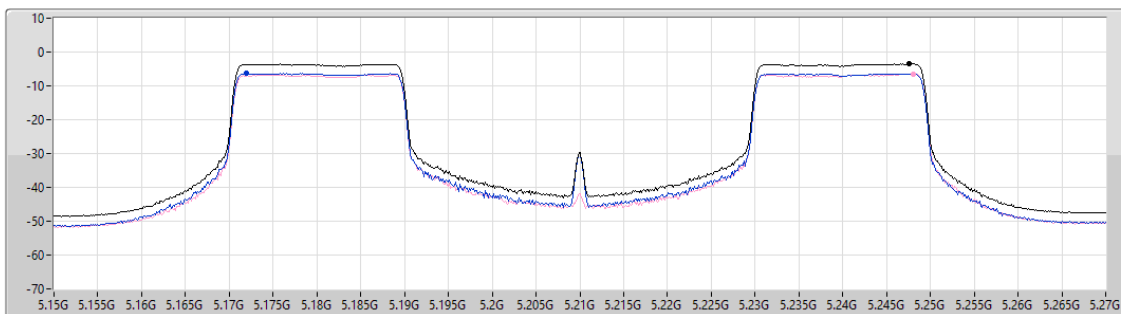
Span (Hz)
120M

RBW (Hz)
1M

VBW (Hz)
3M

Sweep Time (s)
20m

Detector Type
RMS



Sum 

Port 1 

Port 2 

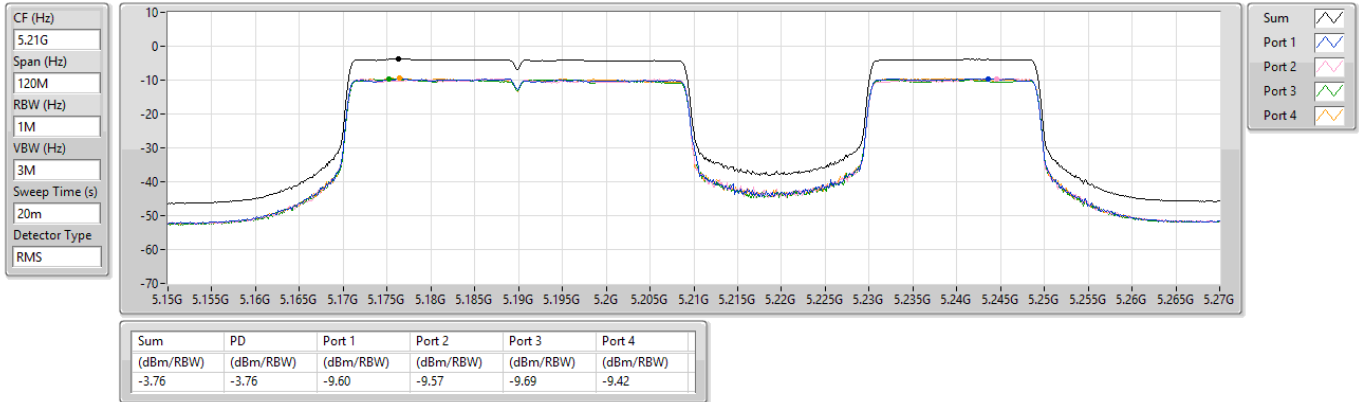
Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.47	-3.47	-6.34	-6.44

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

PSD

5210MHz

15/02/2025

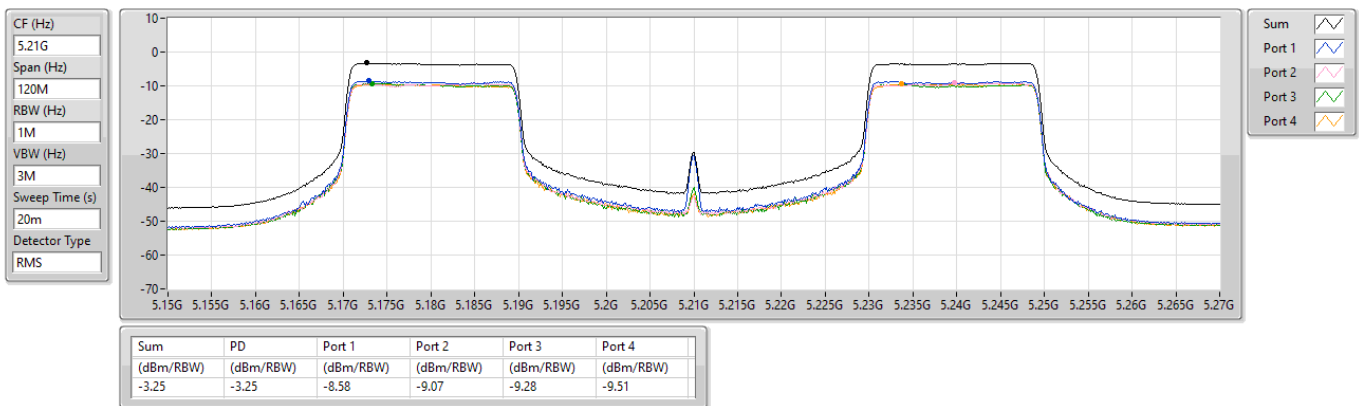


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0),RU242+RU242 MRU 1_4TX

PSD

5210MHz

08/04/2025





PSD_R5 (External Ant.)_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.10

Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_1TX	-1.52
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 3_2TX	-0.51
802.11be EHT80_Nss1,(MCS0),RU484+RU242 CP 2_4TX	-3.90

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



PSD_R5 (External Ant.)_Puncturing
(Parent Device / FCC ID: UDX-600216010)

Appendix D.10

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

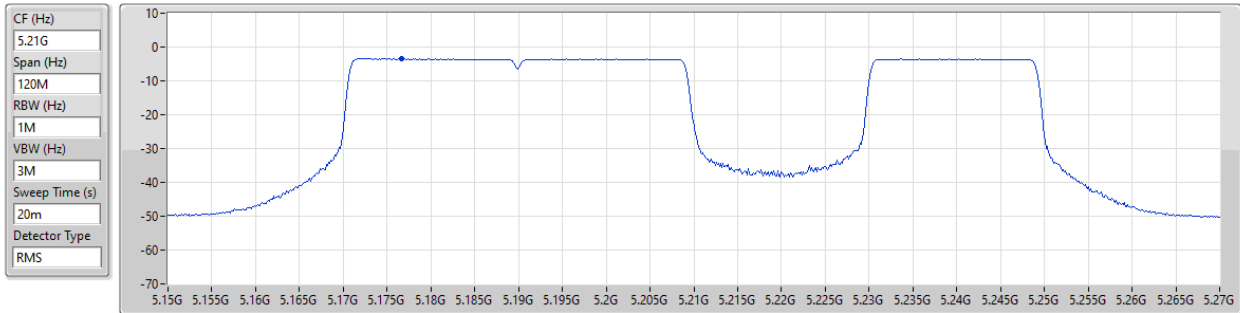
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;
Inf = There's no restriction for the limit.

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

PSD

5210MHz

08/04/2025



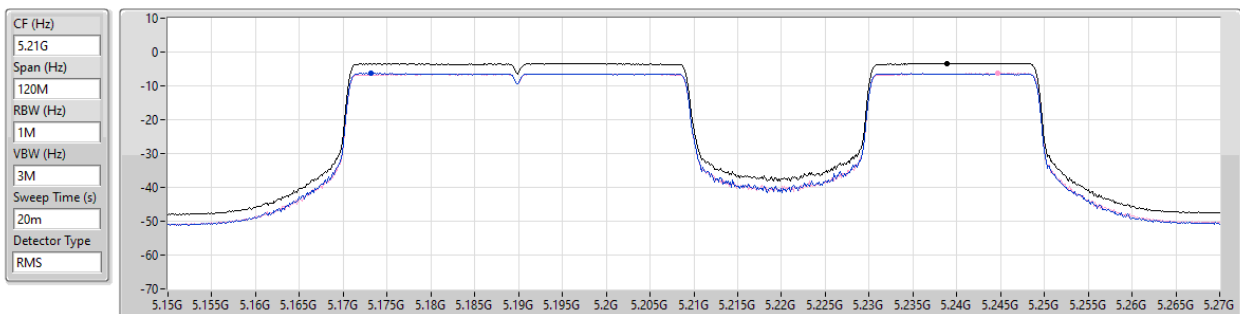
Sum	PD	Port 1
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.50	-3.50	-3.50

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

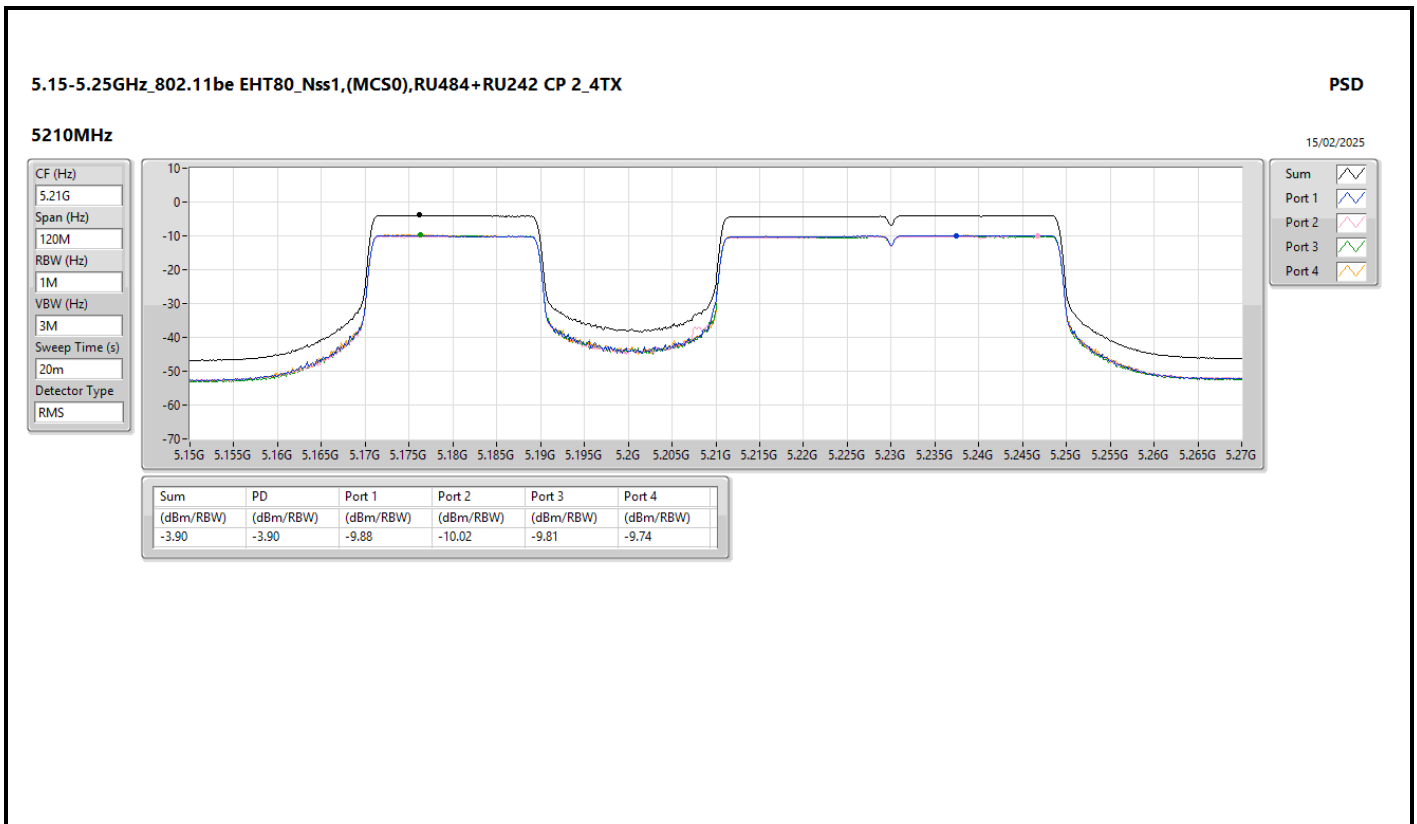
PSD

5210MHz

08/04/2025



Sum	PD	Port 1	Port 2
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-3.43	-3.43	-6.30	-6.27





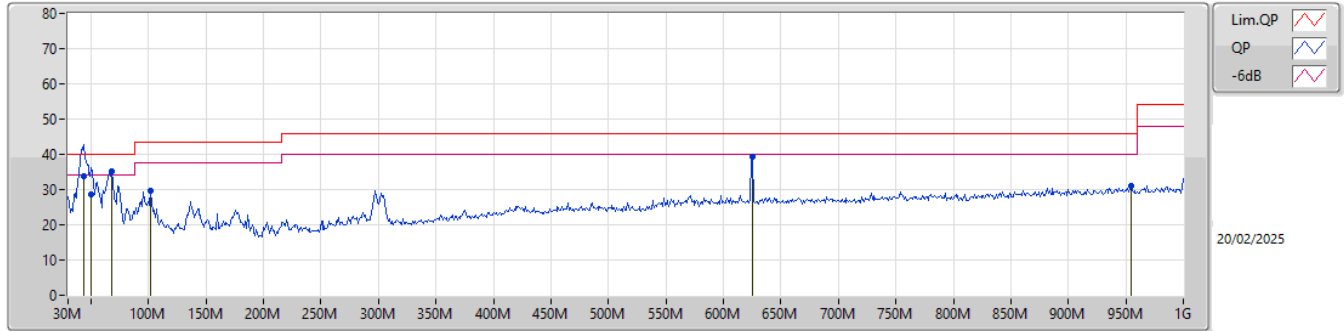
Radiated Emissions below 1GHz
(Parent Device / FCC ID: UDX-600216010)

Appendix E.1

Summary

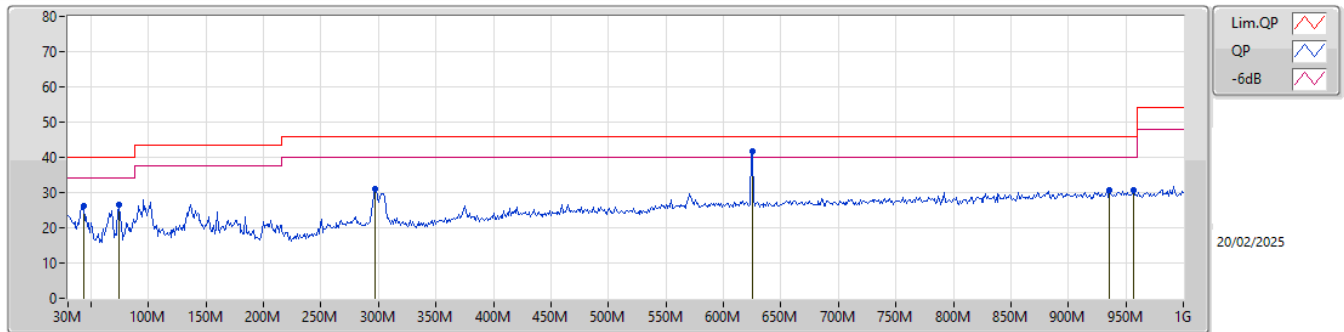
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 13	Pass	PK	625.58M	41.76	46.00	-4.24	Horizontal

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		



CSE Harmonic (1~8GHz)_R1
(Parent Device / FCC ID: UDX-600216010)

Appendix E.2

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



CSE Harmonic (1~8GHz)_R1
(Parent Device / FCC ID: UDX-600216010)

Appendix E.2

Result

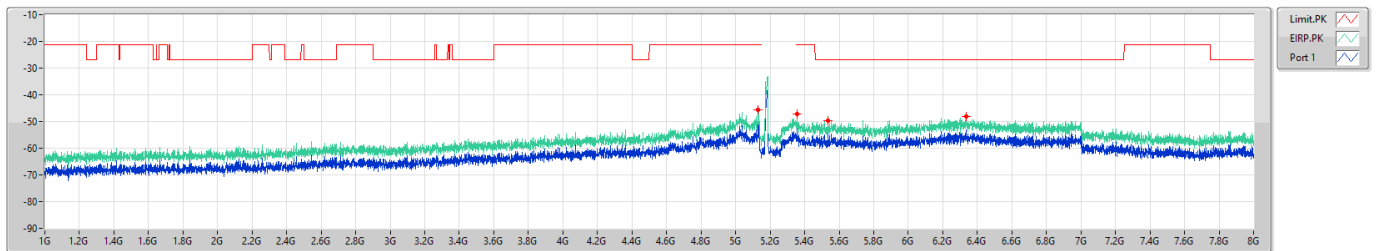
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11a_Nss1.(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	1G	8G	AV	5.03725G	4.90	-60.74	-60.74	-55.84	-41.20	-14.64
5180MHz	Pass	1G	8G	AV	5.35925G	4.90	-62.67	-62.67	-57.77	-41.20	-16.57
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

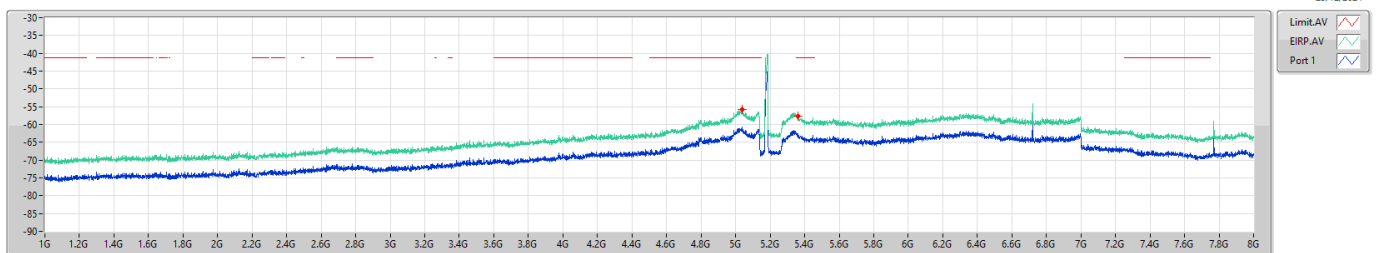


F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	PK	5.13G	-45.70	-21.20	-24.50	4.90	0.00	-50.60	-50.60
1G	8G	1M	PK	5.35575G	-47.29	-21.20	-26.09	4.90	0.00	-52.19	-52.19
1G	8G	1M	PK	5.53688G	-49.64	-27.00	-22.64	4.90	0.00	-54.54	-54.54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



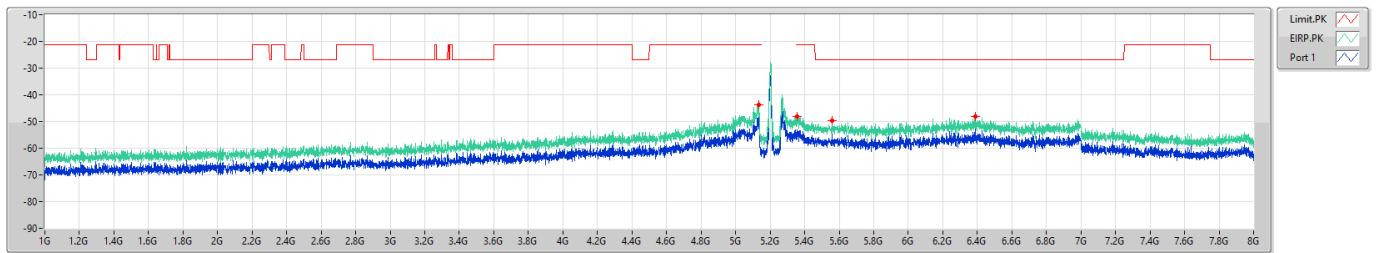
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	AV	5.03725G	-55.84	-41.20	-14.64	4.90	0.00	-60.74	-60.74
1G	8G	1M	AV	5.35925G	-57.77	-41.20	-16.57	4.90	0.00	-62.67	-62.67

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

CSE Other [PK]

5200MHz

25/12/2024



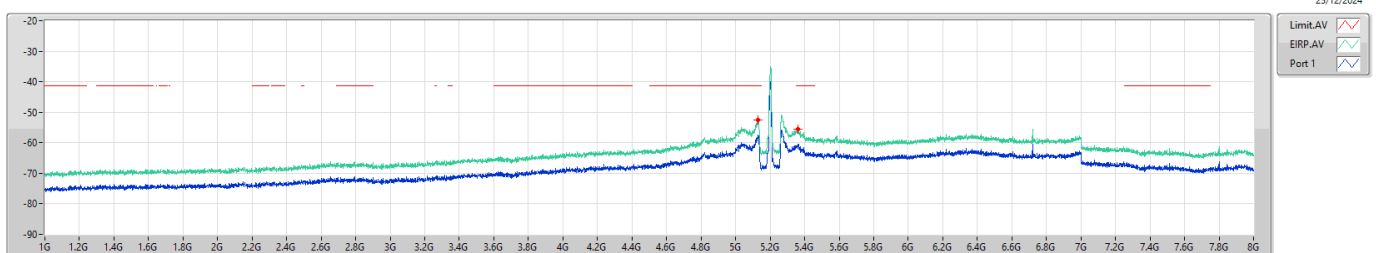
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	PK	5.1335G	-43.60	-21.20	-22.40	4.90	0.00	-48.50	-48.50
1G	8G	1M	PK	5.35488G	-48.09	-21.20	-26.89	4.90	0.00	-52.99	-52.99
1G	8G	1M	PK	5.55963G	-49.57	-27.00	-22.57	4.90	0.00	-54.47	-54.47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



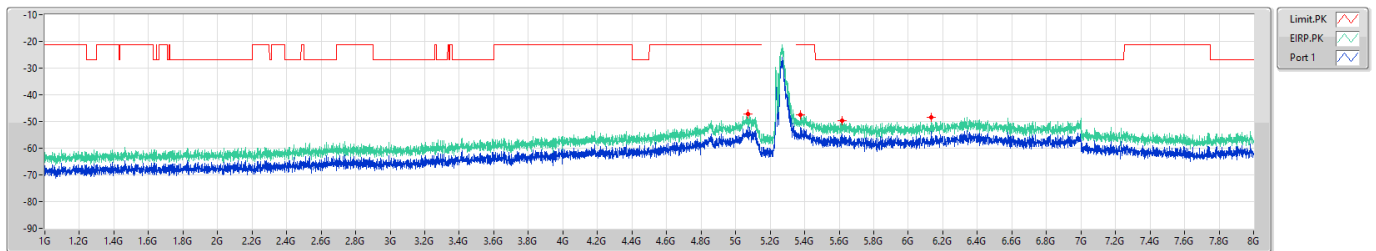
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	Ref(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	AV	5.12825G	-52.44	-41.20	-11.24	4.90	0.00	-57.34	-57.34
1G	8G	1M	AV	5.36013G	-55.64	-41.20	-14.44	4.90	0.00	-60.54	-60.54

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

CSE Other [PK]

5240MHz

25/12/2024



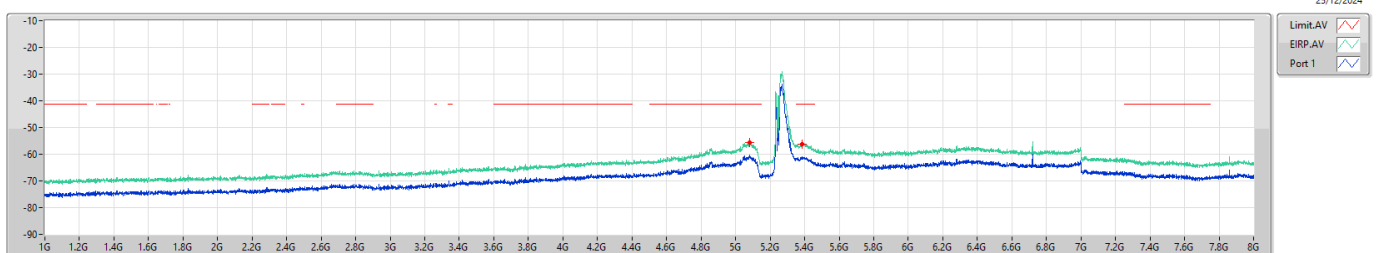
F-Start(Hz)	F-Stop(Hz)	RBW(Hz)	Type	Freq(Hz)	EIRP(dBm)	Limit(dBm)	Margin(dB)	DG(dB)	RefI(dB)	Psum(dBm)	P1(dBm)
1G	8G	1M	PK	5.07225G	-47.11	-21.20	-25.91	4.90	0.00	-52.01	-52.01
1G	8G	1M	PK	5.37588G	-47.38	-21.20	-26.18	4.90	0.00	-52.28	-52.28
1G	8G	1M	PK	5.61738G	-49.83	-27.00	-22.83	4.90	0.00	-54.73	-54.73
1G	8G	1M	PK	6.13538G	-48.40	-27.00	-21.40	4.90	0.00	-53.30	-53.30

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

CSE Other [AV]

5240MHz

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	5.08275G	-55.54	-41.20	-14.34	4.90	0.00	-60.44	-60.44
1G	8G	1M	AV	5.38288G	-56.17	-41.20	-14.97	4.90	0.00	-61.07	-61.07