



RADIO TEST REPORT

FCC ID : QXO-AP3020X
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP3020X
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina United States 27560
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 16, 2026, and testing was started from Jun. 23, 2026 and completed on Aug. 26, 2026. 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 C63.10-2020 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

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History of this test report

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Summary of Test Result

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

Conformity Assessment Condition:

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

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Sandy Chuang



1 General Description

1.1 Information

1.1.1 RF General Information

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

**For Radio 1**

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40-BF	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX
5.25-5.35GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX

**For Radio 2**

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40-BF	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX
5.15-5.35GHz	802.11 ac VHT160, 802.11 ax HEW160, 802.11 be EHT160	160	1, 2TX
	802.11 ac VHT160-BF, 802.11 ax HEW160-BF, 802.11 be EHT160-BF	160	2TX



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX
5.47-5.725GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX
	802.11 ac VHT160, 802.11 ax HEW160, 802.11 be EHT160	160	1, 2TX
	802.11 ac VHT160-BF, 802.11 ax HEW160-BF, 802.11 be EHT160-BF	160	2TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20, 802.11 be EHT20	20	1, 2TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF, 802.11 be EHT20-BF	20	2TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40, 802.11 be EHT40	40	1, 2TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF, 802.11 be EHT40	40	2TX
	802.11 ac VHT80, 802.11 ax HEW80, 802.11 be EHT80	80	1, 2TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF, 802.11 be EHT80-BF	80	2TX

MRU (puncturing)
For Multi_RU/Puncturing:

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

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

Note:

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

1.1.2 Worst case of MRU(puncturing) evaluation procedure

1. Complete test Full RU BE & PSD
2. Measure the PSD of each MRU(puncturing) by conducted method and it is less than the Full RU conducted PSD.
3. Measure the Band edge emission of each MRU(puncturing) by conducted method and find out the MRU(puncturing) worst case configuration.
4. Follow step 3 to find the worst MRU(puncturing) configuration and perform radiated BE/RSE testing
5. Confirm whether the worst MRU(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(puncturing) needs to be reduced.


1.1.3 Antenna Information

Ant.	RF Port				Brand Name	Model Name	Ant. Type	Connector	Modes of Operation	Remark	Gain (dBi)
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth and IEEE 802.15.4							
1	1	1	-	-	WNC	ML-2452-APA2-02	Dipole Omni	Reverse SMA	WLAN 2.4GHz (Radio 1), WLAN 5GHz UNII 2C~3 or UNII 1~3 (Radio 2)	External Ant.	Note 1
	2	2	-	-							
2	1 (V)	1 (V)	-	-	Extreme Networks	AIO-DD75060-RPSMA	Panel	Reverse SMA			
	2 (H)	2 (H)	-	-							
3	1 (V)	1 (V)	-	-	Extreme Networks	AIO-DD05120-RPSMA	Dual-Polarized Panel	Reverse SMA			
	2 (H)	2 (H)	-	-							
4	1 (V)	1 (V)	-	-	Extreme Networks	AIO-DD15020-RPSMA	MIMO-Directional Panel	Reverse SMA			
	2 (H)	2 (H)	-	-							
5	-	1	1	-	WNC	95XPAM15.G98	Dipole	I-Pex	WLAN 5GHz UNII 1~2A 、 WLAN 6GHz UNII 5~8 (Radio 1)	External Ant. (Non-detachable)	
6	-	2	2	-	WNC	95XPAM15.G99	Dipole	I-Pex			
7	-	-	-	1	WNC	95XPAM15.G97	PIFA	I-Pex	Bluetooth 、 IEEE 802.15.4 (Radio 3)	Internal Ant.	
8	-	-	-	1	WNC	95XPAM15.G95	Dipole	I-Pex			
9	-	-	-	1	WNC	95XPAM15.G96	PIFA	I-Pex			



Note 1:

Ant.	RF Port				Antenna Gain (dBi)											
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth and IEEE 802.15.4	WLAN 2.4GHz (Radio 1)	WLAN 5GHz UNII 1~3 (Radio 2)				WLAN 5GHz UNII 1~2A (Radio 1)		WLAN 6GHz UNII 5~8 (Radio 1)				Bluetooth and IEEE 802.15.4 (Radio 3)
						UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 5	UNII 6	UNII 7	UNII 8	
1	1	1	-	-	3.04	4.3	4.07	4.96	4.96	-	-	-	-	-	-	-
	2	2	-	-	3.04	4.3	4.07	4.96	4.96							
2	1 (V)	1 (V)	-	-	7.5	7.5	7.5	7.5	7.5	-	-	-	-	-	-	-
	2 (H)	2 (H)	-	-	7.5	7.5	7.5	7.5	7.5							
3	1 (V)	1 (V)	-	-	5.5	5	5	5	5	-	-	-	-	-	-	-
	2 (H)	2 (H)	-	-	5.5	5	5	5	5							
4	1 (V)	1 (V)	-	-	12	15	15	15	15	-	-	-	-	-	-	-
	2 (H)	2 (H)	-	-	12	15	15	15	15							
5	-	1	1	-	-	-	-	-	-	4.47	4.47	5.3	5.3	5.3	5.3	-
6	-	2	2	-	-	-	-	-	-	4.51	4.51	5.9	5.9	5.9	5.9	-
7	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3.21
8	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	5.81
9	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	3.28

Ant.	RF Port		Antenna Cable Loss (dB)				
	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz (Radio 1)	WLAN 5GHz UNII 1~3 (Radio 2)			
				UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	1	0.79	1.2	1.2	1.2	1.2
	2	2	0.33	0.5	0.5	0.5	0.5
2	1 (V)	1 (V)	0.79	1.2	1.2	1.2	1.2
	2 (H)	2 (H)	0.33	0.5	0.5	0.5	0.5
3	1 (V)	1 (V)	0.79	1.2	1.2	1.2	1.2
	2 (H)	2 (H)	0.33	0.5	0.5	0.5	0.5
4	1 (V)	1 (V)	0.79	1.2	1.2	1.2	1.2
	2 (H)	2 (H)	0.33	0.5	0.5	0.5	0.5



Ant.	RF Port		Antenna True Gain (dBi)				
	WLAN 2.4GHz	WLAN 5GHz	WLAN 2.4GHz (Radio 1)	WLAN 5GHz UNII 1~3 (Radio 2)			
				UNII 1	UNII 2A	UNII 2C	UNII 3
1	1	1	2.25	3.1	2.87	3.76	3.76
	2	2	2.71	3.8	3.57	4.46	4.46
2	1 (V)	1 (V)	6.71	6.3	6.3	6.3	6.3
	2 (H)	2 (H)	7.17	7	7	7	7
3	1 (V)	1 (V)	4.71	3.8	3.8	3.8	3.8
	2 (H)	2 (H)	5.17	4.5	4.5	4.5	4.5
4	1 (V)	1 (V)	11.21	13.8	13.8	13.8	13.8
	2 (H)	2 (H)	11.67	14.5	14.5	14.5	14.5

Note 2: The above information was declared by manufacturer.

Note 3: For WLAN 2.4GHz (Radio 1) and WLAN 5GHz (Radio 2): Only the highest gain antenna “Ant.1, Ant. 2 and Ant. 4” was selected to perform the test and recorded in this report.

Note 4: For WLAN 5GHz and 6GHz (Radio 1): Ant.5+Ant.6 were selected to perform the test and recorded in this report.

Note 5: States antenna 5GHz and 6GHz transmission will be restricted per country's regulation.

Note 6: Directional gain information

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

Ex.

Directional Gain (NSS1) formula :

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

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

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

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2))^2 / N_{ANT}] \Rightarrow 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$$

Where ;

**<Radio 1>**

2.4G

Ant. 1

2.4G G1= 2.25 dBi ; G2= 2.71 dBi ;

2T1S DG= 5.49dBi ; 2T2S DG= 2.49dBi

Ant. 2 (Cross-Polarized Antenna)

2.4G G1= 6.71 dBi ; G2= 7.17 dBi ;

2T1S DG= 7.17dBi ; 2T2S DG= 6.95dBi

Ant. 4 (Cross-Polarized Antenna)

2.4G G1= 11.21 dBi ; G2= 11.67 dBi ;

2T1S DG= 11.67dBi ; 2T2S DG= 11.45dBi

5G

5G UNII-1 G1= 4.47 dBi ; G2= 4.51 dBi ;

2T1S DG= 7.5dBi ; 2T2S DG= 4.49dBi

5G UNII-2A G1= 4.47 dBi ; G2= 4.51 dBi ;

2T1S DG= 7.5dBi ; 2T2S DG= 4.49dBi

6G

6G UNII-5 G1= 5.3 dBi ; G2= 5.9 dBi ;

2T1S DG= 8.62dBi ; 2T2S DG= 5.61dBi

6G UNII-6 G1= 5.3 dBi ; G2= 5.9 dBi ;

2T1S DG= 8.62dBi ; 2T2S DG= 5.61dBi

6G UNII-8 G1= 5.3 dBi ; G2= 5.9 dBi ;

2T1S DG= 8.62dBi ; 2T2S DG= 5.61dBi

<Radio 2>

5G

Ant. 1

5G UNII-1 G1= 3.1 dBi ; G2= 3.8 dBi ;

2T1S DG= 6.47dBi ; 2T2S DG= 3.46dBi

5G UNII-2A G1= 2.87 dBi ; G2= 3.57 dBi ;

2T1S DG= 6.24dBi ; 2T2S DG= 3.23dBi

5G UNII-2C G1= 3.76 dBi ; G2= 4.46 dBi ;

2T1S DG= 7.13dBi ; 2T2S DG= 4.12dBi

5G UNII-3 G1= 3.76 dBi ; G2= 4.46 dBi ;

2T1S DG= 7.13dBi ; 2T2S DG= 4.12dBi

Ant. 2 (Cross-Polarized Antenna)

5G UNII-1 G1= 6.3 dBi ; G2= 7 dBi ;

2T1S DG= 7 dBi ; 2T2S DG= 6.66dBi

5G UNII-2A G1= 6.3 dBi ; G2= 7 dBi ;

2T1S DG= 7 dBi ; 2T2S DG= 6.66dBi

5G UNII-2C G1= 6.3 dBi ; G2= 7 dBi ;

2T1S DG= 7 dBi ; 2T2S DG= 6.66dBi

5G UNII-3 G1= 6.3 dBi ; G2= 7 dBi ;

2T1S DG= 7 dBi ; 2T2S DG= 6.66dBi

Ant. 4 (Cross-Polarized Antenna)

5G UNII-1 G1= 13.8 dBi ; G2= 14.5 dBi ;

DG= 17.17dBi ; 2T2S DG= 14.16dBi

5G UNII-2A G1= 13.8 dBi ; G2= 14.5 dBi ;

DG= 17.17dBi ; 2T2S DG= 14.16dBi

5G UNII-2C G1= 13.8 dBi ; G2= 14.5 dBi ;

DG= 17.17dBi ; 2T2S DG= 14.16dBi

5G UNII-3 G1= 13.8 dBi ; G2= 14.5 dBi ;

DG= 17.17dBi ; 2T2S DG= 14.16dBi

For Radio 1:
2.4GHz IEEE 802.11b/g/n/VHT/ax/be mode (1, 2TX/2RX)

The EUT can support both 1TX and 2TX functions.

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX/2RX

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

5GHz IEEE 802.11a/n/ac/ax/be mode (1, 2TX/2RX)

The EUT can support both 1TX and 2TX functions.

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX/2RX

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

6GHz IEEE 802.11ax/be mode (1, 2TX/2RX)

The EUT can support both 1TX and 2TX functions.

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX/2RX

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 2:
5GHz IEEE 802.11a/n/ac/ax/be mode (1, 2TX/2RX)

The EUT can support both 1TX and 2TX functions.

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX/2RX

Port 1 and Port 2 can be used as transmitting/receiving antenna.

Port 1 and Port 2 could transmit/receive simultaneously.

For Radio 3:
Bluetooth, IEEE 802.15.4 mode (1TX/1RX)

The EUT supports all antennas with TX/RX diversity functions.

At once time there is only one antenna port can transmitting/receiving RF signal

1.1.4 Mode Test Duty Cycle

For Full RU
EUT+R1+Ant.5、6

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss1,(6Mbps)	0.538	2.69	130u	10k
802.11be EHT20_Nss1,(MCS0)	0.904	0.44	323.75u	10k
802.11be EHT40_Nss1,(MCS0)	0.898	0.47	305u	10k
802.11be EHT40_Nss1,(MCS0)	0.898	0.47	305u	10k
802.11be EHT80_Nss1,(MCS0)	0.897	0.47	296.25u	10k
802.11be EHT80_Nss1,(MCS0)	0.897	0.47	296.25u	10k
802.11be EHT20_Nss2,(MCS0)	0.901	0.45	312.5u	10k
802.11be EHT40_Nss2,(MCS0)	0.9	0.46	307.5u	10k
802.11be EHT80_Nss2,(MCS0)	0.9	0.46	298.75u	10k
802.11be EHT20-BF_Nss1,(MCS0)	0.904	0.44	323.75u	10k
802.11be EHT40-BF_Nss1,(MCS0)	0.902	0.45	305u	10k
802.11be EHT80-BF_Nss1,(MCS0)	0.896	0.48	296.25u	10k

**EUT+R2+Ant.1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.545	2.64	131.25u	10k
802.11be EHT20_Nss 1,(M0)	0.902	0.45	322.188u	5k
802.11be EHT40_Nss 1,(M0)	0.903	0.44	306.25u	5k
802.11be EHT80_Nss 1,(M0)	0.9	0.46	296.25u	5k
802.11be EHT160_Nss 1,(M0)	0.897	0.47	292.5u	5k
802.11be EHT20_Nss 2,(M0)	0.906	0.43	315.625u	5k
802.11be EHT40_Nss 2,(M0)	0.907	0.42	309.375u	5k
802.11be EHT80_Nss 2,(M0)	0.904	0.44	303.125u	5k
802.11be EHT160_Nss 2,(M0)	0.903	0.44	296.875u	5k
802.11be EHT20-BF_Nss 1,(M0)	0.902	0.45	322.188u	5k
802.11be EHT40-BF_Nss 1,(M0)	0.903	0.44	306.25u	5k
802.11be EHT80-BF_Nss 1,(M0)	0.9	0.46	296.25u	5k
802.11be EHT160-BF_Nss 1,(M0)	0.897	0.47	292.5u	5k

EUT+R2+Ant.2

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.545	2.64	131.25u	10k
802.11be EHT20_Nss 1,(M0)	0.902	0.45	322.188u	5k
802.11be EHT40_Nss 1,(M0)	0.903	0.44	306.25u	5k
802.11be EHT80_Nss 1,(M0)	0.9	0.46	296.25u	5k
802.11be EHT160_Nss 1,(M0)	0.897	0.47	292.5u	5k
802.11be EHT20_Nss 2,(M0)	0.906	0.43	315.625u	5k
802.11be EHT40_Nss 2,(M0)	0.907	0.42	309.375u	5k
802.11be EHT80_Nss 2,(M0)	0.904	0.44	303.125u	5k
802.11be EHT160_Nss 2,(M0)	0.903	0.44	296.875u	5k
802.11be EHT20-BF_Nss 1,(M0)	0.902	0.45	322.188u	5k
802.11be EHT40-BF_Nss 1,(M0)	0.903	0.44	306.25u	5k
802.11be EHT80-BF_Nss 1,(M0)	0.9	0.46	296.25u	5k
802.11be EHT160-BF_Nss 1,(M0)	0.897	0.47	292.5u	5k

EUT+R2+Ant.4

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.536	2.71	128.75u	10k
802.11be EHT20_Nss 1,(M0)	0.903	0.44	322.5u	5k
802.11be EHT40_Nss 1,(M0)	0.899	0.46	305u	5k
802.11be EHT80_Nss 1,(M0)	0.894	0.49	295u	5k
802.11be EHT160_Nss 1,(M0)	0.894	0.49	290.938u	5k
802.11be EHT20_Nss 2,(M0)	0.898	0.47	311.875u	5k
802.11be EHT40_Nss 2,(M0)	0.898	0.47	305.938u	5k
802.11be EHT80_Nss 2,(M0)	0.897	0.47	298.125u	5k
802.11be EHT160_Nss 2,(M0)	0.894	0.49	294.062u	5k
802.11be EHT20-BF_Nss 1,(M0)	0.903	0.44	322.5u	5k
802.11be EHT40-BF_Nss 1,(M0)	0.899	0.46	305u	5k
802.11be EHT80-BF_Nss 1,(M0)	0.894	0.49	295u	5k
802.11be EHT160-BF_Nss 1,(M0)	0.894	0.49	290.938u	5k

**For Multi_RU/Puncturing
EUT+R1+Ant.5、6_Multi_RU/Puncturing**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.97	0.13	1.003m	1k

EUT+R2+Ant.1_Multi_RU/Puncturing

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.97	0.13	998.75u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484+RU242	0.97	0.13	999.063u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484	0.97	0.13	998.75u	2k

EUT+R2+Ant.2_Multi_RU/Puncturing

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.97	0.13	998.75u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484+RU242	0.97	0.13	999.063u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484	0.97	0.13	998.75u	2k

EUT+R2+Ant.4_Multi_RU/Puncturing

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11be EHT80_Nss 1,(M0),RU484+RU242	0.97	0.13	998.75u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484+RU242	0.97	0.13	999.063u	2k
802.11be EHT160_Nss 1,(M0),RU996+RU484	0.97	0.13	998.75u	2k

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 Radio 1 (n/VHT/ax/be in 2.4GHz, n/ac/ax/be in 5GHz and ax/be in 6GHz) and Radio 2 (n/ac/ax/be n/ac/ax/be in 5GHz).		
Weather Band	☒	With 5600~5650MHz	☐ Without 5600~5650MHz
Function	☐	Outdoor P2M	☒ Indoor P2M
	☐	Fixed P2P	☐ Client
	☒	Point-to-multipoint	☐ Point-to-point
TPC Function	☒	With TPC	☐ Without TPC
Channel Puncturing Function	☒	Supported	
	☐	Unsupported	
Support RU	☒	Full RU	☒ Partial RU
Test Software Version	Mtool_3.3.0.9		

Note: The above information was declared by manufacturer.

1.1.6 Table for Radio Function

Function Radio (R)	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	IEEE 802.15.4
1	V	V (UNII 1~2A)	V	-	-
2	-	V (UNII 1~3 or UNII 2C~3)	-	-	-
3	-	-	-	V	V

Note 1: For WLAN 5GHz: The Radio1 and Radio 2 can't operate at the same frequency simultaneously.

Note 2: The above information was declared by manufacturer.

1.1.7 Table for EUT Support Function

Type of Function	WLAN 2.4GHz	WLAN 5GHz		WLAN 6GHz
		Radio 1	Radio 2	
AP	V	V (UNII 1~2A)	V (UNII 1~3)	V
Bridge	V	V (UNII 1)	V (UNII 1/UNII3)	V
Mesh	V	V (UNII 1)	V (UNII 1/UNII3)	V

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

Note 2: 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 C63.10-2020
- ♦ FCC KDB 789033 v02r01

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (Other tests)	TH01-CB	Serway Lee	21.7~22.3 / 61~62	Jul. 06, 2026~ Aug. 20, 2026
Radiated below 1GHz	03CH01-CB	Sean Ku	24.3~24.5 / 67~69	Jun. 23, 2026~ Aug. 26, 2026
	03CH05-CB	Lex Lee	24.2~24.9 / 62~67	
Radiated above 1GHz (MRU_R1: Ant. 1)	03CH01-CB	Sean Ku	24.2~24.6 / 58~62	
Radiated above 1GHz (MRU_R2: Ant. 1)	03CH01-CB	Sean Ku	23.8~24.6 / 55~58	
Radiated above 1GHz (R1: Ant. 1)	03CH03-CB	George Fan	23.8~24.5 / 62~65	
	03CH06-CB	Jimmy Huang	23.8~24.4 / 58~60	
Radiated above 1GHz (R2: Ant. 1)	03CH01-CB	Sean Ku	23.6~24.0 / 56~64	
	03CH03-CB	George Fan	23.9~24.8 / 55~58	
	03CH06-CB	Jimmy Huang	23.7~23.8 / 55~68	
Radiated above 1GHz (MRU: R2_Ant. 2)	03CH01-CB	Sean Ku	24.2~24.8 / 67~69	
Radiated above 1GHz (R2: Ant. 2)	03CH02-CB	Paul Hu	24.2~24.6 / 60~68	
Radiated above 1GHz (MRU_R2: Ant. 4)	03CH01-CB	Sean Ku	24.6~24.7 / 64~65	



Radiated above 1GHz (R2: Ant. 4)	03CH01-CB	Sean Ku	23.8~24.1 / 63~65	
	03CH02-CB	Paul Hu	24.0~24.1 / 59~62	
Radiated (Co-location: Ant. 1)	03CH03-CB	George Fan	24.0~24.8 / 57~58	
Radiated (Co-location: Ant. 2)	03CH03-CB	George Fan	23.6~23.7 / 57~59	
Radiated (Co-location: Ant. 4)	03CH03-CB	George Fan	24.8~25.0 / 68~69	
AC Conduction	CO01-CB	Joe Chu	22~23 / 55~56	Aug. 13, 2026

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.7 dB	Confidence levels of 95%
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%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Full RU
EUT+R1+Ant.5、6

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
5290MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
802.11be EHT80_Nss1,(MCS0)_2TX



5210MHz
5290MHz
802.11be EHT20_Nss2,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT40_Nss2,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
802.11be EHT80_Nss2,(MCS0)_2TX
5210MHz
5290MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
802.11be EHT40-BF_Nss1,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
802.11be EHT80-BF_Nss1,(MCS0)_2TX
5210MHz
5290MHz

**EUT+R2+Ant.1**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz



5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz



5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20_Nss2,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss2,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss2,(MCS0)_2TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss2,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX



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

**EUT+R2+Ant.2**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz



5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz



5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20_Nss2,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss2,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss2,(MCS0)_2TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss2,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX



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

**EUT+R2+Ant.4**

Mode
802.11a_Nss1,(6Mbps)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_1TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_1TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_1TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz



5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_1TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11a_Nss1,(6Mbps)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT20_Nss1,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss1,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss1,(MCS0)_2TX
5210MHz



5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss1,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20_Nss2,(MCS0)_2TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11be EHT40_Nss2,(MCS0)_2TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11be EHT80_Nss2,(MCS0)_2TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11be EHT160_Nss2,(MCS0)_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11be EHT20-BF_Nss1,(MCS0)_2TX



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

**For Multi_RU/Puncturing
EUT+R1+Ant.5、6_Multi_RU/Puncturing**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 2_2TX
5290MHz

EUT+R2+Ant.1_Multi_RU/Puncturing

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 5_2TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_2TX
5570MHz

**EUT+R2+Ant.2_Multi_RU/Puncturing**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 5_2TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_2TX
5570MHz

**EUT+R2+Ant.4_Multi_RU/Puncturing**

Mode
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5210MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5290MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5530MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5610MHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5690MHz Straddle 5.47-5.725GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 1_2TX
5690MHz Straddle 5.725-5.85GHz
802.11be EHT80_Nss1,(MCS0),RU484+RU242 MRU 3_2TX
5775MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_2TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX
5250MHz Straddle 5.15-5.25GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 3_2TX
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 2_2TX
5250MHz Straddle 5.25-5.35GHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484+RU242 MRU 5_2TX
5570MHz
802.11be EHT160_Nss1,(MCS0),RU996+RU484 MRU 3_2TX
5570MHz

Note:

- ♦ Evaluated EHT20/EHT40/EHT80/EHT160 mode only, due to similar modulation. The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160/HEW20/HEW40/HEW80/HEW160 mode are the same or lower than EHT20/EHT40/EHT80/EHT160.
- ♦ The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

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	EUT (Ant. 4 in Y axis)+R1 (2.4GHz)+R2 (5GHz full)+R3 (BT_Ant. 7)+PoE
2	EUT (Ant. 4 in Y axis)+R1 (2.4GHz)+R2 (5GHz full)+R3 (BT_Ant. 8)+PoE
3	EUT (Ant. 4 in Y axis)+R1 (2.4GHz)+R2 (5GHz full)+R3 (BT_Ant. 9)+PoE
Mode 1 has been evaluated to be the worst case between Mode 1~3, thus measurement for Mode 4~5 will follow this same test mode.	
4	EUT (Ant. 4 in Y axis)+R1 (6GHz full)+R2 (5GHz full)+R3 (BT_Ant. 7)+PoE
5	EUT (Ant. 4 in Y axis)+R1 (5GHz UNII 1~2A)+R2 (5GHz UNII 2C~3)+R3 (BT_Ant. 7)+PoE
Mode 1 has been evaluated to be the worst case between Mode 1~5, thus measurement for Mode 6 will follow this same test mode.	
6	EUT (Ant. 4 in Y axis)+R1 (2.4GHz)+R2 (5GHz full)+R3 (IEEE 802.15.4_Ant. 7)+PoE
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power
Test Condition	Conducted measurement at transmit chains
1	EUT+R1+Ant.5、6
2	EUT+R2+Ant.1
3	EUT+R2+Ant.2
4	EUT+R2+Ant.4



The Worst Case Mode for Following Conformance Tests	
Tests Item	Power Spectral Density
Test Condition	Conducted measurement at transmit chains
1	EUT+R1+Ant.5 、 6
2	EUT+R2+Ant.1
3	EUT+R2+Ant.2
4	EUT+R2+Ant.4
5	EUT+R1+Ant.5 、 6_Multi_RU/Puncturing
6	EUT+R2+Ant.1_Multi_RU/Puncturing
7	EUT+R2+Ant.2_Multi_RU/Puncturing
8	EUT+R2+Ant.4_Multi_RU/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
	1. After evaluating, and the worst case axis was found as below for radiated above 1GHz test. So the measurement will follow this same test configuration. 2. For Radio 3: The EUT supports all antennas with TX/RX diversity functions. At once time there is only one antenna port can transmitting/receiving RF signal. The Ant. 8 generated the worst case for radiated above 1GHz test, so it was selected for testing.
1	EUT in Z axis_R1 (2.4GHz)+Ant. 1 in Y axis+PoE
2	EUT in Y axis_R1 (2.4GHz)+Ant. 2 in Y axis +PoE
3	EUT in Y axis_R1 (2.4GHz)+Ant. 4 in Y axis +PoE
4	EUT in Z axis_R1 (5GHz)+Ant. 5 、 6 in Y axis+PoE
5	EUT in Z axis_R1 (6GHz)+Ant. 5 、 6 in Y axis+PoE
6	EUT in Y axis_R2 (5GHz)+Ant. 1 in Y axis +PoE
7	EUT in Y axis_R2 (5GHz)+Ant. 2 in Y axis +PoE
8	EUT in Z axis_R2 (5GHz)+Ant. 4 in Y axis +PoE
9	EUT in Y axis_R3 (BT_Ant. 8)+PoE
10	EUT in Y axis_R3 (IEEE 802.15.4_Ant. 8)+PoE
For operating mode 3 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, and the worst case axis was found as below. So the measurement will follow this same test configuration.
1	EUT in Z axis+R1+Ant.5 、 6 in Y axis
2	EUT in Y axis+R2+Ant.1 in Y axis
3	EUT in Y axis+R2+Ant.2 in Y axis
4	EUT in Z axis+R2+Ant.4 in Y axis for bandedge / EUT in Y axis+Ant. 4 in Y axis for harmonic
5	EUT in Z axis+R1+Ant.5 、 6 in Y axis for bandedge / EUT in Y axis+Ant. 4 in Y axis for harmonic Multi_RU/Puncturing
6	EUT in Y axis+R2+Ant.1 in Y axis_Multi_RU/Puncturing
7	EUT in Y axis+R2+Ant.2 in Y axis_Multi_RU/Puncturing
8	EUT in Z axis+Ant.4 in Y axis_Multi_RU/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
	After evaluating, and the worst case axis was found as below. So the measurement will follow this same test configuration.
1	EUT in Y axis_R1: 2.4GHz+R2: 5GHz + Ant.1 in Y axis
2	EUT in Y axis_R1: 2.4GHz+R2: 5GHz + Ant.2 in Y axis
3	EUT in Y axis_R1: 2.4GHz+R2: 5GHz + Ant.4 in Y axis
For operating mode 3 is the worst case and it was record 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	
1	EUT_R1 (2.4GHz) + R2 (5GHz full) + R3 (BT)
2	EUT_R1 (2.4GHz) + R2 (5GHz full) + R3 (IEEE 802.15.4)
3	EUT_R1 (6GHz full) + R2 (5GHz full) + R3 (BT)
4	EUT_R1 (6GHz full) + R2 (5GHz full) + R3 (IEEE 802.15.4)
5	EUT_R1 (5GHz UNII 1~2A) + R2 (5GHz UNII 2C~3) + R3 (BT)
6	EUT_R1 (5GHz UNII 1~2A) + R2 (5GHz UNII 2C~3) + R3 (IEEE 802.15.4)
Refer to Sporton Test Report No.: FA631826 for Co-location RF Exposure Evaluation.	

Note1: R means Radio ; BT means Bluetooth.

Note2: The PoE is used for testing purpose; it will not be sold with the EUT

Power	Brand Name	Model Name
PoE 1	PHIHONG	POE60U-BTA
PoE 2	Microsemi	PD-9001GR/AT/AC

2.3 EUT Operation during Test

For CTX Mode:

The EUT was programmed to be in continuously transmitting mode.

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories
Bracket*1
Cap*1
Wall-mounted rack 1*1 (for Ant. 2 use only)
Wall-mounted rack 2*1 (for Ant. 4 use only)

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE 1	PHIHONG	POE60U-BTA	N/A
B	PC	ASUS	S300TA	TX2-RTL8821CE
C	R1(2.4G) NB	Lenovo	X260	N/A
D	R2(5G full) NB	Lenovo	X260	N/A
E	Smart phone	Apple	A2403	BCG-E3544A
F	Flash disk2.0	Tcell	Push	N/A

For Radiated:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 1	PHIHONG	POE60U-BTA	N/A

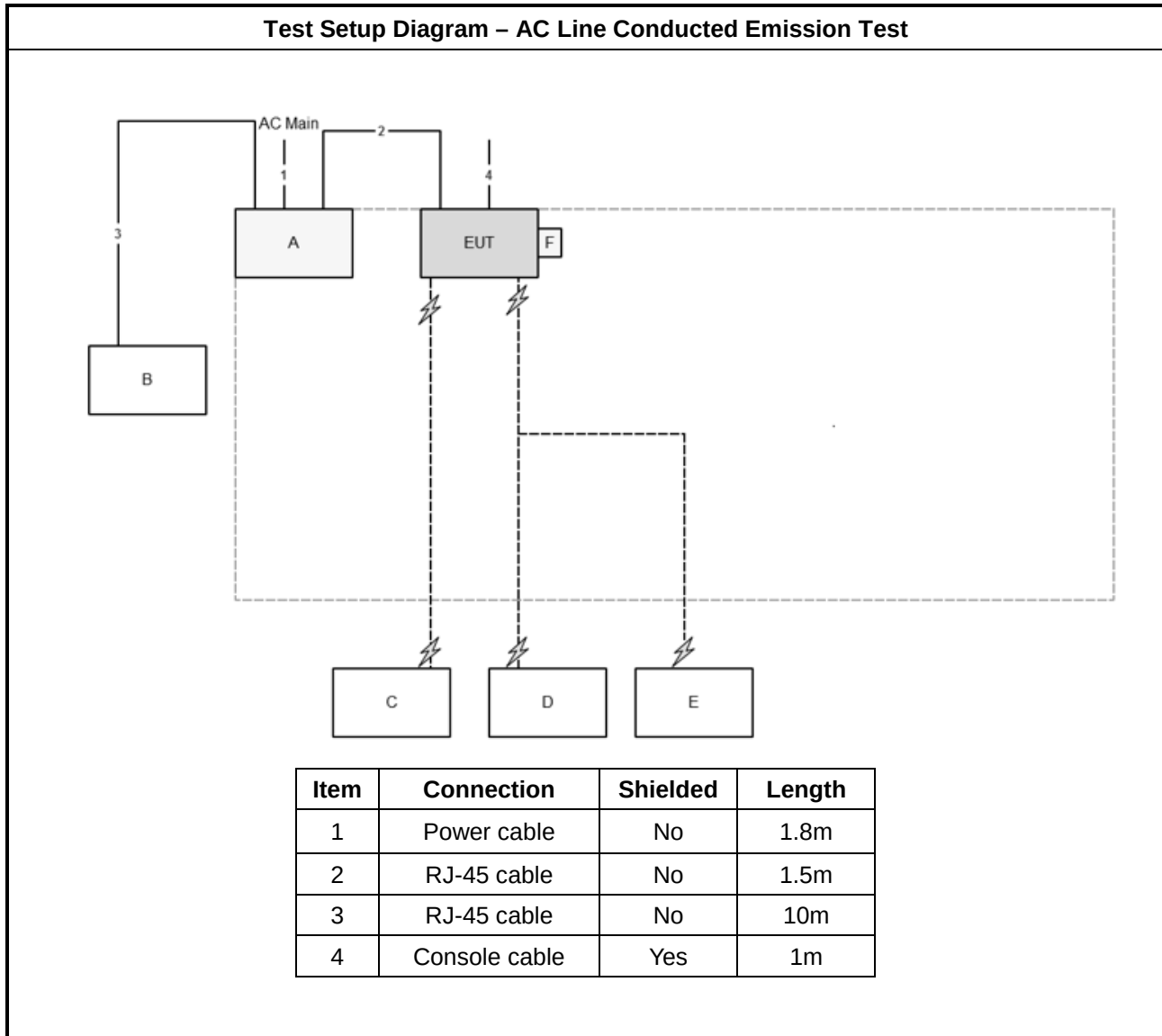
For RF Conducted (Other tests):

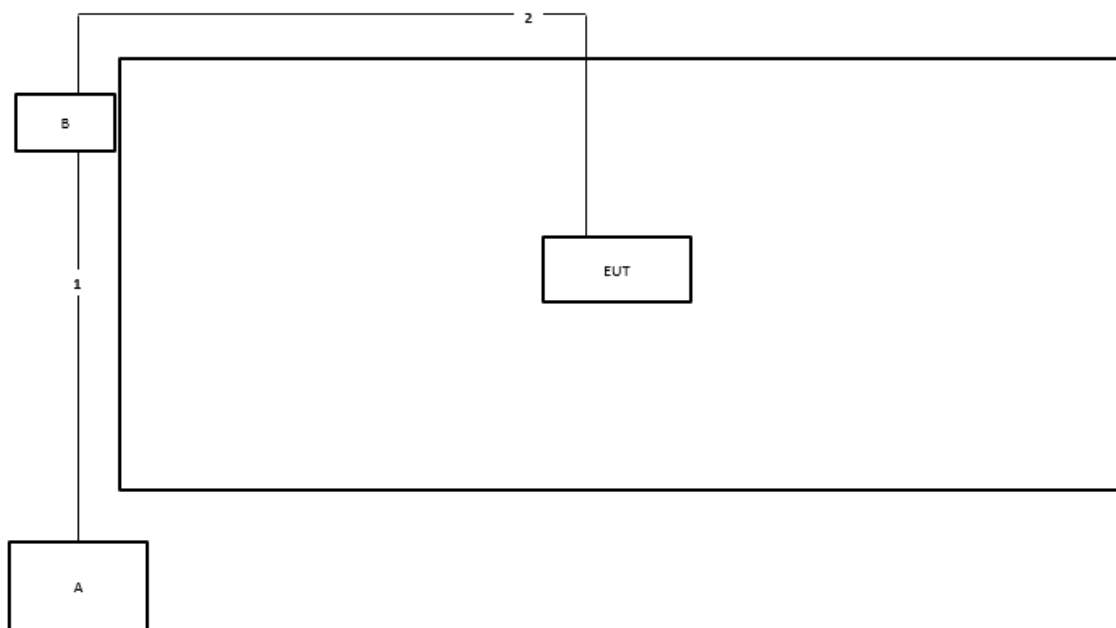
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E6230	N/A
B	PoE 2	Microsemi	PD-9001GR/AT/AC	N/A

**For Radiated (Co-location):**

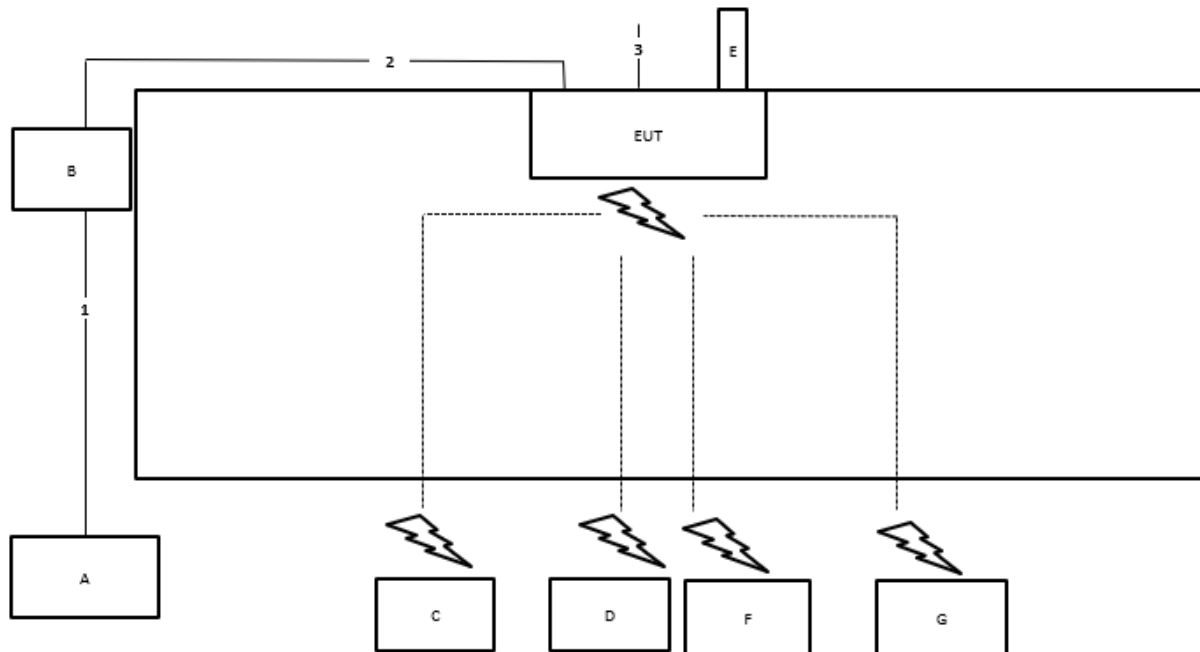
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PC	DELL	T3400	N/A
B	PoE 2	Microsemi	PD-9501-10GC/AC	N/A
C	GPS Simulator	WELNAVIGATE	GS-100	N/A
D	iPhone 12	Apple	A2403	BCG-E3544A
E	Flash disk	Silicon Power	I-Series	N/A
F	NB(2.4G WIFI)	DELL	E4300	N/A
G	NB(5G WIFI)	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test


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

Test Setup Diagram - Radiated Test (Co-location)


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

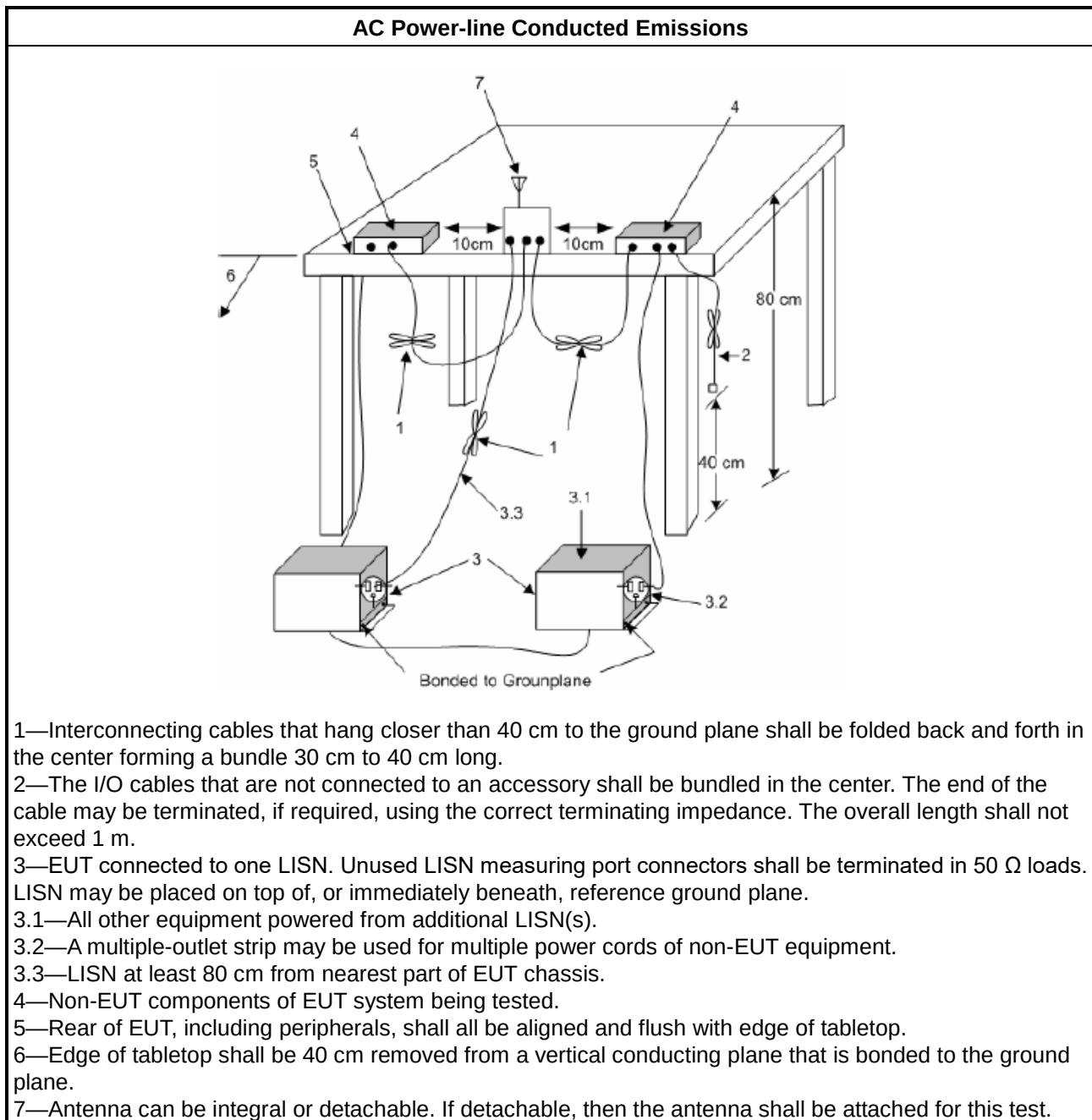
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, 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 5.47-5.725 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 $\geq 500\text{kHz}$.

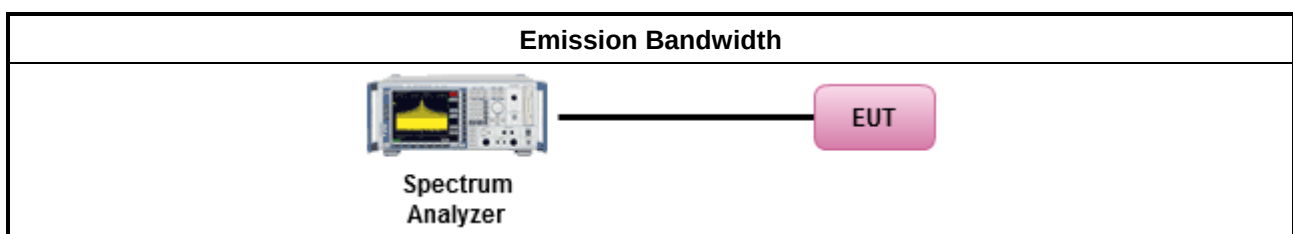
3.2.2 Measuring Instruments

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, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

Maximum Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band:	
	- For other devices: The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐ For the 5.25-5.35 GHz band:	
	- For other devices: The maximum conducted output power shall not exceed 250 mW or 11 + 10 log 10 B, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz - Vehicles devices: The maximum e.i.r.p. shall not exceed 30 mW or 1.76 + 10 log B, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. - Devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.
☐ For the 5.47-5.725 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.
	Equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.
☐ 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

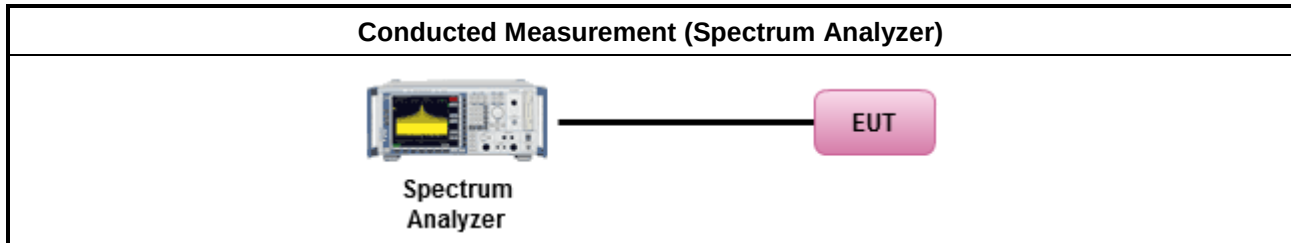
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

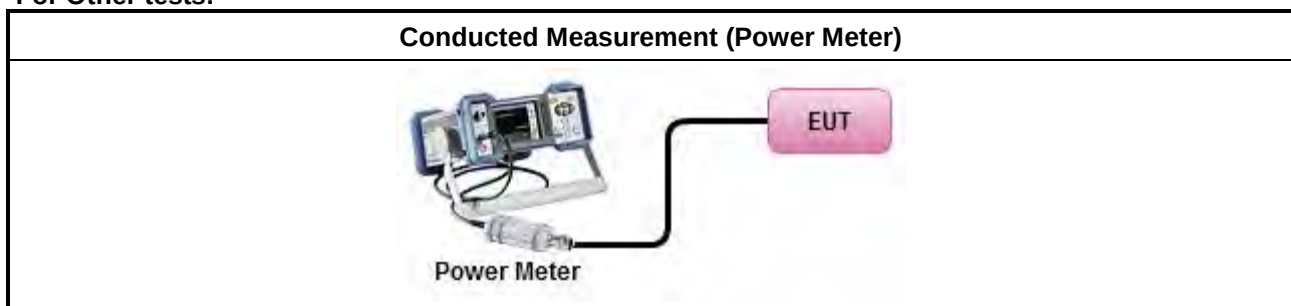
Test Method	
Maximum Output Power	
	Average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, clause E Method SA-2 (spectral trace averaging).
	☐ Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
	☒ Refer as FCC KDB 789033, 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 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

For Straddle channel:



For Other tests:



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	- Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$. - Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$. - Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	- Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
LE-LAN Devices	
☐ For the 5.15-5.25 GHz band, the e.i.r.p. peak power spectral density (PPSD) ≤ 10 dBm/MHz.	
☐ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz.	
	e.i.r.p. greater than 200 mW shall comply with the following e.i.r.p. at different elevations, where θ is the angle above the local horizontal plane (of the Earth) as shown below: -13 dBW/MHz for $0^\circ \leq \theta < 8^\circ$; -13 - 0.716 (θ-8) dBW/MHz for $8^\circ \leq \theta < 40^\circ$ -35.9 - 1.22 (θ-40) dBW/MHz for $40^\circ \leq \theta \leq 45^\circ$; -42 dBW/MHz for $\theta > 45^\circ$
☐ For the 5.47-5.725 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.	

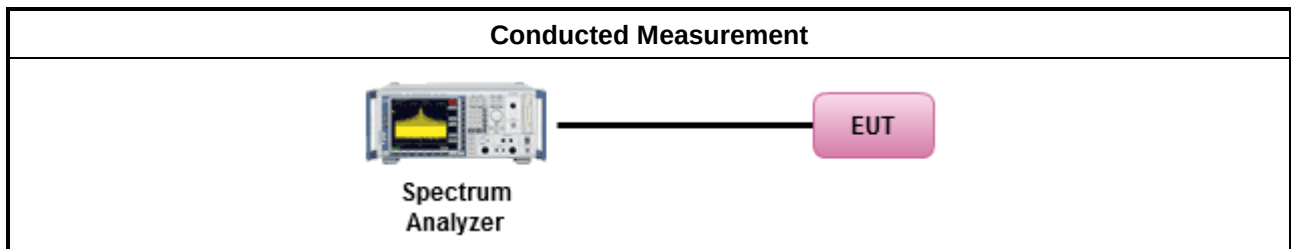
3.4.2 Measuring Instruments

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, 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, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033, 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, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	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 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).



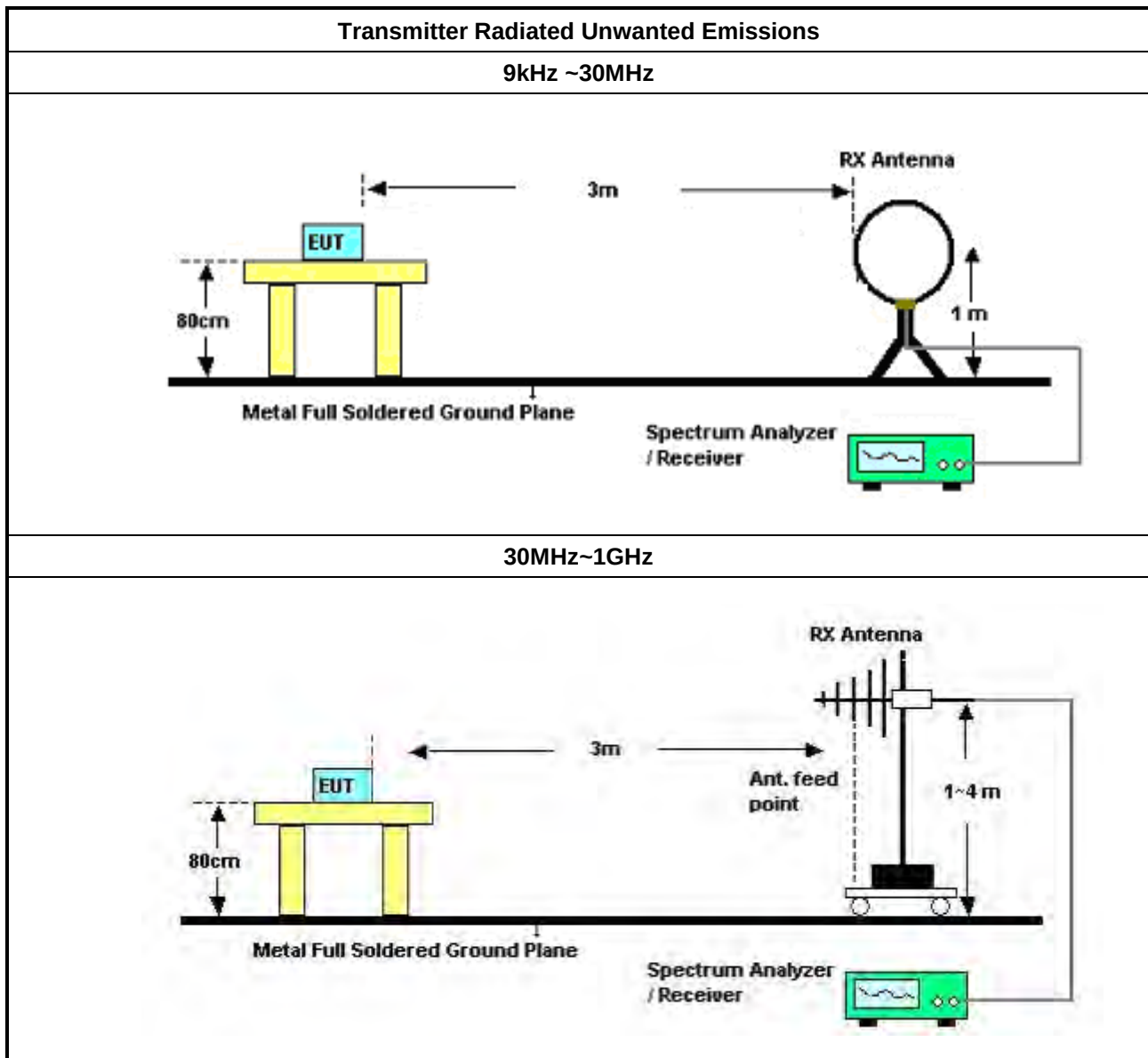
3.5.2 Measuring Instruments

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, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033, 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, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

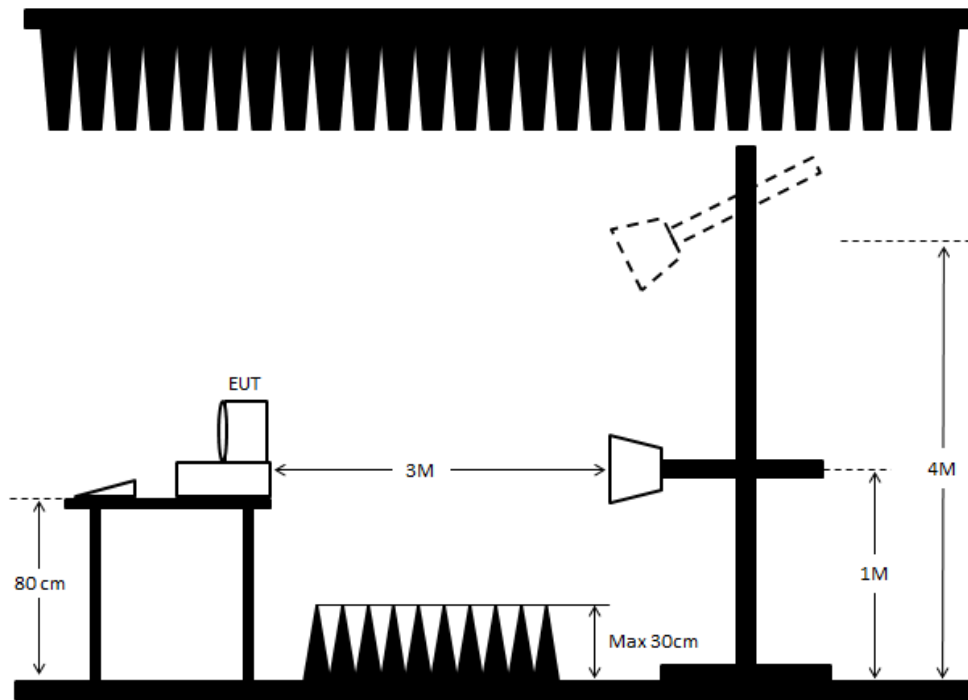
3.5.4 Test Setup



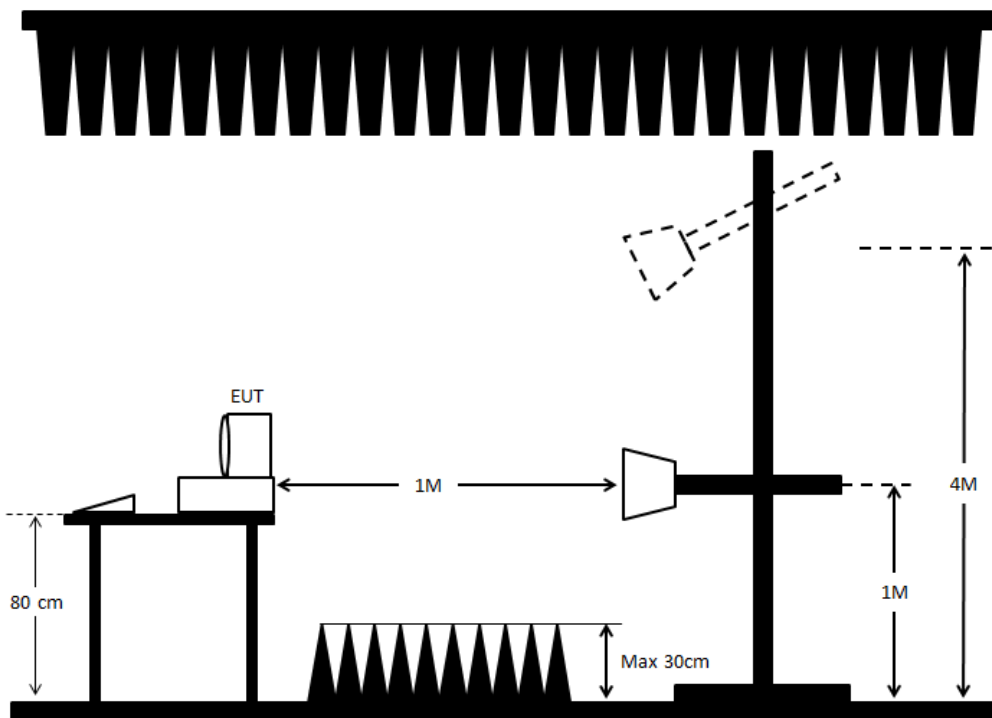
Above 1GHz

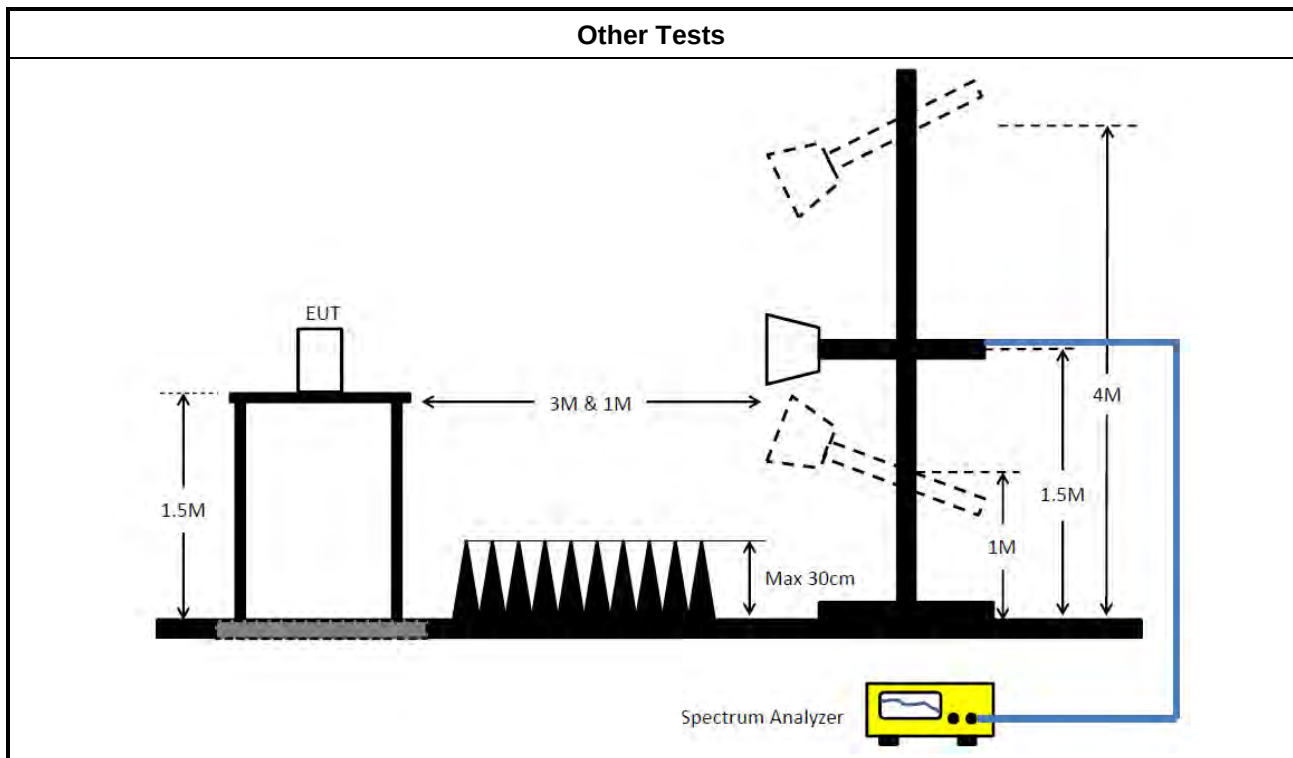
Co-location

1,000~18,000 MHz



18,000~40,000 MHz





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. 12, 2026	Mar. 11, 2027	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 04, 2026	Feb. 03, 2027	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 10, 2026	Apr. 09, 2027	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	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. 20, 2025	Oct. 19, 2026	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 15, 2026	Jan. 14, 2027	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 13, 2026	Feb. 12, 2027	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 20, 2026	Jun. 19, 2027	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2025	Dec. 11, 2026	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 29, 2025	Oct. 28, 2026	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 02, 2026	May 01, 2027	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Jul.29,2026	Jul. 28, 2027	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 15, 2026	May 14, 2027	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Jan. 26, 2026	Jan. 25, 2027	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Jul. 31, 2025	Jul. 30, 2026	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Jul. 30, 2026	Jul. 29, 2027	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 21, 2026	Mar. 20, 2027	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 30, 2026	Apr. 29, 2027	Radiation (03CH05-CB)
Signal Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	May 08, 2026	May 07, 2027	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 29, 2025	Oct. 28, 2026	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH05-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 21, 2026	Mar. 20, 2027	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 24, 2026	Apr. 23, 2027	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 24, 2026	Apr. 23, 2027	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH02-CB)
Pre-Amplifier	EM	EM01G18GA	60844	1 ~ 18GHz	Mar. 10, 2026	Mar. 09, 2027	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 27, 2026	Jun. 26, 2027	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Jun. 04, 2026	Jun. 03, 2027	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 18, 2026	Jun. 17, 2027	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 18, 2026	Jun. 17, 2027	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 01, 2026	Apr. 30, 2027	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Feb. 06, 2026	Feb. 05, 2027	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 27, 2026	Jun. 26, 2027	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jul. 17, 2025	Jul. 16, 2026	Radiation (03CH03-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Jun. 04, 2026	Jun. 03, 2027	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH06-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Nov. 05, 2025	Nov. 04, 2026	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 30, 2025	Jul. 29, 2026	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 29, 2026	Jul. 28, 2027	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 27, 2025	Aug. 26, 2026	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101903	9kHz ~ 40GHz	Jun. 30, 2026	Jun. 29, 2027	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
Power Sensor	Anritsu	MA2411B	1339408	300MHz~40GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
Power Meter	Anritsu	ML2495A	1517009	300MHz~40GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



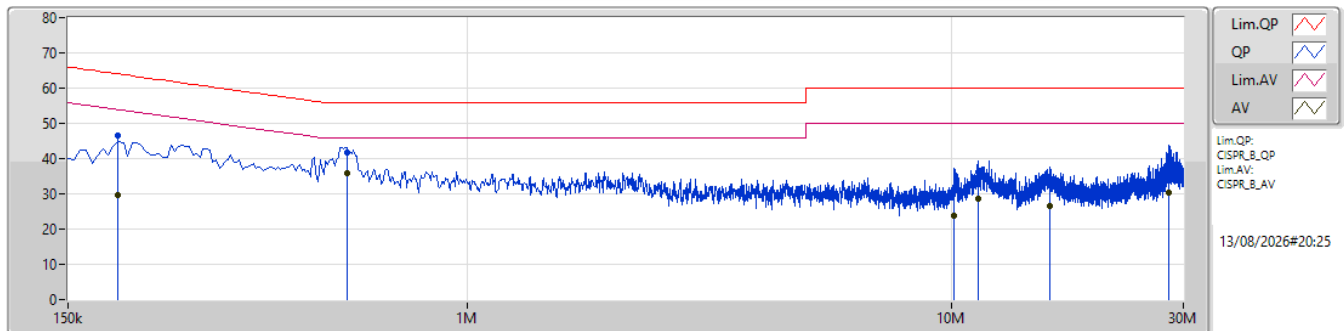
Conducted Emissions at Powerline

Appendix A

Summary

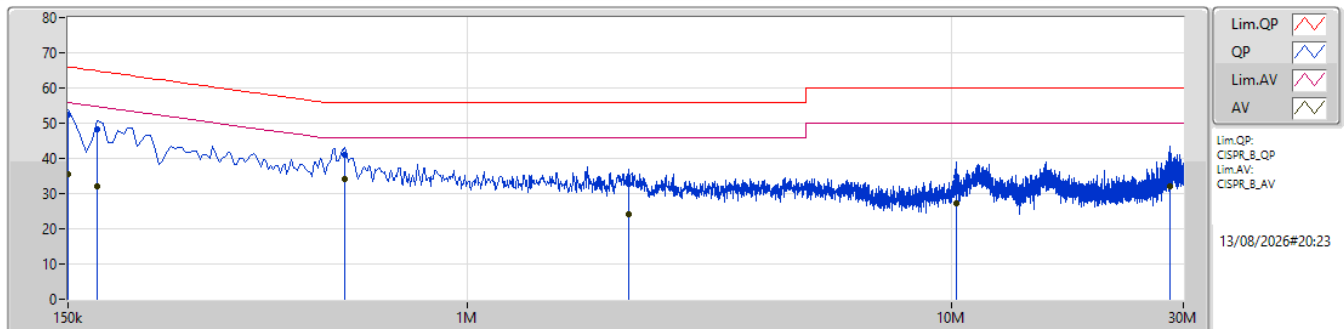
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	564k	35.78	46.00	-10.22	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	190.5k	46.54	64.01	-17.47	9.93	Line	-	36.61	0.08	0.07	9.78						
AV	190.5k	29.72	54.01	-24.29	9.93	Line	-	19.79	0.08	0.07	9.78						
QP	564k	41.79	56.00	-14.21	10.12	Line	-	31.67	0.09	0.13	9.90						
AV	564k	35.78	46.00	-10.22	10.12	Line	"Worst"	25.66	0.09	0.13	9.90						
QP	10.109M	31.28	60.00	-28.72	10.63	Line	-	20.65	0.24	0.27	10.12						
AV	10.109M	23.75	50.00	-26.25	10.63	Line	-	13.12	0.24	0.27	10.12						
QP	11.351M	36.23	60.00	-23.77	10.73	Line	-	25.50	0.25	0.30	10.18						
AV	11.351M	28.67	50.00	-21.33	10.73	Line	-	17.94	0.25	0.30	10.18						
QP	15.932M	33.62	60.00	-26.38	10.98	Line	-	22.64	0.27	0.36	10.35						
AV	15.932M	26.62	50.00	-23.38	10.98	Line	-	15.64	0.27	0.36	10.35						
QP	28.019M	39.60	60.00	-20.40	11.05	Line	-	28.55	0.33	0.40	10.32						
AV	28.019M	30.46	50.00	-19.54	11.05	Line	-	19.41	0.33	0.40	10.32						

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	52.29	66.00	-13.71	10.04	Neutral	-	42.25	0.06	0.10	9.88						
AV	150k	35.47	56.00	-20.53	10.04	Neutral	-	25.43	0.06	0.10	9.88						
QP	172.5k	48.40	64.83	-16.43	9.96	Neutral	-	38.44	0.06	0.08	9.82						
AV	172.5k	32.14	54.83	-22.69	9.96	Neutral	-	22.18	0.06	0.08	9.82						
QP	559.5k	41.05	56.00	-14.95	10.09	Neutral	-	30.96	0.06	0.13	9.90						
AV	559.5k	33.99	46.00	-12.01	10.09	Neutral	"Worst"	23.90	0.06	0.13	9.90						
QP	2.153M	32.92	56.00	-23.08	9.96	Neutral	-	22.96	0.08	0.14	9.74						
AV	2.153M	24.06	46.00	-21.94	9.96	Neutral	-	14.10	0.08	0.14	9.74						
QP	10.221M	34.81	60.00	-25.19	10.60	Neutral	-	24.21	0.21	0.27	10.12						
AV	10.221M	27.40	50.00	-22.60	10.60	Neutral	-	16.80	0.21	0.27	10.12						
QP	28.131M	38.55	60.00	-21.45	11.07	Neutral	-	27.48	0.35	0.40	10.32						
AV	28.131M	32.07	50.00	-17.93	11.07	Neutral	-	21.00	0.35	0.40	10.32						

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	37.18M	18.957M	19M0D1D	23.045M	16.979M
802.11a_Nss1,(6Mbps)_2TX	34.76M	18.61M	18M6D1D	21.505M	16.92M
802.11be EHT20_Nss1,(MCS0)_1TX	43.725M	19.518M	19M5D1D	24.585M	19.177M
802.11be EHT20_Nss1,(MCS0)_2TX	41.25M	19.69M	19M7D1D	25.905M	19.122M
802.11be EHT20_Nss2,(MCS0)_2TX	41.03M	19.647M	19M6D1D	23.375M	19.207M
802.11be EHT20-BF_Nss1,(MCS0)_2TX	41.25M	19.69M	19M7D1D	25.905M	19.122M
802.11be EHT40_Nss1,(MCS0)_1TX	52.47M	38.091M	38M1D1D	48.51M	37.875M
802.11be EHT40_Nss1,(MCS0)_2TX	49.83M	37.956M	38M0D1D	41.36M	37.941M
802.11be EHT40_Nss2,(MCS0)_2TX	45.54M	37.953M	38M0D1D	42.68M	37.931M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	49.83M	37.956M	38M0D1D	41.36M	37.941M
802.11be EHT80_Nss1,(MCS0)_1TX	89.1M	77.444M	77M4D1D	89.1M	77.444M
802.11be EHT80_Nss1,(MCS0)_2TX	90.86M	77.463M	77M5D1D	87.34M	77.446M
802.11be EHT80_Nss2,(MCS0)_2TX	87.34M	77.55M	77M6D1D	86.46M	77.457M
802.11be EHT80-BF_Nss1,(MCS0)_2TX	90.86M	77.463M	77M5D1D	87.34M	77.446M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	29.315M	17.324M	17M3D1D	22M	16.952M
802.11a_Nss1,(6Mbps)_2TX	21.89M	16.98M	17M0D1D	21.12M	16.821M
802.11be EHT20_Nss1,(MCS0)_1TX	37.785M	19.426M	19M4D1D	27.005M	19.164M
802.11be EHT20_Nss1,(MCS0)_2TX	27.005M	19.224M	19M2D1D	22.385M	19.121M
802.11be EHT20_Nss2,(MCS0)_2TX	26.07M	19.221M	19M2D1D	23.375M	19.15M
802.11be EHT20-BF_Nss1,(MCS0)_2TX	27.005M	19.224M	19M2D1D	22.385M	19.121M
802.11be EHT40_Nss1,(MCS0)_1TX	53.9M	38.073M	38M1D1D	47.63M	37.867M
802.11be EHT40_Nss1,(MCS0)_2TX	51.37M	37.971M	38M0D1D	42.46M	37.854M
802.11be EHT40_Nss2,(MCS0)_2TX	45.1M	37.988M	38M0D1D	41.8M	37.884M
802.11be EHT40-BF_Nss1,(MCS0)_2TX	51.37M	37.971M	38M0D1D	42.46M	37.854M
802.11be EHT80_Nss1,(MCS0)_1TX	98.12M	77.57M	77M6D1D	98.12M	77.57M
802.11be EHT80_Nss1,(MCS0)_2TX	102.52M	77.577M	77M6D1D	97.02M	77.437M
802.11be EHT80_Nss2,(MCS0)_2TX	87.34M	77.415M	77M4D1D	85.8M	77.396M
802.11be EHT80-BF_Nss1,(MCS0)_2TX	102.52M	77.577M	77M6D1D	97.02M	77.437M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	Inf	23.045M	16.979M		
5200MHz	Pass	Inf	29.26M	17.301M		
5240MHz	Pass	Inf	37.18M	18.957M		
5260MHz	Pass	Inf	29.315M	17.25M		
5300MHz	Pass	Inf	26.18M	17.324M		
5320MHz	Pass	Inf	22M	16.952M		
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5180MHz	Pass	Inf	24.585M	19.177M		
5200MHz	Pass	Inf	31.13M	19.22M		
5240MHz	Pass	Inf	43.725M	19.518M		
5260MHz	Pass	Inf	37.785M	19.426M		
5300MHz	Pass	Inf	34.375M	19.323M		
5320MHz	Pass	Inf	27.005M	19.164M		
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	Inf	48.51M	37.875M		
5230MHz	Pass	Inf	52.47M	38.091M		
5270MHz	Pass	Inf	53.9M	38.073M		
5310MHz	Pass	Inf	47.63M	37.867M		
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	Inf	89.1M	77.444M		
5290MHz	Pass	Inf	98.12M	77.57M		
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.495M	16.967M	21.505M	16.92M
5200MHz	Pass	Inf	27.995M	17.098M	29.095M	17.2M
5240MHz	Pass	Inf	34.76M	18.204M	34.595M	18.61M
5260MHz	Pass	Inf	21.67M	16.96M	21.12M	16.84M
5300MHz	Pass	Inf	21.67M	16.98M	21.45M	16.821M
5320MHz	Pass	Inf	21.89M	16.938M	21.285M	16.862M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	28.93M	19.222M	27.5M	19.176M
5200MHz	Pass	Inf	26.675M	19.122M	25.905M	19.21M
5240MHz	Pass	Inf	38.28M	19.392M	41.25M	19.69M
5260MHz	Pass	Inf	26.29M	19.159M	22.385M	19.209M
5300MHz	Pass	Inf	26.895M	19.121M	25.575M	19.224M
5320MHz	Pass	Inf	27.005M	19.202M	26.18M	19.214M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	47.63M	37.951M	49.83M	37.941M
5230MHz	Pass	Inf	46.75M	37.956M	41.36M	37.954M
5270MHz	Pass	Inf	44.99M	37.95M	42.46M	37.854M
5310MHz	Pass	Inf	47.52M	37.971M	51.37M	37.919M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	87.34M	77.446M	90.86M	77.463M
5290MHz	Pass	Inf	102.52M	77.577M	97.02M	77.437M
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	29.095M	19.226M	23.375M	19.207M
5200MHz	Pass	Inf	25.85M	19.217M	27.39M	19.235M
5240MHz	Pass	Inf	41.03M	19.469M	38.72M	19.647M
5260MHz	Pass	Inf	26.07M	19.177M	24.64M	19.216M
5300MHz	Pass	Inf	25.905M	19.15M	23.375M	19.19M
5320MHz	Pass	Inf	25.52M	19.221M	25.52M	19.212M
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	44.11M	37.944M	42.68M	37.937M
5230MHz	Pass	Inf	45.54M	37.953M	43.01M	37.931M
5270MHz	Pass	Inf	41.8M	37.884M	45.1M	37.934M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5310MHz	Pass	Inf	44M	37.988M	44.33M	37.908M
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	86.46M	77.457M	87.34M	77.55M
5290MHz	Pass	Inf	85.8M	77.396M	87.34M	77.415M

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

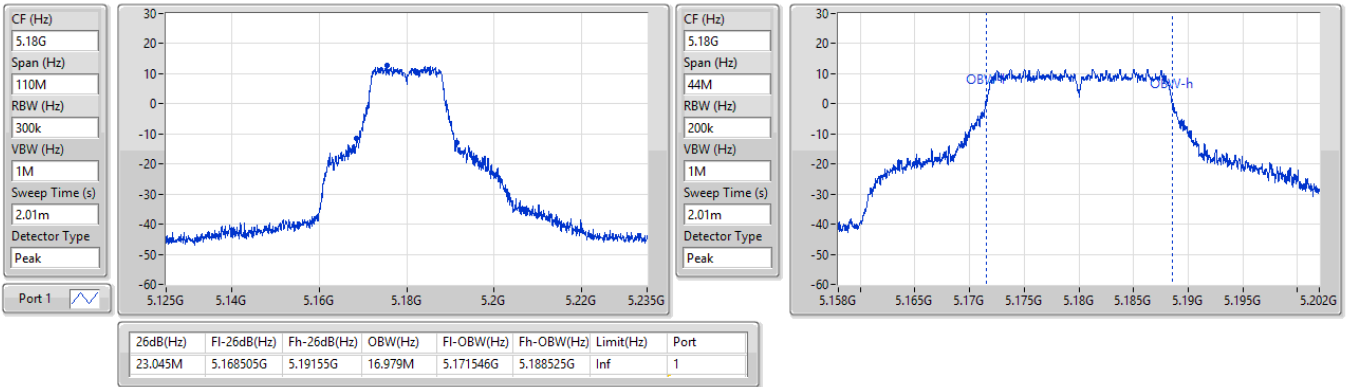
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

08/07/2026

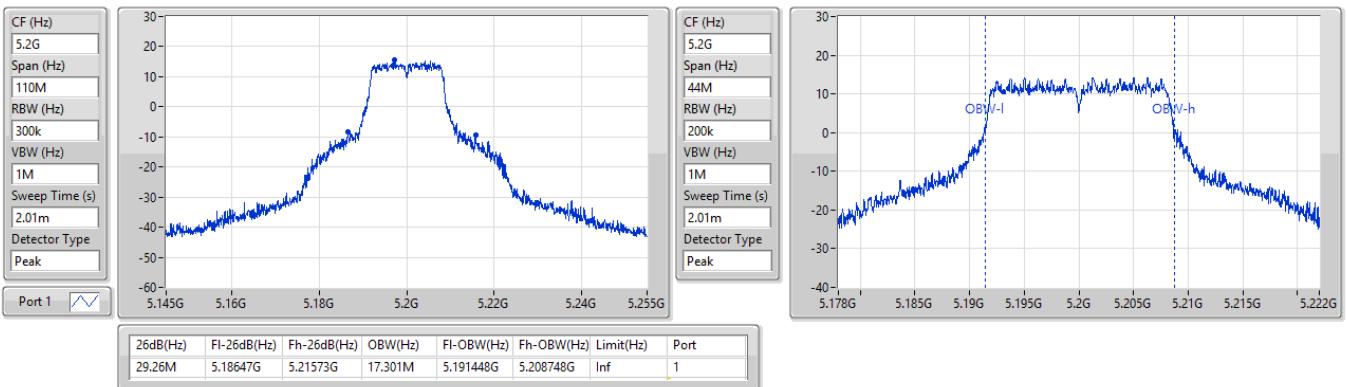


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

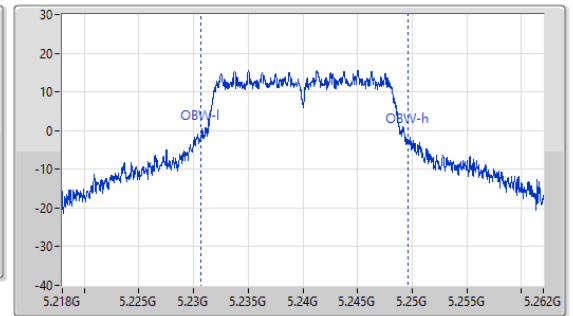
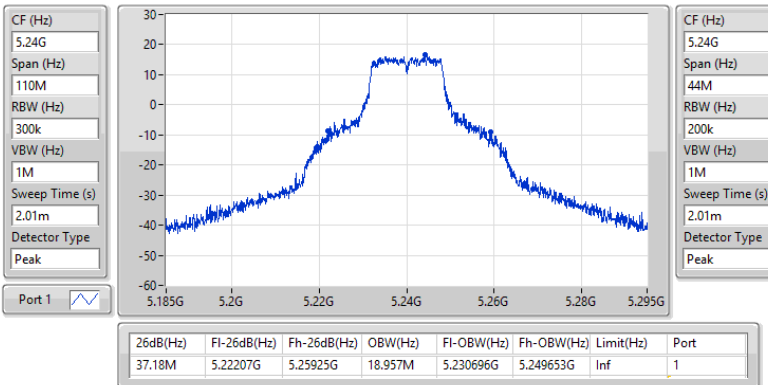
5200MHz

08/07/2026

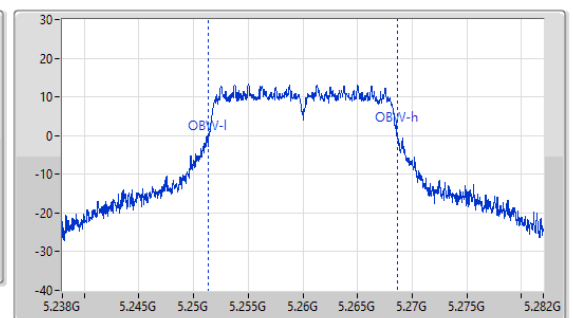
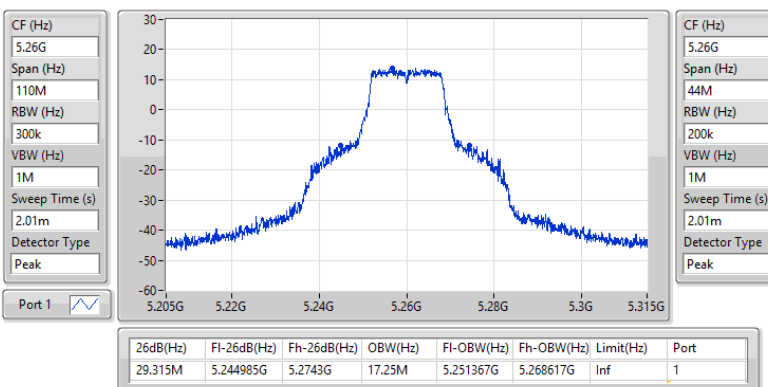


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

08/07/2026

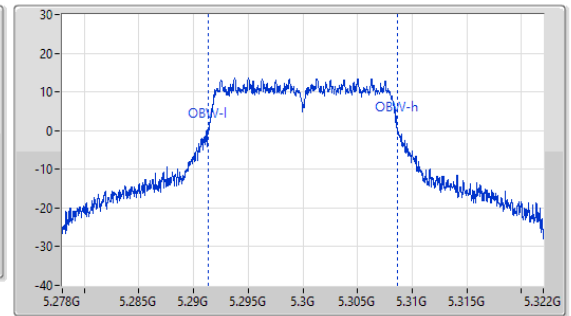
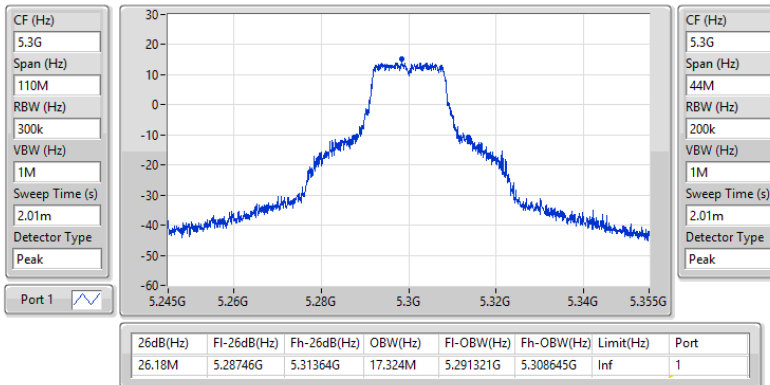

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5260MHz

08/07/2026

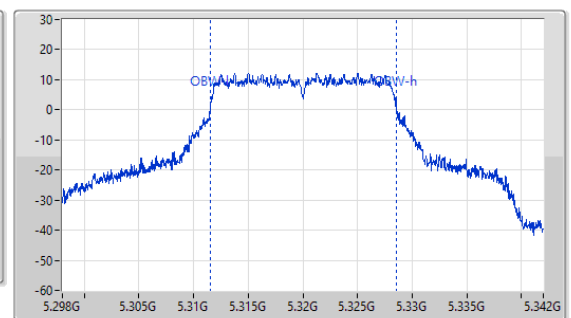
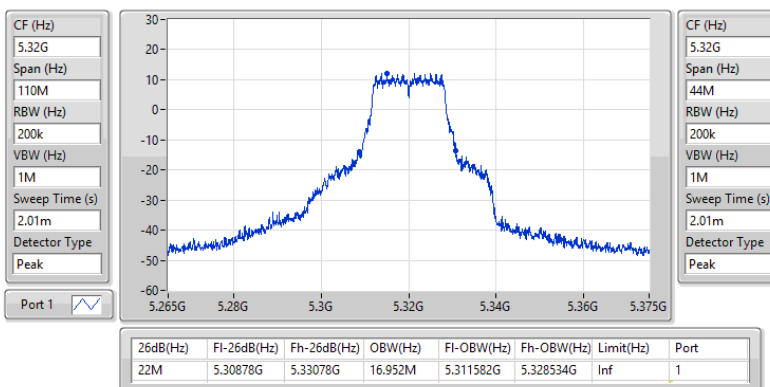


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

08/07/2026

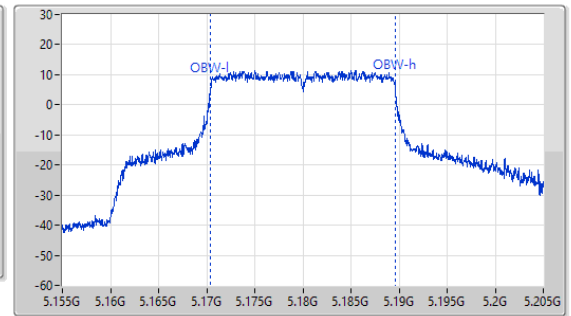
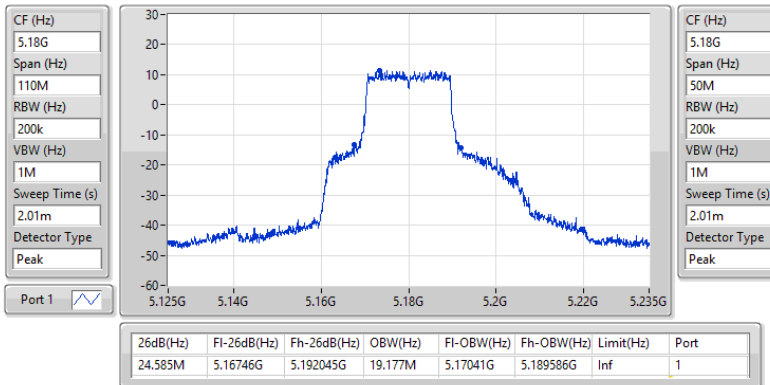

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

08/07/2026

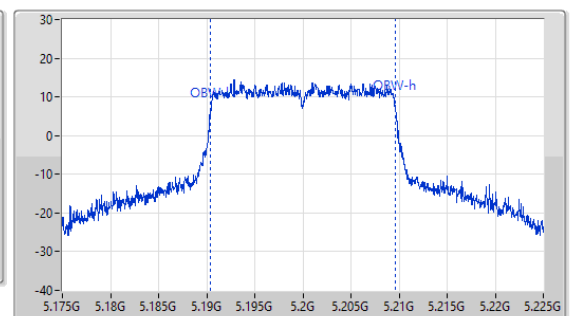
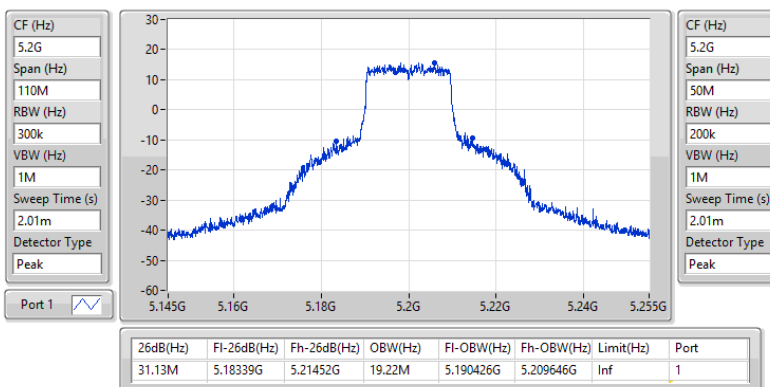


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

08/07/2026

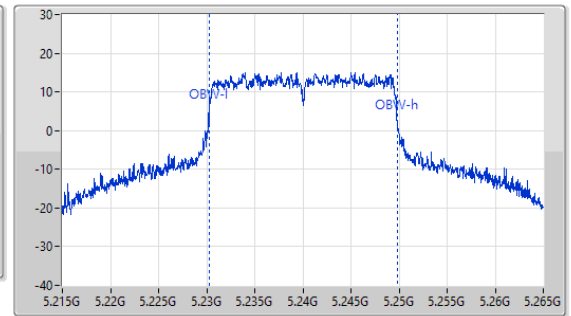
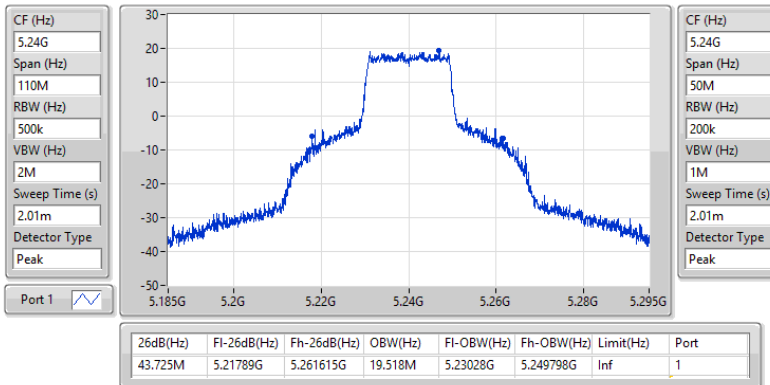

5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

08/07/2026

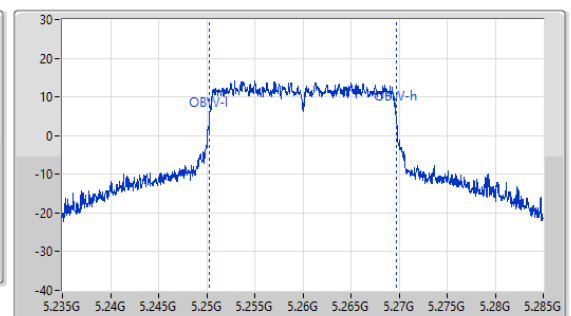
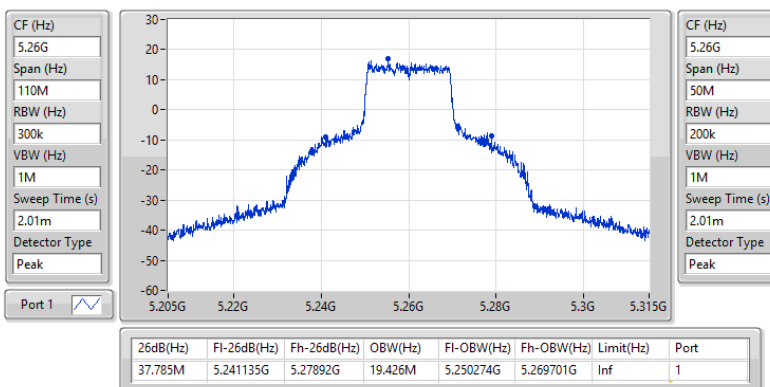


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

08/07/2026

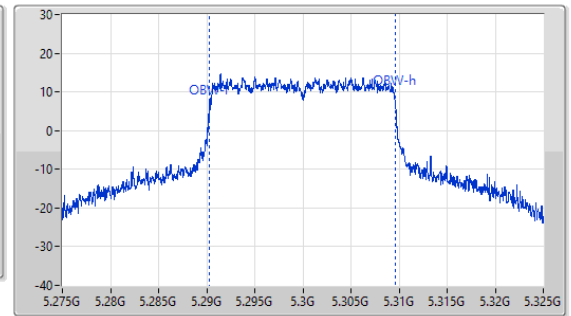
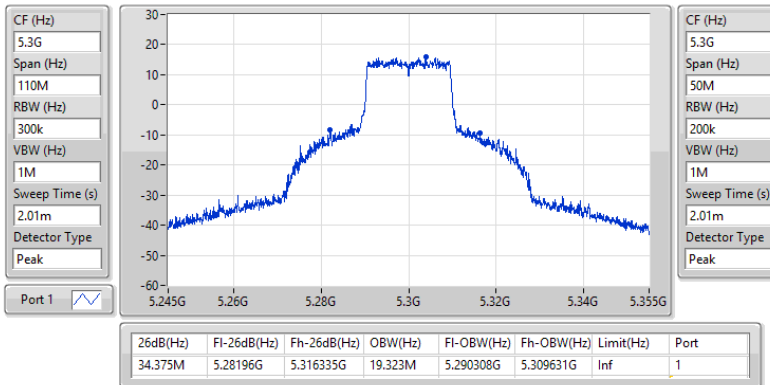

5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5260MHz

08/07/2026

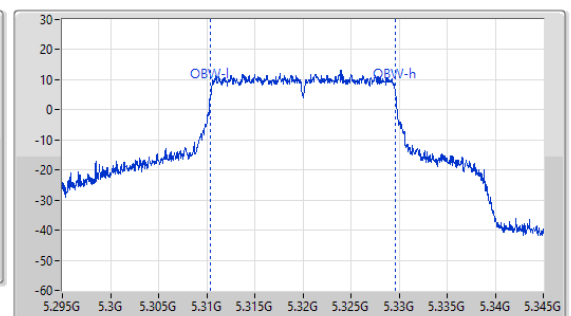
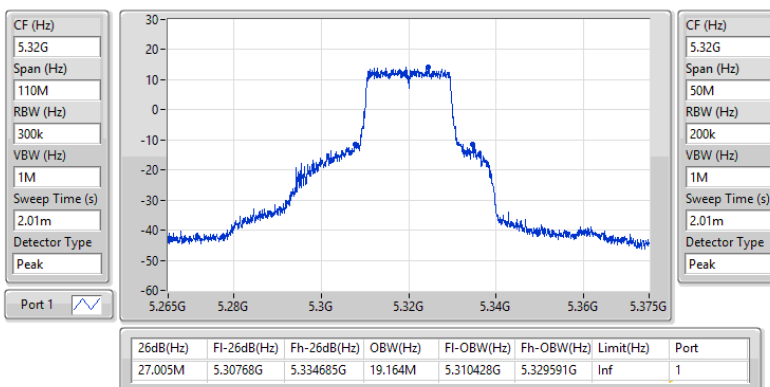


5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5300MHz

08/07/2026

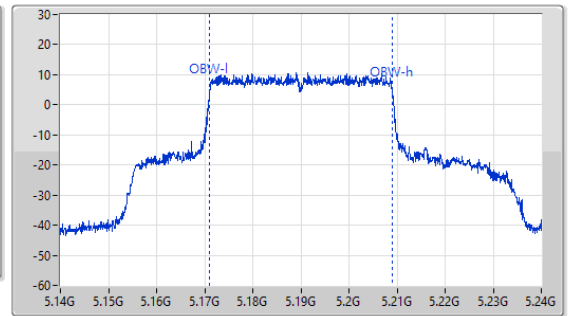
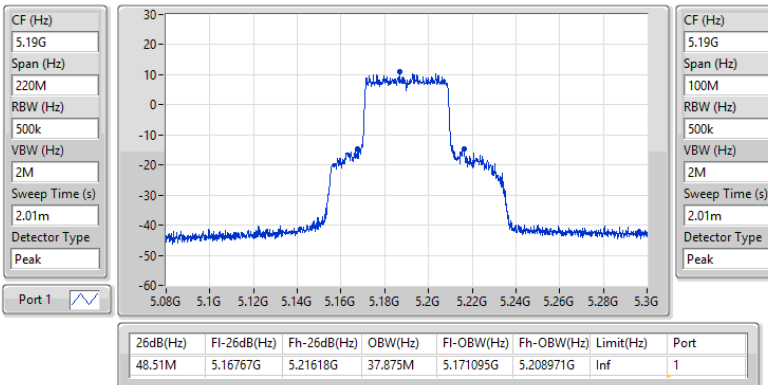

5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5320MHz

08/07/2026

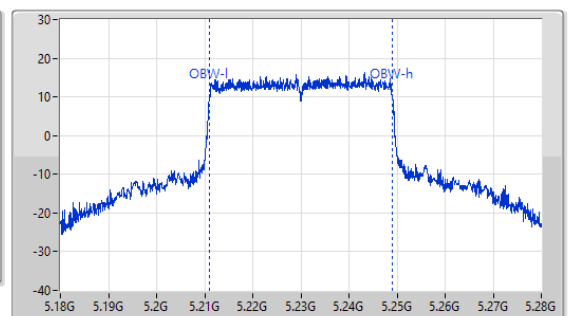
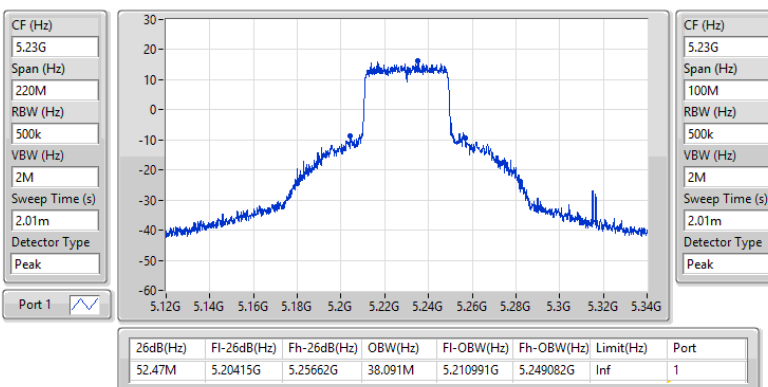


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

08/07/2026

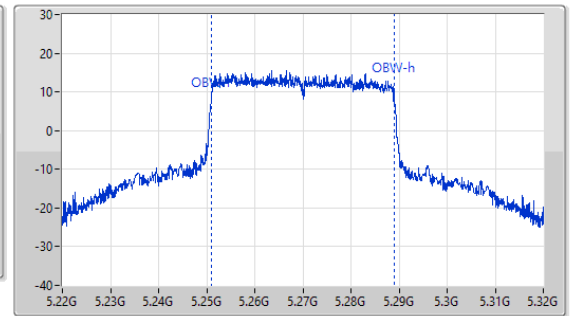
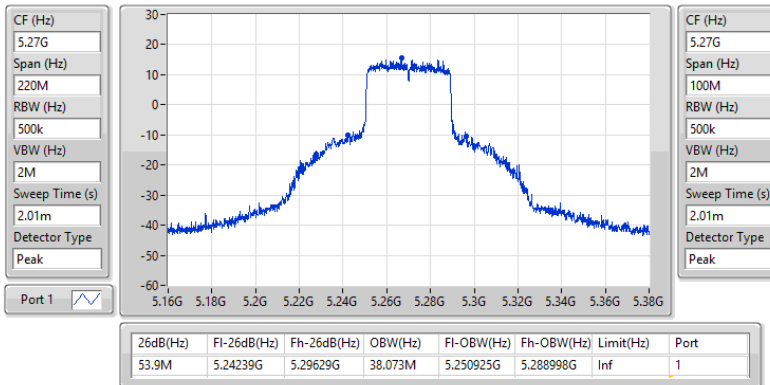

5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

08/07/2026

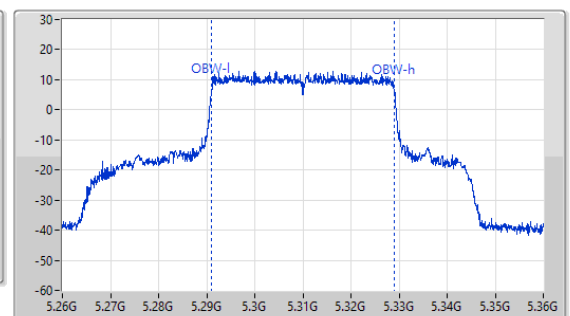
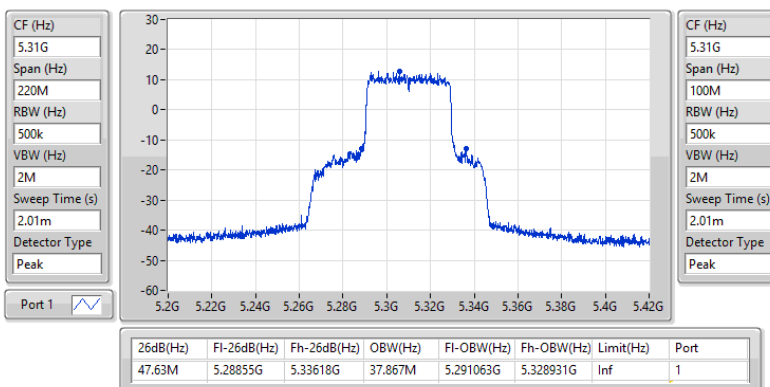


5.25-5.35GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5270MHz

08/07/2026

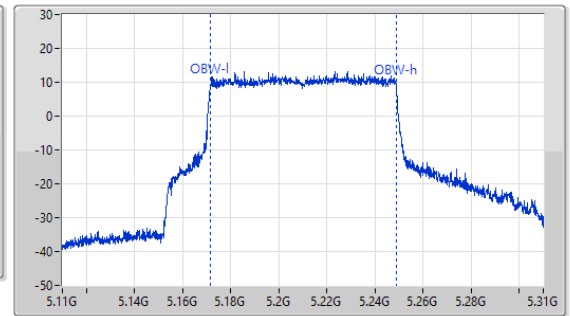
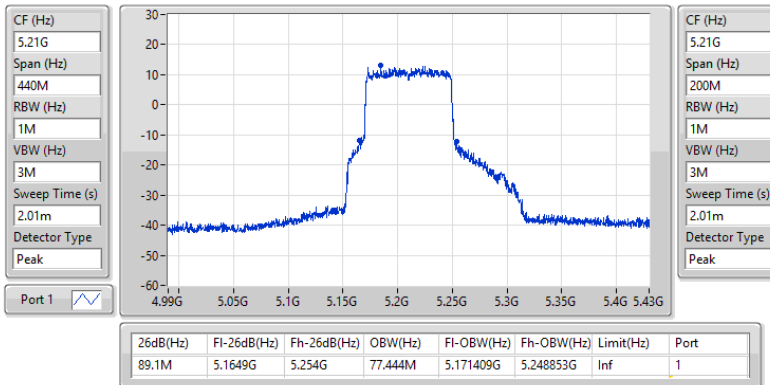

5.25-5.35GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5310MHz

08/07/2026

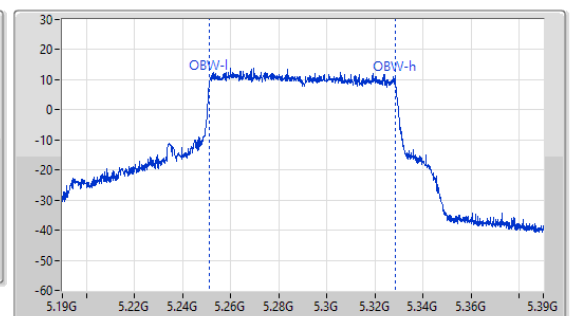
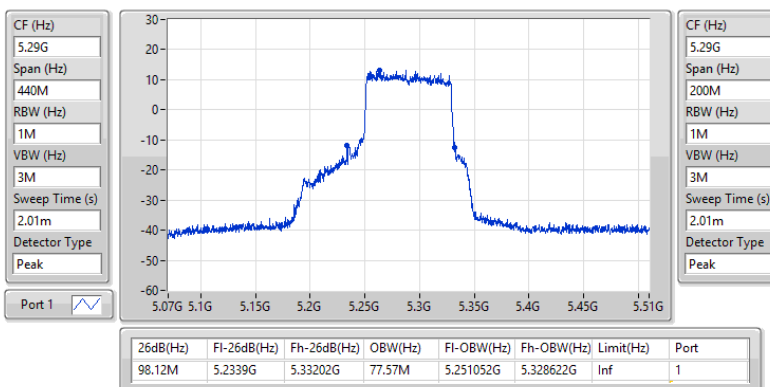


5.15-5.25GHz 802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

08/07/2026


5.25-5.35GHz 802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5290MHz

08/07/2026

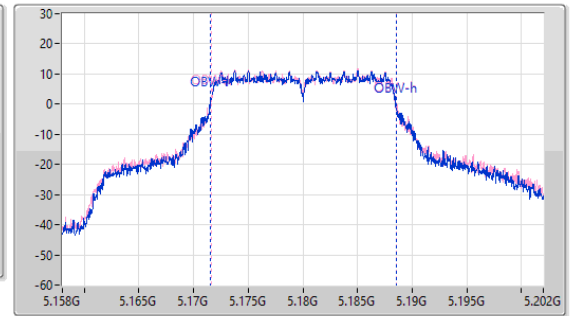
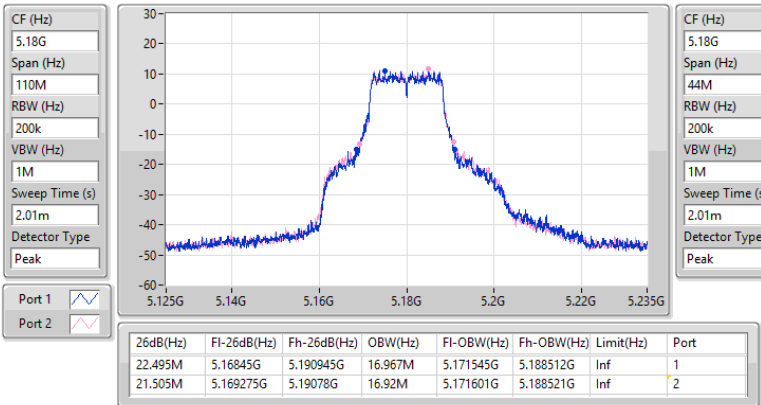


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5180MHz

08/07/2026

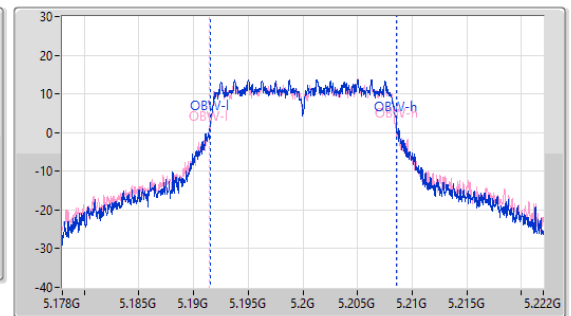
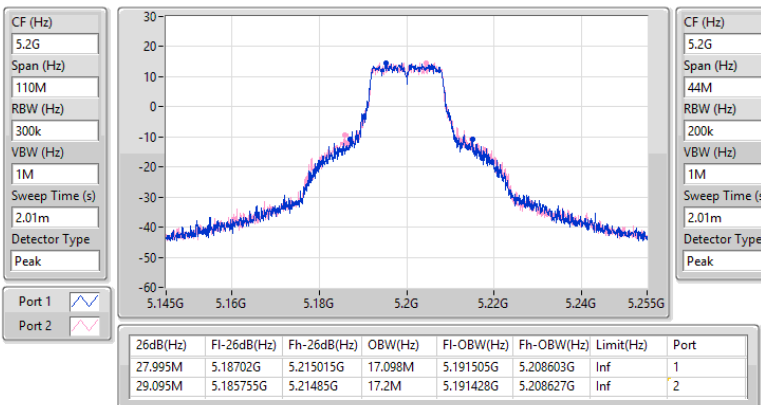


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

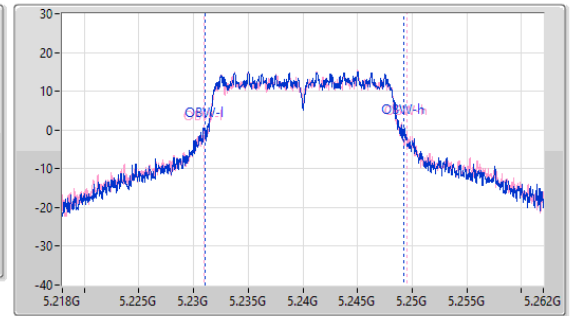
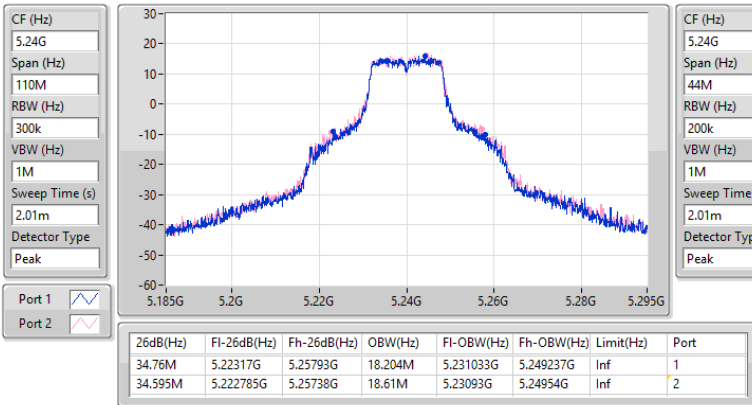
5200MHz

08/07/2026

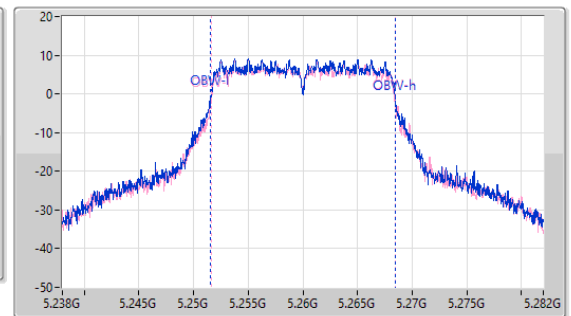
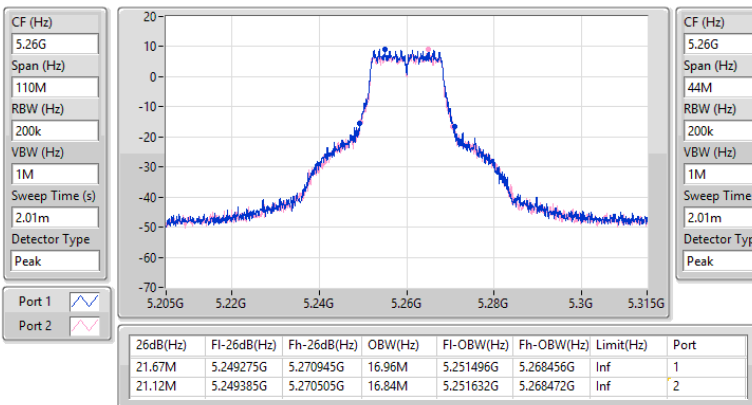


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5240MHz

08/07/2026


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5260MHz

08/07/2026

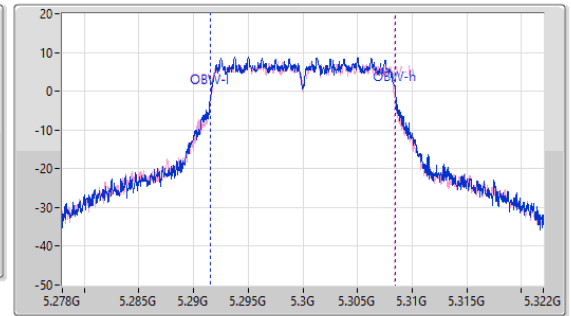
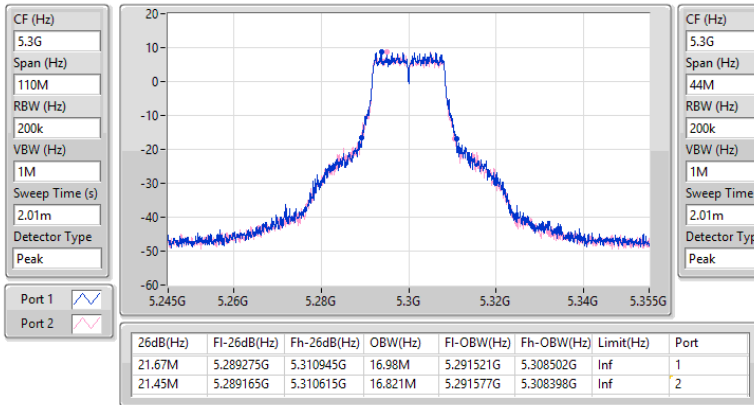


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

08/07/2026

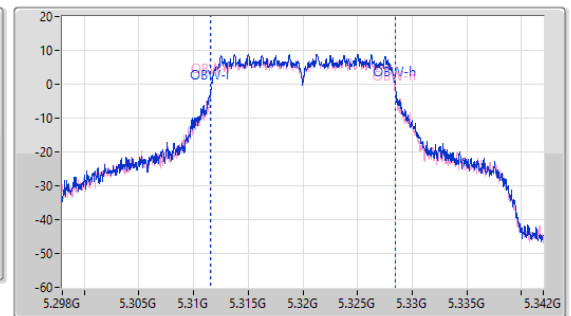
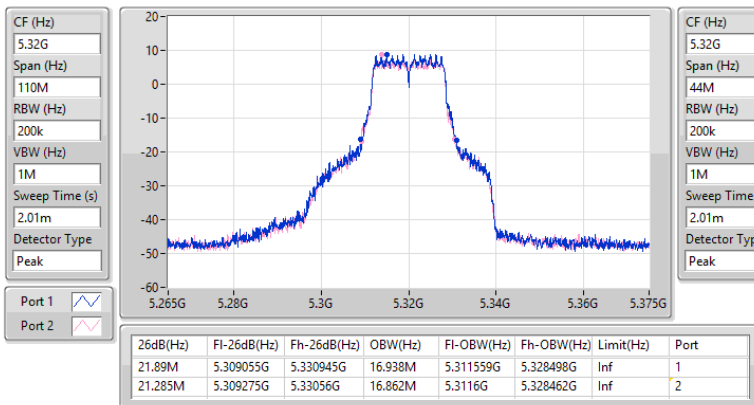


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

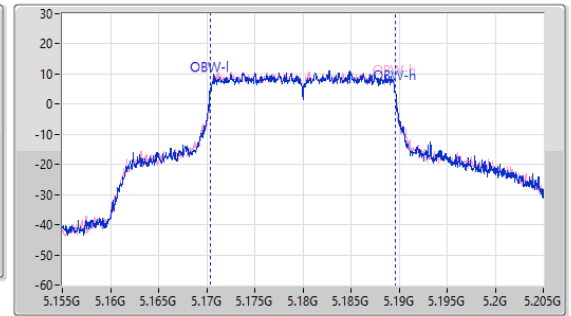
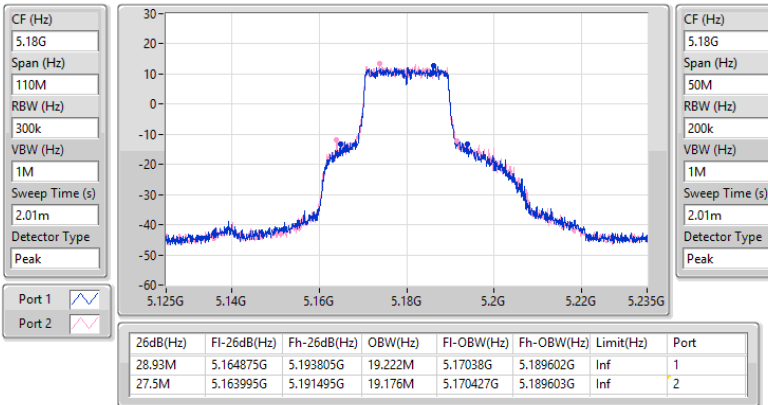
5320MHz

08/07/2026

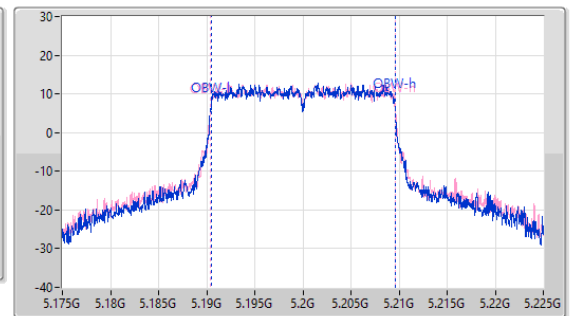
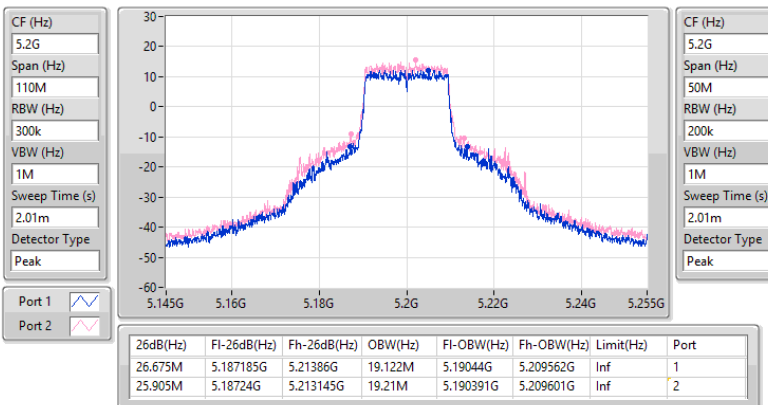


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

08/07/2026


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

08/07/2026

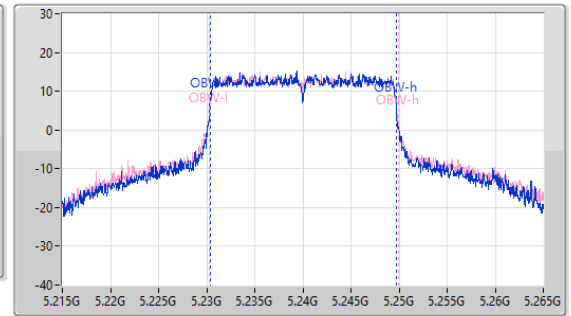
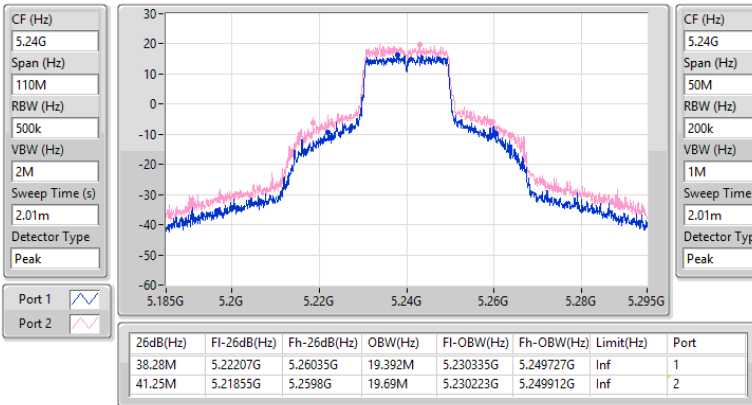


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

08/07/2026

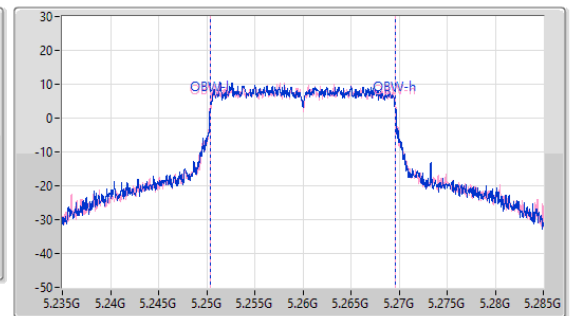
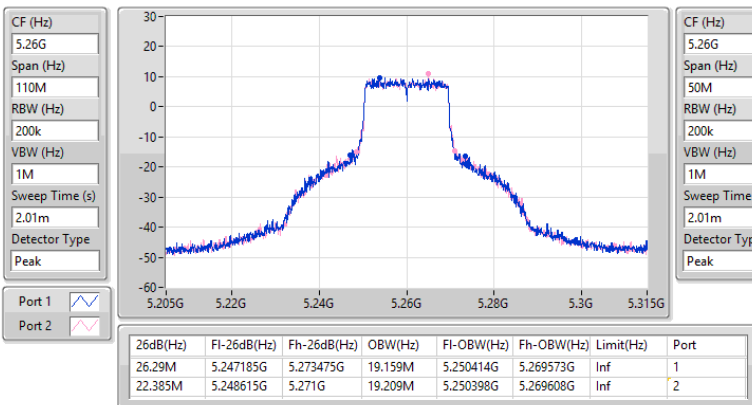


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

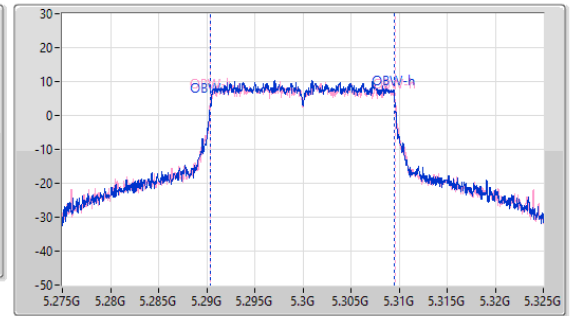
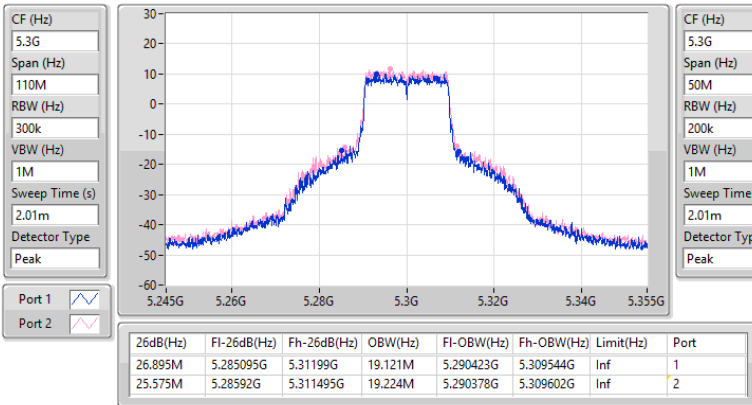
5260MHz

08/07/2026

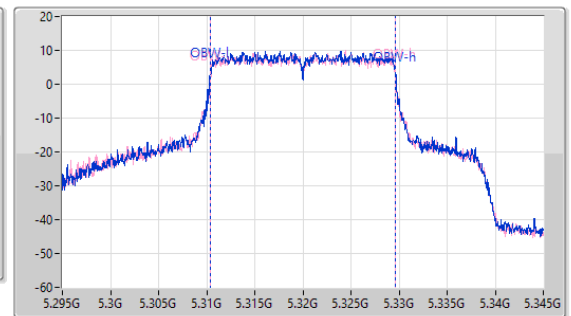
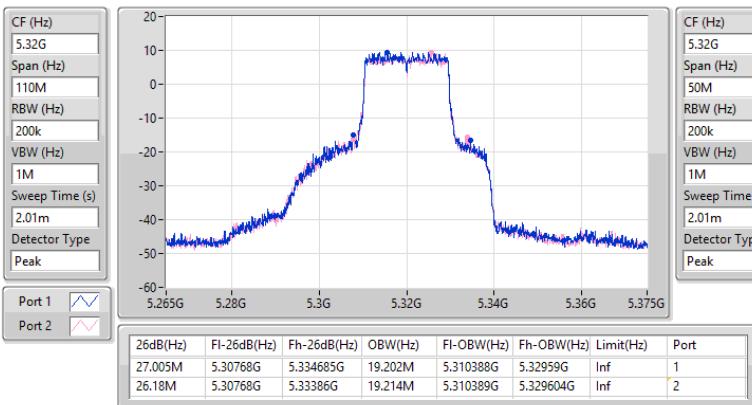


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5300MHz

08/07/2026


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5320MHz

08/07/2026

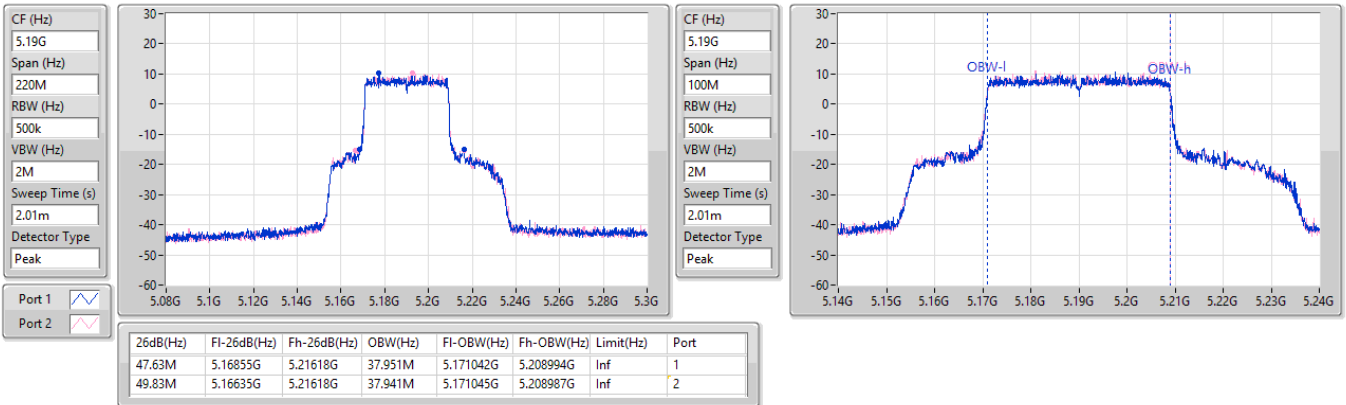


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

08/07/2026

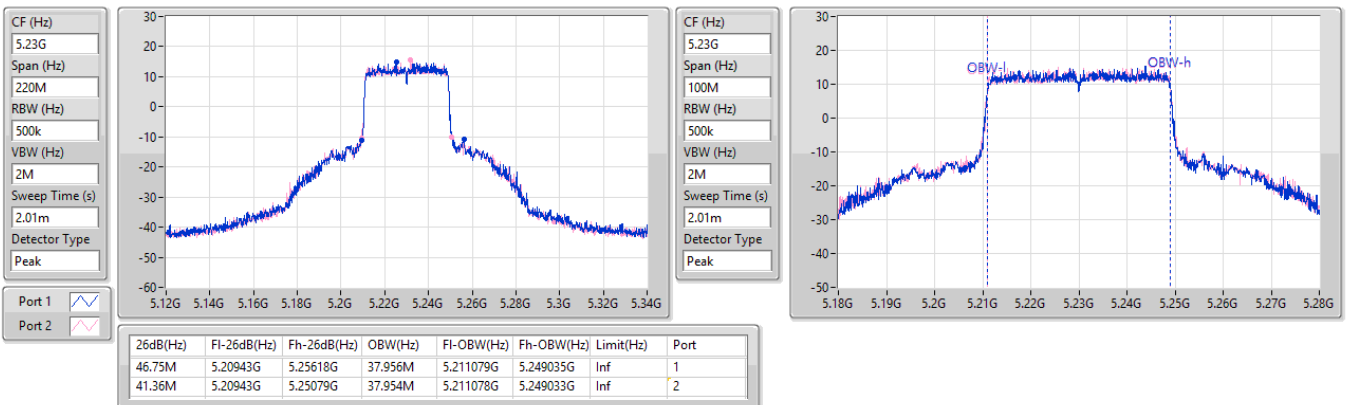


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

08/07/2026

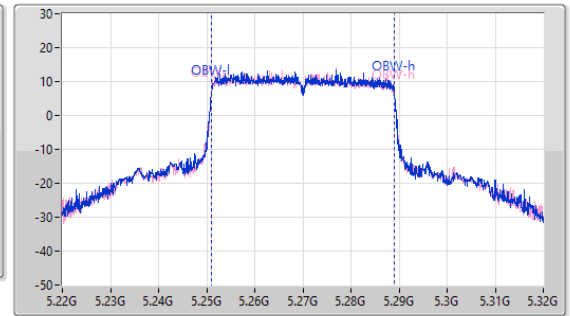
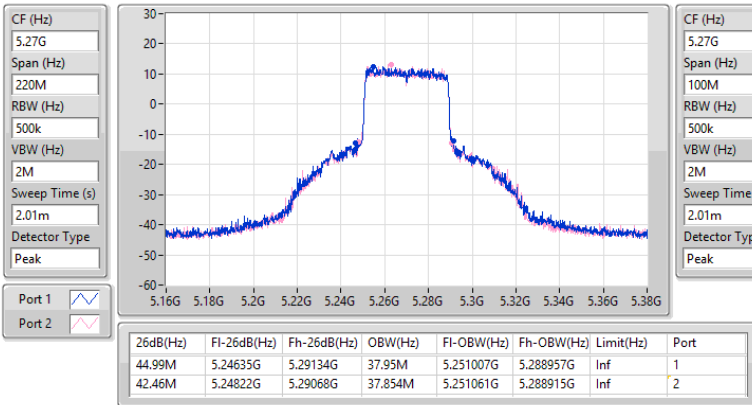


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

08/07/2026

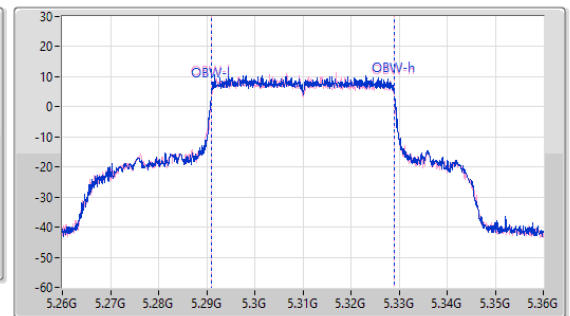
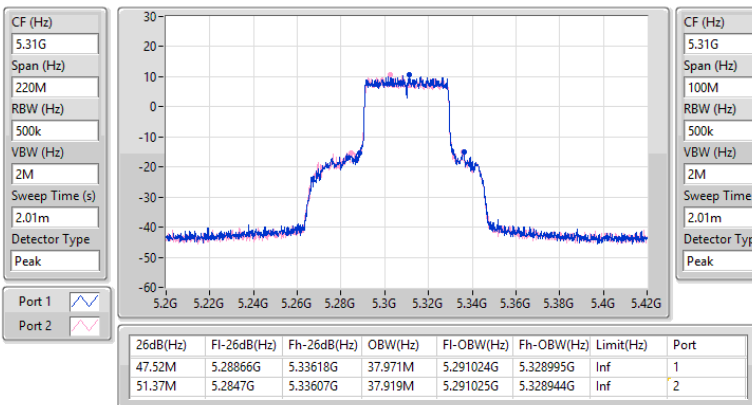


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

08/07/2026

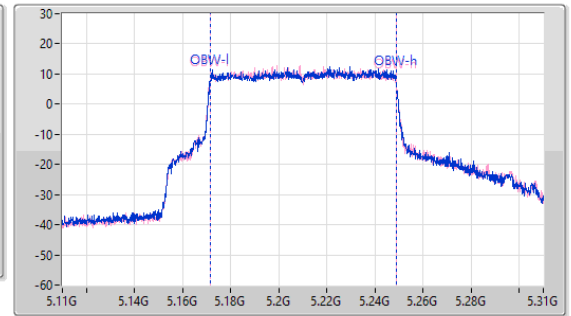
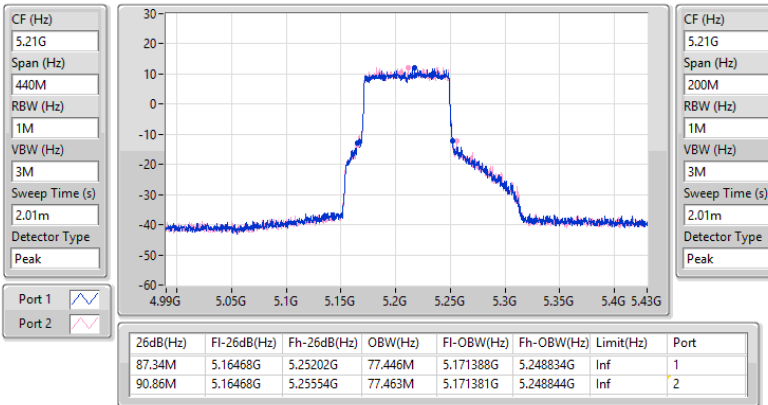


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

08/07/2026

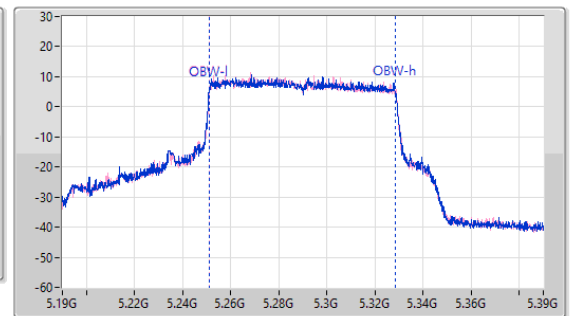
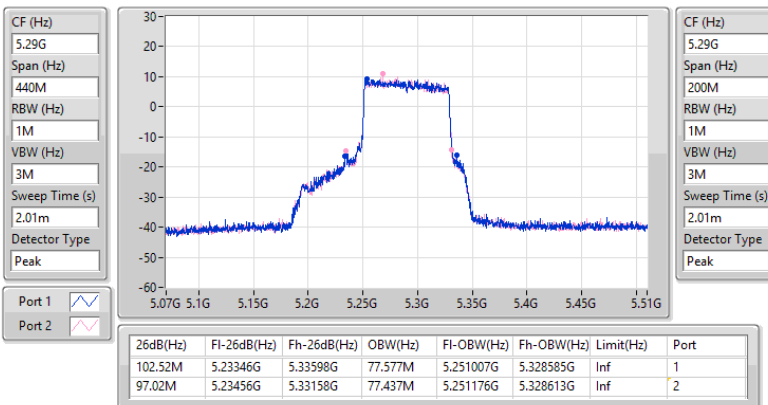


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

08/07/2026

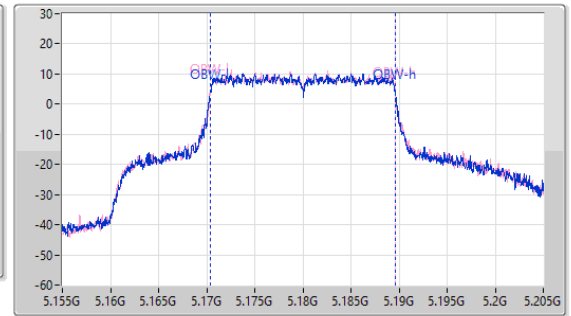
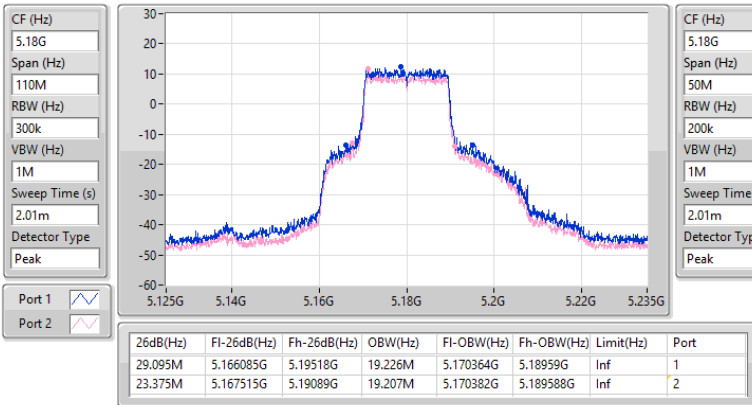


5.15-5.25GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5180MHz

08/07/2026

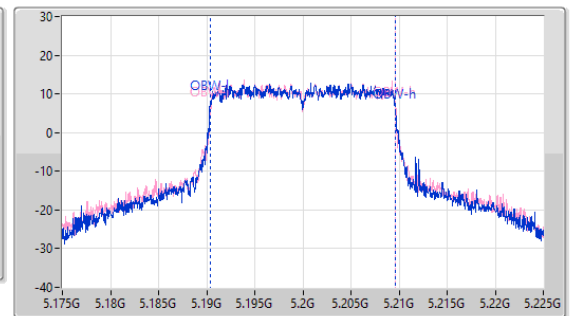
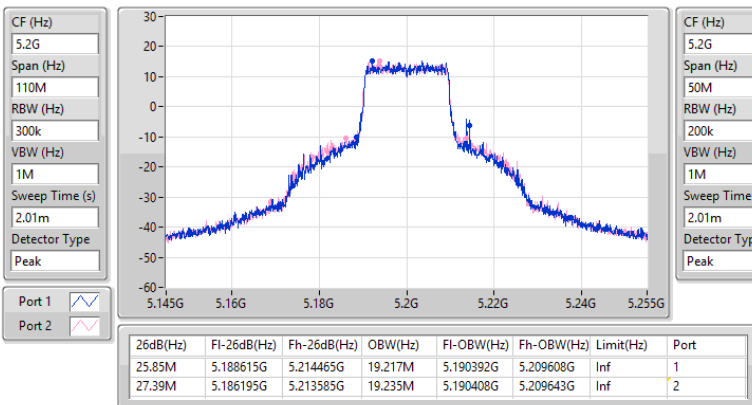


5.15-5.25GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

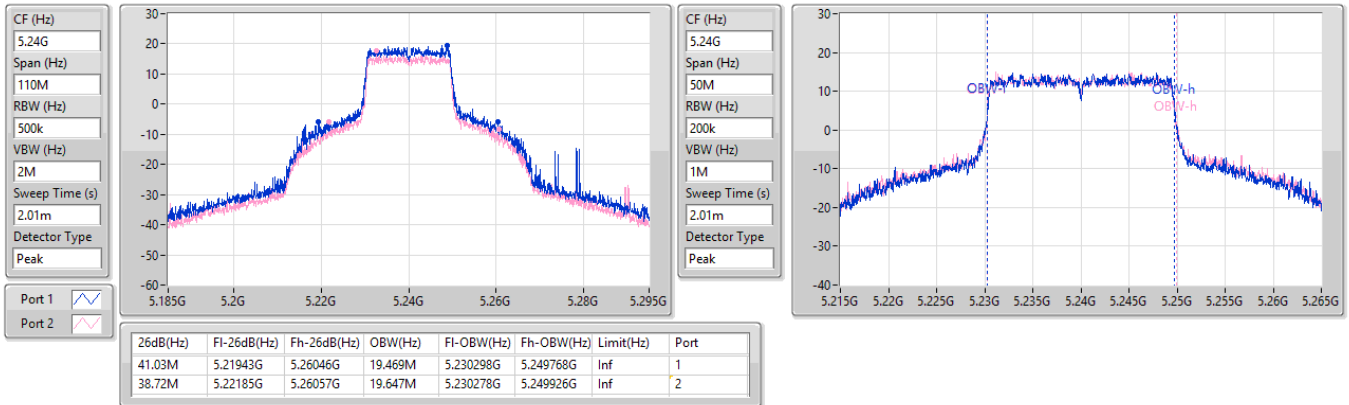
5200MHz

08/07/2026

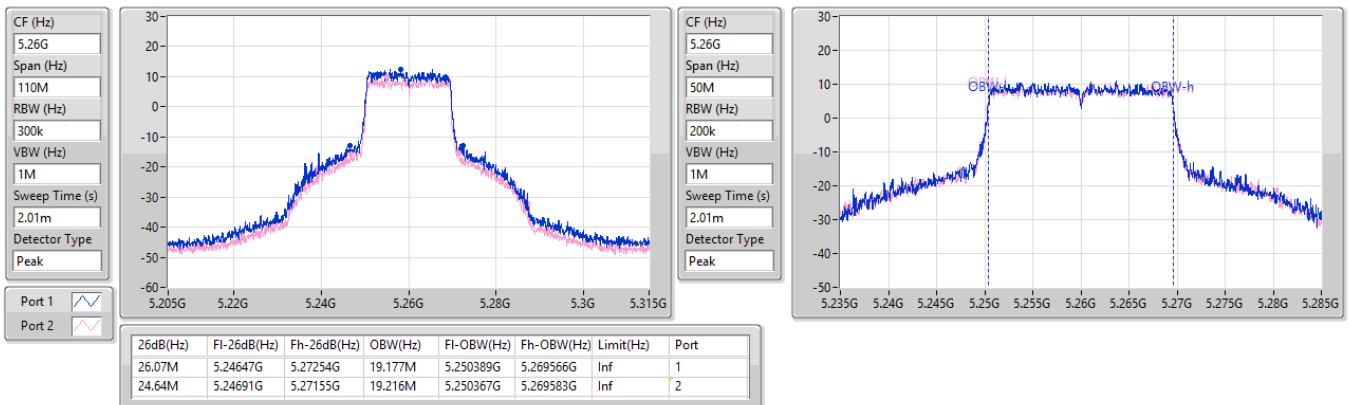


5.15-5.25GHz_802.11be EHT20_Nss2,(MCS0)_2TX
EBW
5240MHz

08/07/2026


5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX
EBW
5260MHz

08/07/2026

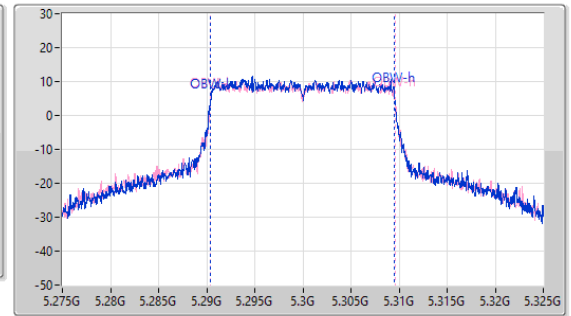
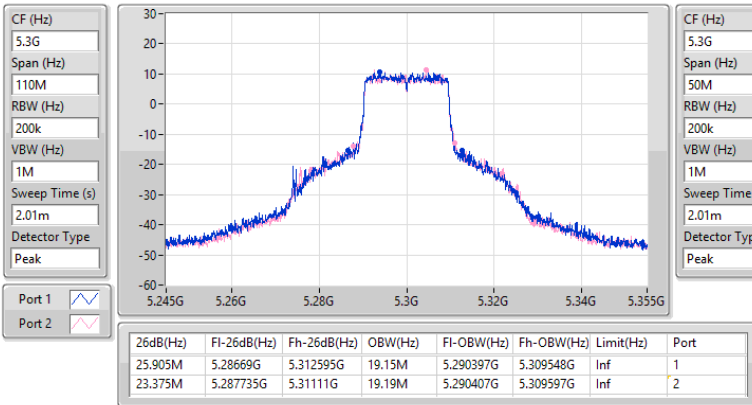


5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5300MHz

08/07/2026

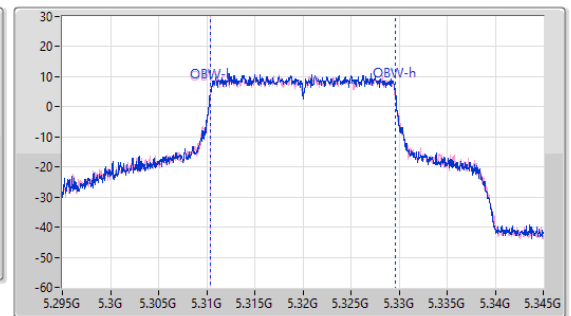
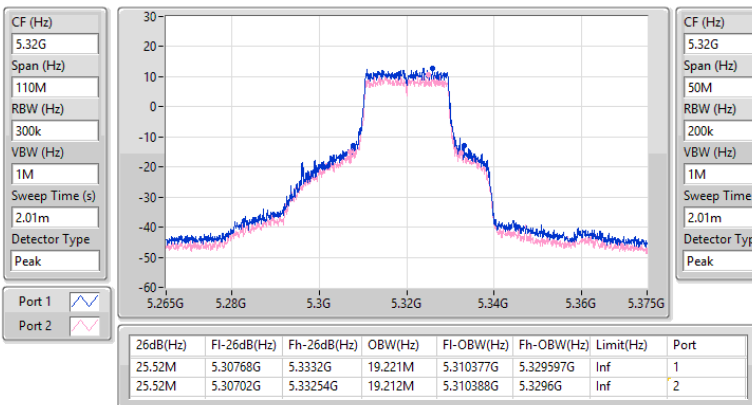


5.25-5.35GHz_802.11be EHT20_Nss2,(MCS0)_2TX

EBW

5320MHz

08/07/2026

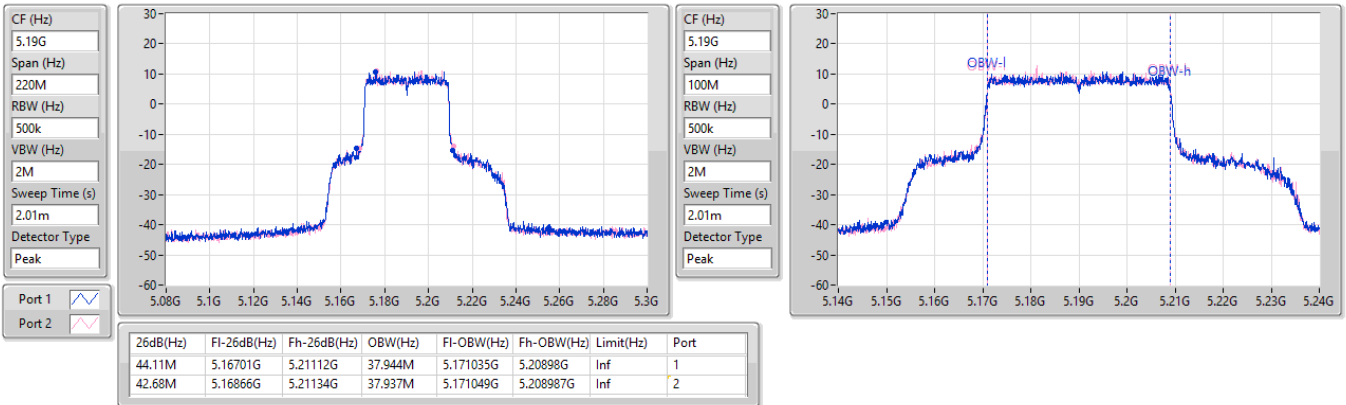


5.15-5.25GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5190MHz

08/07/2026

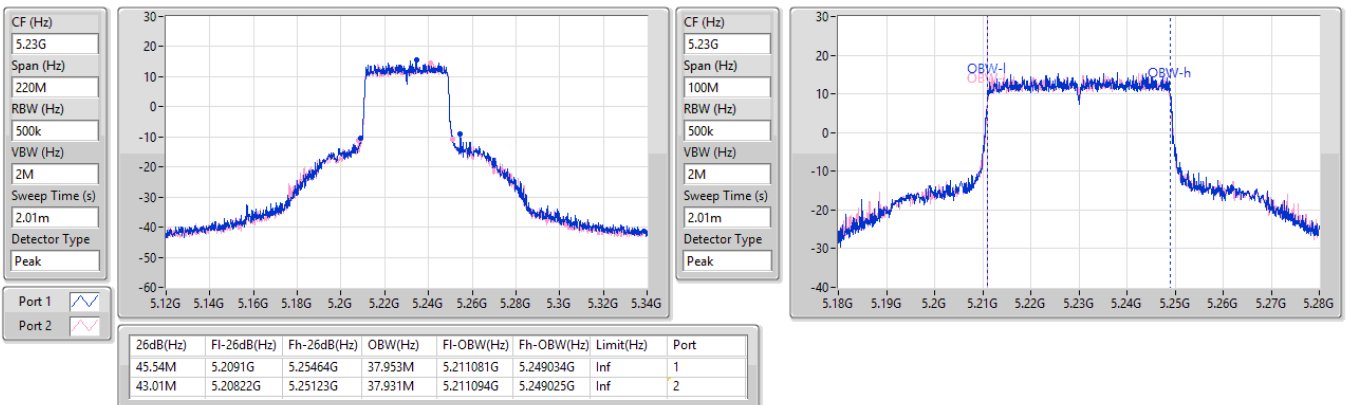


5.15-5.25GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5230MHz

08/07/2026

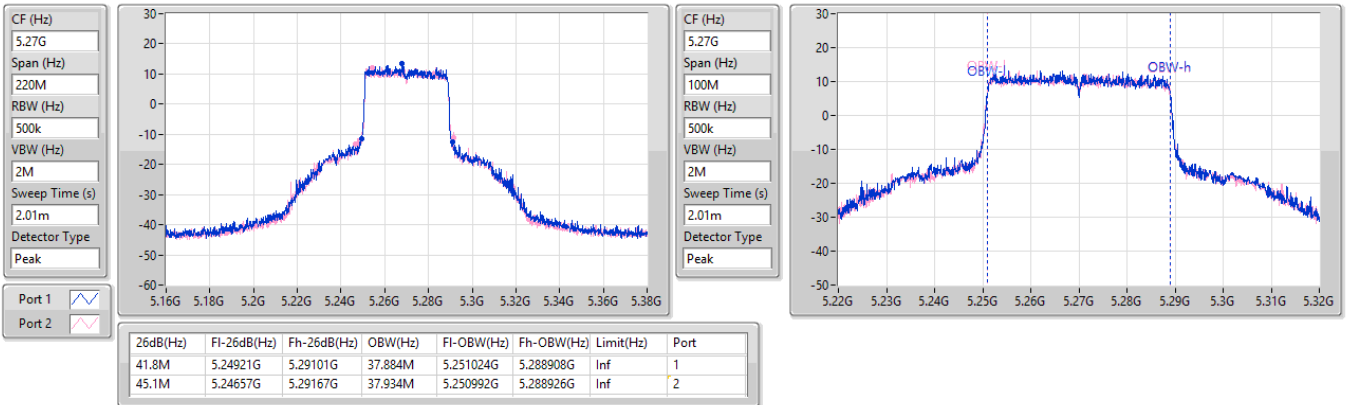


5.25-5.35GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

5270MHz

08/07/2026

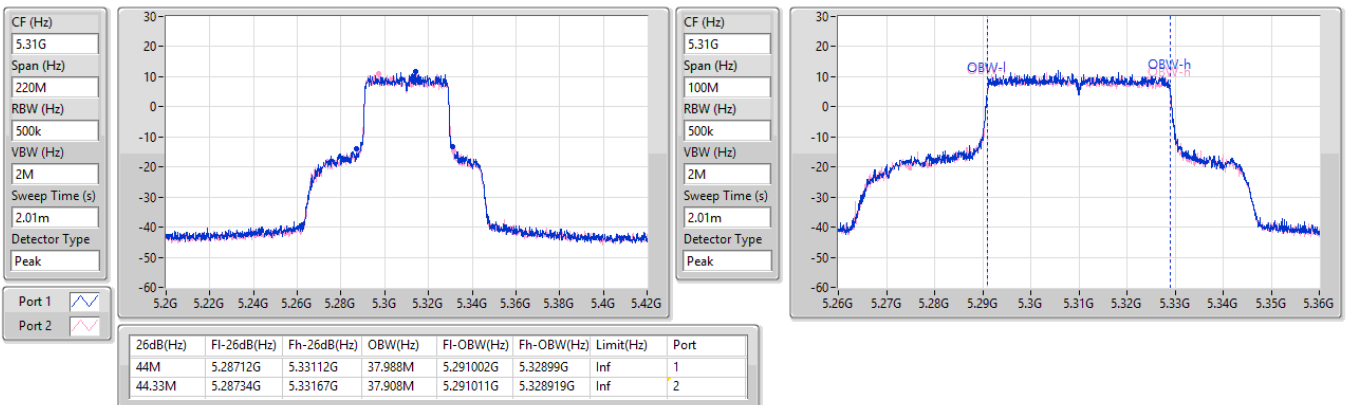


5.25-5.35GHz_802.11be EHT40_Nss2,(MCS0)_2TX

EBW

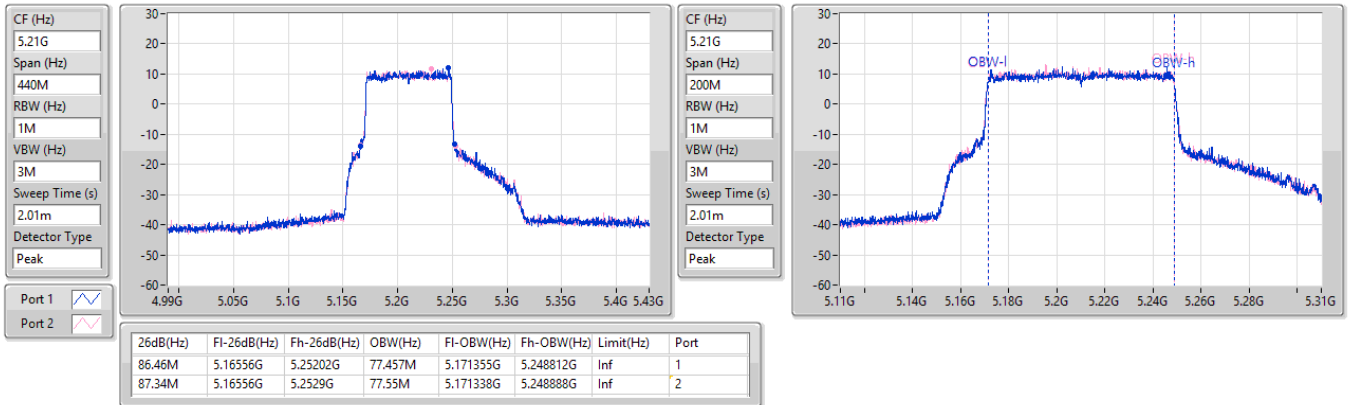
5310MHz

08/07/2026

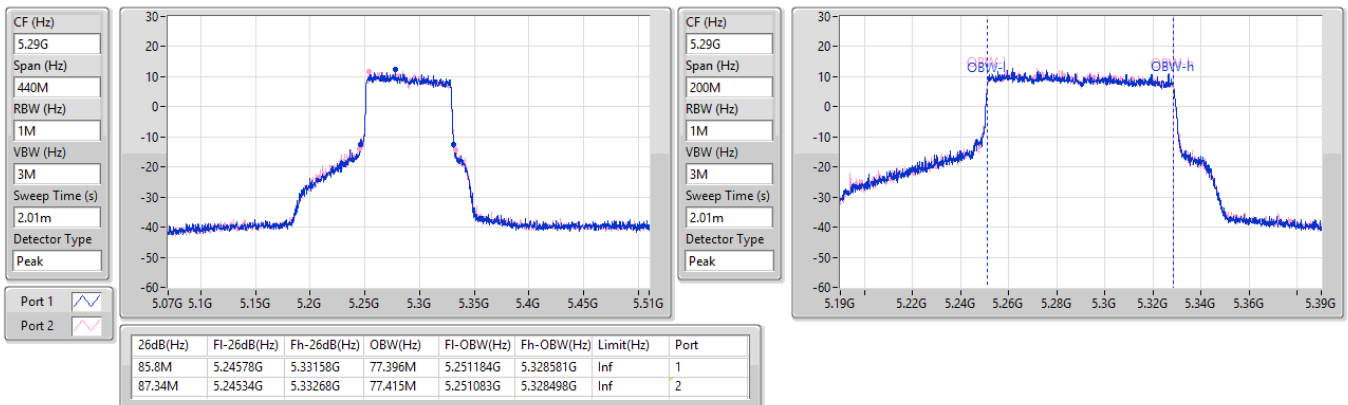


5.15-5.25GHz_802.11be EHT80_Nss2,(MCS0)_2TX
EBW
5210MHz

08/07/2026


5.25-5.35GHz_802.11be EHT80_Nss2,(MCS0)_2TX
EBW
5290MHz

08/07/2026



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	39.985M	19.48M	19M5D1D	22.88M	16.837M
802.11a_Nss1,(6Mbps)_2TX	37.565M	19.092M	19M1D1D	21.615M	16.802M
802.11be EHT20_Nss1,(MCS0)_1TX	40.15M	19.609M	19M6D1D	34.1M	19.226M
802.11be EHT20_Nss1,(MCS0)_2TX	41.635M	19.741M	19M7D1D	26.015M	19.209M
802.11be EHT20_Nss2,(MCS0)_2TX	39.82M	19.579M	19M6D1D	29.645M	19.236M
802.11be EHT40_Nss1,(MCS0)_1TX	51.92M	38.045M	38M0D1D	46.75M	37.894M
802.11be EHT40_Nss1,(MCS0)_2TX	58.08M	38.126M	38M1D1D	47.08M	37.945M
802.11be EHT40_Nss2,(MCS0)_2TX	69.08M	38.223M	38M2D1D	42.35M	37.893M
802.11be EHT80_Nss1,(MCS0)_1TX	95.92M	77.431M	77M4D1D	95.92M	77.431M
802.11be EHT80_Nss1,(MCS0)_2TX	96.14M	77.504M	77M5D1D	90.2M	77.445M
802.11be EHT80_Nss2,(MCS0)_2TX	90.86M	77.417M	77M4D1D	86.68M	77.396M
802.11be EHT160_Nss1,(MCS0)_1TX	81.36M	77.426M	77M4D1D	81.36M	77.426M
802.11be EHT160_Nss1,(MCS0)_2TX	81.36M	77.281M	77M3D1D	81.2M	77.266M
802.11be EHT160_Nss2,(MCS0)_2TX	81.2M	77.338M	77M3D1D	81.2M	77.329M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	42.35M	19.521M	19M5D1D	30.58M	16.944M
802.11a_Nss1,(6Mbps)_2TX	32.67M	17.195M	17M2D1D	21.45M	16.831M
802.11be EHT20_Nss1,(MCS0)_1TX	42.79M	19.779M	19M8D1D	33.22M	19.246M
802.11be EHT20_Nss1,(MCS0)_2TX	37.125M	19.298M	19M3D1D	25.025M	19.139M
802.11be EHT20_Nss2,(MCS0)_2TX	35.31M	19.373M	19M4D1D	26.235M	19.17M
802.11be EHT40_Nss1,(MCS0)_1TX	66.77M	38.292M	38M3D1D	50.27M	37.89M
802.11be EHT40_Nss1,(MCS0)_2TX	57.2M	38.108M	38M1D1D	47.63M	37.909M
802.11be EHT40_Nss2,(MCS0)_2TX	54.56M	38.057M	38M1D1D	42.9M	37.9M
802.11be EHT80_Nss1,(MCS0)_1TX	103.84M	77.454M	77M5D1D	103.84M	77.454M
802.11be EHT80_Nss1,(MCS0)_2TX	106.04M	77.488M	77M5D1D	86.9M	77.447M
802.11be EHT80_Nss2,(MCS0)_2TX	87.12M	77.475M	77M5D1D	86.9M	77.393M
802.11be EHT160_Nss1,(MCS0)_1TX	82.4M	77.509M	77M5D1D	82.4M	77.509M
802.11be EHT160_Nss1,(MCS0)_2TX	81.6M	77.563M	77M6D1D	81.52M	77.46M
802.11be EHT160_Nss2,(MCS0)_2TX	81.68M	77.485M	77M5D1D	81.44M	77.313M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	34.375M	17.827M	17M8D1D	20.625M	14.748M
802.11a_Nss1,(6Mbps)_2TX	23.155M	17.052M	17M1D1D	16.815M	13.5M
802.11be EHT20_Nss1,(MCS0)_1TX	43.285M	19.865M	19M9D1D	22.99M	14.897M
802.11be EHT20_Nss1,(MCS0)_2TX	26.345M	19.214M	19M2D1D	19.59M	14.634M
802.11be EHT20_Nss2,(MCS0)_2TX	28.71M	19.221M	19M2D1D	20.025M	14.72M
802.11be EHT40_Nss1,(MCS0)_1TX	74.36M	38.329M	38M3D1D	51.7M	34.562M
802.11be EHT40_Nss1,(MCS0)_2TX	51.81M	38.042M	38M0D1D	41.14M	33.943M
802.11be EHT40_Nss2,(MCS0)_2TX	50.27M	37.973M	38M0D1D	41.69M	33.926M
802.11be EHT80_Nss1,(MCS0)_1TX	160.38M	78.848M	78M8D1D	91.08M	74.087M
802.11be EHT80_Nss1,(MCS0)_2TX	99.66M	77.645M	77M6D1D	86.9M	73.282M
802.11be EHT80_Nss2,(MCS0)_2TX	105.82M	77.541M	77M5D1D	79.35M	73.351M
802.11be EHT160_Nss1,(MCS0)_1TX	164.56M	156.454M	156MD1D	164.56M	156.454M
802.11be EHT160_Nss1,(MCS0)_2TX	164.56M	156.46M	156MD1D	164.12M	156.449M
802.11be EHT160_Nss2,(MCS0)_2TX	165.44M	156.41M	156MD1D	164.12M	156.214M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.28M	31.528M	31M5D1D	3.14M	10.474M
802.11a_Nss1,(6Mbps)_2TX	16.335M	32.365M	32M4D1D	3.14M	4.678M
802.11be EHT20_Nss1,(MCS0)_1TX	18.7M	35.649M	35M6D1D	4.32M	10.168M
802.11be EHT20_Nss1,(MCS0)_2TX	18.865M	35.347M	35M3D1D	4.4M	5.902M
802.11be EHT20_Nss2,(MCS0)_2TX	18.645M	34.609M	34M6D1D	4.42M	8.124M
802.11be EHT40_Nss1,(MCS0)_1TX	37.51M	48.548M	48M5D1D	3.86M	23.638M
802.11be EHT40_Nss1,(MCS0)_2TX	37.73M	46.262M	46M3D1D	3.82M	17.905M
802.11be EHT40_Nss2,(MCS0)_2TX	37.73M	58.15M	58M2D1D	3.82M	18.134M
802.11be EHT80_Nss1,(MCS0)_1TX	75.9M	78.187M	78M2D1D	3.72M	34.022M



Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11be EHT80_Nss1,(MCS0)_2TX	76.34M	77.542M	77M5D1D	3.84M	24.784M
802.11be EHT80_Nss2,(MCS0)_2TX	76.56M	77.628M	77M6D1D	3.46M	23.927M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
5180MHz	Pass	Inf	22.88M	16.837M		
5200MHz	Pass	Inf	36.245M	17.705M		
5240MHz	Pass	Inf	39.985M	19.48M		
5260MHz	Pass	Inf	42.35M	19.167M		
5300MHz	Pass	Inf	38.28M	19.521M		
5320MHz	Pass	Inf	30.58M	16.944M		
5500MHz	Pass	Inf	28.93M	17.153M		
5580MHz	Pass	Inf	34.375M	17.827M		
5700MHz	Pass	Inf	20.625M	16.622M		
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	22.035M	14.748M		
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	10.474M		
5745MHz	Pass	500k	16.005M	31.528M		
5785MHz	Pass	500k	16.28M	17.319M		
5825MHz	Pass	500k	16.28M	17.31M		
802.11be EHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5180MHz	Pass	Inf	34.1M	19.226M		
5200MHz	Pass	Inf	40.15M	19.564M		
5240MHz	Pass	Inf	38.06M	19.609M		
5260MHz	Pass	Inf	39.93M	19.572M		
5300MHz	Pass	Inf	42.79M	19.779M		
5320MHz	Pass	Inf	33.22M	19.246M		
5500MHz	Pass	Inf	35.53M	19.286M		
5580MHz	Pass	Inf	43.285M	19.865M		
5700MHz	Pass	Inf	22.99M	19.054M		
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.535M	14.897M		
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.32M	10.168M		
5745MHz	Pass	500k	17.71M	27.755M		
5785MHz	Pass	500k	18.7M	35.649M		
5825MHz	Pass	500k	17.655M	35.218M		
802.11be EHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5190MHz	Pass	Inf	46.75M	37.894M		
5230MHz	Pass	Inf	51.92M	38.045M		
5270MHz	Pass	Inf	66.77M	38.292M		
5310MHz	Pass	Inf	50.27M	37.89M		
5510MHz	Pass	Inf	53.02M	37.947M		
5550MHz	Pass	Inf	74.36M	38.329M		
5670MHz	Pass	Inf	51.7M	37.905M		
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	54.985M	34.562M		
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.86M	23.638M		
5755MHz	Pass	500k	37.4M	40.458M		
5795MHz	Pass	500k	37.51M	48.548M		
802.11be EHT80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5210MHz	Pass	Inf	95.92M	77.431M		
5290MHz	Pass	Inf	103.84M	77.454M		
5530MHz	Pass	Inf	91.08M	77.426M		
5610MHz	Pass	Inf	160.38M	78.848M		
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	104.4M	74.087M		
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	34.022M		
5775MHz	Pass	500k	75.9M	78.187M		
802.11be EHT160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	77.426M		
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.4M	77.509M		
5570MHz	Pass	Inf	164.56M	156.454M		
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-

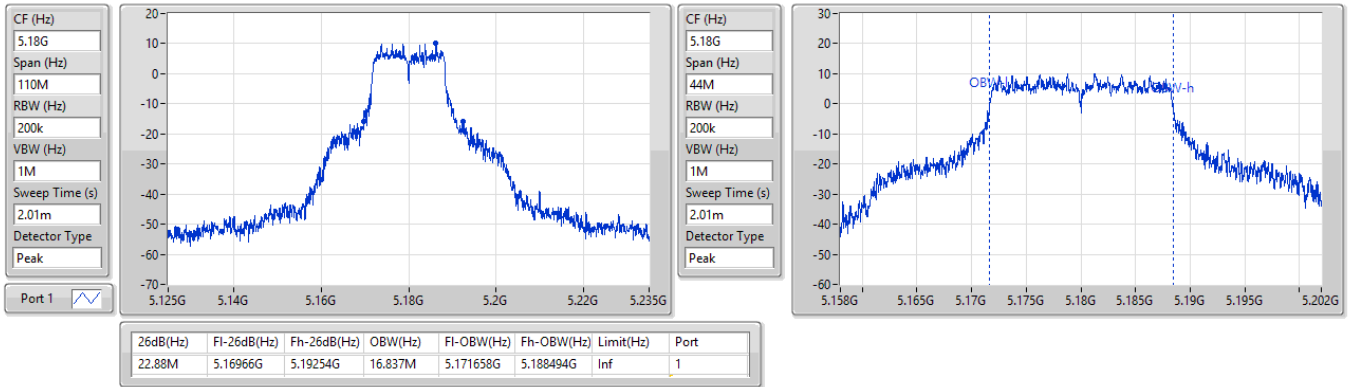
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5180MHz	Pass	Inf	21.615M	16.802M	24.695M	16.864M
5200MHz	Pass	Inf	30.14M	17.126M	36.355M	18.112M
5240MHz	Pass	Inf	33.715M	17.55M	37.565M	19.092M
5260MHz	Pass	Inf	21.45M	16.831M	24.97M	17.122M
5300MHz	Pass	Inf	25.355M	16.99M	32.67M	17.192M
5320MHz	Pass	Inf	24.365M	17.078M	29.04M	17.195M
5500MHz	Pass	Inf	22.605M	16.908M	23.155M	17.052M
5580MHz	Pass	Inf	21.505M	16.79M	21.945M	16.956M
5700MHz	Pass	Inf	21.23M	16.636M	21.285M	16.742M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	16.815M	13.5M	16.89M	13.621M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	4.678M	3.16M	4.823M
5745MHz	Pass	500k	16.06M	32.365M	16.28M	31.886M
5785MHz	Pass	500k	15.785M	31.924M	16.005M	30.534M
5825MHz	Pass	500k	16.06M	31.298M	16.335M	31.032M
802.11be EHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	26.015M	19.209M	29.04M	19.23M
5200MHz	Pass	Inf	28.82M	19.218M	36.74M	19.361M
5240MHz	Pass	Inf	40.7M	19.368M	41.635M	19.741M
5260MHz	Pass	Inf	25.3M	19.166M	32.725M	19.252M
5300MHz	Pass	Inf	31.13M	19.251M	37.125M	19.298M
5320MHz	Pass	Inf	25.025M	19.139M	27.335M	19.178M
5500MHz	Pass	Inf	25.52M	19.193M	26.345M	19.214M
5580MHz	Pass	Inf	22.935M	19.191M	24.255M	19.146M
5700MHz	Pass	Inf	21.505M	19.001M	21.725M	19.095M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.82M	14.634M	19.59M	14.637M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	5.902M	4.4M	6.129M
5745MHz	Pass	500k	17.71M	30.395M	18.865M	32.112M
5785MHz	Pass	500k	18.7M	35.347M	17.545M	33.432M
5825MHz	Pass	500k	18.04M	34.383M	18.535M	33.535M
802.11be EHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	47.52M	37.951M	47.08M	37.945M
5230MHz	Pass	Inf	48.4M	37.977M	58.08M	38.126M
5270MHz	Pass	Inf	47.63M	38.035M	57.2M	38.108M
5310MHz	Pass	Inf	50.71M	37.916M	48.95M	37.909M
5510MHz	Pass	Inf	51.81M	37.999M	49.28M	37.955M
5550MHz	Pass	Inf	41.14M	37.973M	51.7M	38.042M
5670MHz	Pass	Inf	47.41M	37.964M	49.06M	37.883M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	48.755M	33.984M	47.67M	33.943M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	17.905M	3.88M	20.121M
5755MHz	Pass	500k	37.73M	38.811M	37.73M	43.549M
5795MHz	Pass	500k	37.73M	45.912M	37.4M	46.262M
802.11be EHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	90.2M	77.445M	96.14M	77.504M
5290MHz	Pass	Inf	106.04M	77.447M	86.9M	77.488M
5530MHz	Pass	Inf	86.9M	77.412M	88.22M	77.522M
5610MHz	Pass	Inf	99.66M	77.645M	98.34M	77.452M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	91.5M	73.42M	91.35M	73.282M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	28.302M	3.84M	24.784M
5775MHz	Pass	500k	75.68M	77.506M	76.34M	77.542M
802.11be EHT160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	77.266M	81.2M	77.281M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.6M	77.46M	81.52M	77.563M
5570MHz	Pass	Inf	164.12M	156.46M	164.56M	156.449M
802.11be EHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	29.645M	19.242M	35.585M	19.236M
5200MHz	Pass	Inf	39.82M	19.301M	37.18M	19.533M

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5240MHz	Pass	Inf	31.845M	19.293M	37.785M	19.579M
5260MHz	Pass	Inf	26.235M	19.17M	29.755M	19.18M
5300MHz	Pass	Inf	35.31M	19.257M	35.09M	19.373M
5320MHz	Pass	Inf	28.985M	19.24M	30.36M	19.207M
5500MHz	Pass	Inf	28.38M	19.18M	28.71M	19.203M
5580MHz	Pass	Inf	26.07M	19.154M	27.39M	19.221M
5700MHz	Pass	Inf	21.835M	19.092M	21.89M	19.115M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	20.025M	14.758M	23.01M	14.72M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.42M	8.124M	4.5M	8.196M
5745MHz	Pass	500k	18.15M	28.29M	18.645M	29.855M
5785MHz	Pass	500k	16.445M	34.609M	17.105M	32.535M
5825MHz	Pass	500k	18.04M	34.031M	17.05M	33.008M
802.11be EHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	42.35M	37.986M	43.12M	37.893M
5230MHz	Pass	Inf	42.46M	37.959M	69.08M	38.223M
5270MHz	Pass	Inf	47.63M	38.003M	54.56M	38.057M
5310MHz	Pass	Inf	42.9M	37.977M	45.21M	37.9M
5510MHz	Pass	Inf	46.09M	37.899M	50.27M	37.943M
5550MHz	Pass	Inf	46.97M	37.938M	42.79M	37.973M
5670MHz	Pass	Inf	42.9M	37.882M	41.69M	37.882M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	43.54M	33.926M	47.32M	33.957M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	18.134M	3.82M	19.972M
5755MHz	Pass	500k	37.73M	39.393M	37.18M	47.138M
5795MHz	Pass	500k	37.73M	53.926M	37.51M	58.15M
802.11be EHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	90.86M	77.396M	86.68M	77.417M
5290MHz	Pass	Inf	86.9M	77.393M	87.12M	77.475M
5530MHz	Pass	Inf	88M	77.541M	89.54M	77.417M
5610MHz	Pass	Inf	105.82M	77.488M	86.46M	77.391M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	83.475M	73.368M	79.35M	73.351M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.46M	29.253M	3.72M	23.927M
5775MHz	Pass	500k	75.68M	77.479M	76.56M	77.628M
802.11be EHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.2M	77.329M	81.2M	77.338M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.68M	77.313M	81.44M	77.485M
5570MHz	Pass	Inf	164.12M	156.214M	165.44M	156.41M

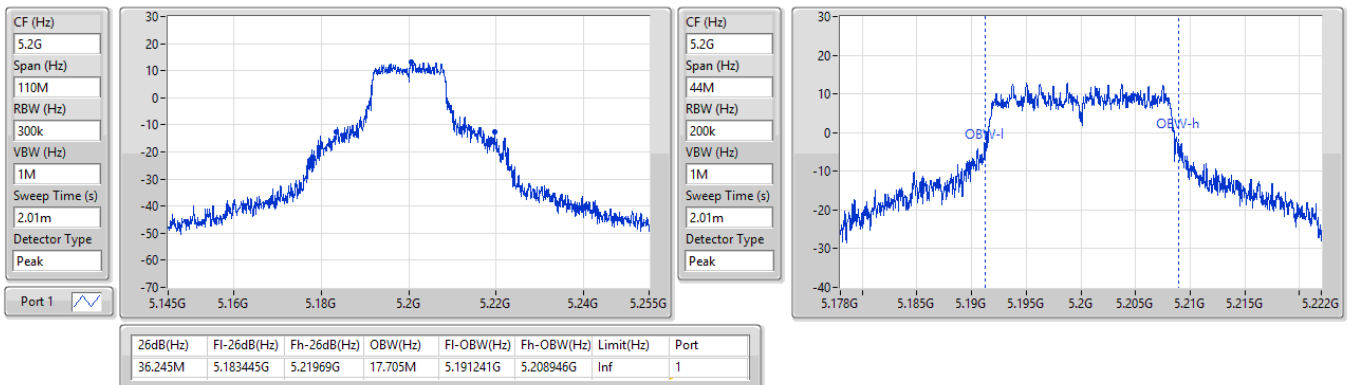
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

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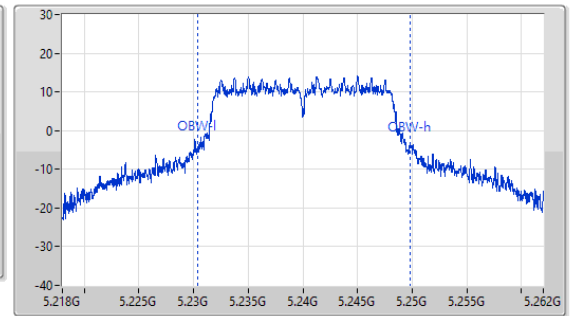
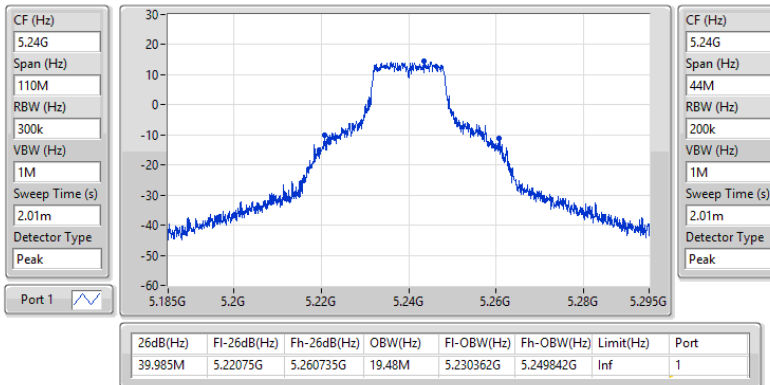

5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5200MHz

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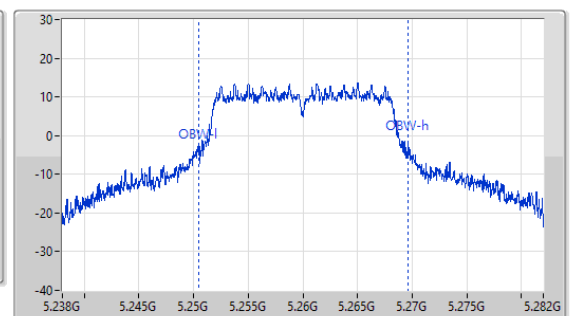
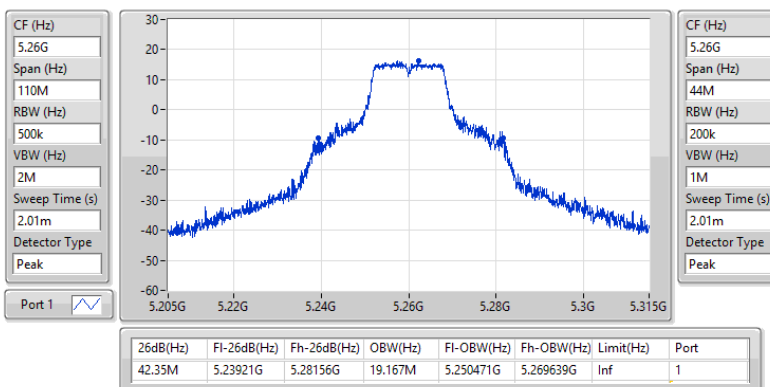


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5240MHz

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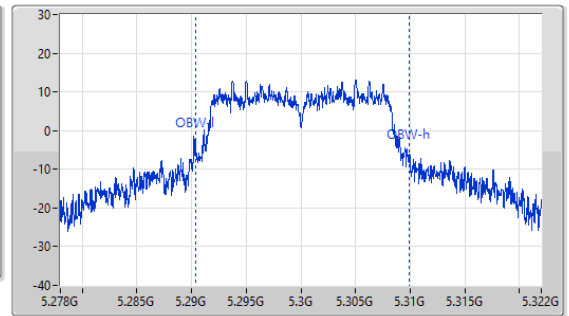
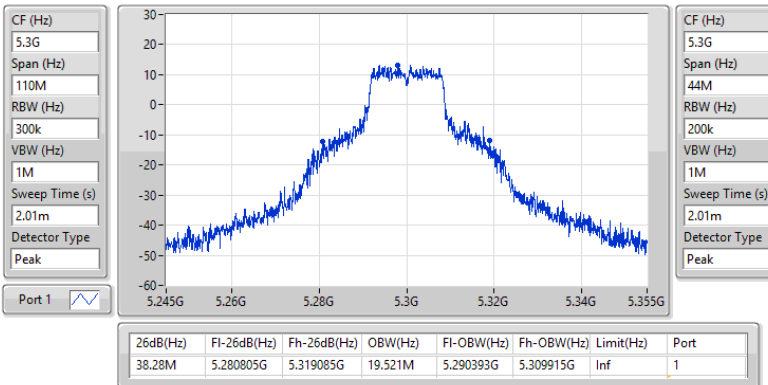

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5260MHz

07/07/2026

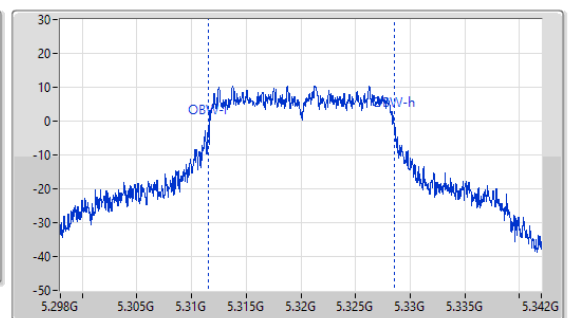
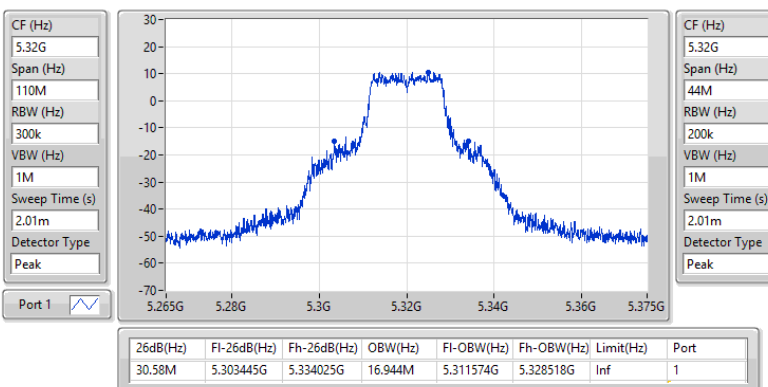


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5300MHz

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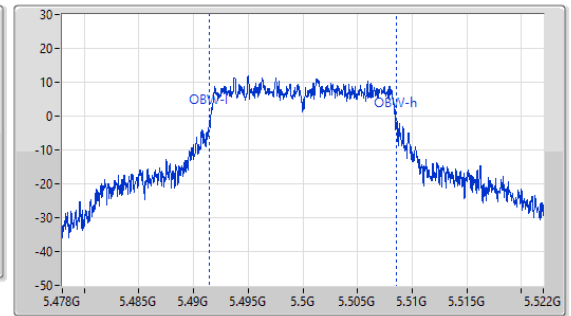
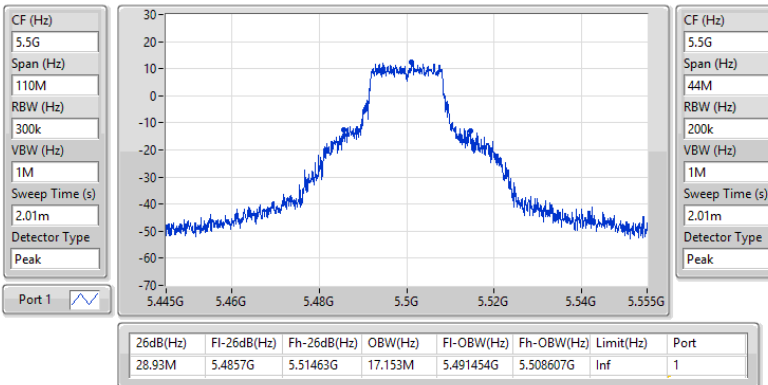

5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5320MHz

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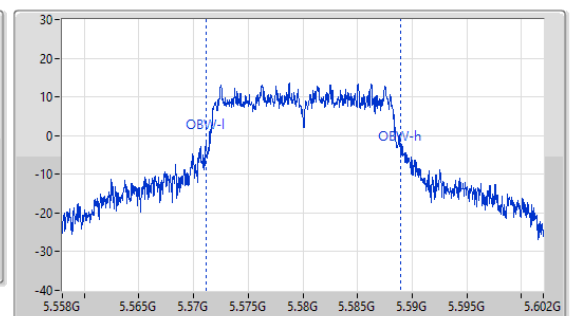
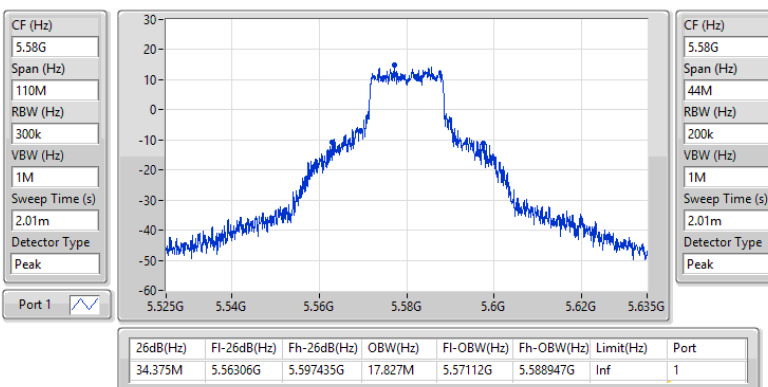


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5500MHz

07/07/2026


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

07/07/2026

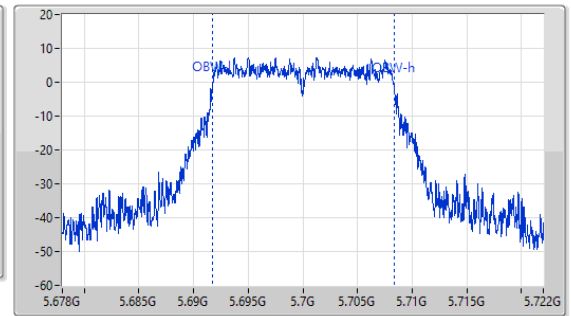
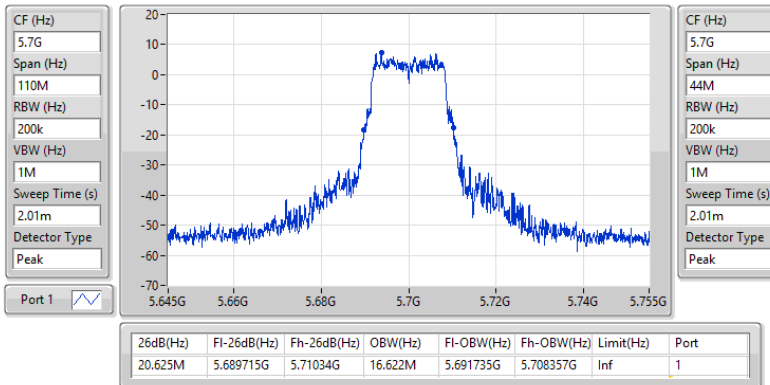


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5700MHz

07/07/2026

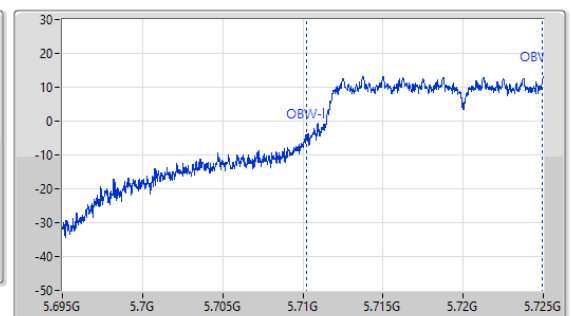
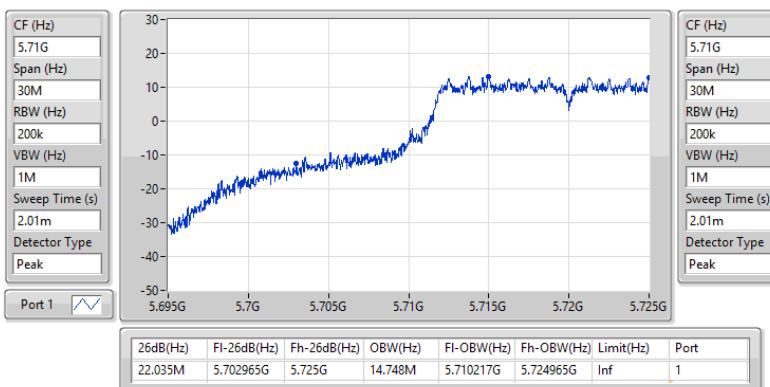


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/07/2026

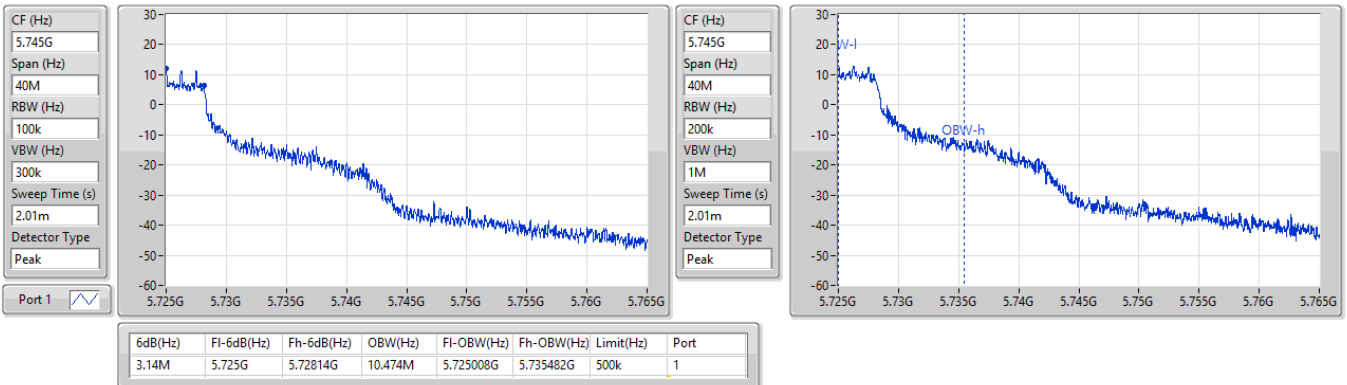


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/07/2026

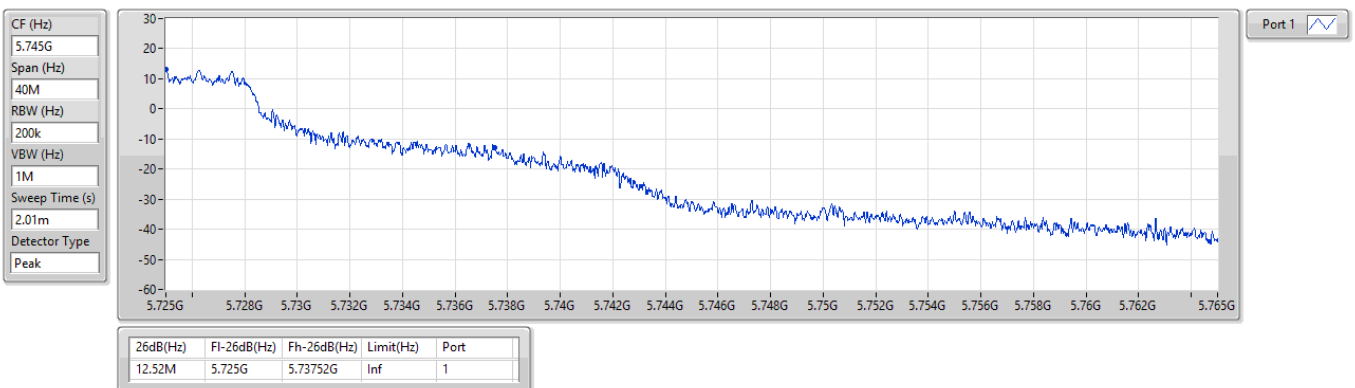


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/07/2026

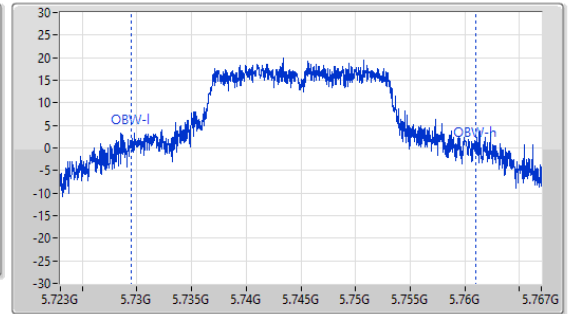
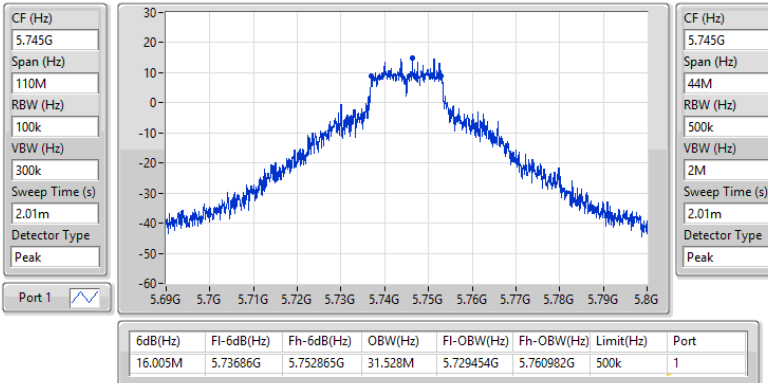


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5745MHz

07/07/2026

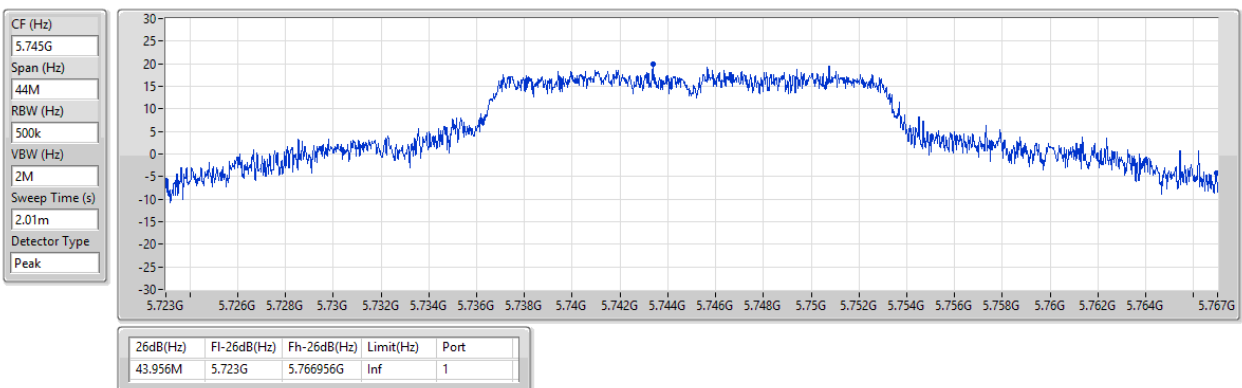


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

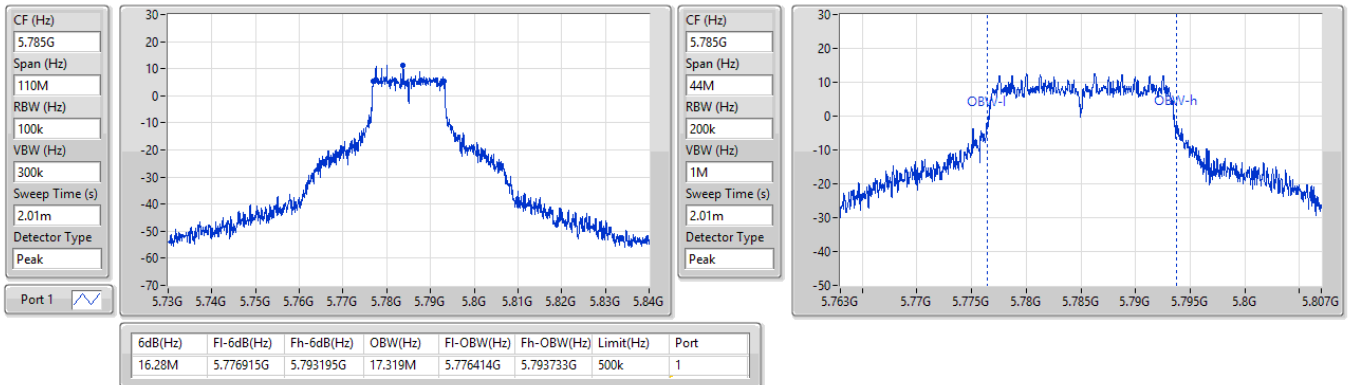
5745MHz

07/07/2026

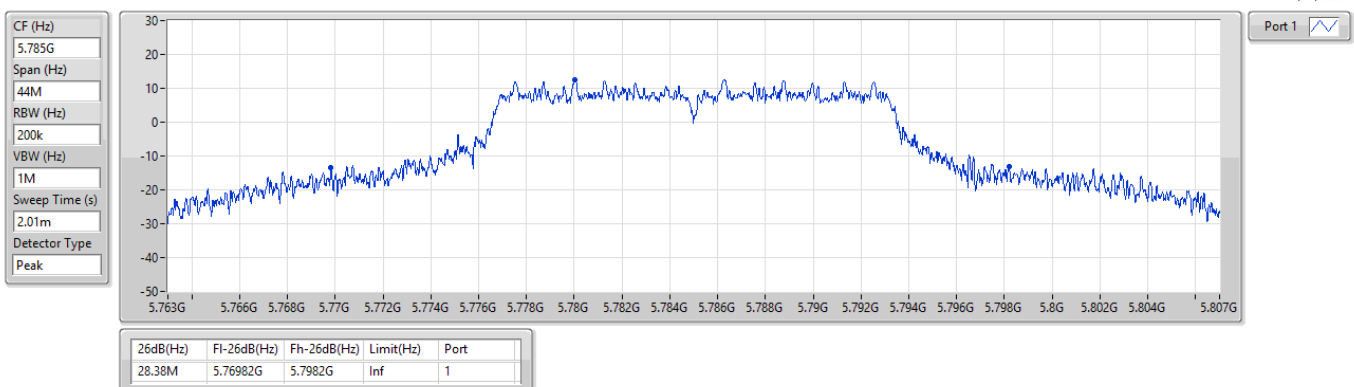


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5785MHz

07/07/2026


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX
EBW
5785MHz

07/07/2026

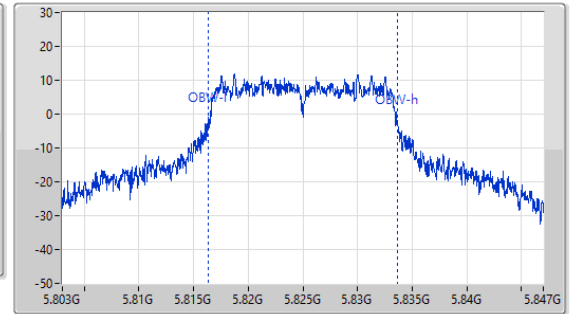
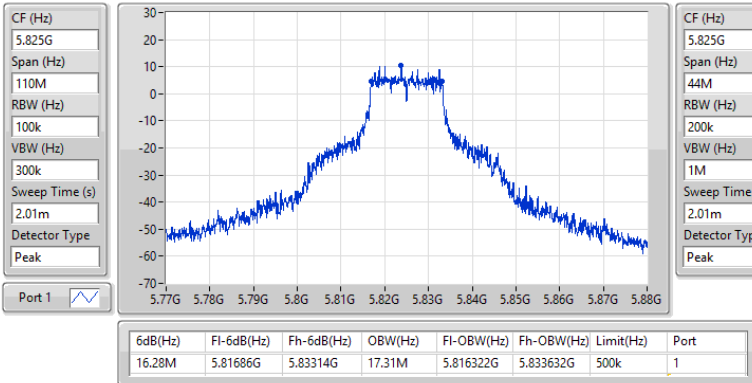


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

07/07/2026

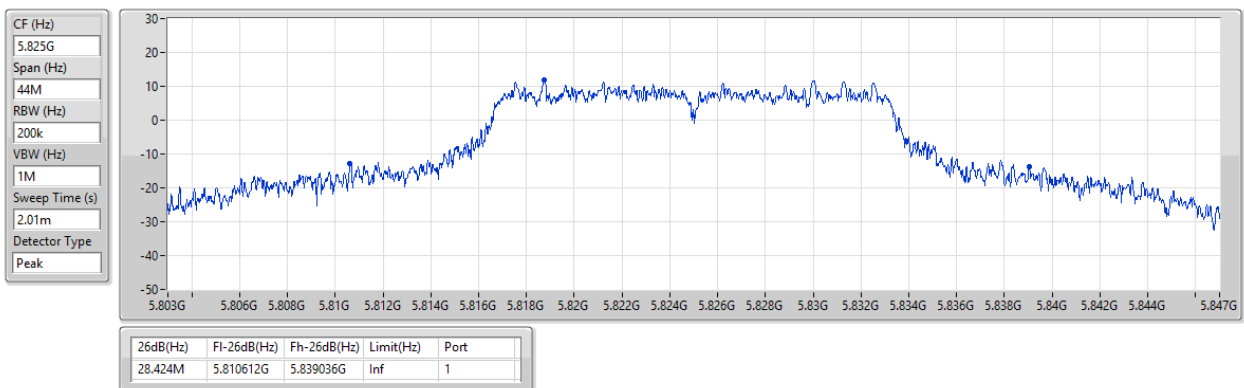


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

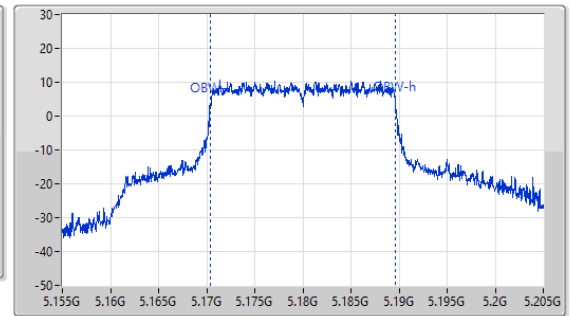
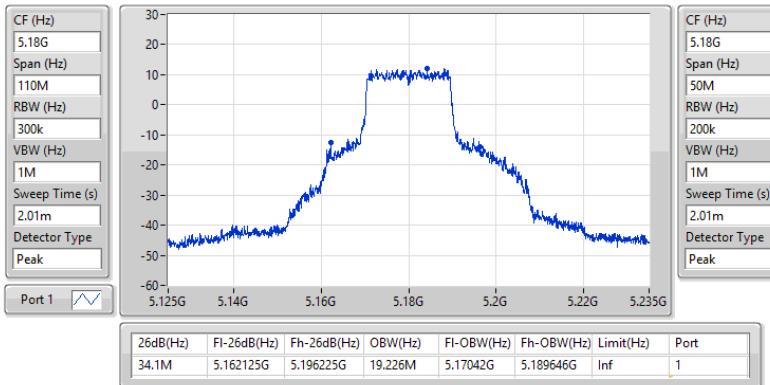
5825MHz

07/07/2026

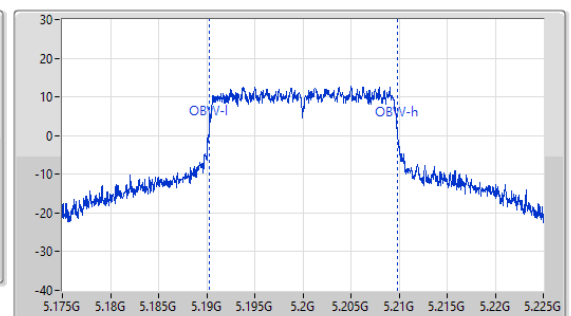
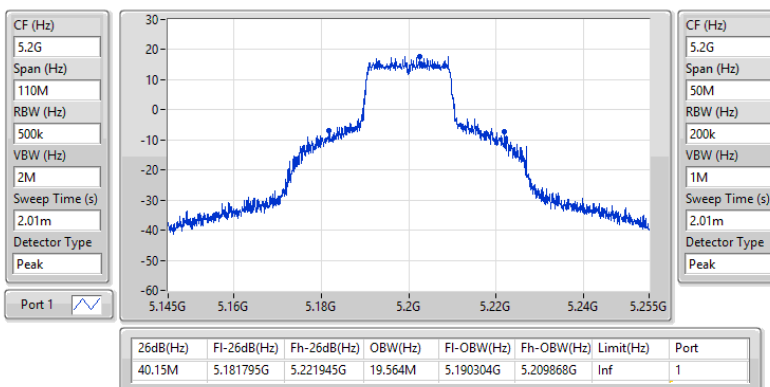


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5180MHz

07/07/2026

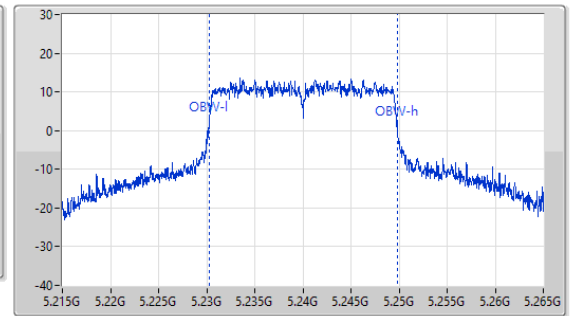
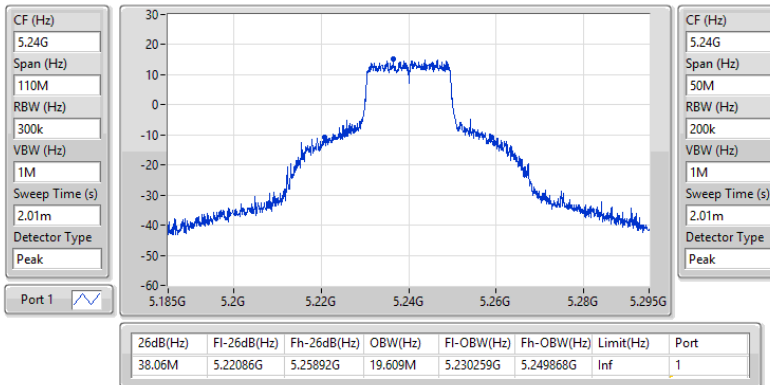

5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5200MHz

07/07/2026

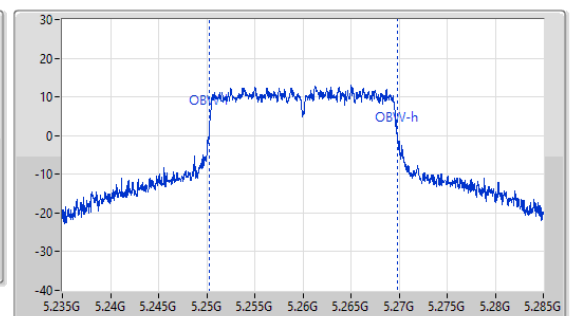
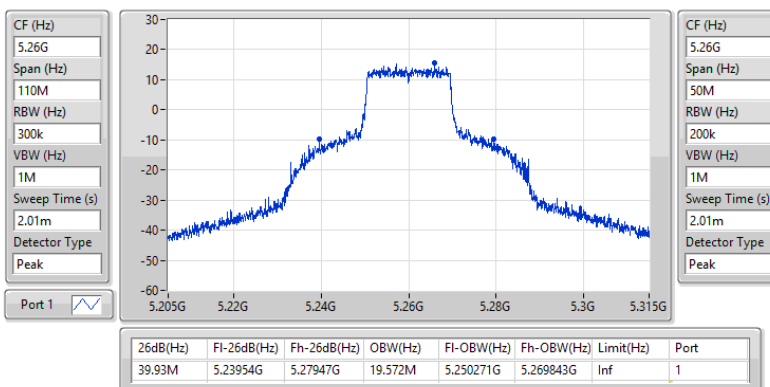


5.15-5.25GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5240MHz

07/07/2026


5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5260MHz

07/07/2026

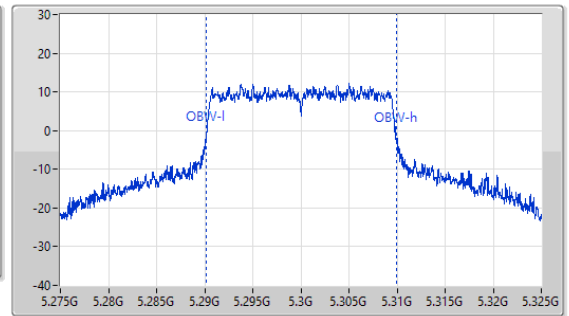
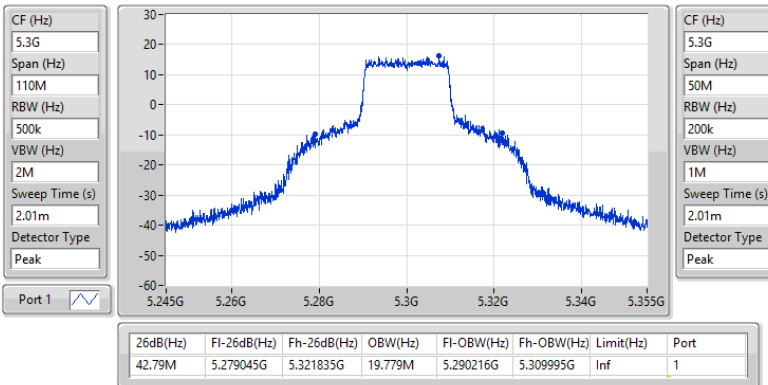


5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5300MHz

07/07/2026

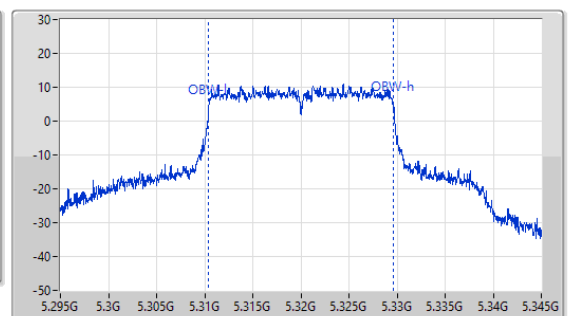
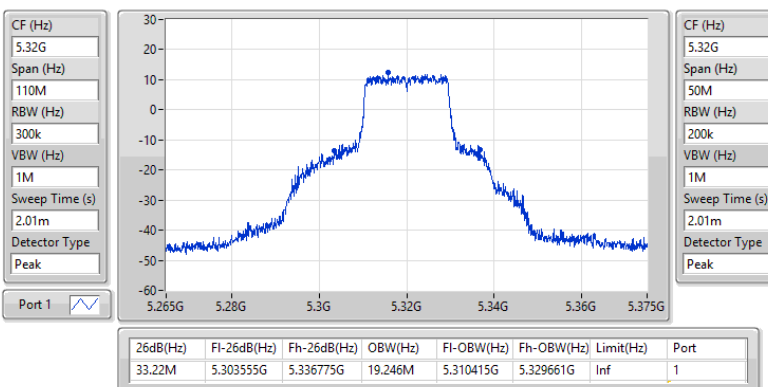


5.25-5.35GHz 802.11be EHT20_Nss1,(MCS0)_1TX

EBW

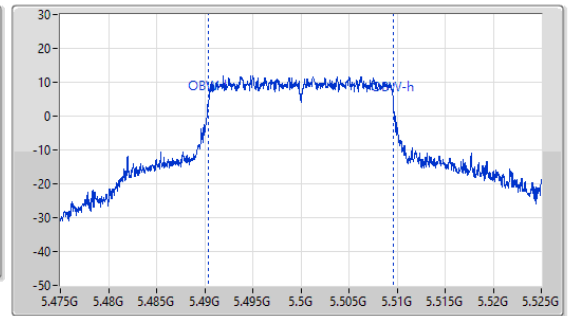
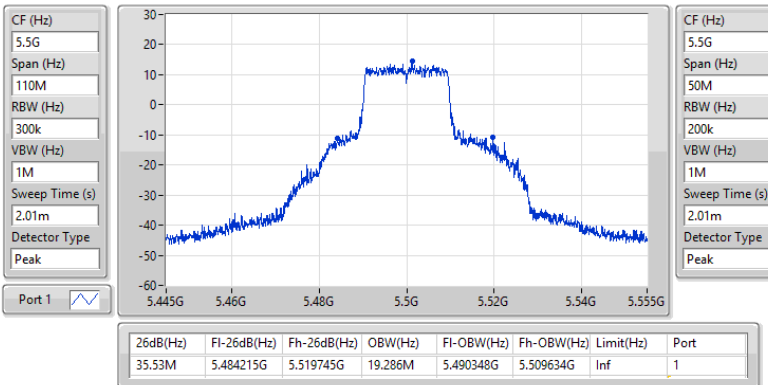
5320MHz

07/07/2026

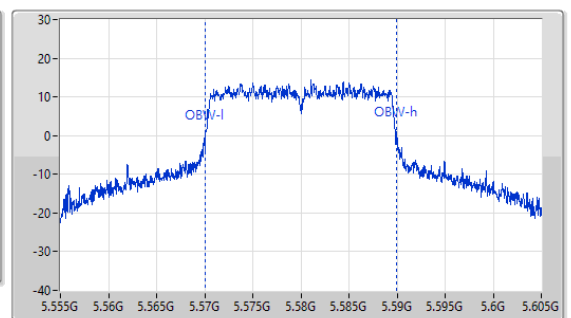
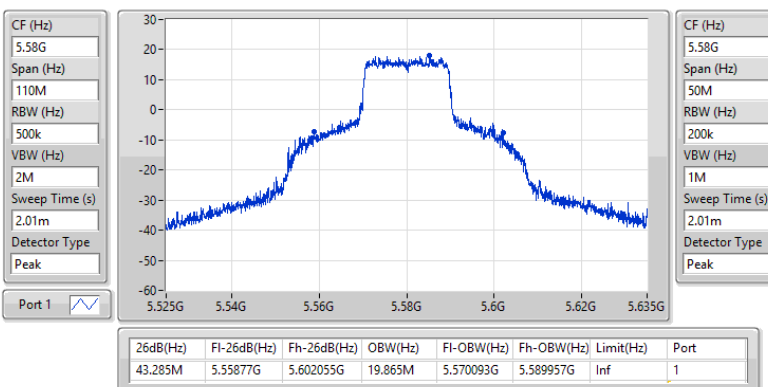


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5500MHz

07/07/2026


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

07/07/2026

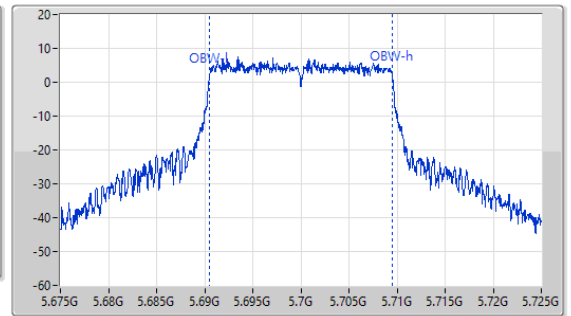
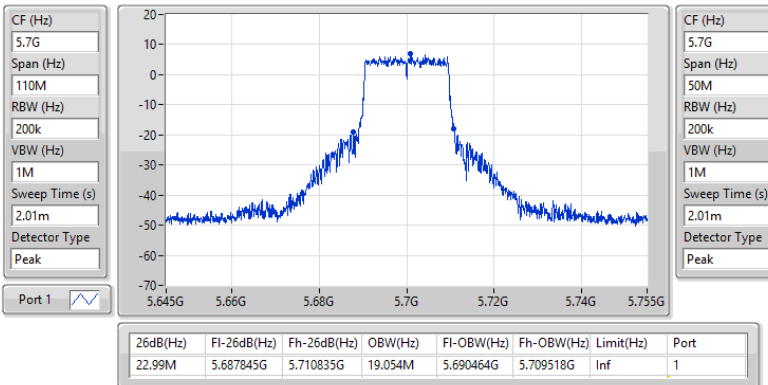


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5700MHz

07/07/2026

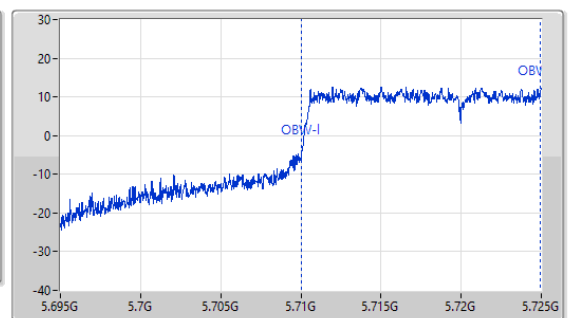
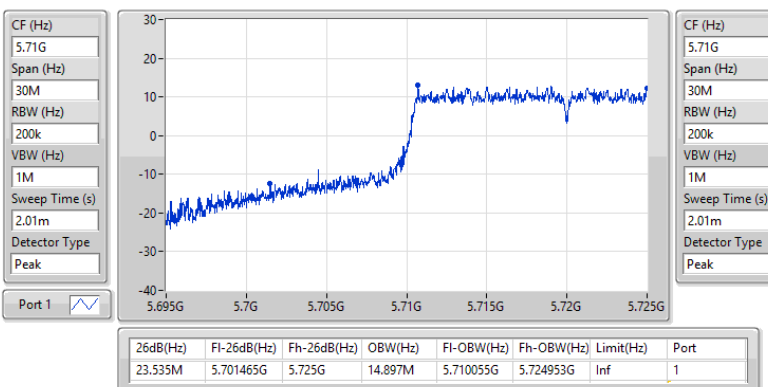


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

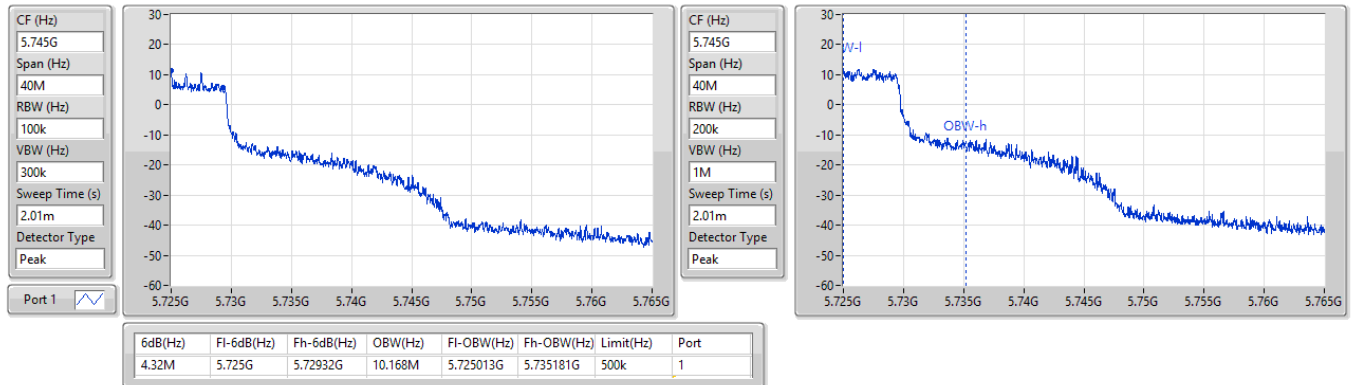
5720MHz Straddle 5.47-5.725GHz

07/07/2026

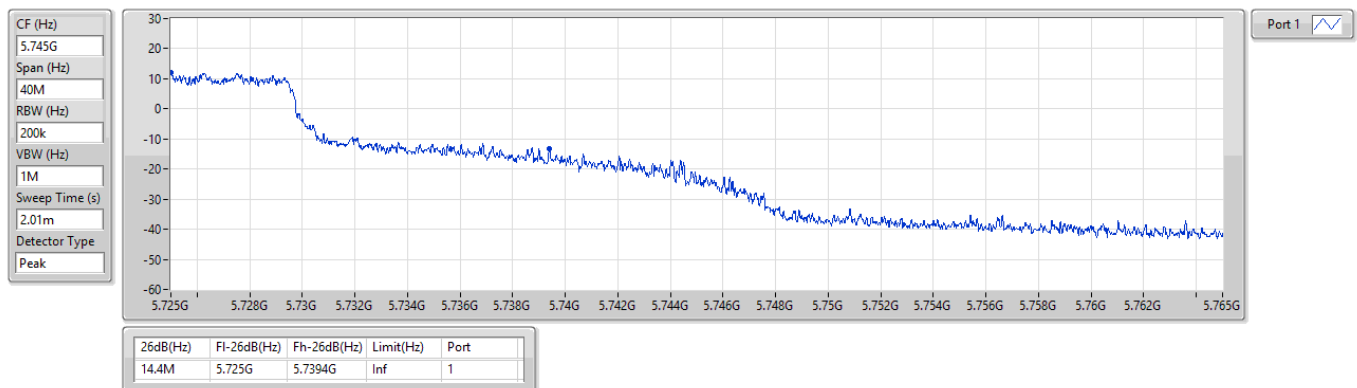


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

07/07/2026

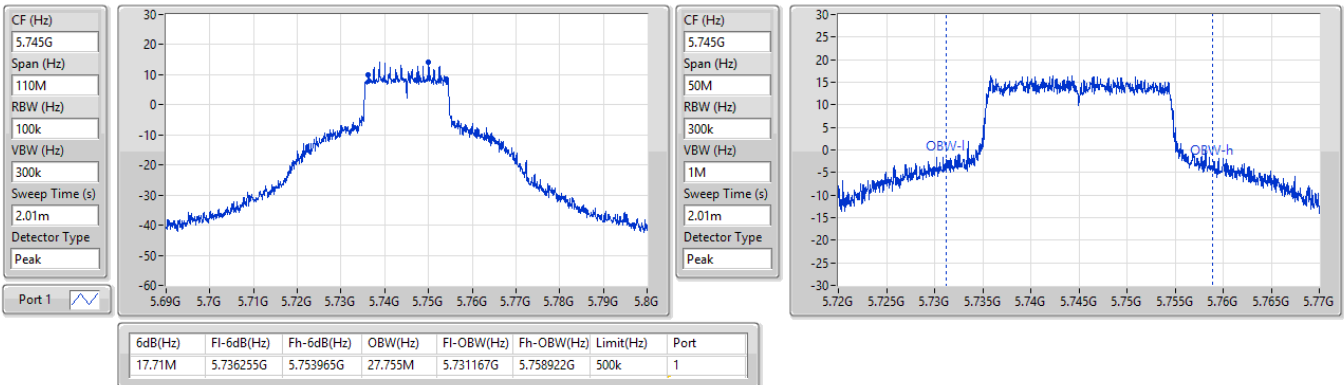

5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.725-5.85GHz

07/07/2026

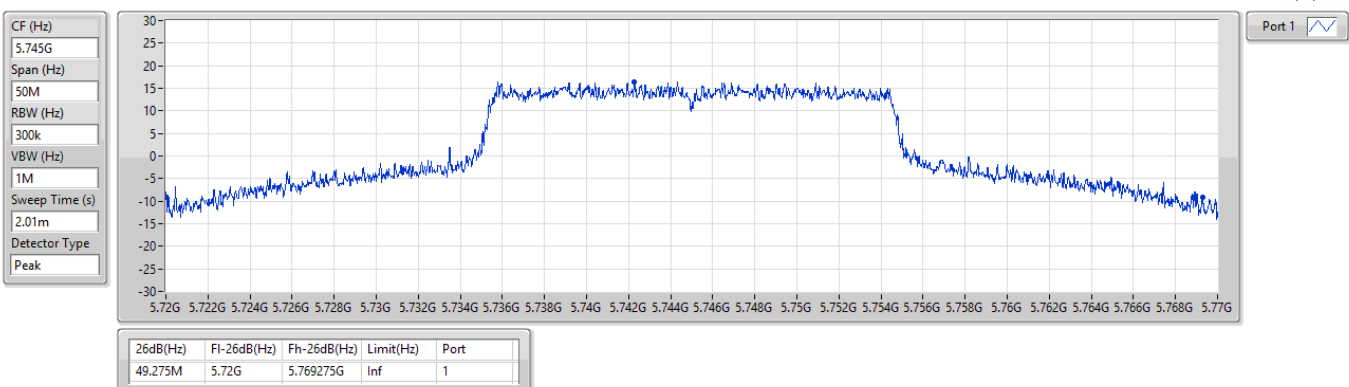


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5745MHz

07/07/2026


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX
EBW
5745MHz

07/07/2026

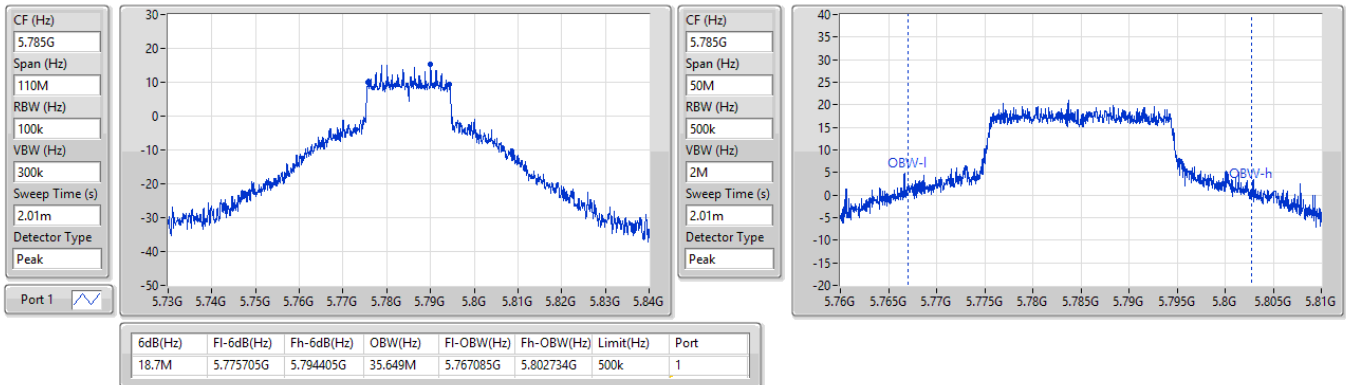


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

07/07/2026

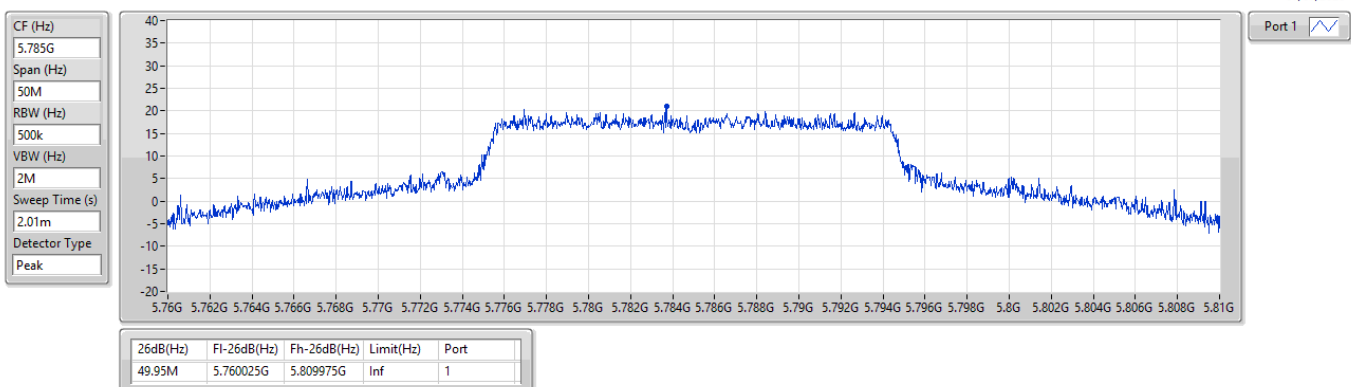


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

07/07/2026

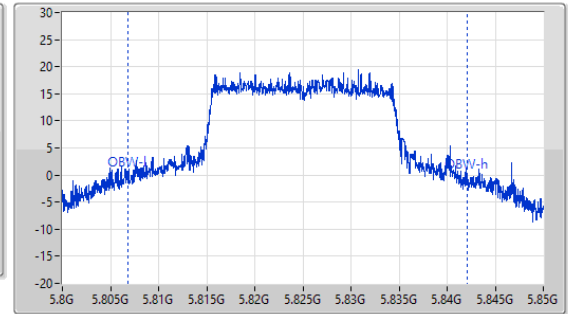
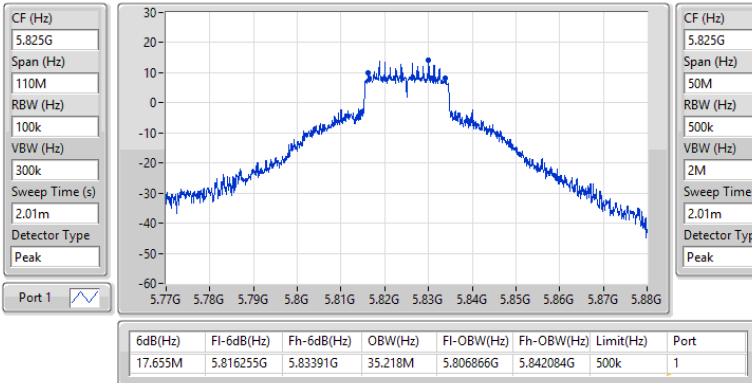


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

5825MHz

07/07/2026

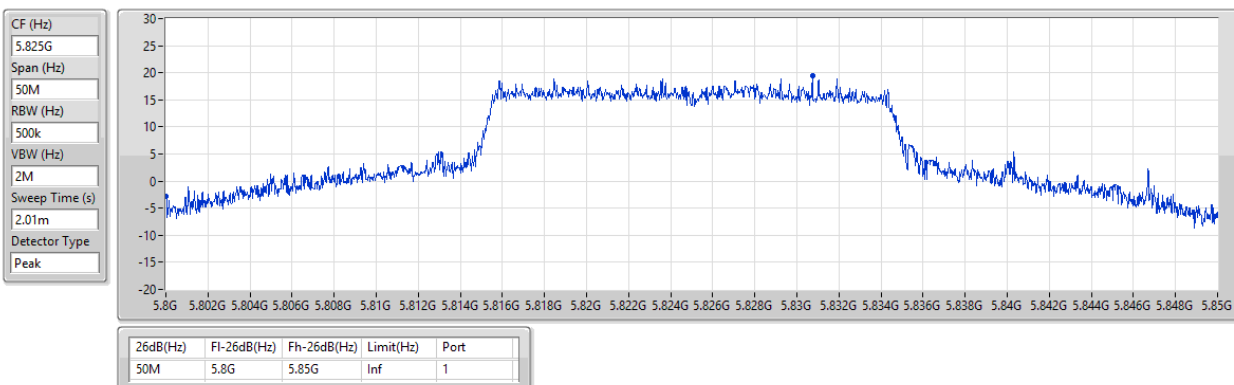


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_1TX

EBW

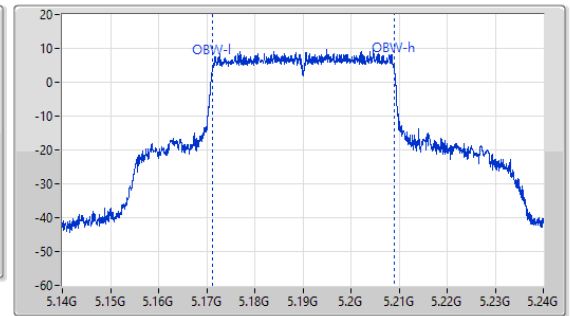
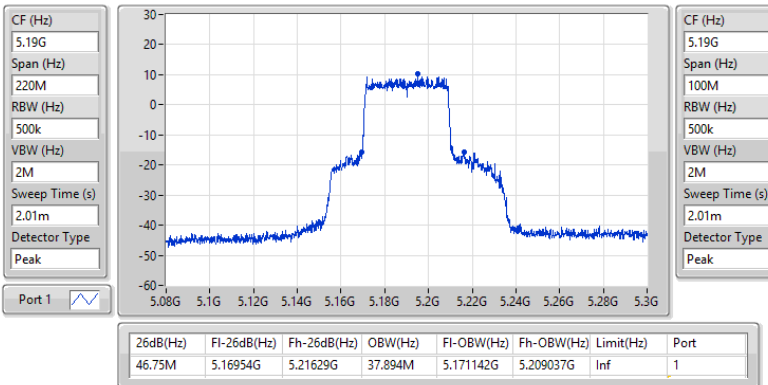
5825MHz

07/07/2026

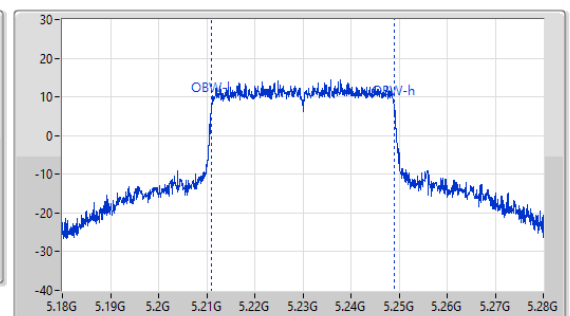
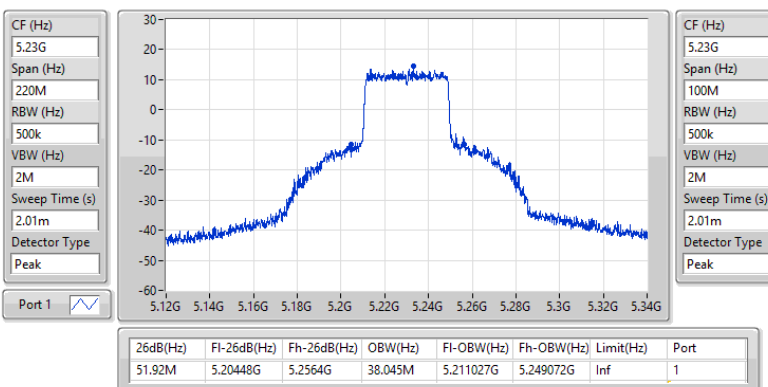


5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5190MHz

07/07/2026

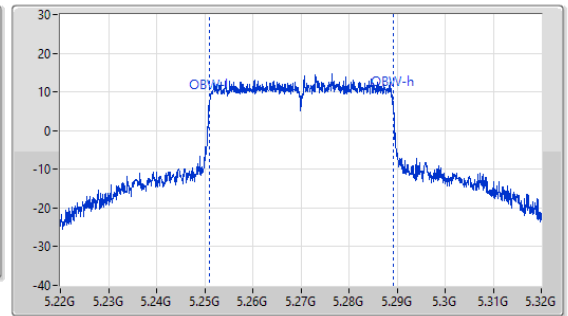
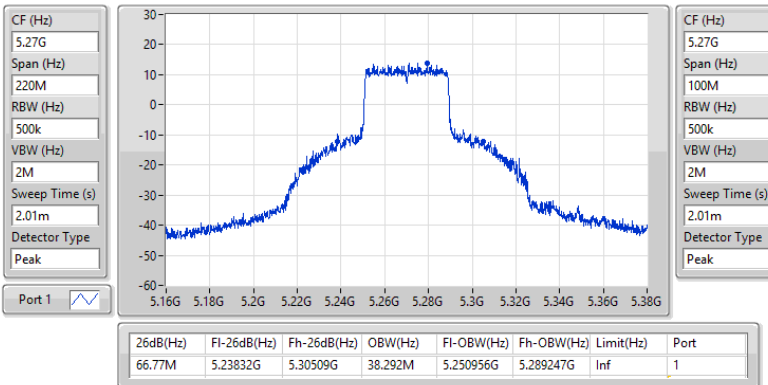

5.15-5.25GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5230MHz

07/07/2026

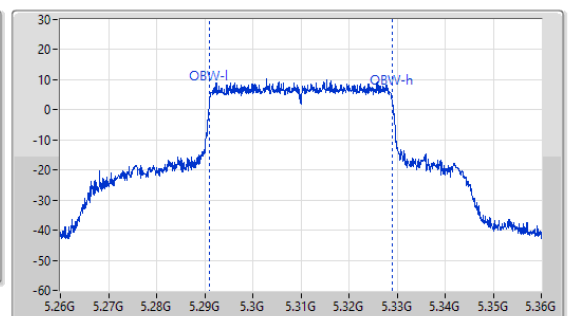
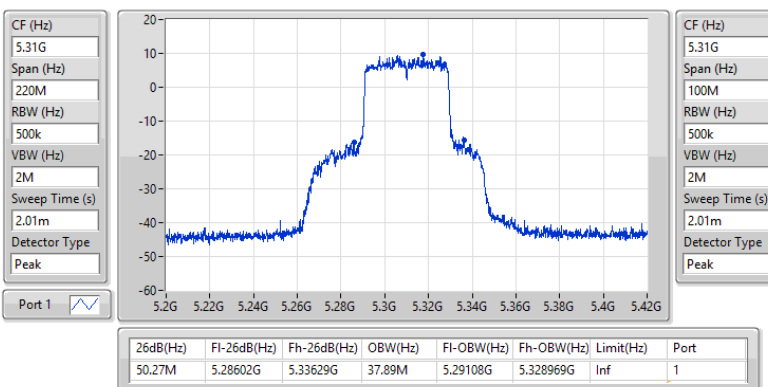


5.25-5.35GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5270MHz

07/07/2026

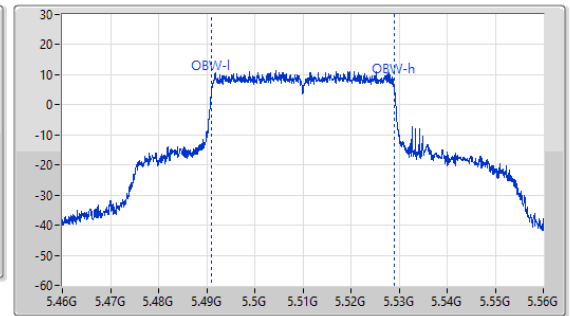
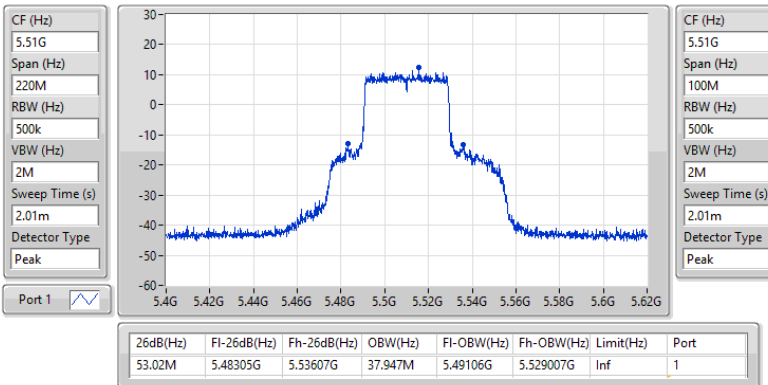

5.25-5.35GHz 802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5310MHz

07/07/2026

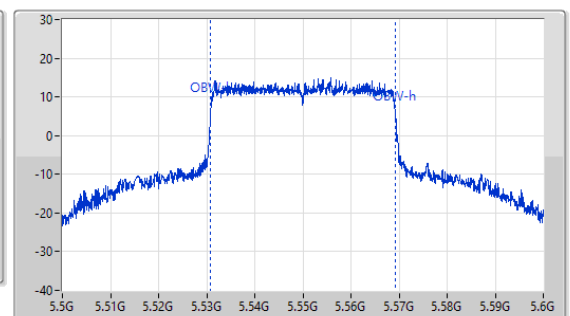
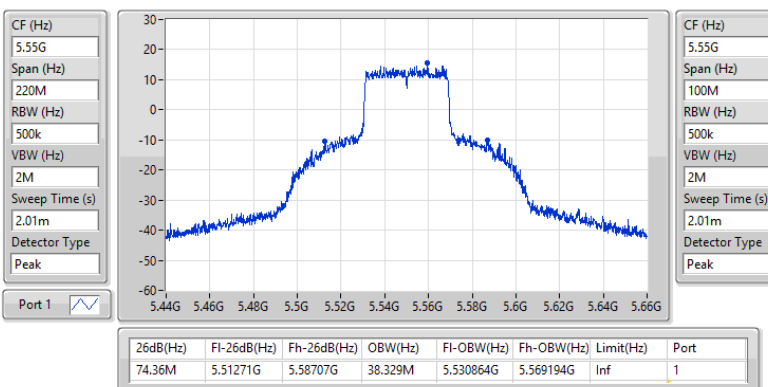


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5510MHz

07/07/2026

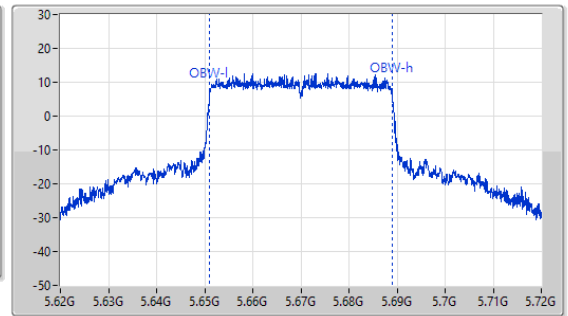
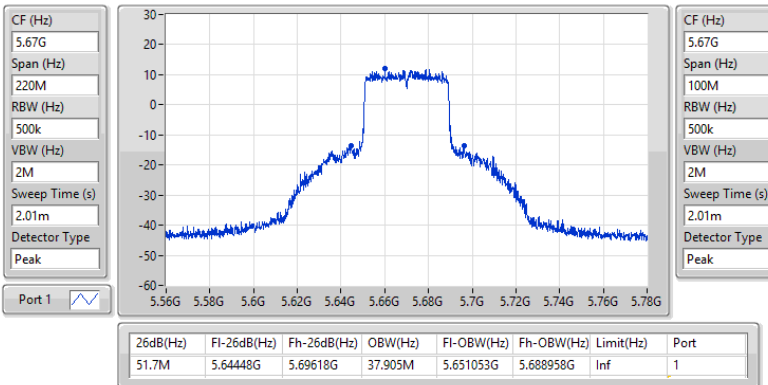

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5550MHz

07/07/2026

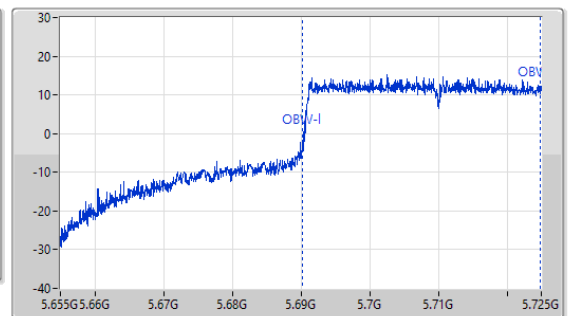
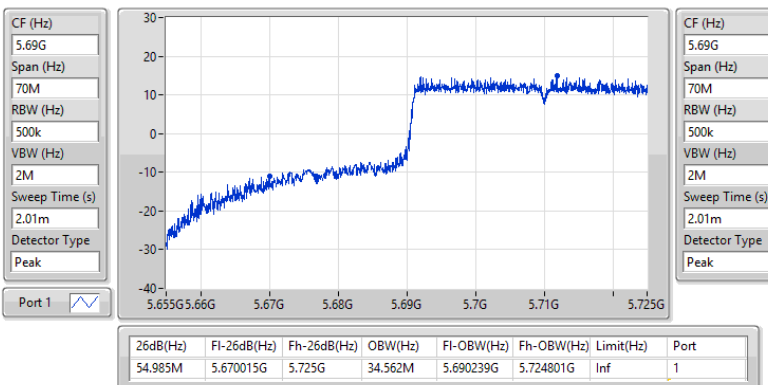


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5670MHz

07/07/2026

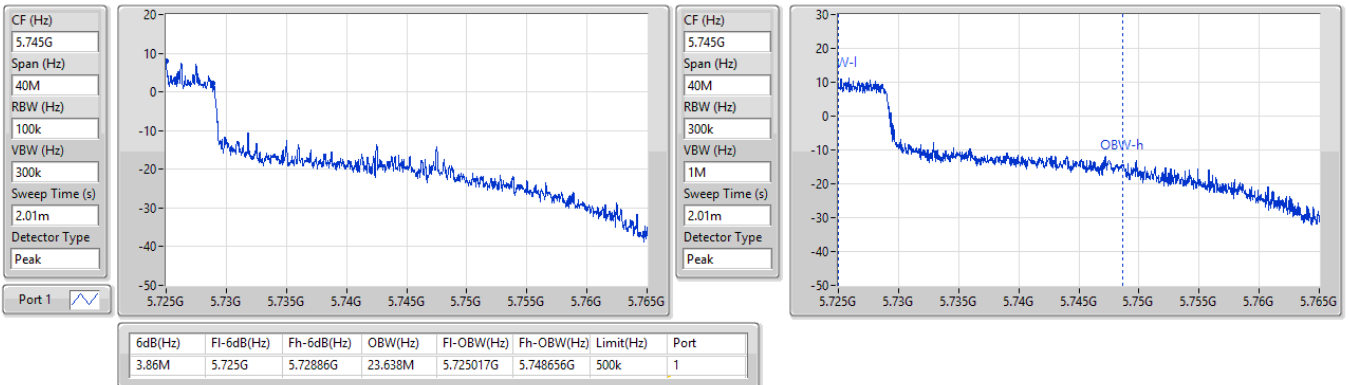

5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.47-5.725GHz

07/07/2026

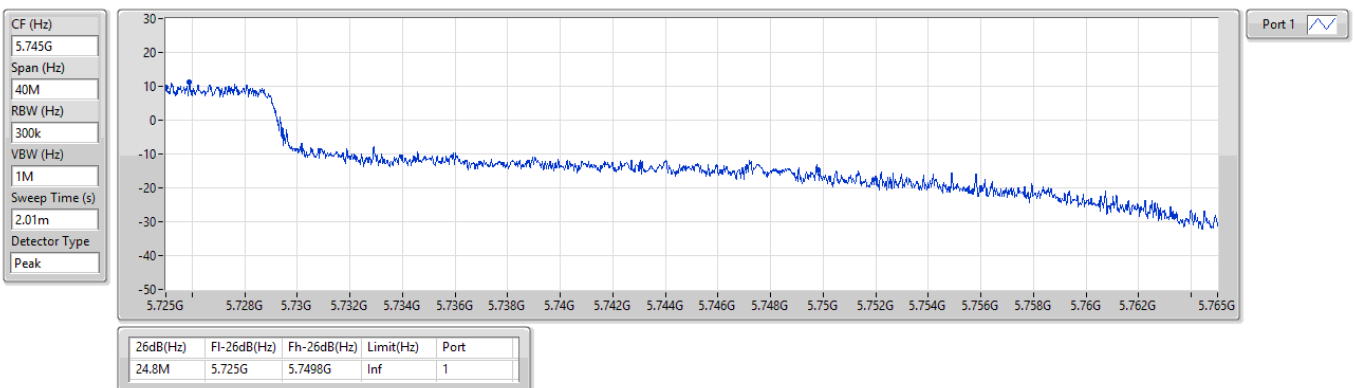


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.725-5.85GHz

07/07/2026

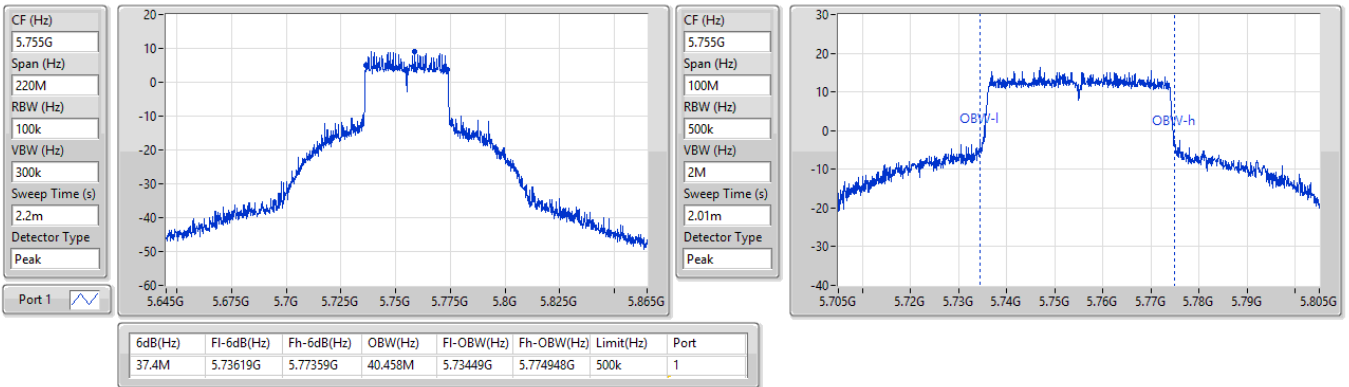

5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5710MHz Straddle 5.725-5.85GHz

07/07/2026

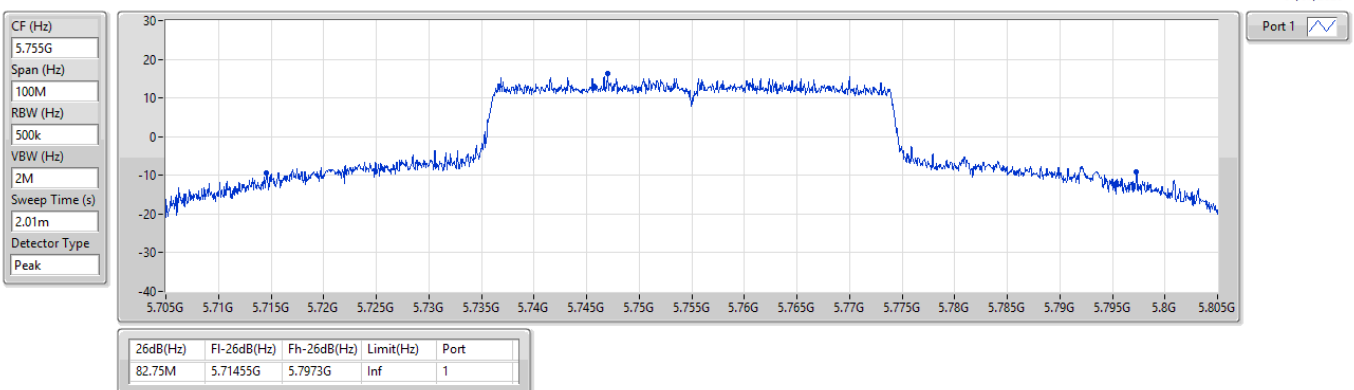


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5755MHz

07/07/2026


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX
EBW
5755MHz

07/07/2026

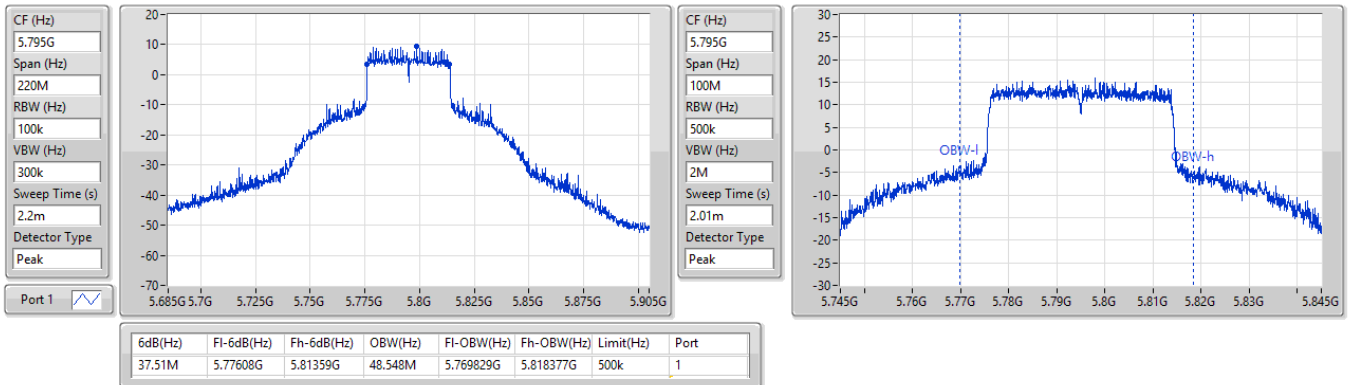


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

5795MHz

07/07/2026

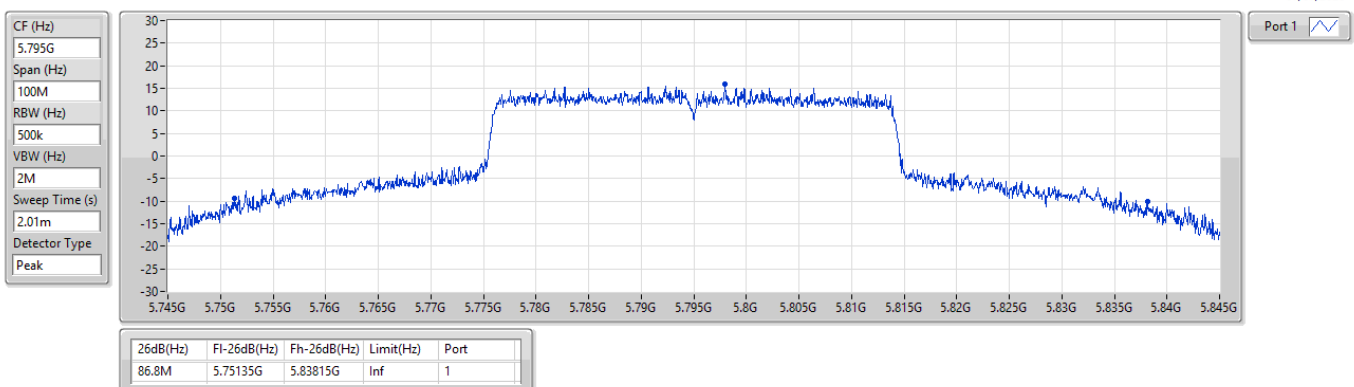


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_1TX

EBW

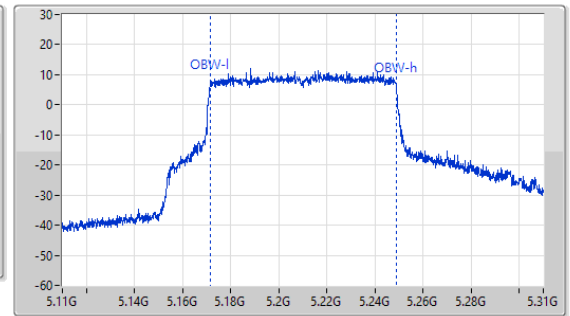
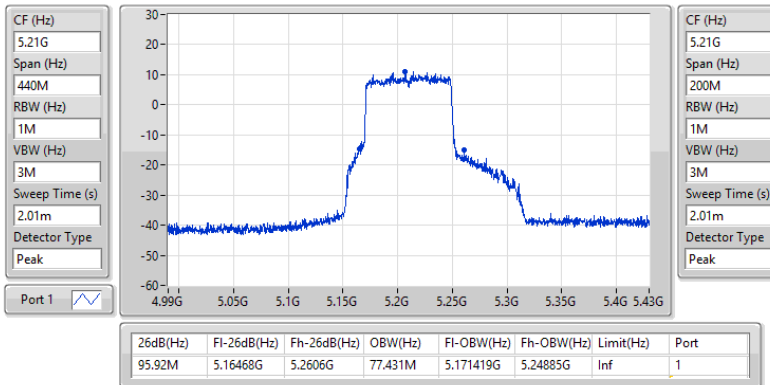
5795MHz

07/07/2026

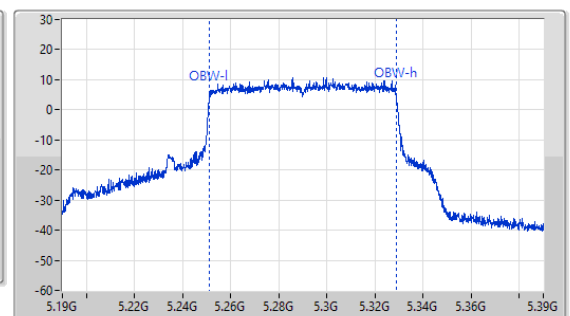
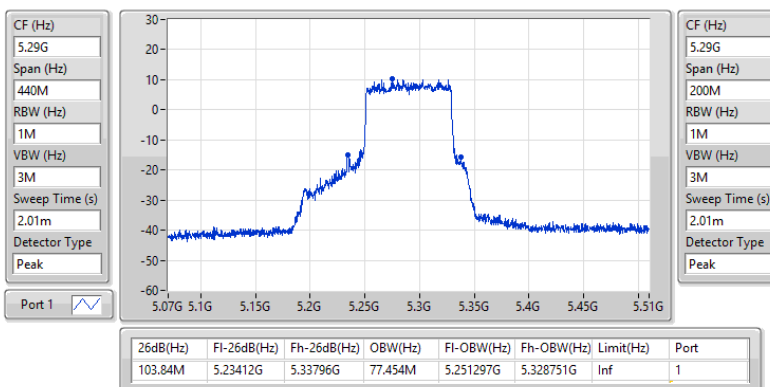


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5210MHz

07/07/2026

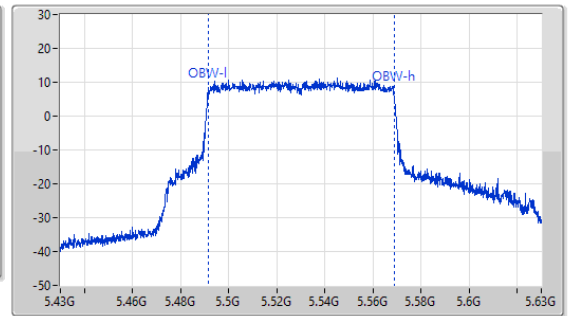
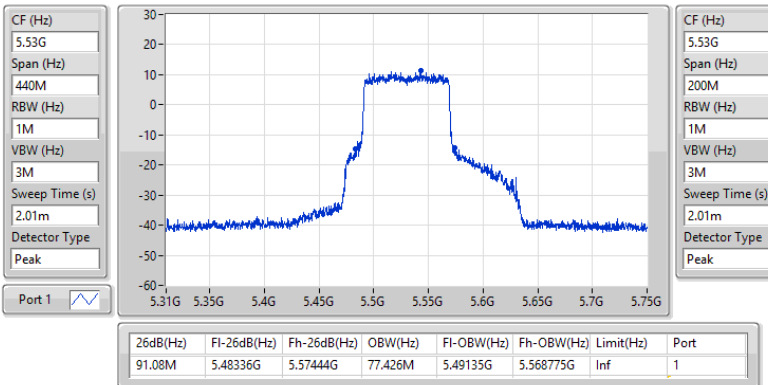

5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5290MHz

07/07/2026

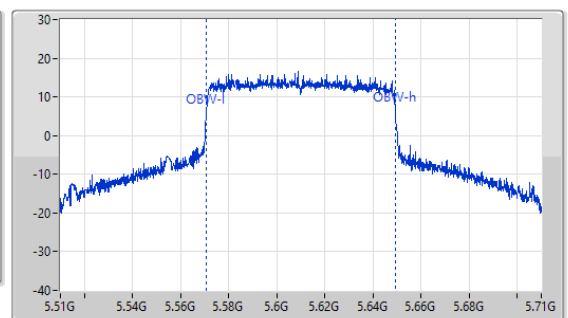
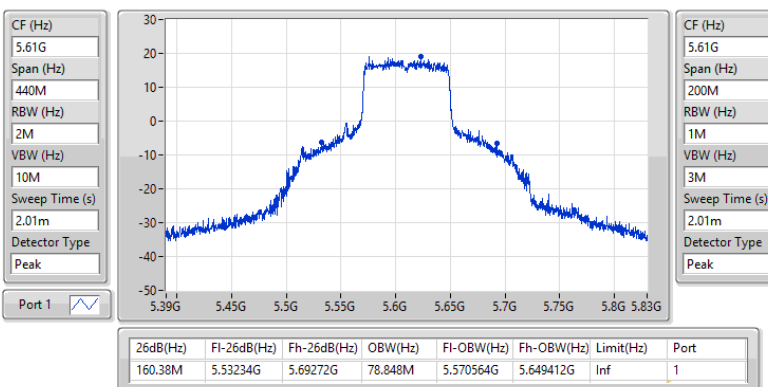


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5530MHz

07/07/2026

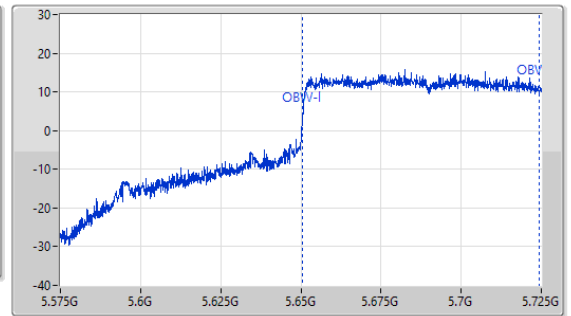
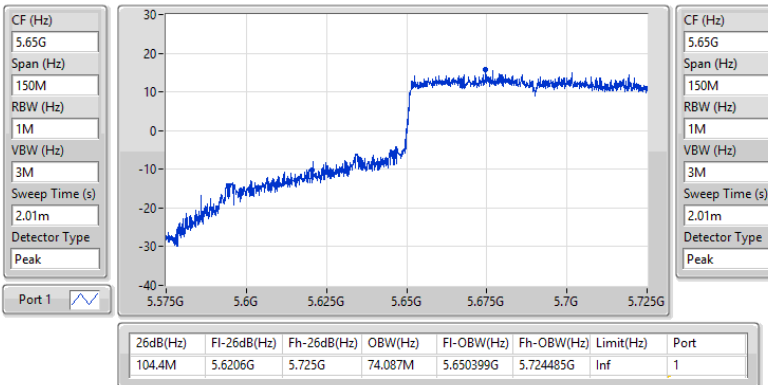

5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5610MHz

07/07/2026

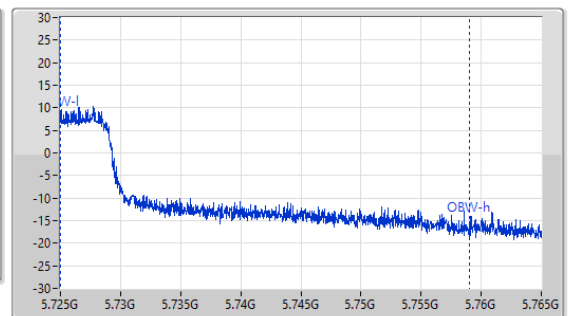
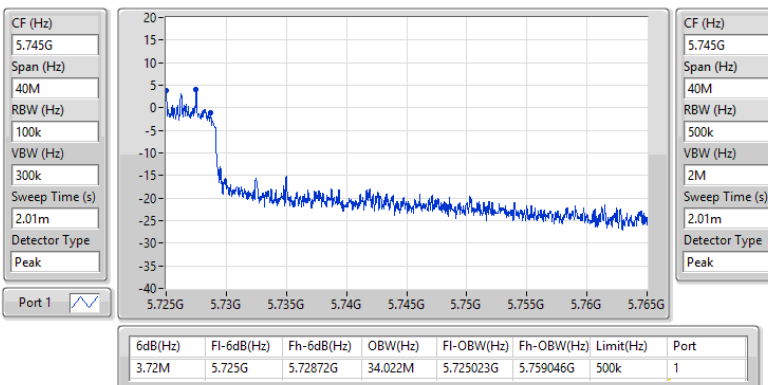


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.47-5.725GHz

07/07/2026

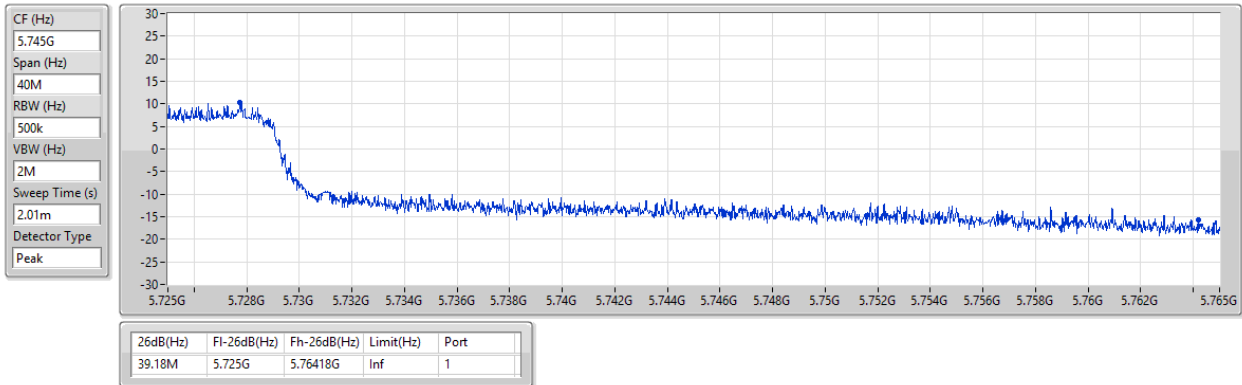

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

07/07/2026

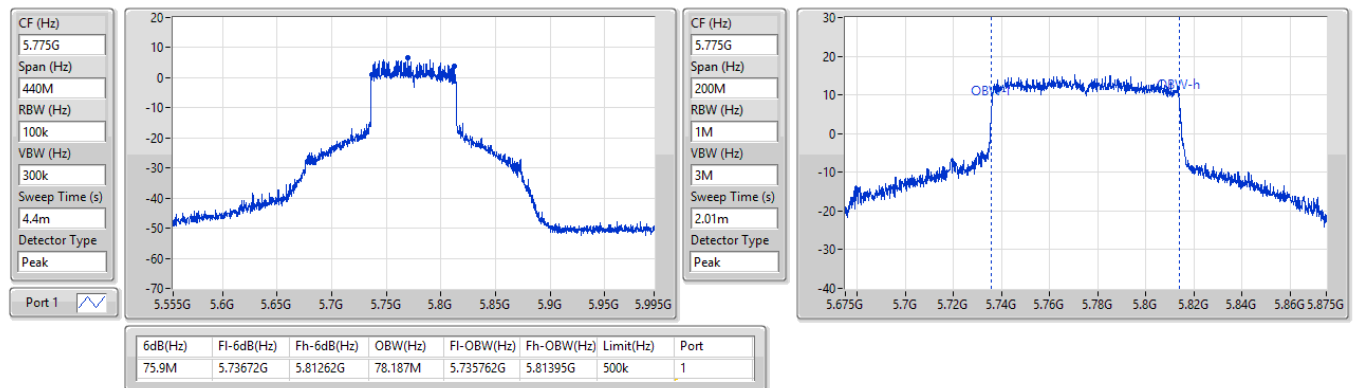


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

07/07/2026

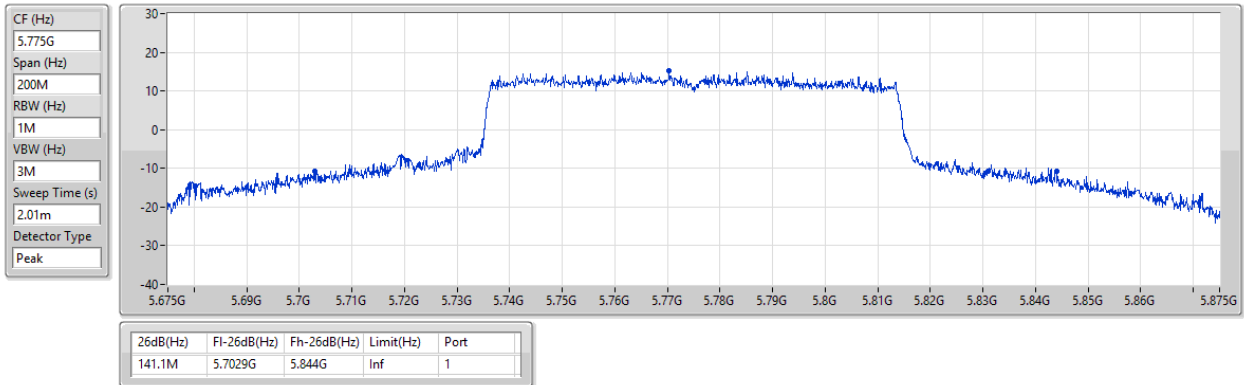

5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5775MHz

07/07/2026

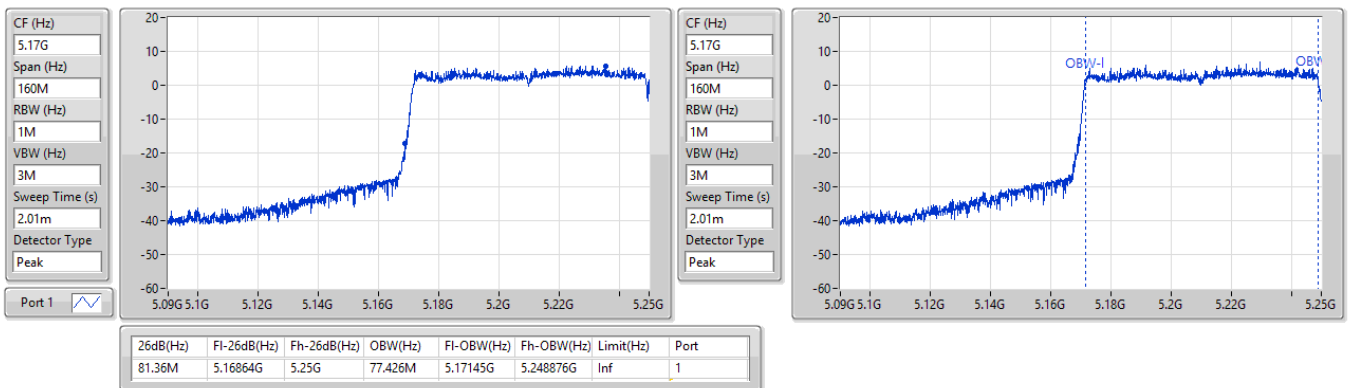


5.725-5.85GHz_802.11be EHT80_Nss1,(MCS0)_1TX
EBW
5775MHz

07/07/2026

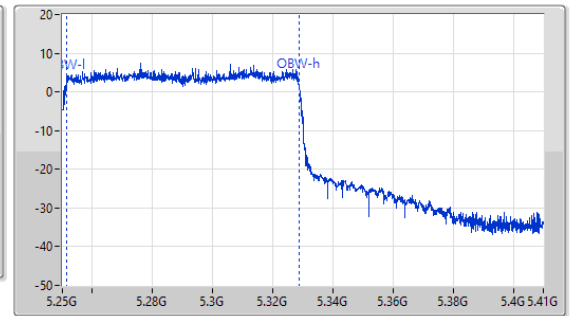
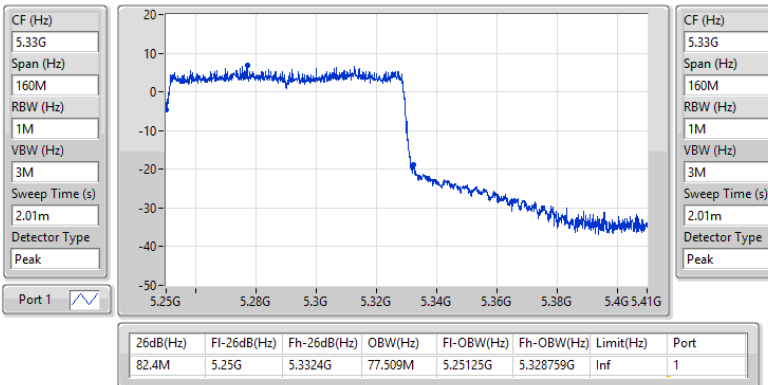

5.15-5.25GHz_802.11be EHT160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.15-5.25GHz

07/07/2026

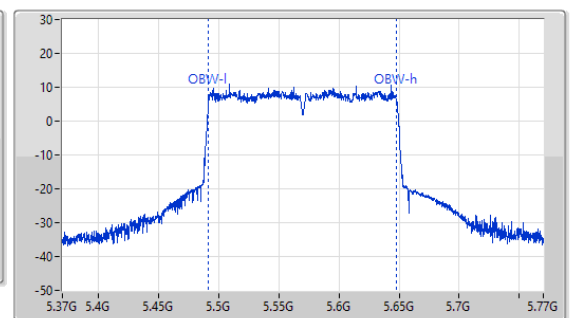
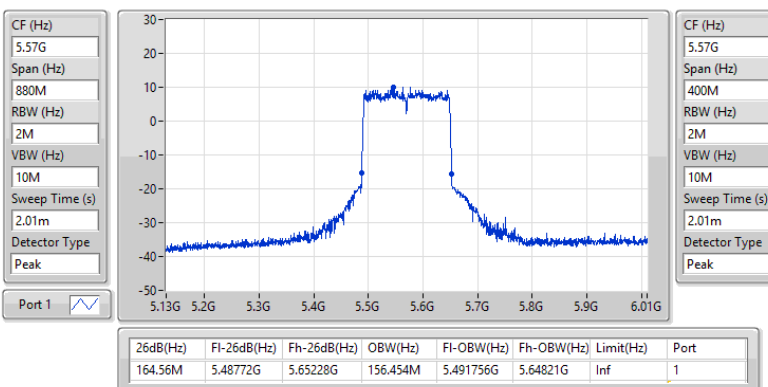


5.25-5.35GHz_802.11be EHT160_Nss1,(MCS0)_1TX
EBW
5250MHz Straddle 5.25-5.35GHz

07/07/2026

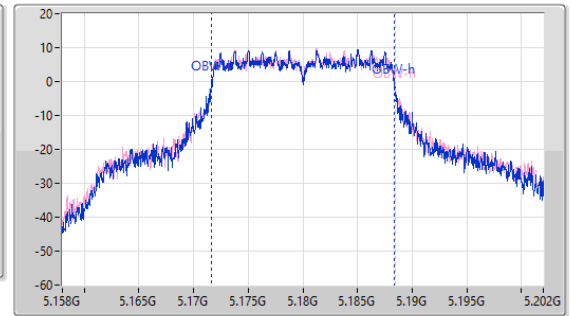
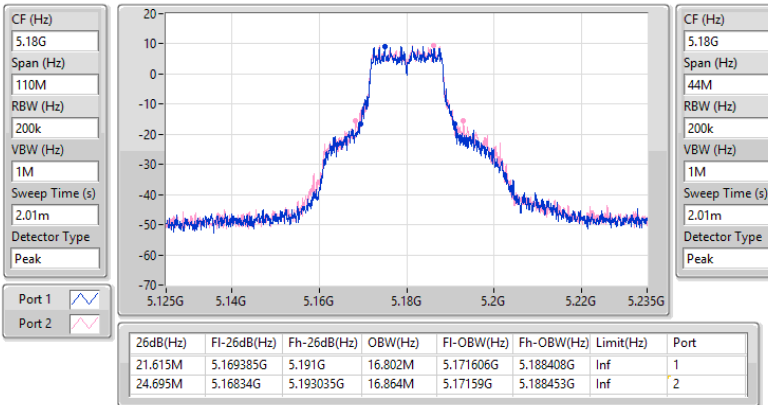

5.47-5.725GHz_802.11be EHT160_Nss1,(MCS0)_1TX
EBW
5570MHz

07/07/2026

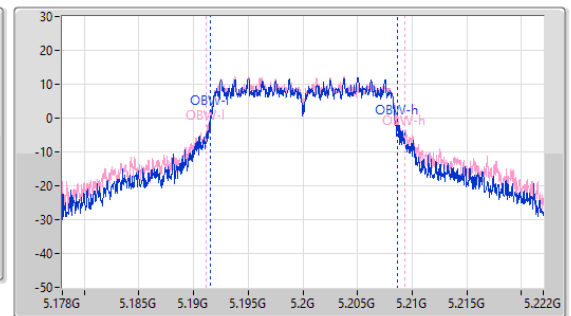
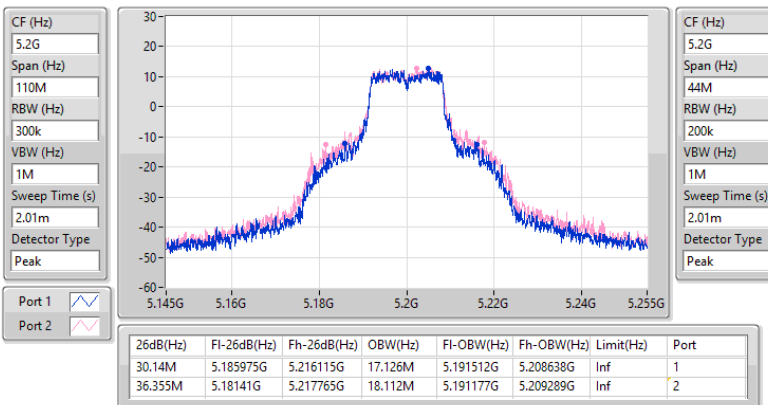


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX
EBW
5180MHz

07/07/2026


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

07/07/2026

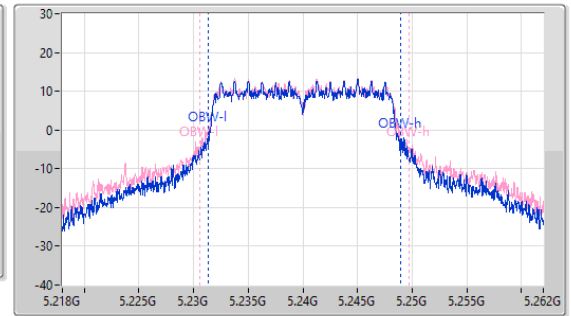
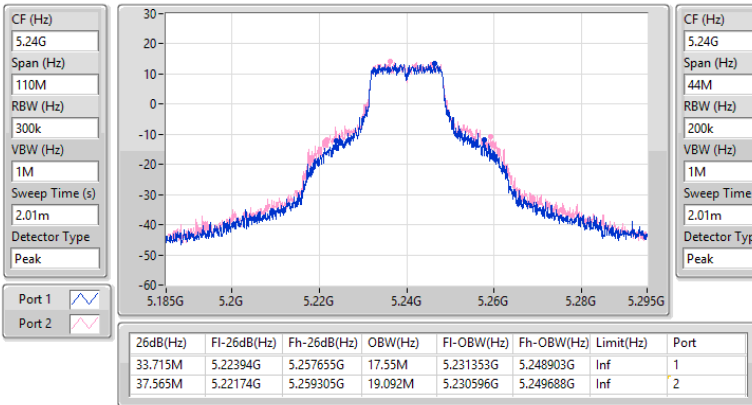


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

07/07/2026

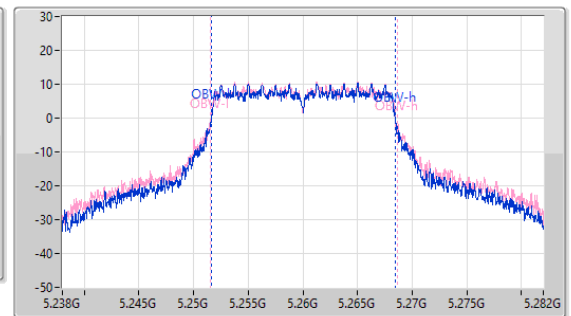
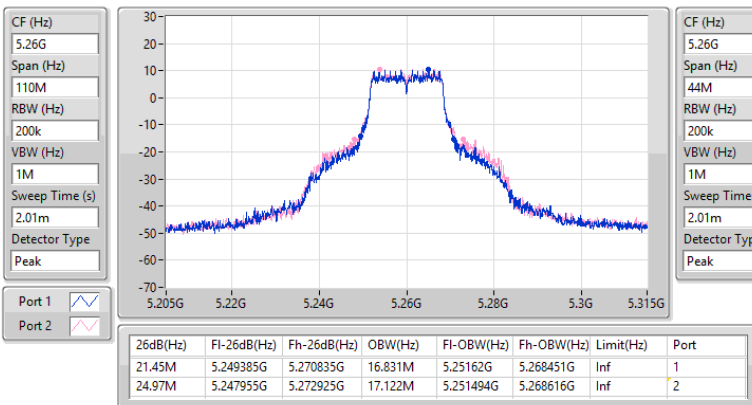


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

07/07/2026

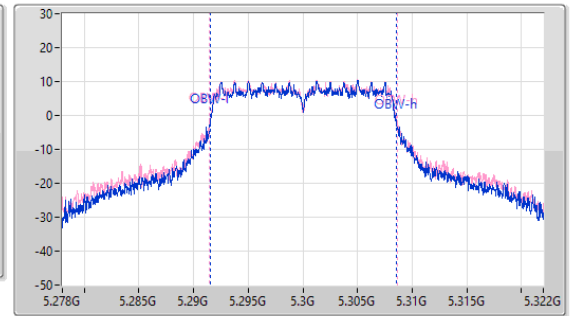
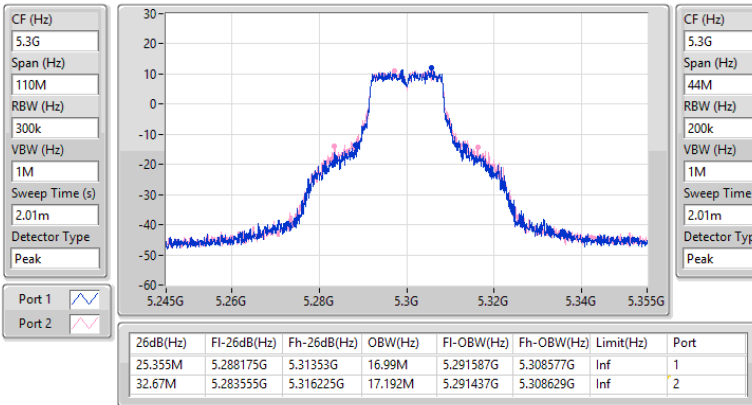


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

07/07/2026

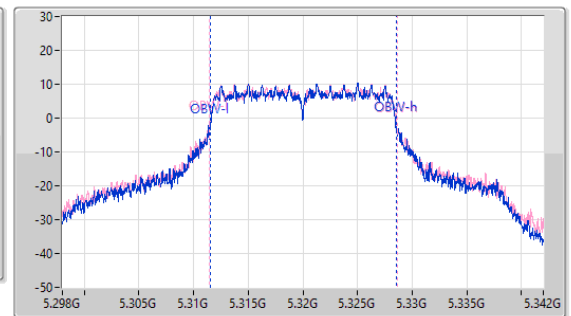
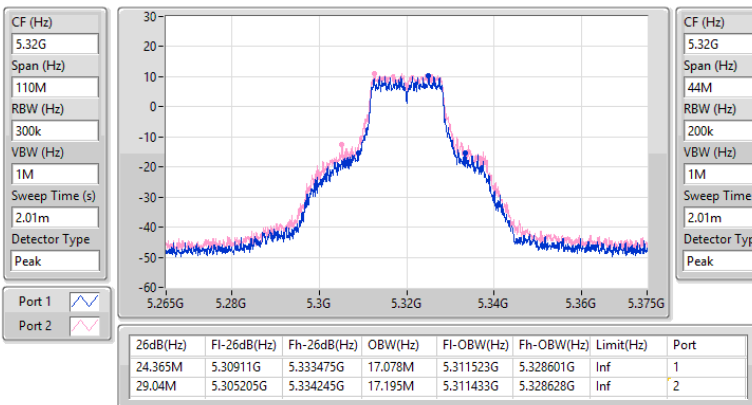


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

07/07/2026

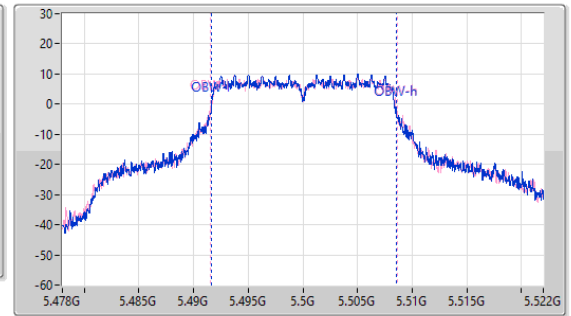
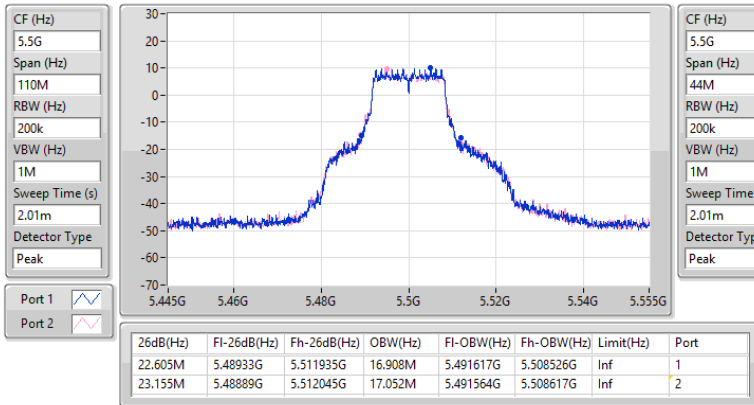


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

07/07/2026

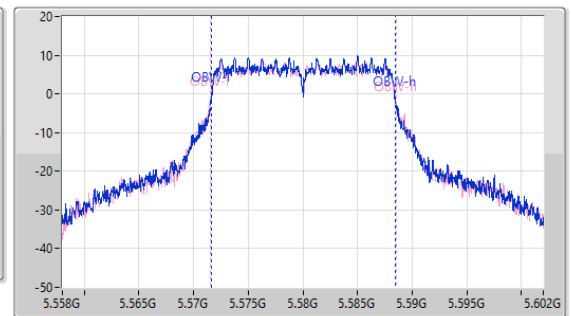
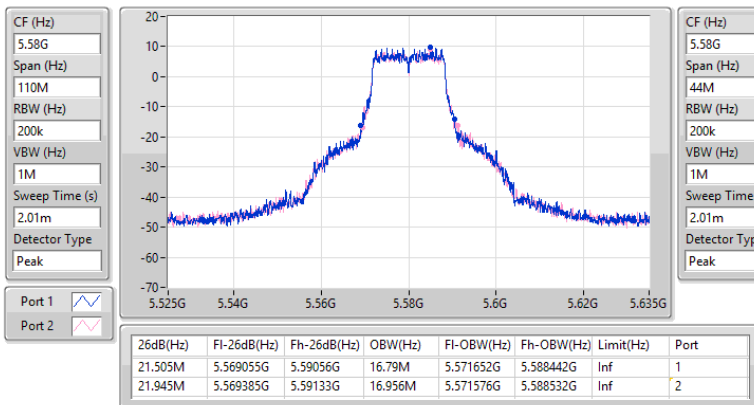


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

07/07/2026

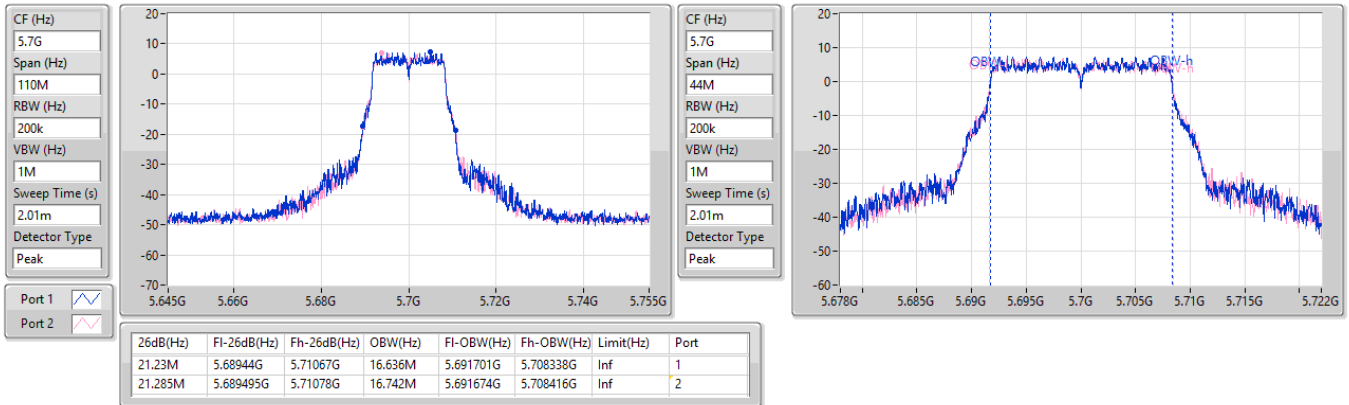


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

07/07/2026

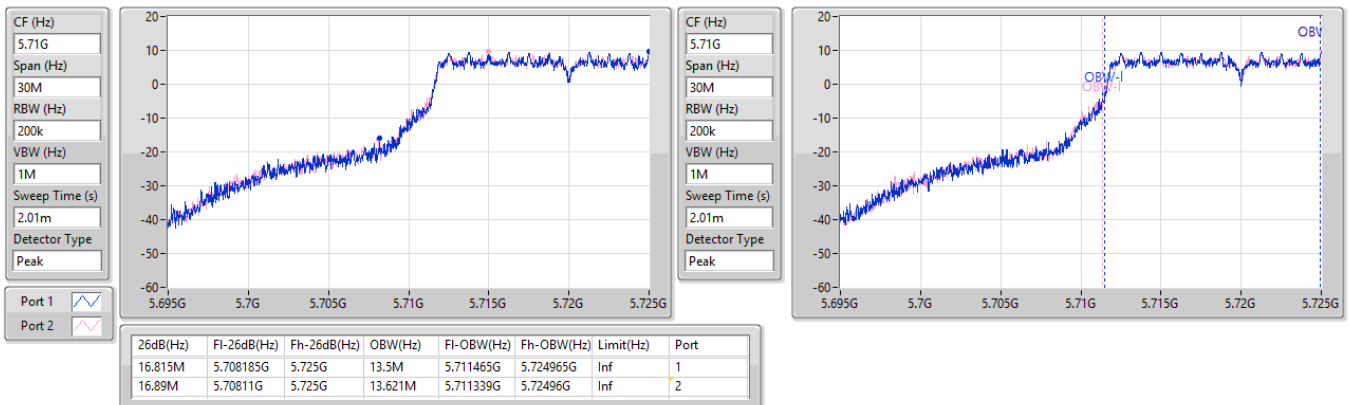


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

07/07/2026

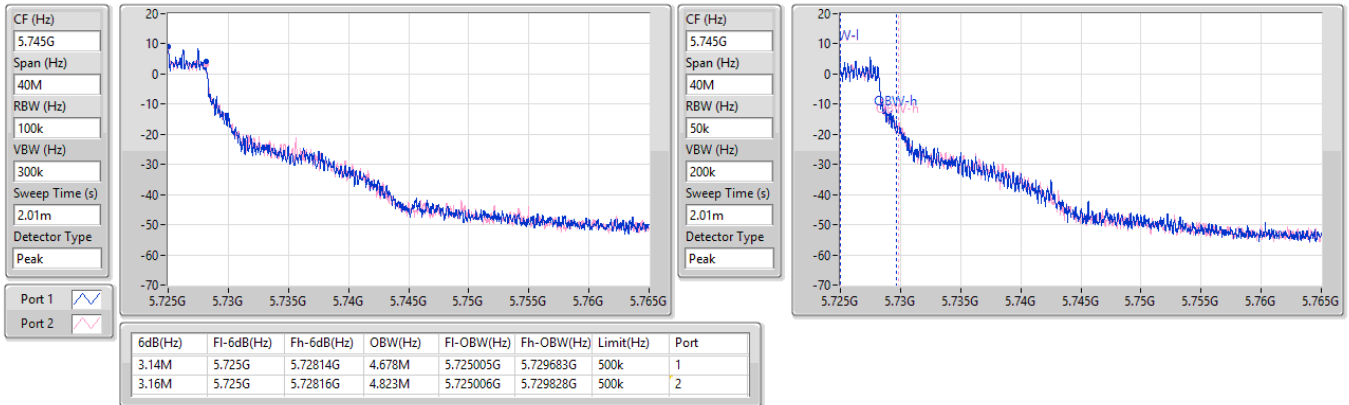


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/07/2026

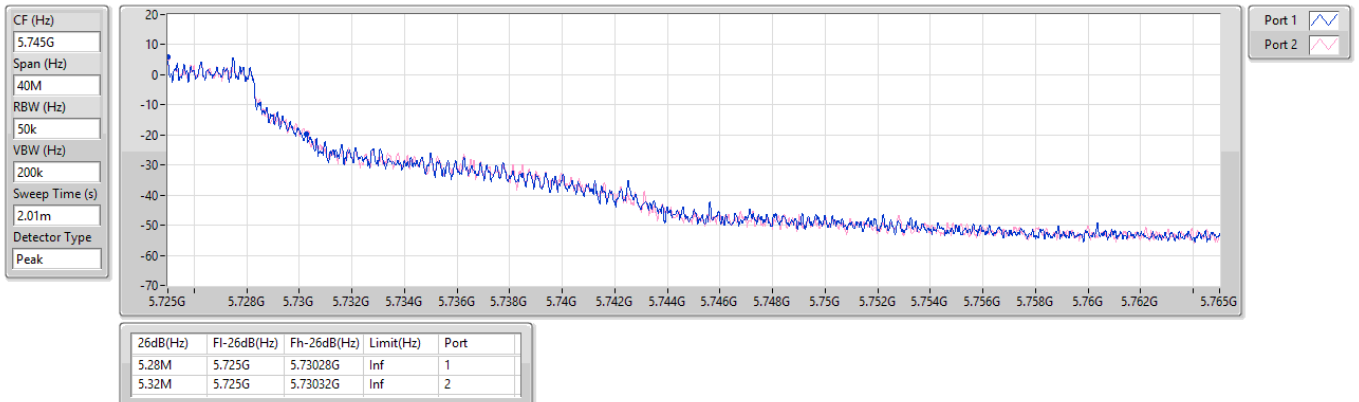


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

07/07/2026

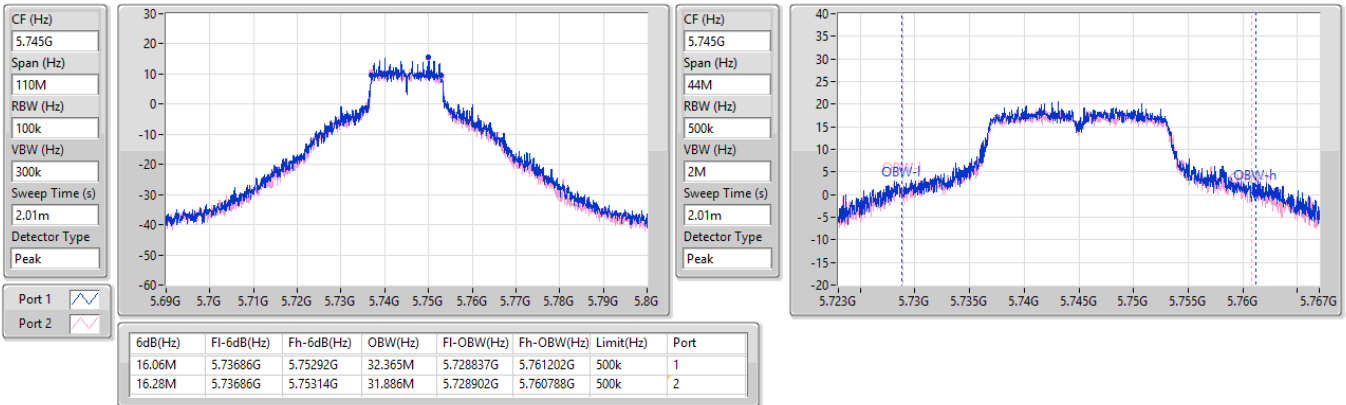


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

07/07/2026

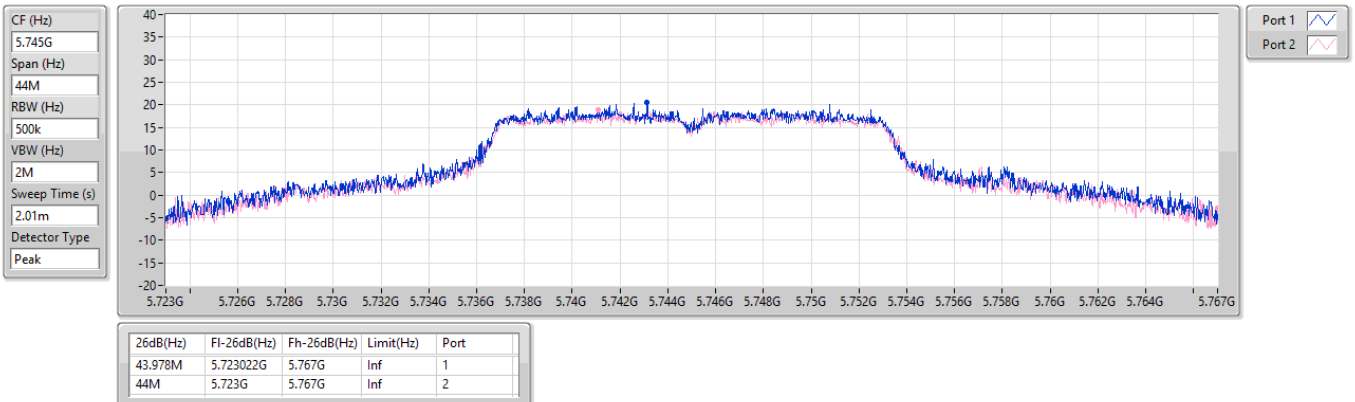


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

07/07/2026

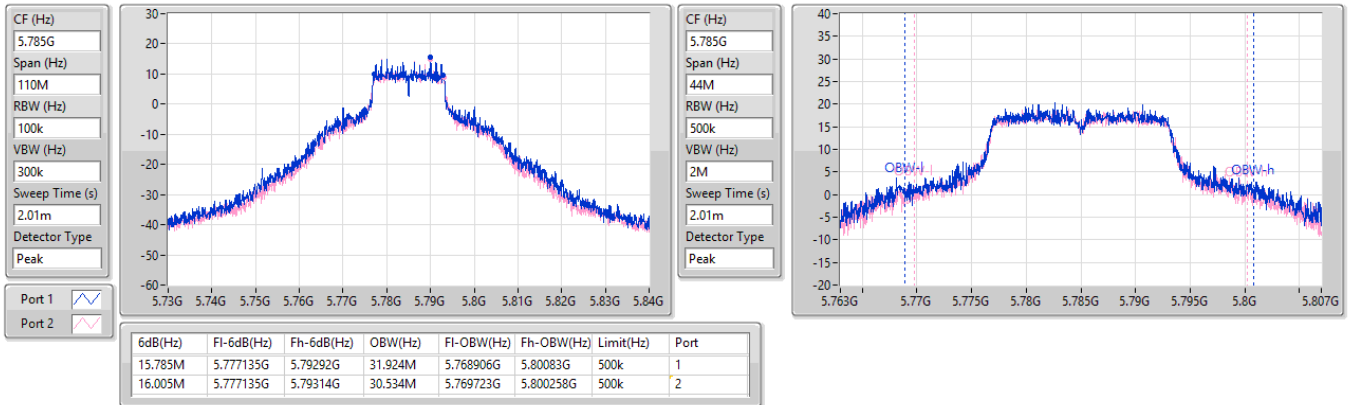


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

07/07/2026

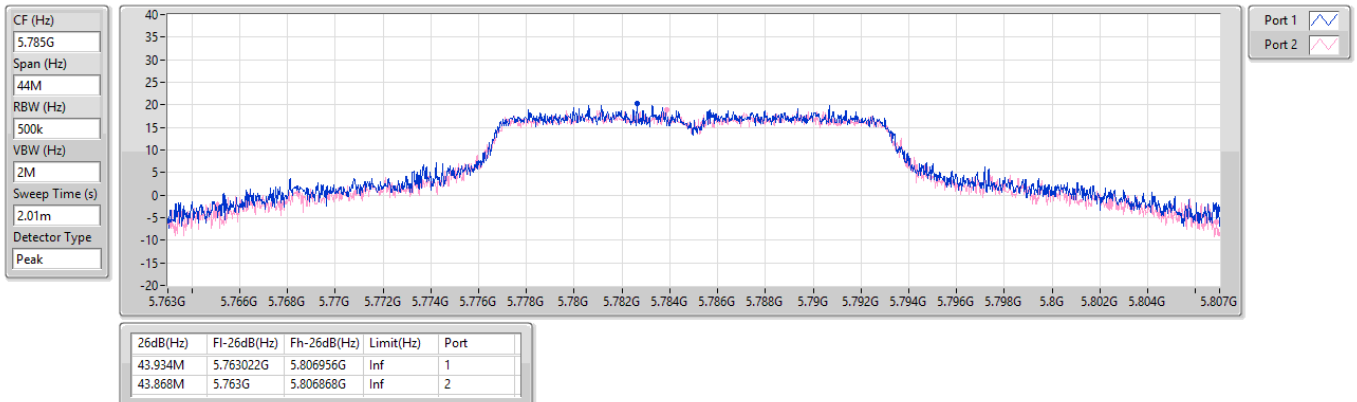


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

07/07/2026

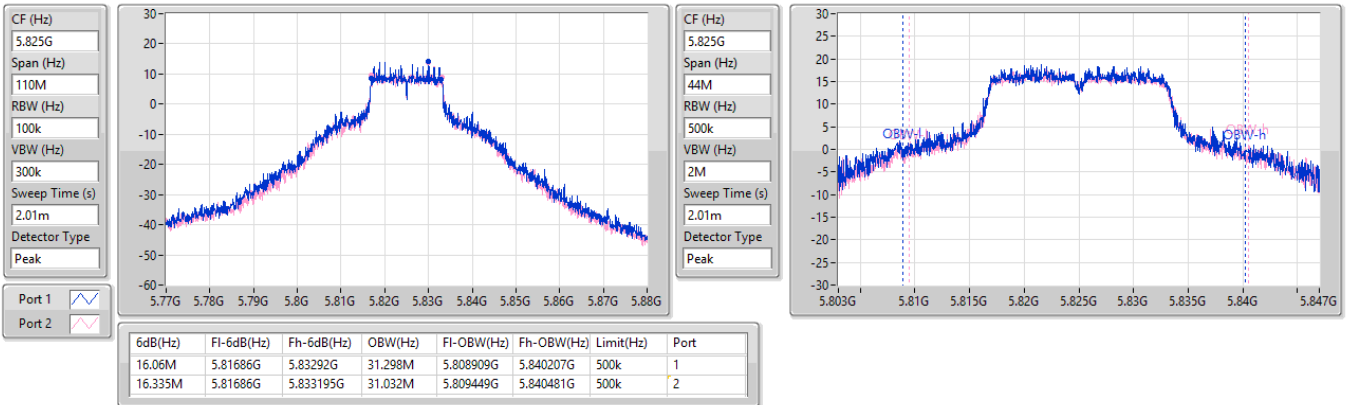


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

07/07/2026

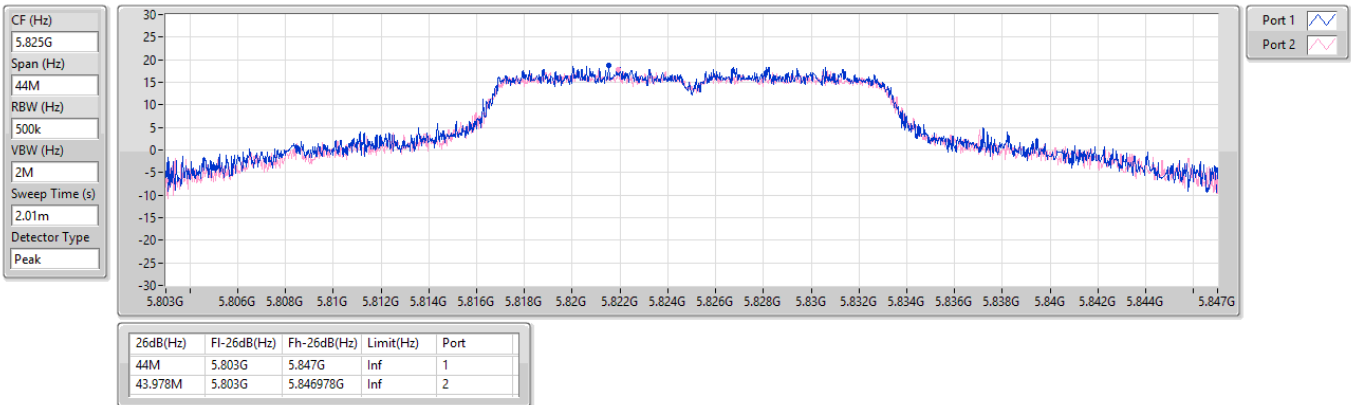


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

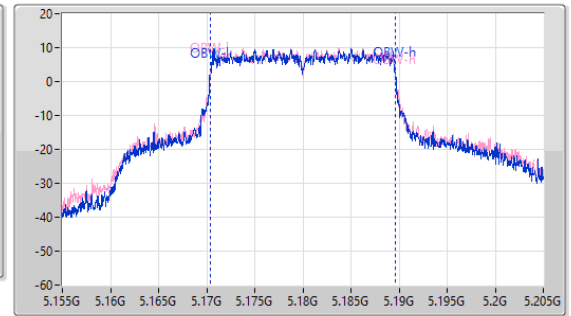
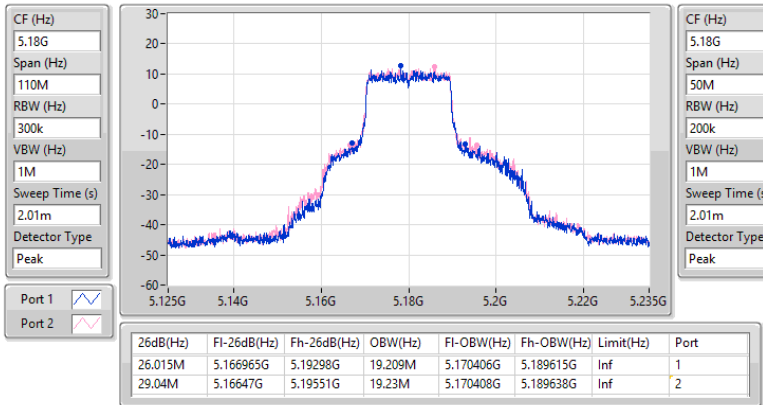
5825MHz

07/07/2026

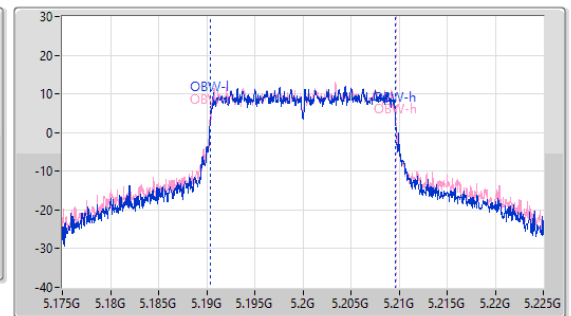
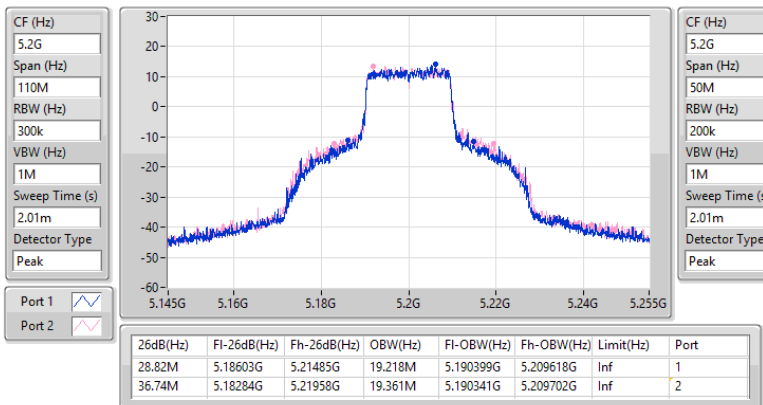


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5180MHz

07/07/2026


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

07/07/2026

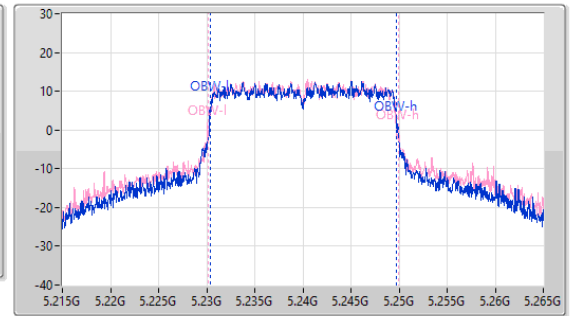
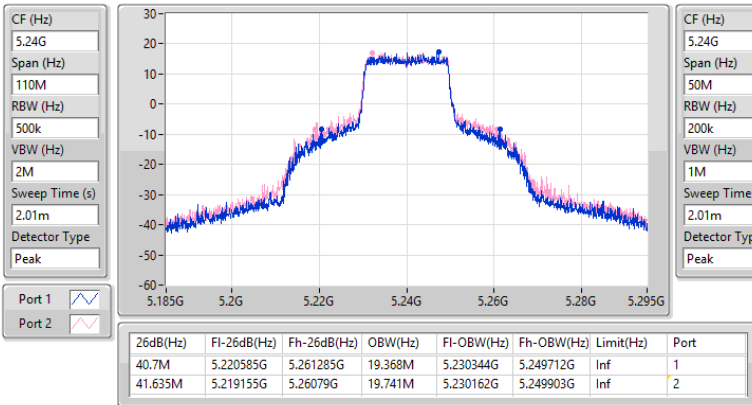


5.15-5.25GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

07/07/2026

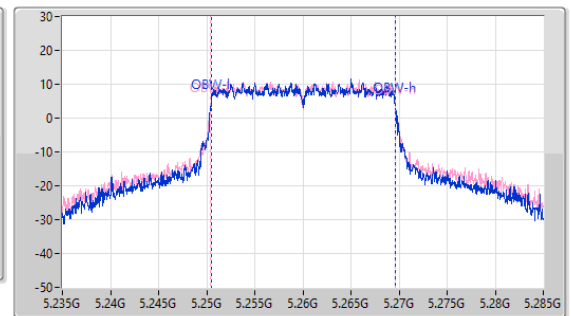
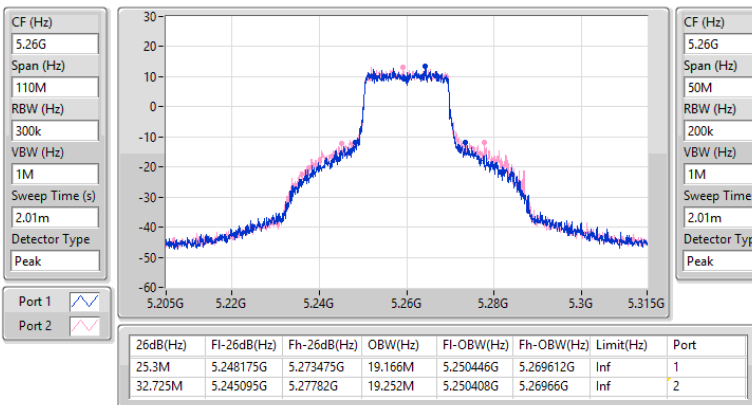


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

07/07/2026

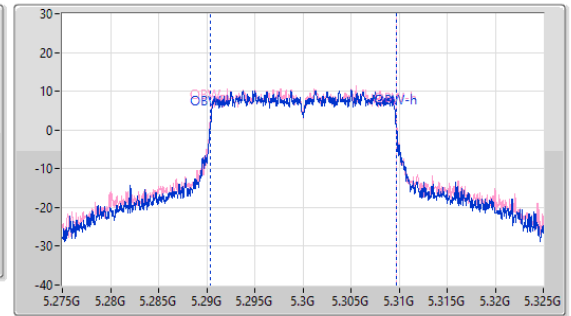
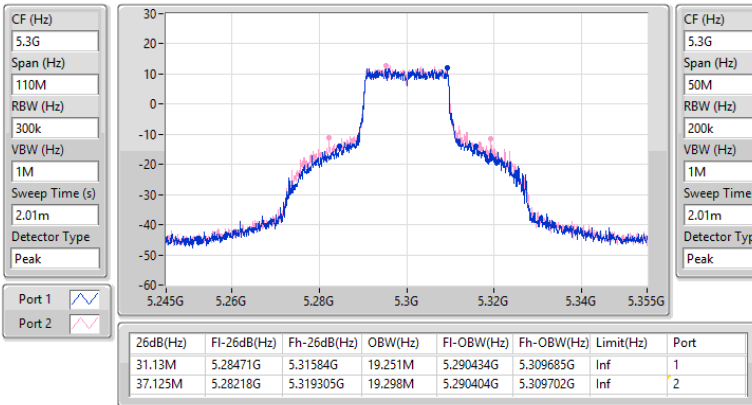


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

07/07/2026

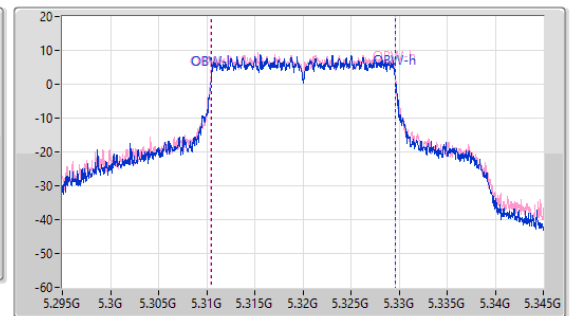
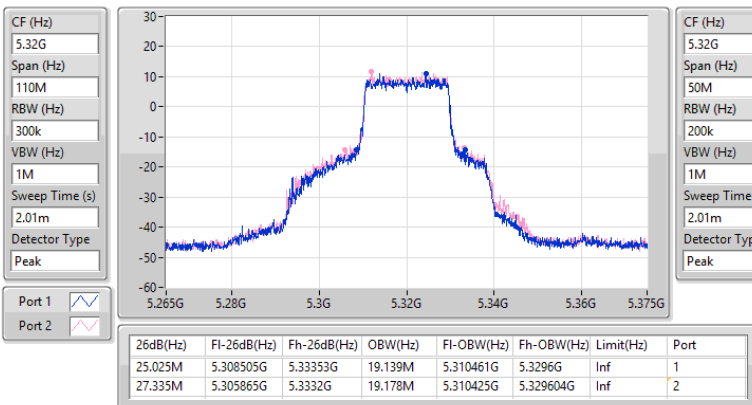


5.25-5.35GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

07/07/2026

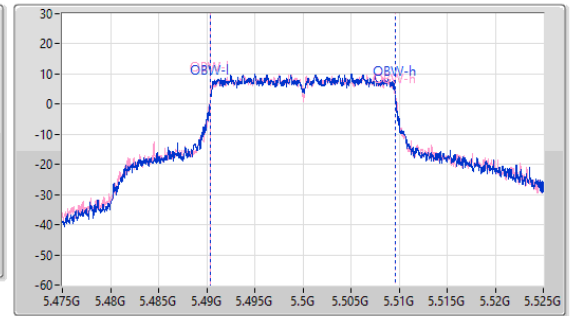
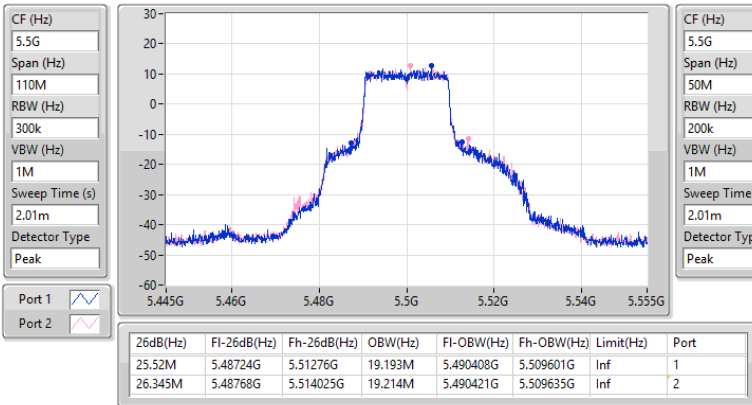


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

07/07/2026

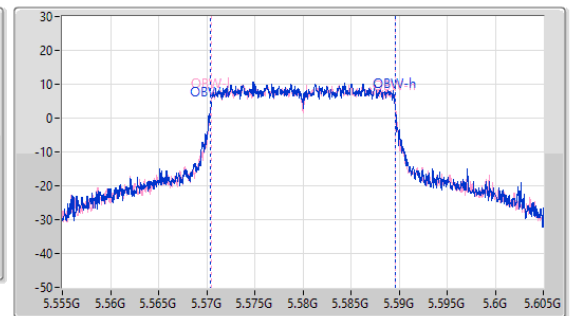
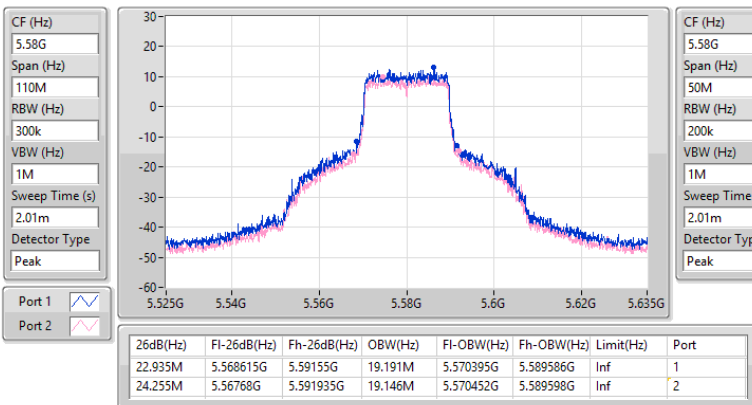


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

07/07/2026

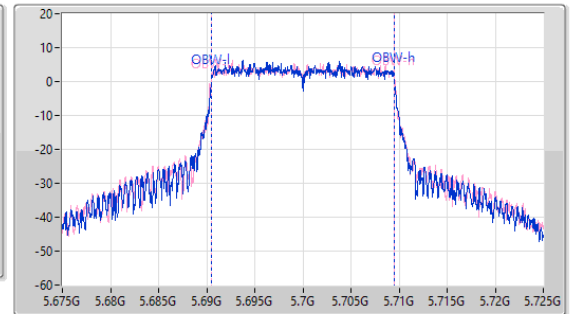
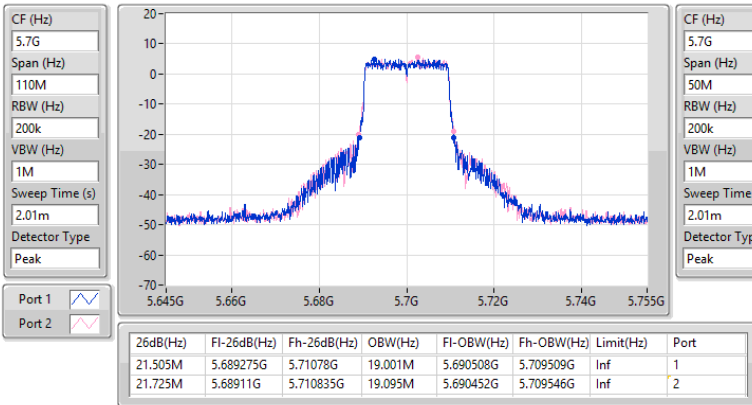


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

07/07/2026

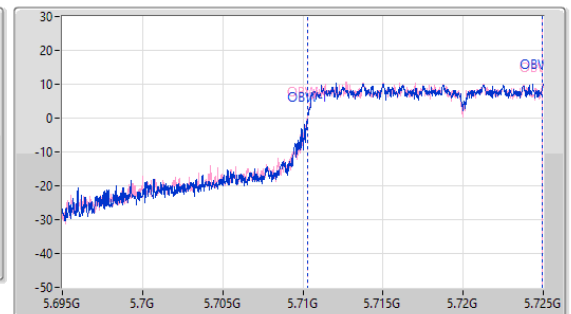
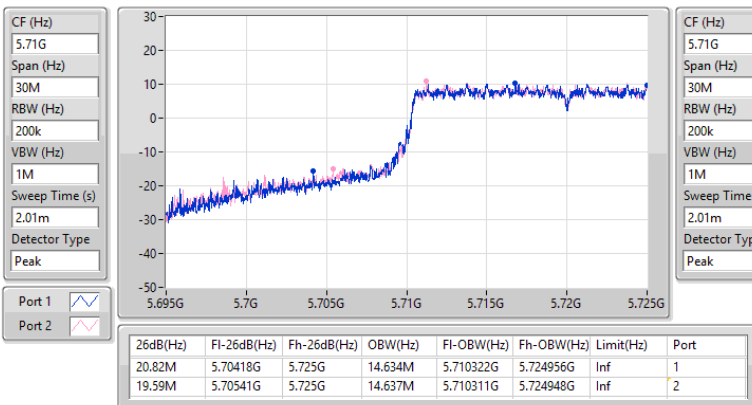


5.47-5.725GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

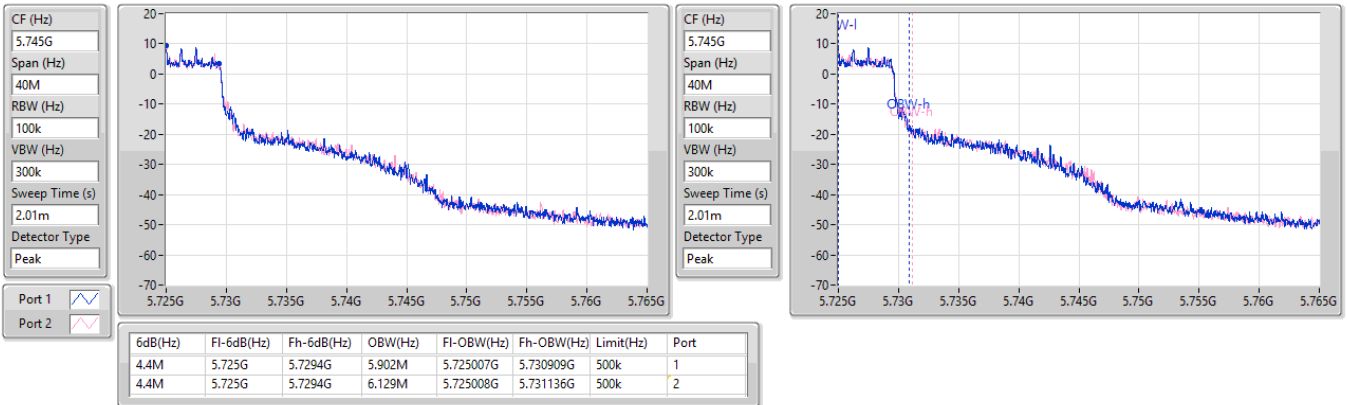
5720MHz Straddle 5.47-5.725GHz

07/07/2026

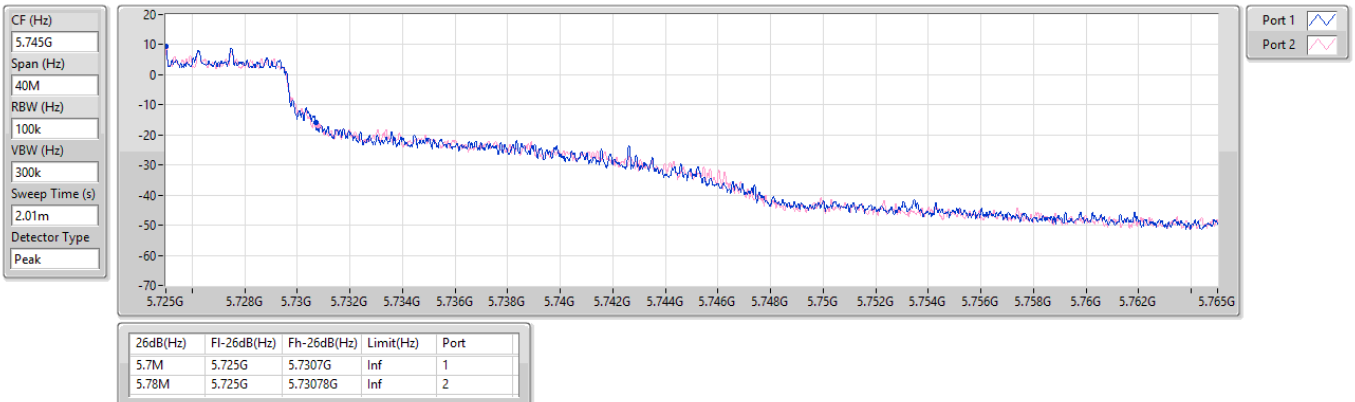


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX
EBW
5720MHz Straddle 5.725-5.85GHz

07/07/2026


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

07/07/2026

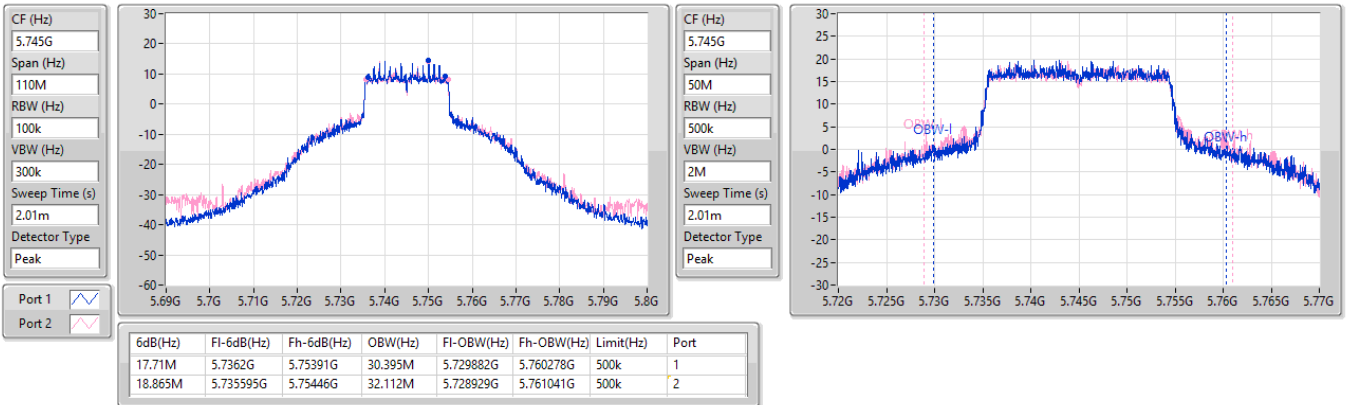


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

07/07/2026

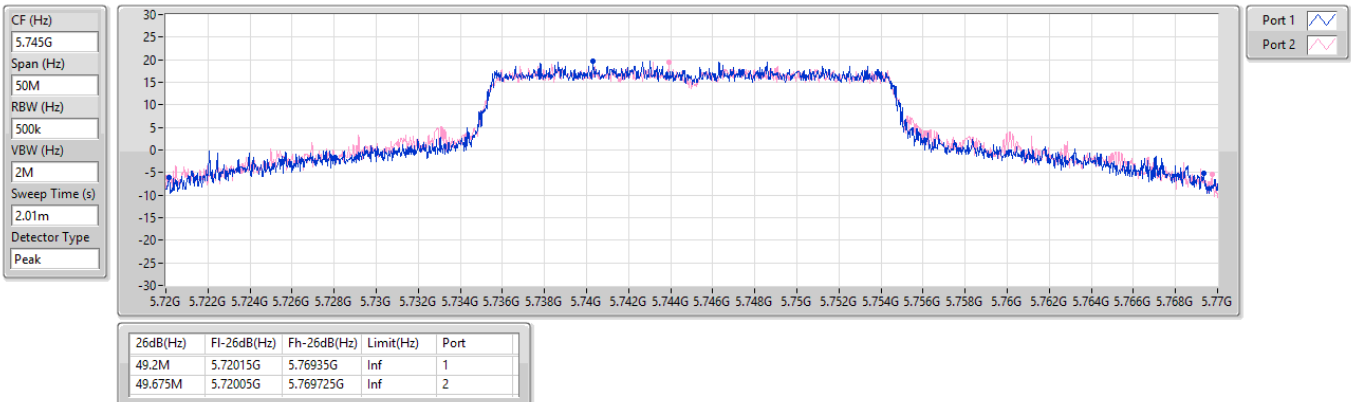


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

07/07/2026

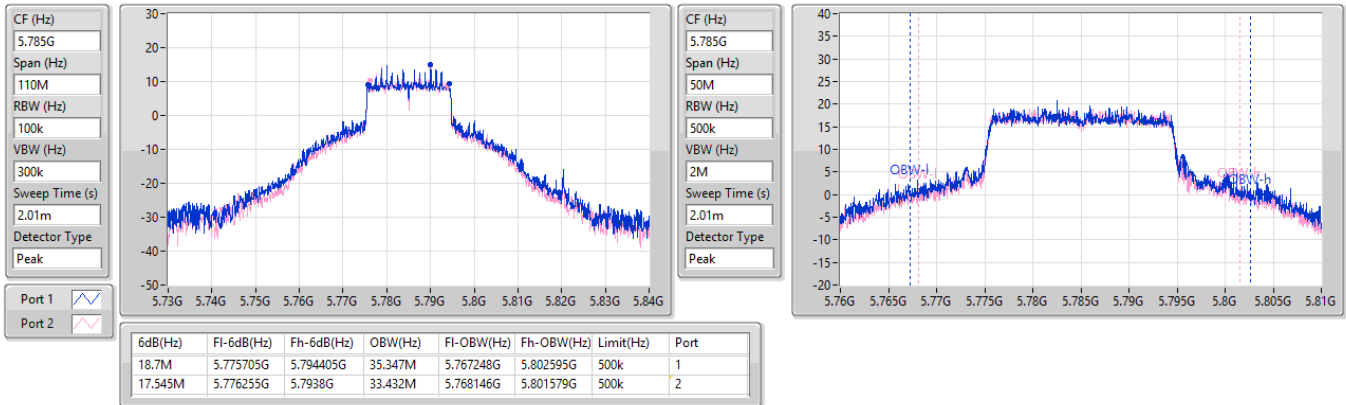


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

07/07/2026

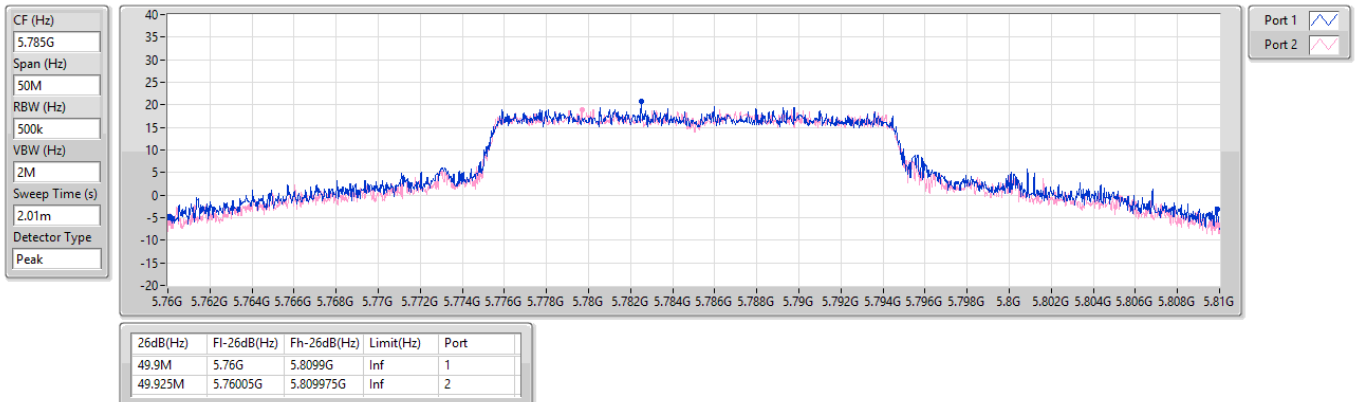


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

07/07/2026

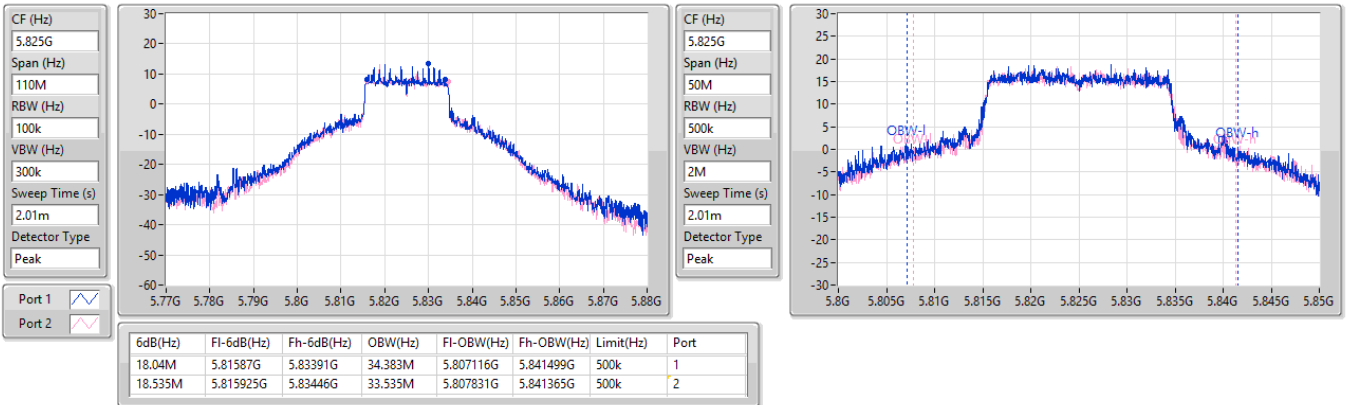


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

07/07/2026

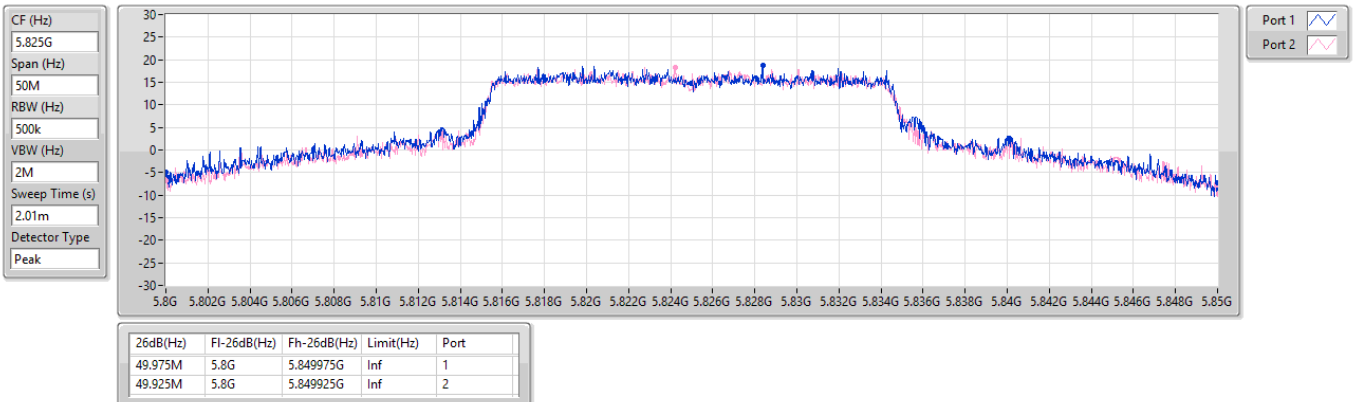


5.725-5.85GHz_802.11be EHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

07/07/2026

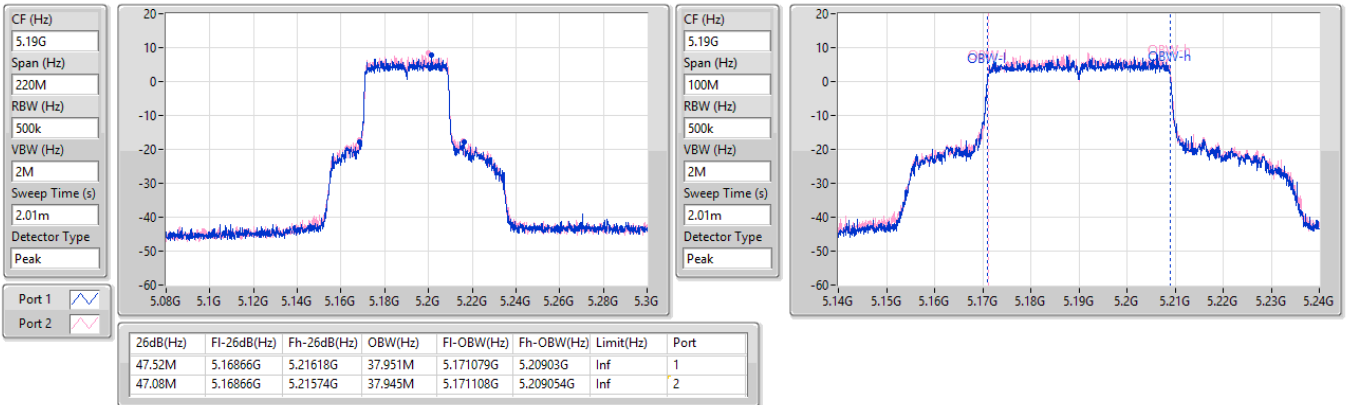


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

07/07/2026

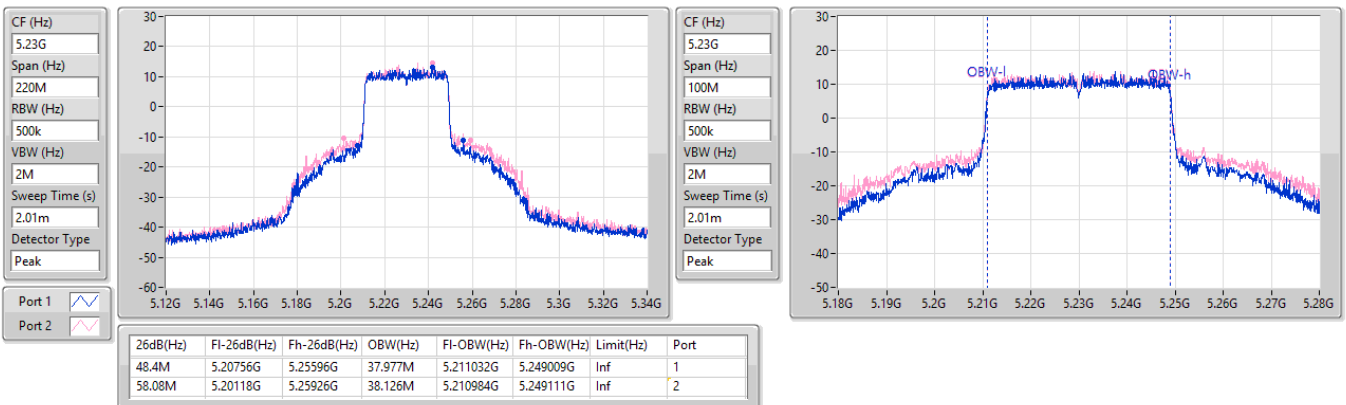


5.15-5.25GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

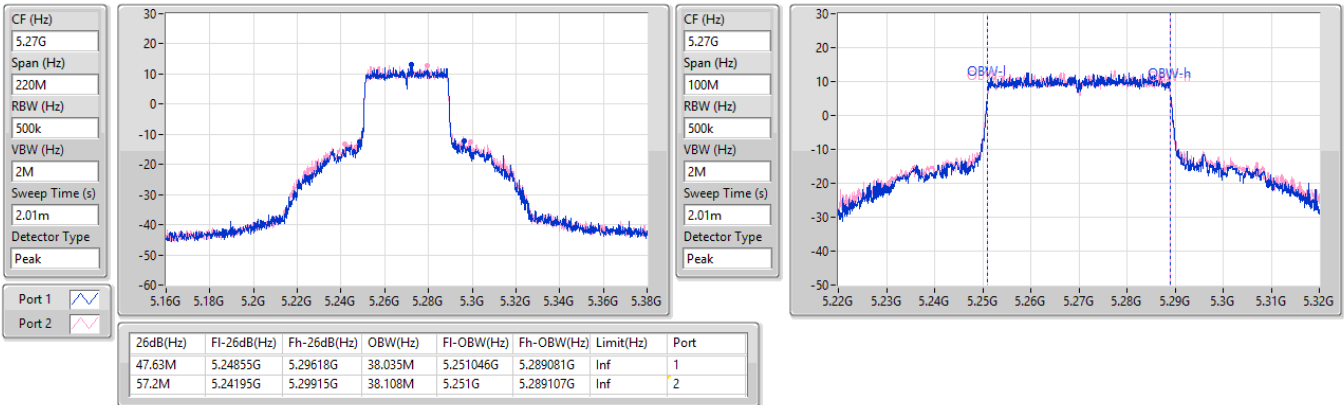
5230MHz

07/07/2026

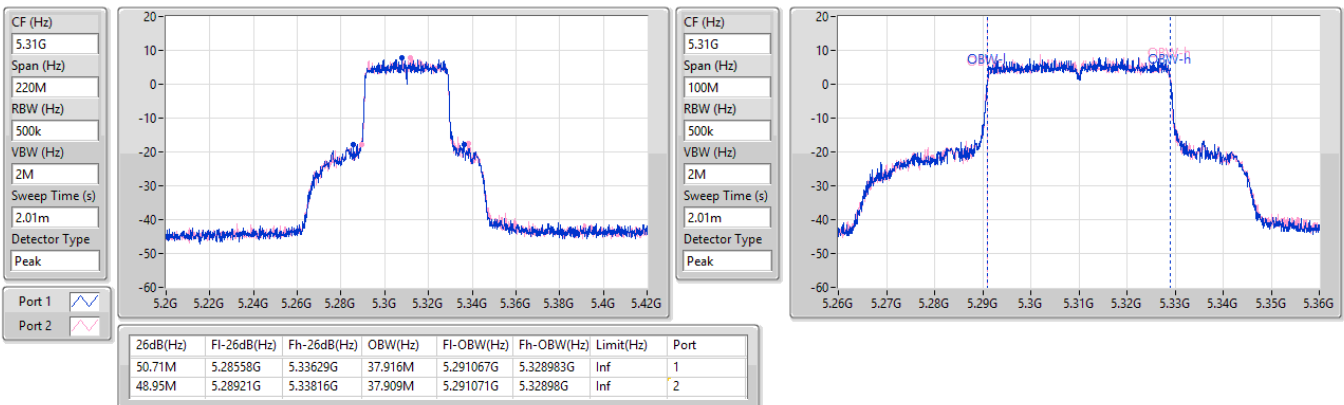


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5270MHz

07/07/2026


5.25-5.35GHz_802.11be EHT40_Nss1,(MCS0)_2TX
EBW
5310MHz

07/07/2026

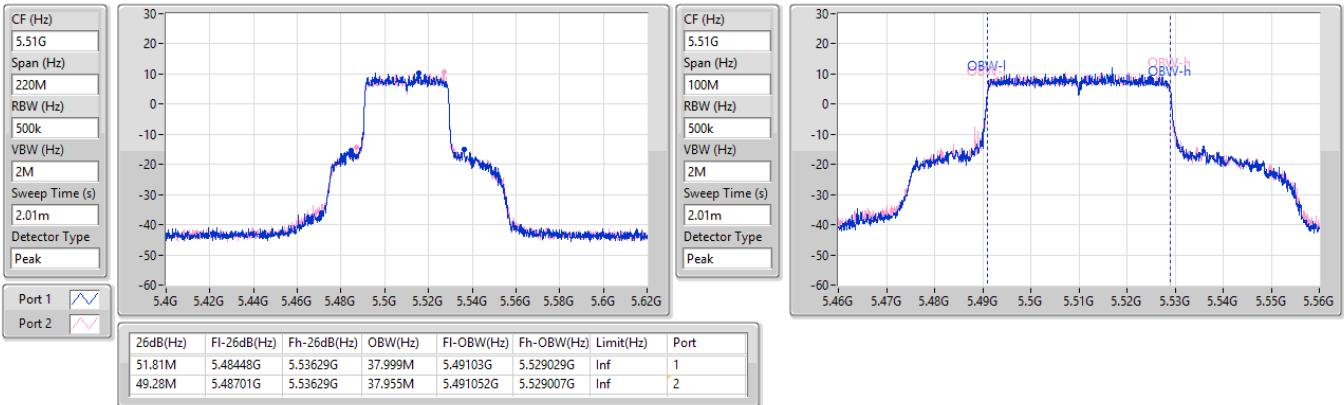


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

07/07/2026

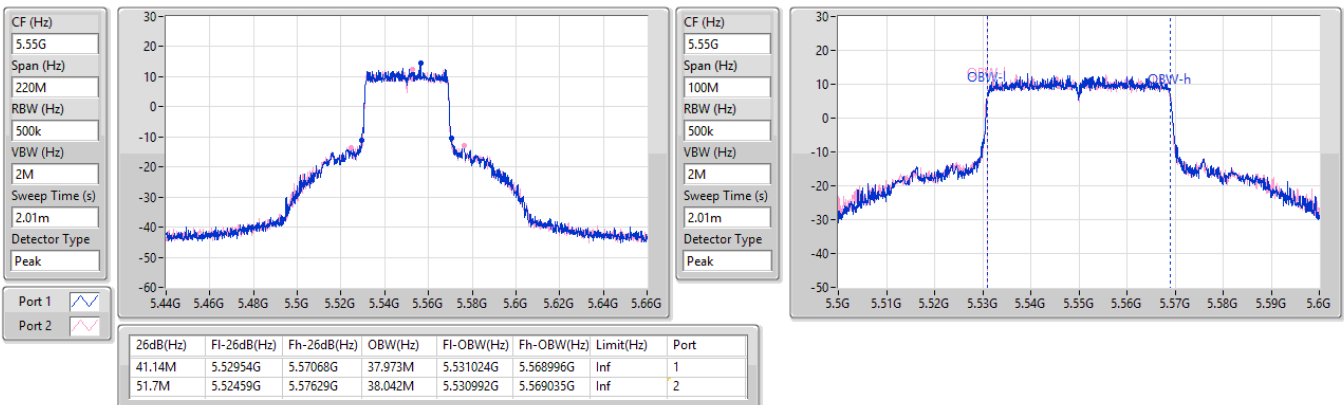


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

07/07/2026

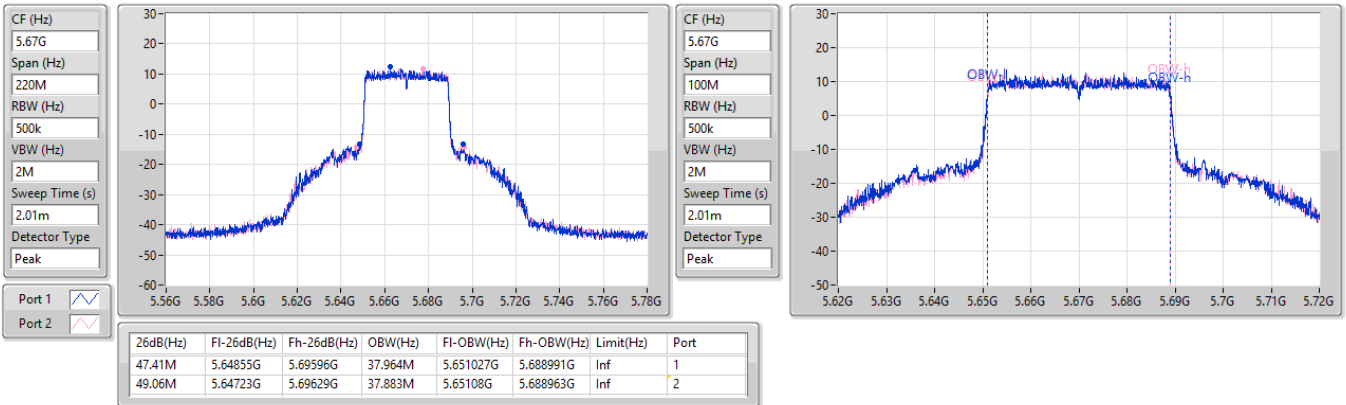


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

07/07/2026

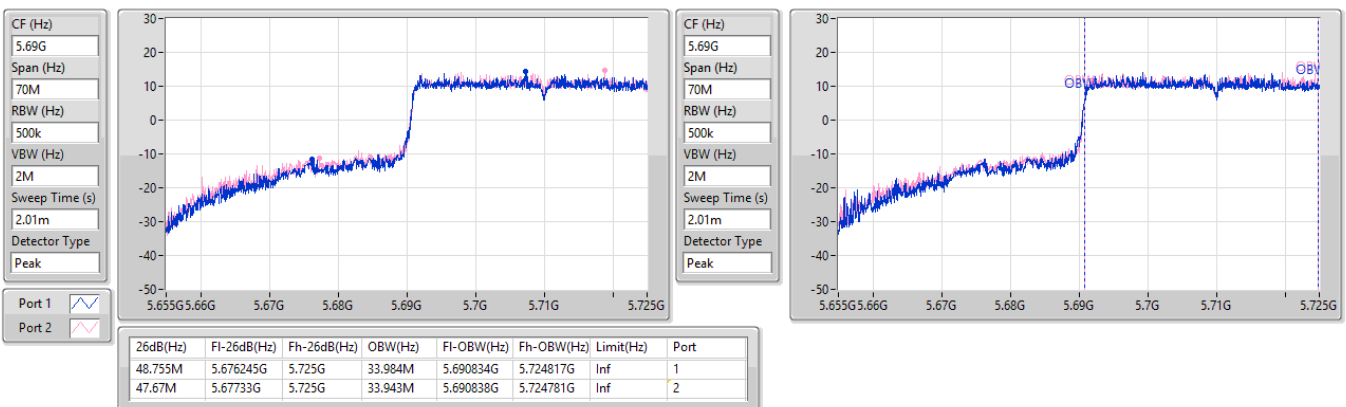


5.47-5.725GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

07/07/2026

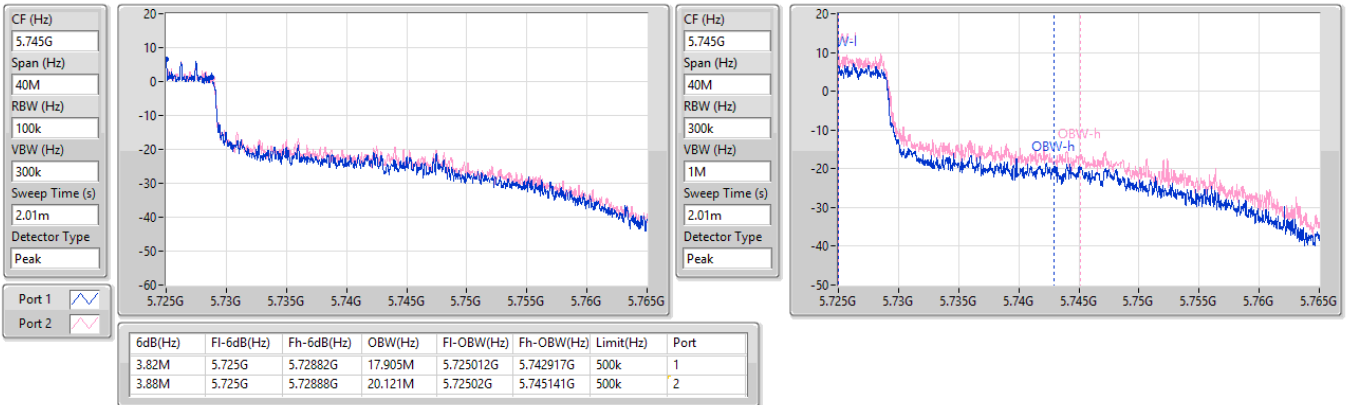


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/07/2026

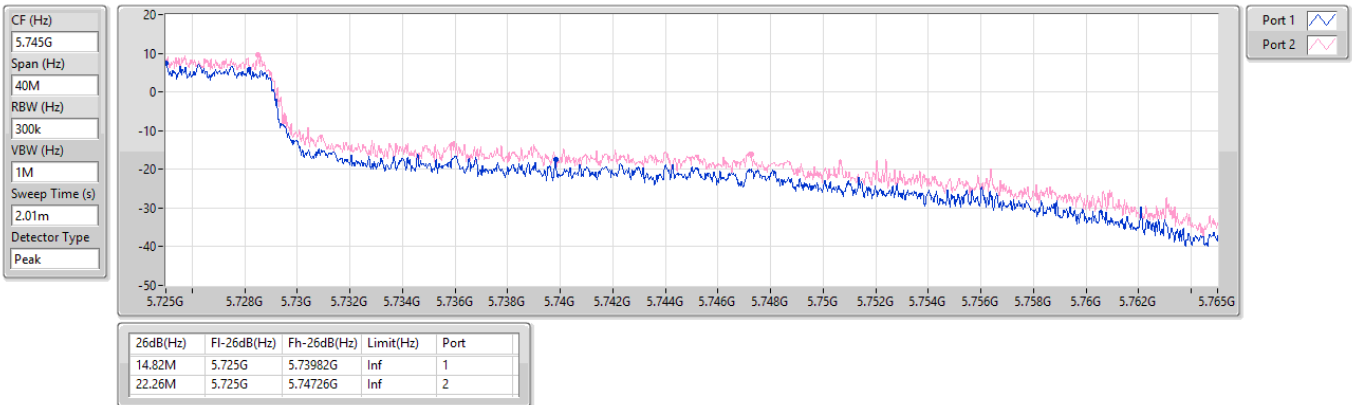


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

07/07/2026

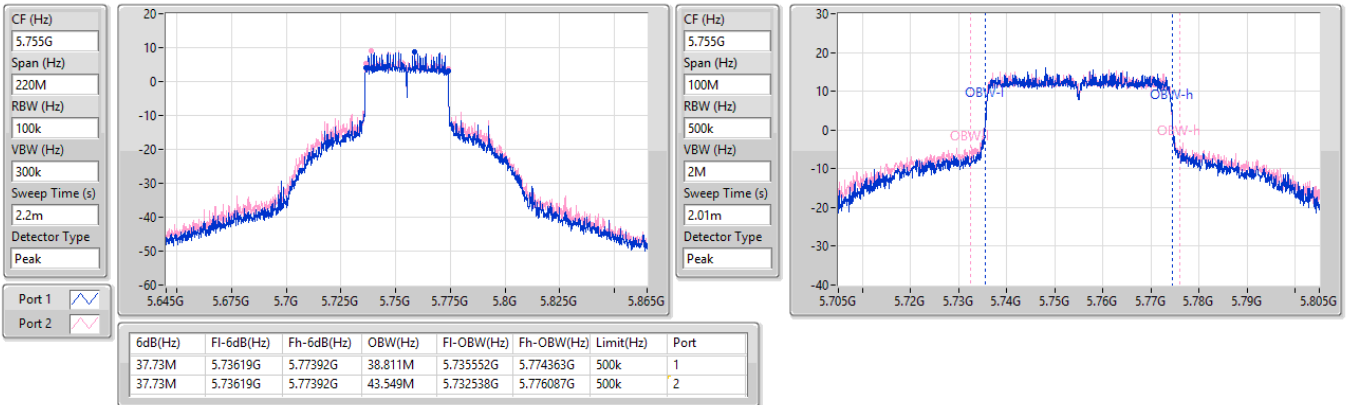


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

07/07/2026

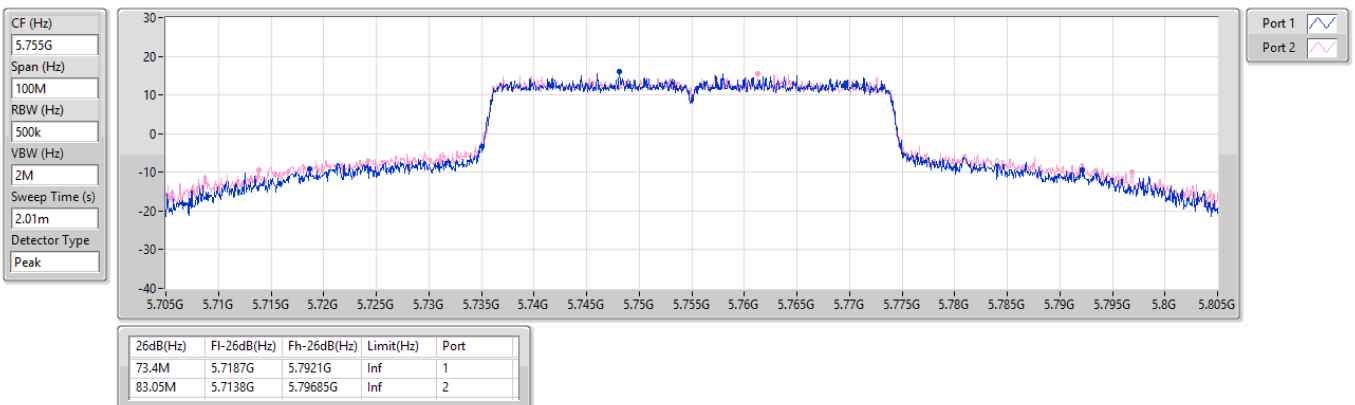


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

07/07/2026

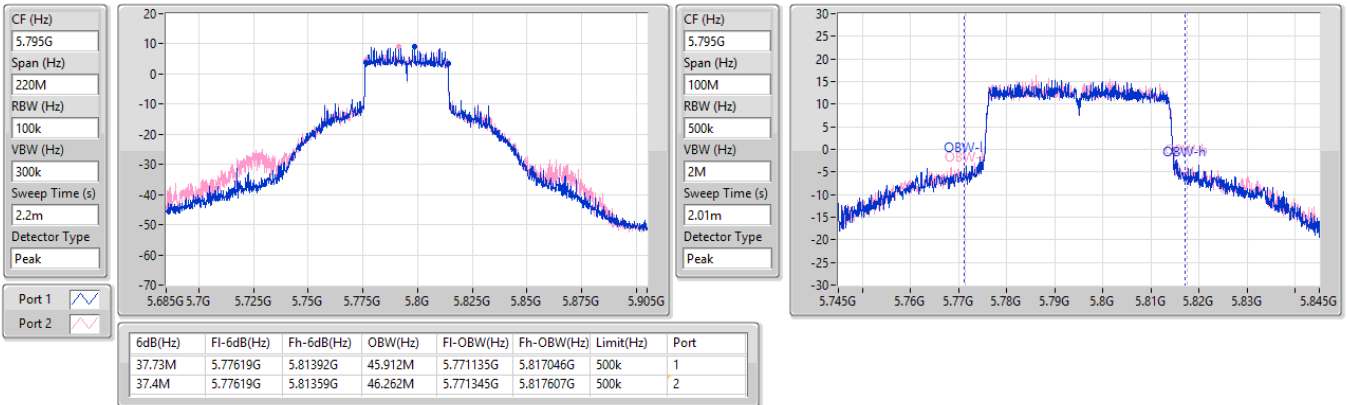


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

07/07/2026

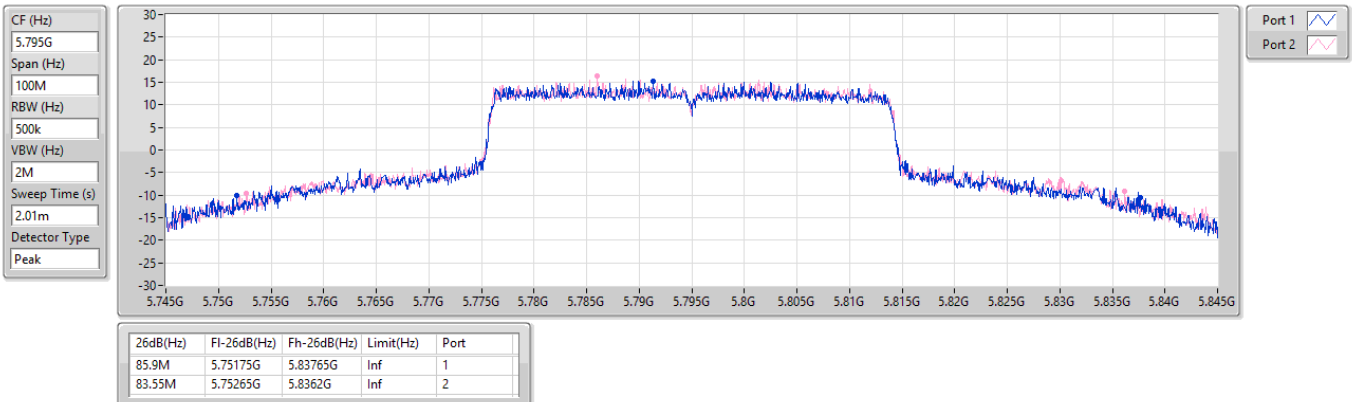


5.725-5.85GHz_802.11be EHT40_Nss1,(MCS0)_2TX

EBW

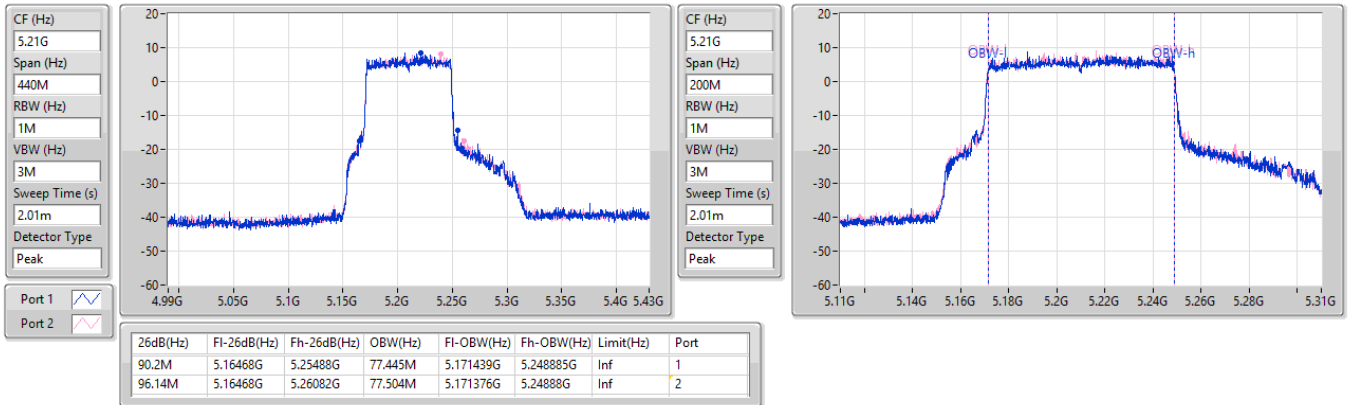
5795MHz

07/07/2026

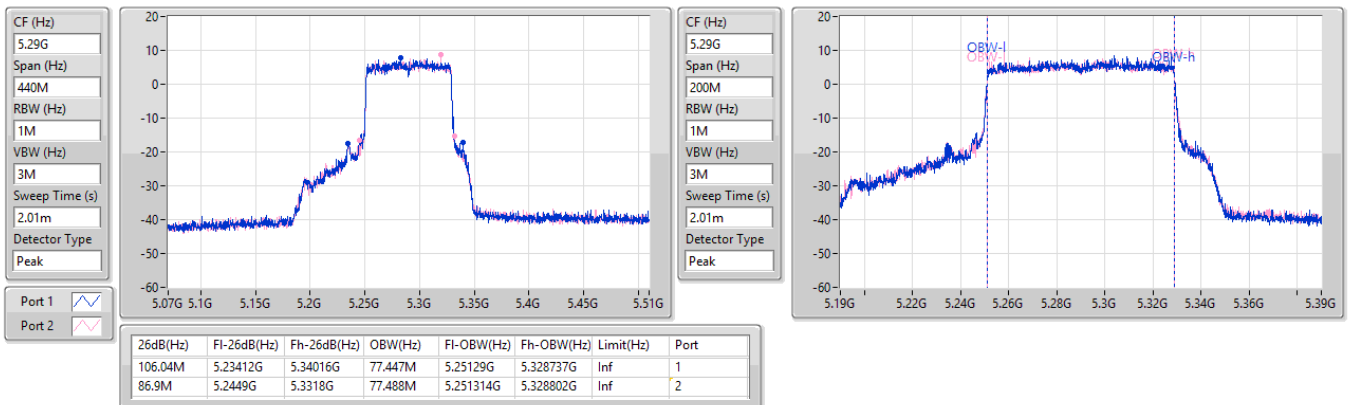


5.15-5.25GHz_802.11be EHT80_Nss1,(MCS0)_2TX
EBW
5210MHz

07/07/2026


5.25-5.35GHz_802.11be EHT80_Nss1,(MCS0)_2TX
EBW
5290MHz

07/07/2026

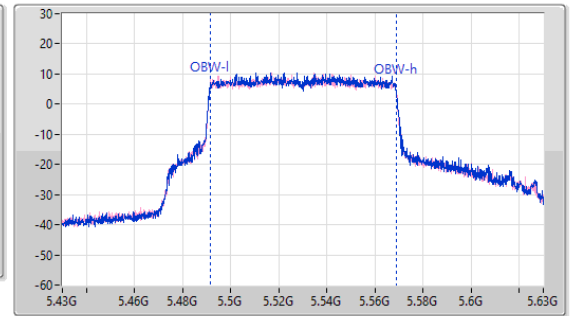
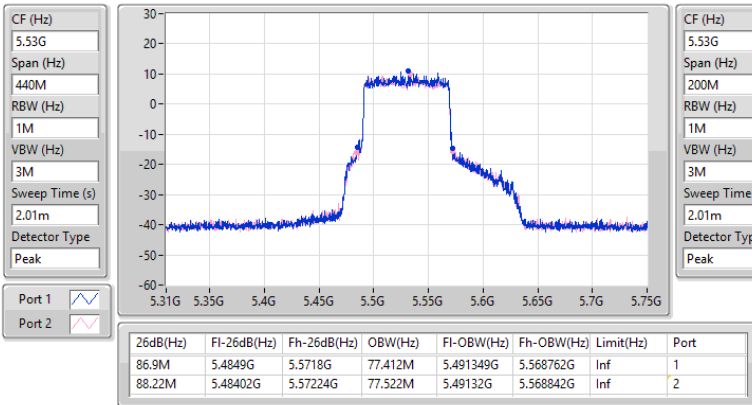


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

07/07/2026

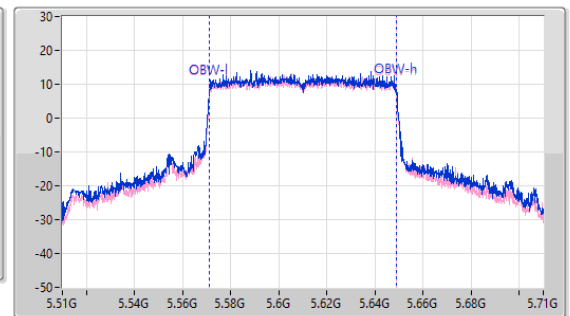
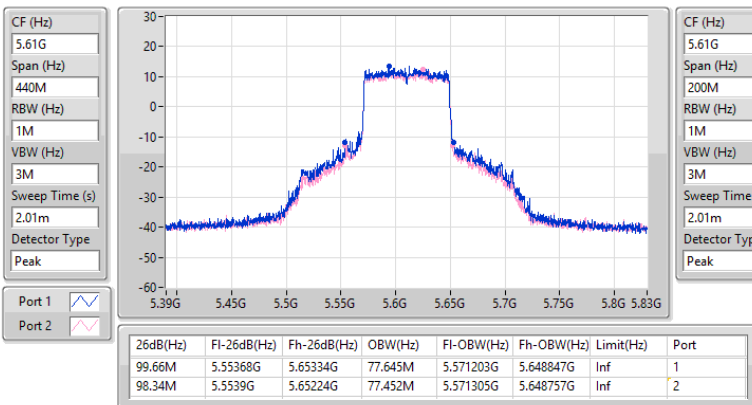


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

07/07/2026

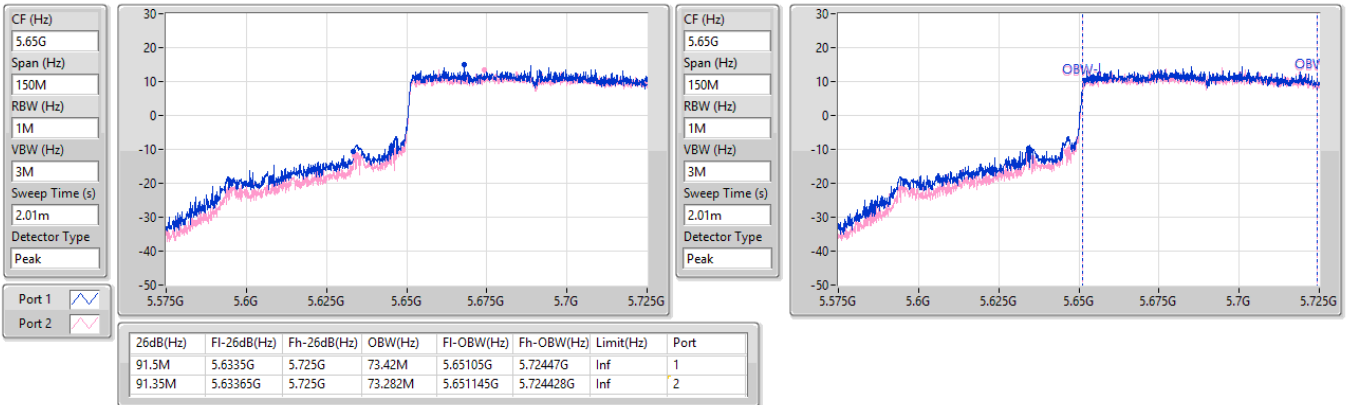


5.47-5.725GHz_802.11be EHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

07/07/2026



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

EBW

5690MHz Straddle 5.725-5.85GHz

07/07/2026

