

FCC Radio Test Report

FCC ID : QXO-AP460
Equipment : Wireless Access Point
Brand Name : Extreme Networks, Inc.



Model Name : AP460e
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive, Morrisville, NC 27560, United States
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive, Morrisville, NC 27560, United States
Standard : 47 CFR FCC Part 15.407

The product was received on Oct. 19, 2022, and testing was started from Nov. 24, 2022 and completed on Mar. 06, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

The test results in this variant report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

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PHOTOGRAPHS OF EUT V01



Summary of Test Result

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

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and explanations:
The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Ryan Hsiao
Report Producer: Jenny Yang



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(HEW 20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax(HEW 40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax(HEW 80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax(HEW 160)	5250	50 [1]
5470-5725		5570	114 [1]



Non-Beamforming
Radio 2_1T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	1TX
5.25-5.35GHz	802.11a	20	1TX
5.47-5.725GHz	802.11a	20	1TX
5.725-5.85GHz	802.11a	20	1TX
5.15-5.25GHz	802.11n HT20	20	1TX
5.25-5.35GHz	802.11n HT20	20	1TX
5.47-5.725GHz	802.11n HT20	20	1TX
5.725-5.85GHz	802.11n HT20	20	1TX
5.15-5.25GHz	802.11n HT40	40	1TX
5.25-5.35GHz	802.11n HT40	40	1TX
5.47-5.725GHz	802.11n HT40	40	1TX
5.725-5.85GHz	802.11n HT40	40	1TX
5.15-5.25GHz	802.11ac VHT20	20	1TX
5.25-5.35GHz	802.11ac VHT20	20	1TX
5.47-5.725GHz	802.11ac VHT20	20	1TX
5.725-5.85GHz	802.11ac VHT20	20	1TX
5.15-5.25GHz	802.11ac VHT40	40	1TX
5.25-5.35GHz	802.11ac VHT40	40	1TX
5.47-5.725GHz	802.11ac VHT40	40	1TX
5.725-5.85GHz	802.11ac VHT40	40	1TX
5.15-5.25GHz	802.11ac VHT80	80	1TX
5.25-5.35GHz	802.11ac VHT80	80	1TX
5.47-5.725GHz	802.11ac VHT80	80	1TX
5.725-5.85GHz	802.11ac VHT80	80	1TX
5.15-5.25GHz	802.11ac VHT160	160	1TX
5.25-5.35GHz	802.11ac VHT160	160	1TX
5.47-5.725GHz	802.11ac VHT160	160	1TX
5.15-5.25GHz	802.11ax HEW20	20	1TX
5.25-5.35GHz	802.11ax HEW20	20	1TX
5.47-5.725GHz	802.11ax HEW20	20	1TX
5.725-5.85GHz	802.11ax HEW20	20	1TX
5.15-5.25GHz	802.11ax HEW40	40	1TX
5.25-5.35GHz	802.11ax HEW40	40	1TX
5.47-5.725GHz	802.11ax HEW40	40	1TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ax HEW40	40	1TX
5.15-5.25GHz	802.11ax HEW80	80	1TX
5.25-5.35GHz	802.11ax HEW80	80	1TX
5.47-5.725GHz	802.11ax HEW80	80	1TX
5.725-5.85GHz	802.11ax HEW80	80	1TX
5.15-5.25GHz	802.11ax HEW160	160	1TX
5.25-5.35GHz	802.11ax HEW160	160	1TX
5.47-5.725GHz	802.11ax HEW160	160	1TX

Radio 2_2T2S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	2TX
5.25-5.35GHz	802.11a	20	2TX
5.47-5.725GHz	802.11a	20	2TX
5.725-5.85GHz	802.11a	20	2TX
5.15-5.25GHz	802.11n HT20	20	2TX
5.25-5.35GHz	802.11n HT20	20	2TX
5.47-5.725GHz	802.11n HT20	20	2TX
5.725-5.85GHz	802.11n HT20	20	2TX
5.15-5.25GHz	802.11n HT40	40	2TX
5.25-5.35GHz	802.11n HT40	40	2TX
5.47-5.725GHz	802.11n HT40	40	2TX
5.725-5.85GHz	802.11n HT40	40	2TX
5.15-5.25GHz	802.11ac VHT20	20	2TX
5.25-5.35GHz	802.11ac VHT20	20	2TX
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ac VHT160	160	2TX



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ac VHT160	160	2TX
5.47-5.725GHz	802.11ac VHT160	160	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX
5.15-5.25GHz	802.11ax HEW160	160	2TX
5.25-5.35GHz	802.11ax HEW160	160	2TX
5.47-5.725GHz	802.11ax HEW160	160	2TX

Radio 2_4T2S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11a	20	4TX
5.25-5.35GHz	802.11a	20	4TX
5.47-5.725GHz	802.11a	20	4TX
5.725-5.85GHz	802.11a	20	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40	40	4TX
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX

Radio 2_4T4S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ac VHT20	20	4TX
5.25-5.35GHz	802.11ac VHT20	20	4TX
5.47-5.725GHz	802.11ac VHT20	20	4TX
5.725-5.85GHz	802.11ac VHT20	20	4TX
5.15-5.25GHz	802.11ac VHT40	40	4TX
5.25-5.35GHz	802.11ac VHT40	40	4TX
5.47-5.725GHz	802.11ac VHT40	40	4TX



Band	Mode	BWch (MHz)	Nant
5.725-5.85GHz	802.11ac VHT40	40	4TX
5.15-5.25GHz	802.11ac VHT80	80	4TX
5.25-5.35GHz	802.11ac VHT80	80	4TX
5.47-5.725GHz	802.11ac VHT80	80	4TX
5.725-5.85GHz	802.11ac VHT80	80	4TX
5.15-5.25GHz	802.11ac VHT160	160	4TX
5.25-5.35GHz	802.11ac VHT160	160	4TX
5.47-5.725GHz	802.11ac VHT160	160	4TX
5.15-5.25GHz	802.11ax HEW20	20	4TX
5.25-5.35GHz	802.11ax HEW20	20	4TX
5.47-5.725GHz	802.11ax HEW20	20	4TX
5.725-5.85GHz	802.11ax HEW20	20	4TX
5.15-5.25GHz	802.11ax HEW40	40	4TX
5.25-5.35GHz	802.11ax HEW40	40	4TX
5.47-5.725GHz	802.11ax HEW40	40	4TX
5.725-5.85GHz	802.11ax HEW40	40	4TX
5.15-5.25GHz	802.11ax HEW80	80	4TX
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX
5.15-5.25GHz	802.11n HT20	20	4TX
5.25-5.35GHz	802.11n HT20	20	4TX
5.47-5.725GHz	802.11n HT20	20	4TX
5.725-5.85GHz	802.11n HT20	20	4TX
5.15-5.25GHz	802.11n HT40	40	4TX
5.25-5.35GHz	802.11n HT40	40	4TX
5.47-5.725GHz	802.11n HT40	40	4TX
5.725-5.85GHz	802.11n HT40	40	4TX



Beamforming

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20-BF	20	4TX
5.25-5.35GHz	802.11ax HEW20-BF	20	4TX
5.47-5.725GHz	802.11ax HEW20-BF	20	4TX
5.725-5.85GHz	802.11ax HEW20-BF	20	4TX
5.15-5.25GHz	802.11ax HEW40-BF	40	4TX
5.25-5.35GHz	802.11ax HEW40-BF	40	4TX
5.47-5.725GHz	802.11ax HEW40-BF	40	4TX
5.725-5.85GHz	802.11ax HEW40-BF	40	4TX
5.15-5.25GHz	802.11ax HEW80-BF	80	4TX
5.25-5.35GHz	802.11ax HEW80-BF	80	4TX
5.47-5.725GHz	802.11ax HEW80-BF	80	4TX
5.725-5.85GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

Note:

- ◆ 11a, HT20 and 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 modulation.
- ◆ HEW20, HEW40, HEW80, HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ◆ BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

(AP460e) External Antenna

Group	Brand	Model Number (P/N)	Antenna Type	Connector	Antenna Gain (dBi)		
					2.4GHz	5GHz	BLE/Thread
1	Extreme	ML-2452-APA2-01	Omni	RP SMA male	3.17	4.85	-
2	Extreme	ML-2452-APA2-02	Omni	RP SMA male	3.17	4.85	-
3	Extreme	ML-2452-HPA5-036	Omni	RP SMA male	3.9	5.7	-
4	Extreme	ML-2452-HPAG4A6-01	Omni	N male	4	7.3	-
5	Extreme	ML-2452-PNA5-01R	Panel	Type N-Male	4.5	5	-
6	Extreme	ML-2452-PTA4M4-036	Omni	Rev-Polarity SMA Male 4x	5	6.6	-
7	Extreme	ML-2452-HPAG5A8-01	Omni	N male	5	8	-
8	Extreme	WS-AO-DQ04360N	Omni	N male	5.5	6	-
9	Extreme	AI-DQ04360S	Omni	RP SMA male	5.5	6	-
10	Extreme	ML-2452-SEC6M4-036 / WS-AI-DQ05120	Panel	RP SMA male	6.92	7.23	-
11	Extreme	WS-AI-DE07025	Panel	RP SMA male	7.5	6.5	-
12	Extreme	ML-2452-PNA7-01R	Panel 1	Type N-Male	7.8	10.7	7.8
13	Extreme	WS-AI-DE10055	Panel 2	RP SMA male	10.5	7.5	-
14	Extreme	ML-2499-HPA8-01	Dipole	N male	-	-	8
15	Extreme	AO-DD19017N	Panel	N male	-	20	-
16	Extreme	AIO-DQ15021-N	Panel	N male	-	15	-

Note 1: Group 16 were measured during the test for WLAN 5G Mode.

Note 2: Group 16 only for radio 2 (5G) use.

Note 3: Group 16 is cross-polarized antenna: Vertical (2 ports) and Horizontal (2 ports).

For 5GHz function:

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

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

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

Port 1 and port 2 could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Port 1, port 2, port 3 and port 4 could transmit/receive simultaneously.



1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	<input type="checkbox"/>	Outdoor AP	<input type="checkbox"/>	Indoor AP
	<input checked="" type="checkbox"/>	Fixed P2P AP	<input type="checkbox"/>	Client
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/>	Without beamforming
TPC Function	<input checked="" type="checkbox"/>	With TPC Function	<input type="checkbox"/>	Without TPC Function
Weather Band	<input checked="" type="checkbox"/>	With 5600~5650MHz	<input type="checkbox"/>	Without 5600~5650MHz
Resource Unit(802.11ax)	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/>	Partial RU
Type of EUT				
<input checked="" type="checkbox"/>	Stand-alone			
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)			
	Combined Equipment - Brand Name / Model No.: ...			
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)			
	Host System - Brand Name / Model No.:			
<input type="checkbox"/>	Other:			

1.1.4 Mode Test Duty Cycle

Non-Beamforming
Radio 2_1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_1TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss1,(MCS0)_1TX	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40_Nss1,(MCS0)_1TX	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20_Nss1,(MCS0)_1TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss1,(MCS0)_1TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80_Nss1,(MCS0)_1TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT160_Nss1,(MCS0)_1TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW20_Nss1,(MCS0)_1TX	0.984	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_1TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss1,(MCS0)_1TX	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW160_Nss1,(MCS0)_1TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

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



Radio 2_2T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss2,(MCS0)_2TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40_Nss2,(MCS0)_2TX	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20_Nss2,(MCS0)_2TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss2,(MCS0)_2TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80_Nss2,(MCS0)_2TX	0.962	0.17	764.375u	3k
802.11ac VHT160_Nss2,(MCS0)_2TX	0.966	0.15	774.375u	3k
802.11ax HEW20_Nss2,(MCS0)_2TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss2,(MCS0)_2TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss2,(MCS0)_2TX	0.979	0.09	1.427m	1k
802.11ax HEW160_Nss2,(MCS0)_2TX	0.962	0.17	746.875u	3k

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

Radio 2_4T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT20_Nss2,(MCS0)_4TX	0.991	0.04	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40_Nss2,(MCS0)_4TX	0.988	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT20_Nss2,(MCS0)_4TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss2,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80_Nss2,(MCS0)_4TX	0.962	0.17	764.375u	3k
802.11ac VHT160_Nss2,(MCS0)_4TX	0.966	0.15	774.375u	3k
802.11ax HEW20_Nss2,(MCS0)_4TX	0.982	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss2,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss2,(MCS0)_4TX	0.979	0.09	1.427m	1k
802.11ax HEW160_Nss2,(MCS0)_4TX	0.962	0.17	746.875u	3k

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



Radio 2_4T4S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11n HT20_Nss4,(MCS0)_4TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11n HT40_Nss4,(MCS0)_4TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT160_Nss4,(MCS0)_4TX	0.927	0.33	370u	3k
802.11ac VHT20_Nss4,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss4,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT80_Nss4,(MCS0)_4TX	0.974	0.11	1.013m	1k
802.11ax HEW160_Nss4,(MCS0)_4TX	0.945	0.25	526.25u	3k
802.11ax HEW20_Nss4,(MCS0)_4TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss4,(MCS0)_4TX	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss4,(MCS0)_4TX	0.969	0.14	970.938u	3k

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

Beamforming

Radio 2_4T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	0.978	0.1	1.488m	1k
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	0.96	0.18	780.625u	3k
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	0.926	0.33	413.125u	3k
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	0.886	0.53	236.563u	10k

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

1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR970235-04AN

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
According to the applicant's declaration on the product application. The model name "AP460e" add the below function: Antenna(Group 16) was added. The antenna(Group 16) only can be used when the EUT operates using Radio 2 with the Fixed P2P AP mode.	All RF test item were evaluated

1.2 Testing Applied Standards

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

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

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

- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Lego Lin	21.6~22.8°C / 58~61%	25/Nov/2022
RF Conducted	TH07-HY	Vivi Jiang	22.2~23.4°C / 50~54%	23/Feb/2023~06/Mar/2023
Radiated (below 1GHz)	03CH03-HY	Lego Lin	20.3~23.2°C / 59~66%	10/Dec/2022
Radiated (above 1GHz)	03CH02-HY	Jack Tang	20.5~22.1°C / 58~63%	11/Feb/2023~03/Mar/2023
Radiated (Co-location)	03CH03-HY	Lego Lin	22.3~23.6°C / 53~62%	24/Nov/2022
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	AccessMTool_REL_3_1_0_1
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**Non-Beamforming
Radio 2_1T1S**

Mode	Power Setting
802.11a_Nss1,(6Mbps)_1TX	-
5180MHz	65
5200MHz	85
5240MHz	96
5260MHz	57
5300MHz	57
5320MHz	57
5500MHz	57
5580MHz	57
5700MHz	58
5720MHz Straddle 5.47-5.725GHz	60
5720MHz Straddle 5.725-5.85GHz	60
5745MHz	104
5785MHz	110
5825MHz	102
802.11n HT20_Nss1,(MCS0)_1TX	-
5180MHz	59
5200MHz	80
5240MHz	101
5260MHz	56
5300MHz	56
5320MHz	57
5500MHz	52
5580MHz	56
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	57
5720MHz Straddle 5.725-5.85GHz	57
5745MHz	104
5785MHz	108



Mode	Power Setting
5825MHz	97
802.11n HT40_Nss1,(MCS0)_1TX	-
5190MHz	43
5230MHz	80
5270MHz	55
5310MHz	47
5510MHz	53
5550MHz	56
5670MHz	57
5710MHz Straddle 5.47-5.725GHz	59
5710MHz Straddle 5.725-5.85GHz	59
5755MHz	81
5795MHz	85
802.11ac VHT20_Nss1,(MCS0)_1TX	-
5180MHz	59
5200MHz	80
5240MHz	101
5260MHz	56
5300MHz	56
5320MHz	57
5500MHz	52
5580MHz	56
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	57
5720MHz Straddle 5.725-5.85GHz	57
5745MHz	104
5785MHz	108
5825MHz	97
802.11ac VHT40_Nss1,(MCS0)_1TX	-
5190MHz	43
5230MHz	80
5270MHz	55
5310MHz	47
5510MHz	53
5550MHz	56
5670MHz	57



Mode	Power Setting
5710MHz Straddle 5.47-5.725GHz	59
5710MHz Straddle 5.725-5.85GHz	59
5755MHz	81
5795MHz	85
802.11ac VHT80_Nss1,(MCS0)_1TX	-
5210MHz	48
5290MHz	49
5530MHz	50
5610MHz	57
5690MHz Straddle 5.47-5.725GHz	57
5690MHz Straddle 5.725-5.85GHz	57
5775MHz	66
802.11ac VHT160_Nss1,(MCS0)_1TX	-
5250MHz Straddle 5.15-5.25GHz	51
5250MHz Straddle 5.25-5.35GHz	51
5570MHz	54
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	59
5200MHz	80
5240MHz	101
5260MHz	56
5300MHz	56
5320MHz	57
5500MHz	52
5580MHz	55
5700MHz	49
5720MHz Straddle 5.47-5.725GHz	57
5720MHz Straddle 5.725-5.85GHz	57
5745MHz	104
5785MHz	108
5825MHz	97
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5190MHz	43
5230MHz	80
5270MHz	55
5310MHz	47



Mode	Power Setting
5510MHz	53
5550MHz	56
5670MHz	57
5710MHz Straddle 5.47-5.725GHz	59
5710MHz Straddle 5.725-5.85GHz	59
5755MHz	81
5795MHz	85
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5210MHz	48
5290MHz	49
5530MHz	50
5610MHz	57
5690MHz Straddle 5.47-5.725GHz	57
5690MHz Straddle 5.725-5.85GHz	57
5775MHz	66
802.11ax HEW160_Nss1,(MCS0)_1TX	-
5250MHz Straddle 5.15-5.25GHz	51
5250MHz Straddle 5.25-5.35GHz	51
5570MHz	54



Radio 2_2T2S

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	61
5200MHz	83
5240MHz	99
5260MHz	44
5300MHz	44
5320MHz	44
5500MHz	45
5580MHz	44
5700MHz	45
5720MHz Straddle 5.47-5.725GHz	48
5720MHz Straddle 5.725-5.85GHz	48
5745MHz	103
5785MHz	108
5825MHz	101
802.11n HT20_Nss2,(MCS0)_2TX	-
5180MHz	58
5200MHz	82
5240MHz	99
5260MHz	43
5300MHz	43
5320MHz	43
5500MHz	44
5580MHz	44
5700MHz	45
5720MHz Straddle 5.47-5.725GHz	46
5720MHz Straddle 5.725-5.85GHz	46
5745MHz	101
5785MHz	106
5825MHz	97
802.11n HT40_Nss2,(MCS0)_2TX	-
5190MHz	45
5230MHz	79
5270MHz	43
5310MHz	44



Mode	Power Setting
5510MHz	46
5550MHz	45
5670MHz	46
5710MHz Straddle 5.47-5.725GHz	48
5710MHz Straddle 5.725-5.85GHz	48
5755MHz	78
5795MHz	84
802.11ac VHT20_Nss2,(MCS0)_2TX	-
5180MHz	58
5200MHz	82
5240MHz	99
5260MHz	43
5300MHz	43
5320MHz	43
5500MHz	44
5580MHz	44
5700MHz	45
5720MHz Straddle 5.47-5.725GHz	46
5720MHz Straddle 5.725-5.85GHz	46
5745MHz	101
5785MHz	106
5825MHz	97
802.11ac VHT40_Nss2,(MCS0)_2TX	-
5190MHz	45
5230MHz	79
5270MHz	43
5310MHz	44
5510MHz	46
5550MHz	45
5670MHz	46
5710MHz Straddle 5.47-5.725GHz	48
5710MHz Straddle 5.725-5.85GHz	48
5755MHz	78
5795MHz	84
802.11ac VHT80_Nss2,(MCS0)_2TX	-
5210MHz	44



Mode	Power Setting
5290MHz	45
5530MHz	45
5610MHz	45
5690MHz Straddle 5.47-5.725GHz	47
5690MHz Straddle 5.725-5.85GHz	47
5775MHz	63
802.11ac VHT160_Nss2,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	48
5250MHz Straddle 5.25-5.35GHz	48
5570MHz	46
802.11ax HEW20_Nss2,(MCS0)_2TX	-
5180MHz	58
5200MHz	82
5240MHz	99
5260MHz	43
5300MHz	43
5320MHz	43
5500MHz	44
5580MHz	44
5700MHz	45
5720MHz Straddle 5.47-5.725GHz	49
5720MHz Straddle 5.725-5.85GHz	49
5745MHz	101
5785MHz	106
5825MHz	97
802.11ax HEW40_Nss2,(MCS0)_2TX	-
5190MHz	45
5230MHz	79
5270MHz	43
5310MHz	44
5510MHz	46
5550MHz	45
5670MHz	46
5710MHz Straddle 5.47-5.725GHz	48
5710MHz Straddle 5.725-5.85GHz	48
5755MHz	78



Mode	Power Setting
5795MHz	84
802.11ax HEW80_Nss2,(MCS0)_2TX	-
5210MHz	44
5290MHz	45
5530MHz	45
5610MHz	45
5690MHz Straddle 5.47-5.725GHz	47
5690MHz Straddle 5.725-5.85GHz	47
5775MHz	63
802.11ax HEW160_Nss2,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	48
5250MHz Straddle 5.25-5.35GHz	48
5570MHz	46



Radio 2_4T2S

Mode	Power Setting
802.11a_Nss4,(6Mbps)_4TX	-
5180MHz	40
5200MHz	40
5240MHz	41
5260MHz	23
5300MHz	23
5320MHz	23
5500MHz	25
5580MHz	24
5700MHz	24
5720MHz Straddle 5.47-5.725GHz	26
5720MHz Straddle 5.725-5.85GHz	26
5745MHz	86
5785MHz	96
5825MHz	86
802.11n HT20_Nss2,(MCS0)_4TX	-
5180MHz	41
5200MHz	40
5240MHz	53
5260MHz	27
5300MHz	27
5320MHz	27
5500MHz	28
5580MHz	27
5700MHz	28
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	89
5785MHz	102
5825MHz	94
802.11n HT40_Nss2,(MCS0)_4TX	-
5190MHz	41
5230MHz	49
5270MHz	35
5310MHz	34



Mode	Power Setting
5510MHz	36
5550MHz	34
5670MHz	35
5710MHz Straddle 5.47-5.725GHz	36
5710MHz Straddle 5.725-5.85GHz	36
5755MHz	74
5795MHz	80
802.11ac VHT20_Nss2,(MCS0)_4TX	-
5180MHz	41
5200MHz	40
5240MHz	53
5260MHz	27
5300MHz	27
5320MHz	27
5500MHz	28
5580MHz	27
5700MHz	28
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	89
5785MHz	102
5825MHz	94
802.11ac VHT40_Nss2,(MCS0)_4TX	-
5190MHz	41
5230MHz	49
5270MHz	35
5310MHz	34
5510MHz	36
5550MHz	34
5670MHz	35
5710MHz Straddle 5.47-5.725GHz	36
5710MHz Straddle 5.725-5.85GHz	36
5755MHz	74
5795MHz	80
802.11ac VHT80_Nss2,(MCS0)_4TX	-
5210MHz	35



Mode	Power Setting
5290MHz	35
5530MHz	35
5610MHz	34
5690MHz Straddle 5.47-5.725GHz	33
5690MHz Straddle 5.725-5.85GHz	33
5775MHz	60
802.11ac VHT160_Nss2,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	32
5250MHz Straddle 5.25-5.35GHz	32
5570MHz	35
802.11ax HEW20_Nss2,(MCS0)_4TX	-
5180MHz	41
5200MHz	40
5240MHz	53
5260MHz	27
5300MHz	27
5320MHz	27
5500MHz	28
5580MHz	27
5700MHz	28
5720MHz Straddle 5.47-5.725GHz	29
5720MHz Straddle 5.725-5.85GHz	29
5745MHz	89
5785MHz	102
5825MHz	94
802.11ax HEW40_Nss2,(MCS0)_4TX	-
5190MHz	41
5230MHz	49
5270MHz	35
5310MHz	34
5510MHz	36
5550MHz	34
5670MHz	35
5710MHz Straddle 5.47-5.725GHz	36
5710MHz Straddle 5.725-5.85GHz	36
5755MHz	74



Mode	Power Setting
5795MHz	80
802.11ax HEW80_Nss2,(MCS0)_4TX	-
5210MHz	35
5290MHz	35
5530MHz	35
5610MHz	34
5690MHz Straddle 5.47-5.725GHz	33
5690MHz Straddle 5.725-5.85GHz	33
5775MHz	60
802.11ax HEW160_Nss2,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	32
5250MHz Straddle 5.25-5.35GHz	32
5570MHz	35



Radio 2_4T4S

Mode	Power Setting
802.11n HT20_Nss4,(MCS0)_4TX	-
5180MHz	43
5200MHz	44
5240MHz	44
5260MHz	35
5300MHz	35
5320MHz	35
5500MHz	37
5580MHz	37
5700MHz	37
5720MHz Straddle 5.47-5.725GHz	39
5720MHz Straddle 5.725-5.85GHz	39
5745MHz	85
5785MHz	104
5825MHz	92
802.11n HT40_Nss4,(MCS0)_4TX	-
5190MHz	44
5230MHz	50
5270MHz	36
5310MHz	36
5510MHz	37
5550MHz	37
5670MHz	38
5710MHz Straddle 5.47-5.725GHz	41
5710MHz Straddle 5.725-5.85GHz	41
5755MHz	66
5795MHz	76
802.11ac VHT20_Nss4,(MCS0)_4TX	-
5180MHz	43
5200MHz	44
5240MHz	44
5260MHz	35
5300MHz	35
5320MHz	35
5500MHz	37



Mode	Power Setting
5580MHz	37
5700MHz	37
5720MHz Straddle 5.47-5.725GHz	41
5720MHz Straddle 5.725-5.85GHz	41
5745MHz	85
5785MHz	104
5825MHz	92
802.11ac VHT40_Nss4,(MCS0)_4TX	-
5190MHz	44
5230MHz	50
5270MHz	36
5310MHz	36
5510MHz	37
5550MHz	37
5670MHz	39
5710MHz Straddle 5.47-5.725GHz	41
5710MHz Straddle 5.725-5.85GHz	41
5755MHz	66
5795MHz	76
802.11ac VHT80_Nss4,(MCS0)_4TX	-
5210MHz	42
5290MHz	36
5530MHz	37
5610MHz	37
5690MHz Straddle 5.47-5.725GHz	39
5690MHz Straddle 5.725-5.85GHz	39
5775MHz	60
802.11ac VHT160_Nss4,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	48
5250MHz Straddle 5.25-5.35GHz	48
5570MHz	39
802.11ax HEW20_Nss4,(MCS0)_4TX	-
5180MHz	43
5200MHz	44
5240MHz	44
5260MHz	35



Mode	Power Setting
5300MHz	35
5320MHz	35
5500MHz	37
5580MHz	37
5700MHz	37
5720MHz Straddle 5.47-5.725GHz	40
5720MHz Straddle 5.725-5.85GHz	40
5745MHz	85
5785MHz	104
5825MHz	92
802.11ax HEW40_Nss4,(MCS0)_4TX	-
5190MHz	44
5230MHz	50
5270MHz	36
5310MHz	36
5510MHz	37
5550MHz	37
5670MHz	39
5710MHz Straddle 5.47-5.725GHz	41
5710MHz Straddle 5.725-5.85GHz	41
5755MHz	66
5795MHz	76
802.11ax HEW80_Nss4,(MCS0)_4TX	-
5210MHz	42
5290MHz	36
5530MHz	37
5610MHz	37
5690MHz Straddle 5.47-5.725GHz	39
5690MHz Straddle 5.725-5.85GHz	39
5775MHz	60
802.11ax HEW160_Nss4,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	48
5250MHz Straddle 5.25-5.35GHz	48
5570MHz	39



Beamforming
Radio 2_4T2S


Mode	Power Setting
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
5180MHz	29
5200MHz	28
5240MHz	41
5260MHz	15
5300MHz	15
5320MHz	15
5500MHz	16
5580MHz	15
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	77
5785MHz	90
5825MHz	82
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
5190MHz	29
5230MHz	37
5270MHz	23
5310MHz	24
5510MHz	24
5550MHz	22
5670MHz	23
5710MHz Straddle 5.47-5.725GHz	24
5710MHz Straddle 5.725-5.85GHz	24
5755MHz	62
5795MHz	68
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-
5210MHz	23
5290MHz	23
5530MHz	23
5610MHz	22
5690MHz Straddle 5.47-5.725GHz	21
5690MHz Straddle 5.725-5.85GHz	21

Mode	Power Setting
5775MHz	48
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	20
5250MHz Straddle 5.25-5.35GHz	20
5570MHz	23

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE mode

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

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



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Radio1 Panel2 2.4G + Radio2 Dual Polarized Directional 5G + Radio3 Panel2 2.4G + Bluetooth Dipole
2	Radio1 Panel2 2.4G + Radio2 Dual Polarized Directional 5G + Radio3 Panel2 2.4G + Thread Dipole
3	Radio1 Panel2 2.4G + Radio2 Dual Polarized Directional 5G + Radio3 Panel1 5G + Bluetooth Dipole
4	Radio1 Panel2 2.4G + Radio2 Dual Polarized Directional 5G + Radio3 Panel1 5G + Thread Dipole
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio1 WLAN 2.4GHz + Radio2 WLAN 5GHz + Radio3 WLAN 2.4GHz + Bluetooth
2	Radio1 WLAN 2.4GHz + Radio2 WLAN 5GHz + Radio3 WLAN 2.4GHz +Thread
3	Radio1 WLAN 2.4GHz + Radio2 WLAN 5GHz + Radio3 WLAN 5GHz + Bluetooth
4	Radio1 WLAN 2.4GHz + Radio2 WLAN 5GHz + Radio3 WLAN 5GHz +Thread
Refer to Sporton Test Report No.: FA970235-08 for Co-location RF Exposure Evaluation.	



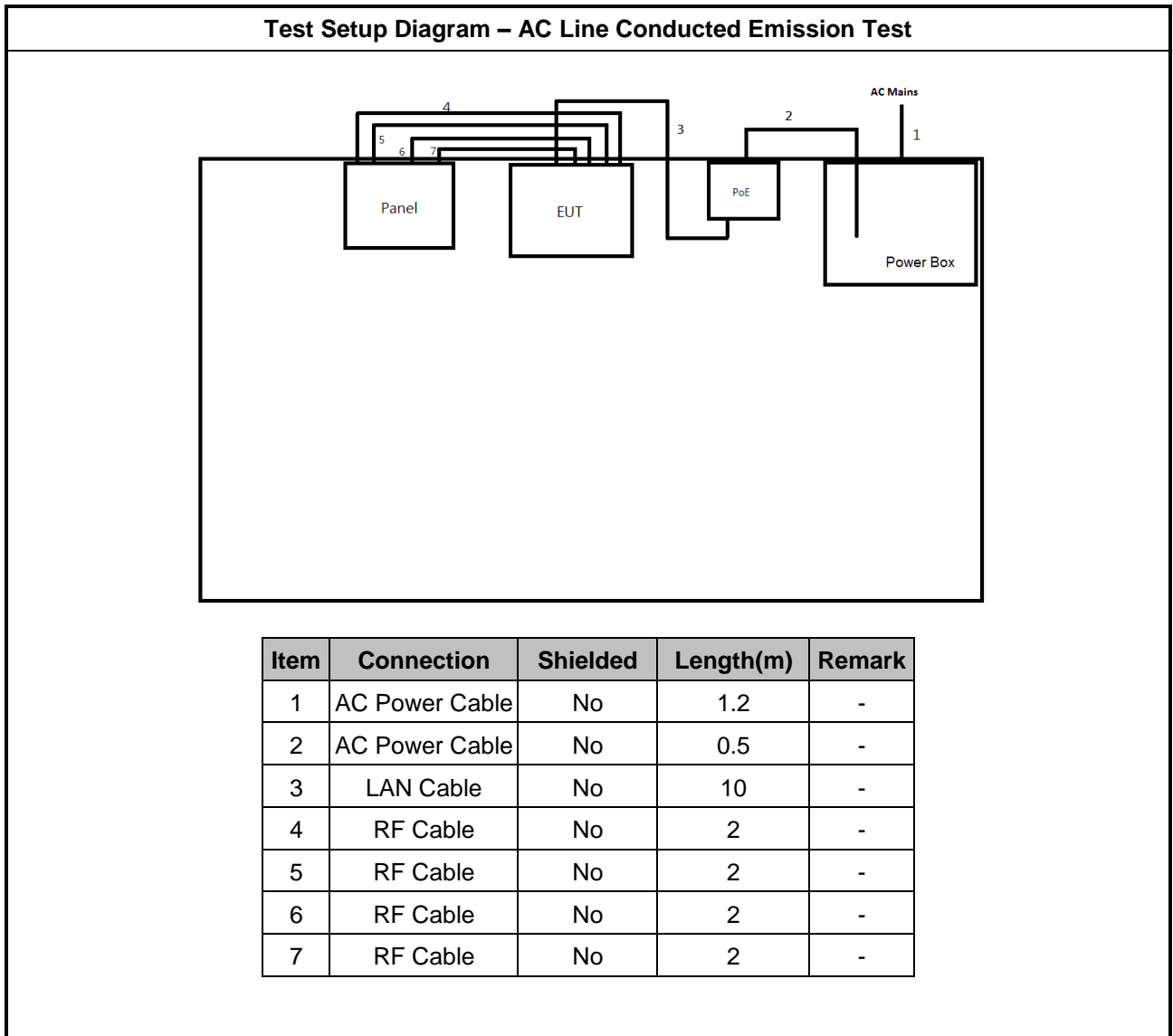
2.3 Support Equipment

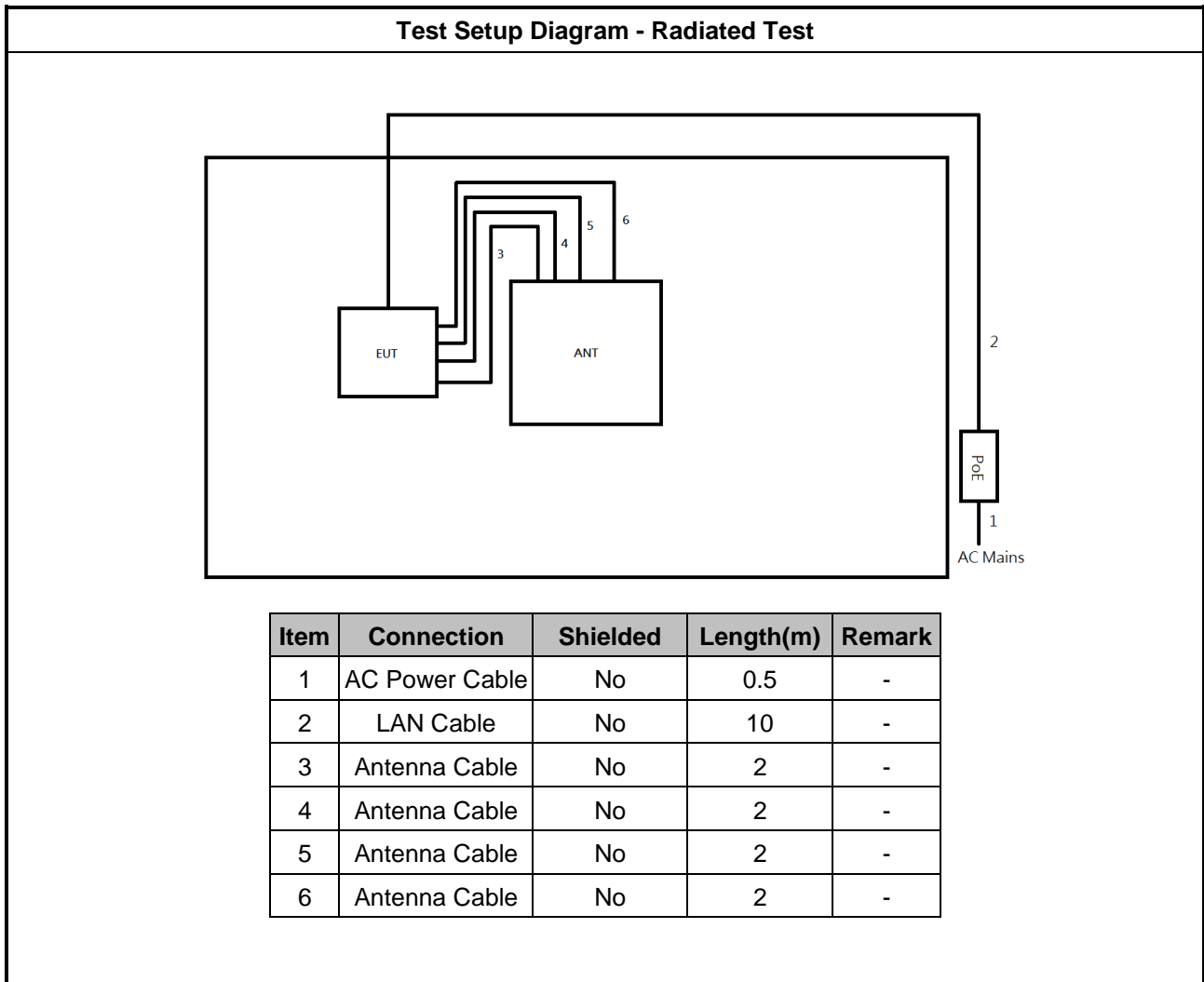
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	PoE	EnGenius	EPA5006GP	-	Provided by Customer
2	AC Power Cable	-	-	-	Provided by Customer
3	LAN Cable	Power Sync	CAT-6E-10	-	-
4	Panel Antenna	Laird	PDQ244915	-	-

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	PoE	EnGenius	EPA5006GP	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	LAN Cable	Power Sync	CAT-6E-10	-	-
2	Panel Antenna	Laird	PDQ244915	-	-
3	PoE (remote)	EnGenius	EPA5006GP	-	Provided by Customer
4	AC Power Cable (remote)	-	-	-	Provided by Customer

2.4 Test Setup Diagram







3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

AC Power-line Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

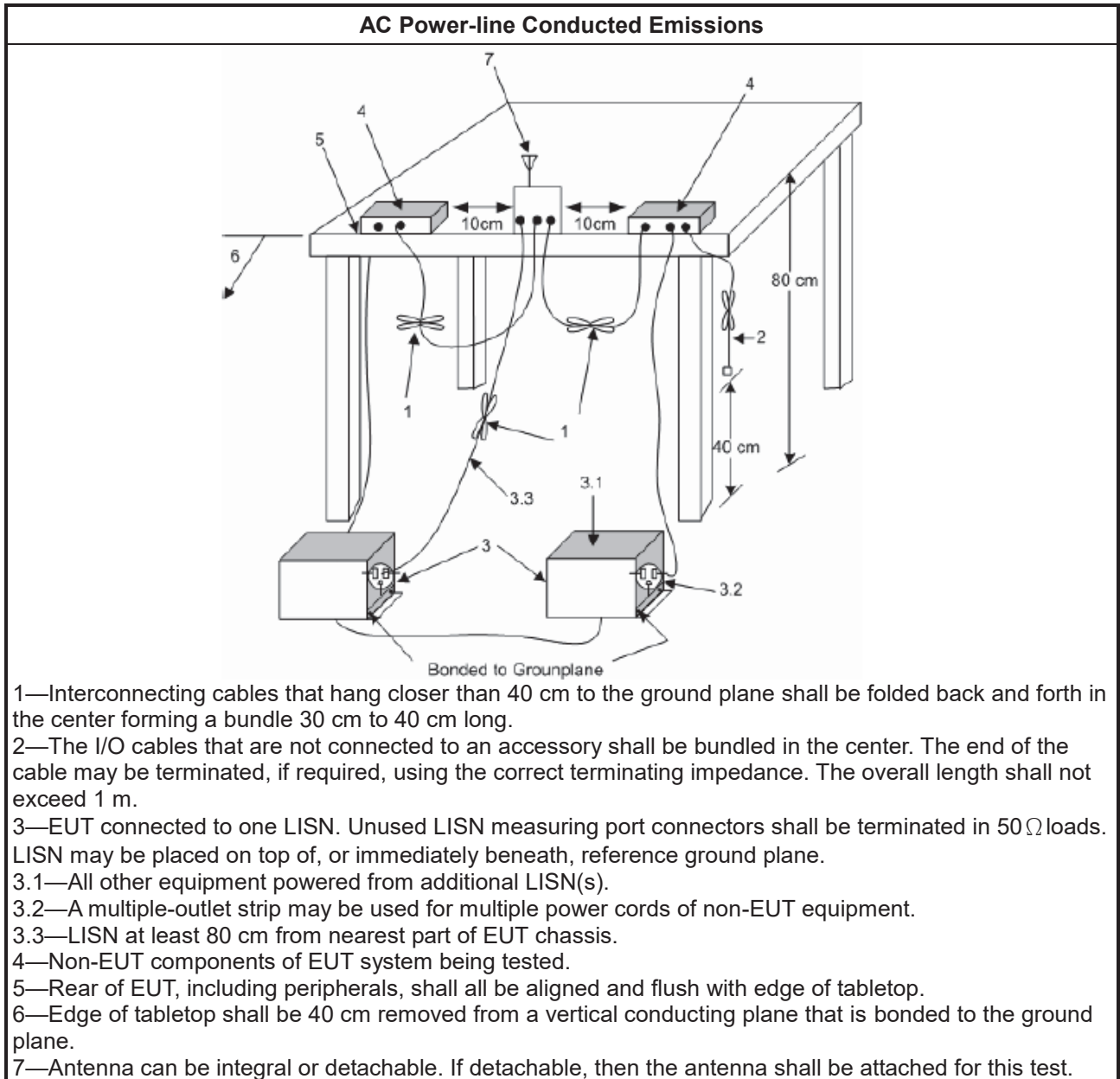
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.15-5.25 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.25-5.35 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.47-5.725 GHz band, N/A
<input checked="" type="checkbox"/>	For the 5.725-5.85 GHz band, 6 dB emission bandwidth \geq 500kHz.

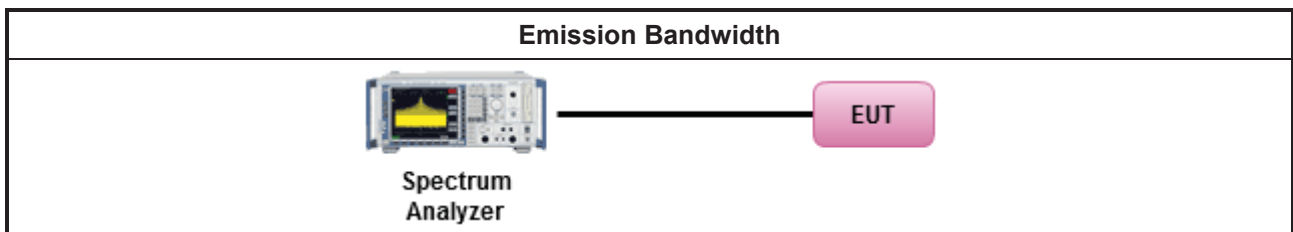
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: 	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $\leq 125mW$ [21dBm]
	<ul style="list-style-type: none"> ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 30 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ 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 $P_{Out} = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ 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

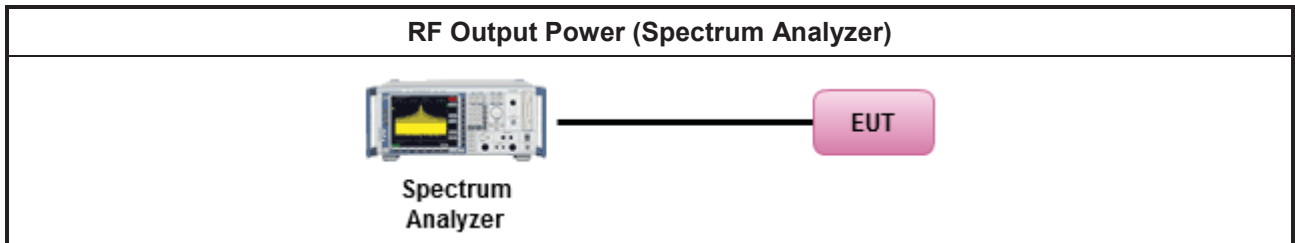
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

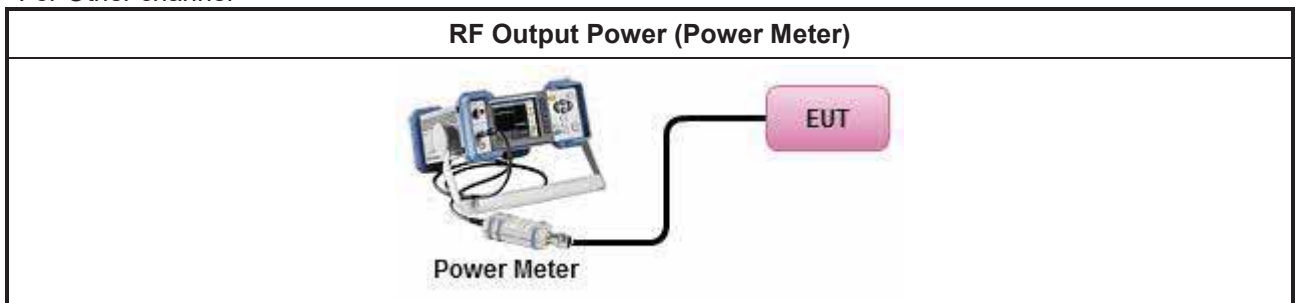
Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
	Duty cycle \geq 98%
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $<$ 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
	<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For Straddle channel



For Other channel



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> ▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
<p>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</p> <p>G_{TX} = the maximum transmitting antenna directional gain in dBi.</p>	

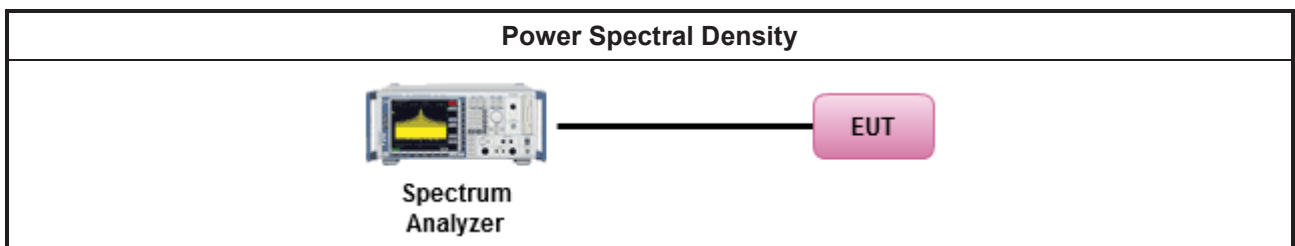
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> 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: 	
<input type="checkbox"/>	Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth Duty cycle ≥ 98%
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging). Duty cycle < 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<ul style="list-style-type: none"> For conducted measurement. 	
<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace. If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$ 	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

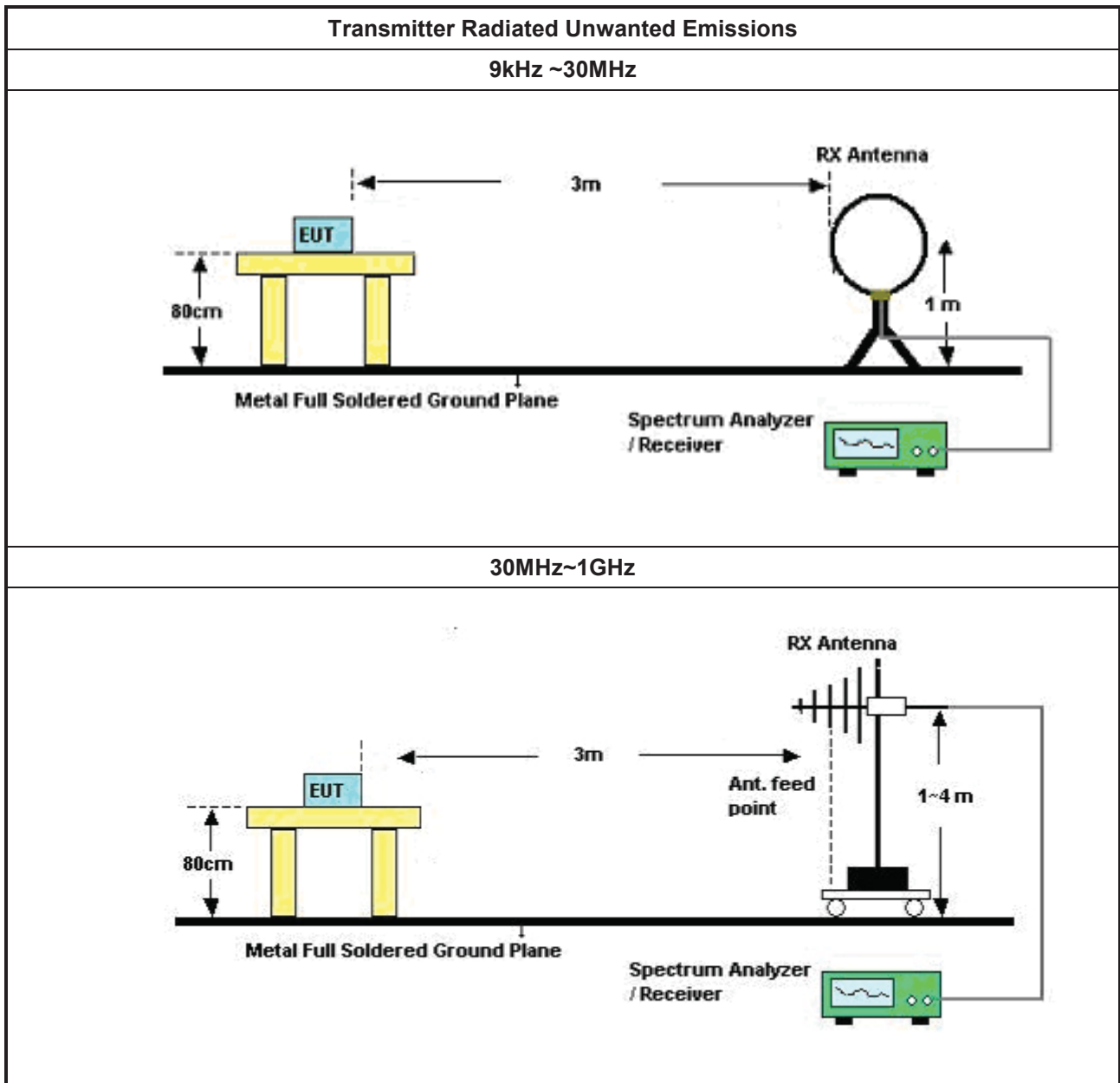
Test Method	
<ul style="list-style-type: none"> Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance 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). 	
<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
<input checked="" type="checkbox"/>	Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
<ul style="list-style-type: none"> For radiated measurement. 	
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none"> The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: 	
	<ul style="list-style-type: none"> Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. 	
	<ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

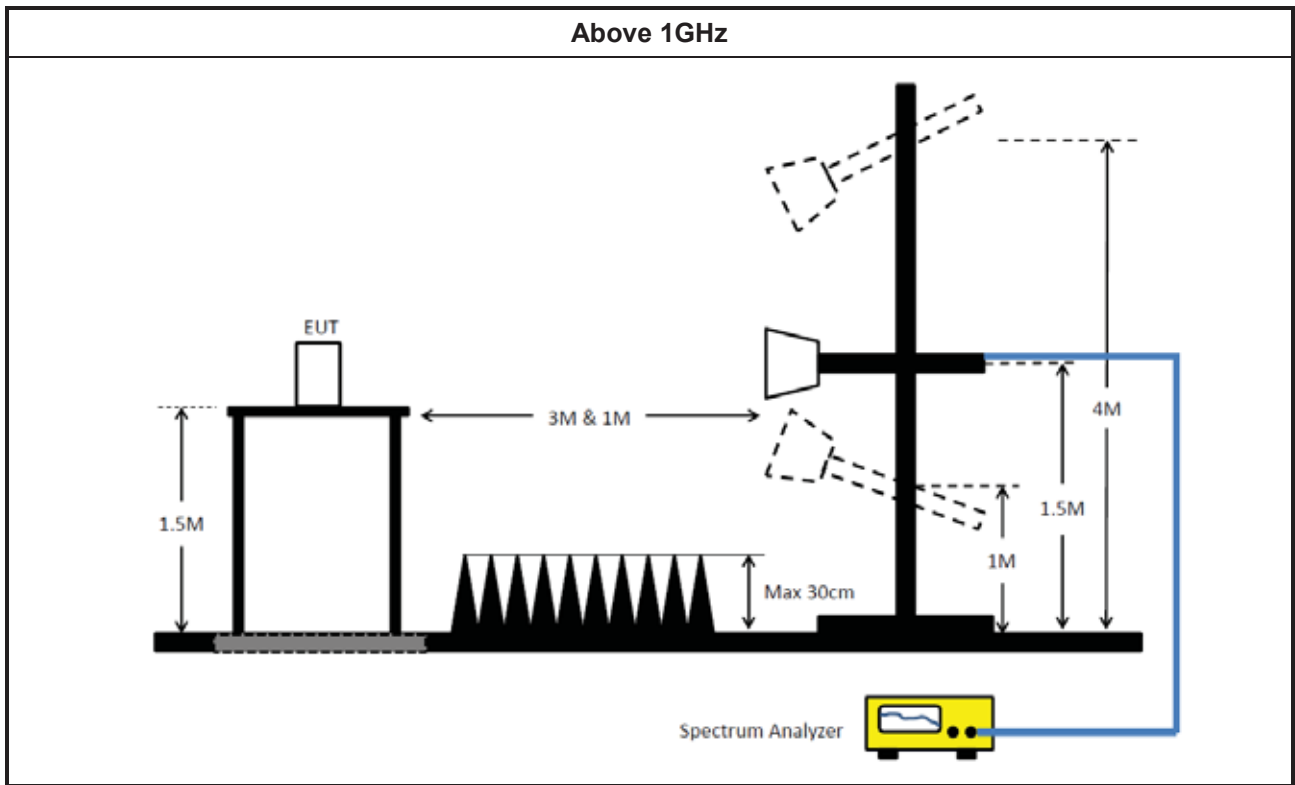
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2023	13/Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15407_NII	Sporton	V5.11	N/A	N/A	N/A	N/A



Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	16/Oct/2022	15/Oct/2023
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15407_NII	Sporton	V5.10.8.7.1	N/A	N/A	N/A	N/A
SENSE-15407_NII	Sporton	V5.11.2	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
Microwave Pre-amplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Pre-amplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
SENSE-15407_NII	Sporton	V5.11.2	N/A	N/A	N/A	N/A



Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	V5.10.8	N/A	N/A	N/A	N/A



Summary

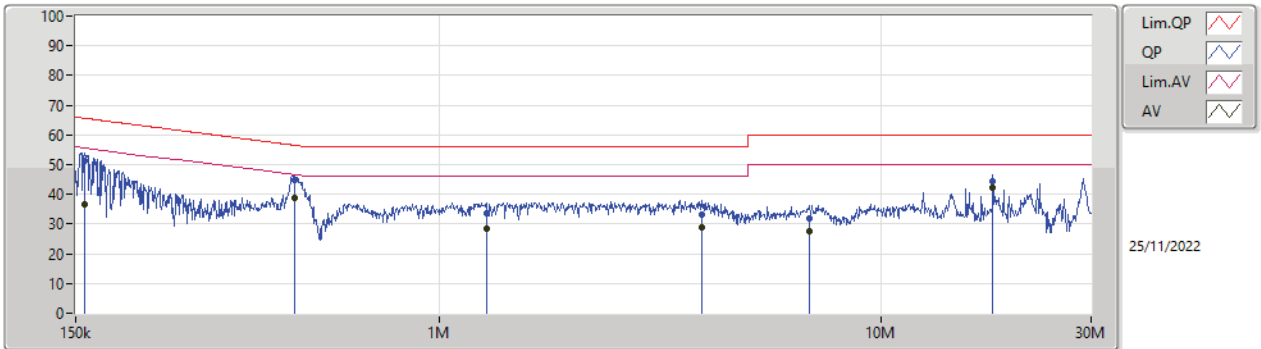
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	17.981M	42.43	50.00	-7.57	Line



Result

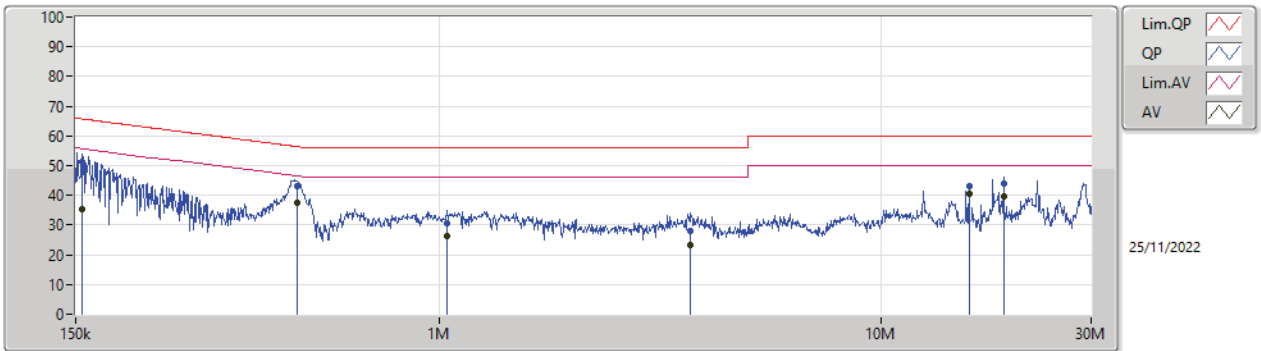
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.734k	51.24	65.64	-14.40	Line	-
Mode 1	Pass	AV	156.734k	36.56	55.64	-19.08	Line	-
Mode 1	Pass	QP	471.701k	44.70	56.48	-11.78	Line	-
Mode 1	Pass	AV	471.701k	38.85	46.48	-7.63	Line	-
Mode 1	Pass	QP	1.28M	33.50	56.00	-22.50	Line	-
Mode 1	Pass	AV	1.28M	28.27	46.00	-17.73	Line	-
Mode 1	Pass	QP	3.945M	33.38	56.00	-22.62	Line	-
Mode 1	Pass	AV	3.945M	28.68	46.00	-17.32	Line	-
Mode 1	Pass	QP	6.898M	31.97	60.00	-28.03	Line	-
Mode 1	Pass	AV	6.898M	27.65	50.00	-22.35	Line	-
Mode 1	Pass	QP	17.981M	44.44	60.00	-15.56	Line	-
Mode 1	Pass	AV	17.981M	42.43	50.00	-7.57	Line	-
Mode 1	Pass	QP	154.868k	51.13	65.73	-14.60	Neutral	-
Mode 1	Pass	AV	154.868k	35.50	55.73	-20.23	Neutral	-
Mode 1	Pass	QP	477.384k	43.05	56.38	-13.33	Neutral	-
Mode 1	Pass	AV	477.384k	37.58	46.38	-8.80	Neutral	-
Mode 1	Pass	QP	1.044M	30.57	56.00	-25.43	Neutral	-
Mode 1	Pass	AV	1.044M	26.17	46.00	-19.83	Neutral	-
Mode 1	Pass	QP	3.715M	28.19	56.00	-27.81	Neutral	-
Mode 1	Pass	AV	3.715M	23.27	46.00	-22.73	Neutral	-
Mode 1	Pass	QP	15.888M	43.23	60.00	-16.77	Neutral	-
Mode 1	Pass	AV	15.888M	40.41	50.00	-9.59	Neutral	-
Mode 1	Pass	QP	19.014M	44.02	60.00	-15.98	Neutral	-
Mode 1	Pass	AV	19.014M	39.84	50.00	-10.16	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	156.734k	51.24	65.64	-14.40	19.65	Line	-	31.59	9.69	0.03	9.93
AV	156.734k	36.56	55.64	-19.08	19.65	Line	-	16.91	9.69	0.03	9.93
QP	471.701k	44.70	56.48	-11.78	19.68	Line	-	25.02	9.68	0.04	9.96
AV	471.701k	38.85	46.48	-7.63	19.68	Line	-	19.17	9.68	0.04	9.96
QP	1.28M	33.50	56.00	-22.50	19.69	Line	-	13.81	9.69	0.06	9.94
AV	1.28M	28.27	46.00	-17.73	19.69	Line	-	8.58	9.69	0.06	9.94
QP	3.945M	33.38	56.00	-22.62	19.77	Line	-	13.61	9.71	0.13	9.93
AV	3.945M	28.68	46.00	-17.32	19.77	Line	-	8.91	9.71	0.13	9.93
QP	6.898M	31.97	60.00	-28.03	19.88	Line	-	12.09	9.77	0.16	9.95
AV	6.898M	27.65	50.00	-22.35	19.88	Line	-	7.77	9.77	0.16	9.95
QP	17.981M	44.44	60.00	-15.56	20.02	Line	-	24.42	9.79	0.26	9.97
AV	17.981M	42.43	50.00	-7.57	20.02	Line	-	22.41	9.79	0.26	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.868k	51.13	65.73	-14.60	19.69	Neutral	-	31.44	9.73	0.03	9.93
AV	154.868k	35.50	55.73	-20.23	19.69	Neutral	-	15.81	9.73	0.03	9.93
QP	477.384k	43.05	56.38	-13.33	19.72	Neutral	-	23.33	9.72	0.04	9.96
AV	477.384k	37.58	46.38	-8.80	19.72	Neutral	-	17.86	9.72	0.04	9.96
QP	1.044M	30.57	56.00	-25.43	19.72	Neutral	-	10.85	9.73	0.05	9.94
AV	1.044M	26.17	46.00	-19.83	19.72	Neutral	-	6.45	9.73	0.05	9.94
QP	3.715M	28.19	56.00	-27.81	19.81	Neutral	-	8.38	9.76	0.12	9.93
AV	3.715M	23.27	46.00	-22.73	19.81	Neutral	-	3.46	9.76	0.12	9.93
QP	15.888M	43.23	60.00	-16.77	20.18	Neutral	-	23.05	9.96	0.25	9.97
AV	15.888M	40.41	50.00	-9.59	20.18	Neutral	-	20.23	9.96	0.25	9.97
QP	19.014M	44.02	60.00	-15.98	20.21	Neutral	-	23.81	9.98	0.26	9.97
AV	19.014M	39.84	50.00	-10.16	20.21	Neutral	-	19.63	9.98	0.26	9.97



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	37.07M	17.432M	17M4D1D	21.175M	16.771M
802.11n HT20_Nss1,(MCS0)_1TX	39.6M	19.89M	19M9D1D	21.505M	17.898M
802.11n HT40_Nss1,(MCS0)_1TX	40.37M	36.541M	36M5D1D	39.71M	36.409M
802.11ac VHT20_Nss1,(MCS0)_1TX	41.635M	19.836M	19M8D1D	21.505M	17.843M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.59M	36.541M	36M5D1D	39.82M	36.4M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.84M	75.704M	75M7D1D	81.84M	75.704M
802.11ac VHT160_Nss1,(MCS0)_1TX	82.08M	76.013M	76MOD1D	82.08M	76.013M
802.11ax HEW20_Nss1,(MCS0)_1TX	41.91M	19.867M	19M9D1D	21.45M	19.004M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.93M	37.695M	37M7D1D	39.82M	37.589M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.84M	77.065M	77M1D1D	81.84M	77.065M
802.11ax HEW160_Nss1,(MCS0)_1TX	80.96M	77.144M	77M1D1D	80.96M	77.144M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	37.015M	19.423M	19M4D1D	21.12M	16.747M
802.11n HT20_Nss1,(MCS0)_1TX	21.56M	17.915M	17M9D1D	21.34M	17.889M
802.11n HT40_Nss1,(MCS0)_1TX	39.93M	36.449M	36M4D1D	39.6M	36.421M
802.11ac VHT20_Nss1,(MCS0)_1TX	21.45M	17.863M	17M9D1D	21.45M	17.846M
802.11ac VHT40_Nss1,(MCS0)_1TX	39.93M	36.433M	36M4D1D	39.71M	36.394M
802.11ac VHT80_Nss1,(MCS0)_1TX	81.62M	75.757M	75M8D1D	81.62M	75.757M
802.11ac VHT160_Nss1,(MCS0)_1TX	82.08M	76.045M	76MOD1D	82.08M	76.045M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.34M	19.02M	19MOD1D	21.23M	18.996M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.71M	37.624M	37M6D1D	39.6M	37.623M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.4M	77.107M	77M1D1D	81.4M	77.107M
802.11ax HEW160_Nss1,(MCS0)_1TX	80.96M	77.434M	77M4D1D	80.96M	77.434M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	23.73M	16.773M	16M8D1D	21.01M	14.746M
802.11n HT20_Nss1,(MCS0)_1TX	21.67M	17.93M	17M9D1D	15.915M	13.992M
802.11n HT40_Nss1,(MCS0)_1TX	39.82M	36.423M	36M4D1D	34.93M	33.116M
802.11ac VHT20_Nss1,(MCS0)_1TX	21.395M	17.871M	17M9D1D	15.78M	13.964M
802.11ac VHT40_Nss1,(MCS0)_1TX	40.26M	36.475M	36M5D1D	34.965M	33.155M
802.11ac VHT80_Nss1,(MCS0)_1TX	82.06M	75.761M	75M8D1D	75.975M	72.512M
802.11ac VHT160_Nss1,(MCS0)_1TX	164.12M	154.17M	154MD1D	164.12M	154.17M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.395M	19.003M	19MOD1D	15.735M	14.515M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.82M	37.632M	37M6D1D	34.825M	33.659M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.28M	77.167M	77M2D1D	76.05M	73.204M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.12M	155.21M	155MD1D	164.12M	155.21M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_1TX	16.39M	32.64M	32M6D1D	3.14M	3.958M
802.11n HT20_Nss1,(MCS0)_1TX	17.6M	33.834M	33M8D1D	3.74M	4.316M
802.11n HT40_Nss1,(MCS0)_1TX	36.41M	37.275M	37M3D1D	3.22M	3.509M
802.11ac VHT20_Nss1,(MCS0)_1TX	17.6M	33.653M	33M7D1D	3.74M	4.24M
802.11ac VHT40_Nss1,(MCS0)_1TX	36.3M	37.409M	37M4D1D	3.12M	3.537M
802.11ac VHT80_Nss1,(MCS0)_1TX	75.24M	75.803M	75M8D1D	3.12M	3.77M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.92M	33.392M	33M4D1D	4.46M	4.537M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.51M	38.09M	38M1D1D	3.84M	4.043M
802.11ax HEW80_Nss1,(MCS0)_1TX	76.34M	77.069M	77M1D1D	4M	4.165M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11a_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.175M	16.771M
5200MHz	Pass	Inf	23.54M	16.872M
5240MHz	Pass	Inf	37.07M	17.432M
5260MHz	Pass	Inf	37.015M	19.423M
5300MHz	Pass	Inf	28.38M	16.913M
5320MHz	Pass	Inf	21.12M	16.747M
5500MHz	Pass	Inf	21.01M	16.739M
5580MHz	Pass	Inf	21.23M	16.756M
5700MHz	Pass	Inf	21.175M	16.773M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.73M	14.746M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.958M
5745MHz	Pass	500k	16.335M	27.198M
5785MHz	Pass	500k	16.28M	32.64M
5825MHz	Pass	500k	16.39M	26.53M
802.11n HT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.505M	17.898M
5200MHz	Pass	Inf	21.505M	17.948M
5240MHz	Pass	Inf	39.6M	19.89M
5260MHz	Pass	Inf	21.56M	17.889M
5300MHz	Pass	Inf	21.34M	17.915M
5320MHz	Pass	Inf	21.505M	17.892M
5500MHz	Pass	Inf	21.505M	17.898M
5580MHz	Pass	Inf	21.67M	17.93M
5700MHz	Pass	Inf	21.56M	17.899M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.915M	13.992M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.316M
5745MHz	Pass	500k	17.6M	29.675M
5785MHz	Pass	500k	17.27M	33.834M
5825MHz	Pass	500k	17.545M	24.037M
802.11n HT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.71M	36.409M
5230MHz	Pass	Inf	40.37M	36.541M
5270MHz	Pass	Inf	39.93M	36.449M
5310MHz	Pass	Inf	39.6M	36.421M
5510MHz	Pass	Inf	39.6M	36.396M
5550MHz	Pass	Inf	39.6M	36.423M
5670MHz	Pass	Inf	39.82M	36.423M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.93M	33.116M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.509M
5755MHz	Pass	500k	36.41M	36.911M
5795MHz	Pass	500k	36.3M	37.275M
802.11ac VHT20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.505M	17.843M
5200MHz	Pass	Inf	23.375M	17.897M
5240MHz	Pass	Inf	41.635M	19.836M
5260MHz	Pass	Inf	21.45M	17.848M
5300MHz	Pass	Inf	21.45M	17.863M
5320MHz	Pass	Inf	21.45M	17.846M
5500MHz	Pass	Inf	21.34M	17.856M
5580MHz	Pass	Inf	21.395M	17.871M
5700MHz	Pass	Inf	21.395M	17.854M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.964M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.74M	4.24M
5745MHz	Pass	500k	17.545M	29.237M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5785MHz	Pass	500k	16.885M	33.653M
5825MHz	Pass	500k	17.6M	24.395M
802.11ac VHT40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.82M	36.4M
5230MHz	Pass	Inf	40.59M	36.541M
5270MHz	Pass	Inf	39.71M	36.394M
5310MHz	Pass	Inf	39.93M	36.433M
5510MHz	Pass	Inf	39.93M	36.475M
5550MHz	Pass	Inf	39.93M	36.461M
5670MHz	Pass	Inf	40.26M	36.417M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.965M	33.155M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.537M
5755MHz	Pass	500k	36.3M	36.989M
5795MHz	Pass	500k	36.3M	37.409M
802.11ac VHT80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.84M	75.704M
5290MHz	Pass	Inf	81.62M	75.757M
5530MHz	Pass	Inf	82.06M	75.719M
5610MHz	Pass	Inf	82.06M	75.761M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	72.512M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.77M
5775MHz	Pass	500k	75.24M	75.803M
802.11ac VHT160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.08M	76.013M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.08M	76.045M
5570MHz	Pass	Inf	164.12M	154.17M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.45M	19.004M
5200MHz	Pass	Inf	27.5M	19.054M
5240MHz	Pass	Inf	41.91M	19.867M
5260MHz	Pass	Inf	21.34M	18.997M
5300MHz	Pass	Inf	21.23M	18.996M
5320MHz	Pass	Inf	21.23M	19.02M
5500MHz	Pass	Inf	21.23M	18.998M
5580MHz	Pass	Inf	21.395M	18.994M
5700MHz	Pass	Inf	21.285M	19.003M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.515M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.537M
5745MHz	Pass	500k	18.92M	29.693M
5785MHz	Pass	500k	18.59M	33.392M
5825MHz	Pass	500k	18.755M	24.036M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.93M	37.589M
5230MHz	Pass	Inf	39.82M	37.695M
5270MHz	Pass	Inf	39.71M	37.623M
5310MHz	Pass	Inf	39.6M	37.624M
5510MHz	Pass	Inf	39.6M	37.631M
5550MHz	Pass	Inf	39.82M	37.574M
5670MHz	Pass	Inf	39.49M	37.632M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.825M	33.659M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	4.043M
5755MHz	Pass	500k	37.4M	37.863M
5795MHz	Pass	500k	37.51M	38.09M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.84M	77.065M
5290MHz	Pass	Inf	81.4M	77.107M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5530MHz	Pass	Inf	82.28M	77.167M
5610MHz	Pass	Inf	82.06M	77.132M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	73.204M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	4.165M
5775MHz	Pass	500k	76.34M	77.069M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.96M	77.144M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.96M	77.434M
5570MHz	Pass	Inf	164.12M	155.21M

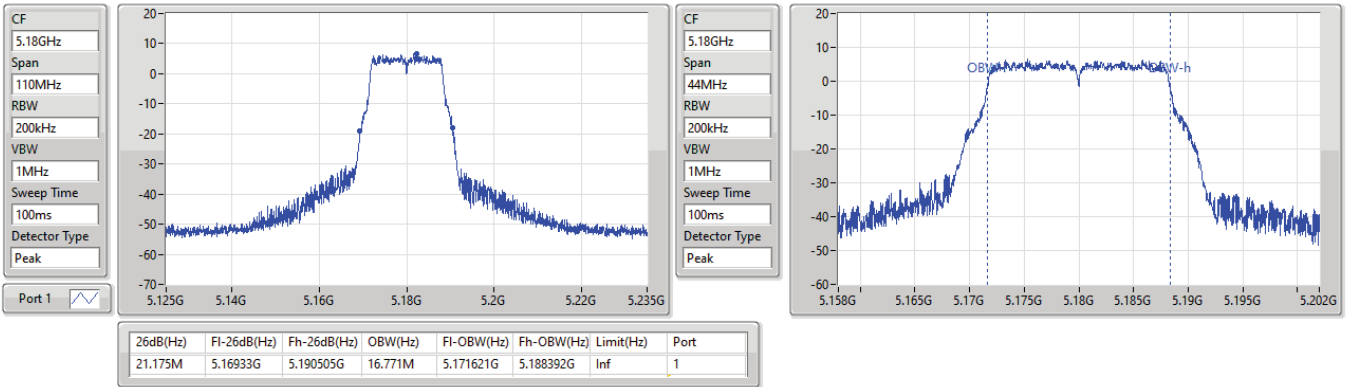
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

03/03/2023

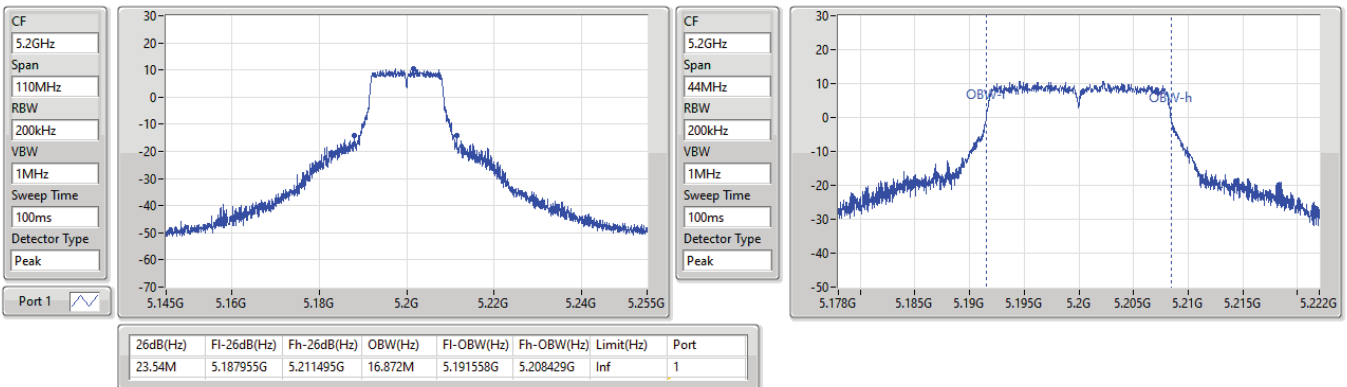


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5200MHz

03/03/2023

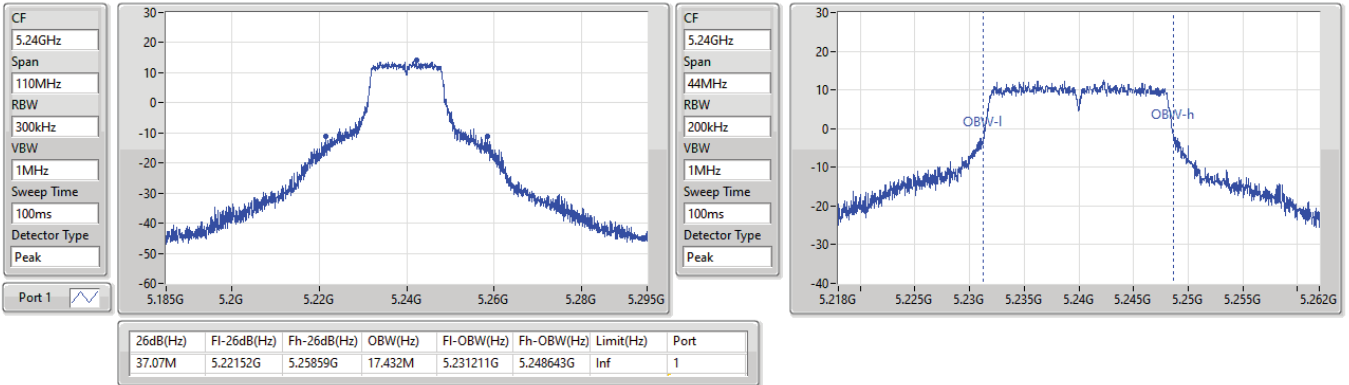


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5240MHz

03/03/2023

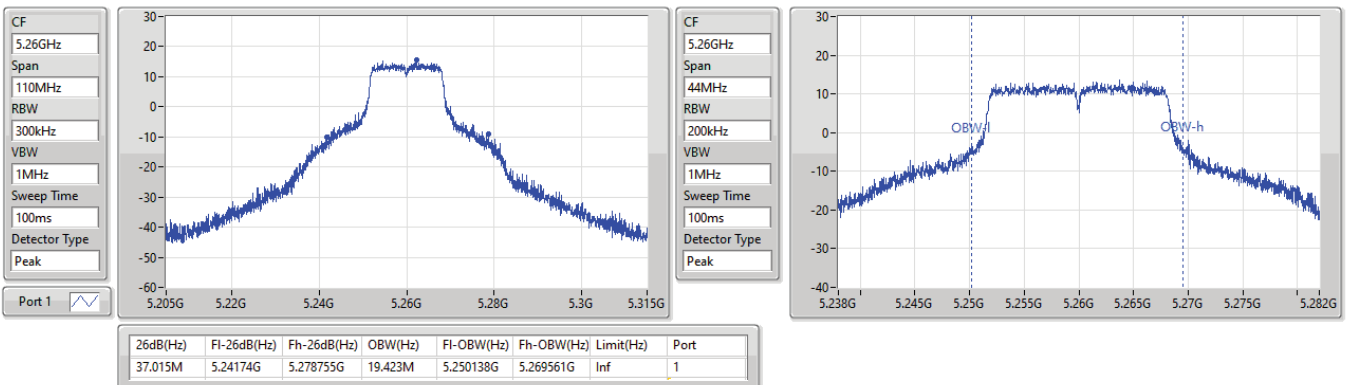


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5260MHz

03/03/2023

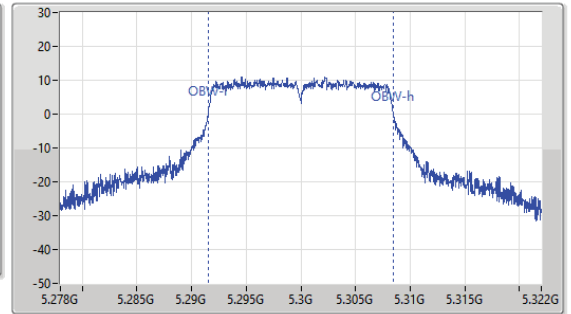
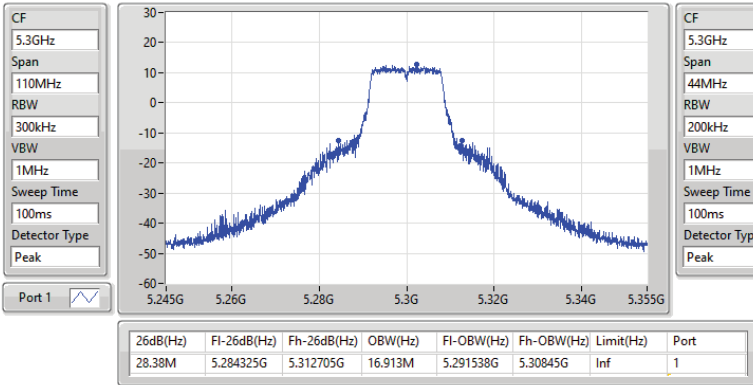


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5300MHz

03/03/2023

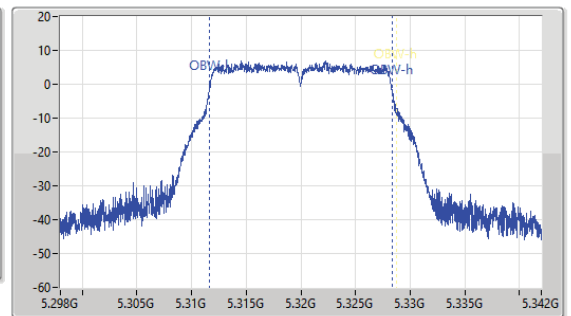
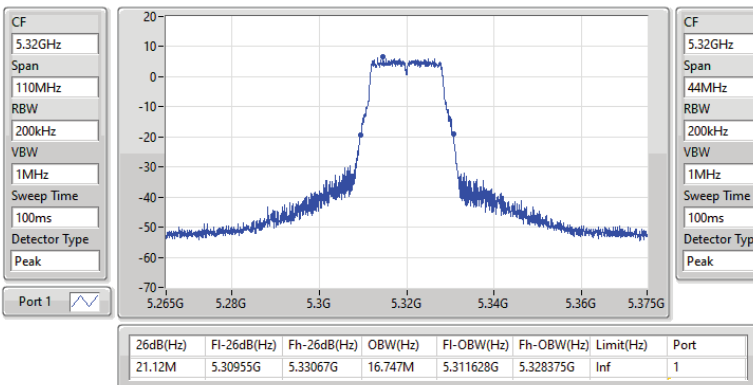


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5320MHz

03/03/2023





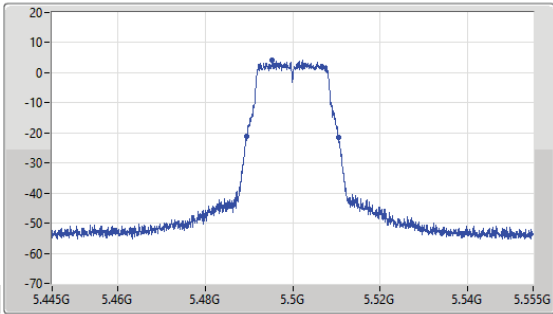
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

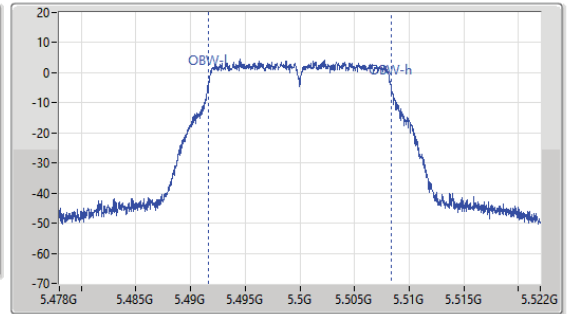
5500MHz

03/03/2023

CF
5.5GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
44MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	5.489495G	5.510505G	16.739M	5.491637G	5.508376G	Inf	1

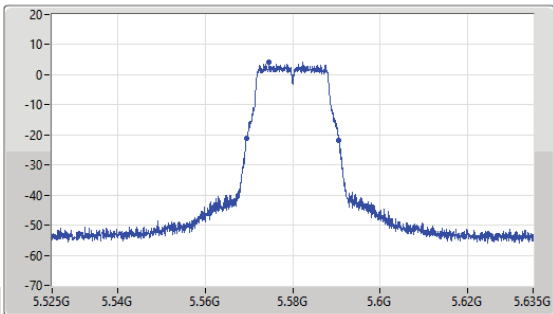
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

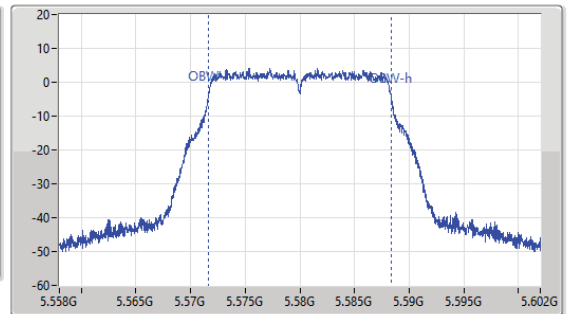
5580MHz

03/03/2023

CF
5.58GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.58GHz
Span
44MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	5.569385G	5.590615G	16.756M	5.571615G	5.588371G	Inf	1



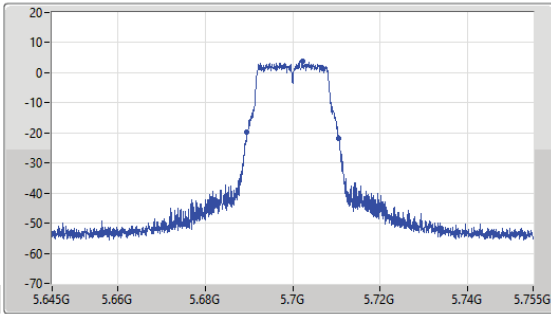
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

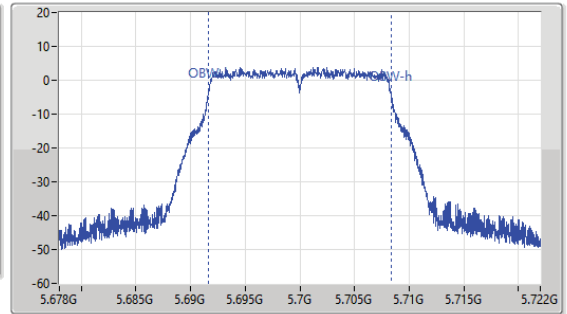
5700MHz

03/03/2023

CF
5.7GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.7GHz
Span
44MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.175M	5.68944G	5.710615G	16.773M	5.69161G	5.708383G	Inf	1

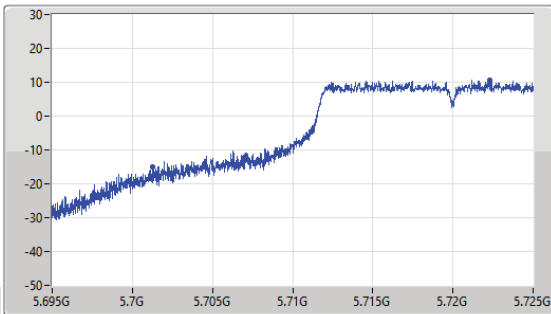
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

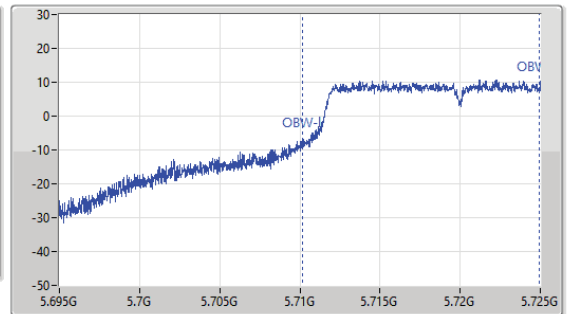
5720MHz Straddle 5.47-5.725GHz

03/03/2023

CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.71GHz
Span
30MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.73M	5.70127G	5.725G	14.746M	5.710191G	5.724937G	Inf	1

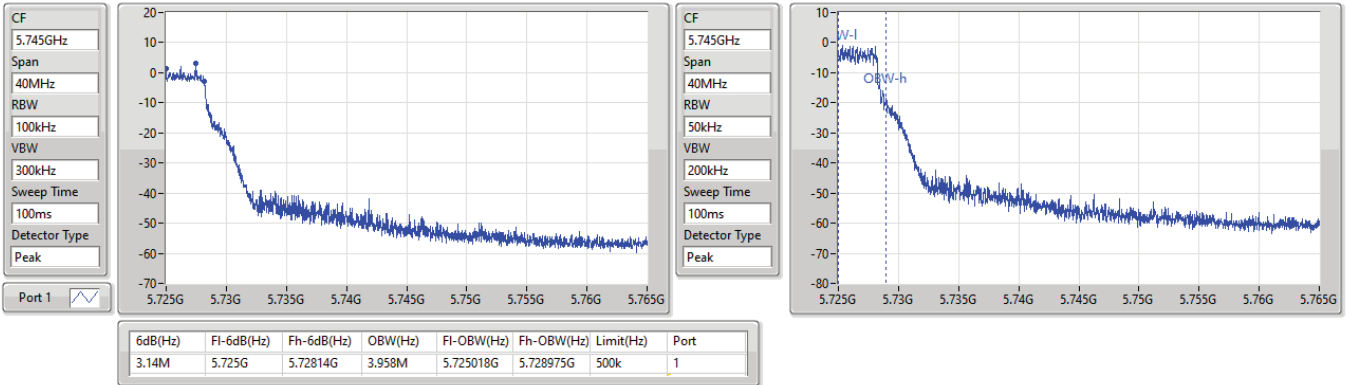


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023

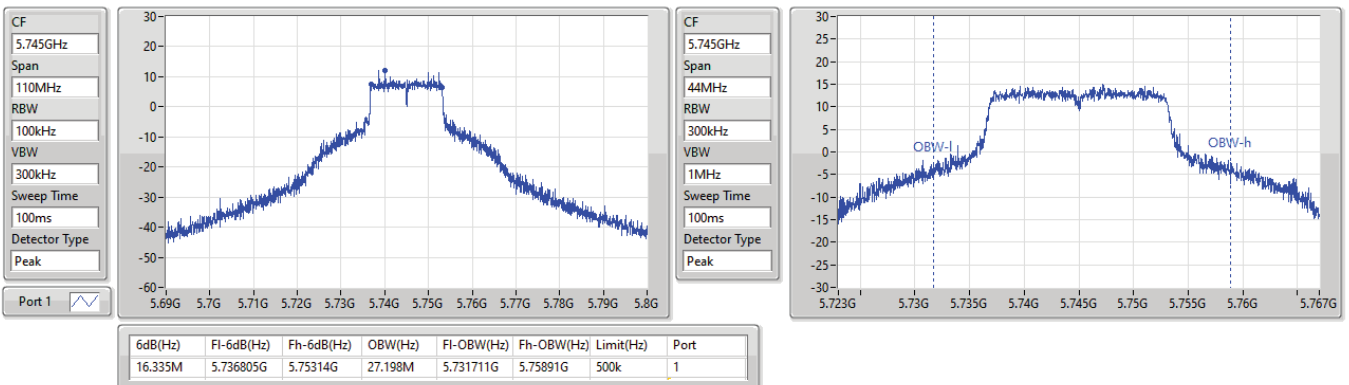


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5745MHz

03/03/2023



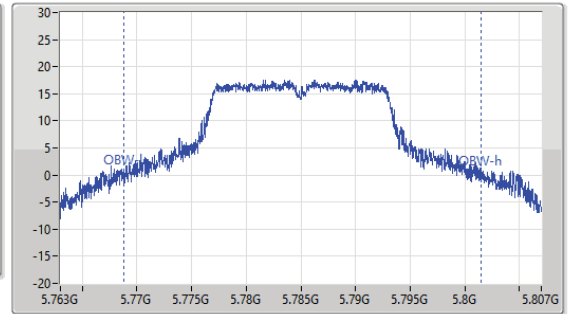
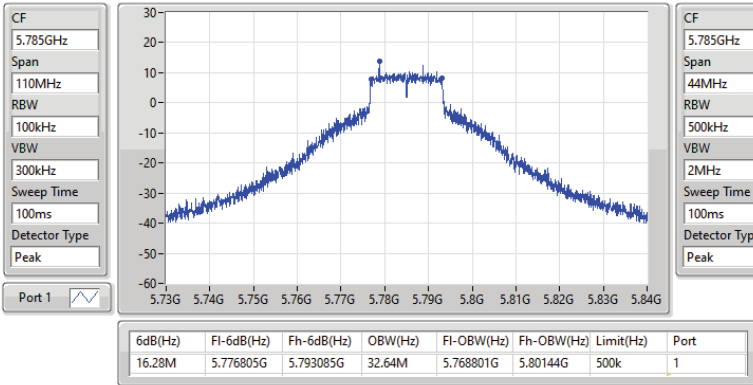


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5785MHz

03/03/2023

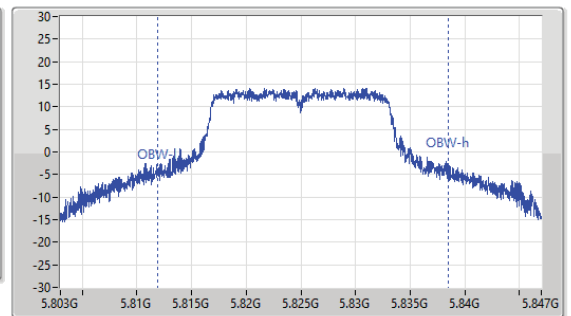
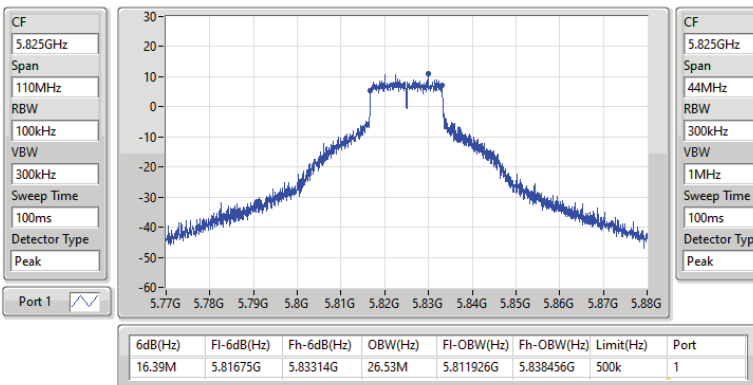


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_1TX

EBW

5825MHz

03/03/2023



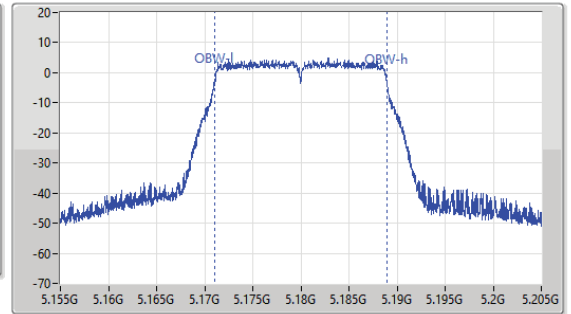
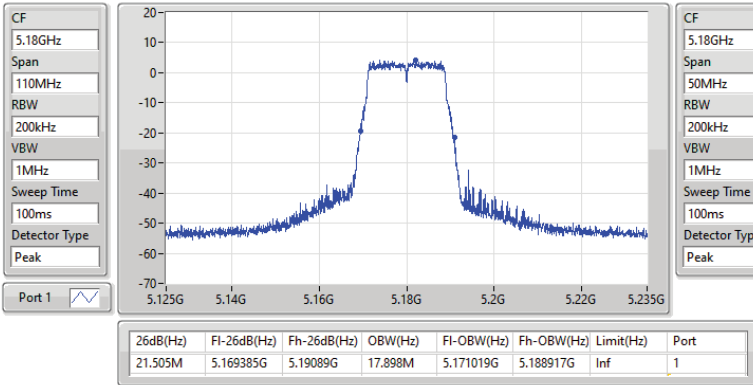


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5180MHz

04/03/2023

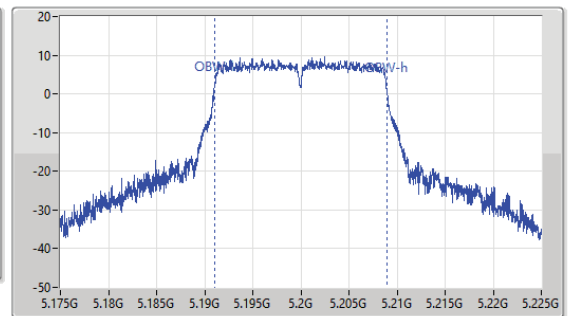
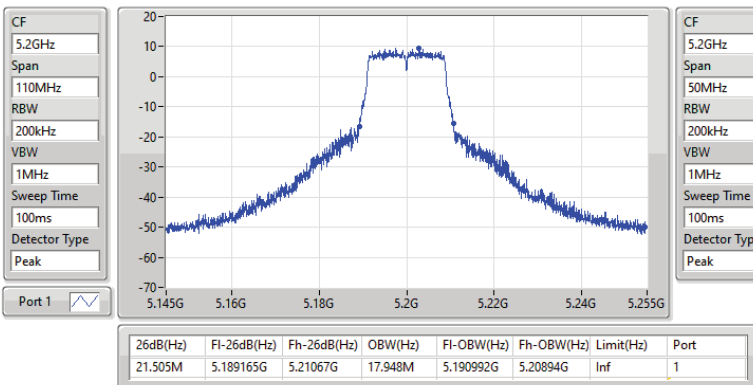


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5200MHz

04/03/2023

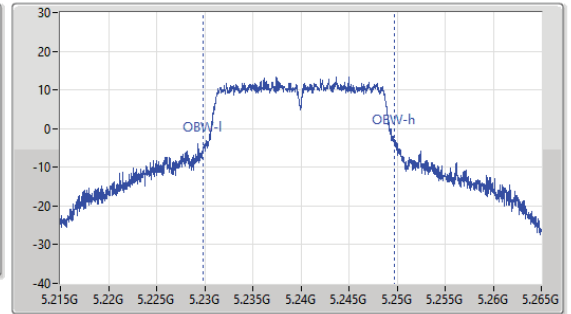
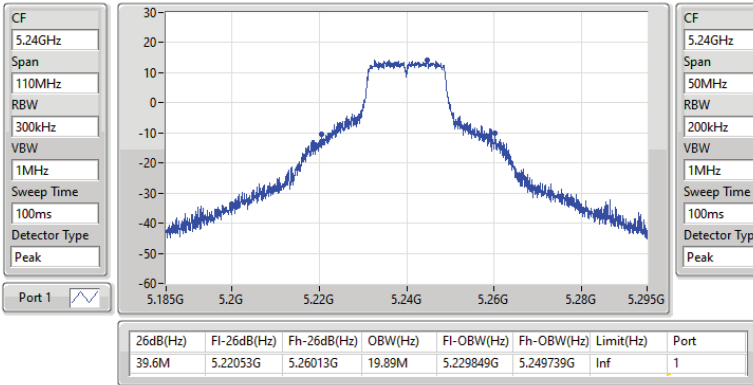


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5240MHz

04/03/2023

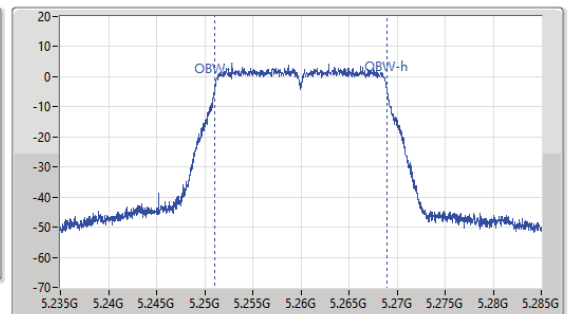
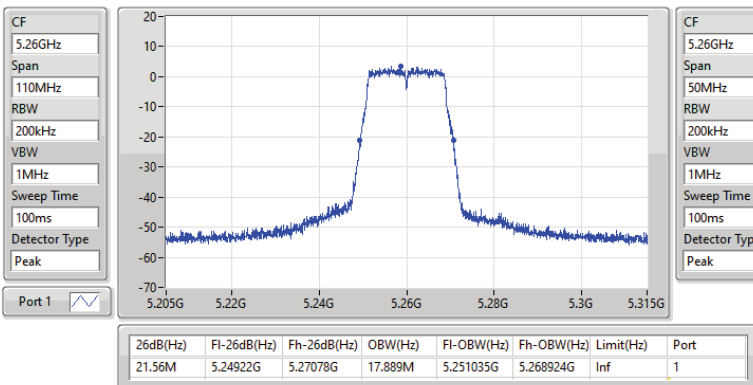


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5260MHz

04/03/2023

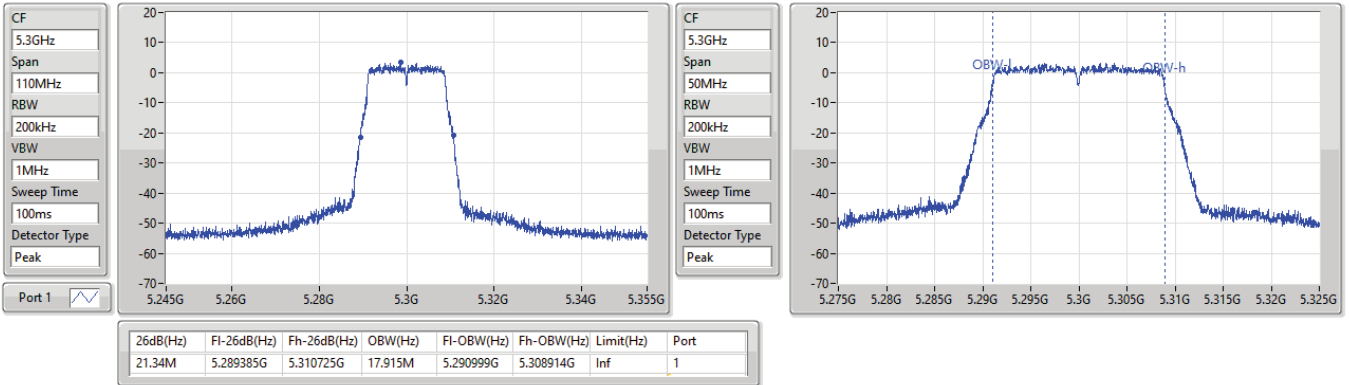


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5300MHz

04/03/2023

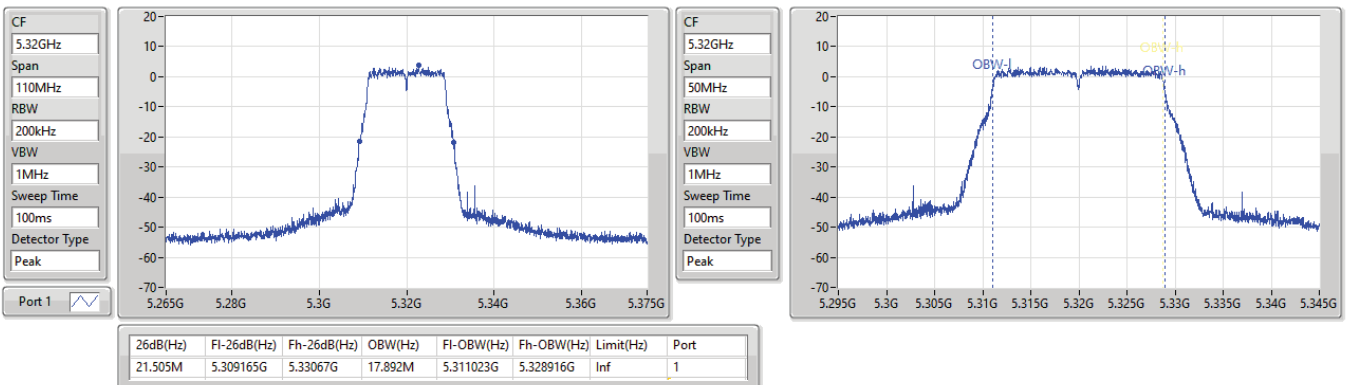


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_1TX

EBW

5320MHz

04/03/2023

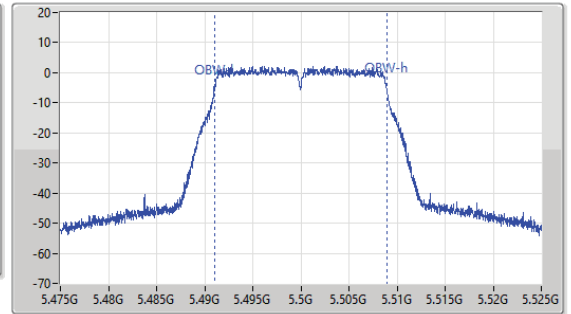
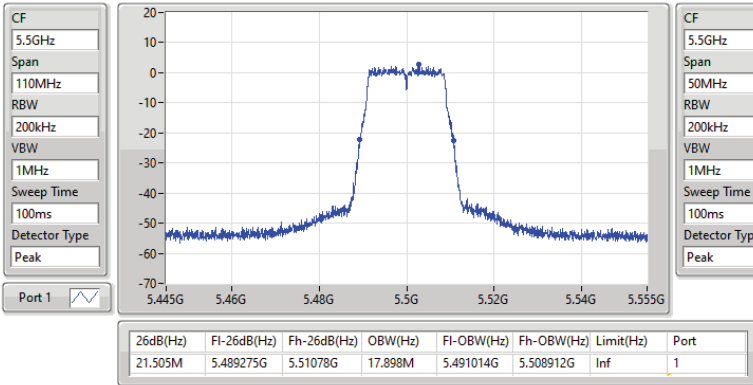


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5500MHz

04/03/2023

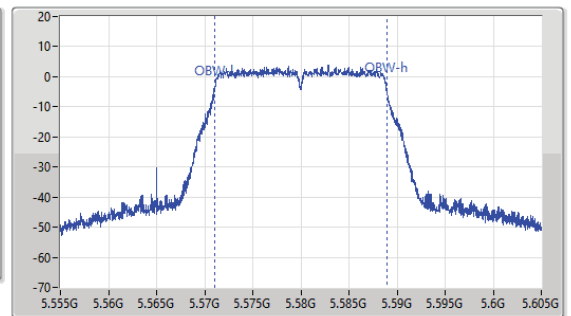
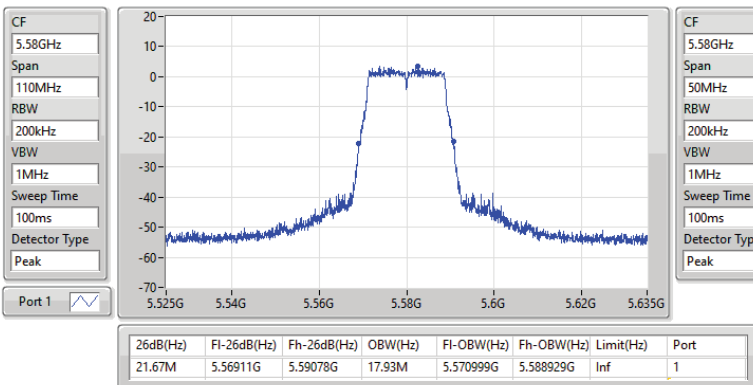


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5580MHz

04/03/2023



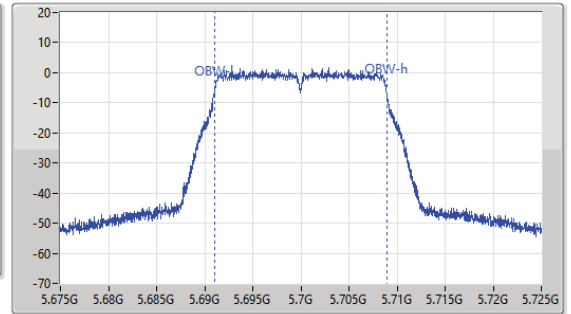
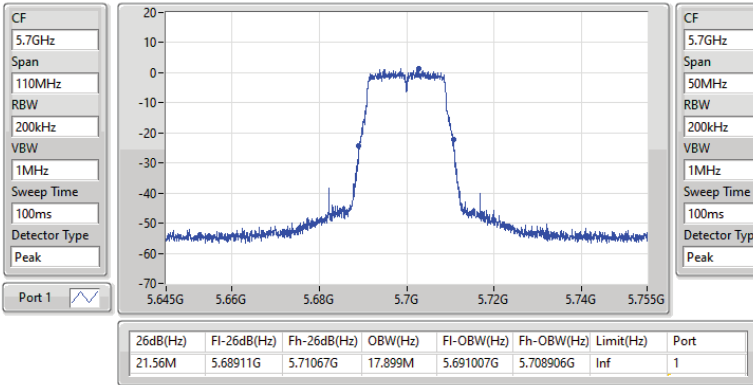


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5700MHz

04/03/2023

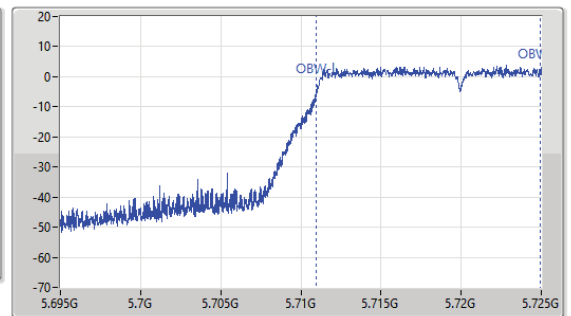
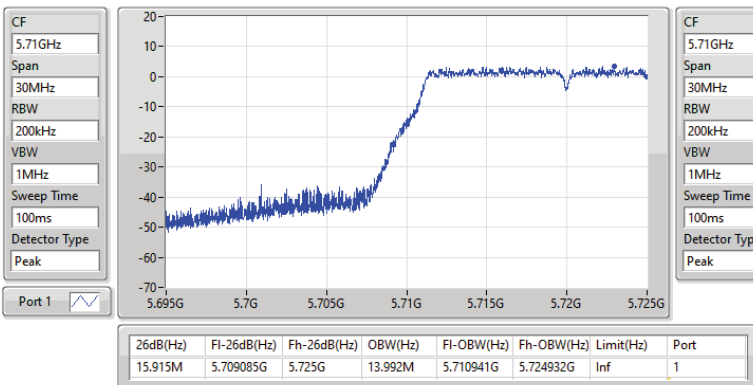


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/03/2023

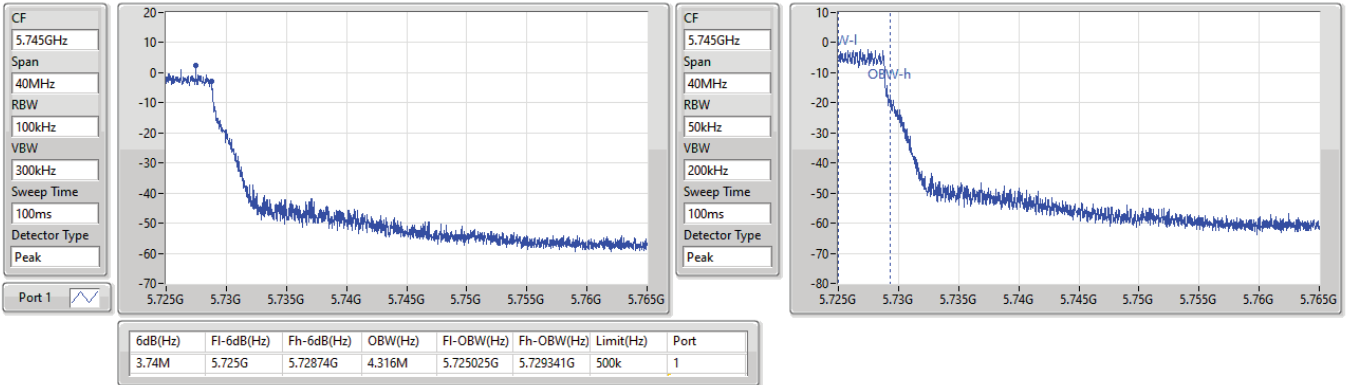


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/03/2023

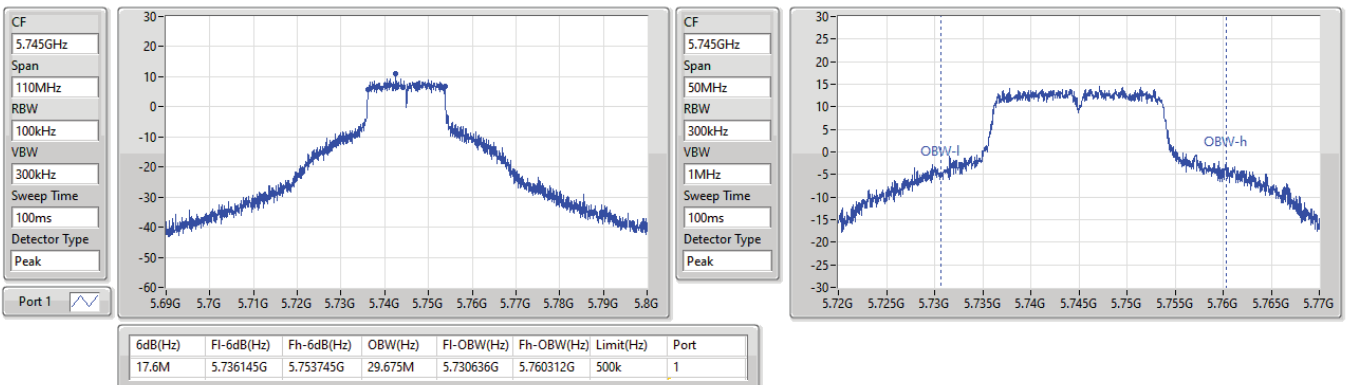


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5745MHz

04/03/2023

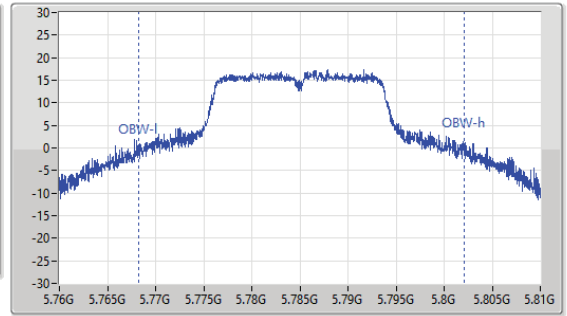
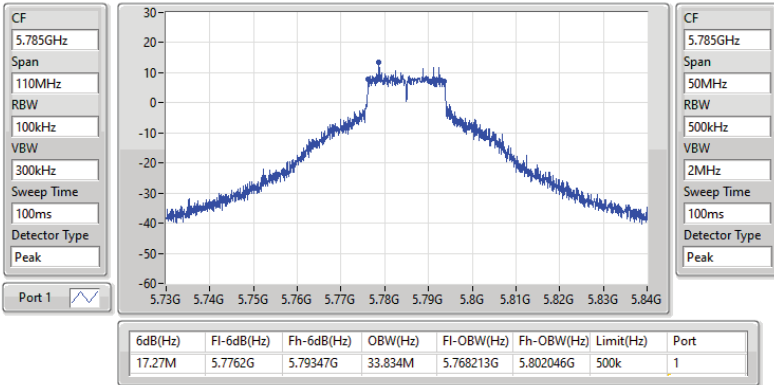


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5785MHz

04/03/2023

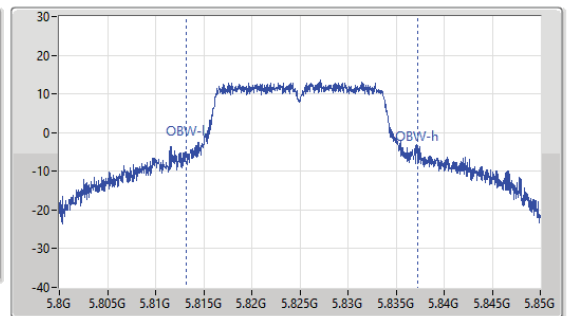
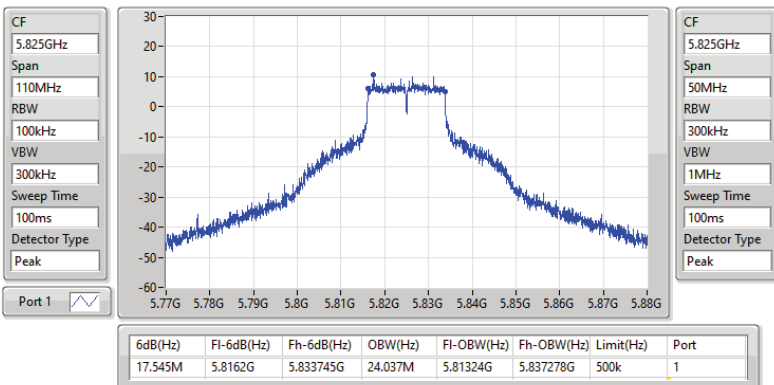


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_1TX

EBW

5825MHz

04/03/2023



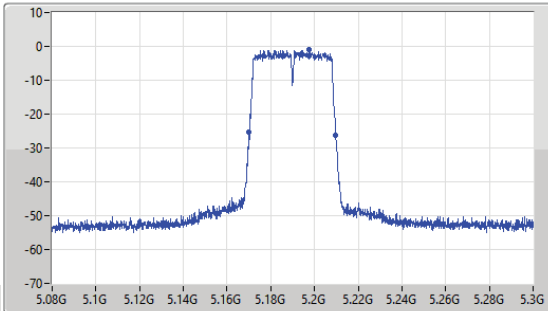
5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_1TX

EBW

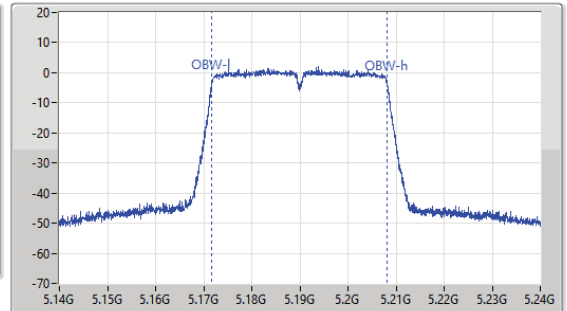
5190MHz

04/03/2023

CF
5.19GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.17009G	5.2098G	36.409M	5.171756G	5.208165G	Inf	1

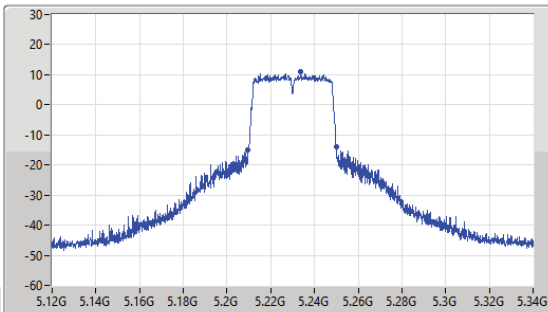
5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_1TX

EBW

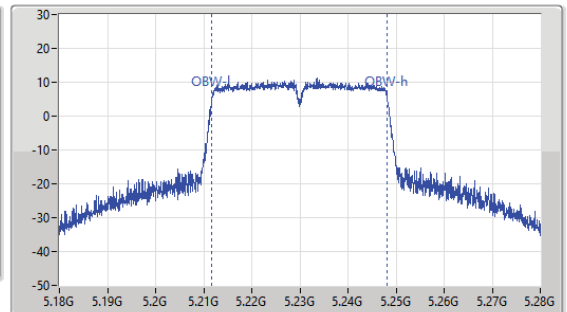
5230MHz

04/03/2023

CF
5.23GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	5.20965G	5.25002G	36.541M	5.211695G	5.248236G	Inf	1

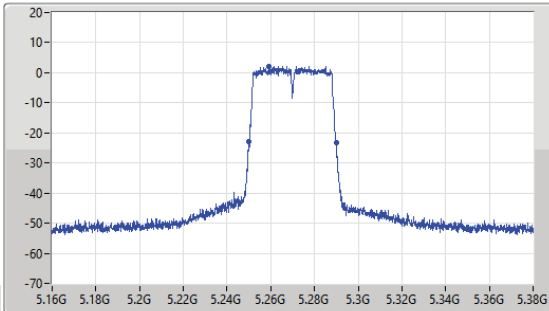
5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_1TX

EBW

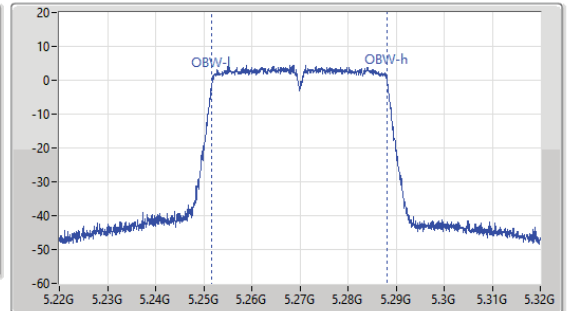
5270MHz

04/03/2023

CF
5.27GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.93M	5.24998G	5.28991G	36.449M	5.251723G	5.288172G	Inf	1

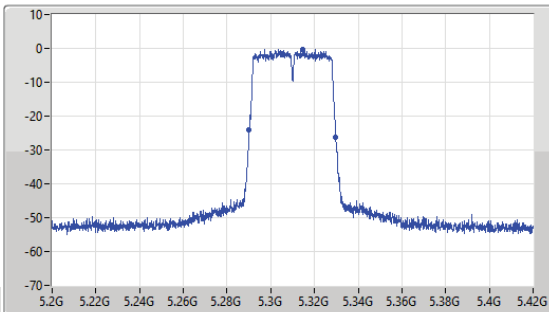
5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_1TX

EBW

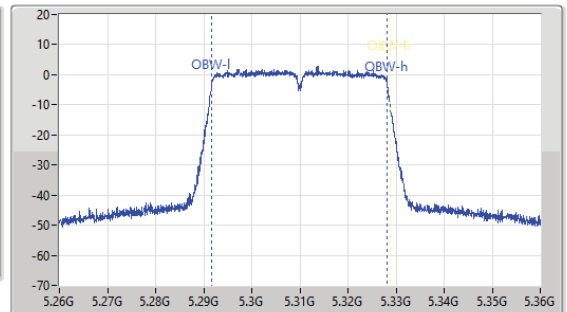
5310MHz

04/03/2023

CF
5.31GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.29009G	5.32969G	36.421M	5.291717G	5.328138G	Inf	1

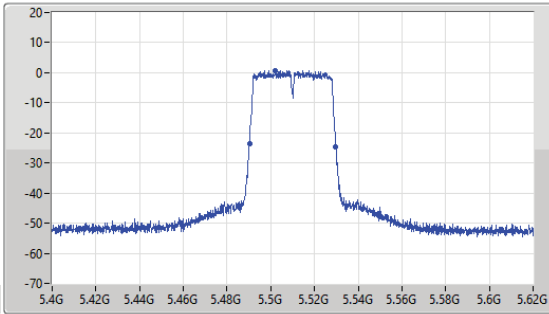
5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

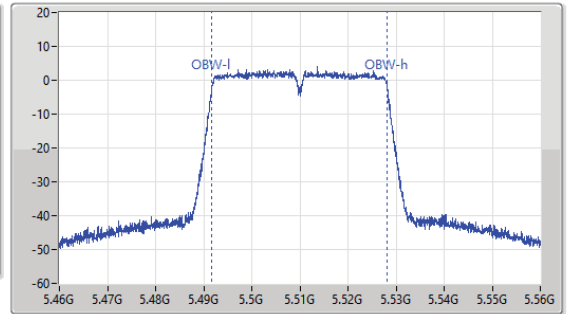
5510MHz

04/03/2023

CF
5.51GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.4902G	5.5298G	36.396M	5.491754G	5.52815G	Inf	1

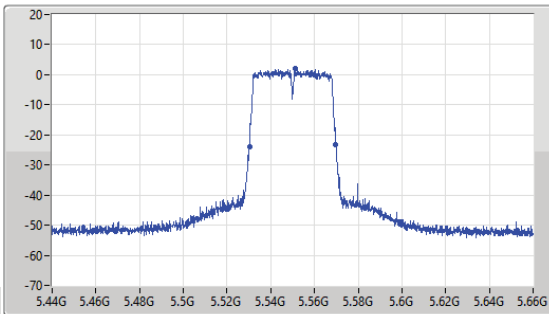
5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

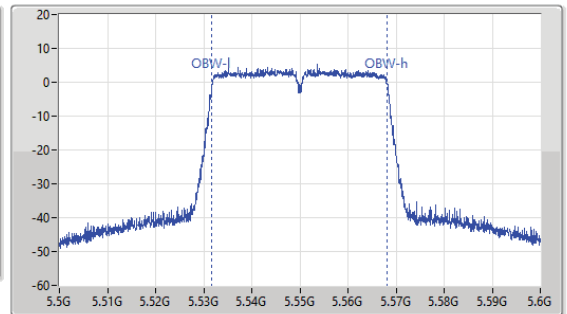
5550MHz

04/03/2023

CF
5.55GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



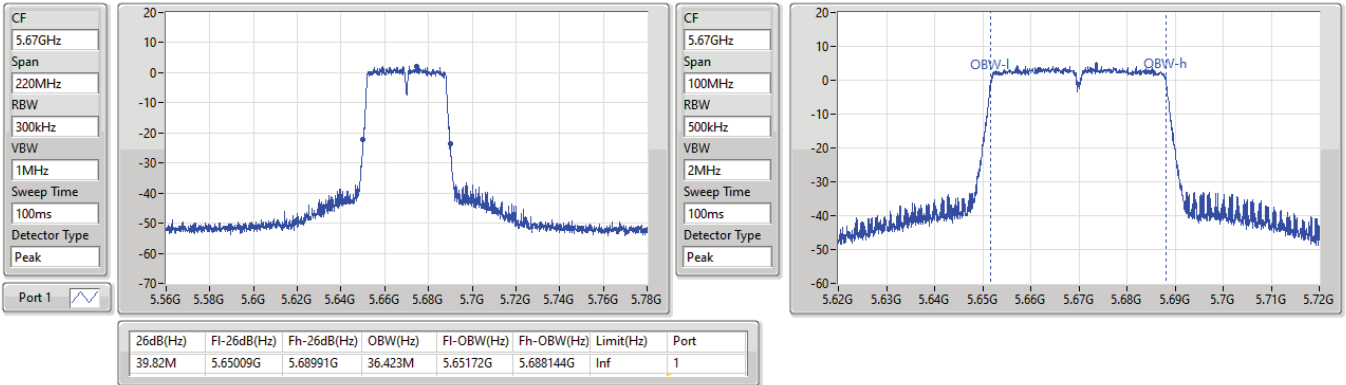
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.5302G	5.5698G	36.423M	5.531757G	5.56818G	Inf	1

5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

5670MHz

04/03/2023

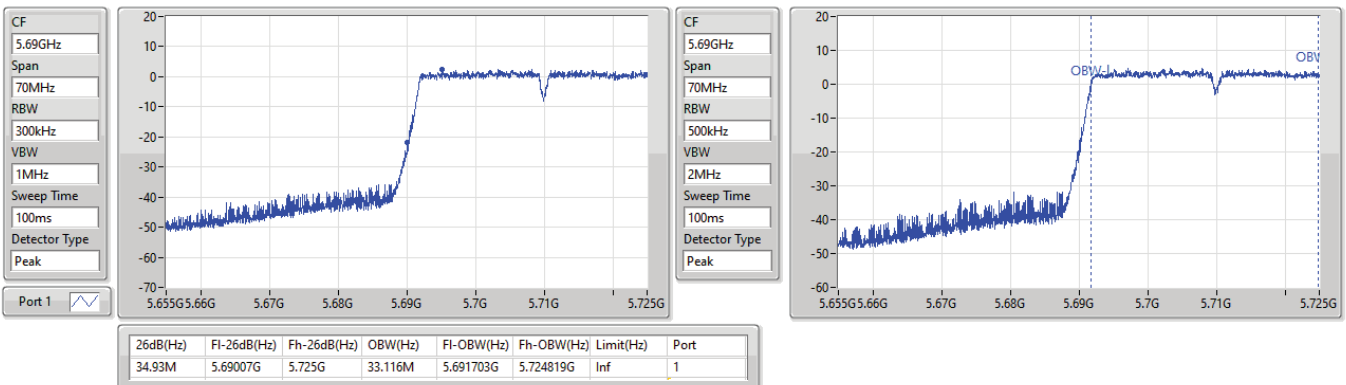


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

04/03/2023



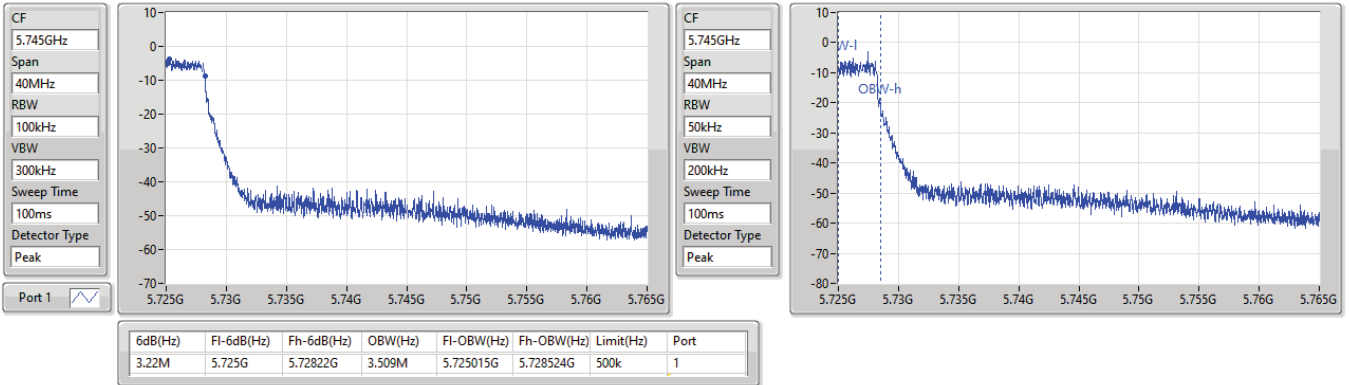


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/03/2023

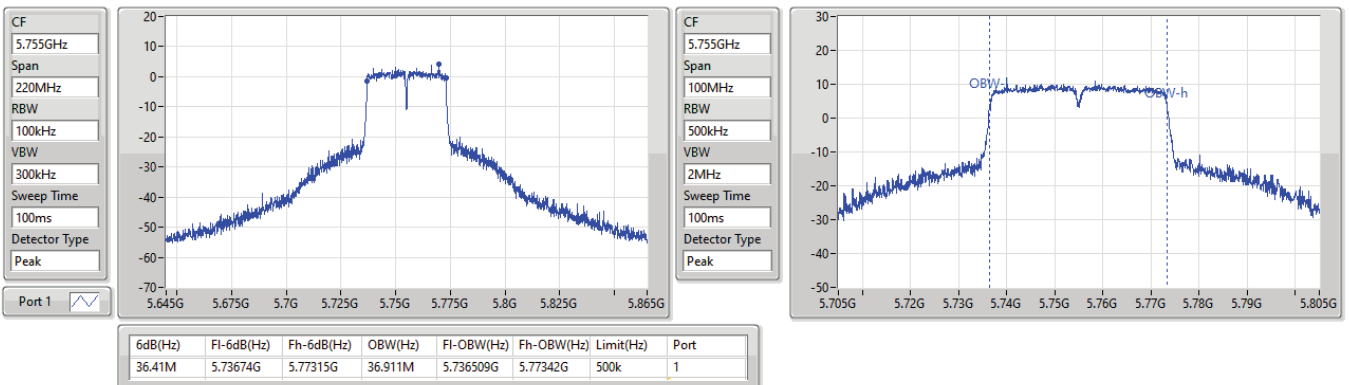


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

5755MHz

04/03/2023





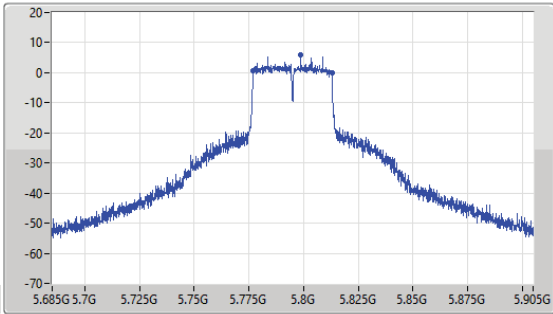
5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_1TX

EBW

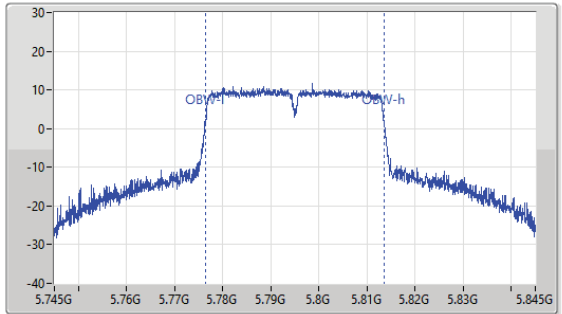
5795MHz

04/03/2023

CF
5.795GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	37.275M	5.776338G	5.813613G	500k	1

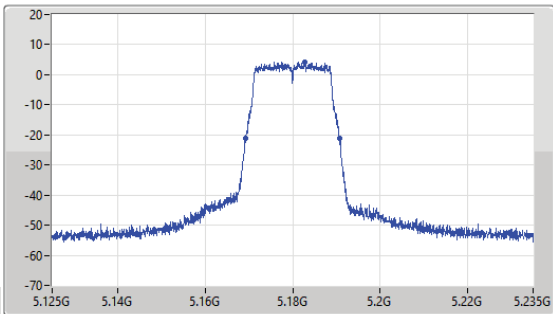
5.15-5.25GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

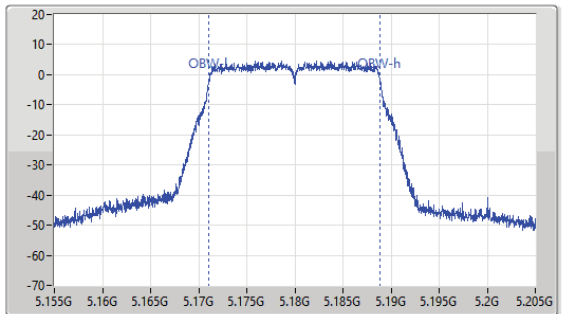
5180MHz

04/03/2023

CF
5.18GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.18GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.505M	5.16933G	5.190835G	17.843M	5.171047G	5.18889G	Inf	1



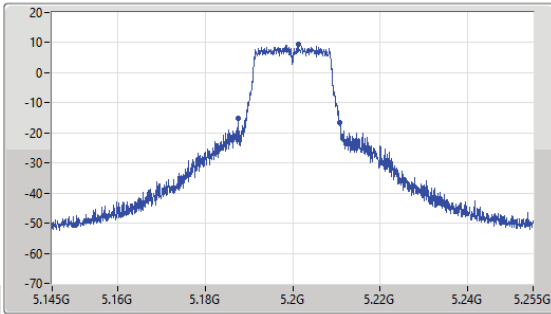
5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

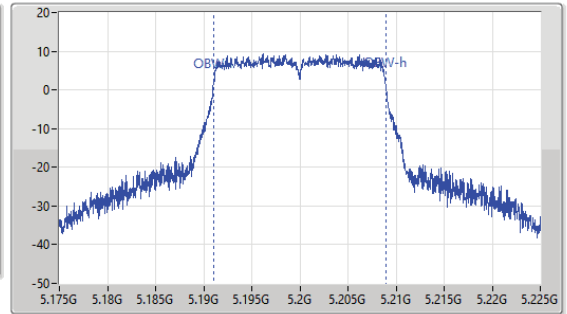
5200MHz

04/03/2023

CF
5.2GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.375M	5.18746G	5.210835G	17.897M	5.191015G	5.208912G	Inf	1

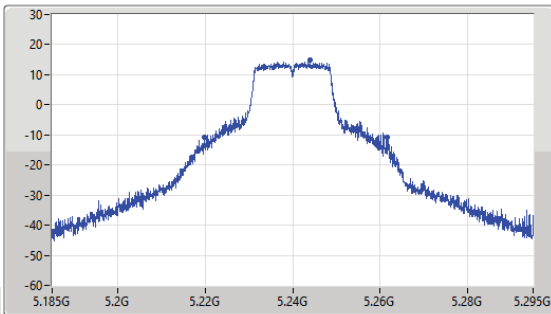
5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

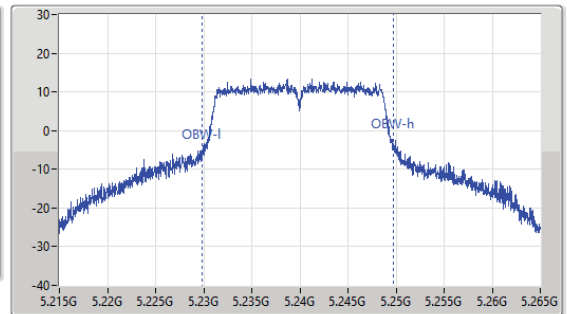
5240MHz

04/03/2023

CF
5.24GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.635M	5.219925G	5.26156G	19.836M	5.229854G	5.249691G	Inf	1

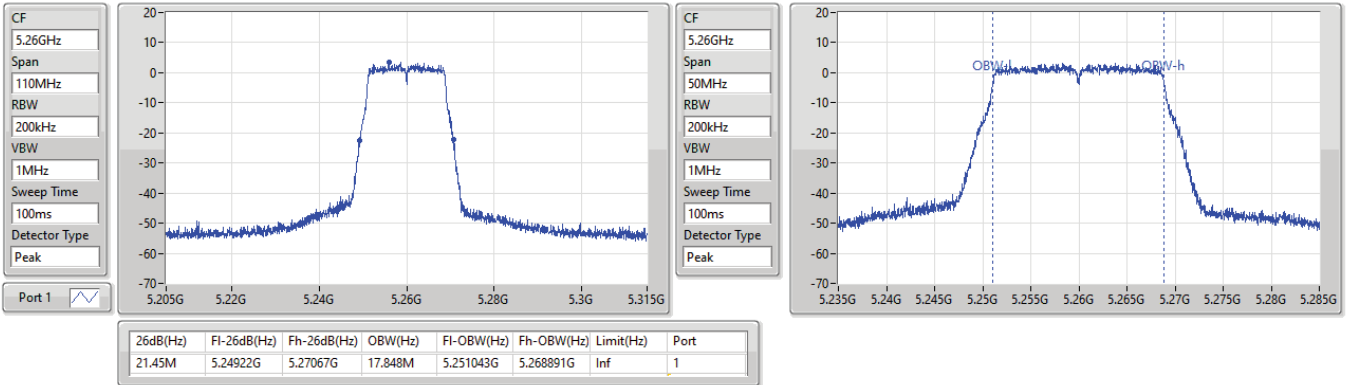


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

5260MHz

04/03/2023

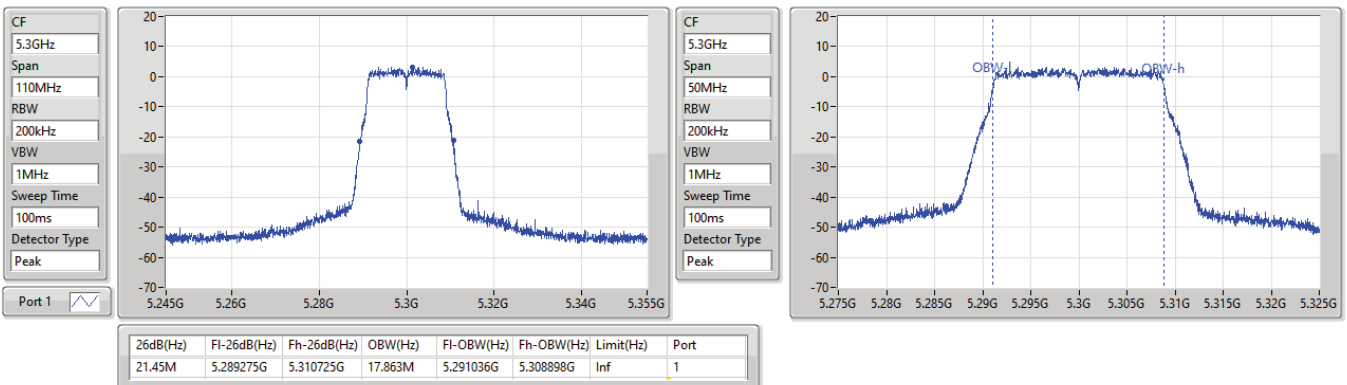


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

5300MHz

04/03/2023



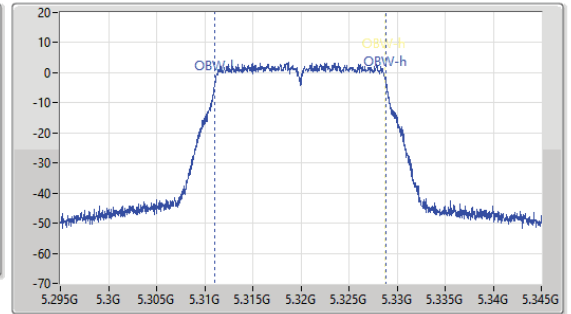
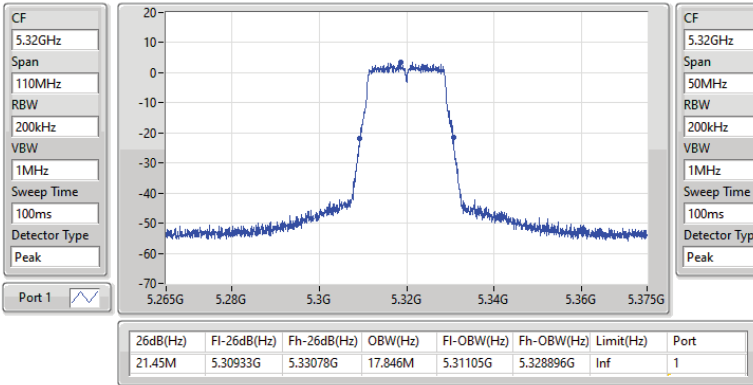


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

5320MHz

04/03/2023

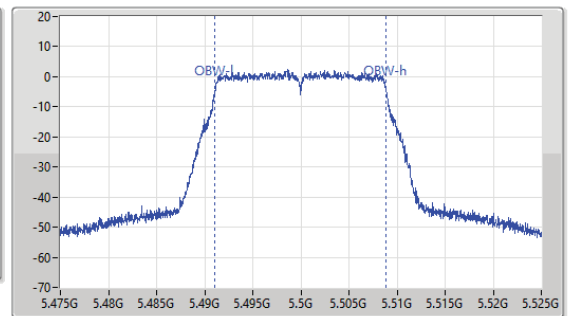
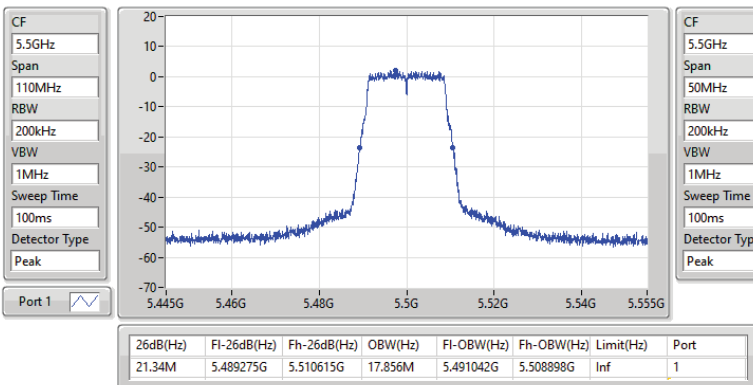


5.47-5.725GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

5500MHz

04/03/2023



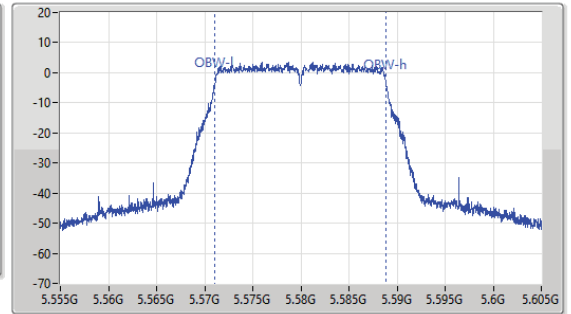
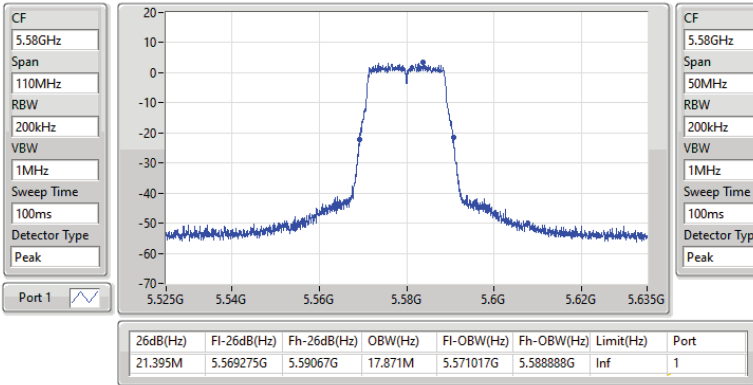


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5580MHz

04/03/2023

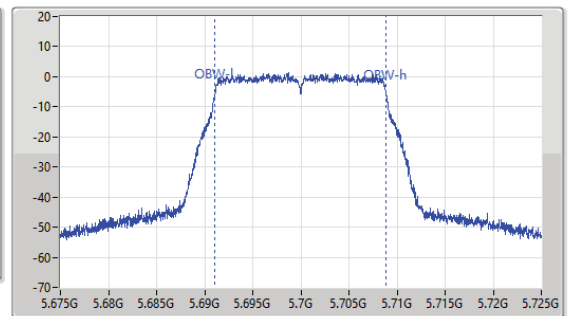
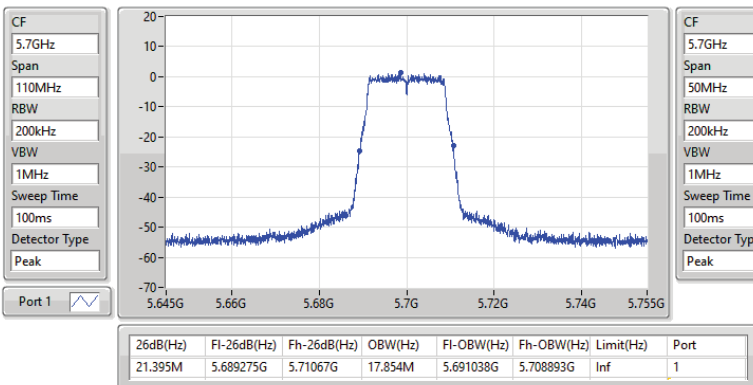


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5700MHz

04/03/2023



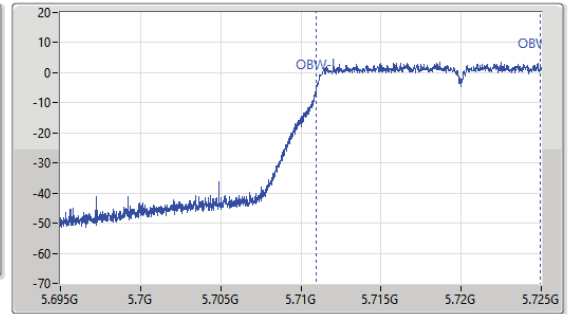
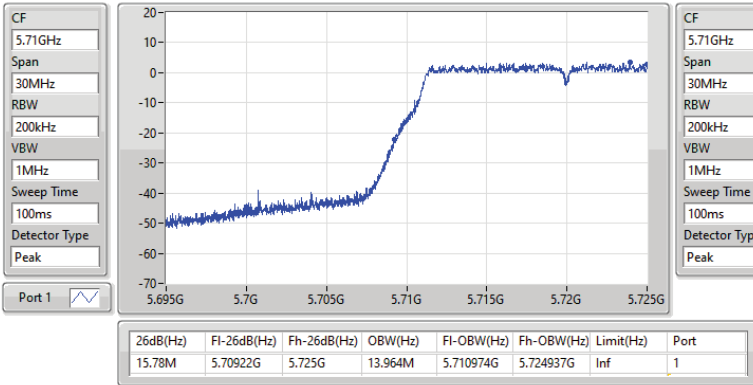


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

04/03/2023

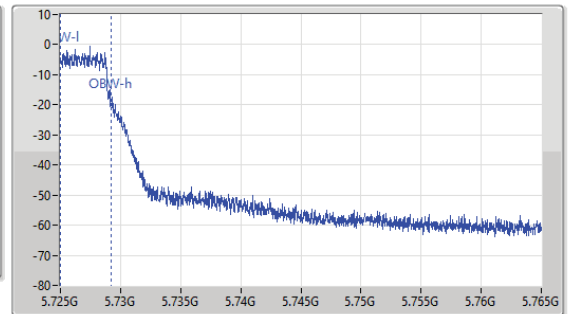
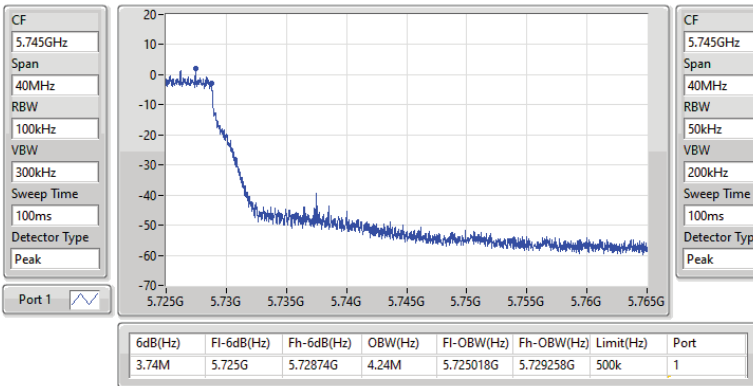


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

04/03/2023

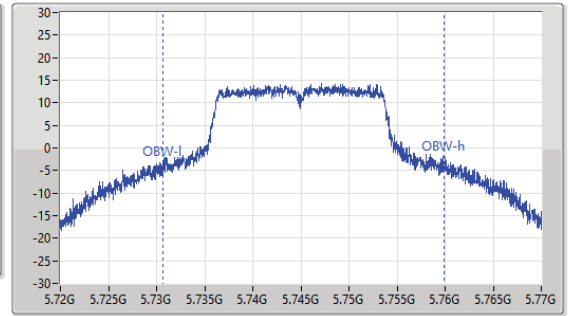
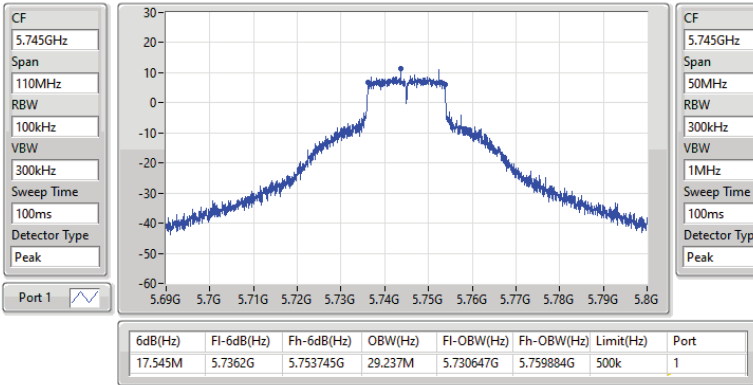


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5745MHz

04/03/2023

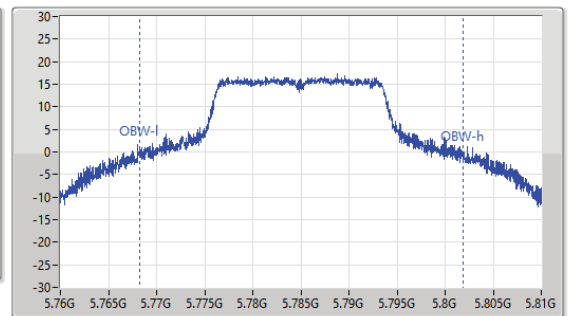
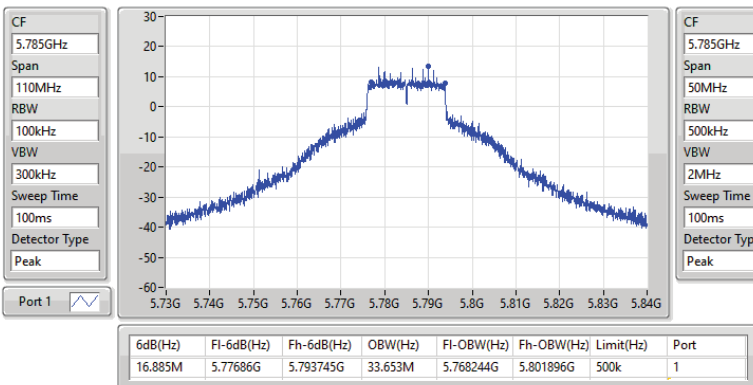


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_1TX

EBW

5785MHz

04/03/2023

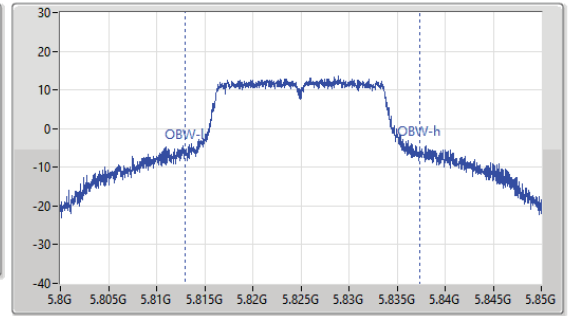
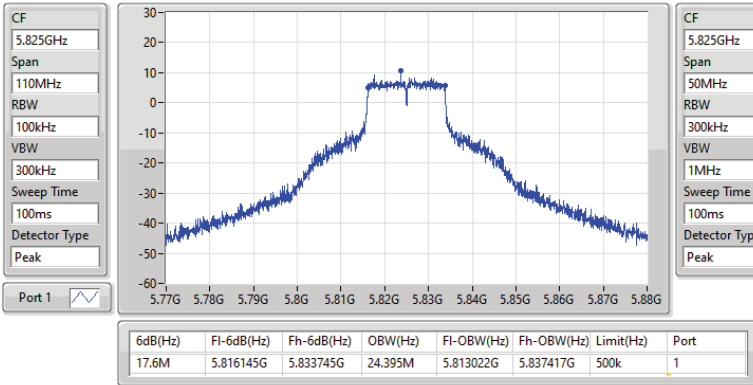


5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_1TX

EBW

5825MHz

04/03/2023

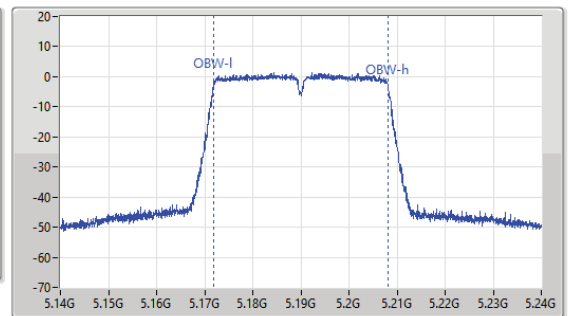
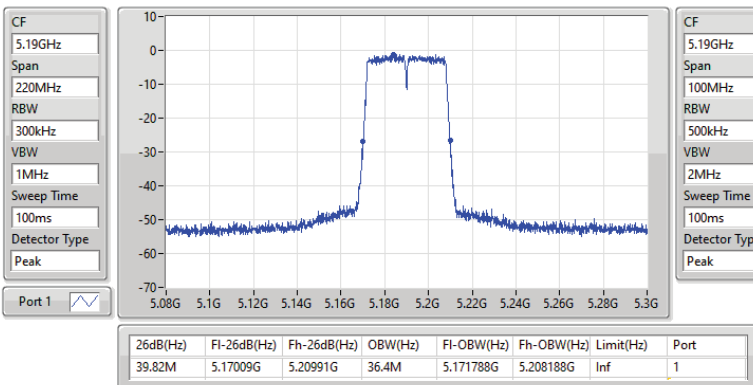


5.15-5.25GHz_802.11ac_VHT40_Nss1,(MCS0)_1TX

EBW

5190MHz

04/03/2023

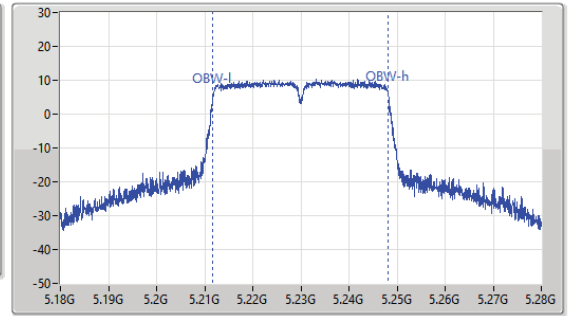
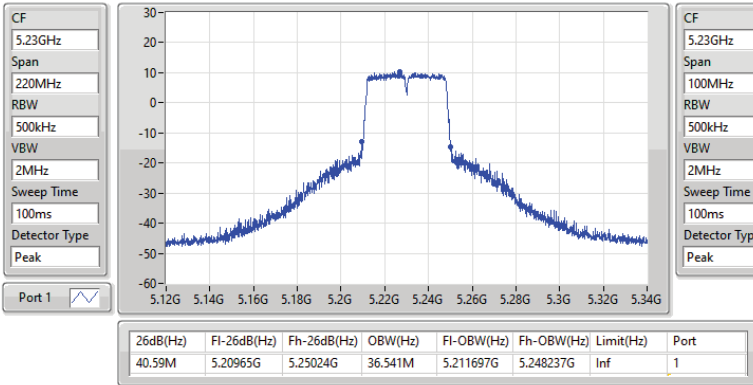


5.15-5.25GHz_802.11ac_VHT40_Nss1,(MCS0)_1TX

EBW

5230MHz

04/03/2023

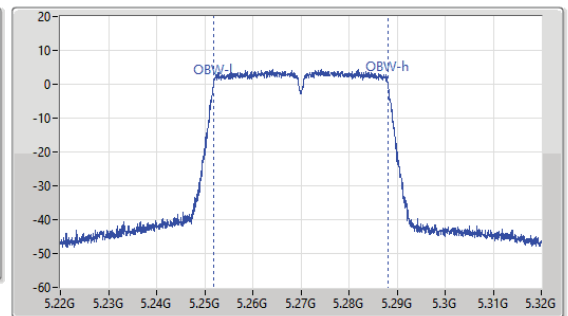
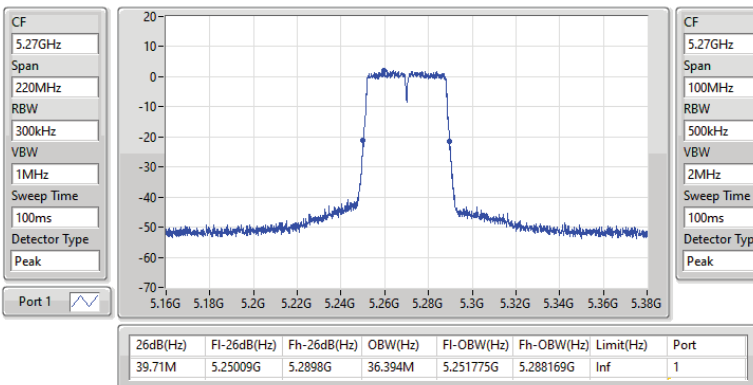


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_1TX

EBW

5270MHz

04/03/2023



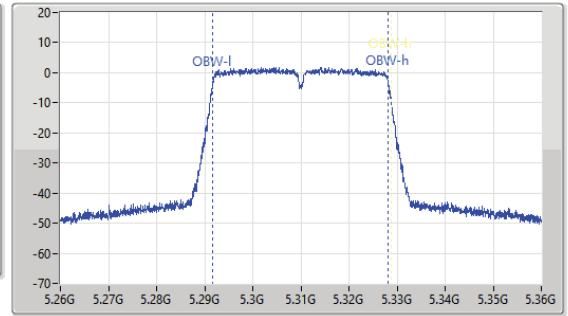
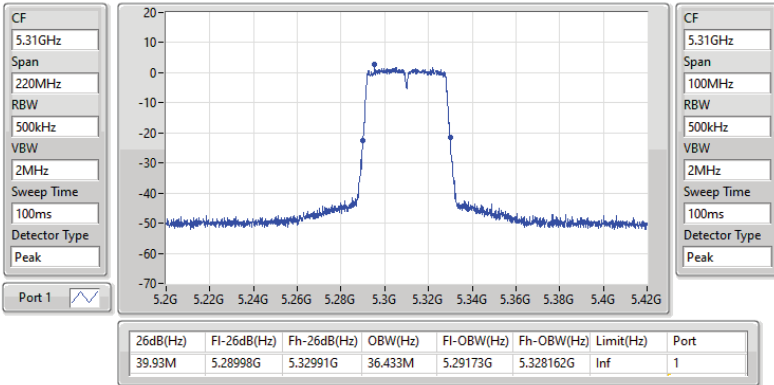


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_1TX

EBW

5310MHz

04/03/2023

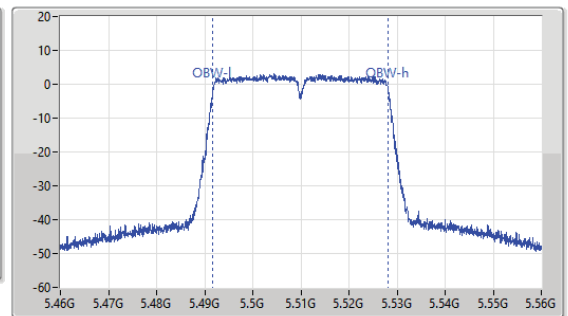
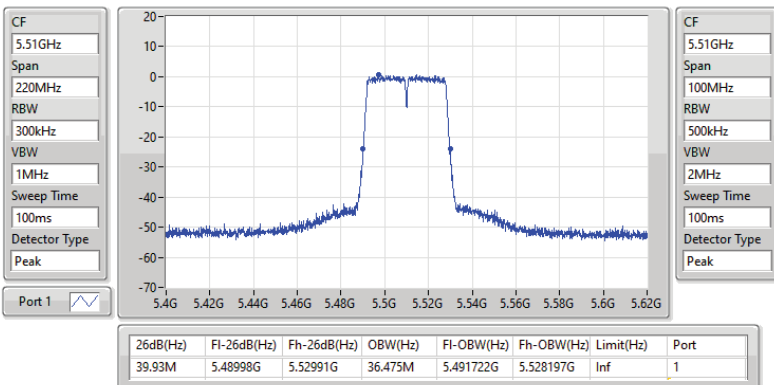


5.47-5.725GHz_802.11ac_VHT40_Nss1,(MCS0)_1TX

EBW

5510MHz

04/03/2023

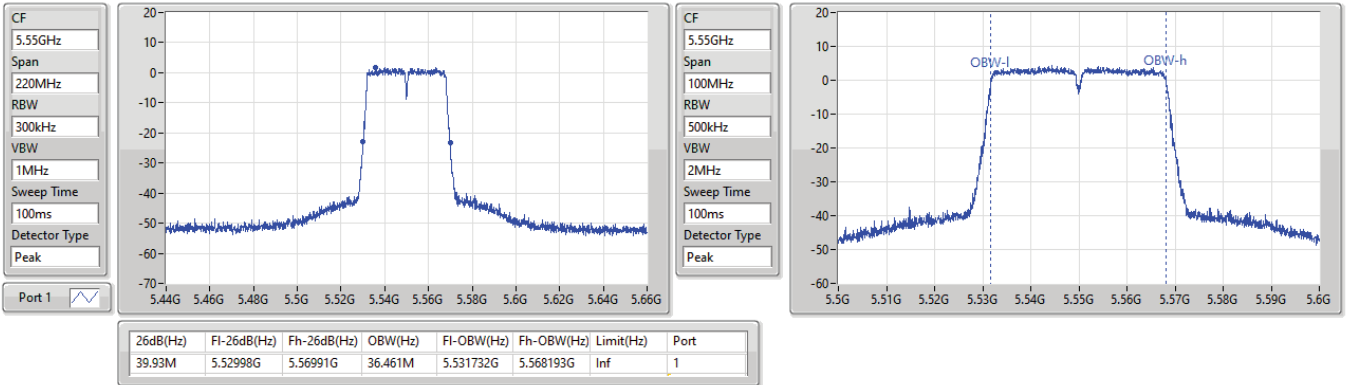


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5550MHz

04/03/2023

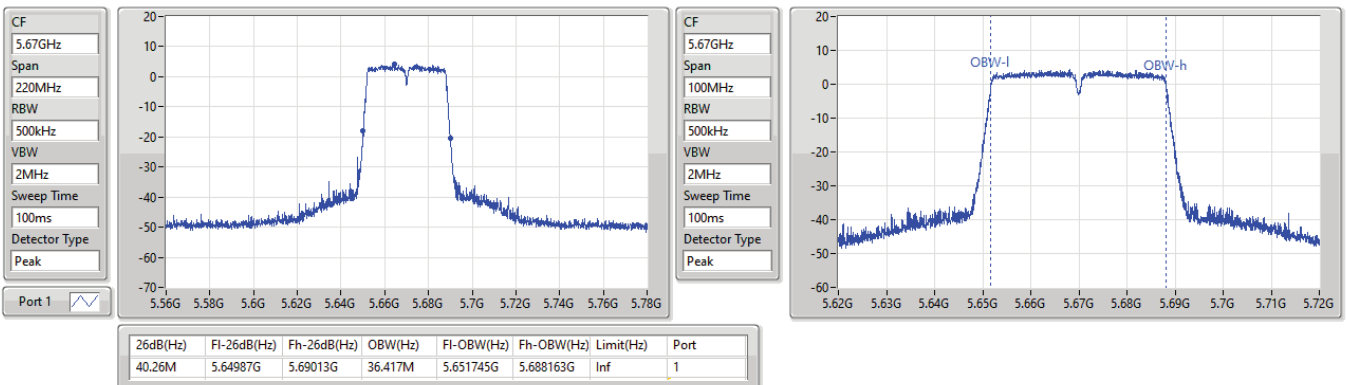


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5670MHz

04/03/2023

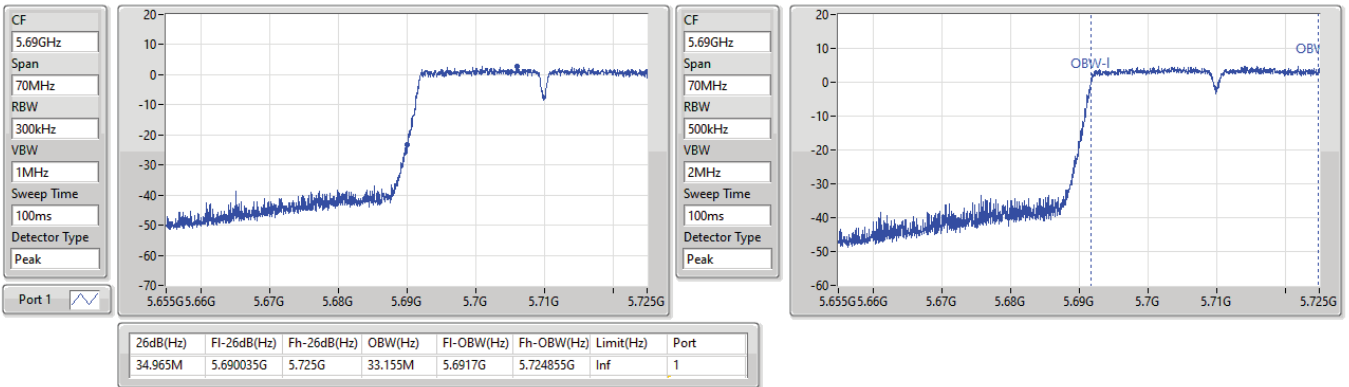


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

04/03/2023

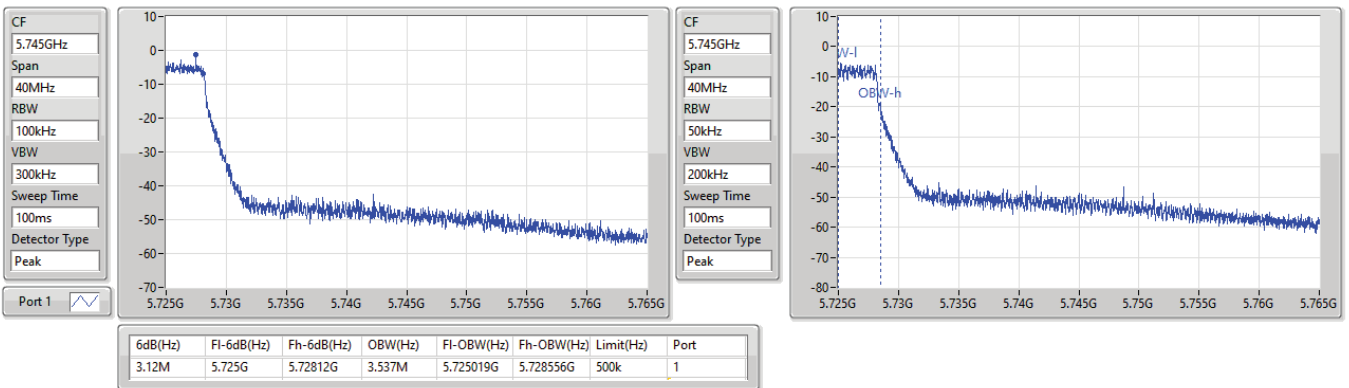


5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

04/03/2023



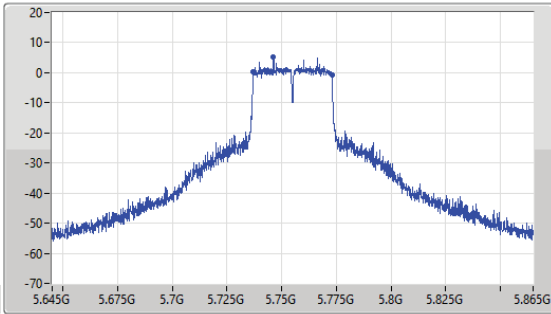
5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

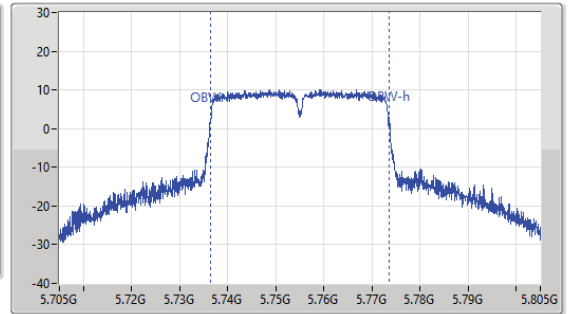
5755MHz

04/03/2023

CF
5.755GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.755GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.73685G	5.77315G	36.989M	5.736491G	5.77348G	500k	1

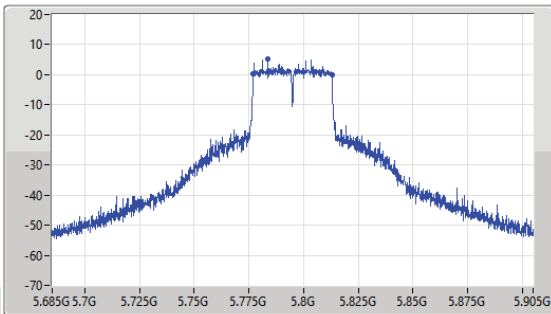
5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_1TX

EBW

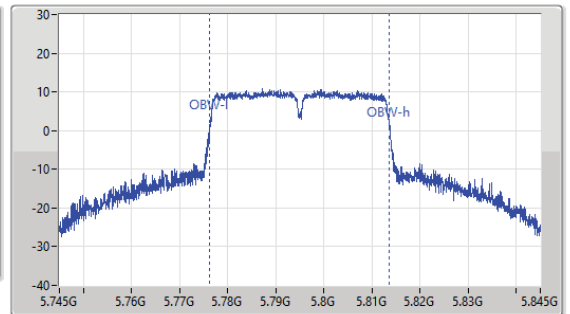
5795MHz

04/03/2023

CF
5.795GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



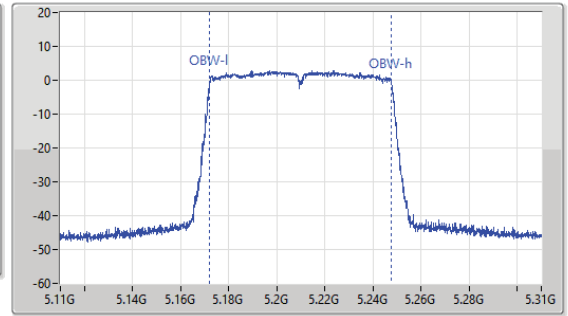
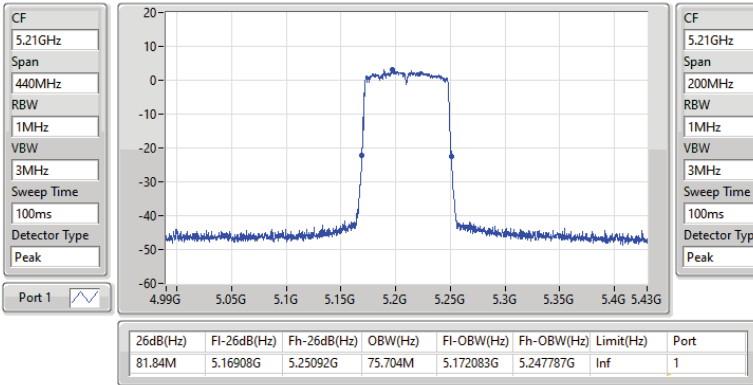
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	37.409M	5.776262G	5.813671G	500k	1

5.15-5.25GHz_802.11ac_VHT80_Nss1,(MCS0)_1TX

EBW

5210MHz

04/03/2023

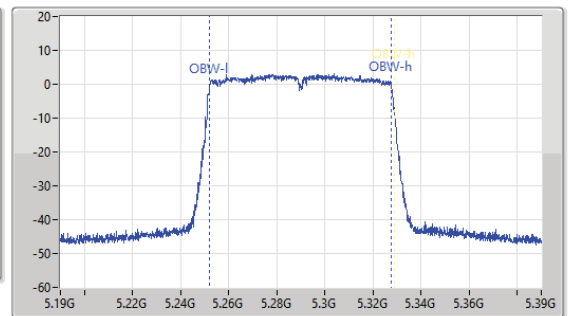
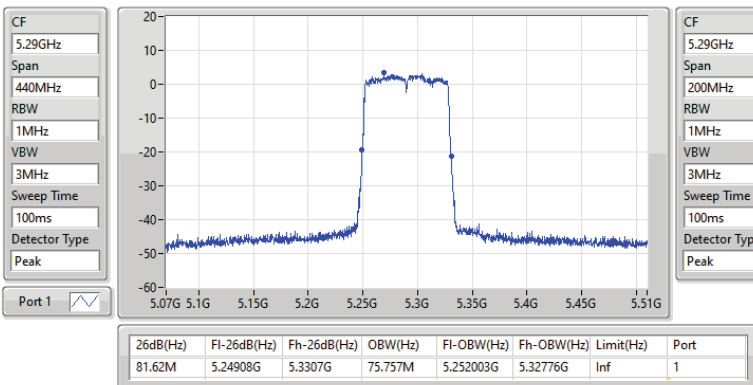


5.25-5.35GHz_802.11ac_VHT80_Nss1,(MCS0)_1TX

EBW

5290MHz

04/03/2023





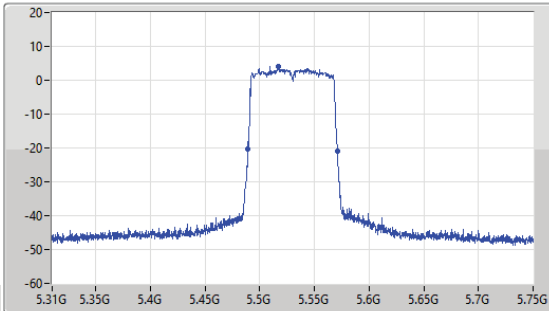
5.47-5.725GHz_802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

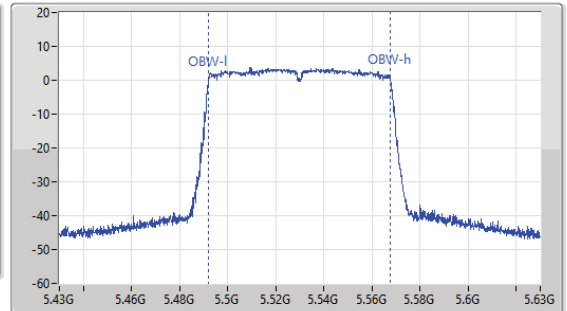
5530MHz

04/03/2023

CF
5.53GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.48886G	5.57092G	75.719M	5.492066G	5.567785G	Inf	1

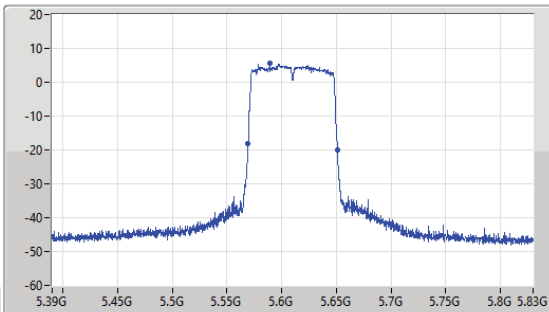
5.47-5.725GHz_802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

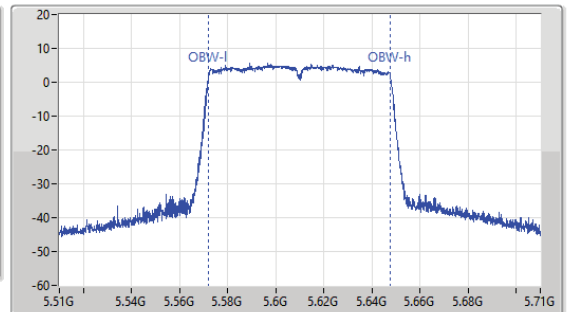
5610MHz

04/03/2023

CF
5.61GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



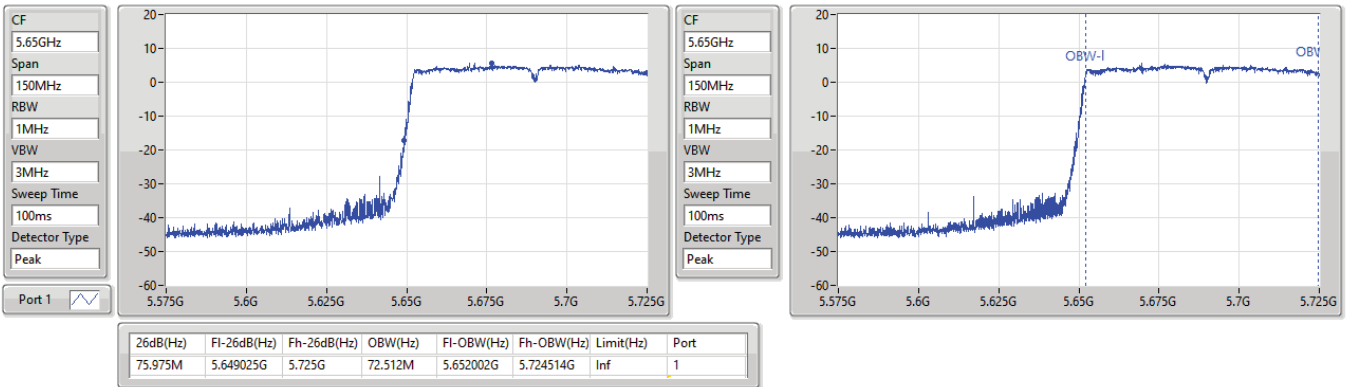
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.56886G	5.65092G	75.761M	5.572019G	5.64778G	Inf	1

5.47-5.725GHz_802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

04/03/2023

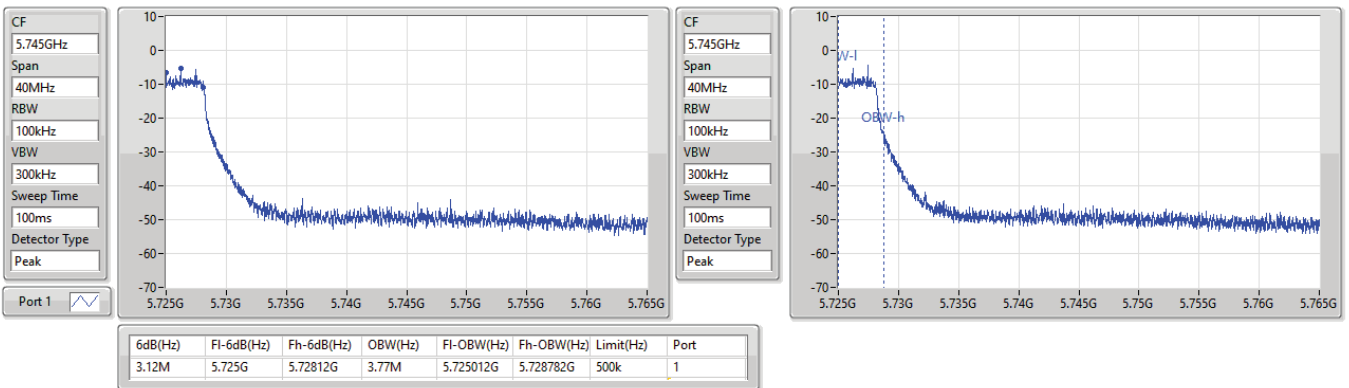


5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

04/03/2023



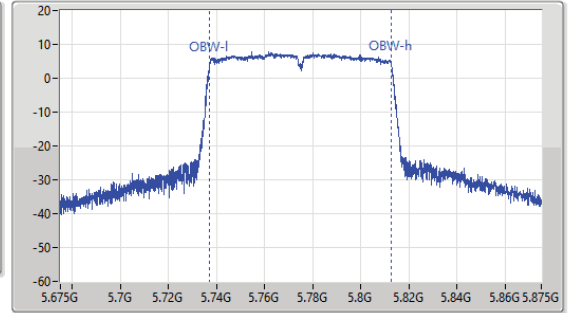
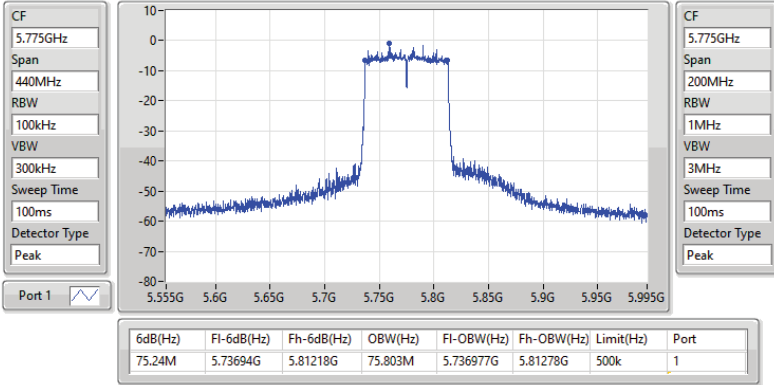


5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_1TX

EBW

5775MHz

04/03/2023

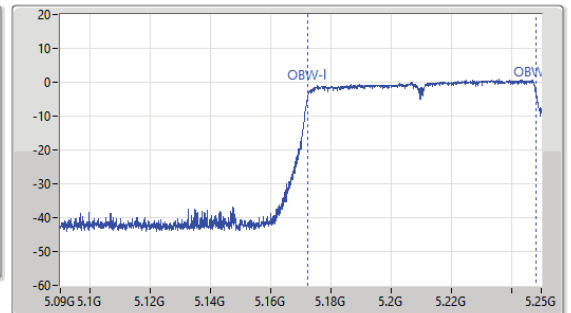
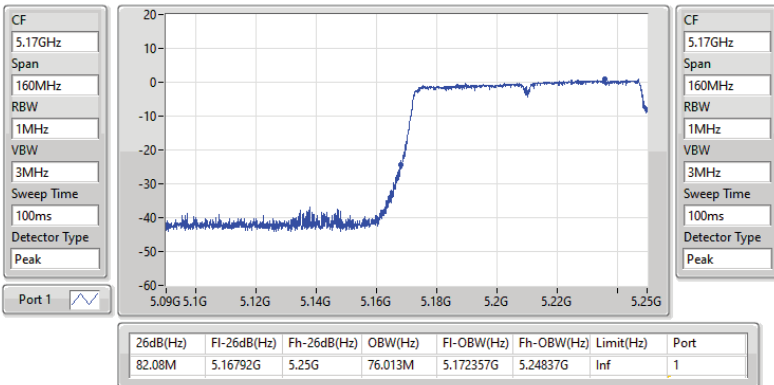


5.15-5.25GHz_802.11ac VHT160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

04/03/2023



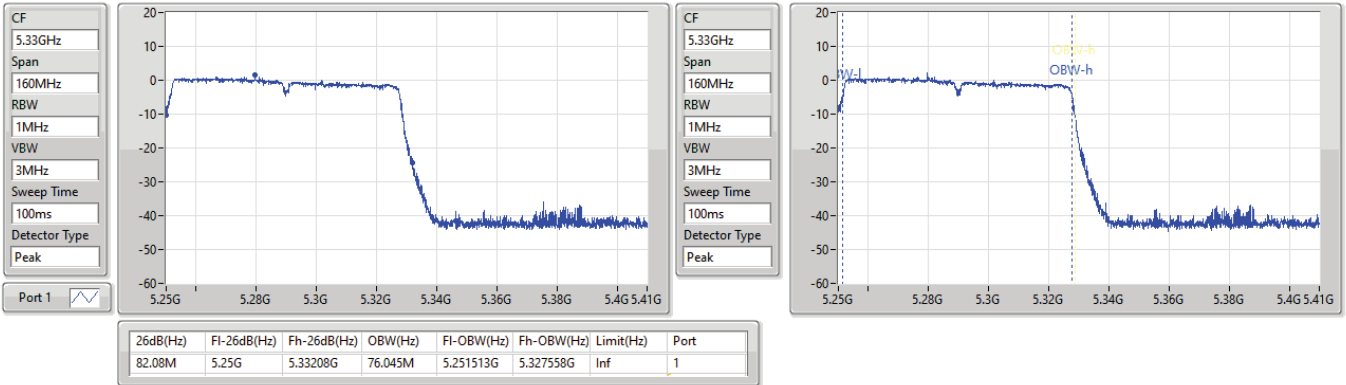


5.25-5.35GHz_802.11ac VHT160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

04/03/2023

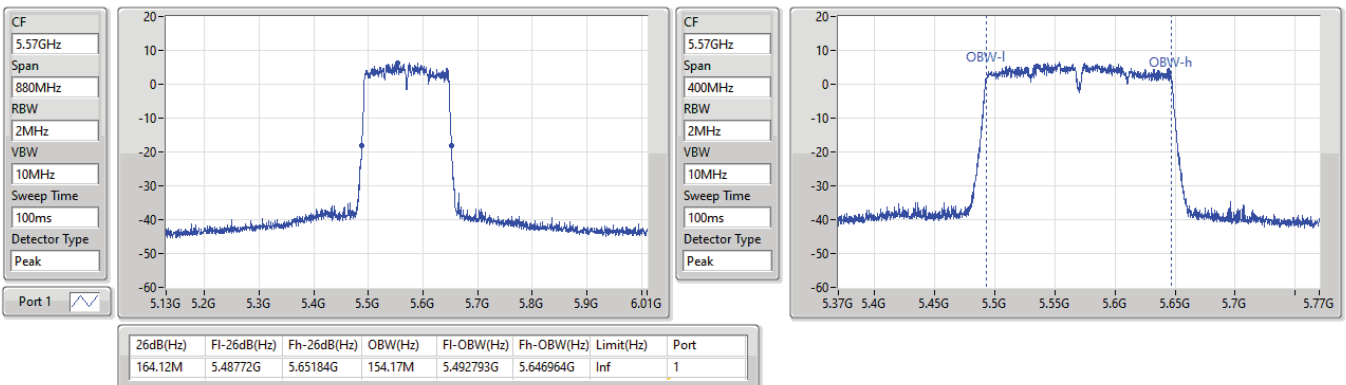


5.47-5.725GHz_802.11ac VHT160_Nss1,(MCS0)_1TX

EBW

5570MHz

04/03/2023





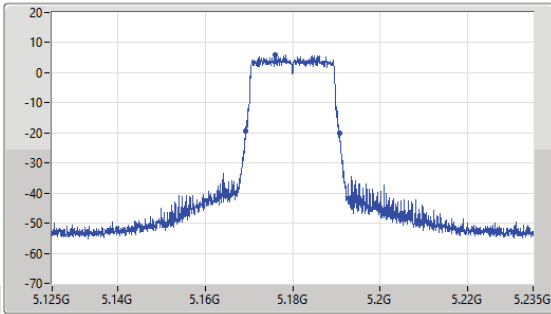
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

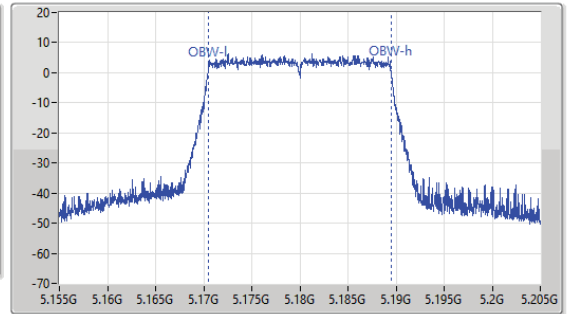
5180MHz

03/03/2023

CF
5.18GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.18GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.169275G	5.190725G	19.004M	5.170463G	5.189467G	Inf	1

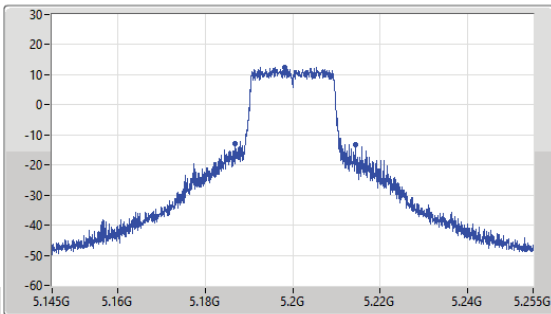
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_1TX

EBW

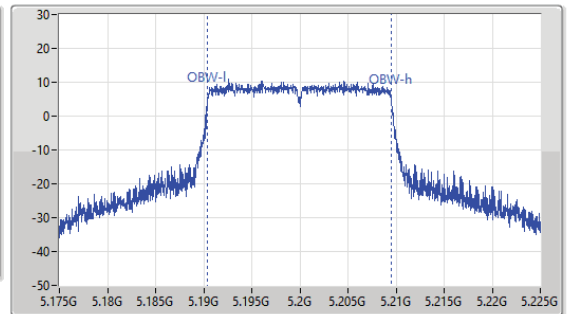
5200MHz

03/03/2023

CF
5.2GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



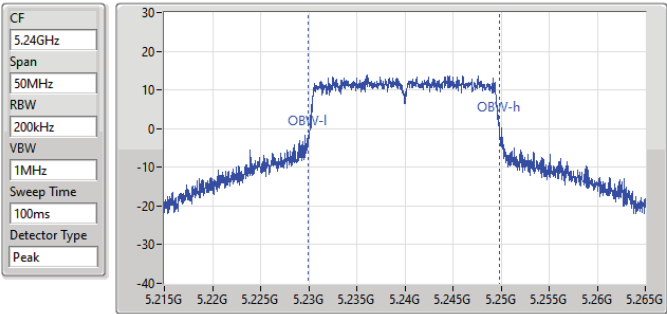
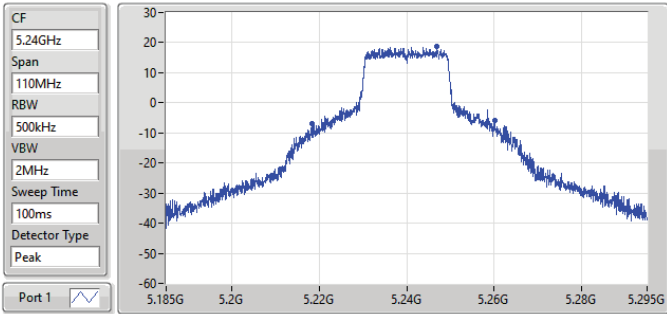
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.5M	5.1868G	5.2143G	19.054M	5.190435G	5.209489G	Inf	1

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

EBW

5240MHz

03/03/2023



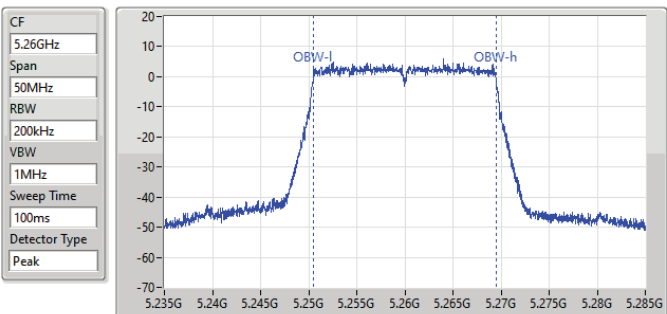
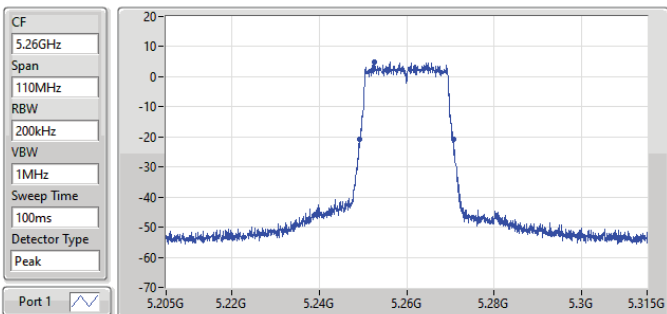
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.91M	5.218275G	5.260185G	19.867M	5.229925G	5.249792G	Inf	1

5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5260MHz

03/03/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.34M	5.24933G	5.27067G	18.997M	5.250471G	5.269467G	Inf	1

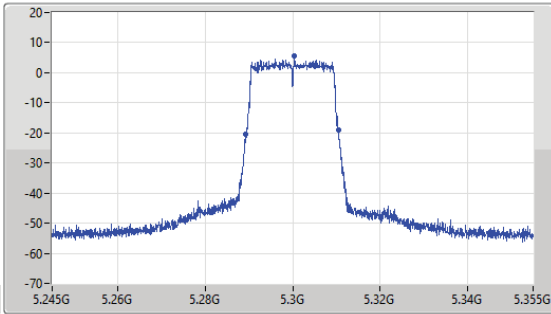
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

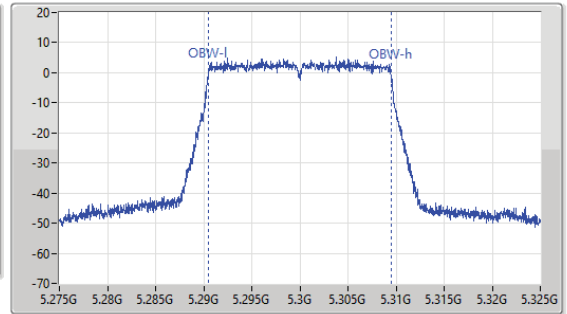
5300MHz

03/03/2023

CF
5.3GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	5.28933G	5.31056G	18.996M	5.290472G	5.309468G	Inf	1

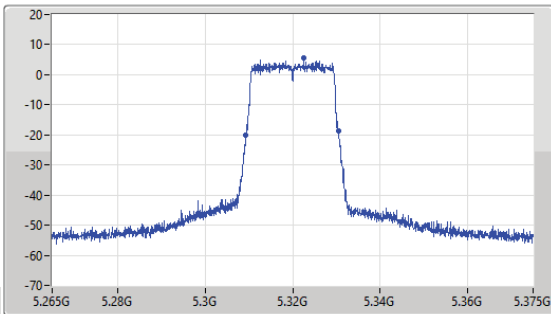
5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

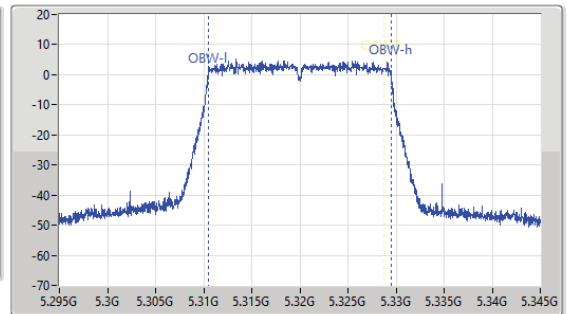
5320MHz

03/03/2023

CF
5.32GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



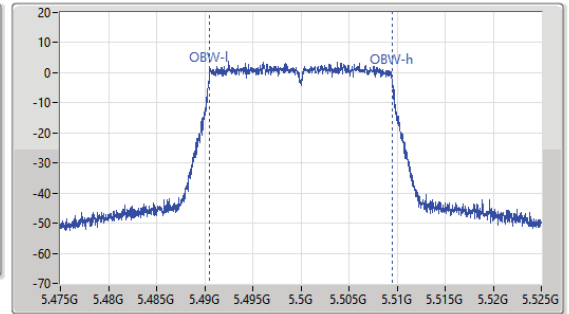
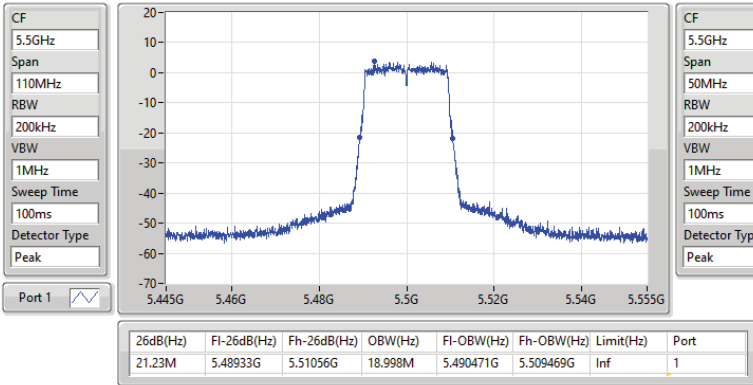
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	5.30933G	5.33056G	19.02M	5.310453G	5.329473G	Inf	1

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5500MHz

03/03/2023

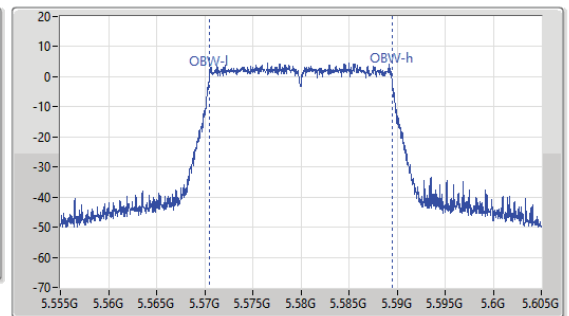
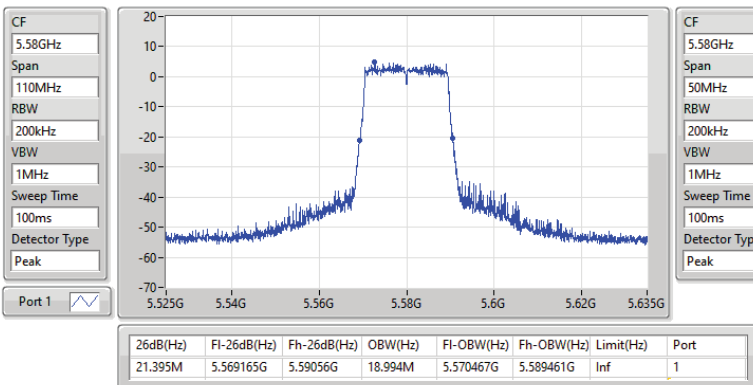


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5580MHz

03/03/2023



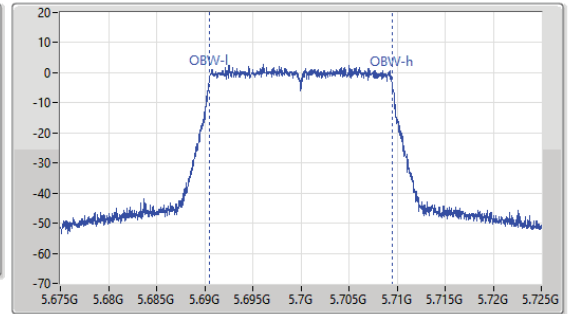
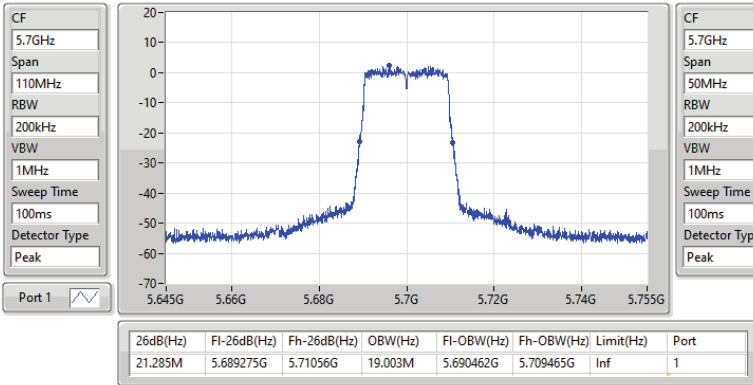


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5700MHz

03/03/2023

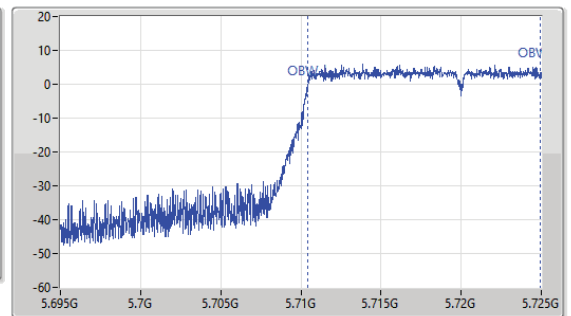
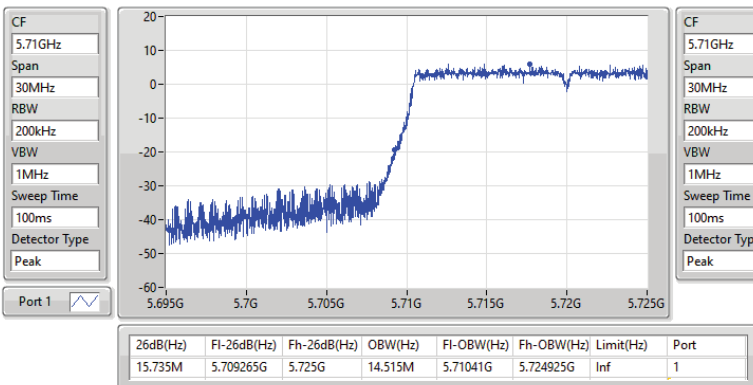


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/03/2023



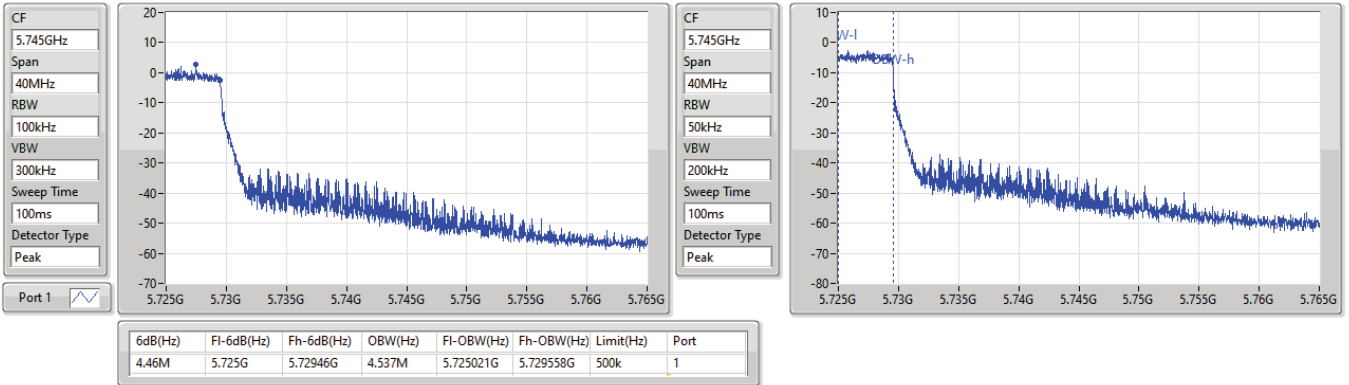


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023

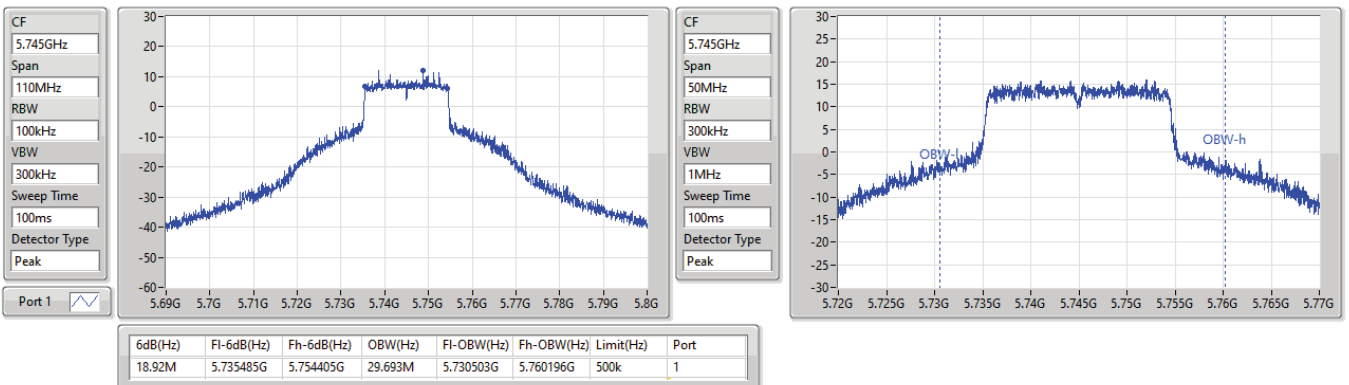


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5745MHz

03/03/2023



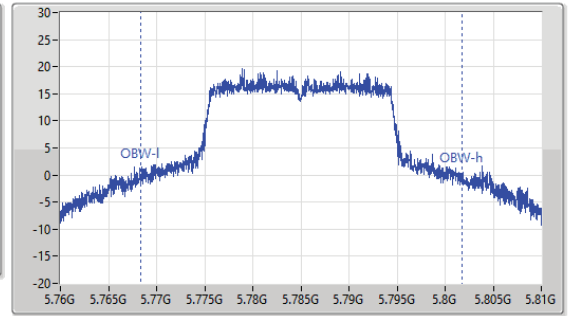
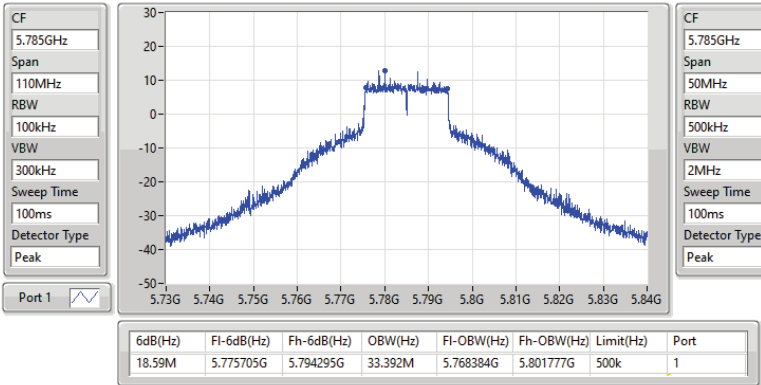


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5785MHz

03/03/2023

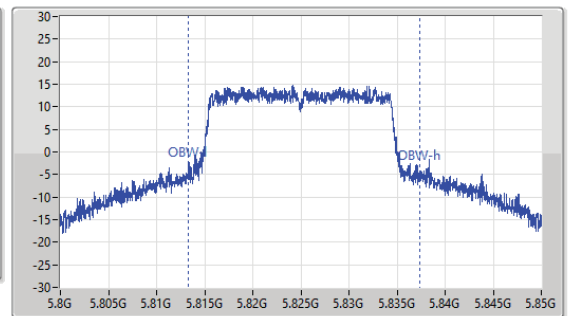
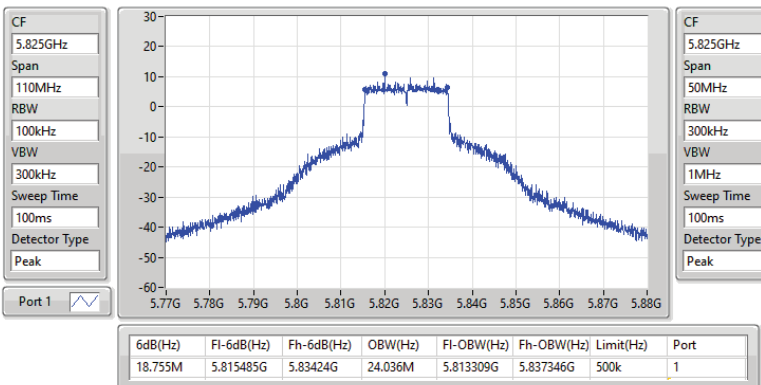


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5825MHz

03/03/2023



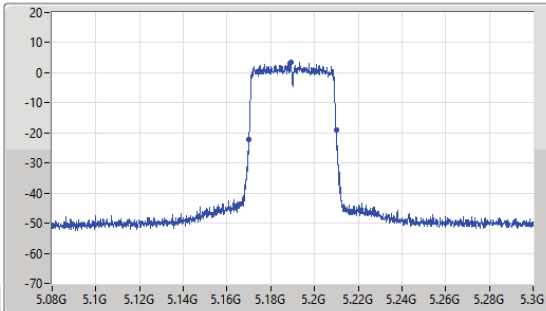
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

EBW

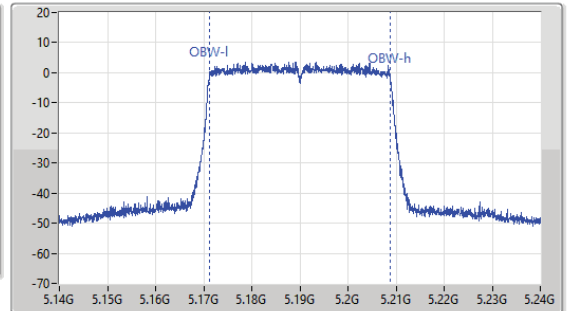
5190MHz

03/03/2023

CF
5.19GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.93M	5.16998G	5.20991G	37.589M	5.171176G	5.208765G	Inf	1

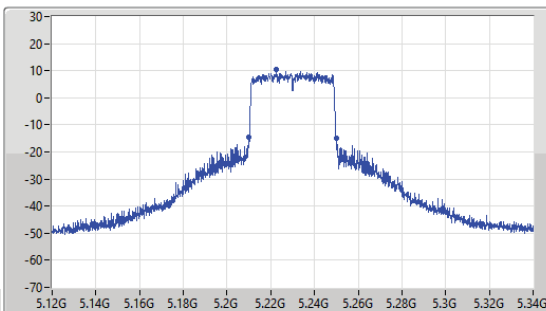
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

EBW

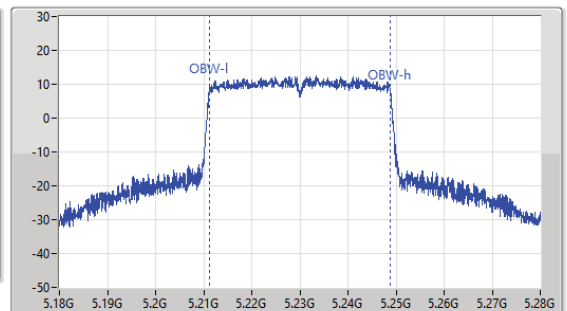
5230MHz

03/03/2023

CF
5.23GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	5.21009G	5.24991G	37.695M	5.211129G	5.248824G	Inf	1



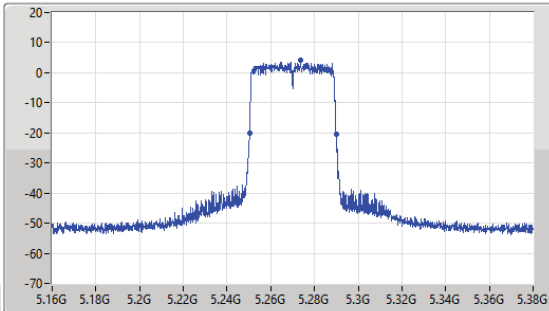
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

EBW

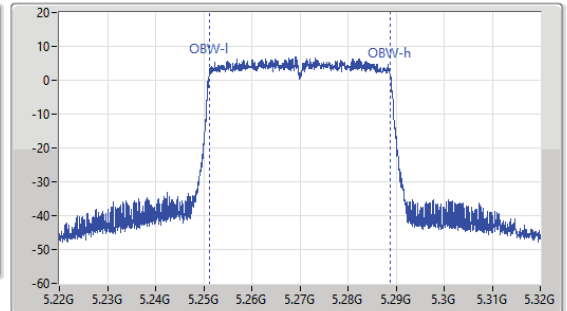
5270MHz

03/03/2023

CF
5.27GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.2502G	5.28991G	37.623M	5.251169G	5.288792G	Inf	1

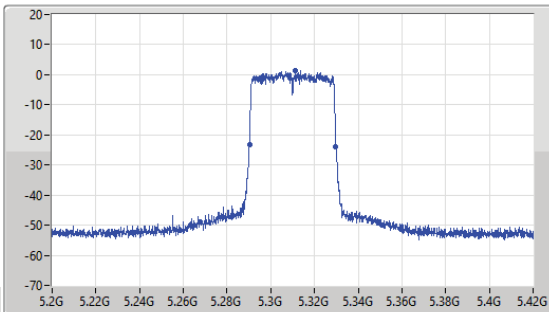
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_1TX

EBW

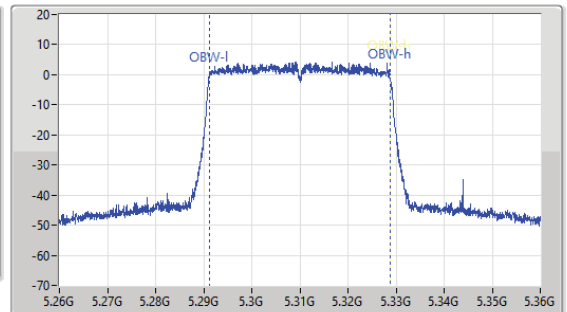
5310MHz

03/03/2023

CF
5.31GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



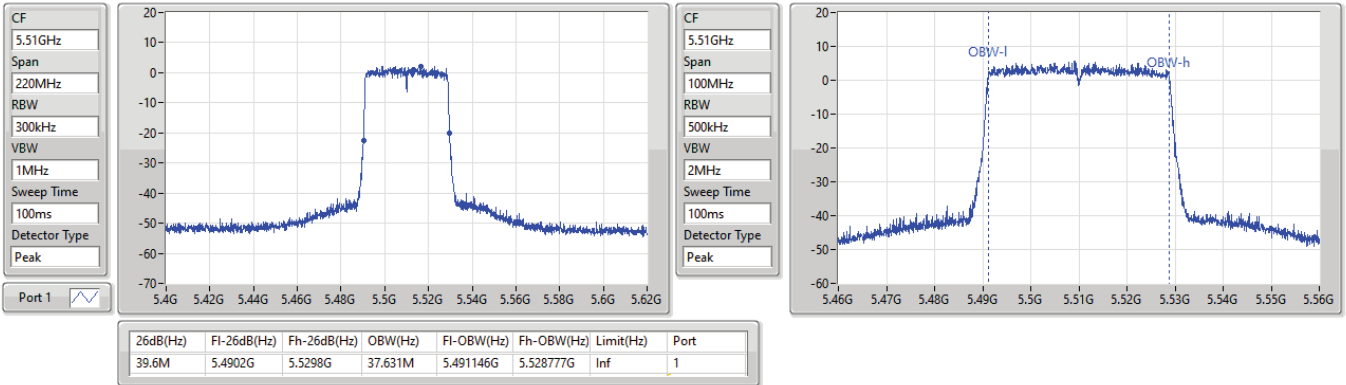
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2902G	5.3298G	37.624M	5.291162G	5.328785G	Inf	1

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5510MHz

03/03/2023

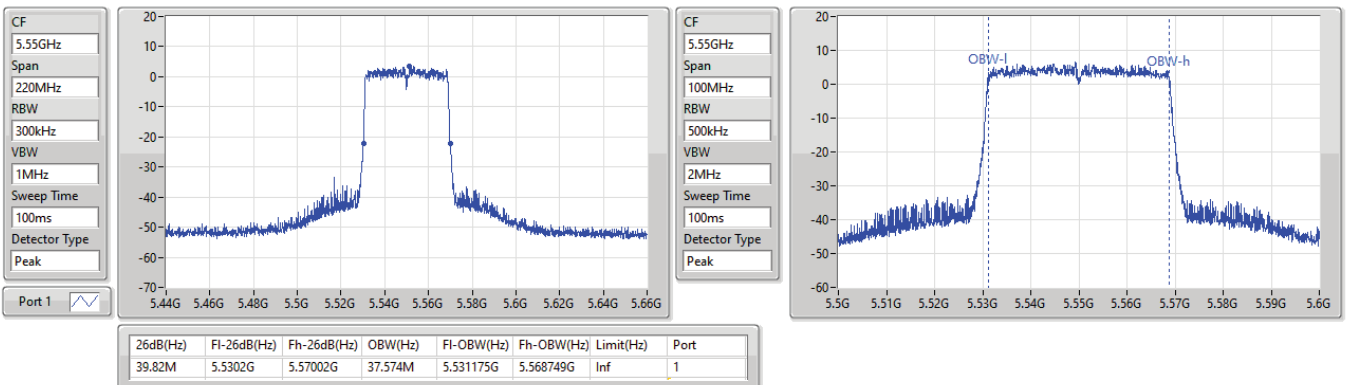


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5550MHz

03/03/2023

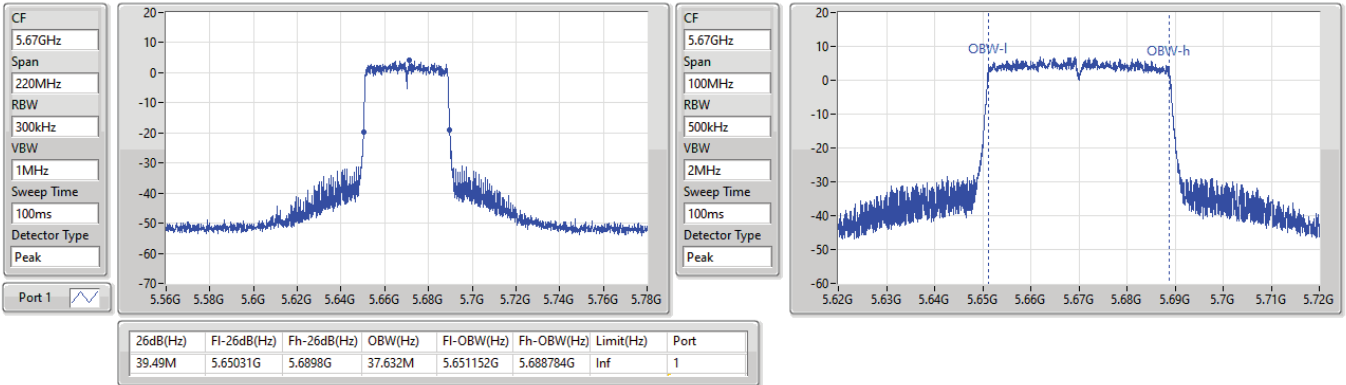


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

03/03/2023

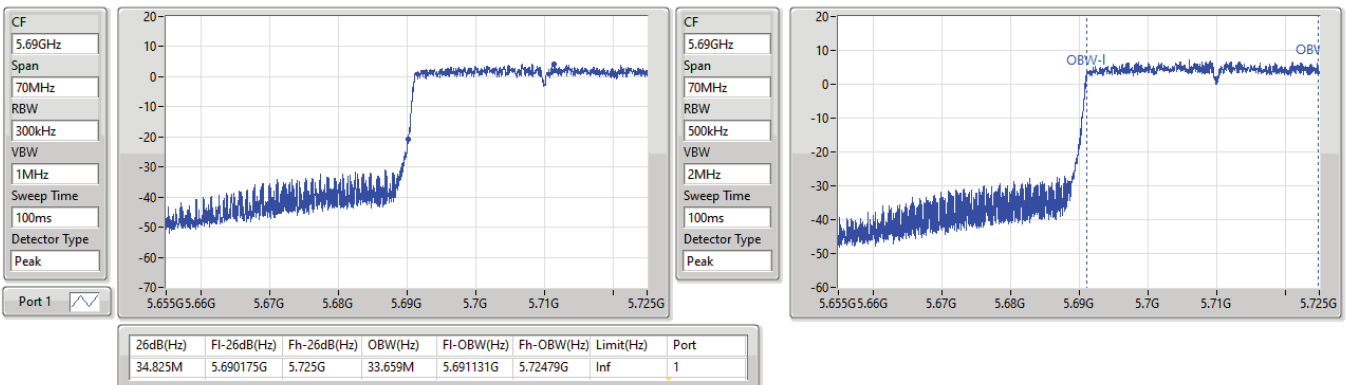


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/03/2023



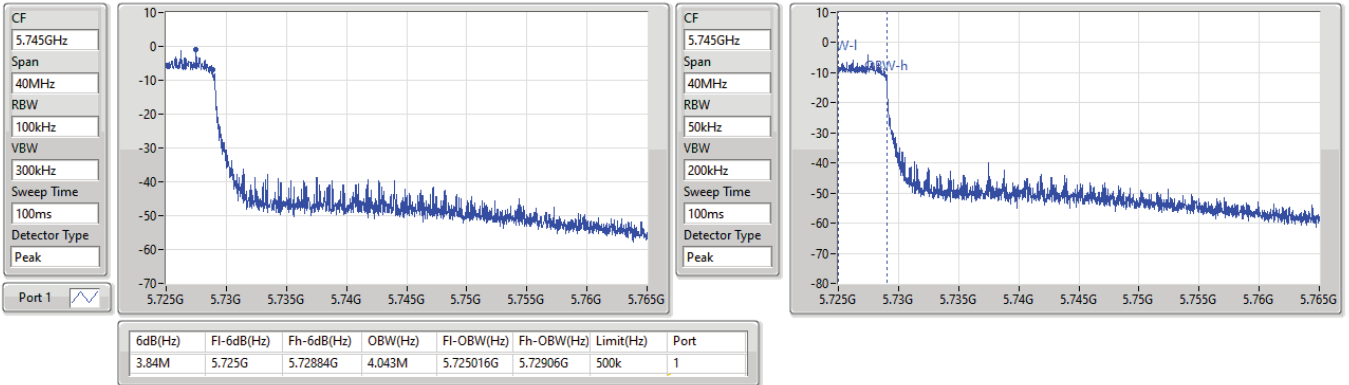


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/03/2023

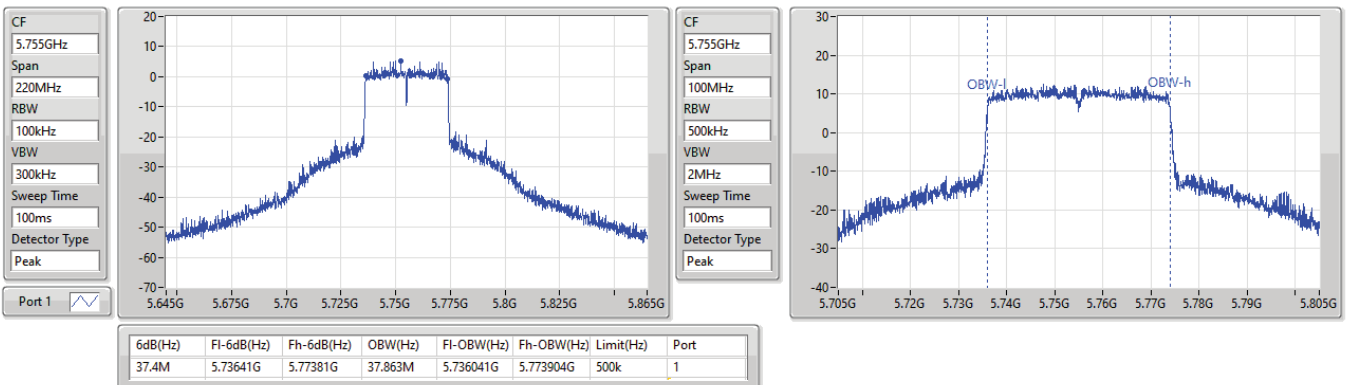


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5755MHz

03/03/2023





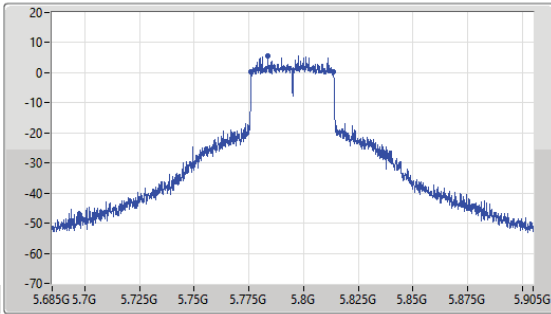
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

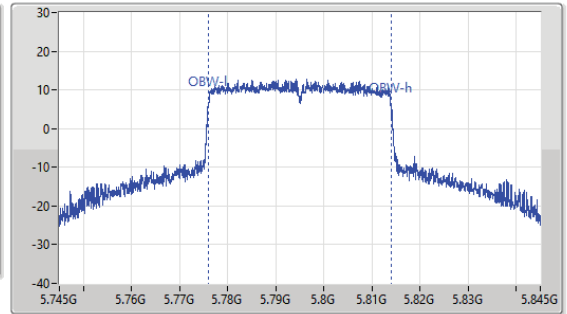
5795MHz

03/03/2023

CF
5.795GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.51M	5.77608G	5.81359G	38.09M	5.775931G	5.814021G	500k	1

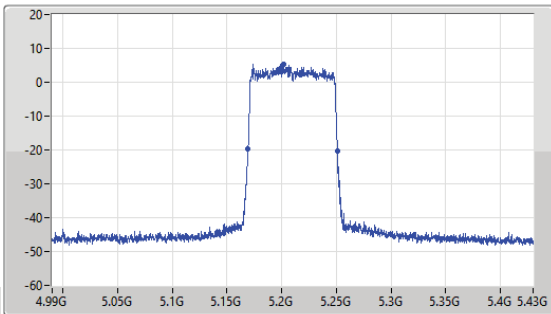
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

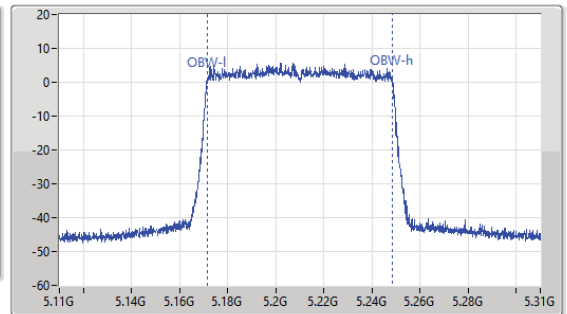
5210MHz

03/03/2023

CF
5.21GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.21GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.1693G	5.25114G	77.065M	5.171408G	5.248473G	Inf	1

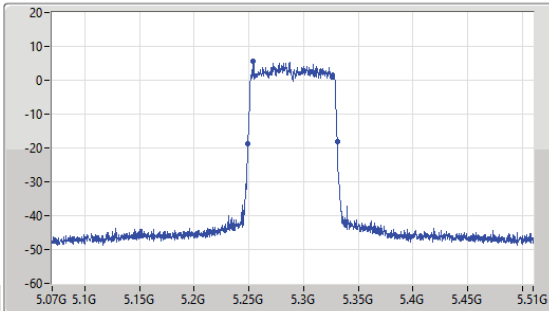
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

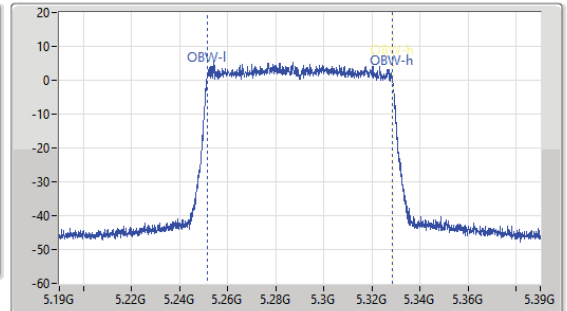
5290MHz

03/03/2023

CF
5.29GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.2493G	5.3307G	77.107M	5.251462G	5.328569G	Inf	1

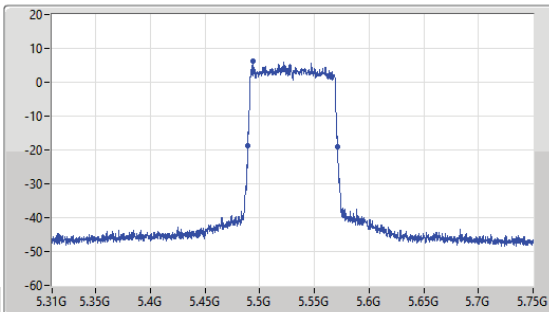
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

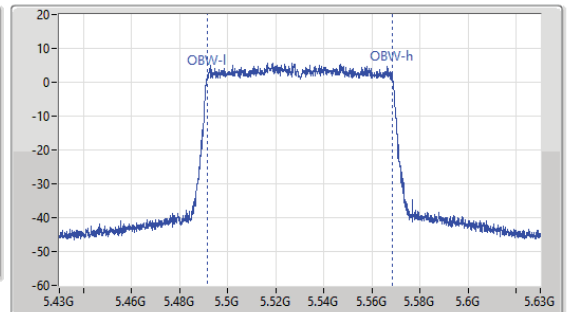
5530MHz

03/03/2023

CF
5.53GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak
Port 1



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



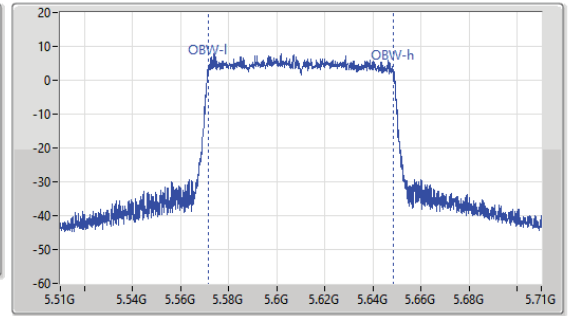
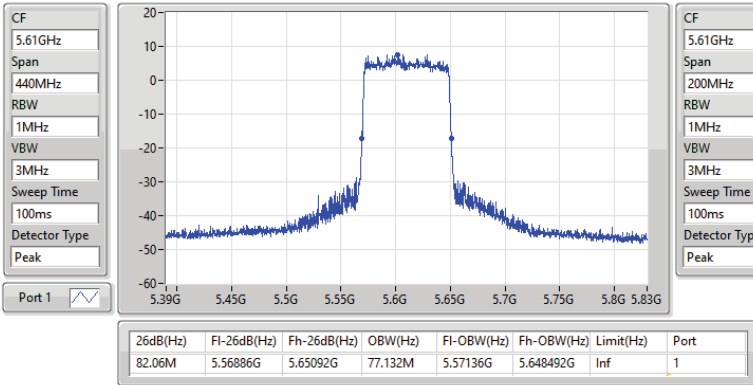
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	5.48886G	5.57114G	77.167M	5.49135G	5.568517G	Inf	1

5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

03/03/2023

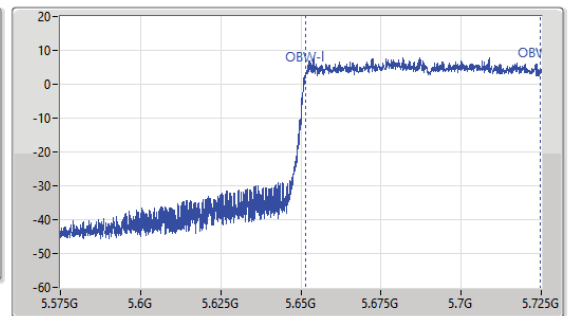
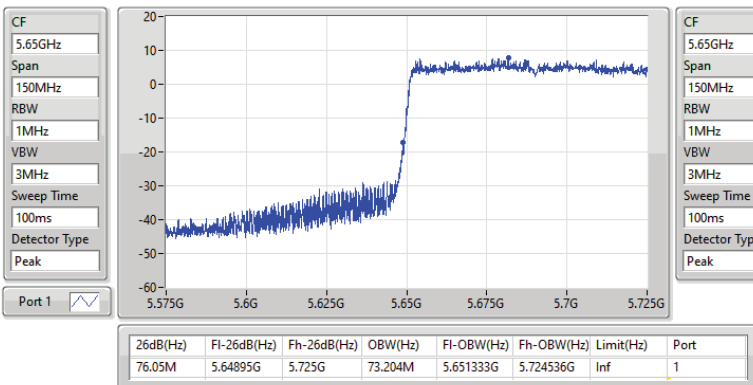


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/03/2023



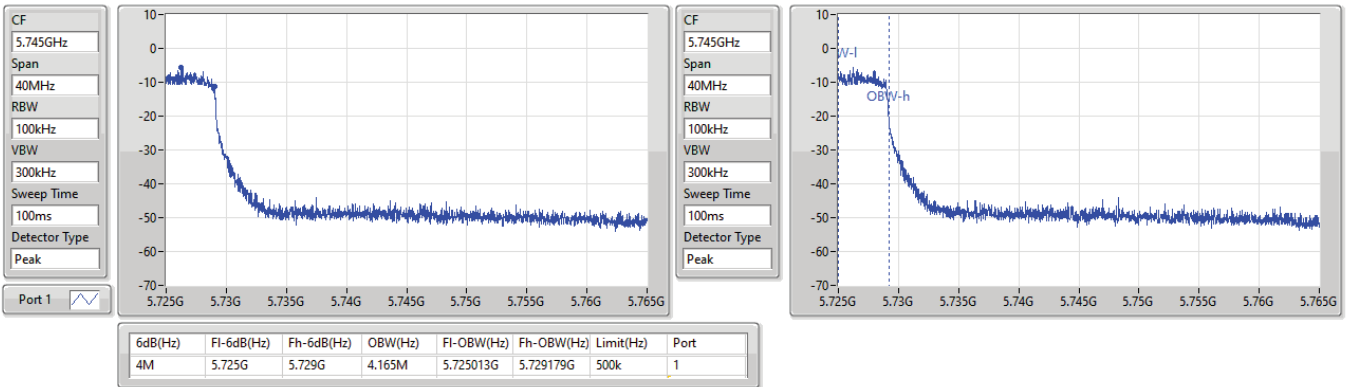


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/03/2023

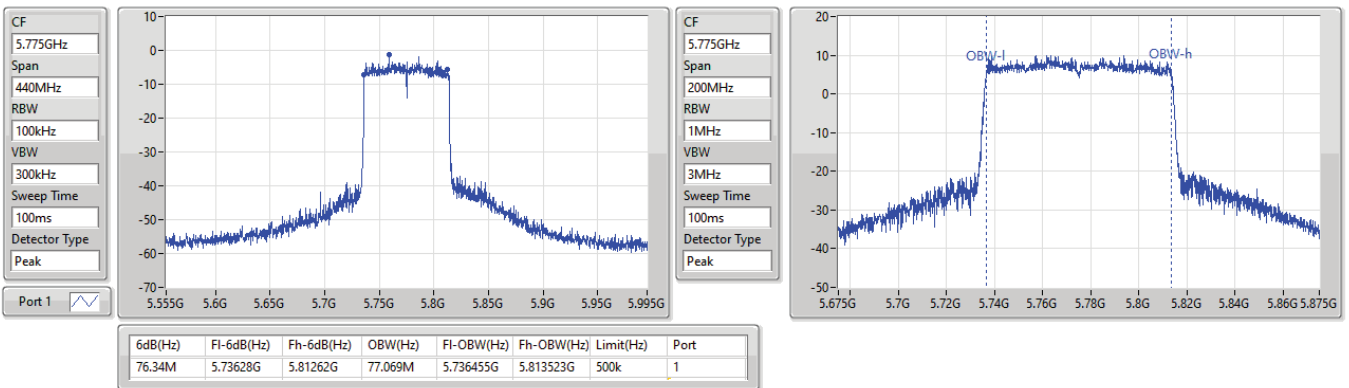


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5775MHz

03/03/2023

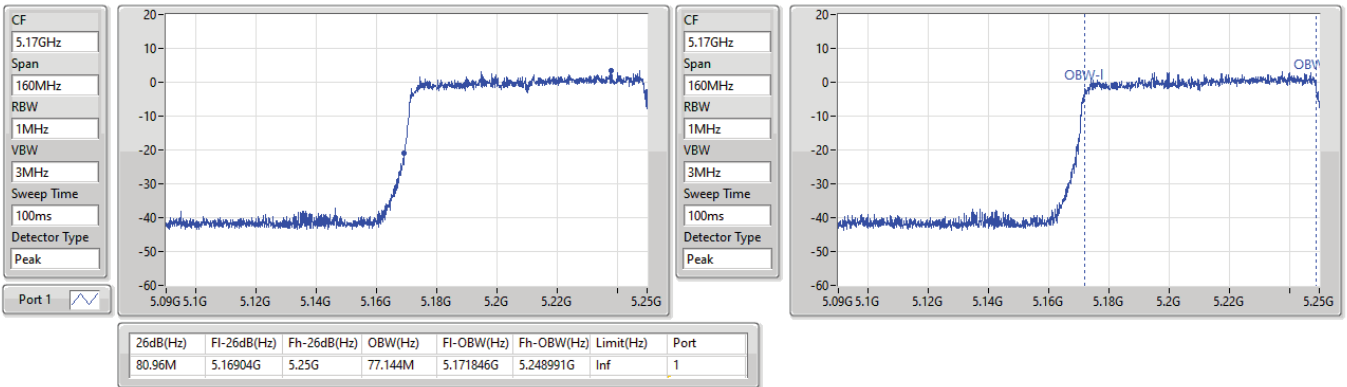


5.15-5.25GHz_802.11ax_HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.15-5.25GHz

03/03/2023

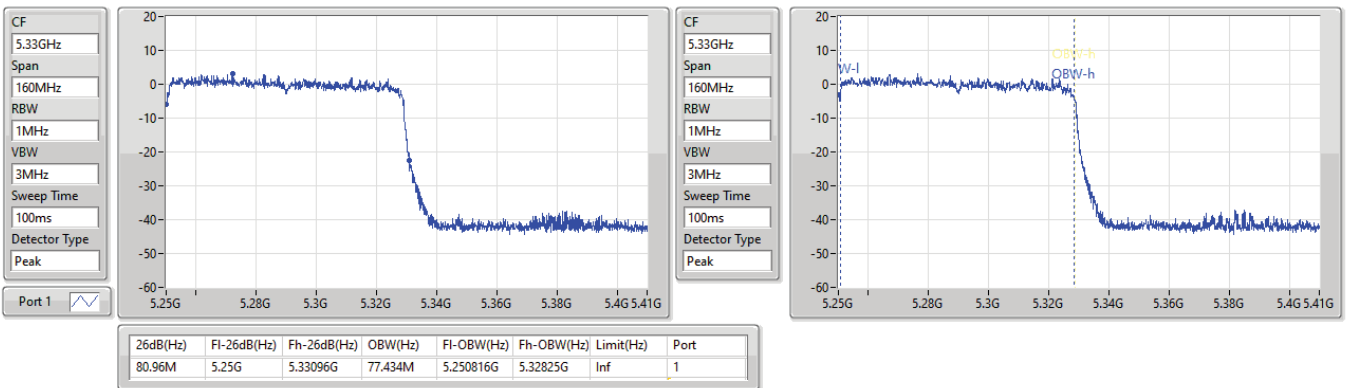


5.25-5.35GHz_802.11ax_HEW160_Nss1,(MCS0)_1TX

EBW

5250MHz Straddle 5.25-5.35GHz

03/03/2023



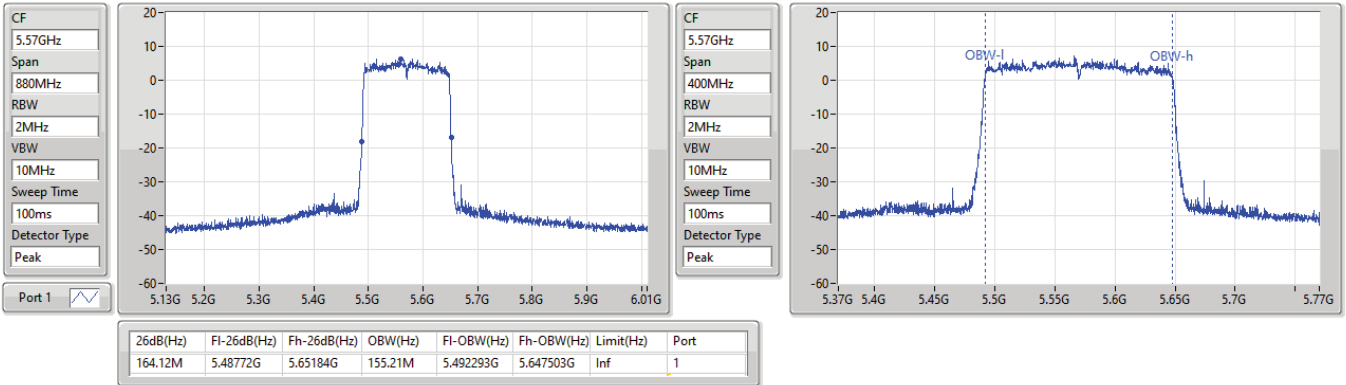


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

5570MHz

03/03/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	39.765M	20.424M	20M4D1D	21.065M	16.681M
802.11n HT20_Nss2,(MCS0)_2TX	39.655M	20.619M	20M6D1D	21.34M	17.831M
802.11n HT40_Nss2,(MCS0)_2TX	39.82M	36.535M	36M5D1D	39.27M	36.259M
802.11ac VHT20_Nss2,(MCS0)_2TX	39.545M	20.152M	20M2D1D	21.285M	17.814M
802.11ac VHT40_Nss2,(MCS0)_2TX	39.71M	36.543M	36M5D1D	39.16M	36.266M
802.11ac VHT80_Nss2,(MCS0)_2TX	82.06M	75.752M	75M8D1D	81.84M	75.62M
802.11ac VHT160_Nss2,(MCS0)_2TX	81.76M	75.974M	76MOD1D	81.68M	75.931M
802.11ax HEW20_Nss2,(MCS0)_2TX	44.605M	20.811M	20M8D1D	21.175M	19.007M
802.11ax HEW40_Nss2,(MCS0)_2TX	39.82M	37.68M	37M7D1D	39.49M	37.531M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.4M	76.927M	76M9D1D	81.4M	76.875M
802.11ax HEW160_Nss2,(MCS0)_2TX	81.36M	77.094M	77M1D1D	81.04M	77.071M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.06M	19.126M	19M1D1D	21.175M	16.693M
802.11n HT20_Nss2,(MCS0)_2TX	21.78M	17.911M	17M9D1D	21.23M	17.816M
802.11n HT40_Nss2,(MCS0)_2TX	39.6M	36.426M	36M4D1D	39.05M	36.292M
802.11ac VHT20_Nss2,(MCS0)_2TX	21.56M	17.821M	17M8D1D	21.23M	17.803M
802.11ac VHT40_Nss2,(MCS0)_2TX	39.71M	36.438M	36M4D1D	39.16M	36.235M
802.11ac VHT80_Nss2,(MCS0)_2TX	82.28M	75.79M	75M8D1D	81.62M	75.631M
802.11ac VHT160_Nss2,(MCS0)_2TX	82.08M	75.822M	75M8D1D	81.44M	75.749M
802.11ax HEW20_Nss2,(MCS0)_2TX	21.395M	19.003M	19MOD1D	21.12M	18.979M
802.11ax HEW40_Nss2,(MCS0)_2TX	39.6M	37.672M	37M7D1D	39.6M	37.52M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.84M	76.944M	76M9D1D	81.62M	76.895M
802.11ax HEW160_Nss2,(MCS0)_2TX	81.68M	77.111M	77M1D1D	80.8M	77.076M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	38.225M	19.416M	19M4D1D	21.12M	14.323M
802.11n HT20_Nss2,(MCS0)_2TX	21.615M	17.927M	17M9D1D	15.81M	14.017M
802.11n HT40_Nss2,(MCS0)_2TX	39.82M	36.447M	36M4D1D	34.58M	33.073M
802.11ac VHT20_Nss2,(MCS0)_2TX	21.395M	17.826M	17M8D1D	15.72M	13.98M
802.11ac VHT40_Nss2,(MCS0)_2TX	39.71M	36.449M	36M4D1D	34.65M	32.993M
802.11ac VHT80_Nss2,(MCS0)_2TX	82.06M	75.796M	75M8D1D	76.125M	72.405M
802.11ac VHT160_Nss2,(MCS0)_2TX	165.44M	154.085M	154MD1D	163.24M	154.007M
802.11ax HEW20_Nss2,(MCS0)_2TX	44.055M	19.608M	19M6D1D	21.12M	14.757M
802.11ax HEW40_Nss2,(MCS0)_2TX	53.48M	37.64M	37M6D1D	39.27M	33.981M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.84M	76.942M	76M9D1D	75.225M	73.016M
802.11ax HEW160_Nss2,(MCS0)_2TX	163.68M	155.115M	155MD1D	163.24M	154.925M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.39M	31.84M	31M8D1D	3.2M	9.947M
802.11n HT20_Nss2,(MCS0)_2TX	17.6M	33.096M	33M1D1D	3.74M	4.257M
802.11n HT40_Nss2,(MCS0)_2TX	36.41M	37.19M	37M2D1D	3.12M	3.496M
802.11ac VHT20_Nss2,(MCS0)_2TX	17.545M	32.981M	33MOD1D	3.72M	4.182M
802.11ac VHT40_Nss2,(MCS0)_2TX	36.41M	37.125M	37M1D1D	3.12M	3.504M
802.11ac VHT80_Nss2,(MCS0)_2TX	75.9M	75.703M	75M7D1D	3.1M	3.672M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.865M	33.127M	33M1D1D	4.36M	10.155M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.62M	37.953M	38MOD1D	3.8M	20.89M
802.11ax HEW80_Nss2,(MCS0)_2TX	77.44M	76.978M	77MOD1D	3.7M	4.03M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.12M	16.728M	21.065M	16.681M
5200MHz	Pass	Inf	21.725M	16.887M	21.78M	16.841M
5240MHz	Pass	Inf	39.765M	19.191M	37.675M	20.424M
5260MHz	Pass	Inf	37.07M	18.141M	38.06M	19.126M
5300MHz	Pass	Inf	31.79M	16.983M	30.305M	16.988M
5320MHz	Pass	Inf	21.175M	16.763M	21.34M	16.693M
5500MHz	Pass	Inf	21.34M	16.743M	21.12M	16.681M
5580MHz	Pass	Inf	38.06M	19M	38.225M	19.416M
5700MHz	Pass	Inf	21.12M	16.75M	21.285M	16.683M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	23.76M	14.622M	23.835M	14.323M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	11.148M	3.2M	9.947M
5745MHz	Pass	500k	16.28M	27.448M	16.28M	27.286M
5785MHz	Pass	500k	16.28M	31.84M	16.28M	30.584M
5825MHz	Pass	500k	16.28M	26.038M	16.39M	25.816M
802.11n HT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	17.911M	21.34M	17.831M
5200MHz	Pass	Inf	23.815M	17.984M	24.75M	17.943M
5240MHz	Pass	Inf	39.655M	20.503M	37.565M	20.619M
5260MHz	Pass	Inf	21.395M	17.906M	21.34M	17.831M
5300MHz	Pass	Inf	21.505M	17.891M	21.23M	17.816M
5320MHz	Pass	Inf	21.78M	17.911M	21.23M	17.841M
5500MHz	Pass	Inf	21.615M	17.895M	21.505M	17.833M
5580MHz	Pass	Inf	21.56M	17.927M	21.285M	17.828M
5700MHz	Pass	Inf	21.615M	17.887M	21.285M	17.802M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.81M	14.033M	15.84M	14.017M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.298M	3.74M	4.257M
5745MHz	Pass	500k	17.545M	28.487M	17.6M	28.098M
5785MHz	Pass	500k	17.6M	33.096M	17.545M	31.574M
5825MHz	Pass	500k	17.6M	25.12M	17.6M	23.632M
802.11n HT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.6M	36.395M	39.27M	36.259M
5230MHz	Pass	Inf	39.82M	36.535M	39.49M	36.372M
5270MHz	Pass	Inf	39.6M	36.412M	39.05M	36.311M
5310MHz	Pass	Inf	39.6M	36.426M	39.16M	36.292M
5510MHz	Pass	Inf	39.49M	36.447M	39.05M	36.262M
5550MHz	Pass	Inf	39.71M	36.396M	39.27M	36.277M
5670MHz	Pass	Inf	39.82M	36.388M	39.16M	36.305M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	33.154M	34.58M	33.073M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.526M	3.12M	3.496M
5755MHz	Pass	500k	36.41M	36.708M	36.41M	36.478M
5795MHz	Pass	500k	36.19M	37.19M	36.41M	36.681M
802.11ac VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.285M	17.814M	21.285M	17.82M
5200MHz	Pass	Inf	21.505M	17.894M	21.89M	17.921M
5240MHz	Pass	Inf	39.545M	19.826M	37.455M	20.152M
5260MHz	Pass	Inf	21.285M	17.814M	21.23M	17.811M
5300MHz	Pass	Inf	21.56M	17.811M	21.285M	17.809M
5320MHz	Pass	Inf	21.395M	17.821M	21.285M	17.803M
5500MHz	Pass	Inf	21.23M	17.826M	21.23M	17.814M
5580MHz	Pass	Inf	21.395M	17.821M	21.34M	17.809M
5700MHz	Pass	Inf	21.285M	17.816M	21.23M	17.808M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	13.98M	15.72M	14.006M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.72M	4.245M	3.76M	4.182M
5745MHz	Pass	500k	17.16M	27.857M	17.105M	27.619M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5785MHz	Pass	500k	17.545M	32.981M	17.215M	31.073M
5825MHz	Pass	500k	17.545M	23.849M	17.545M	23.271M
802.11ac VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.6M	36.4M	39.16M	36.266M
5230MHz	Pass	Inf	39.71M	36.543M	39.38M	36.309M
5270MHz	Pass	Inf	39.71M	36.418M	39.16M	36.235M
5310MHz	Pass	Inf	39.49M	36.438M	39.27M	36.256M
5510MHz	Pass	Inf	39.71M	36.449M	39.27M	36.25M
5550MHz	Pass	Inf	39.6M	36.435M	39.05M	36.246M
5670MHz	Pass	Inf	39.49M	36.43M	39.16M	36.257M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.825M	33.087M	34.65M	32.993M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.512M	3.2M	3.504M
5755MHz	Pass	500k	36.08M	36.684M	36.41M	36.432M
5795MHz	Pass	500k	36.3M	37.125M	35.97M	36.654M
802.11ac VHT80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	82.06M	75.752M	81.84M	75.62M
5290MHz	Pass	Inf	82.28M	75.79M	81.62M	75.631M
5530MHz	Pass	Inf	82.06M	75.78M	81.84M	75.577M
5610MHz	Pass	Inf	82.06M	75.796M	81.62M	75.59M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	72.459M	76.125M	72.405M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	3.866M	3.1M	3.672M
5775MHz	Pass	500k	75.02M	75.703M	75.9M	75.658M
802.11ac VHT160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.76M	75.974M	81.68M	75.931M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.08M	75.822M	81.44M	75.749M
5570MHz	Pass	Inf	165.44M	154.085M	163.24M	154.007M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	19.007M	21.175M	19.009M
5200MHz	Pass	Inf	24.365M	19.075M	21.615M	19.071M
5240MHz	Pass	Inf	44.605M	20.609M	42.295M	20.811M
5260MHz	Pass	Inf	21.395M	18.996M	21.12M	18.979M
5300MHz	Pass	Inf	21.175M	19.003M	21.175M	19.003M
5320MHz	Pass	Inf	21.395M	19M	21.12M	19M
5500MHz	Pass	Inf	21.45M	18.997M	21.23M	19.017M
5580MHz	Pass	Inf	44.055M	19.608M	40.04M	19.5M
5700MHz	Pass	Inf	21.45M	18.983M	21.12M	19.009M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	24.72M	14.934M	22.575M	14.757M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	12.539M	4.36M	10.155M
5745MHz	Pass	500k	18.755M	28.053M	18.81M	27.941M
5785MHz	Pass	500k	18.7M	33.127M	18.81M	32.096M
5825MHz	Pass	500k	18.59M	24.582M	18.865M	24.337M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.82M	37.531M	39.49M	37.619M
5230MHz	Pass	Inf	39.6M	37.593M	39.6M	37.68M
5270MHz	Pass	Inf	39.6M	37.566M	39.6M	37.672M
5310MHz	Pass	Inf	39.6M	37.52M	39.6M	37.625M
5510MHz	Pass	Inf	39.6M	37.507M	39.49M	37.617M
5550MHz	Pass	Inf	39.49M	37.607M	39.71M	37.64M
5670MHz	Pass	Inf	39.27M	37.541M	39.49M	37.628M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	53.48M	34.33M	51.66M	33.981M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.8M	25.086M	3.9M	20.89M
5755MHz	Pass	500k	36.96M	37.716M	37.62M	37.819M
5795MHz	Pass	500k	36.96M	37.953M	37.4M	37.939M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.4M	76.927M	81.4M	76.875M
5290MHz	Pass	Inf	81.62M	76.944M	81.84M	76.895M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5530MHz	Pass	Inf	81.84M	76.913M	81.18M	76.936M
5610MHz	Pass	Inf	81.84M	76.942M	80.96M	76.923M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.525M	73.158M	75.225M	73.016M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	4.137M	3.7M	4.03M
5775MHz	Pass	500k	77.44M	76.978M	77M	76.886M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	77.094M	81.04M	77.071M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.68M	77.111M	80.8M	77.076M
5570MHz	Pass	Inf	163.68M	154.925M	163.24M	155.115M
5570MHz	Pass	Inf	163.68M	154.925M	163.24M	155.115M

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

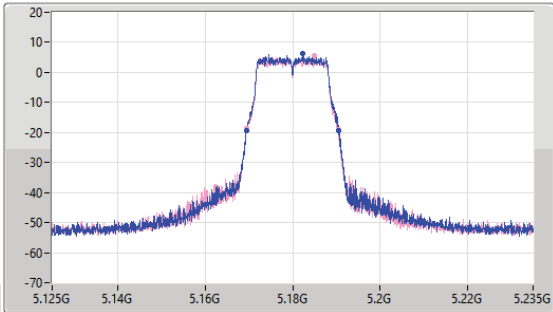
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

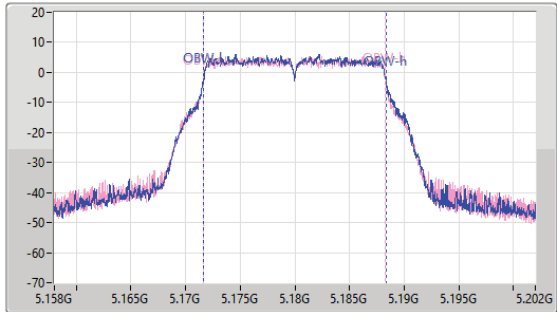
5180MHz

03/03/2023

CF: 5.18GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.18GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.169385G	5.190505G	16.728M	5.171633G	5.188361G	Inf	1
21.065M	5.169385G	5.19045G	16.681M	5.171611G	5.188292G	Inf	2

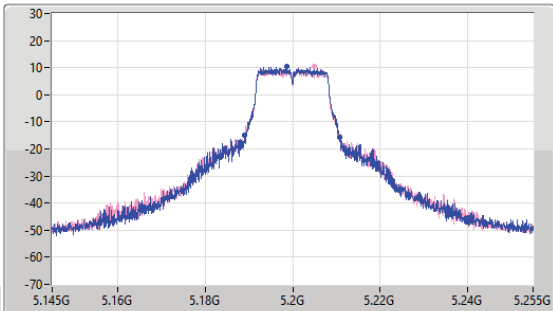
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

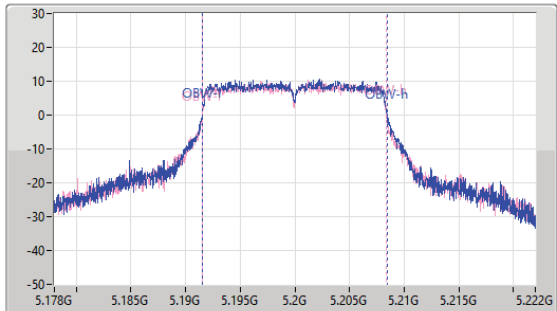
5200MHz

03/03/2023

CF: 5.2GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.2GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.725M	5.189055G	5.21078G	16.887M	5.191534G	5.208421G	Inf	1
21.78M	5.18889G	5.21067G	16.841M	5.191508G	5.208349G	Inf	2



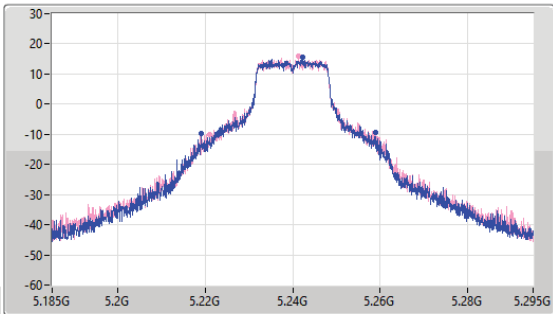
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

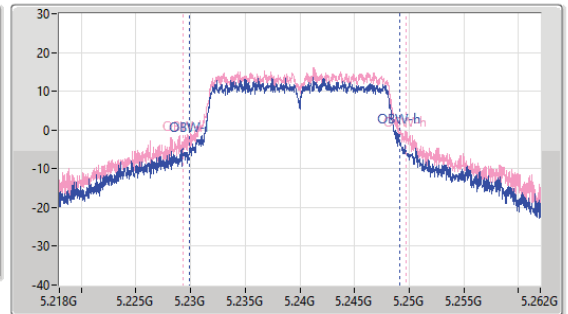
5240MHz

03/03/2023

CF: 5.24GHz
 Span: 110MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.24GHz
 Span: 44MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.765M	5.2191G	5.258865G	19.191M	5.229934G	5.249125G	Inf	1
37.675M	5.22108G	5.258755G	20.424M	5.229294G	5.249717G	Inf	2

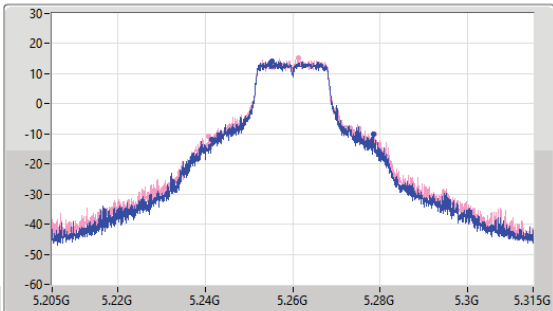
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

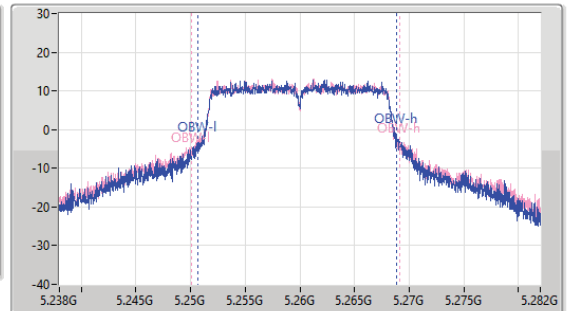
5260MHz

03/03/2023

CF: 5.26GHz
 Span: 110MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.26GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.07M	5.24141G	5.27848G	18.141M	5.250715G	5.268856G	Inf	1
38.06M	5.24075G	5.27881G	19.126M	5.25004G	5.269166G	Inf	2

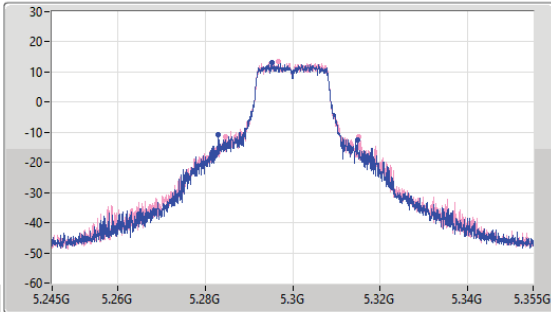
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

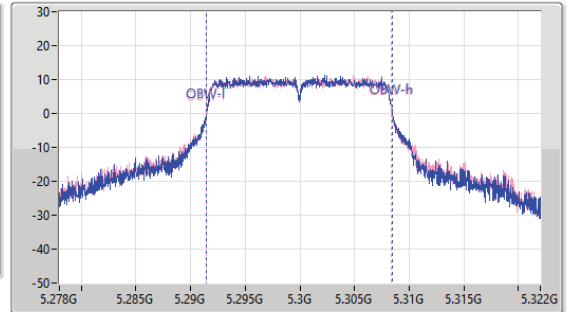
5300MHz

03/03/2023

CF: 5.3GHz
 Span: 110MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.3GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.79M	5.283005G	5.314795G	16.983M	5.291468G	5.308451G	Inf	1
30.305M	5.28471G	5.315015G	16.988M	5.29142G	5.308408G	Inf	2

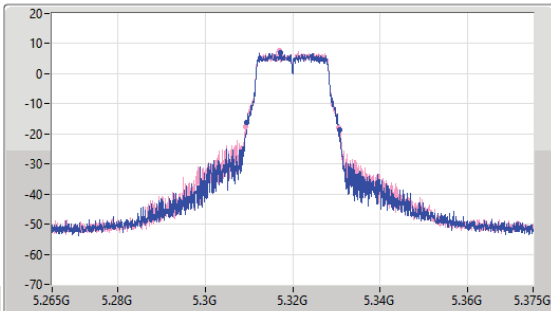
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

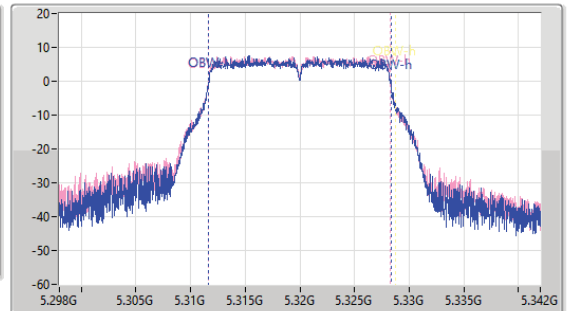
5320MHz

03/03/2023

CF: 5.32GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.32GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.175M	5.309495G	5.33067G	16.763M	5.311602G	5.328365G	Inf	1
21.34M	5.309165G	5.330505G	16.693M	5.311607G	5.3283G	Inf	2



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

EBW

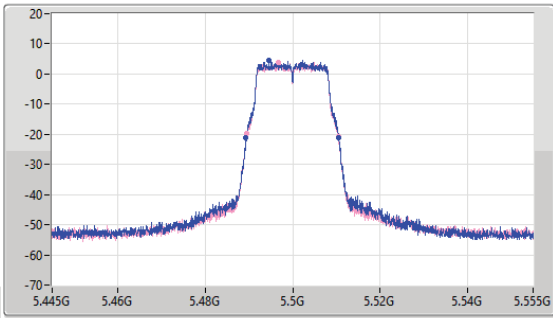
5500MHz

03/03/2023

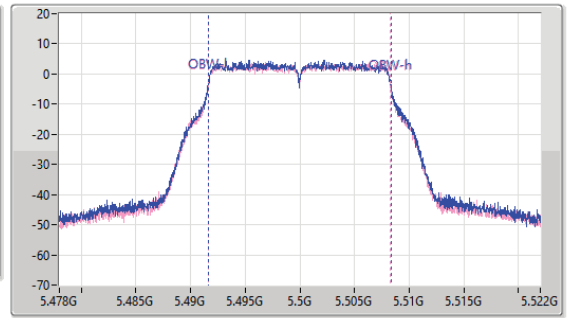
CF: 5.5GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:

Port 2:



CF: 5.5GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.34M	5.489275G	5.510615G	16.743M	5.491611G	5.508354G	Inf	1
21.12M	5.489385G	5.510505G	16.681M	5.491623G	5.508304G	Inf	2

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

EBW

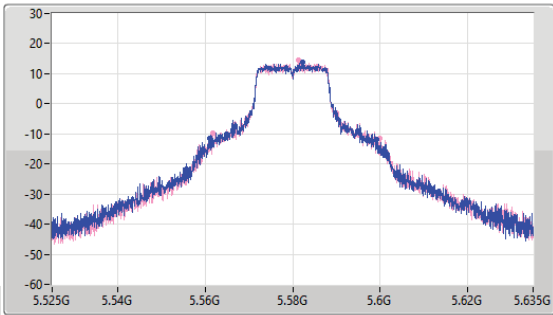
5580MHz

03/03/2023

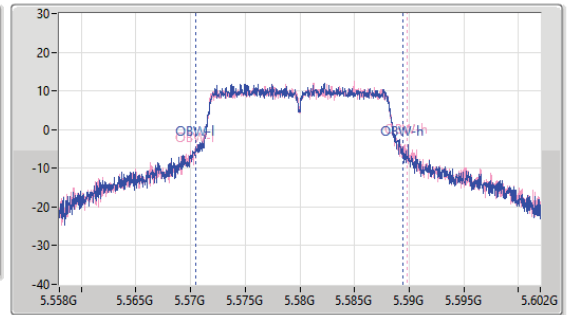
CF: 5.58GHz
 Span: 110MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:

Port 2:



CF: 5.58GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.06M	5.56108G	5.59914G	19M	5.570446G	5.589447G	Inf	1
38.225M	5.56163G	5.599855G	19.416M	5.570444G	5.58986G	Inf	2



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

EBW

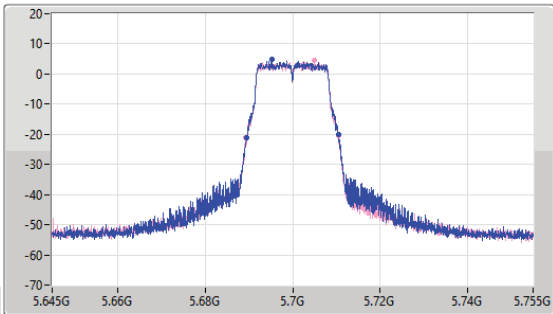
5700MHz

03/03/2023

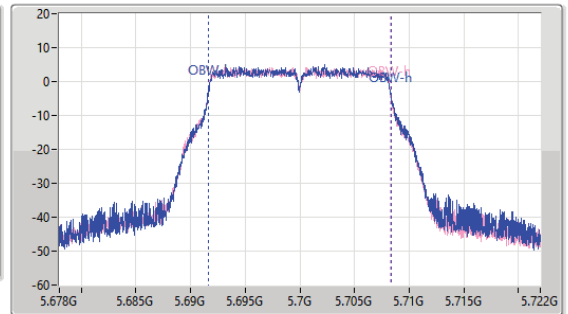
CF: 5.7GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:

Port 2:



CF: 5.7GHz
 Span: 44MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.68944G	5.71056G	16.75M	5.691606G	5.708355G	Inf	1
21.285M	5.689165G	5.71045G	16.683M	5.691613G	5.708296G	Inf	2

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

EBW

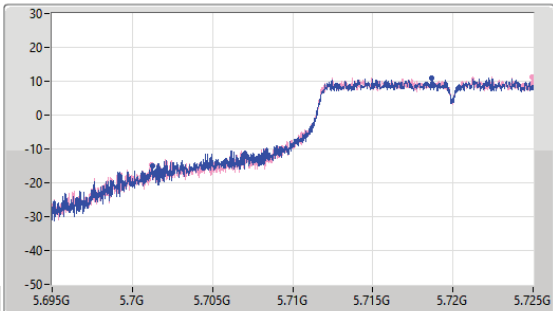
5720MHz Straddle 5.47-5.725GHz

03/03/2023

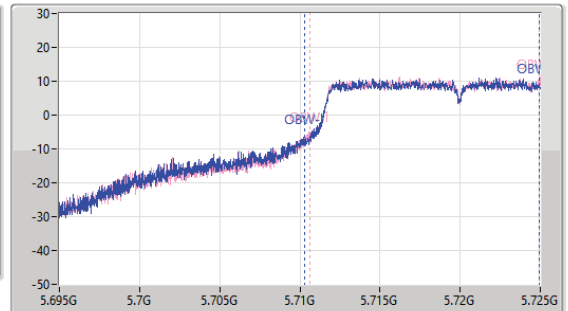
CF: 5.71GHz
 Span: 30MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak

Port 1:

Port 2:



CF: 5.71GHz
 Span: 30MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.76M	5.70124G	5.725G	14.622M	5.710301G	5.724922G	Inf	1
23.835M	5.701165G	5.725G	14.323M	5.710623G	5.724946G	Inf	2

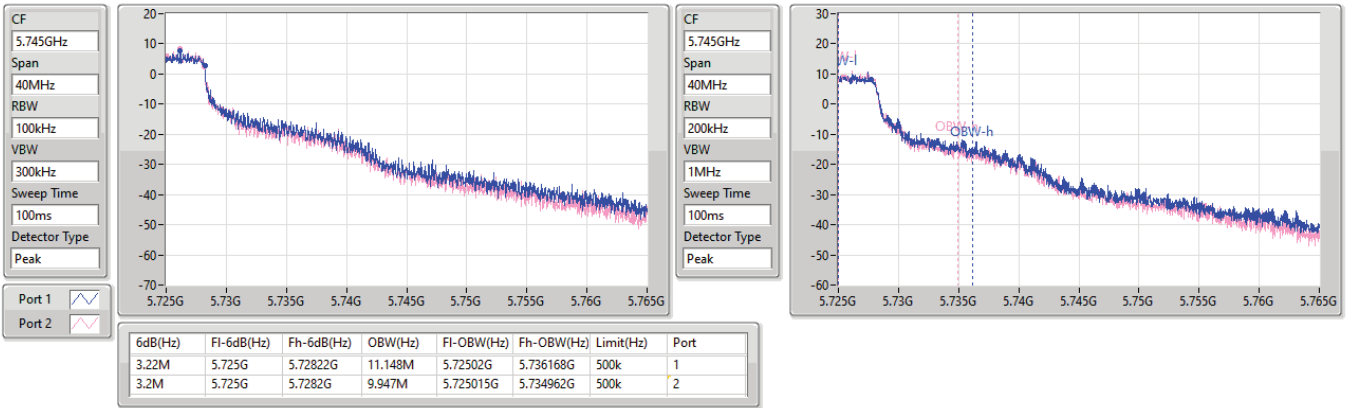


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023

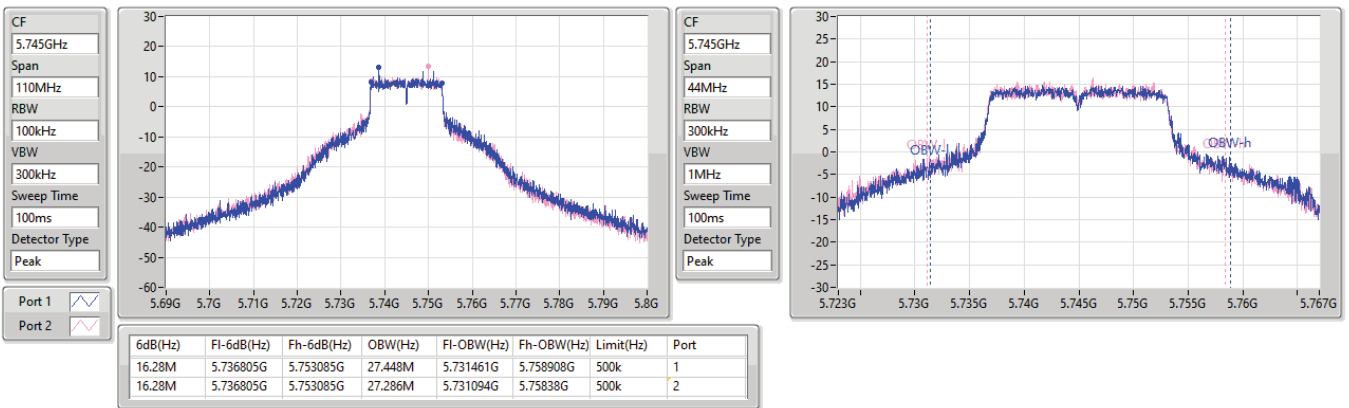


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

03/03/2023



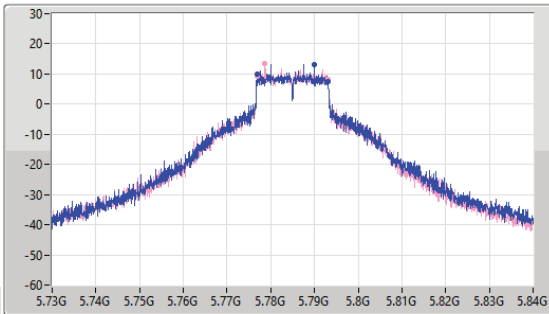
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

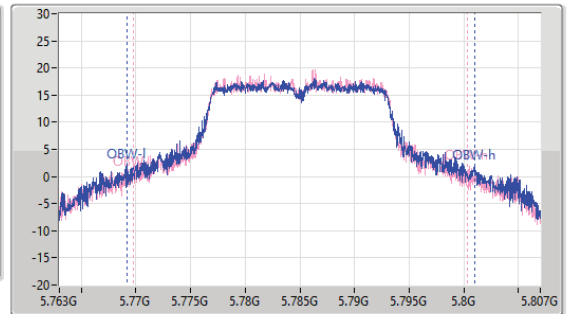
5785MHz

03/03/2023

CF
5.785GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
44MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.28M	5.776805G	5.793085G	31.84M	5.769162G	5.801002G	500k	1
16.28M	5.776805G	5.793085G	30.584M	5.769724G	5.800307G	500k	2

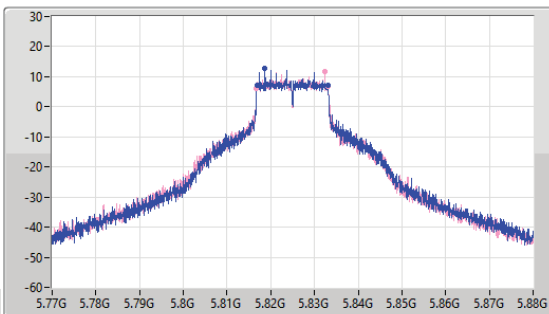
5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

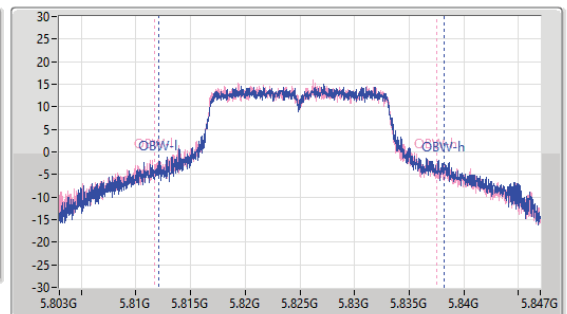
5825MHz

03/03/2023

CF
5.825GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
44MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.28M	5.816805G	5.833085G	26.038M	5.812138G	5.838176G	500k	1
16.39M	5.81675G	5.83314G	25.816M	5.81172G	5.837536G	500k	2

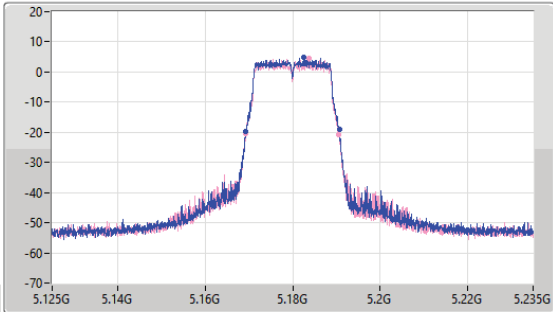
5.15-5.25GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

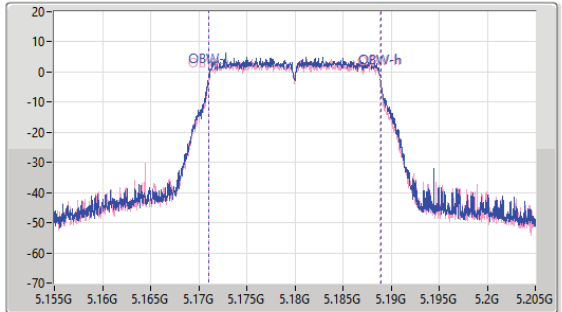
5180MHz

03/03/2023

CF
5.18GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.18GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.169275G	5.190725G	17.911M	5.171008G	5.188918G	Inf	1
21.34M	5.169275G	5.190615G	17.831M	5.171018G	5.188848G	Inf	2

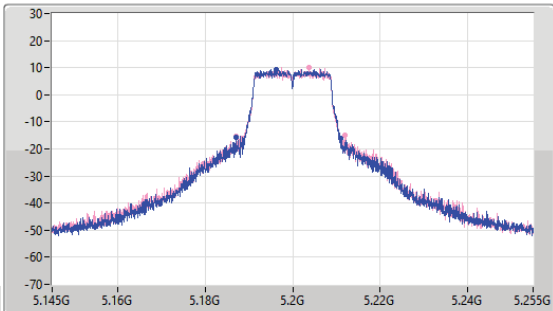
5.15-5.25GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

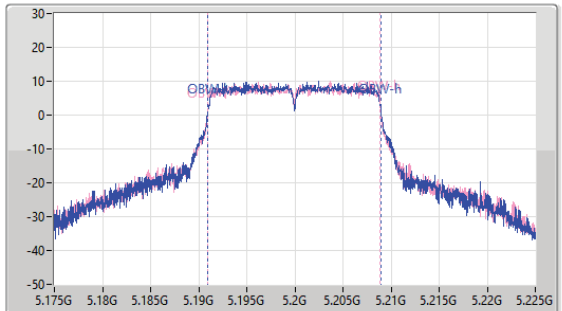
5200MHz

03/03/2023

CF
5.2GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.815M	5.18713G	5.210945G	17.984M	5.190958G	5.208941G	Inf	1
24.75M	5.187185G	5.211935G	17.943M	5.190954G	5.208897G	Inf	2



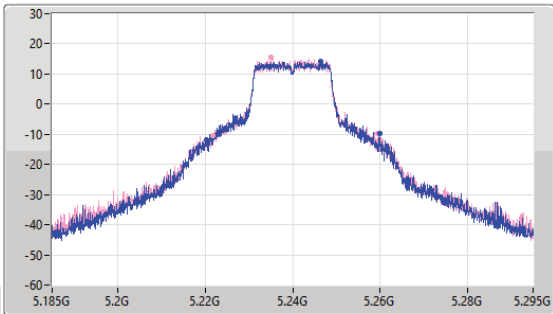
5.15-5.25GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

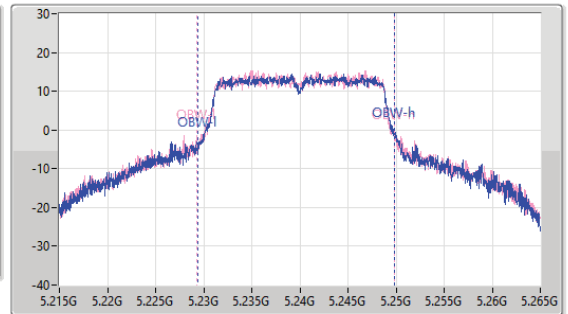
5240MHz

03/03/2023

CF
5.24GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.655M	5.2202G	5.259855G	20.503M	5.229381G	5.249885G	Inf	1
37.565M	5.221795G	5.25936G	20.619M	5.229243G	5.249862G	Inf	2

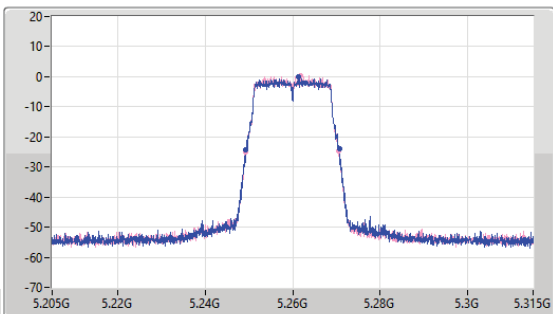
5.25-5.35GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

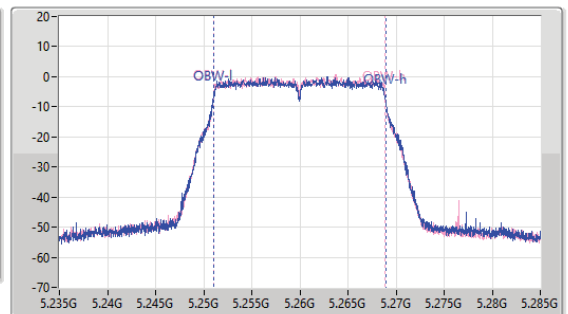
5260MHz

03/03/2023

CF
5.26GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.249275G	5.27067G	17.906M	5.251002G	5.268909G	Inf	1
21.34M	5.249165G	5.270505G	17.831M	5.251028G	5.268859G	Inf	2



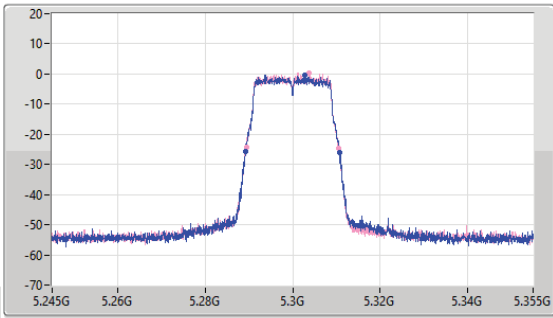
5.25-5.35GHz_802.11n_HT20_Nss2,(MCS0)_2TX

EBW

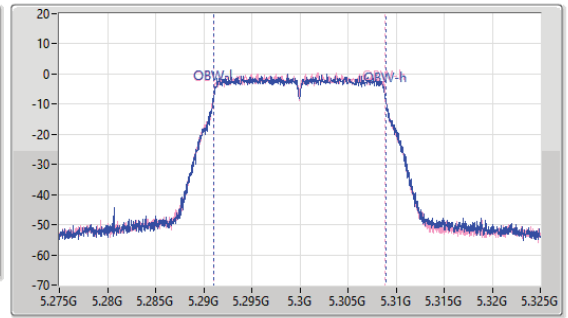
5300MHz

03/03/2023

CF: 5.3GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1: [Waveform icon]
 Port 2: [Waveform icon]



CF: 5.3GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.505M	5.289165G	5.31067G	17.891M	5.291012G	5.308902G	Inf	1
21.23M	5.289385G	5.310615G	17.816M	5.291038G	5.308854G	Inf	2

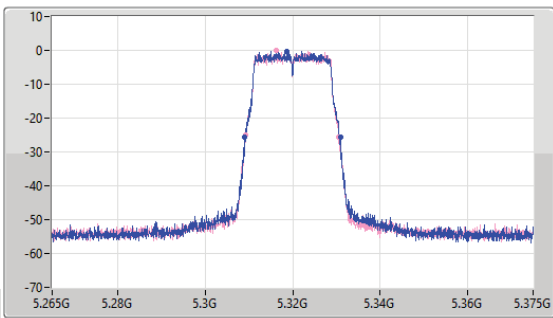
5.25-5.35GHz_802.11n_HT20_Nss2,(MCS0)_2TX

EBW

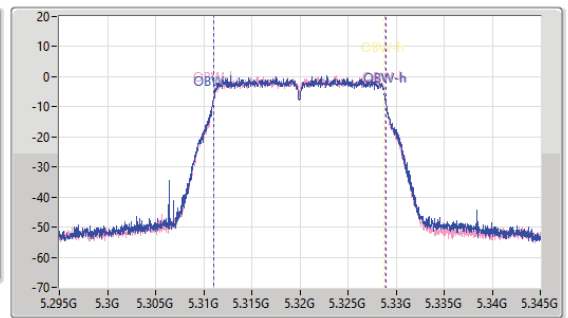
5320MHz

03/03/2023

CF: 5.32GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak
 Port 1: [Waveform icon]
 Port 2: [Waveform icon]



CF: 5.32GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.30911G	5.33089G	17.911M	5.311005G	5.328916G	Inf	1
21.23M	5.30933G	5.33056G	17.841M	5.311022G	5.328863G	Inf	2



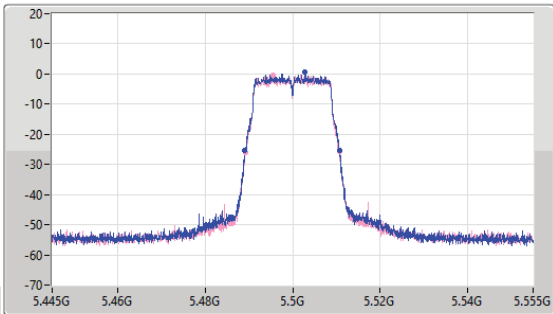
5.47-5.725GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

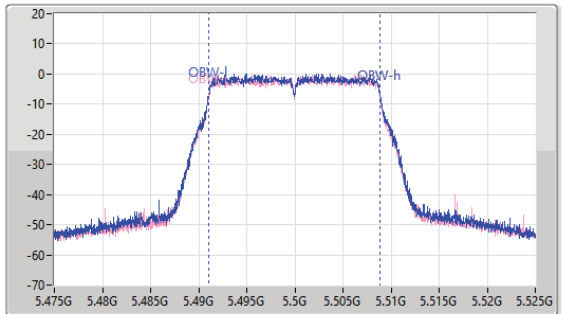
5500MHz

03/03/2023

CF: 5.5GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.5GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.615M	5.48911G	5.510725G	17.895M	5.491004G	5.508899G	Inf	1
21.505M	5.489165G	5.51067G	17.833M	5.491023G	5.508855G	Inf	2

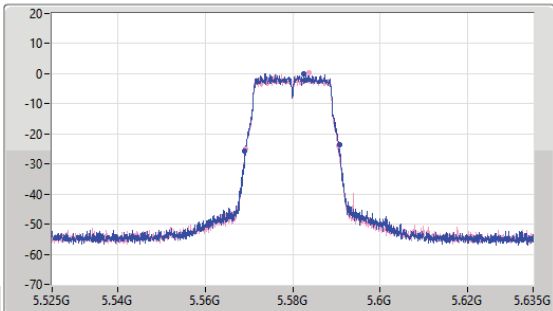
5.47-5.725GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

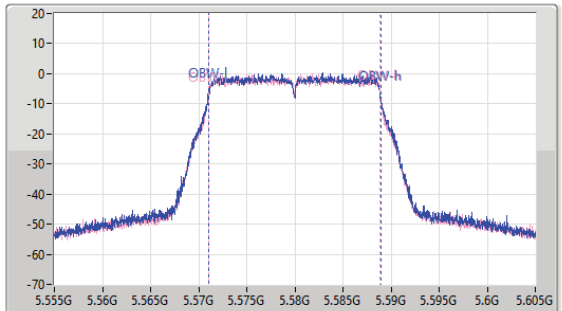
5580MHz

03/03/2023

CF: 5.58GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.58GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.56M	5.56911G	5.59067G	17.927M	5.570989G	5.588917G	Inf	1
21.285M	5.56922G	5.590505G	17.828M	5.571027G	5.588855G	Inf	2

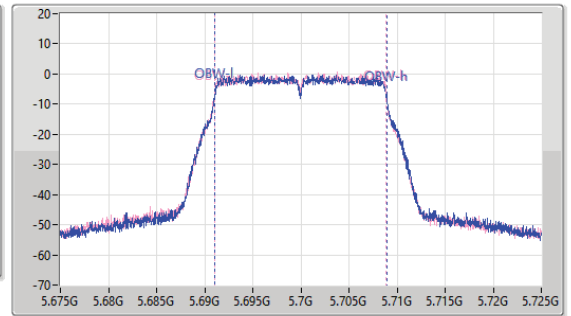
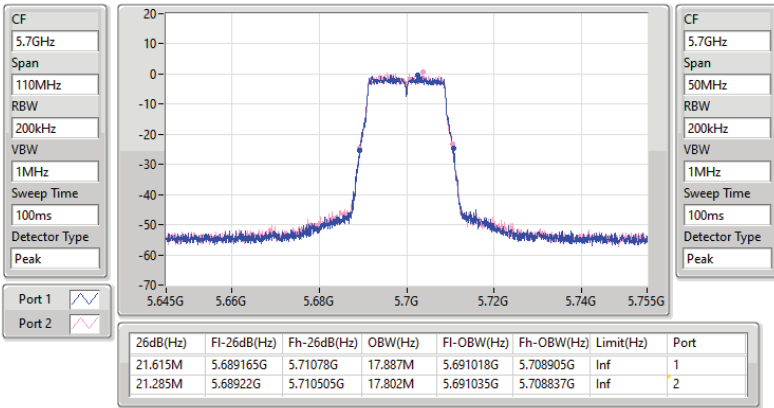


5.47-5.725GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

5700MHz

03/03/2023

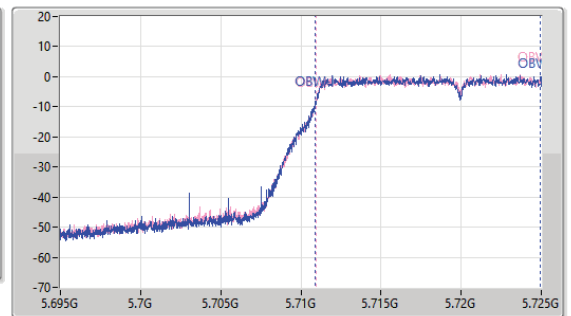
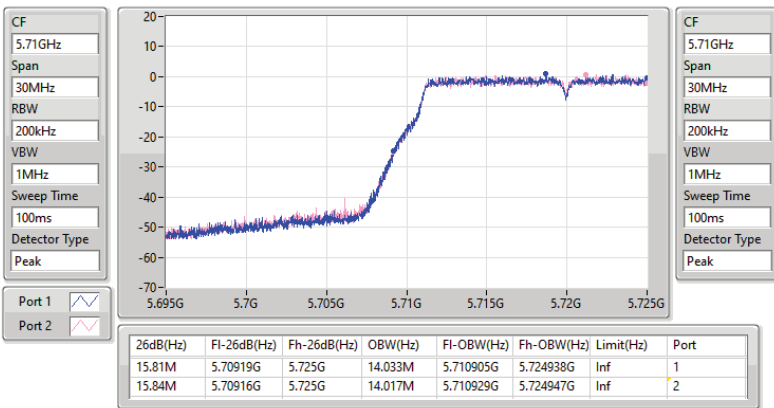


5.47-5.725GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/03/2023



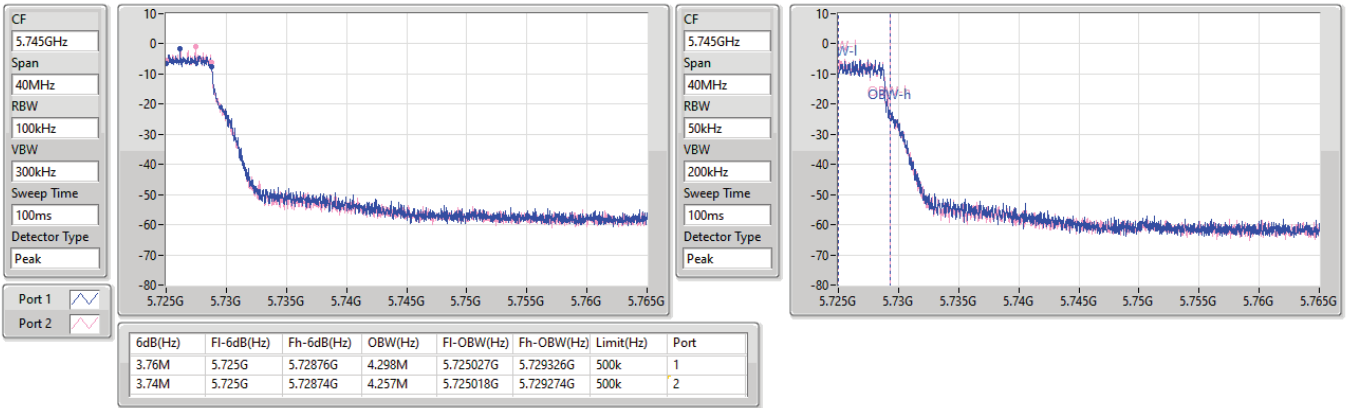


5.725-5.85GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023

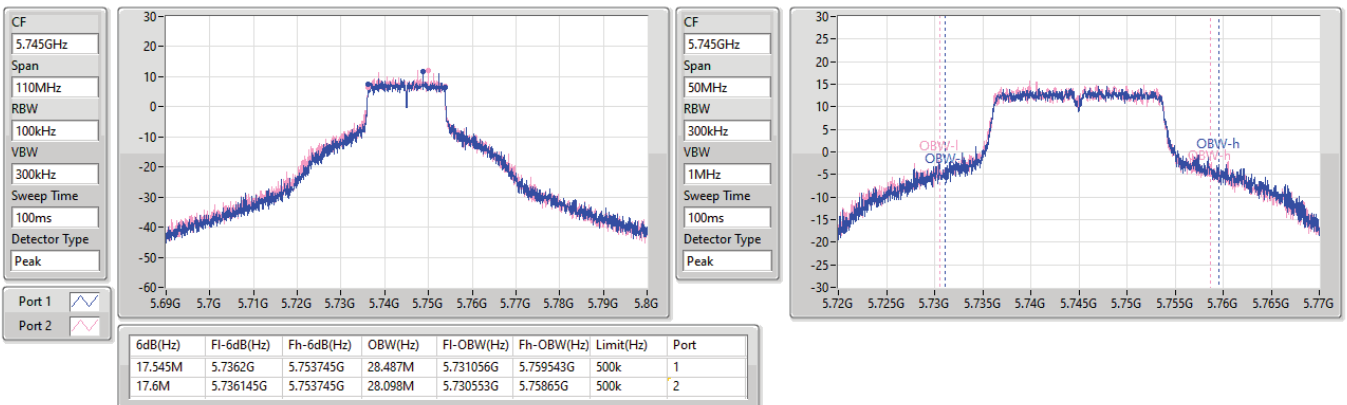


5.725-5.85GHz_802.11n HT20_Nss2,(MCS0)_2TX

EBW

5745MHz

03/03/2023



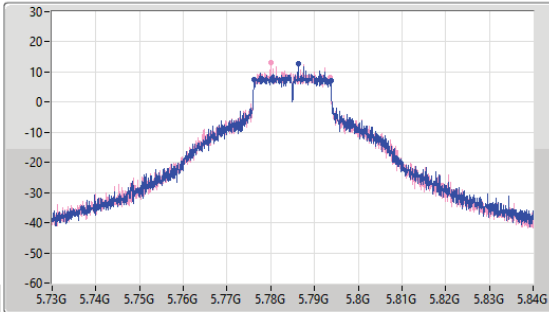
5.725-5.85GHz_802.11n_HT20_Nss2,(MCS0)_2TX

EBW

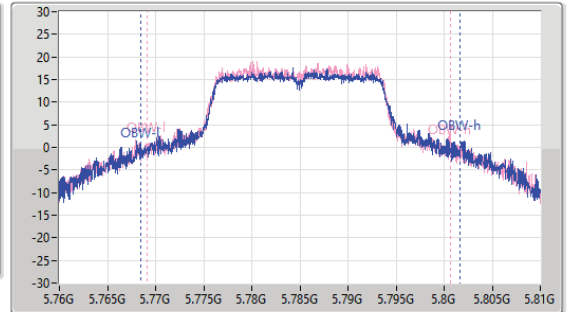
5785MHz

03/03/2023

CF
5.785GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.776145G	5.793745G	33.096M	5.768506G	5.801601G	500k	1
17.545M	5.776145G	5.79369G	31.574M	5.769134G	5.800708G	500k	2

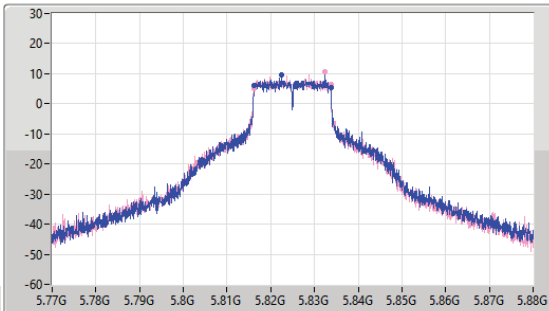
5.725-5.85GHz_802.11n_HT20_Nss2,(MCS0)_2TX

EBW

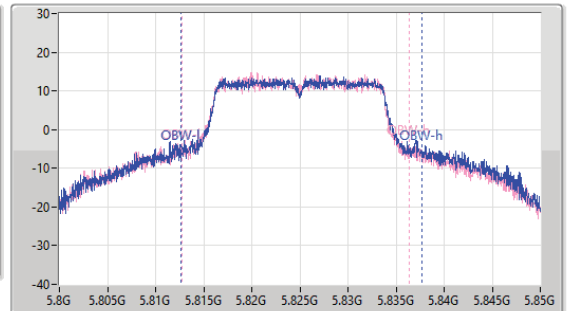
5825MHz

03/03/2023

CF
5.825GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	5.816145G	5.833745G	25.12M	5.812594G	5.837714G	500k	1
17.6M	5.816145G	5.833745G	23.632M	5.812784G	5.836416G	500k	2

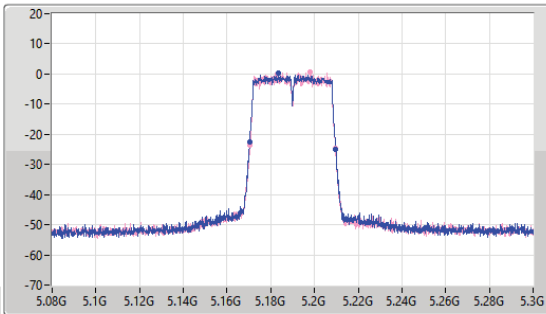
5.15-5.25GHz_802.11n_HT40_Nss2,(MCS0)_2TX

EBW

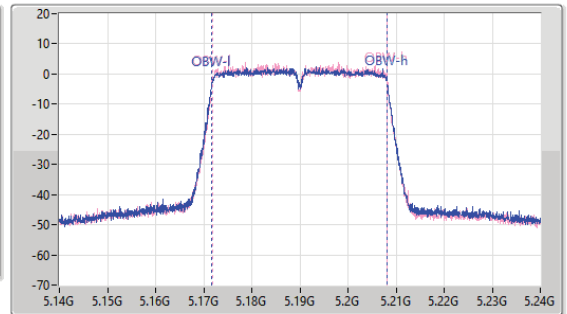
5190MHz

03/03/2023

CF: 5.19GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.19GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.1702G	5.2098G	36.395M	5.171742G	5.208136G	Inf	1
39.27M	5.17042G	5.20969G	36.259M	5.171834G	5.208092G	Inf	2

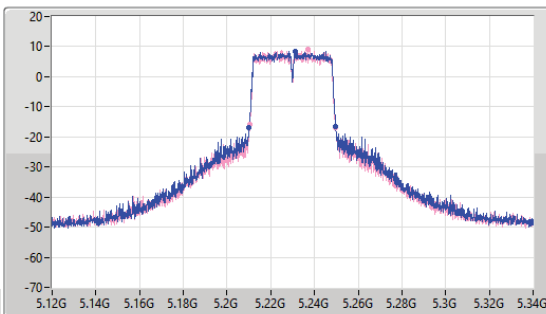
5.15-5.25GHz_802.11n_HT40_Nss2,(MCS0)_2TX

EBW

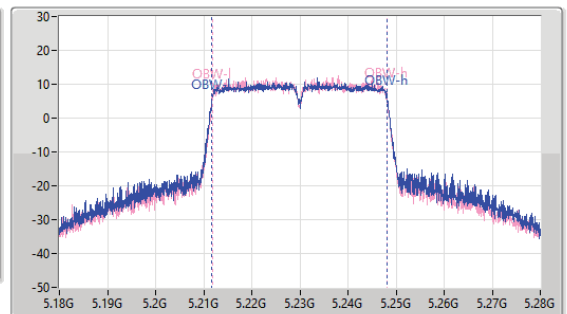
5230MHz

03/03/2023

CF: 5.23GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.23GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	5.20998G	5.2498G	36.535M	5.21169G	5.248225G	Inf	1
39.49M	5.21031G	5.2498G	36.372M	5.211792G	5.248163G	Inf	2



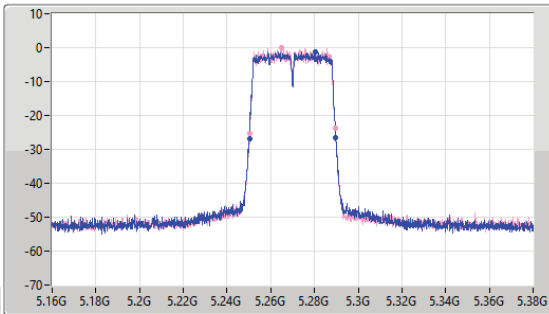
5.25-5.35GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

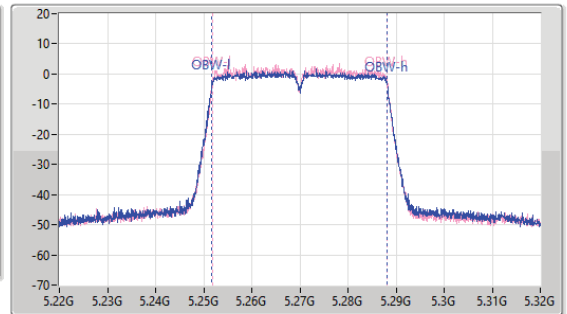
5270MHz

03/03/2023

CF
5.27GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2502G	5.2898G	36.412M	5.251747G	5.288159G	Inf	1
39.05M	5.25042G	5.28947G	36.311M	5.251822G	5.288133G	Inf	2

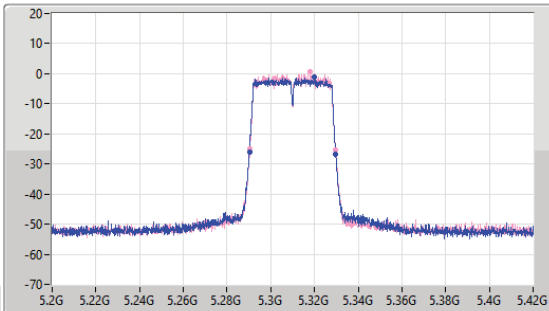
5.25-5.35GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

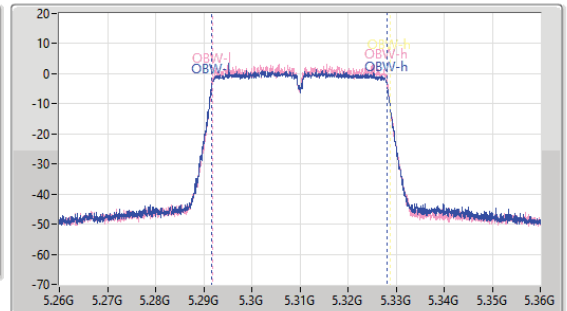
5310MHz

03/03/2023

CF
5.31GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



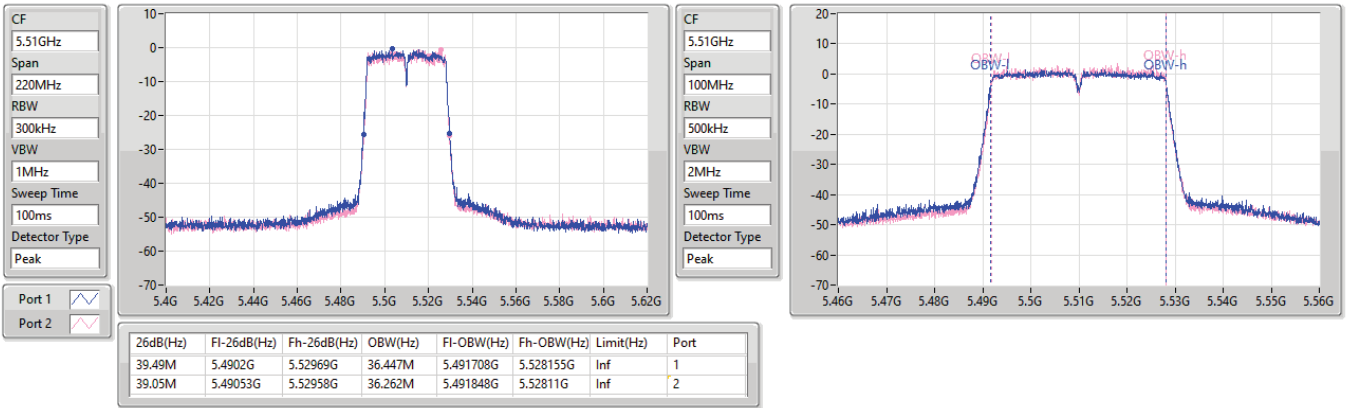
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2902G	5.3298G	36.426M	5.291711G	5.328137G	Inf	1
39.16M	5.29042G	5.32958G	36.292M	5.29182G	5.328112G	Inf	2

5.47-5.725GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5510MHz

03/03/2023

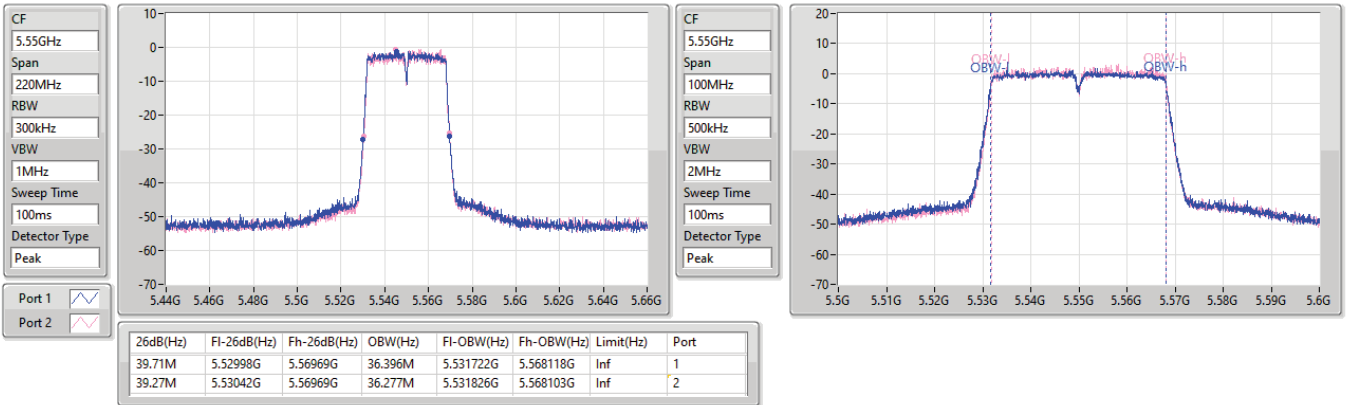


5.47-5.725GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5550MHz

03/03/2023

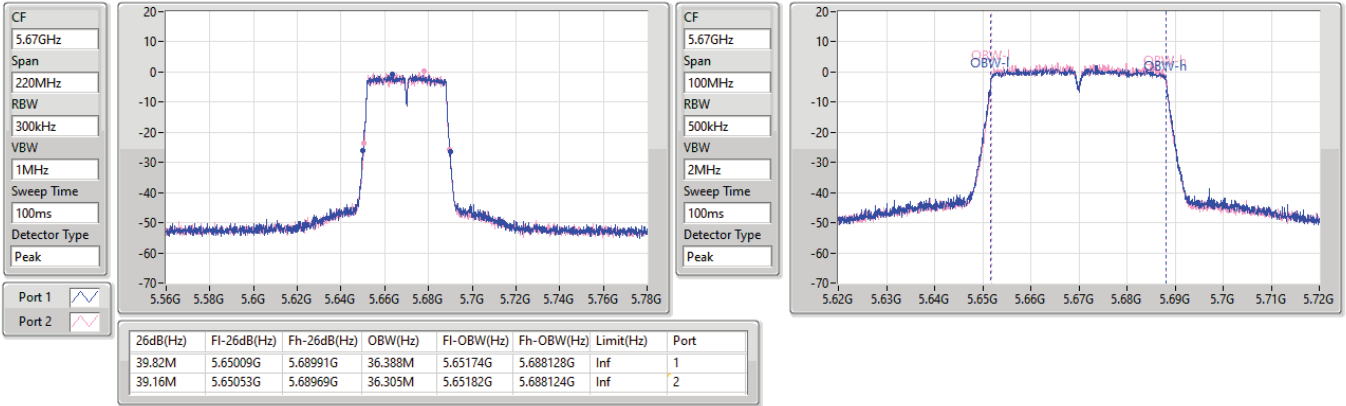


5.47-5.725GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5670MHz

03/03/2023

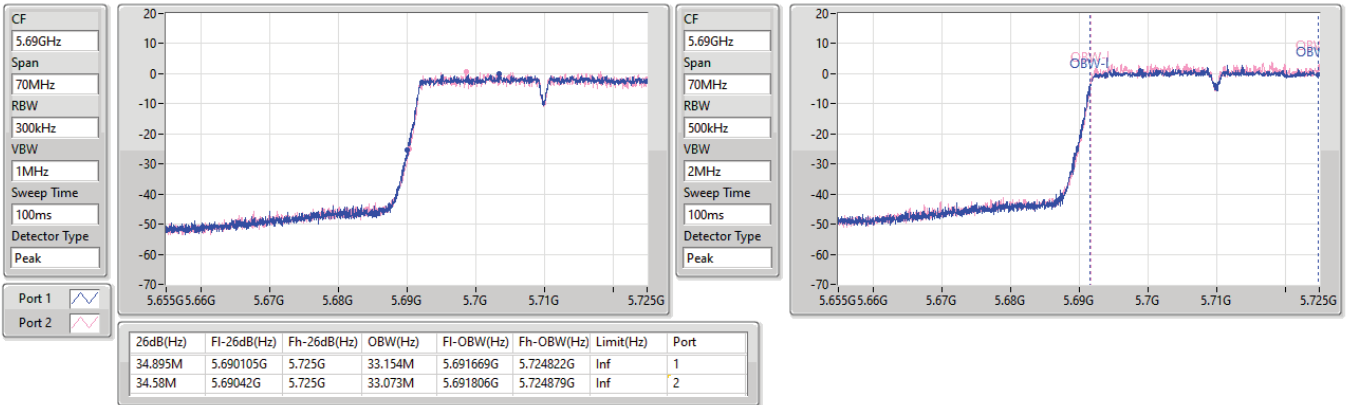


5.47-5.725GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/03/2023

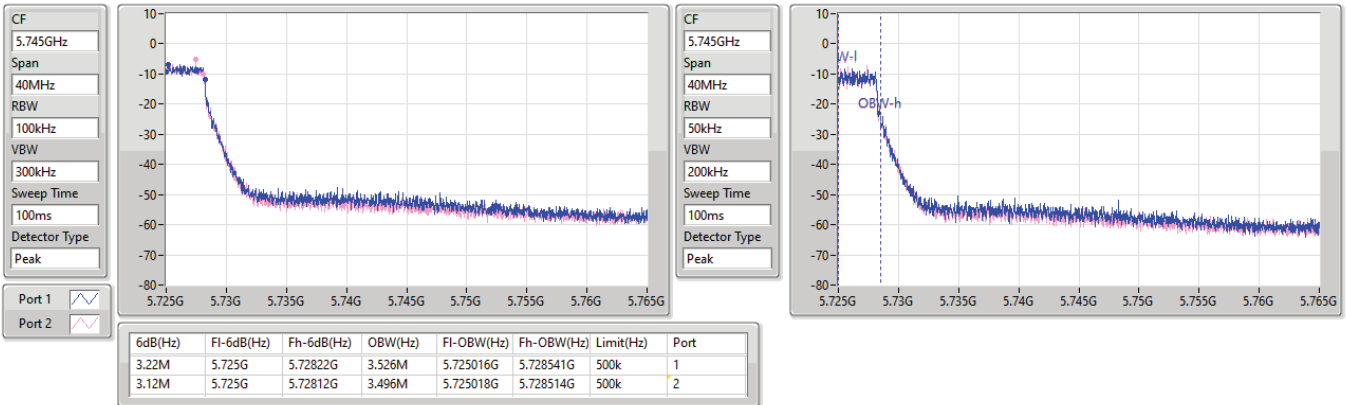


5.725-5.85GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/03/2023

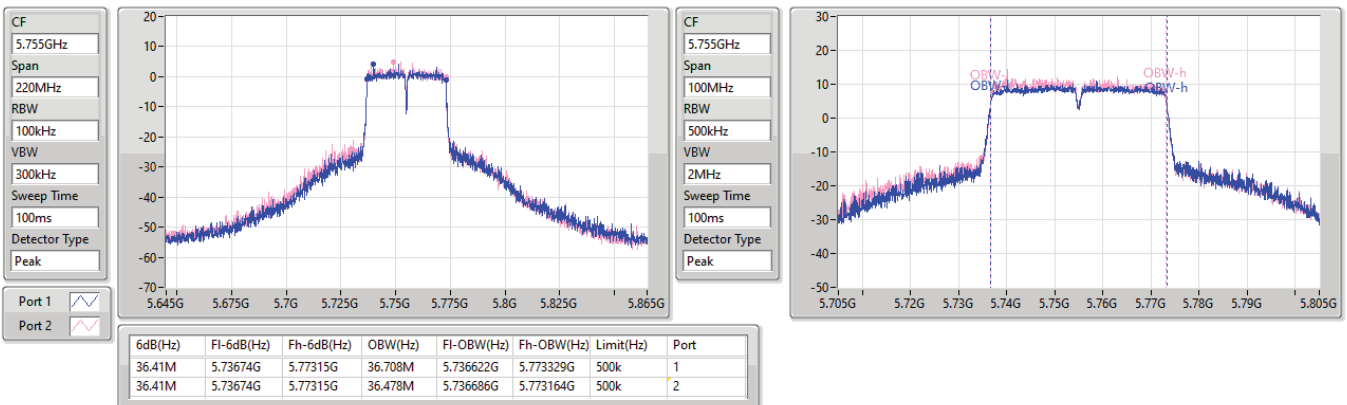


5.725-5.85GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5755MHz

03/03/2023

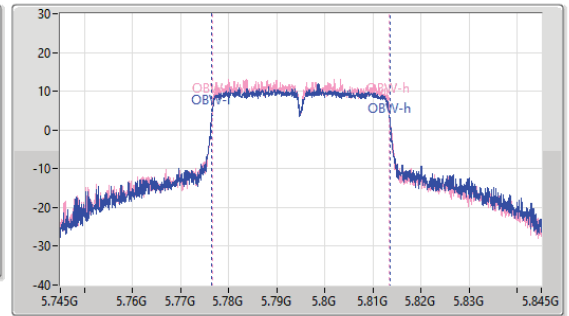
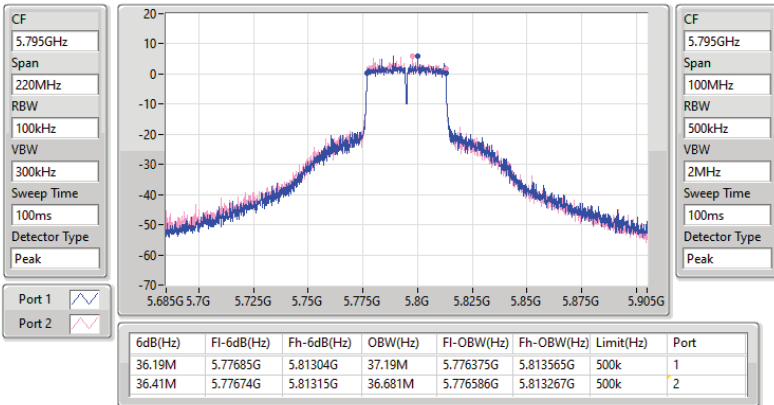


5.725-5.85GHz_802.11n HT40_Nss2,(MCS0)_2TX

EBW

5795MHz

03/03/2023

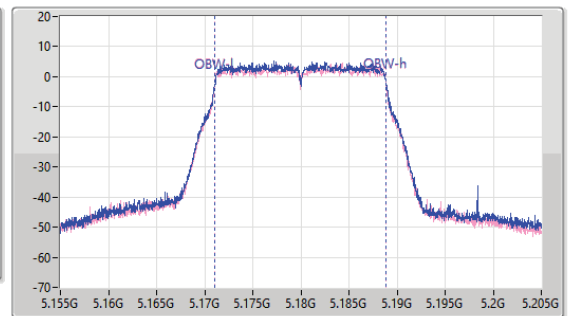
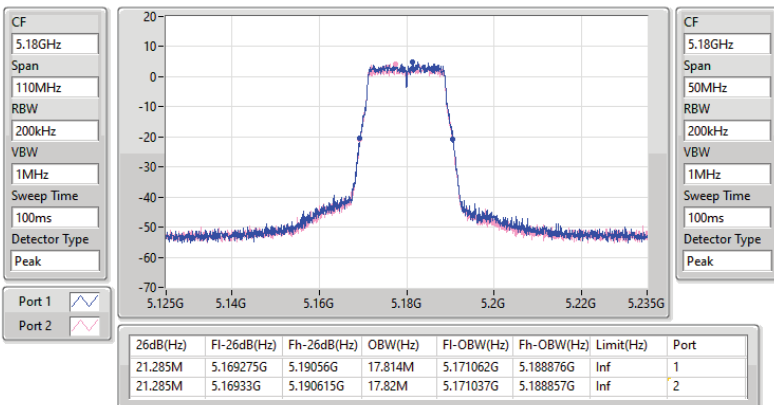


5.15-5.25GHz_802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

5180MHz

03/03/2023





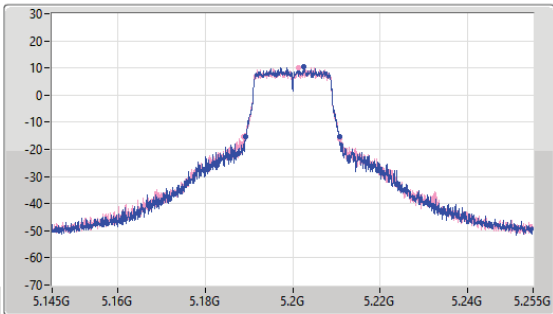
5.15-5.25GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

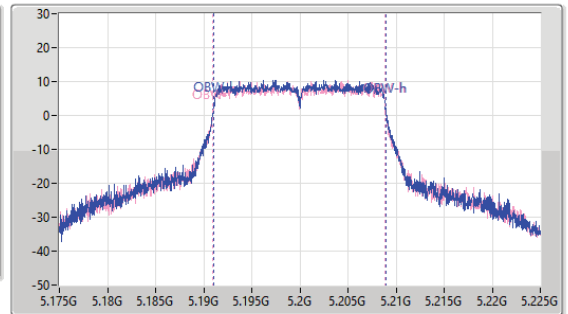
5200MHz

03/03/2023

CF
5.2GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.2GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.505M	5.189165G	5.21067G	17.894M	5.191009G	5.208902G	Inf	1
21.89M	5.188835G	5.210725G	17.921M	5.190971G	5.208893G	Inf	2

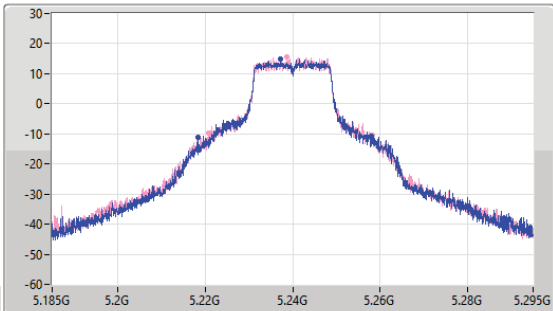
5.15-5.25GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

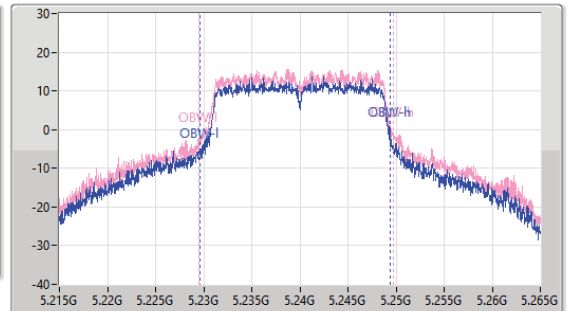
5240MHz

03/03/2023

CF
5.24GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.24GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.545M	5.218385G	5.25793G	19.826M	5.229574G	5.2494G	Inf	1
37.455M	5.220695G	5.25815G	20.152M	5.229537G	5.249689G	Inf	2



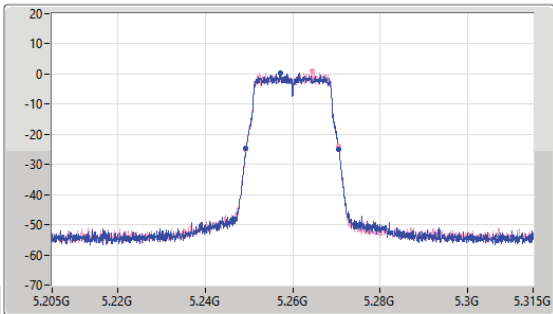
5.25-5.35GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

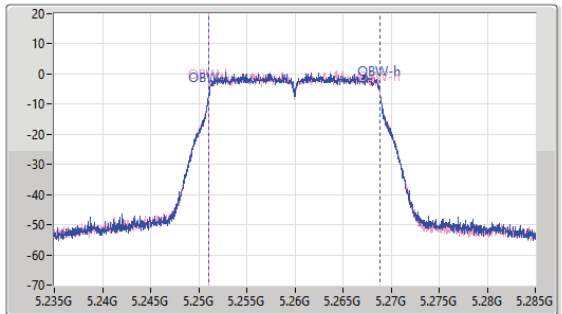
5260MHz

03/03/2023

CF
5.26GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.26GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.285M	5.24933G	5.270615G	17.814M	5.251061G	5.268874G	Inf	1
21.23M	5.24933G	5.27056G	17.811M	5.251048G	5.268859G	Inf	2

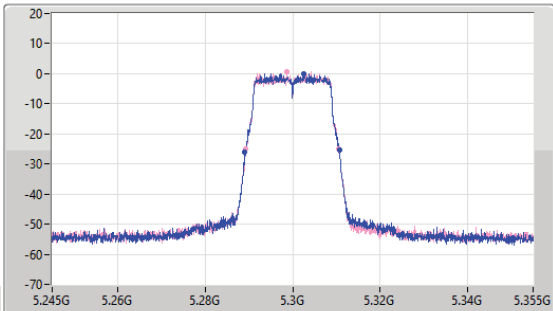
5.25-5.35GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

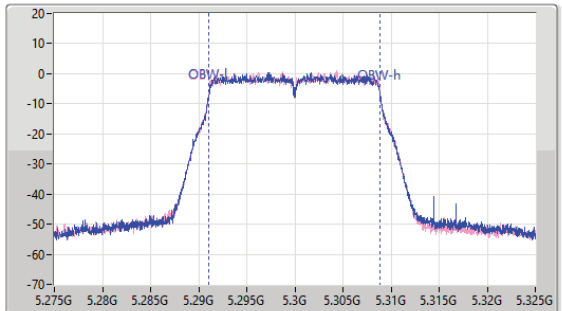
5300MHz

03/03/2023

CF
5.3GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.3GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.56M	5.28911G	5.31067G	17.811M	5.291056G	5.308866G	Inf	1
21.285M	5.28933G	5.310615G	17.809M	5.291054G	5.308863G	Inf	2

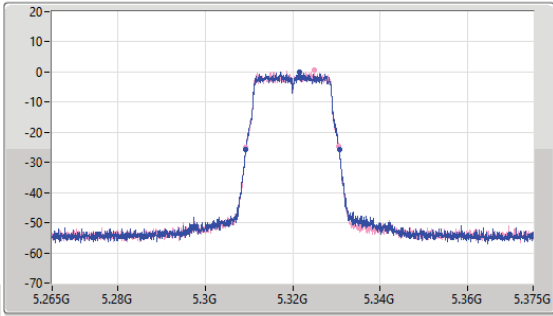
5.25-5.35GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

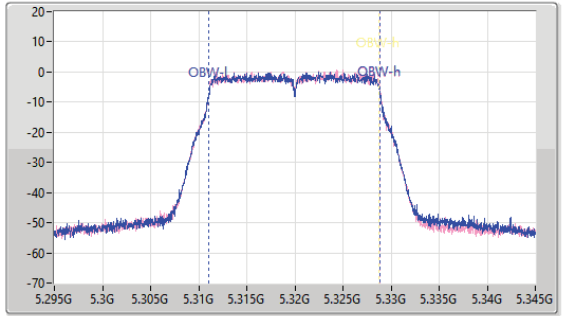
5320MHz

03/03/2023

CF
5.32GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.32GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.30933G	5.330725G	17.821M	5.31105G	5.328871G	Inf	1
21.285M	5.30933G	5.330615G	17.803M	5.311052G	5.328855G	Inf	2

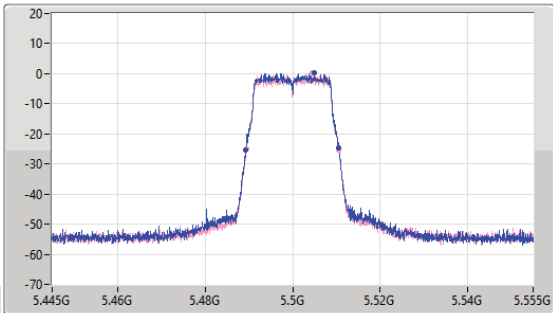
5.47-5.725GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

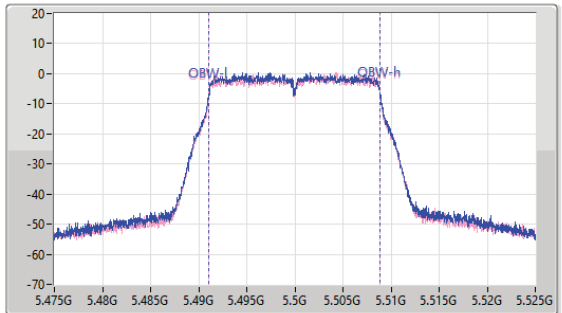
5500MHz

03/03/2023

CF
5.5GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.5GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.23M	5.489275G	5.510505G	17.826M	5.49105G	5.508876G	Inf	1
21.23M	5.489385G	5.510615G	17.814M	5.491056G	5.508871G	Inf	2



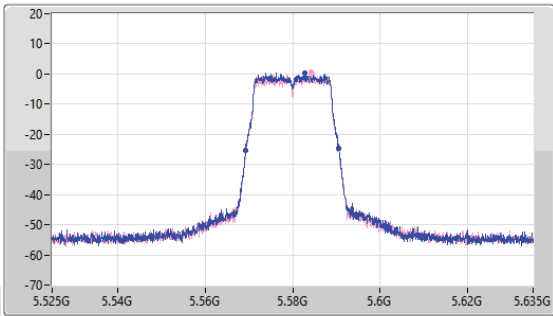
5.47-5.725GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

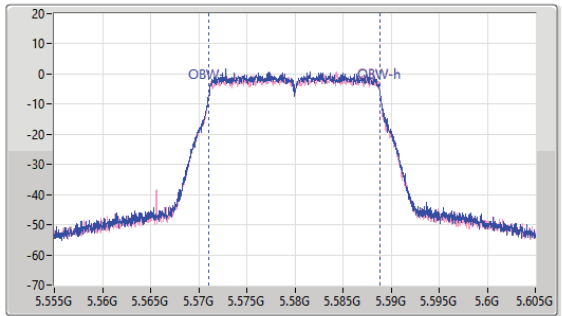
5580MHz

03/03/2023

CF
5.58GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
5.58GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.56922G	5.590615G	17.821M	5.571052G	5.588873G	Inf	1
21.34M	5.569275G	5.590615G	17.809M	5.571046G	5.588855G	Inf	2

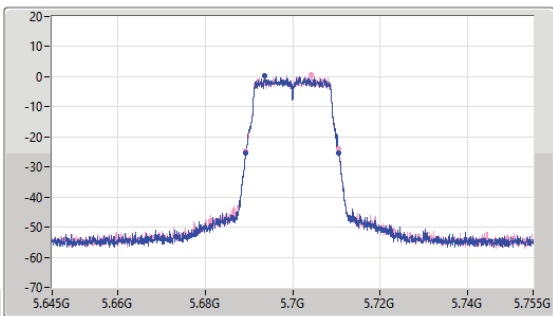
5.47-5.725GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

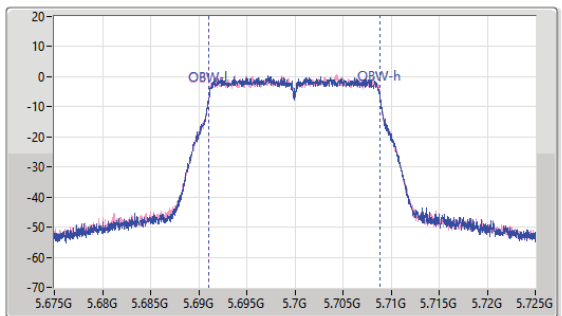
5700MHz

03/03/2023

CF
5.7GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
5.7GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.285M	5.689275G	5.71056G	17.816M	5.691047G	5.708863G	Inf	1
21.23M	5.689275G	5.710505G	17.808M	5.69104G	5.708848G	Inf	2



5.47-5.725GHz_802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/03/2023

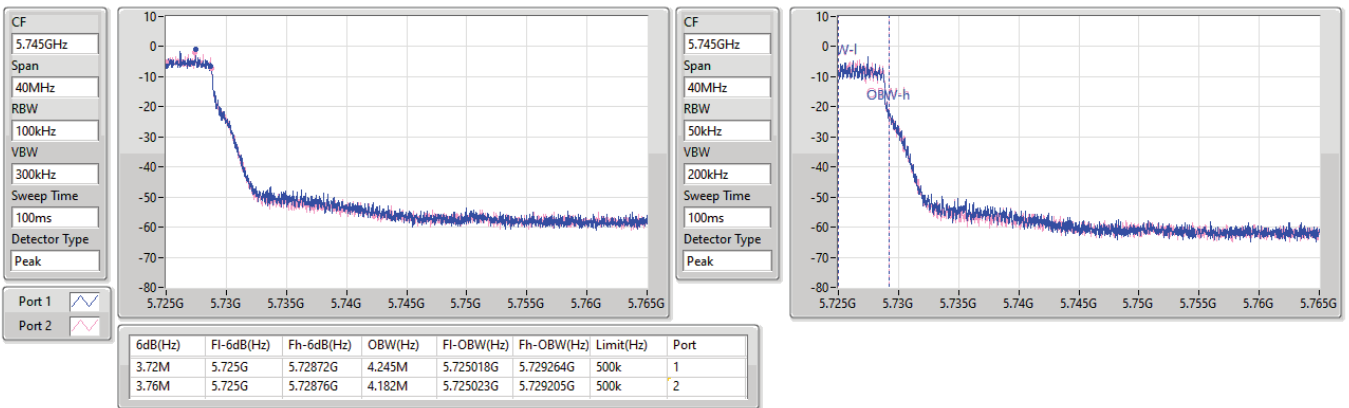


5.725-5.85GHz_802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023





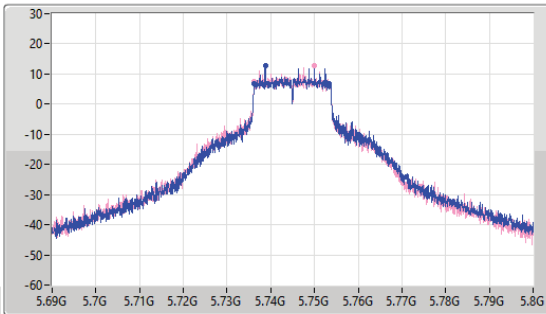
5.725-5.85GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

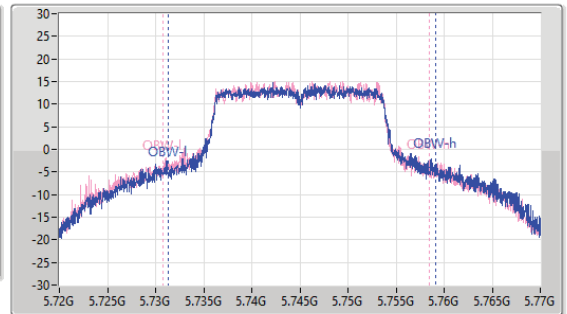
5745MHz

03/03/2023

CF: 5.745GHz
 Span: 110MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.745GHz
 Span: 50MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.16M	5.7362G	5.75336G	27.857M	5.731315G	5.759171G	500k	1
17.105M	5.7362G	5.753305G	27.619M	5.730806G	5.758425G	500k	2

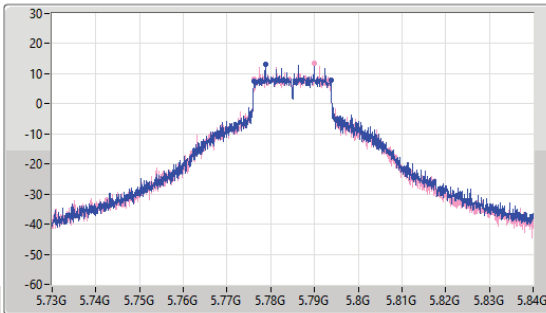
5.725-5.85GHz_802.11ac_VHT20_Nss2,(MCS0)_2TX

EBW

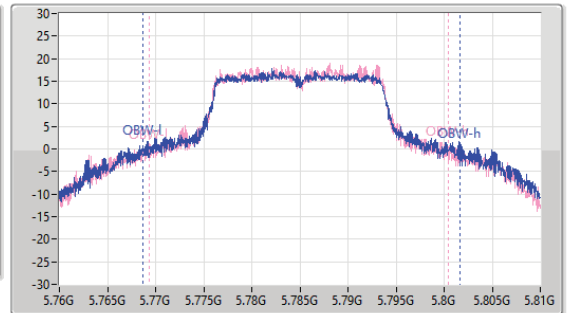
5785MHz

03/03/2023

CF: 5.785GHz
 Span: 110MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.785GHz
 Span: 50MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.545M	5.7762G	5.793745G	32.981M	5.76865G	5.801631G	500k	1
17.215M	5.7762G	5.793415G	31.073M	5.769379G	5.800451G	500k	2

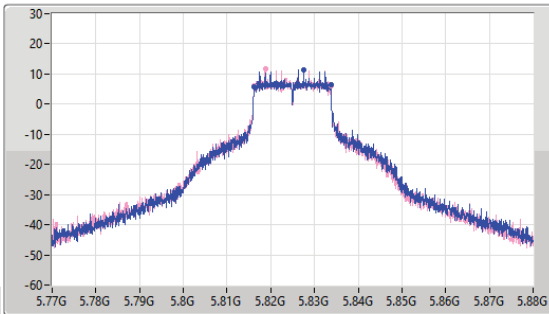
5.725-5.85GHz_802.11ac VHT20_Nss2,(MCS0)_2TX

EBW

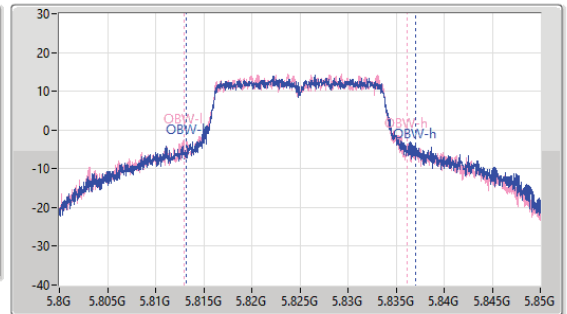
5825MHz

03/03/2023

CF
5.825GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.545M	5.8162G	5.833745G	23.849M	5.813138G	5.836988G	500k	1
17.545M	5.8162G	5.833745G	23.271M	5.812925G	5.836196G	500k	2

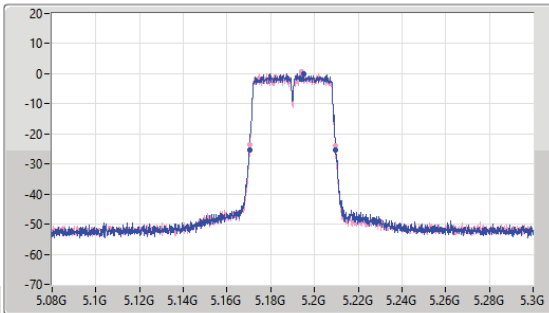
5.15-5.25GHz_802.11ac VHT40_Nss2,(MCS0)_2TX

EBW

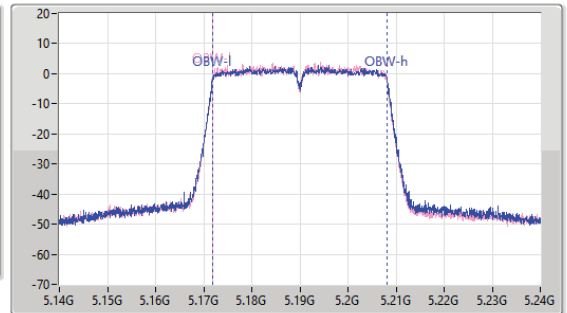
5190MHz

03/03/2023

CF
5.19GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.1702G	5.2098G	36.4M	5.1718G	5.2082G	Inf	1
39.16M	5.17042G	5.20958G	36.266M	5.171831G	5.208097G	Inf	2



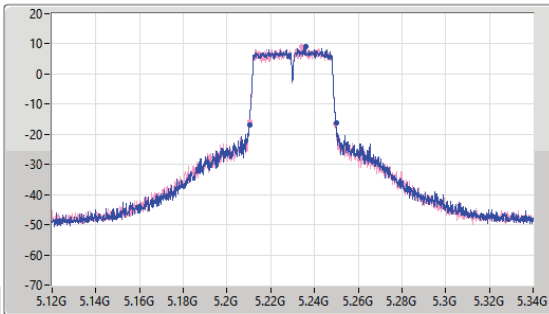
5.15-5.25GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

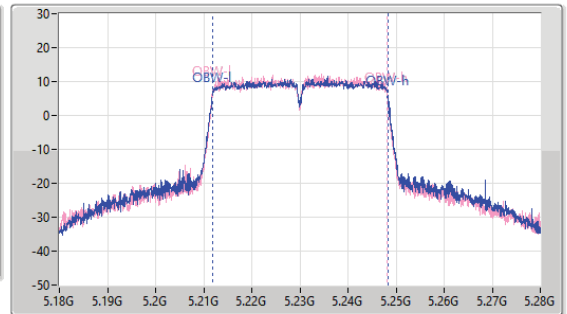
5230MHz

03/03/2023

CF
5.23GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.2102G	5.24991G	36.543M	5.211762G	5.248305G	Inf	1
39.38M	5.21031G	5.24969G	36.309M	5.211812G	5.24812G	Inf	2

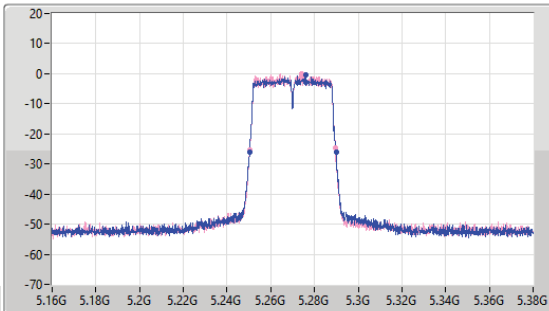
5.25-5.35GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

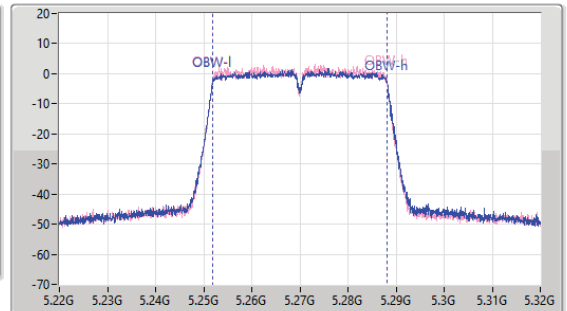
5270MHz

03/03/2023

CF
5.27GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.2502G	5.28991G	36.418M	5.251789G	5.288208G	Inf	1
39.16M	5.25042G	5.28958G	36.235M	5.251852G	5.288087G	Inf	2



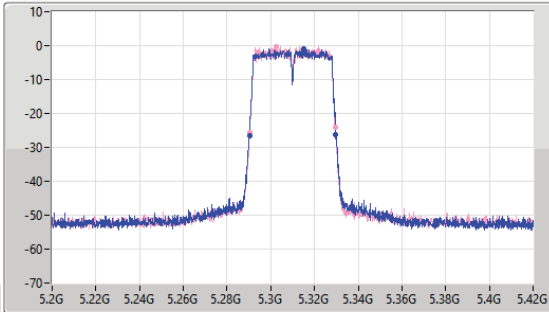
5.25-5.35GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

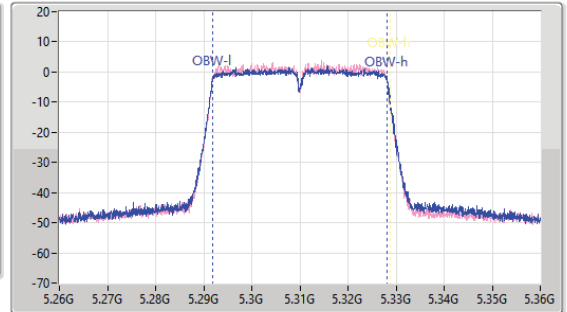
5310MHz

03/03/2023

CF
5.31GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.49M	5.2902G	5.32969G	36.438M	5.291777G	5.328215G	Inf	1
39.27M	5.29031G	5.32958G	36.256M	5.291858G	5.328114G	Inf	2

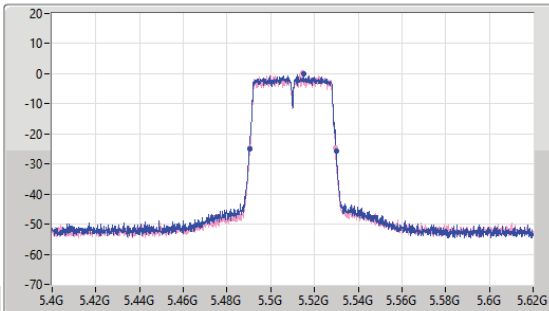
5.47-5.725GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

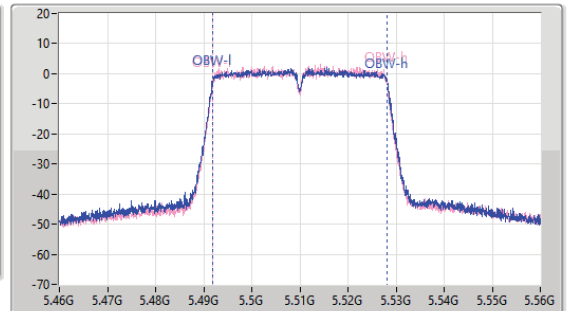
5510MHz

03/03/2023

CF
5.51GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.51GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.4902G	5.52991G	36.449M	5.491766G	5.528215G	Inf	1
39.27M	5.49042G	5.52969G	36.25M	5.491857G	5.528107G	Inf	2



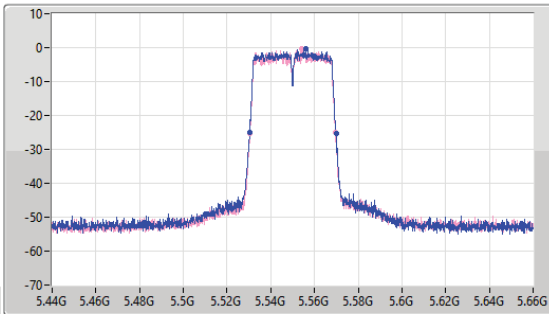
5.47-5.725GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

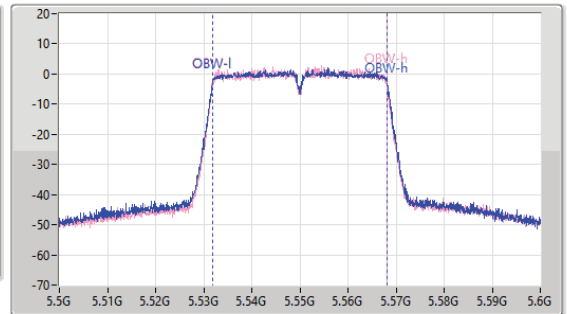
5550MHz

03/03/2023

CF
5.55GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.55GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.53031G	5.56991G	36.435M	5.531787G	5.568222G	Inf	1
39.05M	5.53042G	5.56947G	36.246M	5.531849G	5.568095G	Inf	2

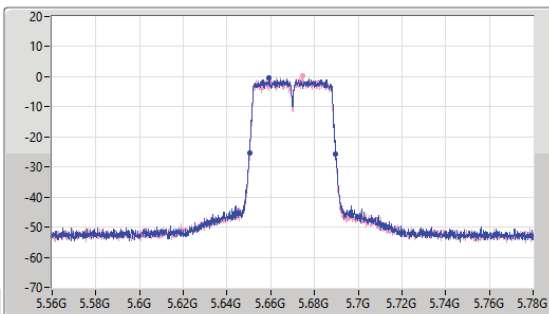
5.47-5.725GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

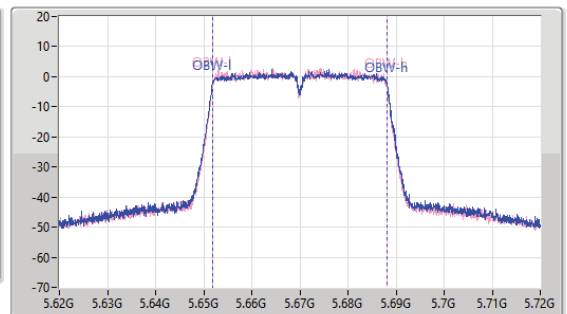
5670MHz

03/03/2023

CF
5.67GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.49M	5.6502G	5.68969G	36.43M	5.651772G	5.688201G	Inf	1
39.16M	5.65042G	5.68958G	36.257M	5.651843G	5.6881G	Inf	2

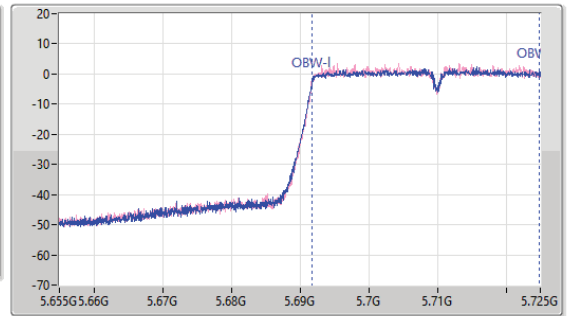
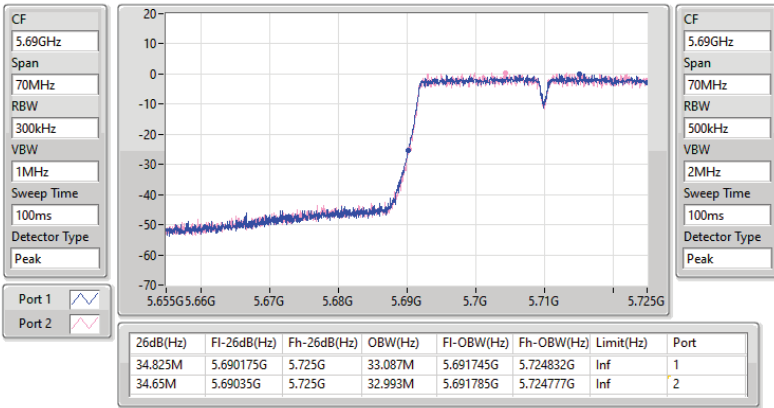


5.47-5.725GHz_802.11ac VHT40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

03/03/2023

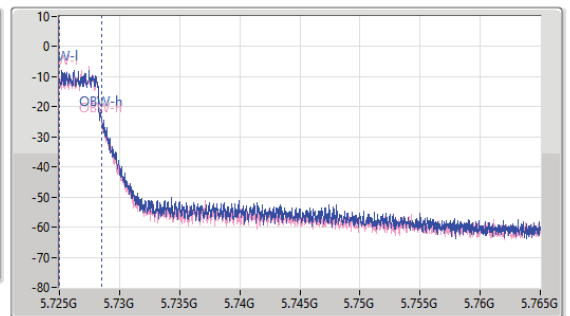
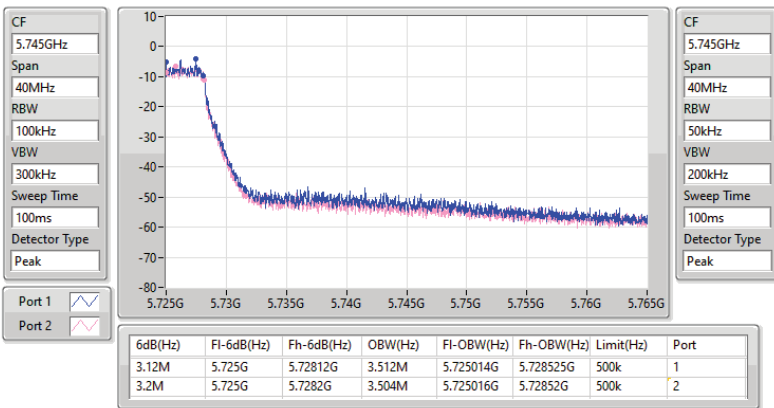


5.725-5.85GHz_802.11ac VHT40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/03/2023





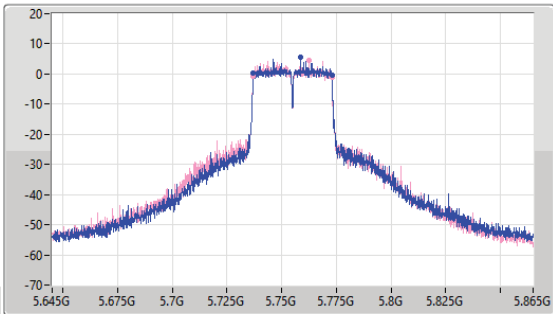
5.725-5.85GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

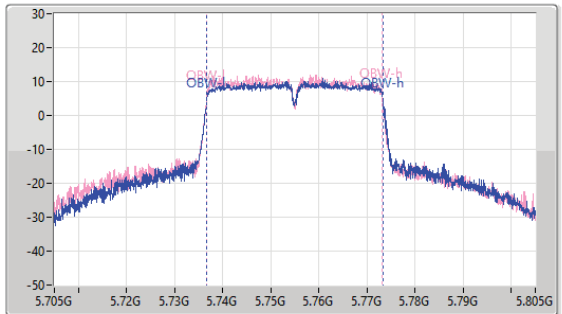
5755MHz

03/03/2023

CF
5.755GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.755GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.08M	5.73707G	5.77315G	36.684M	5.736669G	5.773352G	500k	1
36.41M	5.73674G	5.77315G	36.432M	5.73669G	5.773122G	500k	2

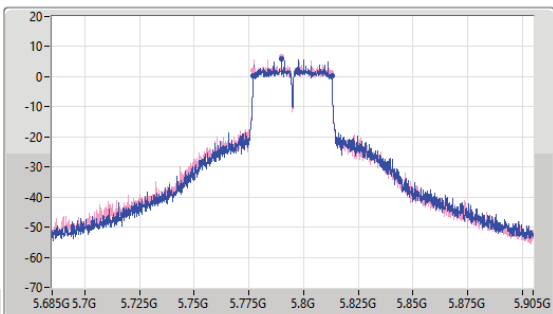
5.725-5.85GHz_802.11ac_VHT40_Nss2,(MCS0)_2TX

EBW

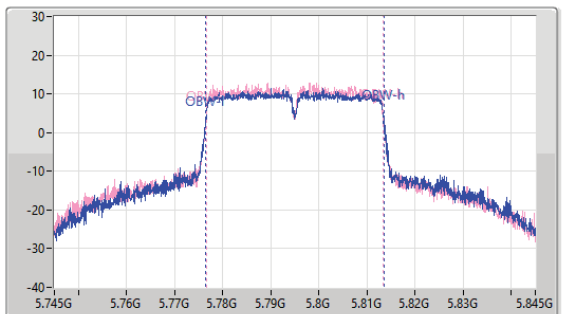
5795MHz

03/03/2023

CF
5.795GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	5.77685G	5.81315G	37.125M	5.776439G	5.813564G	500k	1
35.97M	5.77685G	5.81282G	36.654M	5.776591G	5.813245G	500k	2



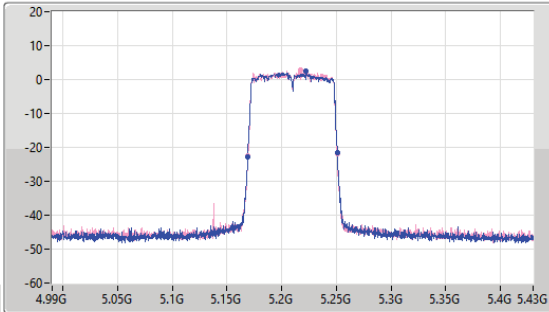
5.15-5.25GHz_802.11ac_VHT80_Nss2,(MCS0)_2TX

EBW

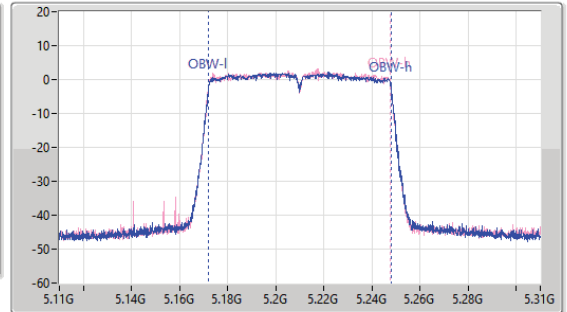
5210MHz

03/03/2023

CF
5.21GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.21GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.16886G	5.25092G	75.752M	5.172151G	5.247904G	Inf	1
81.84M	5.16886G	5.2507G	75.62M	5.17213G	5.24775G	Inf	2

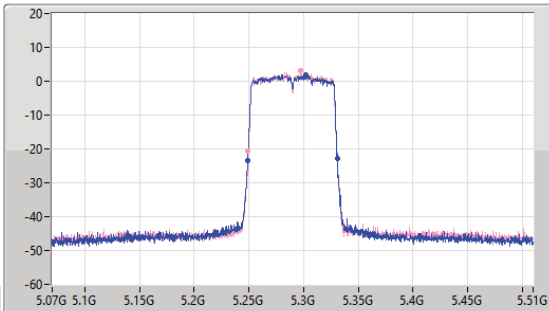
5.25-5.35GHz_802.11ac_VHT80_Nss2,(MCS0)_2TX

EBW

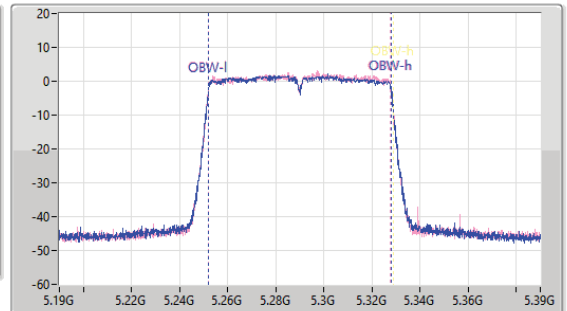
5290MHz

03/03/2023

CF
5.29GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	5.24886G	5.33114G	75.79M	5.252159G	5.327949G	Inf	1
81.62M	5.2493G	5.33092G	75.631M	5.252164G	5.327795G	Inf	2

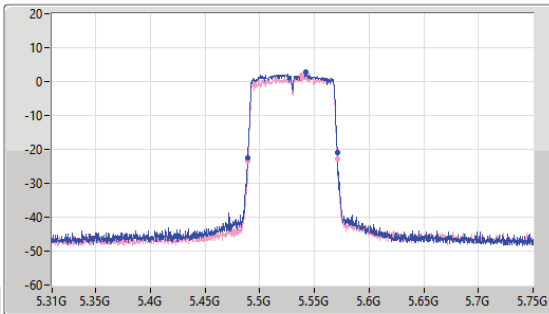
5.47-5.725GHz_802.11ac_VHT80_Nss2,(MCS0)_2TX

EBW

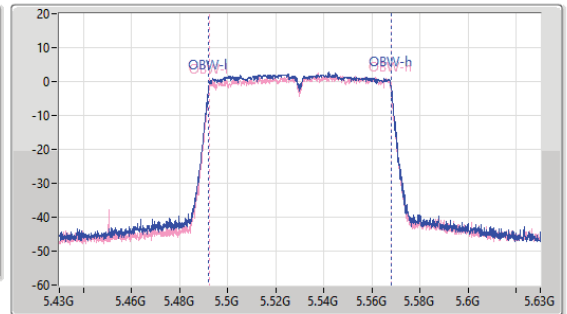
5530MHz

03/03/2023

CF
5.53GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.48886G	5.57092G	75.78M	5.492147G	5.567928G	Inf	1
81.84M	5.48908G	5.57092G	75.577M	5.492232G	5.567809G	Inf	2

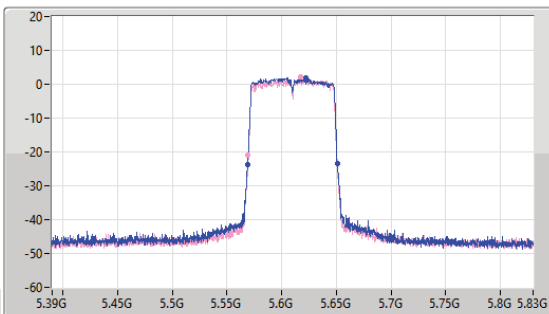
5.47-5.725GHz_802.11ac_VHT80_Nss2,(MCS0)_2TX

EBW

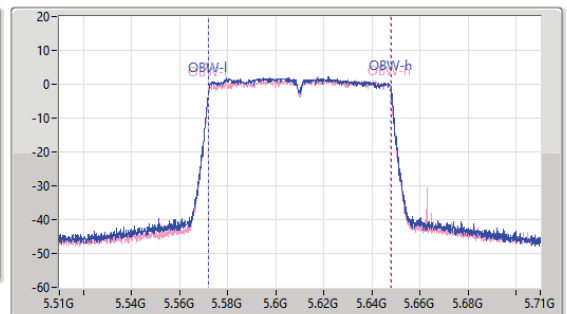
5610MHz

03/03/2023

CF
5.61GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.56864G	5.6507G	75.796M	5.57211G	5.647906G	Inf	1
81.62M	5.5693G	5.65092G	75.59M	5.572189G	5.64778G	Inf	2

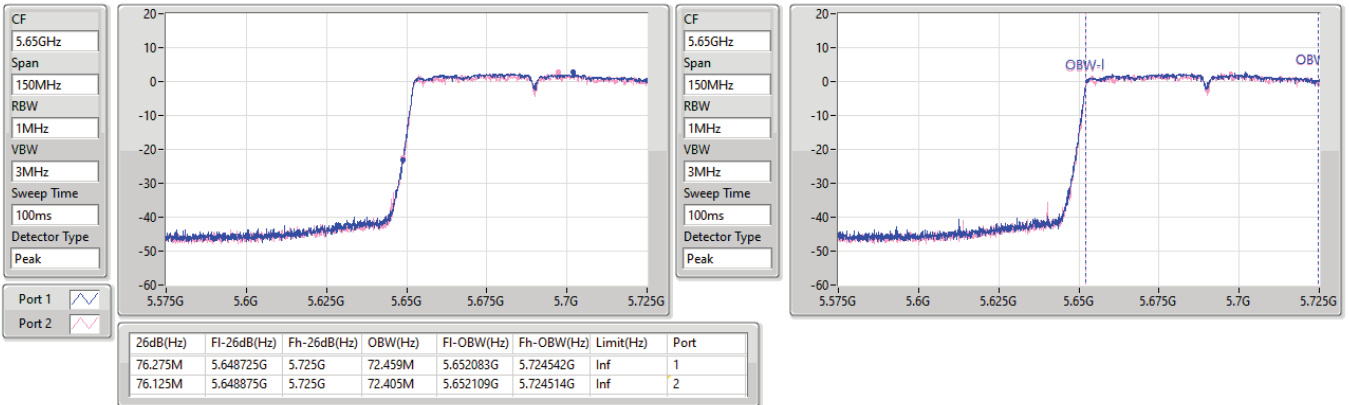


5.47-5.725GHz_802.11ac VHT80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

03/03/2023

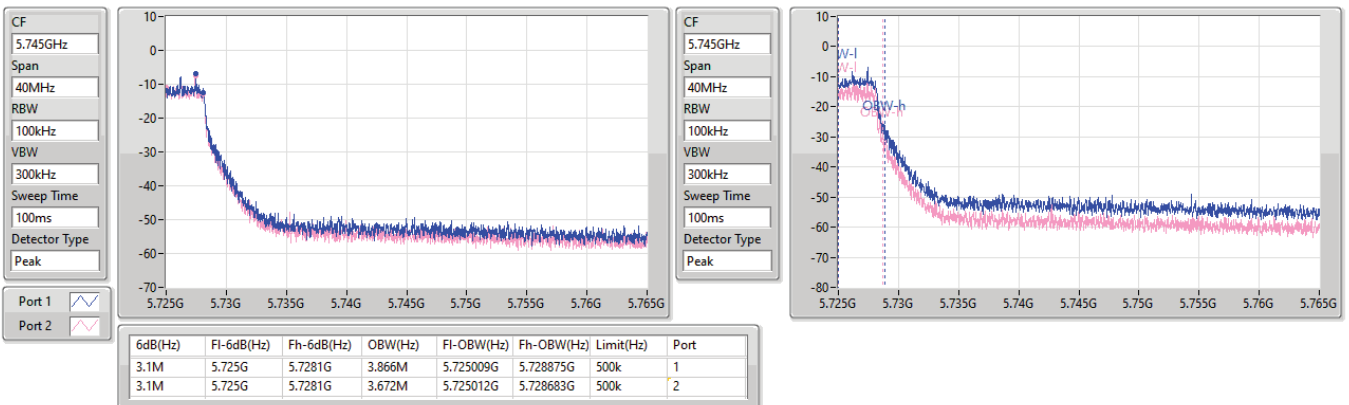


5.725-5.85GHz_802.11ac VHT80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/03/2023





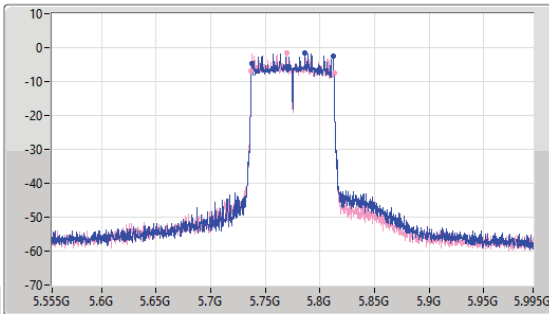
5.725-5.85GHz_802.11ac VHT80_Nss2,(MCS0)_2TX

EBW

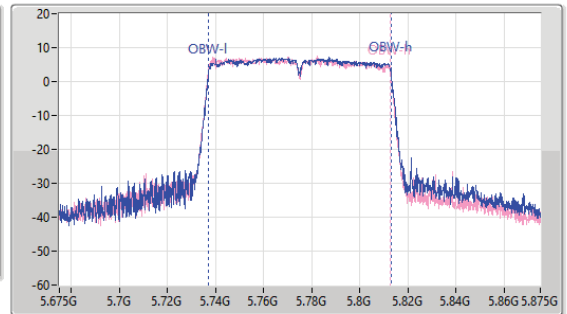
5775MHz

03/03/2023

CF
5.775GHz
Span
440MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.775GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.02M	5.73738G	5.8124G	75.703M	5.737142G	5.812845G	500k	1
75.9M	5.73694G	5.81284G	75.658M	5.737002G	5.81266G	500k	2

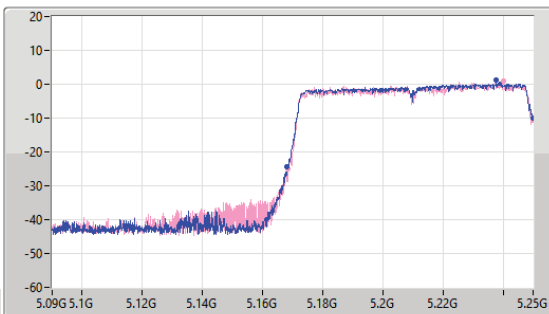
5.15-5.25GHz_802.11ac VHT160_Nss2,(MCS0)_2TX

EBW

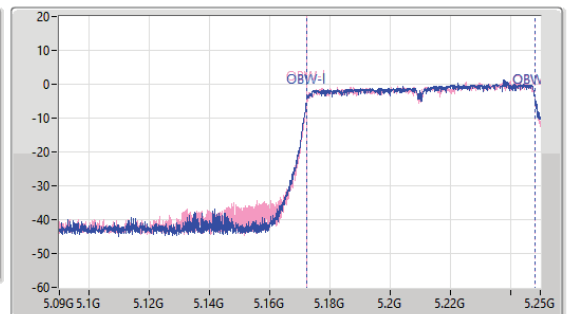
5250MHz Straddle 5.15-5.25GHz

03/03/2023

CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.17GHz
Span
160MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



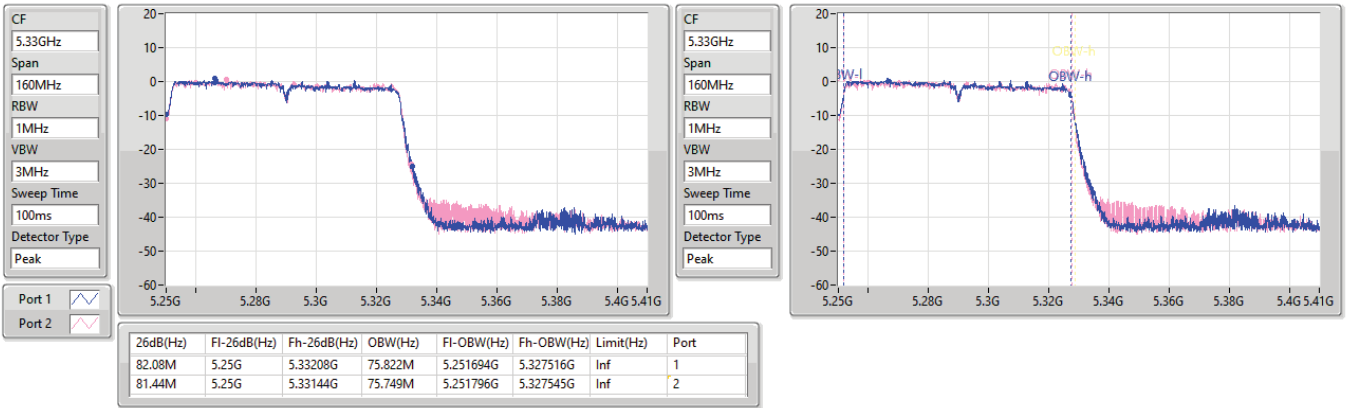
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.76M	5.16824G	5.25G	75.974M	5.172344G	5.248317G	Inf	1
81.68M	5.16832G	5.25G	75.931M	5.172332G	5.248263G	Inf	2

5.25-5.35GHz_802.11ac_VHT160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

03/03/2023

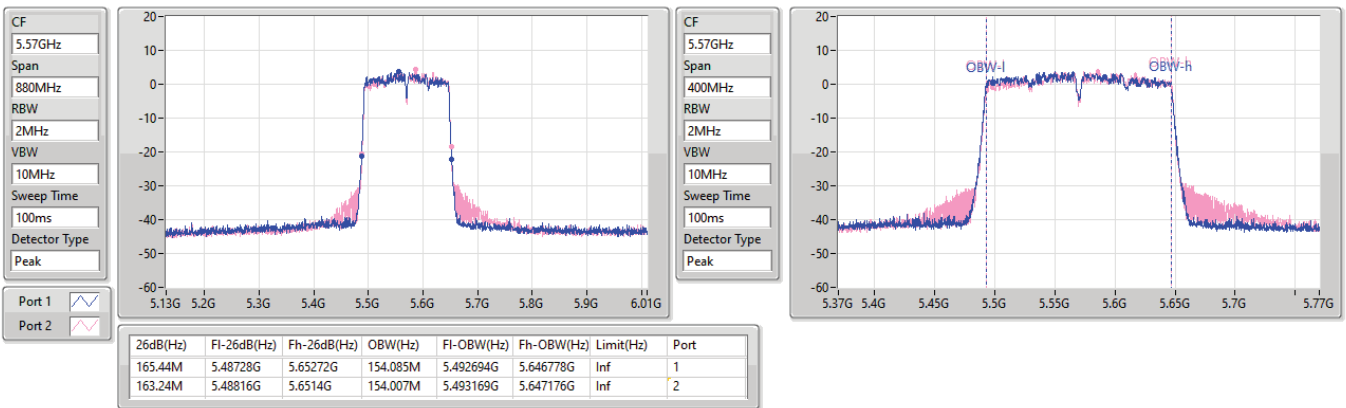


5.47-5.725GHz_802.11ac_VHT160_Nss2,(MCS0)_2TX

EBW

5570MHz

03/03/2023



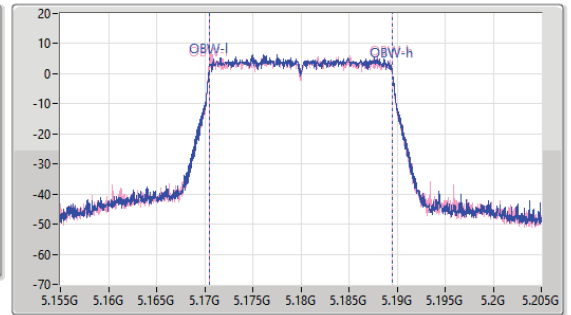
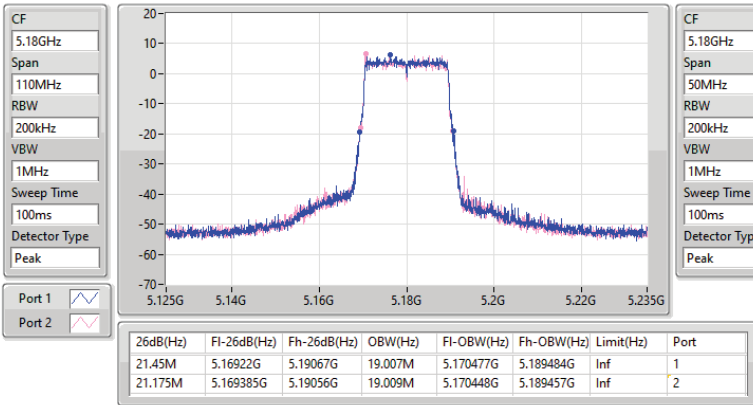


5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5180MHz

03/03/2023

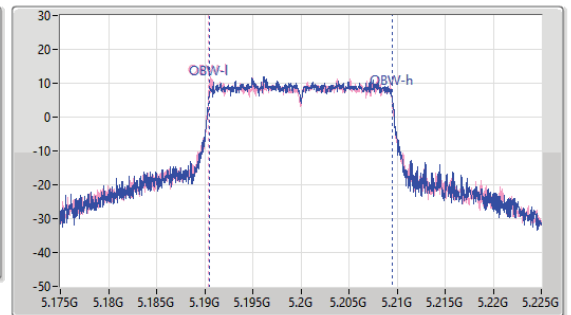
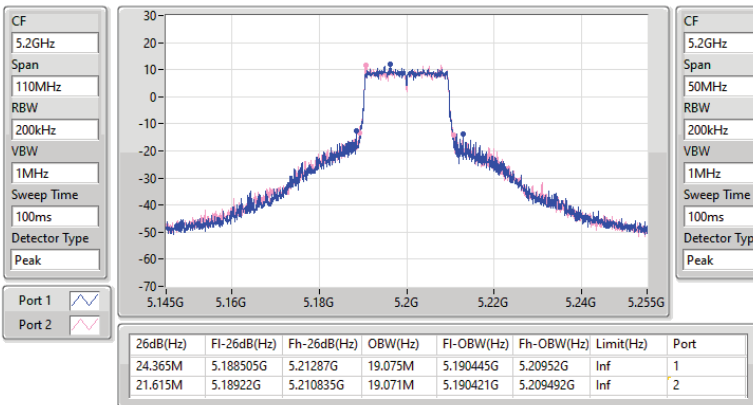


5.15-5.25GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5200MHz

03/03/2023

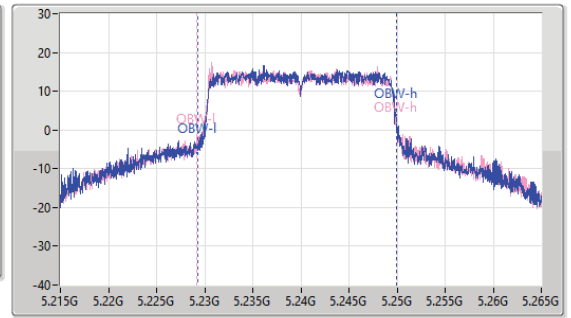
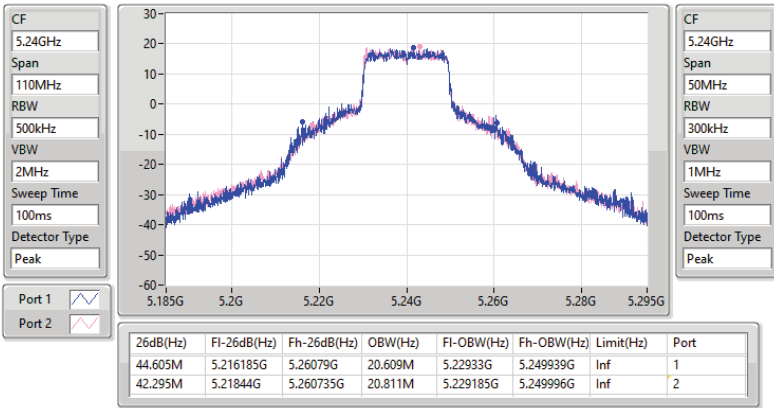


5.15-5.25GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5240MHz

03/03/2023

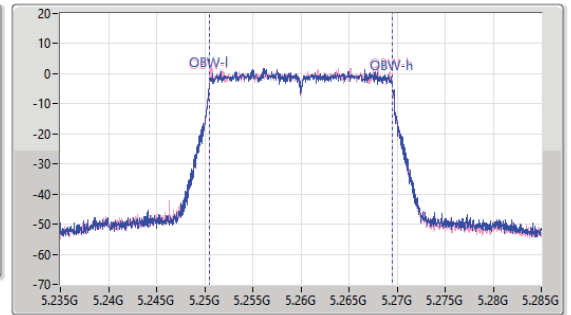
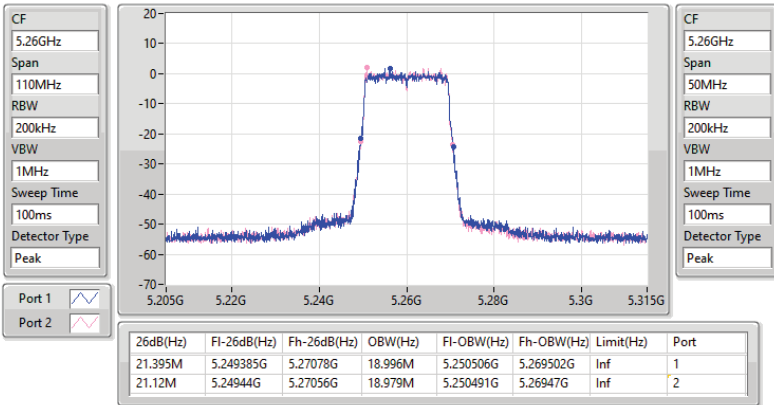


5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

5260MHz

03/03/2023





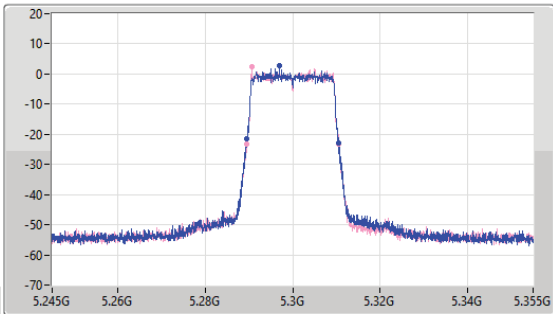
5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

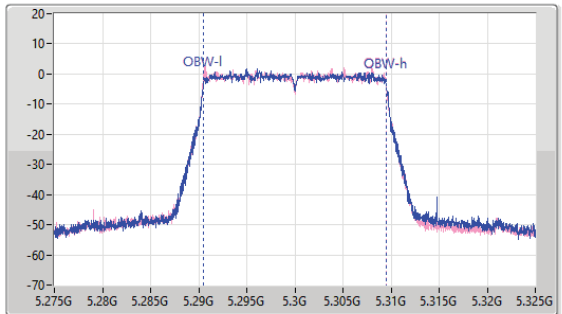
5300MHz

03/03/2023

CF: 5.3GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.3GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.175M	5.289385G	5.31056G	19.003M	5.290499G	5.309502G	Inf	1
21.175M	5.28944G	5.310615G	19.003M	5.29047G	5.309473G	Inf	2

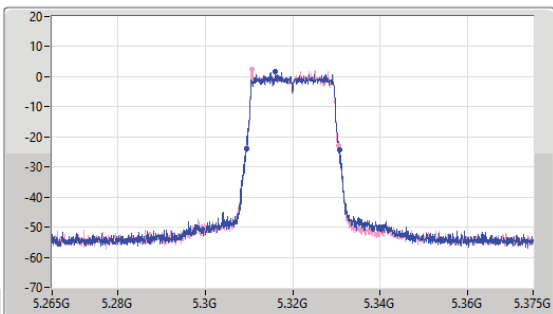
5.25-5.35GHz_802.11ax_HEW20_Nss2,(MCS0)_2TX

EBW

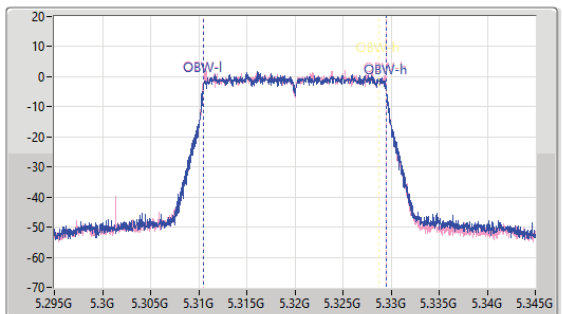
5320MHz

03/03/2023

CF: 5.32GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.32GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



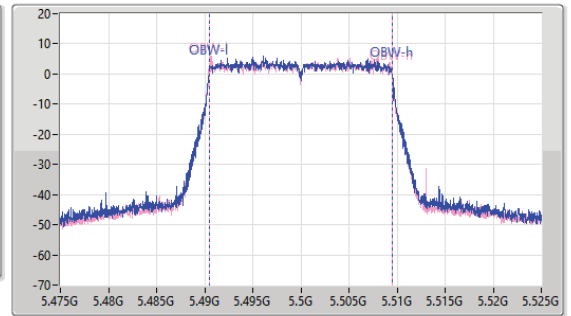
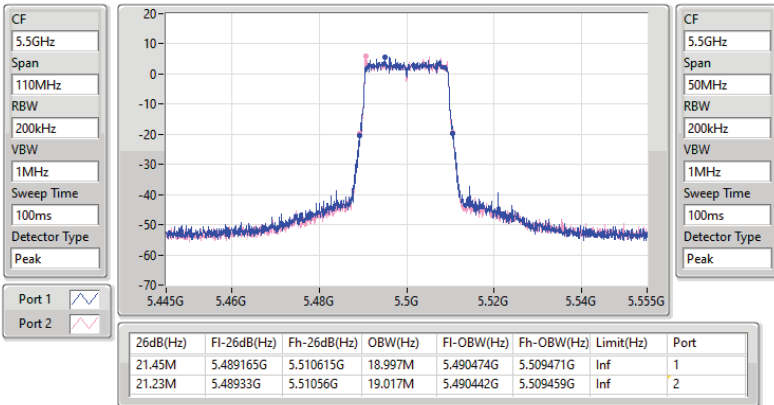
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.395M	5.309385G	5.33078G	19M	5.310488G	5.329488G	Inf	1
21.12M	5.30944G	5.33056G	19M	5.310471G	5.329471G	Inf	2

5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5500MHz

03/03/2023

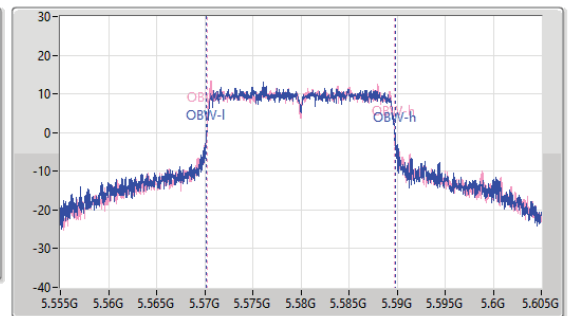
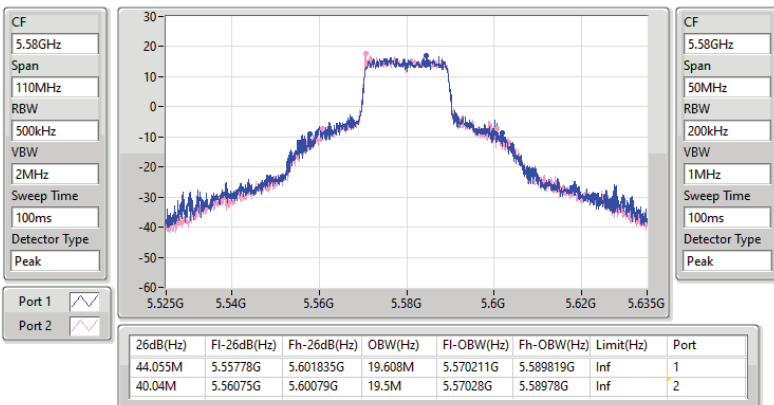


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5580MHz

03/03/2023



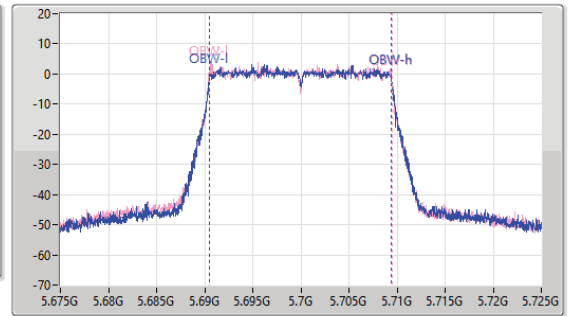
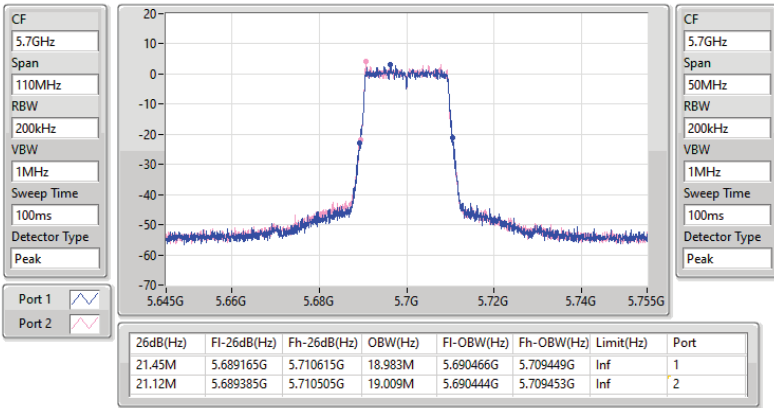


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5700MHz

03/03/2023

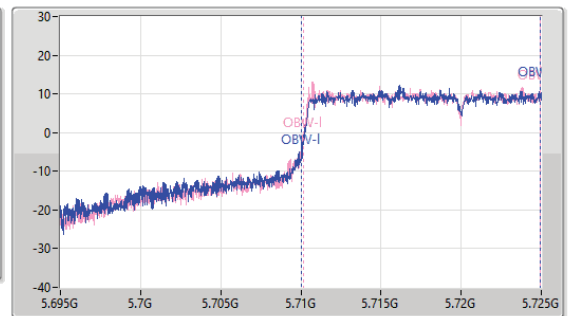
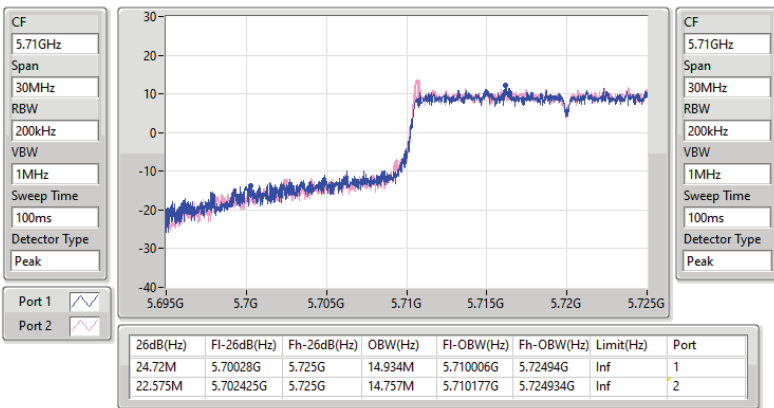


5.47-5.725GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

03/03/2023



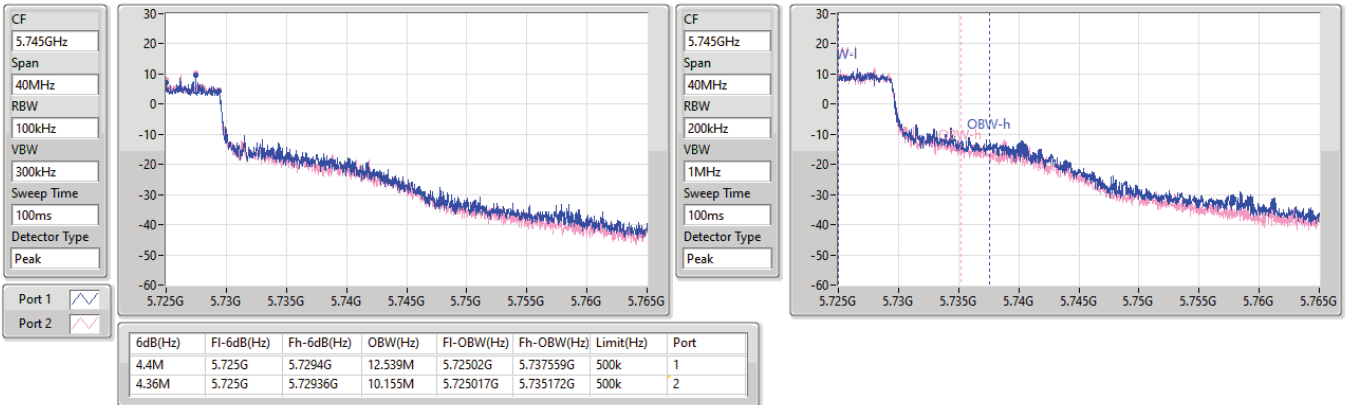


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

03/03/2023

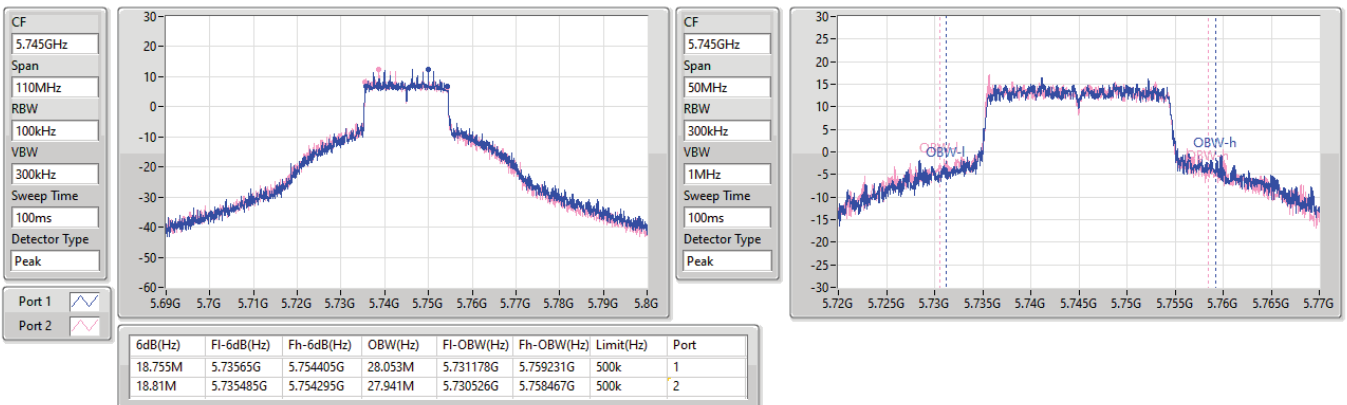


5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5745MHz

03/03/2023



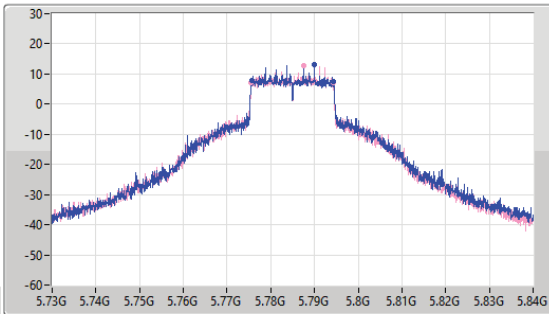
5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

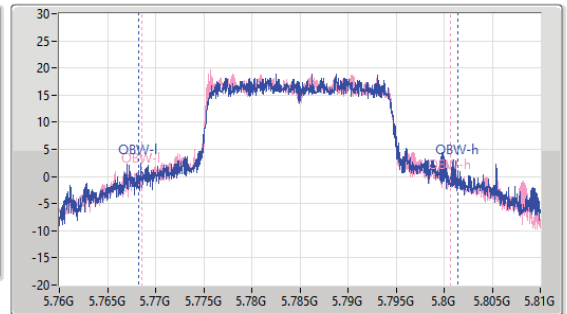
5785MHz

03/03/2023

CF
5.785GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.785GHz
Span
50MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.7M	5.775705G	5.794405G	33.127M	5.768277G	5.801404G	500k	1
18.81M	5.77554G	5.79435G	32.096M	5.768598G	5.800694G	500k	2

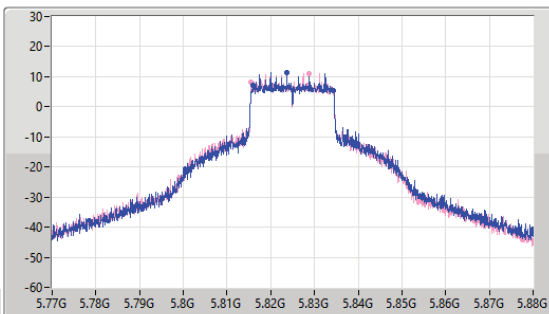
5.725-5.85GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

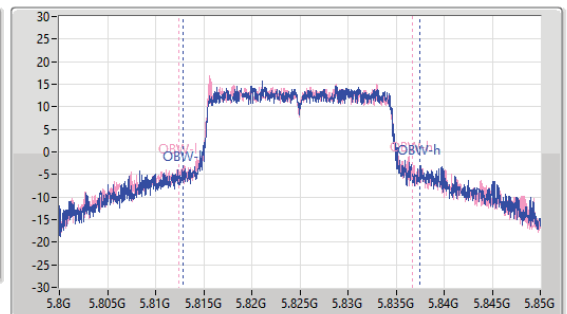
5825MHz

03/03/2023

CF
5.825GHz
Span
110MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.825GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.59M	5.815815G	5.834405G	24.582M	5.812901G	5.837483G	500k	1
18.865M	5.815485G	5.83435G	24.337M	5.812394G	5.836731G	500k	2

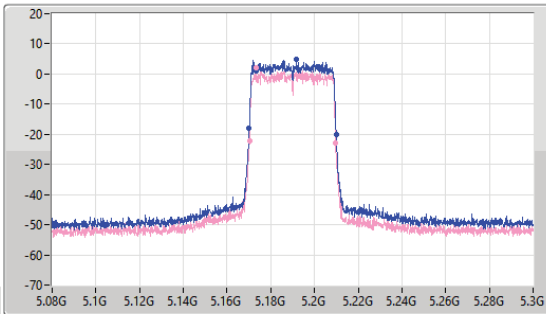
5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

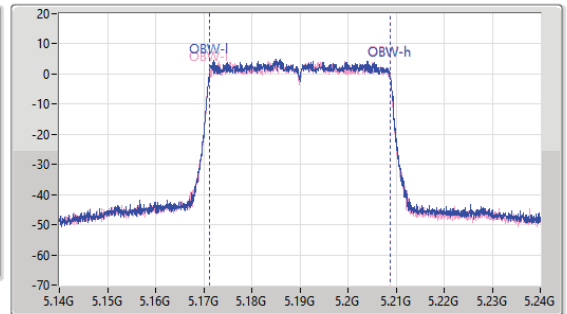
5190MHz

03/03/2023

CF
5.19GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.19GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	5.17009G	5.20991G	37.531M	5.171203G	5.208734G	Inf	1
39.49M	5.1702G	5.20969G	37.619M	5.171172G	5.208791G	Inf	2

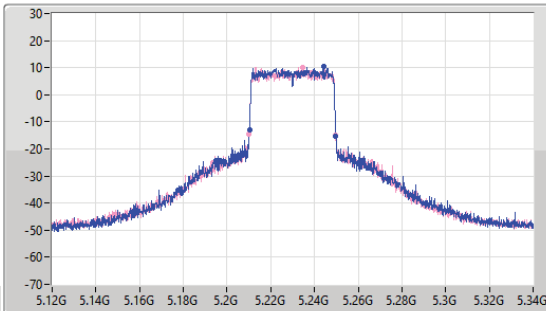
5.15-5.25GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

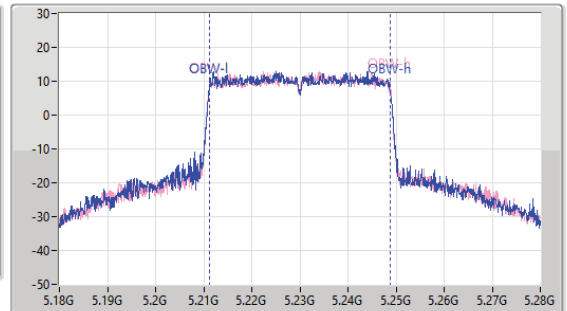
5230MHz

03/03/2023

CF
5.23GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.23GHz
Span
100MHz
RBW
300kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2102G	5.2498G	37.593M	5.211165G	5.248758G	Inf	1
39.6M	5.21009G	5.24969G	37.68M	5.211156G	5.248836G	Inf	2



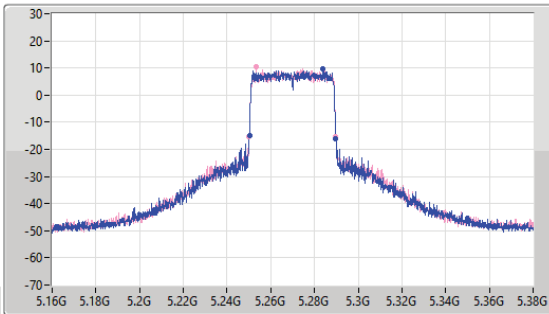
5.25-5.35GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

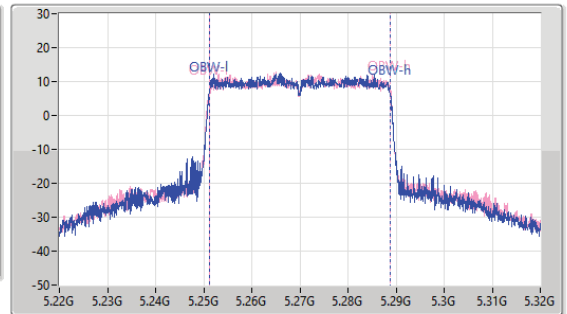
5270MHz

03/03/2023

CF
5.27GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.27GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2502G	5.2898G	37.566M	5.25118G	5.288745G	Inf	1
39.6M	5.25009G	5.28969G	37.672M	5.251158G	5.28883G	Inf	2

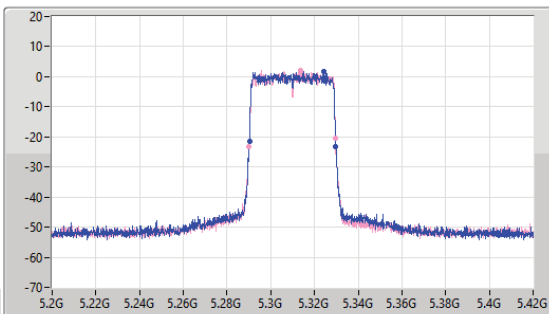
5.25-5.35GHz_802.11ax_HEW40_Nss2,(MCS0)_2TX

EBW

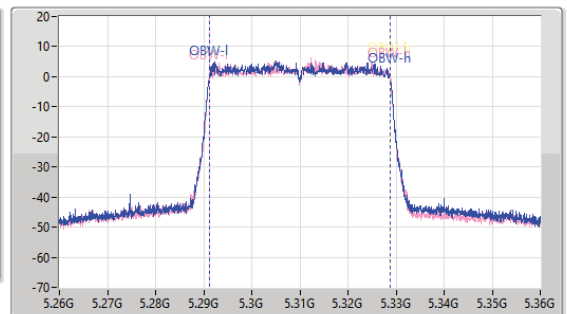
5310MHz

03/03/2023

CF
5.31GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.31GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.2902G	5.3298G	37.52M	5.291187G	5.328708G	Inf	1
39.6M	5.29009G	5.32969G	37.625M	5.291185G	5.32881G	Inf	2



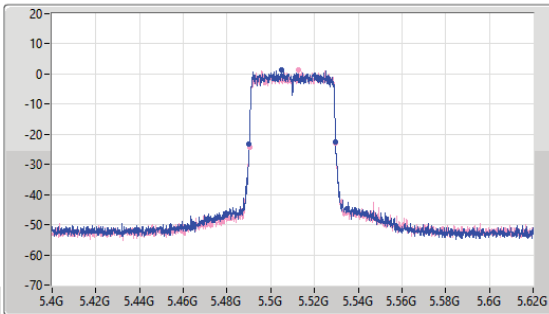
5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

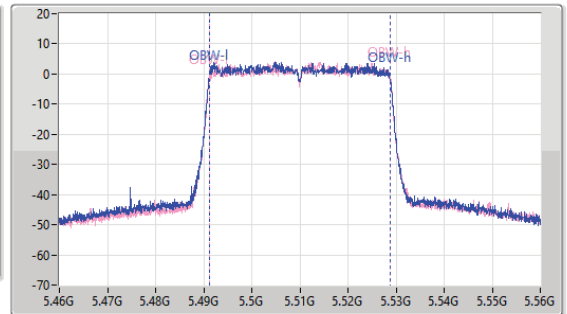
5510MHz

03/03/2023

CF: 5.51GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.51GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.49009G	5.52969G	37.507M	5.491192G	5.528699G	Inf	1
39.49M	5.4902G	5.52969G	37.617M	5.491192G	5.528809G	Inf	2

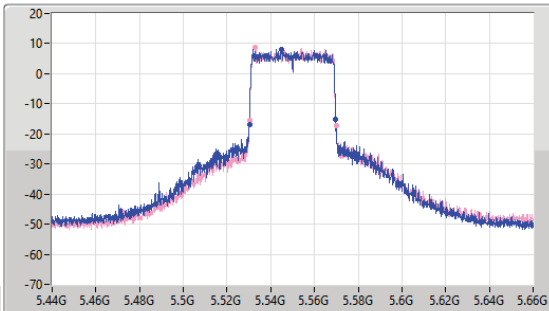
5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

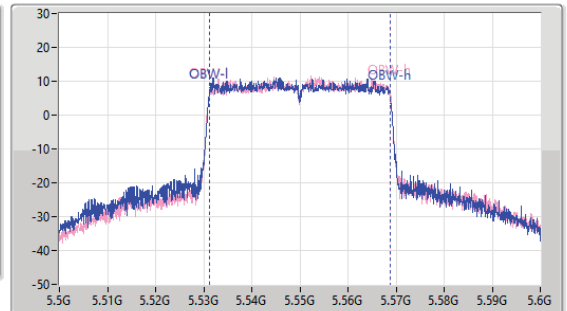
5550MHz

03/03/2023

CF: 5.55GHz
 Span: 220MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.55GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.49M	5.5302G	5.56969G	37.607M	5.531148G	5.568755G	Inf	1
39.71M	5.5302G	5.56991G	37.64M	5.531198G	5.568838G	Inf	2



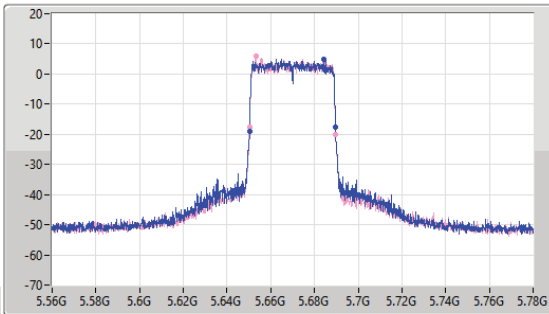
5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

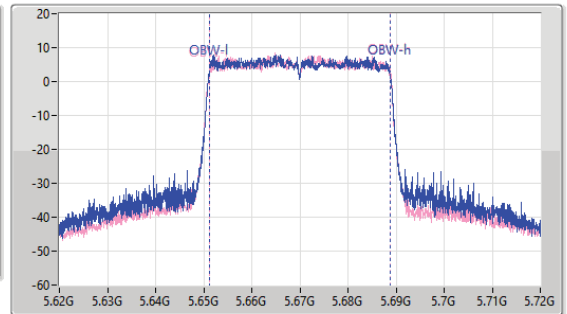
5670MHz

03/03/2023

CF
5.67GHz
Span
220MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.67GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.65031G	5.68958G	37.541M	5.651194G	5.688735G	Inf	1
39.49M	5.6502G	5.68969G	37.628M	5.651168G	5.688796G	Inf	2

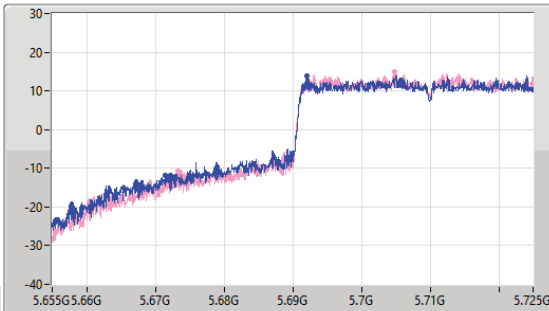
5.47-5.725GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

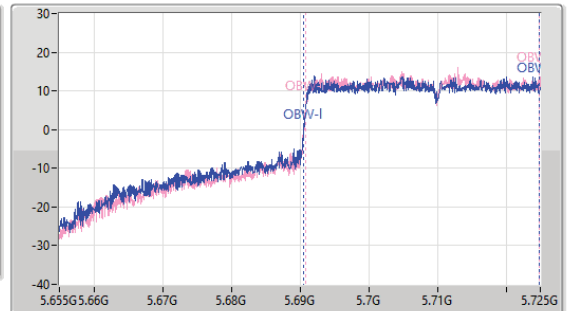
5710MHz Straddle 5.47-5.725GHz

03/03/2023

CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.69GHz
Span
70MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



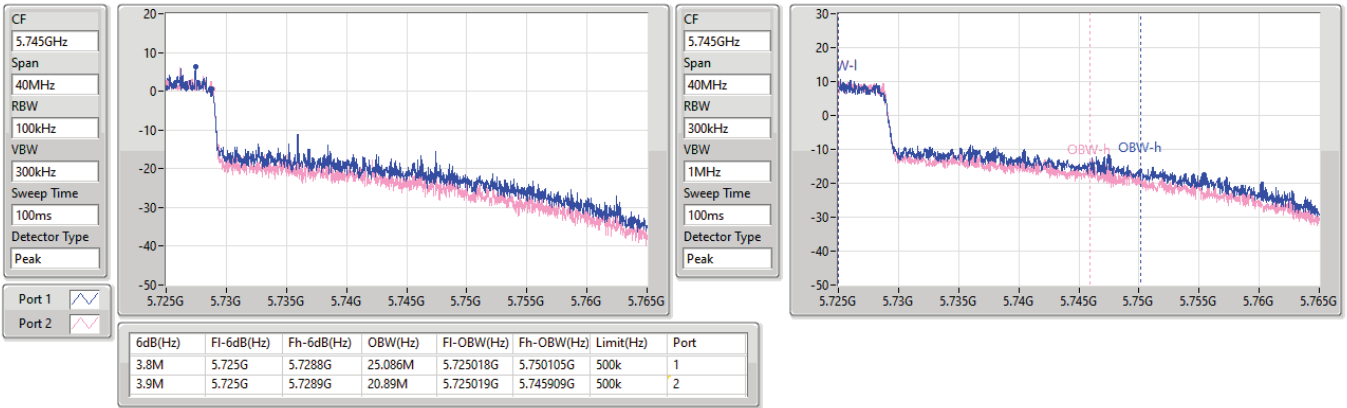
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
53.48M	5.67152G	5.725G	34.33M	5.690476G	5.724807G	Inf	1
51.66M	5.67334G	5.725G	33.981M	5.690861G	5.724842G	Inf	2

5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

03/03/2023

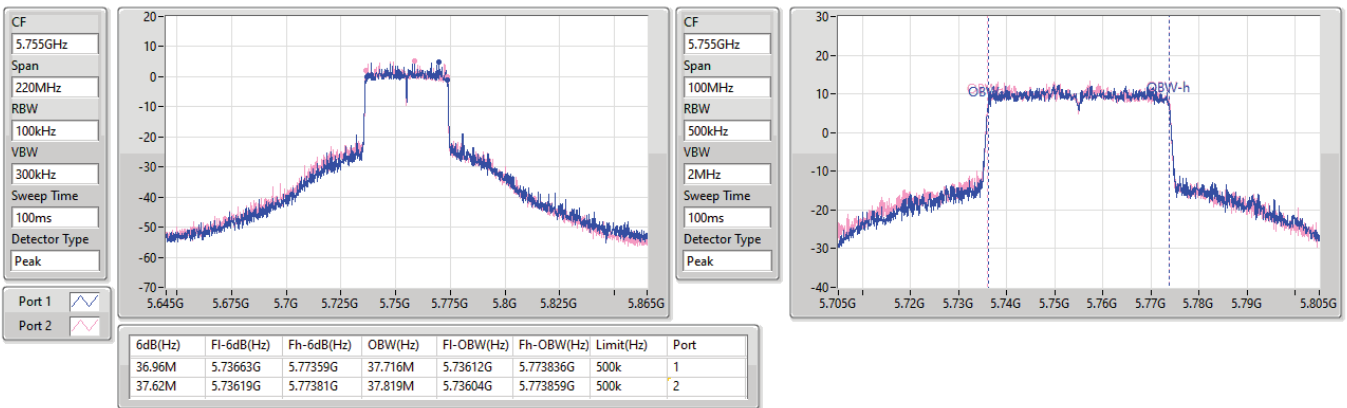


5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5755MHz

03/03/2023



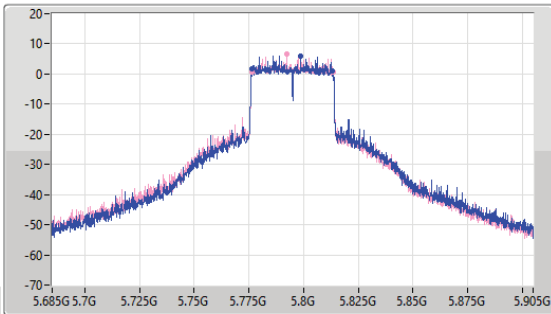
5.725-5.85GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

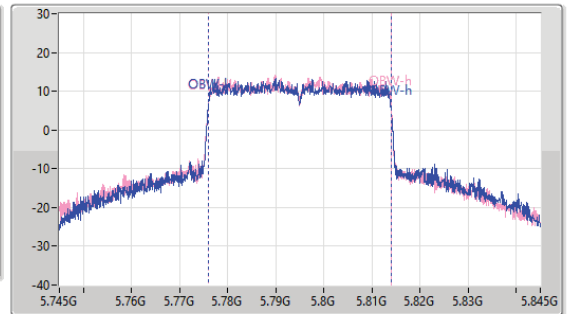
5795MHz

03/03/2023

CF
5.795GHz
Span
220MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
5.795GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.96M	5.77619G	5.81315G	37.953M	5.77598G	5.813933G	500k	1
37.4M	5.77641G	5.81381G	37.939M	5.775968G	5.813906G	500k	2

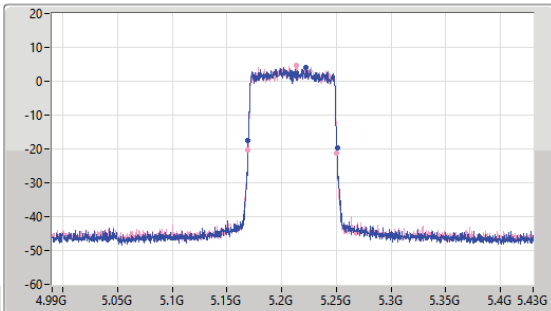
5.15-5.25GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

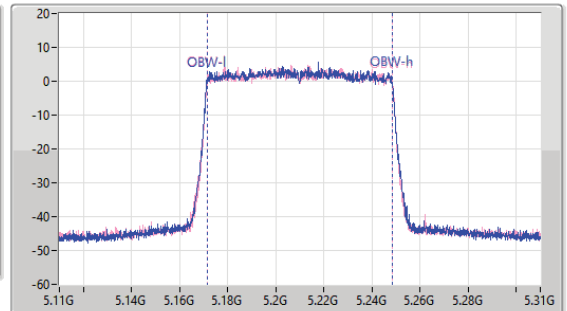
5210MHz

03/03/2023

CF
5.21GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.21GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.4M	5.1693G	5.2507G	76.927M	5.171374G	5.248301G	Inf	1
81.4M	5.16908G	5.25048G	76.875M	5.171548G	5.248423G	Inf	2



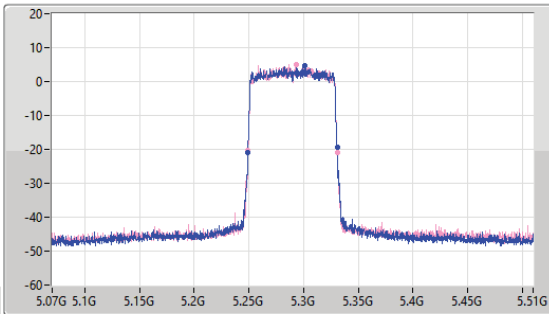
5.25-5.35GHz_802.11ax_HEW80_Nss2,(MCS0)_2TX

EBW

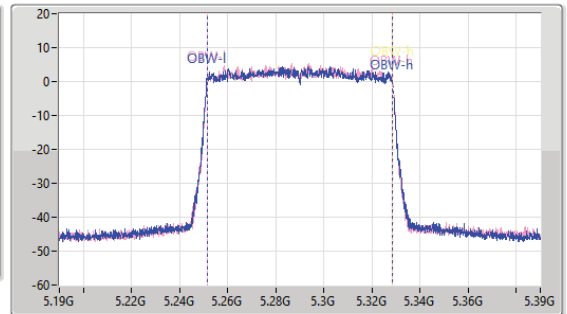
5290MHz

03/03/2023

CF
5.29GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
5.29GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.62M	5.24908G	5.3307G	76.944M	5.251392G	5.328336G	Inf	1
81.84M	5.24886G	5.3307G	76.895M	5.251546G	5.328441G	Inf	2

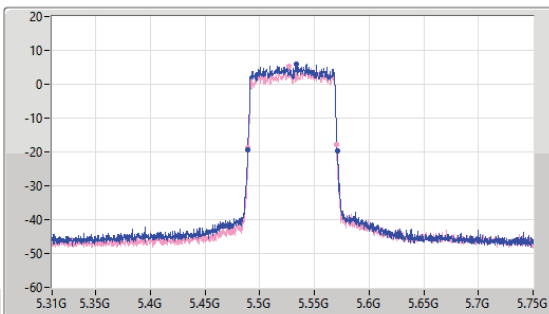
5.47-5.725GHz_802.11ax_HEW80_Nss2,(MCS0)_2TX

EBW

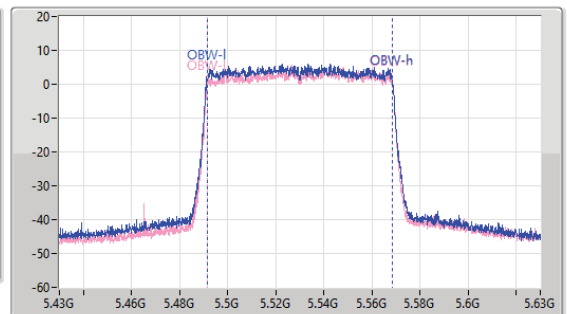
5530MHz

03/03/2023

CF
5.53GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
5.53GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.48908G	5.57092G	76.913M	5.491418G	5.568331G	Inf	1
81.18M	5.48908G	5.57026G	76.936M	5.491546G	5.568482G	Inf	2



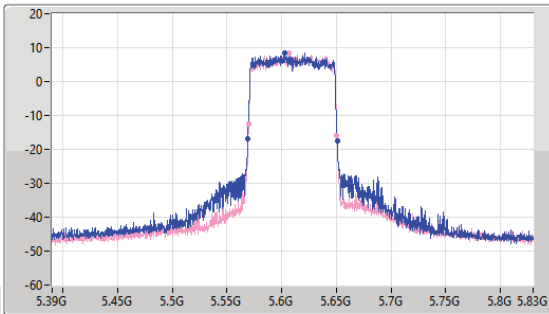
5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

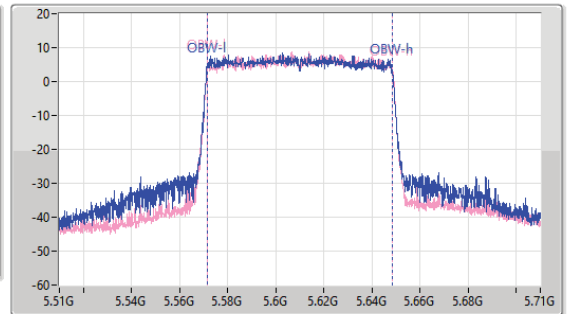
5610MHz

03/03/2023

CF
5.61GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.61GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	5.56908G	5.65092G	76.942M	5.571382G	5.648324G	Inf	1
80.96M	5.56952G	5.65048G	76.923M	5.571568G	5.648491G	Inf	2

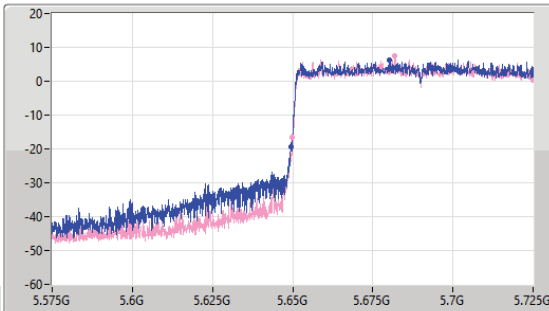
5.47-5.725GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

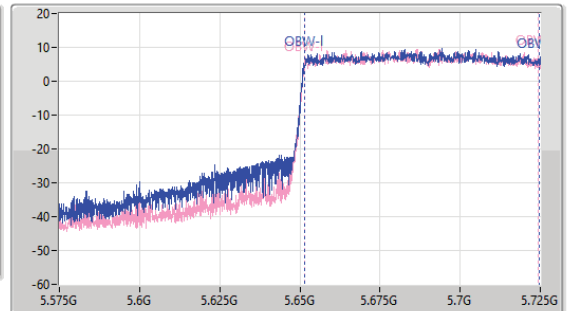
5690MHz Straddle 5.47-5.725GHz

03/03/2023

CF
5.65GHz
Span
150MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.65GHz
Span
150MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

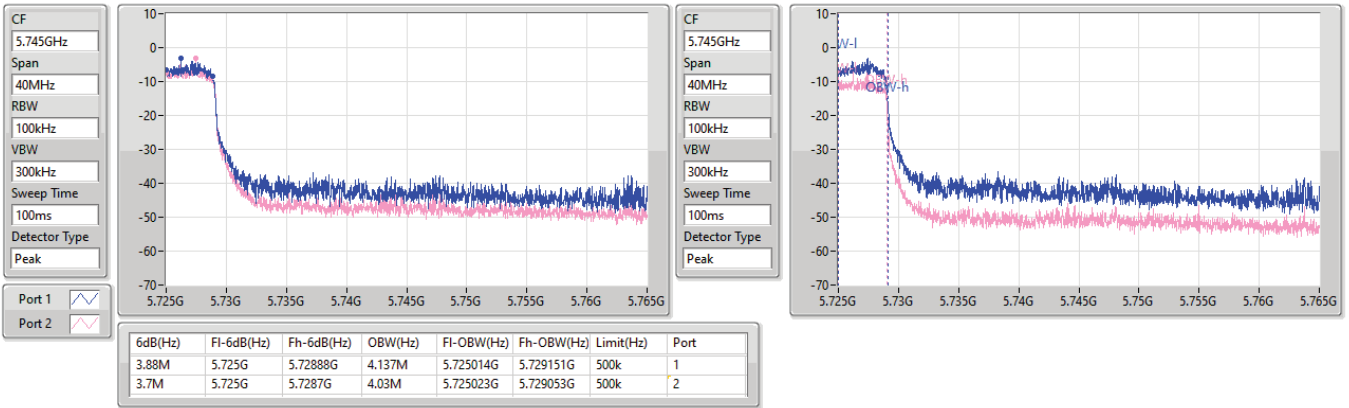
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.525M	5.649475G	5.725G	73.158M	5.651349G	5.724507G	Inf	1
75.225M	5.649775G	5.725G	73.016M	5.651466G	5.724483G	Inf	2

5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

03/03/2023

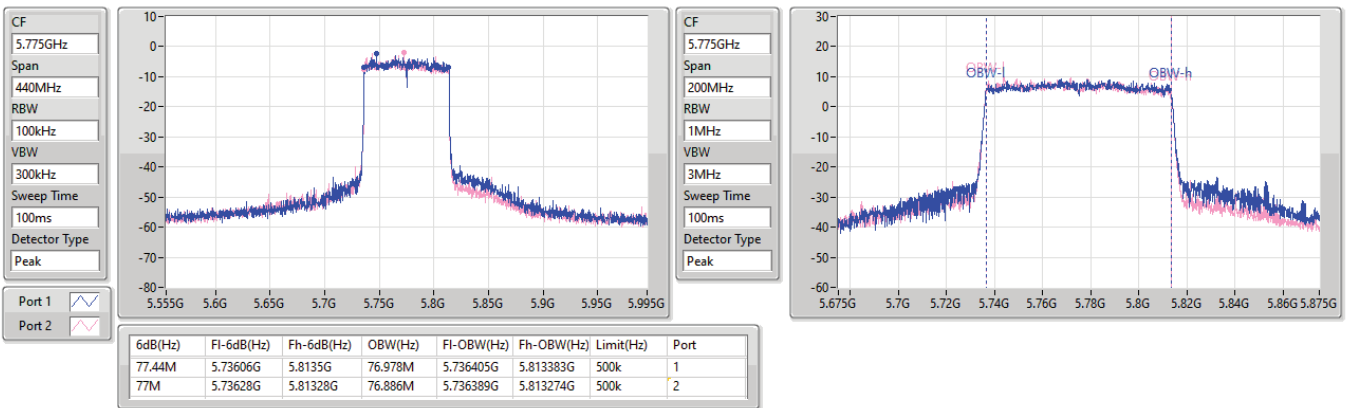


5.725-5.85GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5775MHz

03/03/2023



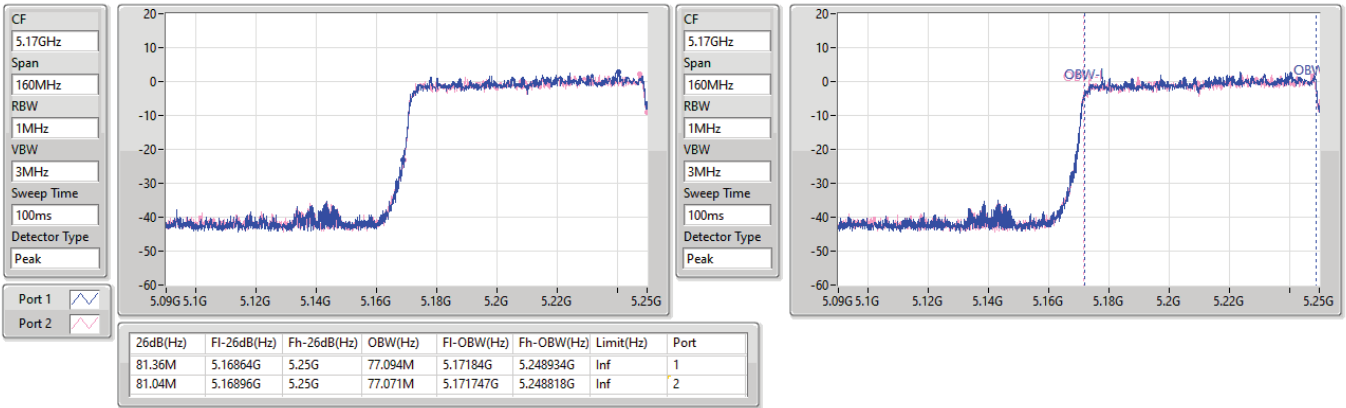


5.15-5.25GHz_802.11ax_HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.15-5.25GHz

03/03/2023

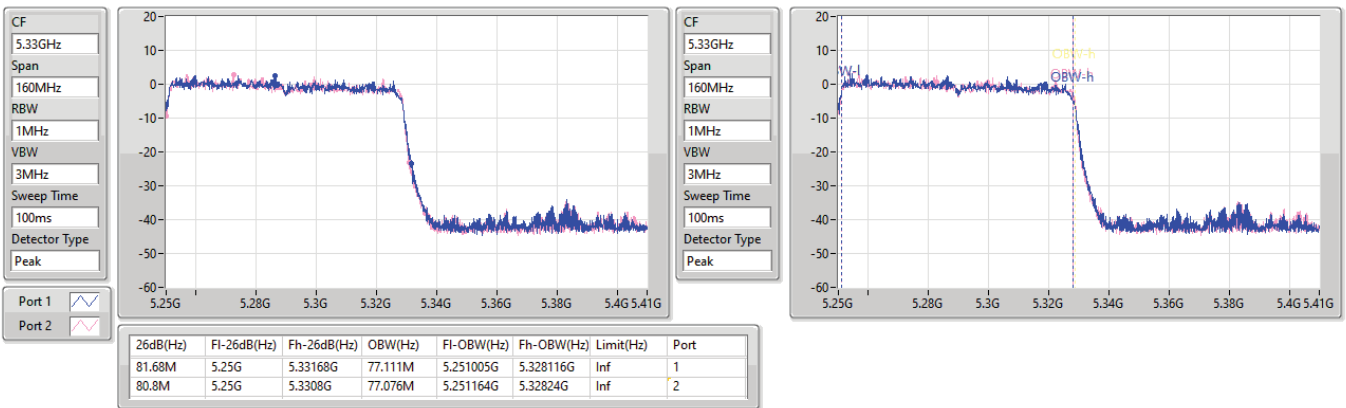


5.25-5.35GHz_802.11ax_HEW160_Nss2,(MCS0)_2TX

EBW

5250MHz Straddle 5.25-5.35GHz

03/03/2023





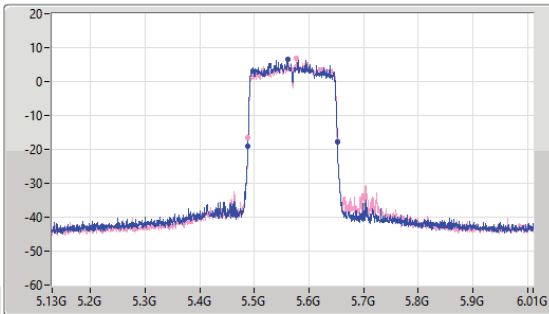
5.47-5.725GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

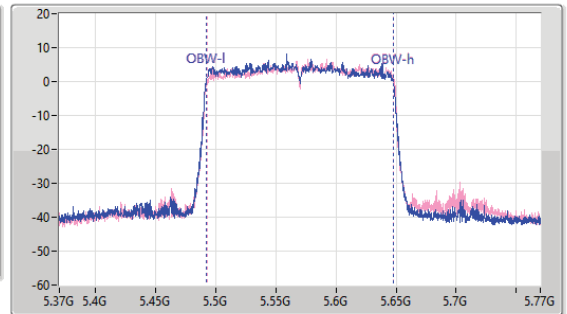
5570MHz

03/03/2023

CF
5.57GHz
Span
880MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.57GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



Port 1
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.68M	5.4886G	5.65228G	154.925M	5.492447G	5.647372G	Inf	1
163.24M	5.4886G	5.65184G	155.115M	5.492769G	5.647885G	Inf	2



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.45M	16.797M	16M8D1D	21.01M	16.645M
802.11n HT20_Nss2,(MCS0)_4TX	21.505M	17.909M	17M9D1D	21.23M	17.755M
802.11n HT40_Nss2,(MCS0)_4TX	39.49M	36.431M	36M4D1D	38.94M	36.237M
802.11ac VHT20_Nss2,(MCS0)_4TX	21.56M	17.868M	17M9D1D	21.175M	17.778M
802.11ac VHT40_Nss2,(MCS0)_4TX	39.38M	36.445M	36M4D1D	39.16M	36.277M
802.11ac VHT80_Nss2,(MCS0)_4TX	81.4M	75.964M	76MOD1D	80.96M	75.637M
802.11ac VHT160_Nss2,(MCS0)_4TX	81.84M	76.013M	76MOD1D	81.36M	75.658M
802.11ax HEW20_Nss2,(MCS0)_4TX	21.505M	19.131M	19M1D1D	21.285M	18.996M
802.11ax HEW40_Nss2,(MCS0)_4TX	39.71M	37.59M	37M6D1D	39.49M	37.503M
802.11ax HEW80_Nss2,(MCS0)_4TX	82.5M	77.163M	77M2D1D	81.62M	76.71M
802.11ax HEW160_Nss2,(MCS0)_4TX	81.36M	77.175M	77M2D1D	80.8M	77.133M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.395M	16.757M	16M8D1D	20.955M	16.643M
802.11n HT20_Nss2,(MCS0)_4TX	21.395M	17.908M	17M9D1D	21.23M	17.755M
802.11n HT40_Nss2,(MCS0)_4TX	39.6M	36.439M	36M4D1D	39.05M	36.257M
802.11ac VHT20_Nss2,(MCS0)_4TX	21.615M	17.874M	17M9D1D	21.23M	17.765M
802.11ac VHT40_Nss2,(MCS0)_4TX	39.49M	36.443M	36M4D1D	39.16M	36.29M
802.11ac VHT80_Nss2,(MCS0)_4TX	82.06M	75.943M	75M9D1D	80.96M	75.626M
802.11ac VHT160_Nss2,(MCS0)_4TX	82.08M	75.986M	76MOD1D	81.12M	75.87M
802.11ax HEW20_Nss2,(MCS0)_4TX	21.505M	19.126M	19M1D1D	21.12M	18.987M
802.11ax HEW40_Nss2,(MCS0)_4TX	39.6M	37.578M	37M6D1D	39.38M	37.496M
802.11ax HEW80_Nss2,(MCS0)_4TX	81.4M	77.052M	77M1D1D	81.18M	76.829M
802.11ax HEW160_Nss2,(MCS0)_4TX	81.92M	77.301M	77M3D1D	81.28M	77.191M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.395M	16.774M	16M8D1D	15.615M	13.364M
802.11n HT20_Nss2,(MCS0)_4TX	21.395M	17.913M	17M9D1D	15.66M	13.92M
802.11n HT40_Nss2,(MCS0)_4TX	39.6M	36.443M	36M4D1D	34.685M	33.081M
802.11ac VHT20_Nss2,(MCS0)_4TX	21.67M	17.878M	17M9D1D	15.765M	13.945M
802.11ac VHT40_Nss2,(MCS0)_4TX	39.49M	36.451M	36M5D1D	34.685M	33.021M
802.11ac VHT80_Nss2,(MCS0)_4TX	82.06M	75.968M	76MOD1D	75.525M	72.468M
802.11ac VHT160_Nss2,(MCS0)_4TX	164.12M	154.048M	154MD1D	163.68M	153.698M
802.11ax HEW20_Nss2,(MCS0)_4TX	21.45M	19.12M	19M1D1D	15.705M	14.498M
802.11ax HEW40_Nss2,(MCS0)_4TX	39.82M	37.633M	37M6D1D	34.825M	33.58M
802.11ax HEW80_Nss2,(MCS0)_4TX	81.84M	77.044M	77MOD1D	75.9M	73.072M
802.11ax HEW160_Nss2,(MCS0)_4TX	165M	155.295M	155MD1D	163.68M	154.554M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.335M	23.562M	23M6D1D	3.12M	3.922M
802.11n HT20_Nss2,(MCS0)_4TX	17.6M	29.046M	29MOD1D	3.74M	4.216M
802.11n HT40_Nss2,(MCS0)_4TX	36.41M	36.843M	36M8D1D	3.1M	3.431M
802.11ac VHT20_Nss2,(MCS0)_4TX	17.6M	29.362M	29M4D1D	3.74M	4.194M
802.11ac VHT40_Nss2,(MCS0)_4TX	36.3M	36.808M	36M8D1D	3.12M	3.449M
802.11ac VHT80_Nss2,(MCS0)_4TX	76.12M	75.954M	76MOD1D	3.12M	3.458M
802.11ax HEW20_Nss2,(MCS0)_4TX	19.14M	29.802M	29M8D1D	4.42M	4.539M
802.11ax HEW40_Nss2,(MCS0)_4TX	37.62M	37.927M	37M9D1D	3.76M	4.021M
802.11ax HEW80_Nss2,(MCS0)_4TX	77.22M	77.039M	77MOD1D	3.74M	4.028M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.01M	16.645M	21.34M	16.712M	21.45M	16.765M	21.065M	16.786M
5200MHz	Pass	Inf	21.285M	16.663M	21.285M	16.725M	21.23M	16.769M	21.12M	16.779M
5240MHz	Pass	Inf	21.175M	16.66M	21.23M	16.717M	21.395M	16.752M	21.34M	16.797M
5260MHz	Pass	Inf	21.285M	16.757M	20.955M	16.733M	21.12M	16.724M	21.285M	16.643M
5300MHz	Pass	Inf	21.065M	16.736M	21.01M	16.732M	21.395M	16.727M	21.285M	16.648M
5320MHz	Pass	Inf	21.285M	16.741M	21.23M	16.739M	21.395M	16.701M	21.23M	16.661M
5500MHz	Pass	Inf	21.23M	16.708M	21.23M	16.774M	21.175M	16.716M	21.12M	16.668M
5580MHz	Pass	Inf	21.175M	16.713M	21.12M	16.767M	21.175M	16.723M	21.065M	16.667M
5700MHz	Pass	Inf	21.12M	16.727M	21.12M	16.761M	21.395M	16.764M	21.175M	16.663M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	13.364M	15.66M	13.402M	15.765M	13.436M	15.615M	13.38M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.24M	3.968M	3.14M	3.941M	3.14M	3.922M	3.12M	3.932M
5745MHz	Pass	500k	16.335M	17.513M	16.335M	17.61M	16.28M	18.261M	16.335M	17.216M
5785MHz	Pass	500k	16.28M	23.042M	16.335M	22.004M	16.335M	23.562M	16.335M	21.409M
5825MHz	Pass	500k	16.335M	17.389M	16.28M	17.407M	16.335M	17.438M	16.335M	17.161M
802.11n HT20_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.45M	17.909M	21.23M	17.761M	21.505M	17.781M	21.395M	17.781M
5200MHz	Pass	Inf	21.34M	17.902M	21.285M	17.762M	21.285M	17.792M	21.45M	17.755M
5240MHz	Pass	Inf	21.45M	17.903M	21.285M	17.77M	21.23M	17.788M	21.23M	17.77M
5260MHz	Pass	Inf	21.395M	17.908M	21.395M	17.767M	21.395M	17.774M	21.285M	17.761M
5300MHz	Pass	Inf	21.395M	17.897M	21.23M	17.755M	21.285M	17.788M	21.34M	17.768M
5320MHz	Pass	Inf	21.34M	17.898M	21.34M	17.761M	21.285M	17.792M	21.285M	17.776M
5500MHz	Pass	Inf	21.395M	17.9M	21.395M	17.763M	21.34M	17.785M	21.34M	17.774M
5580MHz	Pass	Inf	21.34M	17.913M	21.175M	17.762M	21.285M	17.779M	21.34M	17.774M
5700MHz	Pass	Inf	21.34M	17.894M	21.395M	17.767M	21.395M	17.801M	21.285M	17.763M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.765M	13.92M	15.66M	13.951M	15.765M	13.946M	15.9M	14.05M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.245M	3.84M	4.216M	3.76M	4.235M	3.74M	4.224M
5745MHz	Pass	500k	17.6M	19.032M	17.6M	19.458M	17.6M	19.992M	17.6M	18.54M
5785MHz	Pass	500k	17.49M	28.529M	17.49M	27.828M	17.6M	29.046M	17.6M	26.631M
5825MHz	Pass	500k	17.545M	22.285M	17.545M	21.15M	17.545M	22.443M	17.49M	20.612M
802.11n HT40_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.38M	36.431M	38.94M	36.237M	39.38M	36.316M	39.38M	36.288M
5230MHz	Pass	Inf	39.49M	36.375M	39.38M	36.267M	39.49M	36.332M	39.27M	36.301M
5270MHz	Pass	Inf	39.6M	36.439M	39.05M	36.257M	39.49M	36.313M	39.38M	36.305M
5310MHz	Pass	Inf	39.49M	36.383M	39.27M	36.283M	39.38M	36.368M	39.16M	36.287M
5510MHz	Pass	Inf	39.6M	36.443M	38.94M	36.283M	39.49M	36.351M	39.27M	36.296M
5550MHz	Pass	Inf	39.49M	36.374M	38.83M	36.247M	39.27M	36.285M	39.49M	36.282M
5670MHz	Pass	Inf	39.6M	36.402M	39.27M	36.27M	39.38M	36.325M	39.27M	36.327M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35M	33.091M	34.685M	33.09M	34.79M	33.081M	34.685M	33.111M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.486M	3.1M	3.439M	3.1M	3.483M	3.12M	3.431M
5755MHz	Pass	500k	36.3M	36.576M	36.41M	36.327M	36.41M	36.38M	36.41M	36.407M
5795MHz	Pass	500k	35.97M	36.843M	36.3M	36.623M	36.41M	36.747M	36.41M	36.455M
802.11ac VHT20_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.505M	17.858M	21.395M	17.795M	21.56M	17.852M	21.175M	17.794M
5200MHz	Pass	Inf	21.505M	17.854M	21.34M	17.82M	21.56M	17.863M	21.34M	17.781M
5240MHz	Pass	Inf	21.56M	17.868M	21.395M	17.808M	21.505M	17.861M	21.285M	17.778M
5260MHz	Pass	Inf	21.56M	17.867M	21.45M	17.805M	21.615M	17.862M	21.23M	17.793M
5300MHz	Pass	Inf	21.56M	17.866M	21.45M	17.809M	21.56M	17.863M	21.23M	17.765M
5320MHz	Pass	Inf	21.23M	17.78M	21.56M	17.86M	21.395M	17.813M	21.56M	17.874M
5500MHz	Pass	Inf	21.285M	17.788M	21.67M	17.877M	21.45M	17.801M	21.615M	17.873M
5580MHz	Pass	Inf	21.23M	17.776M	21.395M	17.871M	21.395M	17.8M	21.45M	17.87M
5700MHz	Pass	Inf	21.175M	17.798M	21.45M	17.864M	21.23M	17.823M	21.615M	17.878M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.765M	13.945M	15.795M	13.958M	15.78M	13.991M	15.765M	13.992M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	4.194M	3.74M	4.284M	3.76M	4.233M	3.74M	4.251M
5745MHz	Pass	500k	17.545M	19.18M	17.6M	19.173M	17.6M	19.501M	17.545M	18.557M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5785MHz	Pass	500k	17.49M	29.167M	17.545M	28.072M	17.49M	29.362M	17.325M	27.203M
5825MHz	Pass	500k	17.545M	21.915M	17.545M	20.903M	17.545M	22.155M	17.49M	20.672M
802.11ac VHT40_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.27M	36.292M	39.38M	36.445M	39.27M	36.28M	39.16M	36.33M
5230MHz	Pass	Inf	39.27M	36.309M	39.38M	36.425M	39.38M	36.277M	39.38M	36.361M
5270MHz	Pass	Inf	39.16M	36.29M	39.49M	36.422M	39.38M	36.291M	39.38M	36.356M
5310MHz	Pass	Inf	39.16M	36.312M	39.38M	36.443M	39.38M	36.293M	39.27M	36.356M
5510MHz	Pass	Inf	39.05M	36.305M	39.49M	36.451M	39.38M	36.272M	39.27M	36.359M
5550MHz	Pass	Inf	39.16M	36.286M	39.27M	36.433M	39.27M	36.29M	39.27M	36.358M
5670MHz	Pass	Inf	39.16M	36.304M	39.38M	36.414M	39.49M	36.282M	39.49M	36.368M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	33.108M	34.825M	33.085M	34.755M	33.05M	34.685M	33.021M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.449M	3.14M	3.473M	3.12M	3.466M	3.12M	3.466M
5755MHz	Pass	500k	36.19M	36.38M	36.3M	36.627M	35.64M	36.367M	36.3M	36.502M
5795MHz	Pass	500k	36.3M	36.541M	36.3M	36.808M	36.3M	36.507M	36.3M	36.73M
802.11ac VHT80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	80.96M	75.637M	81.4M	75.964M	81.4M	75.702M	81.4M	75.724M
5290MHz	Pass	Inf	80.96M	75.626M	82.06M	75.943M	81.4M	75.707M	81.4M	75.74M
5530MHz	Pass	Inf	80.74M	75.626M	81.84M	75.943M	82.06M	75.726M	81.62M	75.766M
5610MHz	Pass	Inf	80.74M	75.612M	81.62M	75.968M	81.4M	75.743M	81.4M	75.741M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.525M	72.485M	75.675M	72.468M	75.975M	72.516M	75.75M	72.488M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.458M	3.12M	3.616M	3.12M	3.618M	3.12M	3.592M
5775MHz	Pass	500k	75.9M	75.602M	76.12M	75.954M	75.68M	75.659M	75.46M	75.775M
802.11ac VHT160_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.36M	76.013M	81.36M	75.752M	81.44M	75.658M	81.84M	75.958M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.36M	75.986M	82.08M	75.893M	81.12M	75.891M	81.76M	75.87M
5570MHz	Pass	Inf	164.12M	153.748M	163.68M	154.048M	164.12M	153.698M	164.12M	154.045M
802.11ax HEW20_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.395M	19.092M	21.395M	18.996M	21.34M	19.082M	21.395M	19.013M
5200MHz	Pass	Inf	21.505M	19.101M	21.505M	19.009M	21.505M	19.079M	21.45M	19.02M
5240MHz	Pass	Inf	21.34M	19.091M	21.505M	19M	21.395M	19.131M	21.285M	19.007M
5260MHz	Pass	Inf	21.285M	19.108M	21.12M	18.994M	21.505M	19.06M	21.34M	19.001M
5300MHz	Pass	Inf	21.45M	19.105M	21.395M	18.987M	21.505M	19.126M	21.34M	18.989M
5320MHz	Pass	Inf	21.395M	19.083M	21.175M	19.014M	21.395M	19.059M	21.23M	19.012M
5500MHz	Pass	Inf	21.285M	19.063M	21.285M	19.006M	21.395M	19.12M	21.285M	19M
5580MHz	Pass	Inf	21.45M	19.095M	21.34M	19.039M	21.45M	19.063M	21.23M	18.998M
5700MHz	Pass	Inf	21.34M	19.05M	21.45M	19.02M	21.395M	19.067M	21.285M	19.024M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.555M	15.72M	14.498M	15.75M	14.558M	15.705M	14.511M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.563M	4.42M	4.545M	4.54M	4.572M	4.44M	4.539M
5745MHz	Pass	500k	18.81M	20.258M	19.14M	19.552M	18.7M	20.45M	18.755M	19.504M
5785MHz	Pass	500k	18.975M	29.054M	18.755M	29.005M	18.425M	29.802M	18.535M	28.037M
5825MHz	Pass	500k	18.81M	22.454M	18.535M	22.012M	18.48M	22.97M	18.865M	21.461M
802.11ax HEW40_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	39.49M	37.511M	39.71M	37.546M	39.6M	37.513M	39.6M	37.558M
5230MHz	Pass	Inf	39.6M	37.503M	39.71M	37.59M	39.49M	37.549M	39.49M	37.561M
5270MHz	Pass	Inf	39.49M	37.529M	39.6M	37.556M	39.6M	37.569M	39.49M	37.557M
5310MHz	Pass	Inf	39.49M	37.553M	39.38M	37.578M	39.38M	37.528M	39.49M	37.496M
5510MHz	Pass	Inf	39.49M	37.547M	39.6M	37.59M	39.38M	37.528M	39.6M	37.502M
5550MHz	Pass	Inf	39.6M	37.531M	39.82M	37.633M	39.6M	37.57M	39.6M	37.542M
5670MHz	Pass	Inf	39.71M	37.551M	39.71M	37.592M	39.6M	37.547M	39.6M	37.558M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.825M	33.593M	35M	33.659M	34.86M	33.58M	34.825M	33.678M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	4.025M	3.76M	4.029M	3.96M	4.021M	3.78M	4.025M
5755MHz	Pass	500k	37.62M	37.653M	36.85M	37.591M	37.62M	37.611M	36.74M	37.75M
5795MHz	Pass	500k	37.07M	37.773M	37.18M	37.893M	37.29M	37.927M	37.07M	37.722M
802.11ax HEW80_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.62M	76.853M	81.84M	76.882M	82.5M	77.163M	81.62M	76.71M
5290MHz	Pass	Inf	81.18M	77.022M	81.4M	76.838M	81.4M	77.052M	81.4M	76.829M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5530MHz	Pass	Inf	81.84M	76.957M	81.4M	76.817M	81.84M	77.006M	81.4M	76.844M
5610MHz	Pass	Inf	81.62M	76.952M	81.84M	76.85M	81.62M	77.044M	81.4M	76.802M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.975M	73.179M	75.9M	73.072M	75.9M	73.176M	76.2M	73.143M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.96M	4.049M	3.88M	4.028M	3.94M	4.044M	3.74M	4.043M
5775MHz	Pass	500k	75.9M	76.968M	76.34M	76.786M	77.22M	77.039M	76.12M	76.753M
802.11ax HEW160_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.28M	77.175M	81.04M	77.133M	81.36M	77.138M	80.8M	77.141M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.92M	77.301M	81.28M	77.191M	81.84M	77.226M	81.44M	77.248M
5570MHz	Pass	Inf	165M	155.069M	163.68M	154.915M	165M	155.295M	164.12M	154.554M

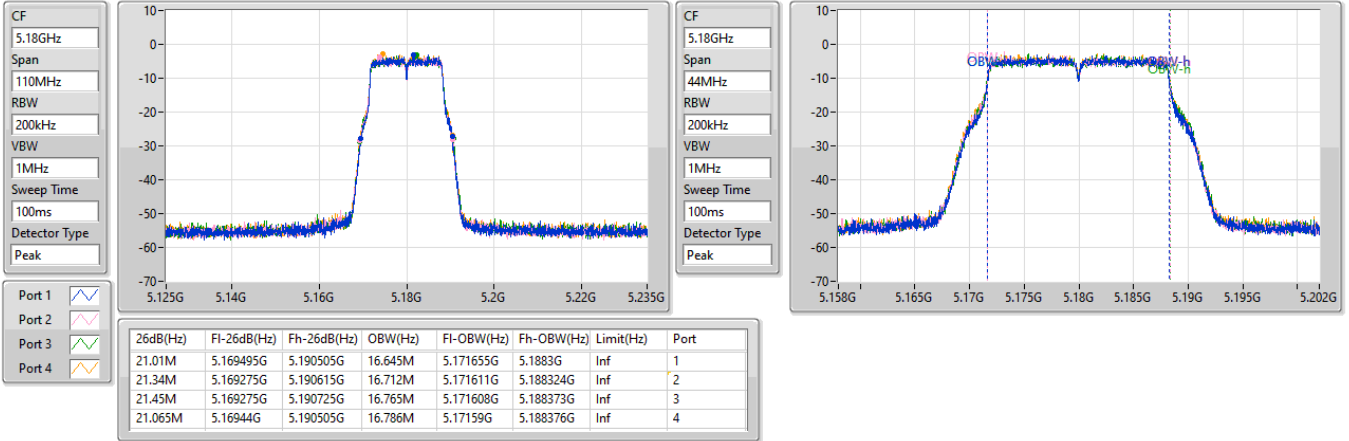
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

03/03/2023



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

EBW

5200MHz

03/03/2023

