

FCC Radio Test Report

FCC ID : LDKVEHVR2777
Equipment : Cisco Catalyst 9136I Access Point
Brand Name : Cisco
Model Name : C9136I-B
Applicant : Cisco Systems Inc
125 West Tasman Drive , San Jose, CA 95134, USA.
Manufacturer : Cisco Systems, Inc.
170 West Tasman Drive, San Jose, CA 95134, USA.
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 09, 2021, and testing was started from Aug. 12, 2021 and completed on Jun. 02, 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 report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver4.2
FCC ID: LDKVEHVR2777

Summary of Test Result

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

Note 1: From Sporton Project No.: FR180526AN (Serving Radio)

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 worse case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluated the output power.

Reviewed by: Ryan Hsiao

Report Producer: Ann Hou

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	a20, n (HT20), ac (VHT20), ax (HEW20)	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	a40, n (HT40), ac (VHT40), ax (HEW40)	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	a80, ac (VHT80), ax (HEW80)	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	a160, ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]

Non-Beamforming_Serving Radio Secondary_1T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	1TX
5.25-5.35GHz	11a20	20	1TX
5.47-5.725GHz	11a20	20	1TX
5.725-5.895GHz	11a20	20	1TX
5.15-5.25GHz	11a40	40	1TX
5.25-5.35GHz	11a40	40	1TX
5.47-5.725GHz	11a40	40	1TX
5.725-5.895GHz	11a40	40	1TX
5.15-5.25GHz	11a80	80	1TX
5.25-5.35GHz	11a80	80	1TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	11a80	80	1TX
5.725-5.895GHz	11a80	80	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
5.725-5.895GHz	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
5.725-5.895GHz	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
5.725-5.895GHz	802.11ax HEW80	80	1TX

Non-Beamforming_Serving Radio Secondary_2T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	2TX
5.25-5.35GHz	11a20	20	2TX
5.47-5.725GHz	11a20	20	2TX
5.725-5.895GHz	11a20	20	2TX
5.15-5.25GHz	11a40	40	2TX
5.25-5.35GHz	11a40	40	2TX
5.47-5.725GHz	11a40	40	2TX
5.725-5.895GHz	11a40	40	2TX
5.15-5.25GHz	11a80	80	2TX
5.25-5.35GHz	11a80	80	2TX
5.47-5.725GHz	11a80	80	2TX
5.725-5.895GHz	11a80	80	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
5.725-5.895GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.895GHz	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
5.725-5.895GHz	802.11ax HEW80	80	2TX

Non-Beamforming_Serving Radio Secondary_4T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	4TX
5.25-5.35GHz	11a20	20	4TX
5.47-5.725GHz	11a20	20	4TX
5.725-5.895GHz	11a20	20	4TX
5.15-5.25GHz	11a40	40	4TX
5.25-5.35GHz	11a40	40	4TX
5.47-5.725GHz	11a40	40	4TX
5.725-5.895GHz	11a40	40	4TX
5.15-5.25GHz	11a80	80	4TX
5.25-5.35GHz	11a80	80	4TX
5.47-5.725GHz	11a80	80	4TX
5.725-5.895GHz	11a80	80	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
5.725-5.895GHz	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
5.725-5.895GHz	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
5.725-5.895GHz	802.11ax HEW80	80	4TX

**Non-Beamforming_Serving Radio Dual_1T1S**

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	1TX
5.25-5.35GHz	11a20	20	1TX
5.47-5.725GHz	11a20	20	1TX
5.725-5.895GHz	11a20	20	1TX
5.15-5.25GHz	11a40	40	1TX
5.25-5.35GHz	11a40	40	1TX
5.47-5.725GHz	11a40	40	1TX
5.725-5.895GHz	11a40	40	1TX
5.15-5.25GHz	11a80	80	1TX
5.25-5.35GHz	11a80	80	1TX
5.47-5.725GHz	11a80	80	1TX
5.725-5.895GHz	11a80	80	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
5.725-5.895GHz	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
5.725-5.895GHz	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
5.725-5.895GHz	802.11ax HEW80	80	1TX

Non-Beamforming_Serving Radio Dual_2T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	2TX(Port 1/5)
5.25-5.35GHz	11a20	20	2TX(Port 1/5)
5.47-5.725GHz	11a20	20	2TX(Port 1/5)
5.725-5.895GHz	11a20	20	2TX(Port 1/5)
5.15-5.25GHz	11a40	40	2TX(Port 1/5)
5.25-5.35GHz	11a40	40	2TX(Port 1/5)
5.47-5.725GHz	11a40	40	2TX(Port 1/5)
5.725-5.895GHz	11a40	40	2TX(Port 1/5)

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a80	80	2TX(Port 1/5)
5.25-5.35GHz	11a80	80	2TX(Port 1/5)
5.47-5.725GHz	11a80	80	2TX(Port 1/5)
5.725-5.895GHz	11a80	80	2TX(Port 1/5)
5.15-5.25GHz	802.11ax HEW20	20	2TX(Port 1/5)
5.25-5.35GHz	802.11ax HEW20	20	2TX(Port 1/5)
5.47-5.725GHz	802.11ax HEW20	20	2TX(Port 1/5)
5.725-5.895GHz	802.11ax HEW20	20	2TX(Port 1/5)
5.15-5.25GHz	802.11ax HEW40	40	2TX(Port 1/5)
5.25-5.35GHz	802.11ax HEW40	40	2TX(Port 1/5)
5.47-5.725GHz	802.11ax HEW40	40	2TX(Port 1/5)
5.725-5.895GHz	802.11ax HEW40	40	2TX(Port 1/5)
5.15-5.25GHz	802.11ax HEW80	80	2TX(Port 1/5)
5.25-5.35GHz	802.11ax HEW80	80	2TX(Port 1/5)
5.47-5.725GHz	802.11ax HEW80	80	2TX(Port 1/5)
5.725-5.895GHz	802.11ax HEW80	80	2TX(Port 1/5)

Non-Beamforming_Serving Radio Dual_4T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	4TX(Port 1/2/5/6)
5.25-5.35GHz	11a20	20	4TX(Port 1/2/5/6)
5.47-5.725GHz	11a20	20	4TX(Port 1/2/5/6)
5.725-5.85GHz	11a20	20	4TX(Port 1/2/5/6)
5.15-5.25GHz	11a40	40	4TX(Port 1/2/5/6)
5.25-5.35GHz	11a40	40	4TX(Port 1/2/5/6)
5.47-5.725GHz	11a40	40	4TX(Port 1/2/5/6)
5.725-5.85GHz	11a40	40	4TX(Port 1/2/5/6)
5.15-5.25GHz	11a80	80	4TX(Port 1/2/5/6)
5.25-5.35GHz	11a80	80	4TX(Port 1/2/5/6)
5.47-5.725GHz	11a80	80	4TX(Port 1/2/5/6)
5.725-5.85GHz	11a80	80	4TX(Port 1/2/5/6)
5.15-5.25GHz	11a80+80	80	2TX(Port 1/2)
5.25-5.35GHz	11a80+80	80	2TX(Port 5/6)
5.47-5.725GHz	11a80+80	160	4TX(Port 1/2/5/6)
5.725-5.85GHz	11a80+80	80	2TX(Port 5/6)



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20	20	4TX(Port 1/2/5/6)
5.25-5.35GHz	802.11ax HEW20	20	4TX(Port 1/2/5/6)
5.47-5.725GHz	802.11ax HEW20	20	4TX(Port 1/2/5/6)
5.725-5.85GHz	802.11ax HEW20	20	4TX(Port 1/2/5/6)
5.15-5.25GHz	802.11ax HEW40	40	4TX(Port 1/2/5/6)
5.25-5.35GHz	802.11ax HEW40	40	4TX(Port 1/2/5/6)
5.47-5.725GHz	802.11ax HEW40	40	4TX(Port 1/2/5/6)
5.725-5.85GHz	802.11ax HEW40	40	4TX(Port 1/2/5/6)
5.15-5.25GHz	802.11ax HEW80	80	4TX(Port 1/2/5/6)
5.25-5.35GHz	802.11ax HEW80	80	4TX(Port 1/2/5/6)
5.47-5.725GHz	802.11ax HEW80	80	4TX(Port 1/2/5/6)
5.725-5.85GHz	802.11ax HEW80	80	4TX(Port 1/2/5/6)
5.15-5.25GHz	802.11ax HEW80+80	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80	80	2TX(Port 5/6)
5.47-5.725GHz	802.11ax HEW80+80	160	4TX(Port 1/2/5/6)
5.725-5.85GHz	802.11ax HEW80+80	80	2TX(Port 5/6)

Non-Beamforming_Serving Radio Dual_8T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	8TX
5.25-5.35GHz	11a20	20	8TX
5.47-5.725GHz	11a20	20	8TX
5.725-5.895GHz	11a20	20	8TX
5.15-5.25GHz	11a40	40	8TX
5.25-5.35GHz	11a40	40	8TX
5.47-5.725GHz	11a40	40	8TX
5.725-5.895GHz	11a40	40	8TX
5.15-5.25GHz	11a80	80	8TX
5.25-5.35GHz	11a80	80	8TX
5.47-5.725GHz	11a80	80	8TX
5.725-5.895GHz	11a80	80	8TX
5.15-5.25GHz	11a80+80	80	4TX(Port 1/2/3/4)
5.25-5.35GHz	11a80+80	80	4TX(Port 5/6/7/8)
5.47-5.725GHz	11a80+80	160	8TX
5.725-5.895GHz	11a80+80	80	4TX(Port 5/6/7/8)



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20	20	8TX
5.25-5.35GHz	802.11ax HEW20	20	8TX
5.47-5.725GHz	802.11ax HEW20	20	8TX
5.725-5.895GHz	802.11ax HEW20	20	8TX
5.15-5.25GHz	802.11ax HEW40	40	8TX
5.25-5.35GHz	802.11ax HEW40	40	8TX
5.47-5.725GHz	802.11ax HEW40	40	8TX
5.725-5.895GHz	802.11ax HEW40	40	8TX
5.15-5.25GHz	802.11ax HEW80	80	8TX
5.25-5.35GHz	802.11ax HEW80	80	8TX
5.47-5.725GHz	802.11ax HEW80	80	8TX
5.725-5.895GHz	802.11ax HEW80	80	8TX
5.15-5.25GHz	802.11ax HEW80+80	80	4TX(Port 1/2/3/4)
5.25-5.35GHz	802.11ax HEW80+80	80	4TX(Port 5/6/7/8)
5.47-5.725GHz	802.11ax HEW80+80	160	8TX
5.725-5.895GHz	802.11ax HEW80+80	80	4TX(Port 5/6/7/8)

Non-Beamforming Scanning Radio 1T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	1TX
5.25-5.35GHz	11a20	20	1TX
5.47-5.725GHz	11a20	20	1TX
5.725-5.85GHz	11a20	20	1TX
5.15-5.25GHz	11a40	40	1TX
5.25-5.35GHz	11a40	40	1TX
5.47-5.725GHz	11a40	40	1TX
5.725-5.85GHz	11a40	40	1TX
5.15-5.25GHz	11a80	80	1TX
5.25-5.35GHz	11a80	80	1TX
5.47-5.725GHz	11a80	80	1TX
5.725-5.85GHz	11a80	80	1TX
5.15-5.25GHz	11a160	160	1TX
5.25-5.35GHz	11a160	160	1TX
5.47-5.725GHz	11a160	160	1TX
5.15-5.25GHz	802.11ax HEW20	20	1TX



Band	Mode	BWch (MHz)	Nant
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
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

Non-Beamforming_Scanning Radio_2T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	11a20	20	2TX
5.25-5.35GHz	11a20	20	2TX
5.47-5.725GHz	11a20	20	2TX
5.725-5.85GHz	11a20	20	2TX
5.15-5.25GHz	11a40	40	2TX
5.25-5.35GHz	11a40	40	2TX
5.47-5.725GHz	11a40	40	2TX
5.725-5.85GHz	11a40	40	2TX
5.15-5.25GHz	11a80	80	2TX
5.25-5.35GHz	11a80	80	2TX
5.47-5.725GHz	11a80	80	2TX
5.725-5.85GHz	11a80	80	2TX
5.15-5.25GHz	11a160	160	2TX
5.25-5.35GHz	11a160	160	2TX
5.47-5.725GHz	11a160	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



Band	Mode	BWch (MHz)	Nant
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

Beamforming_Serving Radio Secondary_2T1S

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

Beamforming_Serving Radio Secondary_4T1S

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



Band	Mode	BWch (MHz)	Nant
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

Beamforming_Serving Radio Dual_4T1S

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
5.725-5.895GHz	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
5.725-5.895GHz	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
5.725-5.895GHz	802.11ax HEW80-BF	80	4TX
5.15-5.25GHz	802.11ax HEW80+80-BF	80	2TX(Port 1/2)
5.25-5.35GHz	802.11ax HEW80+80-BF	80	2TX(Port 5/6)
5.47-5.725GHz	802.11ax HEW80+80-BF	160	4TX
5.725-5.895GHz	802.11ax HEW80+80-BF	80	2TX(Port 5/6)

Beamforming_Serving Radio Dual_8T1S

Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW20-BF	20	8TX
5.25-5.35GHz	802.11ax HEW20-BF	20	8TX
5.47-5.725GHz	802.11ax HEW20-BF	20	8TX
5.725-5.895GHz	802.11ax HEW20-BF	20	8TX
5.15-5.25GHz	802.11ax HEW40-BF	40	8TX
5.25-5.35GHz	802.11ax HEW40-BF	40	8TX
5.47-5.725GHz	802.11ax HEW40-BF	40	8TX
5.725-5.895GHz	802.11ax HEW40-BF	40	8TX



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11ax HEW80-BF	80	8TX
5.25-5.35GHz	802.11ax HEW80-BF	80	8TX
5.47-5.725GHz	802.11ax HEW80-BF	80	8TX
5.725-5.895GHz	802.11ax HEW80-BF	80	8TX
5.15-5.25GHz	802.11ax HEW80+80-BF	80	4TX(Port 1/2/3/4)
5.25-5.35GHz	802.11ax HEW80+80-BF	80	4TX(Port 5/6/7/8)
5.47-5.725GHz	802.11ax HEW80+80-BF	160	8TX
5.725-5.895GHz	802.11ax HEW80+80-BF	80	4TX(Port 5/6/7/8)

Beamforming_Scanning Radio_2T1S

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

Note:

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

1.1.2 Table for 80+80 MHz Mode

Type	Channel No.	Frequency
13	42+58	5210+5290 MHz
14	106+122	5530+5610 MHz
15	122+138	5610+5690 MHz

1.1.3 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Foxconn	361.01530.005	PIFA	I-PEX
2	Foxconn	361.01530.005	PIFA	I-PEX
3	Foxconn	361.01530.005	PIFA	I-PEX
4	Foxconn	361.01530.005	PIFA	I-PEX
5	Foxconn	361.01530.005	Dipole	I-PEX
6	Foxconn	361.01530.005	Dipole	I-PEX
7	Foxconn	361.01530.005	Dipole	I-PEX
8	Foxconn	361.01530.005	Dipole	I-PEX
9	Foxconn	361.01530.005	PIFA	I-PEX
10	Foxconn	361.01530.005	PIFA	I-PEX
11	Foxconn	361.01530.005	PIFA	I-PEX
12	Foxconn	361.01530.005	PIFA	I-PEX
13	Foxconn	361.01530.005	PIFA	I-PEX
14	Foxconn	361.01530.005	PIFA	I-PEX
15	Foxconn	361.01530.005	PIFA	I-PEX

Serving Radio

Ant.	Port	Gain (dBi)					
		2.4G	5G Primary	5G Secondary	5G Dual	6G	BT
1	1	4	5	-	5	-	-
2	2	4	5	-	5	-	-
3	3	4	5	-	5	-	-
4	4	4	5	-	5	-	-
5	5	-	-	5	5	-	-
6	6	-	-	5	5	-	-
7	7	-	-	5	5	-	-
8	8	-	-	5	5	-	-
9	1	-	-				-
10	2	-	-				-
11	3	-	-				-
12	4	-	-				-

Scanning Radio

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
13	1	6	6	6	-
14	2	6	6	6	-

Ant.	Port	Gain (dBi)			
		2.4G	5G	6G	BT
15	1	-	-	-	5

Note 1: The EUT has fifteen antennas.

Note 2: The antenna for dual mode is cross polarized.

For 2.4GHz function:

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

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX)

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

For BT function:

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

Only Ant. 15 (port 1) can be used as transmitting/receiving antenna.

For 5GHz function:

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

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

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

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

Ant. 5 (port 5), Ant. 6 (port 6), Ant. 7 (port 7) and Ant. 8 (port 8) could transmit/receive simultaneously.

For IEEE 802.11 a/n/ac/ax mode (8TX/8RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3), Ant. 4 (port 4), Ant. 5 (port 5), Ant. 6 (port 6), Ant. 7(port 7), and Ant. 8 (port 8) could transmit/receive simultaneously.

For 6GHz function:

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

Ant. 13 (port 1) and Ant. 14 (port 2) could transmit/receive simultaneously.

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

Ant. 9 (port 1), Ant. 10 (port 2), Ant. 11(port 3) and Ant. 12 (port 4) could transmit/receive simultaneously.

1.1.4 EUT Information

Operational Condition			
EUT Power Type	From PoE		
HW Version	V03		
EUT Function	☐ Outdoor AP	☒	Indoor AP
	☐ Fixed P2P AP	☐	Outdoor/Indoor Client
Beamforming Function	☒ With beamforming	☐	Without beamforming
TPC Function	☒ With TPC Function	☐	Without TPC Function
Weather Band	☒ With 5600~5650MHz	☐	Without 5600~5650MHz
Resource Unit(802.11ax)	☒ Full RU	☐	Partial RU
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
☐	Other:		

1.1.5 Mode Test Duty Cycle

Non-Beamforming_Serving Radio Secondary_1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
11a20_Nss1,(6Mbps)_1TX	0.923	0.35	1.433m	1k
11a40_Nss1,(6Mbps)_1TX	0.954	0.2	1.433m	1k
11a80_Nss1,(6Mbps)_1TX	0.954	0.2	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_1TX	0.946	0.24	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_1TX	0.947	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_1TX	0.945	0.25	5.446m	300

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

Non-Beamforming_Serving Radio Secondary_2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_2TX	0.923	0.35	1.433m	1k
11a40_Nss1,(6Mbps)_2TX	0.954	0.2	1.433m	1k
11a80_Nss1,(6Mbps)_2TX	0.954	0.2	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.946	0.24	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.945	0.25	5.446m	300

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

Non-Beamforming_Serving Radio Secondary_4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_4TX	0.923	0.35	1.433m	1k
11a40_Nss1,(6Mbps)_4TX	0.954	0.2	1.433m	1k
11a80_Nss1,(6Mbps)_4TX	0.954	0.2	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.946	0.24	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.945	0.25	5.446m	300

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

Non-Beamforming_Serving Radio Dual_1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_1TX	0.928	0.32	1.433m	1k
11a40_Nss1,(6Mbps)_1TX	0.952	0.21	1.433m	1k
11a80_Nss1,(6Mbps)_1TX	0.921	0.36	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_1TX	0.937	0.28	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_1TX	0.946	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_1TX	0.949	0.23	5.446m	300

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

Non-Beamforming_Serving Radio Dual_2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_2TX(Port1&Port5)	0.928	0.32	1.433m	1k
11a40_Nss1,(6Mbps)_2TX(Port1&Port5)	0.952	0.21	1.433m	1k
11a80_Nss1,(6Mbps)_2TX(Port1&Port5)	0.921	0.36	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX(Port1&Port5)	0.937	0.28	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX(Port1&Port5)	0.946	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_2TX(Port1&Port5)	0.949	0.23	5.446m	300

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

Non-Beamforming_Serving Radio Dual_4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_4TX (Port1&Port2&Port5&Port6)	0.928	0.32	1.433m	1k
11a40_Nss1,(6Mbps)_4TX (Port1&Port2&Port5&Port6)	0.952	0.21	1.433m	1k
11a80_Nss1,(6Mbps)_4TX (Port1&Port2&Port5&Port6)	0.921	0.36	1.433m	1k
11a80+80_Nss1,(6Mbps)_4TX (Port1&Port2&Port5&Port6)	0.922	0.35	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.937	0.28	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.946	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.949	0.23	5.446m	300
802.11ax HEW80+80_Nss2,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.941	0.26	5.446m	300

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

Non-Beamforming_Serving Radio Dual_8T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_8TX	0.928	0.32	1.433m	1k
11a40_Nss1,(6Mbps)_8TX	0.952	0.21	1.433m	1k
11a80_Nss1,(6Mbps)_8TX	0.921	0.36	1.433m	1k
11a80+80_Nss1,(6Mbps)_8TX	0.922	0.35	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_8TX	0.937	0.28	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_8TX	0.946	0.24	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_8TX	0.949	0.23	5.446m	300
802.11ax HEW80+80_Nss1,(MCS0)_8TX	0.941	0.26	5.446m	300

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

Non-Beamforming_Scanning Radio_1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_1TX	0.927	0.33	1.433m	1k
11a40_Nss1,(6Mbps)_1TX	0.905	0.43	1.433m	1k
11a80_Nss1,(6Mbps)_1TX	0.921	0.36	1.433m	1k
11a160_Nss1,(6Mbps)_1TX	0.924	0.34	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_1TX	0.917	0.38	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_1TX	0.936	0.29	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_1TX	0.93	0.32	5.446m	300
802.11ax HEW160_Nss1,(MCS0)_1TX	0.942	0.26	5.446m	300

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

Non-Beamforming_Scanning Radio_2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11a20_Nss1,(6Mbps)_2TX	0.927	0.33	1.433m	1k
11a40_Nss1,(6Mbps)_2TX	0.905	0.43	1.433m	1k
11a80_Nss1,(6Mbps)_2TX	0.921	0.36	1.433m	1k
11a160_Nss1,(6Mbps)_2TX	0.924	0.34	1.433m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.917	0.38	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.936	0.29	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.93	0.32	5.446m	300
802.11ax HEW160_Nss1,(MCS0)_2TX	0.942	0.26	5.446m	300

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

Beamforming_Serving Radio Secondary_2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.946	0.24	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.945	0.25	5.446m	300

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

Beamforming_Serving Radio Secondary_4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.946	0.24	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.947	0.24	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.945	0.25	5.446m	300

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

Beamforming_Serving Radio Dual_4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.937	0.28	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.946	0.24	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.949	0.23	5.446m	300
802.11ax HEW80+80-BF_Nss2,(MCS0)_4TX (Port1&Port2&Port5&Port6)	0.944	0.25	5.453m	300

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

Beamforming_Serving Radio Dual_8T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	0.937	0.28	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	0.946	0.24	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	0.949	0.23	5.446m	300
802.11ax HEW80+80-BF_Nss2,(MCS0)_8TX	0.944	0.25	5.453m	300

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

Beamforming Scanning Radio 2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.917	0.38	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.936	0.29	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.93	0.32	5.446m	300
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.942	0.26	5.446m	300

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

1.2 Testing Applied Standards

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

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

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

- ♦ KDB 662911 D01 v02r01
- ♦ KDB 662911 D02 v01
- ♦ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction (Serving Radio)	CO04-HY	Tony Chang	22.1~23.7°C / 51~60%	27/Aug/2021
AC Conduction (Scanning Radio)	CO04-HY	Nick Wu	21.4~22.8°C / 55~59%	31/May/2023
RF Conducted (Serving Radio)	TH01-HY	Barry Hsiao	24.2~26.9°C / 49~60%	12/Aug/2021~28/Sep/2021
RF Conducted (Scanning Radio)	TH07-HY	Yuna Lin	20.9~23.8°C / 48~60%	15/May/2023~02/Jun/2023
Radiated (Serving Radio)	03CH03-HY	Justin Pan	24.6~26.9°C / 50~55%	13/Aug/2021~30/Sep/2021
Radiated (Scanning Radio)	03CH03-HY	Ivan Chung	22.1~23.4°C / 50~54%	28/May/2023~31/May/2023
Radiated (Co-location)	03CH03-HY	Ivan Chung	22.3~22.5°C / 49~51%	02/Jun/2023
☐ 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))

Serving Radio

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

Scanning Radio & Radiated (Co-location)

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software	Putty
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Non-Beamforming_Serving Radio Secondary_1T1S

Mode	Power Setting
11a20_Nss1,(6Mbps)_1TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_1TX	-
5190MHz	14
5230MHz	17
5270MHz	17
5310MHz	12
5510MHz	14
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_1TX	-
5210MHz	15
5290MHz	12
5530MHz	15
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17



Mode	Power Setting
5775MHz	17
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5190MHz	15
5230MHz	17
5270MHz	17
5310MHz	12
5510MHz	15
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5210MHz	15
5290MHz	12
5530MHz	14
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17

**Non-Beamforming_Serving Radio Secondary_2T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_2TX	-
5180MHz	16
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	16
5500MHz	16
5580MHz	17
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_2TX	-
5190MHz	13
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	13
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_2TX	-
5210MHz	14
5290MHz	11
5530MHz	14
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	16
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	15



Mode	Power Setting
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	15
5500MHz	16
5580MHz	17
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	14
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	13
5290MHz	10
5530MHz	14
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	16

**Non-Beamforming_Serving Radio Secondary_4T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_4TX	-
5180MHz	15
5200MHz	16
5240MHz	17
5260MHz	11
5300MHz	11
5320MHz	10
5500MHz	11
5580MHz	11
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_4TX	-
5190MHz	11
5230MHz	15
5270MHz	14
5310MHz	9
5510MHz	11
5550MHz	14
5670MHz	13
5710MHz Straddle 5.47-5.725GHz	13
5710MHz Straddle 5.725-5.85GHz	13
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_4TX	-
5210MHz	10
5290MHz	9
5530MHz	13
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
5775MHz	14
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	14



Mode	Power Setting
5200MHz	17
5240MHz	17
5260MHz	11
5300MHz	11
5320MHz	10
5500MHz	11
5580MHz	11
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	12
5720MHz Straddle 5.725-5.85GHz	12
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	11
5230MHz	16
5270MHz	14
5310MHz	9
5510MHz	12
5550MHz	15
5670MHz	13
5710MHz Straddle 5.47-5.725GHz	13
5710MHz Straddle 5.725-5.85GHz	13
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	10
5290MHz	8
5530MHz	12
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	16
5690MHz Straddle 5.725-5.85GHz	16
5775MHz	13

**Non-Beamforming_Serving Radio Dual_1T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_1TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	17
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_1TX	-
5190MHz	14
5230MHz	17
5270MHz	17
5310MHz	12
5510MHz	14
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_1TX	-
5210MHz	15
5290MHz	13
5530MHz	16
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	17



Mode	Power Setting
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	14
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5190MHz	15
5230MHz	17
5270MHz	17
5310MHz	13
5510MHz	15
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5210MHz	15
5290MHz	12
5530MHz	15
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17

**Non-Beamforming_Serving Radio Dual_2T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_2TX(Port1&Port5)	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_2TX(Port1&Port5)	-
5190MHz	13
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	14
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_2TX(Port1&Port5)	-
5210MHz	13
5290MHz	12
5530MHz	15
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17
802.11ax HEW20_Nss1,(MCS0)_2TX(Port1&Port5)	-
5180MHz	16



Mode	Power Setting
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	13
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX(Port1&Port5)	-
5190MHz	13
5230MHz	17
5270MHz	17
5310MHz	12
5510MHz	14
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_2TX(Port1&Port5)	-
5210MHz	13
5290MHz	11
5530MHz	13
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17

**Non-Beamforming_Serving Radio Dual_4T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_ 4TX(Port1&Port2&Port5&Port6)	-
5180MHz	15
5200MHz	17
5240MHz	17
5260MHz	15
5300MHz	15
5320MHz	15
5500MHz	15
5580MHz	15
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	15
5720MHz Straddle 5.725-5.85GHz	15
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_ 4TX(Port1&Port2&Port5&Port6)	-
5190MHz	12
5230MHz	16
5270MHz	15
5310MHz	10
5510MHz	12
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_Nss1,(6Mbps)_ 4TX(Port1&Port2&Port5&Port6)	-
5210MHz	13
5290MHz	10
5530MHz	13
5610MHz	15



Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	15
11a80+80_Nss1,(6Mbps)_2TX(Port1&Port2)	-
#5210MHz,5290MHz	10
11a80+80_Nss1,(6Mbps)_2TX(Port5&Port6)	-
5210MHz,#5290MHz	10
11a80+80_Nss1,(6Mbps)_4TX(Port1&Port2&Port5&Port6)	-
#5530MHz,#5610MHz	13
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	16
11a80+80_Nss1,(6Mbps)_2TX(Port5&Port6)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	16
802.11ax HEW20_Nss1,(MCS0)_4TX(Port1&Port2&Port5&Port6)	-
5180MHz	14
5200MHz	17
5240MHz	17
5260MHz	15
5300MHz	15
5320MHz	14
5500MHz	15
5580MHz	15
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	16
5720MHz Straddle 5.725-5.85GHz	16
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_4TX(Port1&Port2&Port5&Port6)	-
5190MHz	13
5230MHz	17
5270MHz	16
5310MHz	10
5510MHz	13



Mode	Power Setting
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
5210MHz	13
5290MHz	9
5530MHz	13
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	15
802.11ax HEW80+80_Nss2,(MCS0)_ 2TX(Port1&Port2)	-
#5210MHz,5290MHz	10
802.11ax HEW80+80_Nss2,(MCS0)_ 2TX(Port5&Port6)	-
5210MHz,#5290MHz	10
802.11ax HEW80+80_Nss2,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
#5530MHz,#5610MHz	13
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	17
802.11ax HEW80+80_Nss2,(MCS0)_ 2TX(Port5&Port6)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	17

**Non-Beamforming_Serving Radio Dual_8T1S**

Mode	Power Setting
11a20_Nss1,(6Mbps)_8TX	-
5180MHz	12
5200MHz	15
5240MHz	15
5260MHz	9
5300MHz	9
5320MHz	9
5500MHz	9
5580MHz	10
5700MHz	9
5720MHz Straddle 5.47-5.725GHz	9
5720MHz Straddle 5.725-5.85GHz	9
5745MHz	17
5785MHz	17
5825MHz	17
11a40_Nss1,(6Mbps)_8TX	-
5190MHz	11
5230MHz	15
5270MHz	12
5310MHz	9
5510MHz	11
5550MHz	13
5670MHz	12
5710MHz Straddle 5.47-5.725GHz	12
5710MHz Straddle 5.725-5.85GHz	12
5755MHz	16
5795MHz	17
11a80_Nss1,(6Mbps)_8TX	-
5210MHz	10
5290MHz	7
5530MHz	11
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	15
5690MHz Straddle 5.725-5.85GHz	15
5775MHz	14
11a80+80_Nss1,(6Mbps)_4TX(Port1&Port2&Port3&Port4)	-



Mode	Power Setting
#5210MHz,5290MHz	5
11a80+80_Nss1,(6Mbps)_ 4TX(Port5&Port6&Port7&Port8)	-
5210MHz,#5290MHz	5
11a80+80_Nss1,(6Mbps)_8TX	-
#5530MHz,#5610MHz	7
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	14
11a80+80_Nss1,(6Mbps)_ 4TX(Port5&Port6&Port7&Port8)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	14
802.11ax HEW20_Nss1,(MCS0)_8TX	-
5180MHz	13
5200MHz	15
5240MHz	15
5260MHz	9
5300MHz	9
5320MHz	9
5500MHz	10
5580MHz	10
5700MHz	9
5720MHz Straddle 5.47-5.725GHz	9
5720MHz Straddle 5.725-5.85GHz	9
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_8TX	-
5190MHz	10
5230MHz	15
5270MHz	12
5310MHz	8
5510MHz	12
5550MHz	12
5670MHz	12
5710MHz Straddle 5.47-5.725GHz	12
5710MHz Straddle 5.725-5.85GHz	12
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_8TX	-



Mode	Power Setting
5210MHz	10
5290MHz	7
5530MHz	11
5610MHz	14
5690MHz Straddle 5.47-5.725GHz	14
5690MHz Straddle 5.725-5.85GHz	14
5775MHz	13
802.11ax HEW80+80_Nss2,(MCS0)_ 4TX(Port1&Port2&Port3&Port4)	-
#5210MHz,5290MHz	5
802.11ax HEW80+80_Nss2,(MCS0)_ 4TX(Port5&Port6&Port7&Port8)	-
5210MHz,#5290MHz	5
802.11ax HEW80+80_Nss2,(MCS0)_8TX	-
#5530MHz,#5610MHz	8
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	14
802.11ax HEW80+80_Nss2,(MCS0)_ 4TX(Port5&Port6&Port7&Port8)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	14

**Beamforming_Serving Radio Secondary_2T1S**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	15
5500MHz	16
5580MHz	17
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	14
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	14
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	13
5290MHz	10
5530MHz	14
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	16

**Beamforming_Serving Radio Secondary_4T1S**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	14
5200MHz	17
5240MHz	17
5260MHz	11
5300MHz	11
5320MHz	10
5500MHz	11
5580MHz	11
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	12
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	11
5230MHz	16
5270MHz	11
5310MHz	9
5510MHz	12
5550MHz	12
5670MHz	11
5710MHz Straddle 5.47-5.725GHz	11
5710MHz Straddle 5.725-5.85GHz	11
5755MHz	17
5795MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	10
5290MHz	8
5530MHz	12
5610MHz	11
5690MHz Straddle 5.47-5.725GHz	11
5690MHz Straddle 5.725-5.85GHz	11
5775MHz	13

**Beamforming_Serving Radio Dual_4T1S**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
5180MHz	14
5200MHz	17
5240MHz	17
5260MHz	15
5300MHz	14
5320MHz	14
5500MHz	15
5580MHz	15
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	14
5720MHz Straddle 5.725-5.85GHz	14
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
5190MHz	13
5230MHz	17
5270MHz	14
5310MHz	10
5510MHz	13
5550MHz	15
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	15
5710MHz Straddle 5.725-5.85GHz	15
5755MHz	17
5795MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
5210MHz	13
5290MHz	9
5530MHz	13
5610MHz	15

Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	15
5690MHz Straddle 5.725-5.85GHz	15
5775MHz	15
802.11ax HEW80+80-BF_Nss2,(MCS0)_ 2TX(Port1&Port2)	-
#5210MHz,5290MHz	10
802.11ax HEW80+80-BF_Nss2,(MCS0)_ 2TX(Port5&Port6)	-
5210MHz,#5290MHz	10
802.11ax HEW80+80-BF_Nss2,(MCS0)_ 4TX(Port1&Port2&Port5&Port6)	-
#5530MHz,#5610MHz	13
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	14
802.11ax HEW80+80-BF_Nss2,(MCS0)_ 2TX(Port5&Port6)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	14

Beamforming_Serving Radio Dual_8T1S

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_8TX	-
5180MHz	13
5200MHz	15
5240MHz	15
5260MHz	9
5300MHz	9
5320MHz	9
5500MHz	10
5580MHz	10
5700MHz	9
5720MHz Straddle 5.47-5.725GHz	9
5720MHz Straddle 5.725-5.85GHz	9
5745MHz	15
5785MHz	15
5825MHz	16
802.11ax HEW40-BF_Nss1,(MCS0)_8TX	-
5190MHz	10
5230MHz	15



Mode	Power Setting
5270MHz	9
5310MHz	8
5510MHz	10
5550MHz	10
5670MHz	9
5710MHz Straddle 5.47-5.725GHz	9
5710MHz Straddle 5.725-5.85GHz	9
5755MHz	15
5795MHz	15
802.11ax HEW80-BF_Nss1,(MCS0)_8TX	-
5210MHz	10
5290MHz	7
5530MHz	9
5610MHz	9
5690MHz Straddle 5.47-5.725GHz	9
5690MHz Straddle 5.725-5.85GHz	9
5775MHz	13
802.11ax HEW80+80-BF_Nss2,(MCS0)_4TX (Port1&Port2&Port3&Port4)	-
#5210MHz,5290MHz	5
802.11ax HEW80+80-BF_Nss2,(MCS0)_4TX (Port5&Port6&Port7&Port8)	-
5210MHz,#5290MHz	5
802.11ax HEW80+80-BF_Nss2,(MCS0)_8TX	-
#5530MHz,#5610MHz	8
#5610MHz,#5690MHz Straddle 5.47-5.725GHz	9
802.11ax HEW80+80-BF_Nss2,(MCS0)_4TX (Port5&Port6&Port7&Port8)	-
5610MHz,#5690MHz Straddle 5.725-5.85GHz	9



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Non-Beamforming_Scanning Radio_1T1S

Mode	Power Setting
11a20_20MHz_Nss1,(6Mbps)_1TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_40MHz_Nss1,(6Mbps)_1TX	-
5190MHz	11
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	11
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_80MHz_Nss1,(6Mbps)_1TX	-
5210MHz	13
5290MHz	11
5530MHz	13
5610MHz	17



Mode	Power Setting
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17
11a160_160MHz_Nss1,(6Mbps)_1TX	-
5250MHz Straddle 5.15-5.25GHz	11
5250MHz Straddle 5.25-5.35GHz	11
5570MHz	12
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5180MHz	17
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	17
5500MHz	17
5580MHz	17
5700MHz	12
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5190MHz	13
5230MHz	17
5270MHz	17
5310MHz	11
5510MHz	13
5550MHz	17
5670MHz	17
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_1TX	-



Mode	Power Setting
5210MHz	13
5290MHz	11
5530MHz	13
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	17
802.11ax HEW160_Nss1,(MCS0)_1TX	-
5250MHz Straddle 5.15-5.25GHz	12
5250MHz Straddle 5.25-5.35GHz	12
5570MHz	13

Non-Beamforming_Scanning Radio_2T1S

Mode	Power Setting
11a20_20MHz_Nss1,(6Mbps)_2TX	-
5180MHz	16
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	16
5500MHz	15
5580MHz	17
5700MHz	15
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
11a40_40MHz_Nss1,(6Mbps)_2TX	-
5190MHz	10
5230MHz	16
5270MHz	16
5310MHz	9
5510MHz	9



Mode	Power Setting
5550MHz	16
5670MHz	13
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
11a80_80MHz_Nss1,(6Mbps)_2TX	-
5210MHz	11
5290MHz	10
5530MHz	12
5610MHz	15
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	15
11a160_160MHz_Nss1,(6Mbps)_2TX	-
5250MHz Straddle 5.15-5.25GHz	10
5250MHz Straddle 5.25-5.35GHz	10
5570MHz	11
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	15
5500MHz	14
5580MHz	17
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	11



Mode	Power Setting
5230MHz	17
5270MHz	17
5310MHz	10
5510MHz	12
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	10
5290MHz	10
5530MHz	12
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	15
802.11ax HEW160_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	10
5250MHz Straddle 5.25-5.35GHz	10
5570MHz	12

Beamforming_Scanning Radio_2T1S

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5180MHz	15
5200MHz	17
5240MHz	17
5260MHz	17
5300MHz	17
5320MHz	15
5500MHz	14
5580MHz	17
5700MHz	10
5720MHz Straddle 5.47-5.725GHz	17



Mode	Power Setting
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	17
5785MHz	17
5825MHz	17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5190MHz	11
5230MHz	17
5270MHz	17
5310MHz	10
5510MHz	12
5550MHz	17
5670MHz	15
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	17
5795MHz	17
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5210MHz	10
5290MHz	10
5530MHz	12
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17
5775MHz	15
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
5250MHz Straddle 5.15-5.25GHz	10
5250MHz Straddle 5.25-5.35GHz	10
5570MHz	12

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; Scanning Radio_2T1S
2	PoE mode; Serving Radio Secondary_4T1S
3	PoE mode; Serving Radio Dual_8T1S

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Conducted Output Power Peak Power Spectral Density Unwanted Emissions
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	Non-Beamforming_Serving Radio Secondary_4T1S		
2	Non-Beamforming_Serving Radio Dual_8T1S		
3	Non-Beamforming_Scanning Radio_2T1S		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT		V	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4G (Serving Radio Primary)+ WLAN 5G (Serving Radio Primary)+ WLAN 5G (Serving Radio Secondary)+ WLAN 6G+ Bluetooth
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	WLAN 2.4G (Serving Radio Primary)+ WLAN 5G (Serving Radio Primary)+ WLAN 5G (Serving Radio Secondary)+ WLAN 6G+ Bluetooth
Refer to Sporton Test Report No.: FA180526-13 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
PoE	Brand Name	DELTA	Model Name	ADH-65AR B
	Power Rating	I/P: 100 - 240 Vac, 2.0 A, O/P: 56 Vdc, 1.161 A		

Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

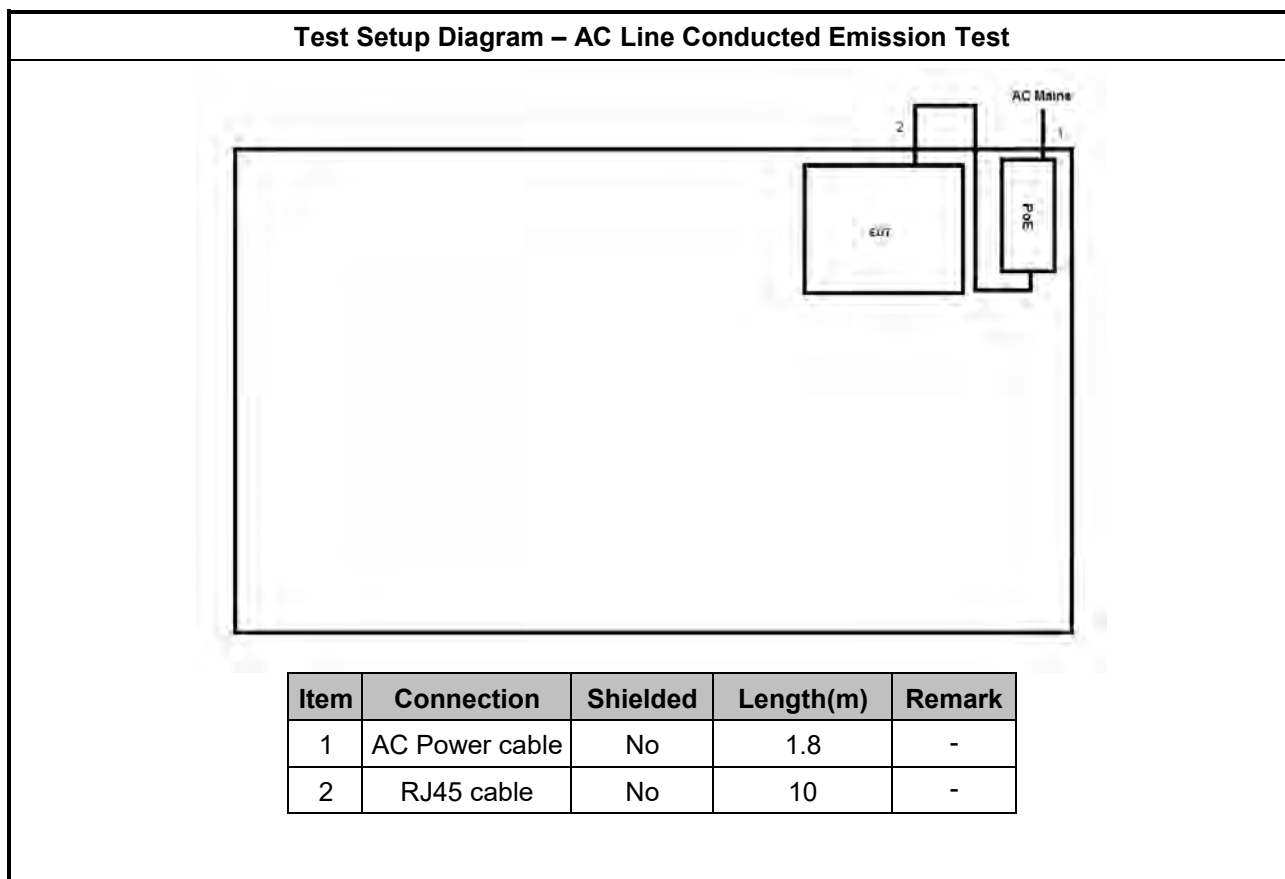
Support Equipment – AC Conduction				
No.	Equipment	Brand Name	Model Name	Remark
1	RJ45 cable	Power sync	CAT-6E-10	-
2	AC Power cable	Power sync	PW-GPC180-3	-

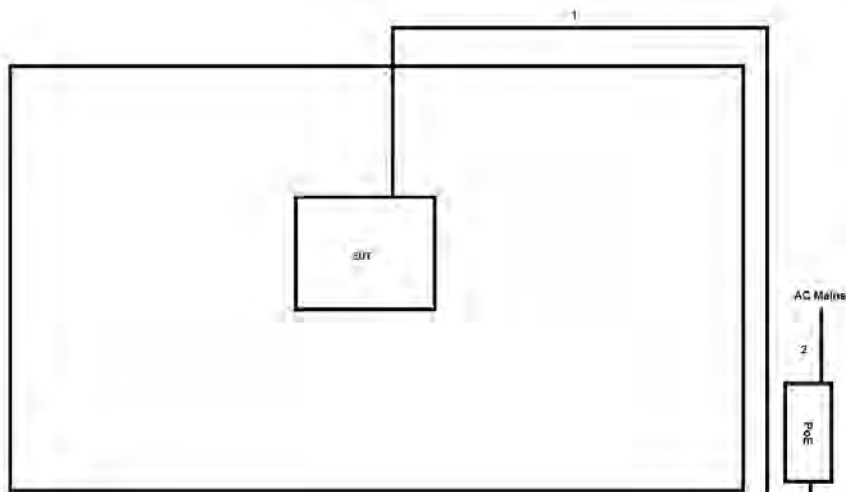
Support Equipment – Conducted				
No.	Equipment	Brand Name	Model Name	Remark
1	Notebook	DELL	E5410	-
2	Adapter for NB	DELL	HA65NM130	-

Support Equipment – Radiated (Serving Radio)				
No.	Equipment	Brand Name	Model Name	Remark
1	RJ45 cable	Power sync	CAT-6E-10	-

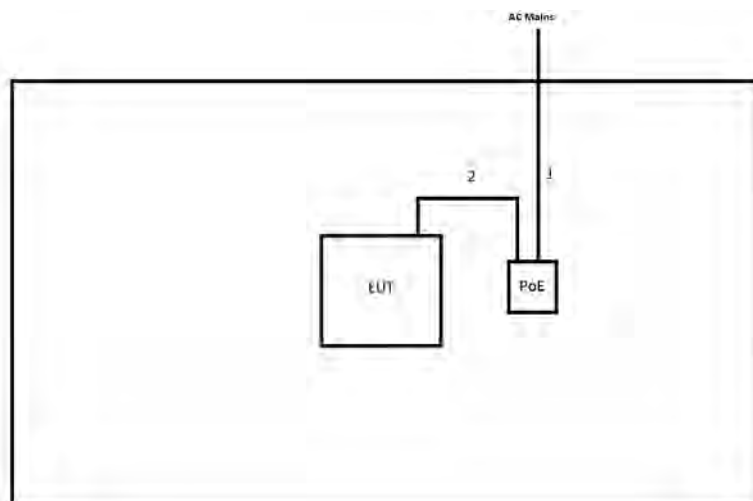
Support Equipment – Radiated (Scanning Radio)				
No.	Equipment	Brand Name	Model Name	Remark
1	RJ45 cable	Power sync	CAT-6E-01	-
2	AC Power cable	Power sync	PW-GPC180-3	-

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test (Serving Radio)


Item	Connection	Shielded	Length(m)	Remark
1	RJ45 cable	No	10	-
2	AC power cable	No	1.8	-

Test Setup Diagram - Radiated Test (Scanning Radio)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	1.0	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

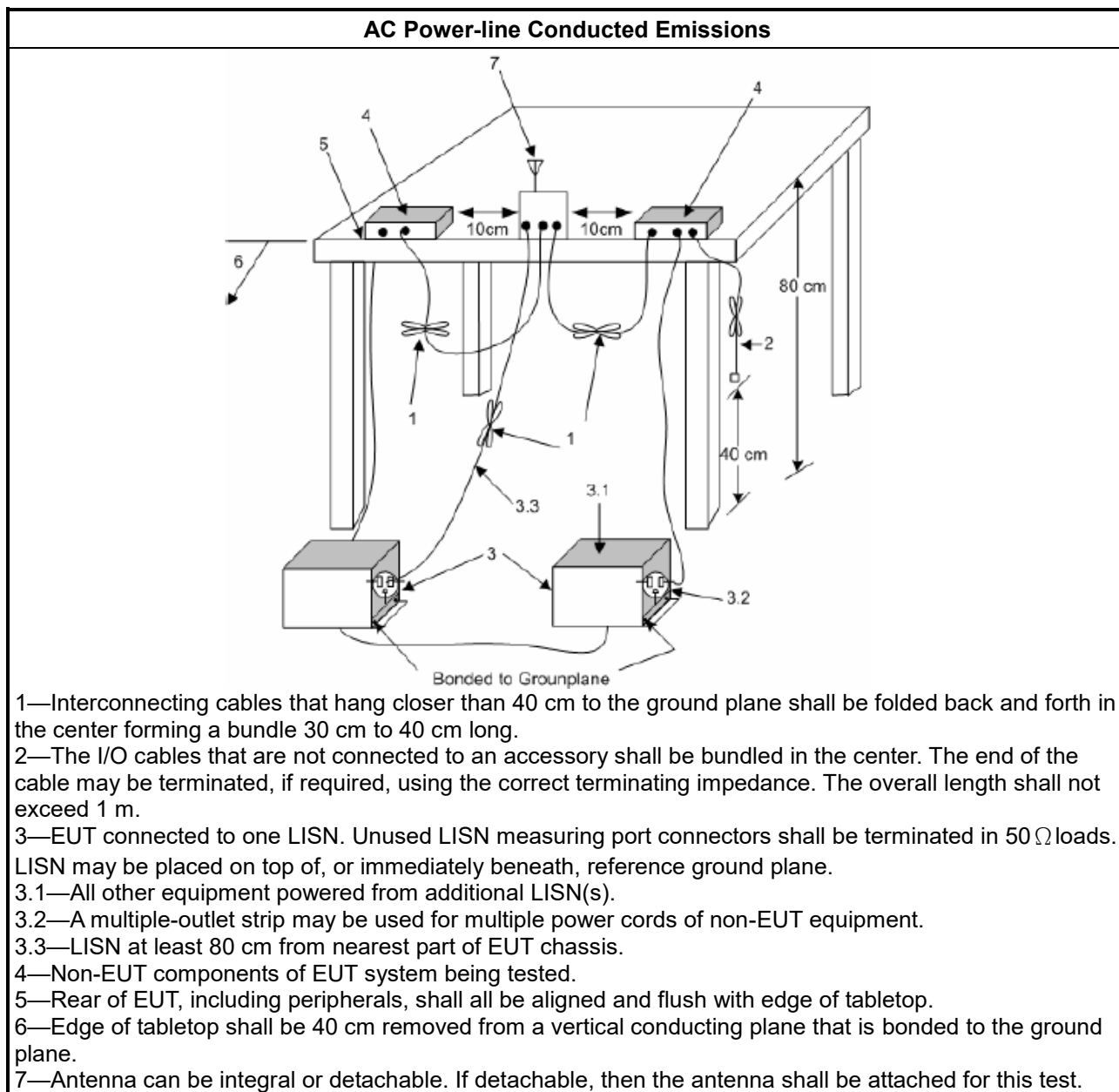
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

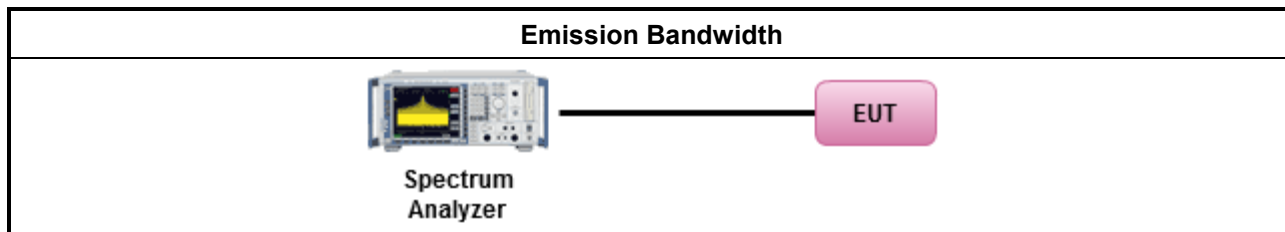
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$.
	Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ 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 $P_{Out} = 24 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

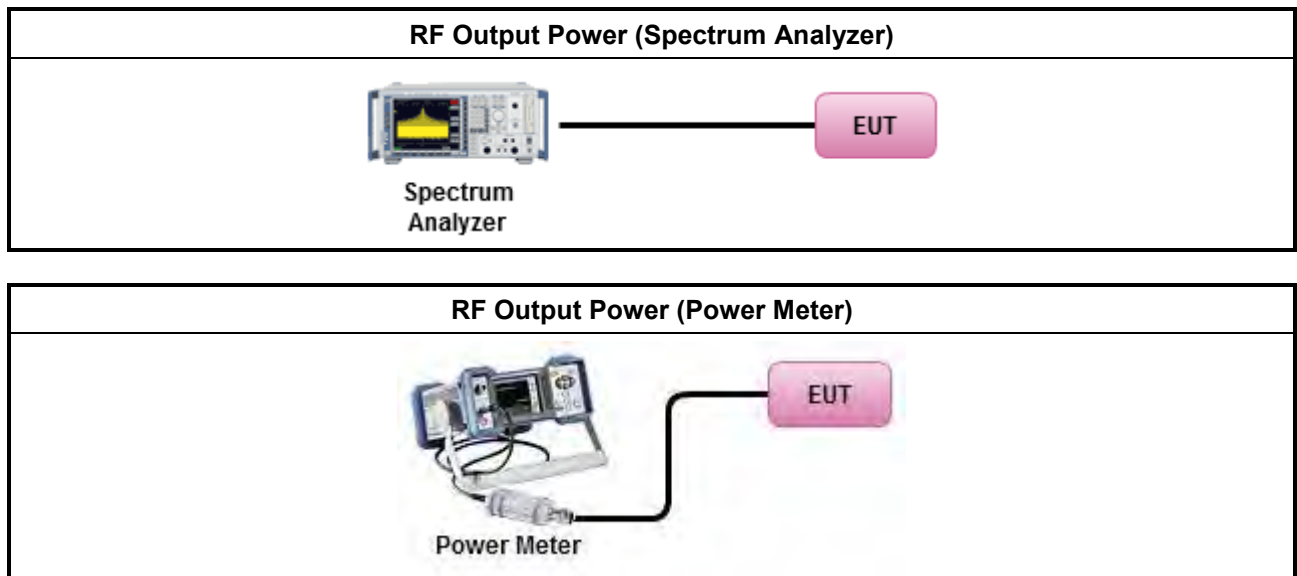
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
For conducted measurement.	
	If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	If multiple transmit chains, EIRP calculation could be following as methods: $P_{\text{total}} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $\text{EIRP}_{\text{total}} = P_{\text{total}} + \text{DG}$

3.3.4 Test Setup



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 17 - (G_{TX} - 6)$.
	Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If $G_{TX} > 23$ dBi, then $P_{Out} = 17 - (G_{TX} - 23)$.
	Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If $G_{TX} > 6$ dBi, then $PPSD = 11 - (G_{TX} - 6)$.	
☒ For the 5.725-5.85 GHz band:	
	Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If $G_{TX} > 6$ dBi, then $PPSD = 30 - (G_{TX} - 6)$.
	Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that the same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz G_{TX} = the maximum transmitting antenna directional gain in dBi.	

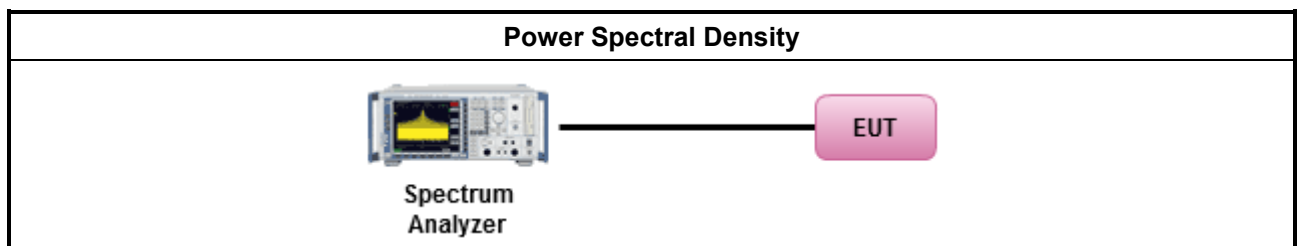
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐ Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth	
Duty cycle ≥ 98%	
☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).	
Duty cycle < 98%	
☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)	
For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☐ Measure and sum the spectra across the outputs. Refer as KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.	
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
	☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	
For conducted and cabinet radiation measurement, refer as KDB 789033, clause G)3).	
	For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.
	For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB
	For KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.

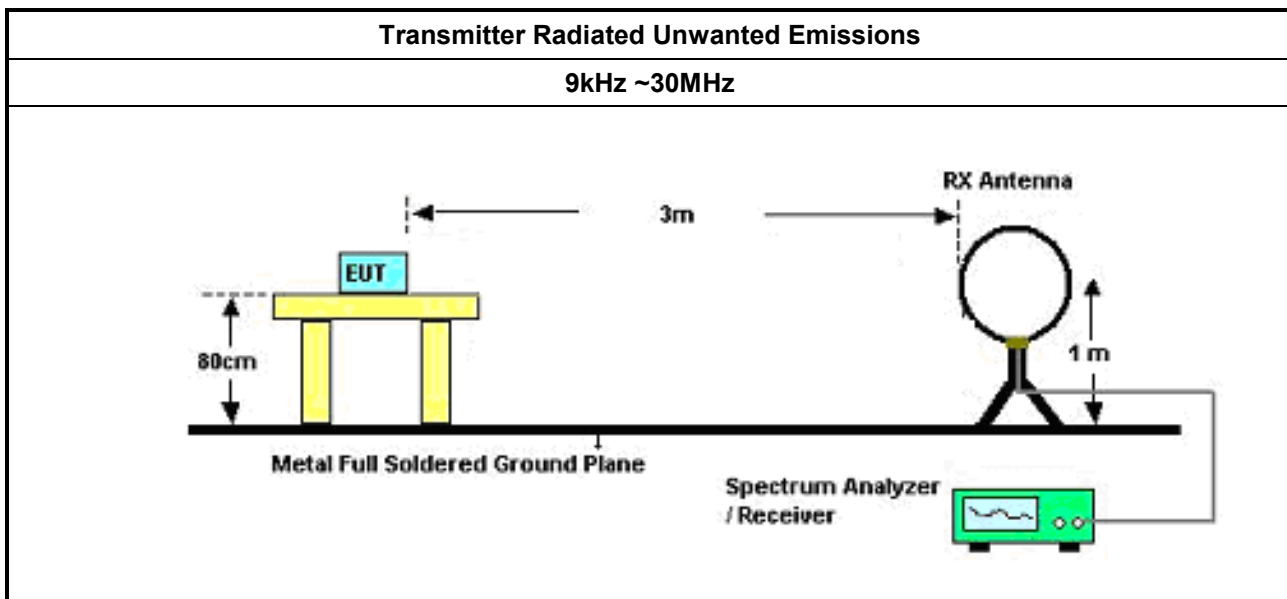
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

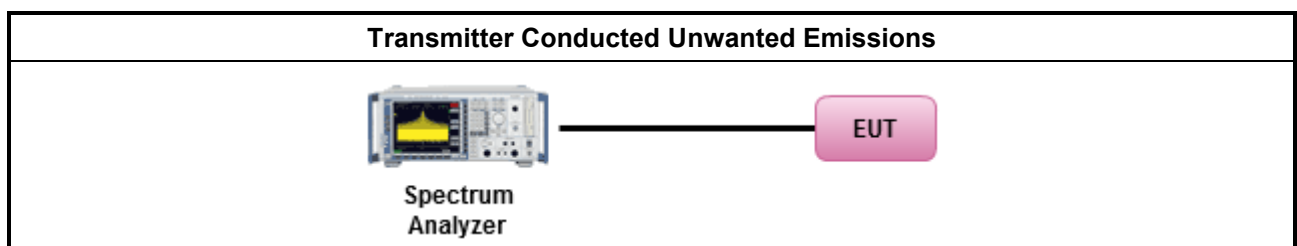
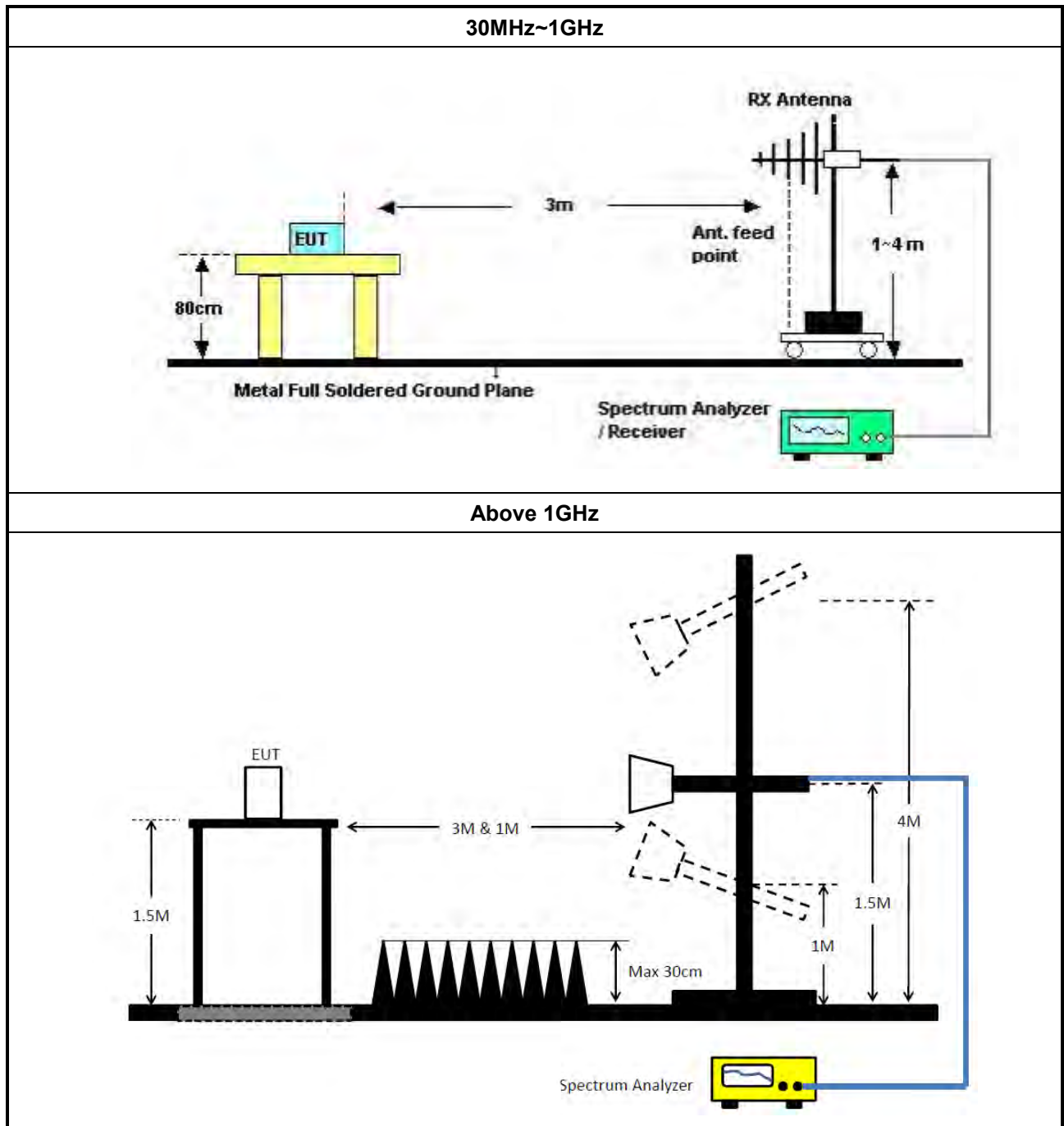
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102052	9kHz ~ 3.6GHz	19/Apr/2021	18/Apr/2022
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable 5m	TITAN	TITAN	CO04-cable-01	0.1MHz~200MHz	03/Mar/2021	02/Mar/2022
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test (Serving Radio)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	23/Feb/2021	22/Feb/2022
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	23/Feb/2021	22/Feb/2022

Instrument for Radiated Test (Serving Radio)

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	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	03/Aug/2021	02/Aug/2022
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	26/Mar/2021	25/Mar/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	13/Apr/2021	12/Apr/2022
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270196	1GHz~26.5GHz	06/Oct/2020	05/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	24/Mar/2021	23/Mar/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	16/Jun/2021	15/Jun/2022
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	17/Mar/2021	16/Mar/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	SN MY38596/4+SN 804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	11/Mar/2021	10/Mar/2022
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	09/Mar/2021	08/Mar/2022
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	19/Apr/2021	18/Apr/2022
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022

Instrument for AC Conduction (Scanning Radio)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102318	9kHz ~ 3.6GHz	29/Dec/2022	28/Dec/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	16/Feb/2023	15/Feb/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
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

Instrument for Conducted Test (Scanning Radio)

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	V5.11.5	N/A	N/A	N/A	N/A

Instrument for Radiated Test (Scanning Radio)

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
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
Amplifier	Aglient	8447D	2944A08033	10kHz~1.3GHz	07/Apr/2023	06/Apr/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/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	03CH03-cable-02	30MHz~1GHz	23/Mar/2023	22/Mar/2024
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	1248	18GHz~40GHz	22/Aug/2022	21/Aug/2023
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR	102318	9kHz~3.6GHz	29/Dec/2022	28/Dec/2023
SENSE_15407_NII	Sporton	V5.11	NA	NA	NA	NA

**Instrument for Radiated Emission (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	1248	18GHz~40GHz	22/Aug/2022	21/Aug/2023
Microwave Prempfier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Prempfier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE_15407_ EMI	Sporton	V5.11	NA	NA	NA	NA



**Conducted Emissions at Powerline_
Non-Beamforming_Scanning Radio_2T1S**

Appendix A.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	440.751k	31.22	47.05	-15.83	Neutral



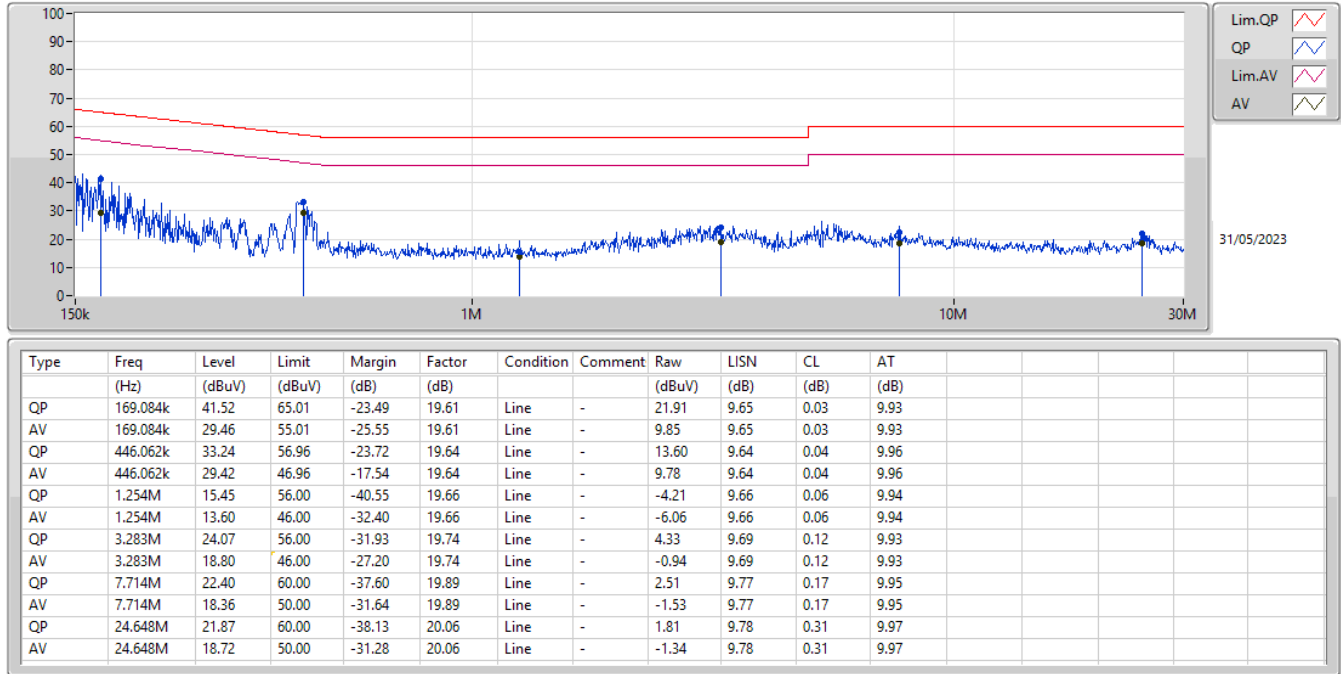
**Conducted Emissions at Powerline
Non-Beamforming Scanning Radio 2T1S**

Appendix A.1

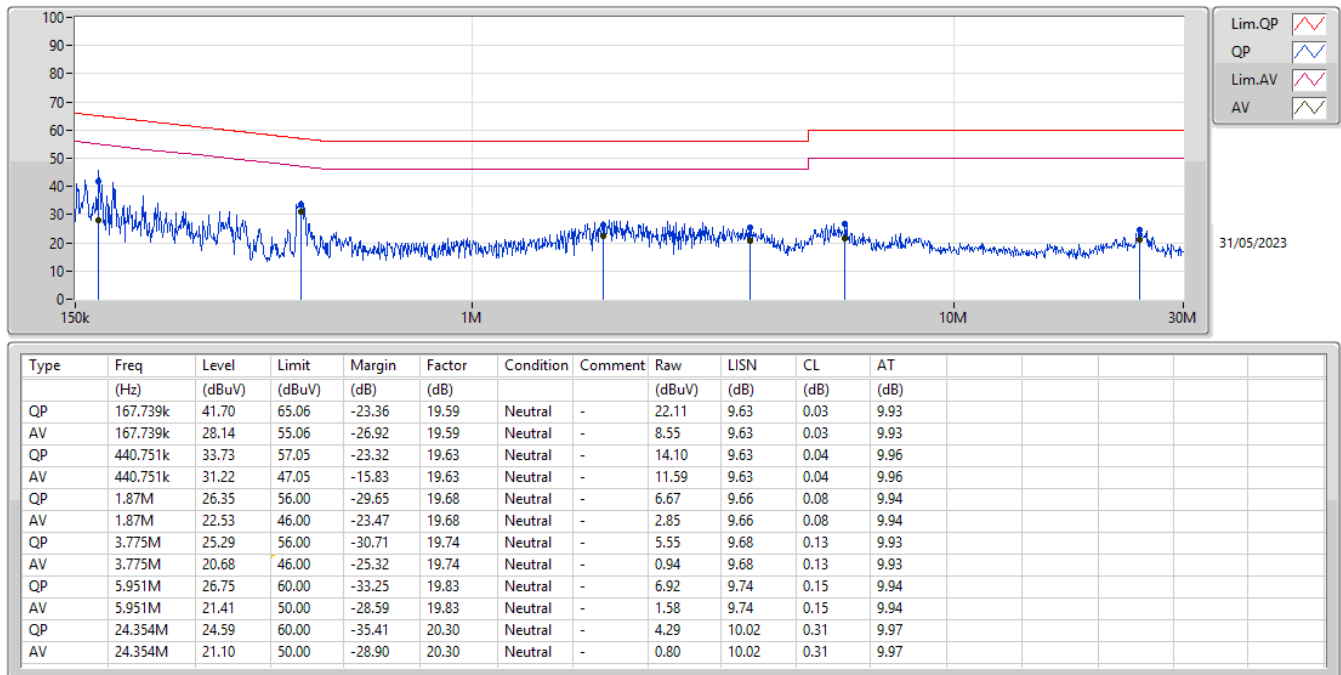
Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	169.084k	41.52	65.01	-23.49	Line	-
Mode 1	Pass	AV	169.084k	29.46	55.01	-25.55	Line	-
Mode 1	Pass	QP	446.062k	33.24	56.96	-23.72	Line	-
Mode 1	Pass	AV	446.062k	29.42	46.96	-17.54	Line	-
Mode 1	Pass	QP	1.254M	15.45	56.00	-40.55	Line	-
Mode 1	Pass	AV	1.254M	13.60	46.00	-32.40	Line	-
Mode 1	Pass	QP	3.283M	24.07	56.00	-31.93	Line	-
Mode 1	Pass	AV	3.283M	18.80	46.00	-27.20	Line	-
Mode 1	Pass	QP	7.714M	22.40	60.00	-37.60	Line	-
Mode 1	Pass	AV	7.714M	18.36	50.00	-31.64	Line	-
Mode 1	Pass	QP	24.648M	21.87	60.00	-38.13	Line	-
Mode 1	Pass	AV	24.648M	18.72	50.00	-31.28	Line	-
Mode 1	Pass	QP	167.739k	41.70	65.06	-23.36	Neutral	-
Mode 1	Pass	AV	167.739k	28.14	55.06	-26.92	Neutral	-
Mode 1	Pass	QP	440.751k	33.73	57.05	-23.32	Neutral	-
Mode 1	Pass	AV	440.751k	31.22	47.05	-15.83	Neutral	-
Mode 1	Pass	QP	1.87M	26.35	56.00	-29.65	Neutral	-
Mode 1	Pass	AV	1.87M	22.53	46.00	-23.47	Neutral	-
Mode 1	Pass	QP	3.775M	25.29	56.00	-30.71	Neutral	-
Mode 1	Pass	AV	3.775M	20.68	46.00	-25.32	Neutral	-
Mode 1	Pass	QP	5.951M	26.75	60.00	-33.25	Neutral	-
Mode 1	Pass	AV	5.951M	21.41	50.00	-28.59	Neutral	-
Mode 1	Pass	QP	24.354M	24.59	60.00	-35.41	Neutral	-
Mode 1	Pass	AV	24.354M	21.10	50.00	-28.90	Neutral	-

Conducted Emissions at Powerline_Mode 1



Conducted Emissions at Powerline_Mode 1





**Conducted Emissions at Powerline_
Non-Beamforming_Serving Radio Secondary_4T1S**

Appendix A.2

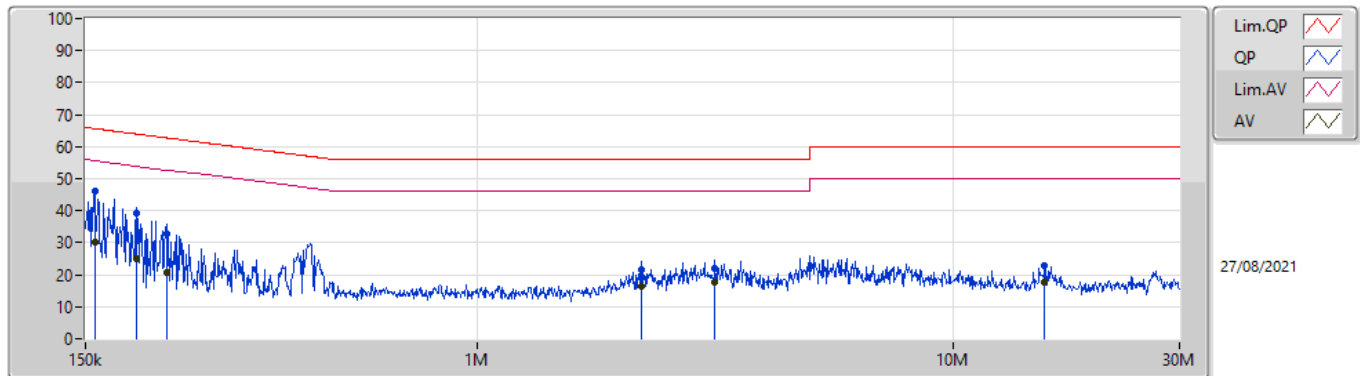
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.734k	45.91	65.64	-19.73	Line

Result

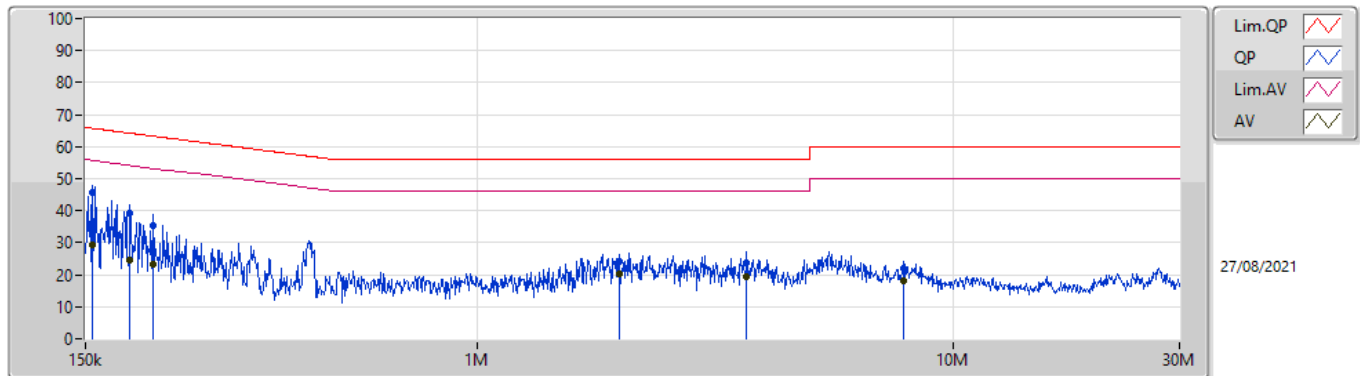
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.734k	45.91	65.64	-19.73	Line	-
Mode 1	Pass	AV	156.734k	30.13	55.64	-25.51	Line	-
Mode 1	Pass	QP	192.124k	39.30	63.93	-24.63	Line	-
Mode 1	Pass	AV	192.124k	24.98	53.93	-28.95	Line	-
Mode 1	Pass	QP	221.817k	32.84	62.75	-29.91	Line	-
Mode 1	Pass	AV	221.817k	20.83	52.75	-31.92	Line	-
Mode 1	Pass	QP	2.211M	21.61	56.00	-34.39	Line	-
Mode 1	Pass	AV	2.211M	16.41	46.00	-29.59	Line	-
Mode 1	Pass	QP	3.167M	21.87	56.00	-34.13	Line	-
Mode 1	Pass	AV	3.167M	17.68	46.00	-28.32	Line	-
Mode 1	Pass	QP	15.636M	23.00	60.00	-37.00	Line	-
Mode 1	Pass	AV	15.636M	17.70	50.00	-32.30	Line	-
Mode 1	Pass	QP	155.487k	45.86	65.69	-19.83	Neutral	-
Mode 1	Pass	AV	155.487k	29.37	55.69	-26.32	Neutral	-
Mode 1	Pass	QP	186.085k	39.02	64.20	-25.18	Neutral	-
Mode 1	Pass	AV	186.085k	24.49	54.20	-29.71	Neutral	-
Mode 1	Pass	QP	208.092k	35.29	63.28	-27.99	Neutral	-
Mode 1	Pass	AV	208.092k	23.33	53.28	-29.95	Neutral	-
Mode 1	Pass	QP	1.985M	24.16	56.00	-31.84	Neutral	-
Mode 1	Pass	AV	1.985M	20.10	46.00	-25.90	Neutral	-
Mode 1	Pass	QP	3.686M	23.72	56.00	-32.28	Neutral	-
Mode 1	Pass	AV	3.686M	19.45	46.00	-26.55	Neutral	-
Mode 1	Pass	QP	7.869M	21.93	60.00	-38.07	Neutral	-
Mode 1	Pass	AV	7.869M	18.21	50.00	-31.79	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	45.91	65.64	-19.73	19.63	Line	-	26.28	9.69	0.04	9.90			
AV	156.734k	30.13	55.64	-25.51	19.63	Line	-	10.50	9.69	0.04	9.90			
QP	192.124k	39.30	63.93	-24.63	19.62	Line	-	19.68	9.68	0.04	9.90			
AV	192.124k	24.98	53.93	-28.95	19.62	Line	-	5.36	9.68	0.04	9.90			
QP	221.817k	32.84	62.75	-29.91	19.62	Line	-	13.22	9.68	0.04	9.90			
AV	221.817k	20.83	52.75	-31.92	19.62	Line	-	1.21	9.68	0.04	9.90			
QP	2.211M	21.61	56.00	-34.39	19.60	Line	-	2.01	9.68	0.11	9.81			
AV	2.211M	16.41	46.00	-29.59	19.60	Line	-	-3.19	9.68	0.11	9.81			
QP	3.167M	21.87	56.00	-34.13	19.69	Line	-	2.18	9.69	0.13	9.87			
AV	3.167M	17.68	46.00	-28.32	19.69	Line	-	-2.01	9.69	0.13	9.87			
QP	15.636M	23.00	60.00	-37.00	19.85	Line	-	3.15	9.69	0.26	9.90			
AV	15.636M	17.70	50.00	-32.30	19.85	Line	-	-2.15	9.69	0.26	9.90			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	155.487k	45.86	65.69	-19.83	19.63	Neutral	-	26.23	9.69	0.04	9.90			
AV	155.487k	29.37	55.69	-26.32	19.63	Neutral	-	9.74	9.69	0.04	9.90			
QP	186.085k	39.02	64.20	-25.18	19.62	Neutral	-	19.40	9.68	0.04	9.90			
AV	186.085k	24.49	54.20	-29.71	19.62	Neutral	-	4.87	9.68	0.04	9.90			
QP	208.092k	35.29	63.28	-27.99	19.62	Neutral	-	15.67	9.68	0.04	9.90			
AV	208.092k	23.33	53.28	-29.95	19.62	Neutral	-	3.71	9.68	0.04	9.90			
QP	1.985M	24.16	56.00	-31.84	19.58	Neutral	-	4.58	9.68	0.10	9.80			
AV	1.985M	20.10	46.00	-25.90	19.58	Neutral	-	0.52	9.68	0.10	9.80			
QP	3.686M	23.72	56.00	-32.28	19.72	Neutral	-	4.00	9.69	0.14	9.89			
AV	3.686M	19.45	46.00	-26.55	19.72	Neutral	-	-0.27	9.69	0.14	9.89			
QP	7.869M	21.93	60.00	-38.07	19.80	Neutral	-	2.13	9.72	0.18	9.90			
AV	7.869M	18.21	50.00	-31.79	19.80	Neutral	-	-1.59	9.72	0.18	9.90			



**Conducted Emissions at Powerline_
Non-Beamforming_Serving Radio Dual_8T1S**

Appendix A.3

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	156.734k	46.14	65.64	-19.50	Line



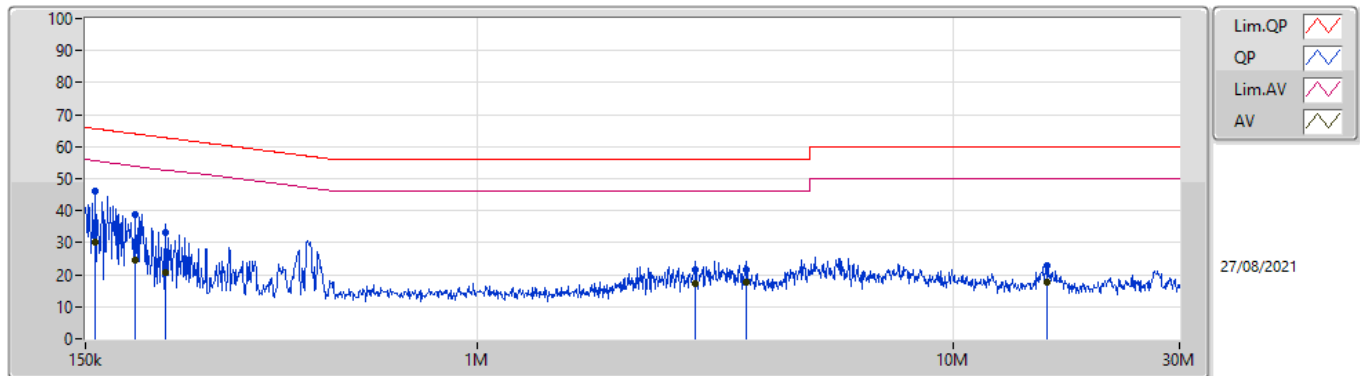
**Conducted Emissions at Powerline_
Non-Beamforming_Serving Radio Dual_8T1S**

Appendix A.3

Result

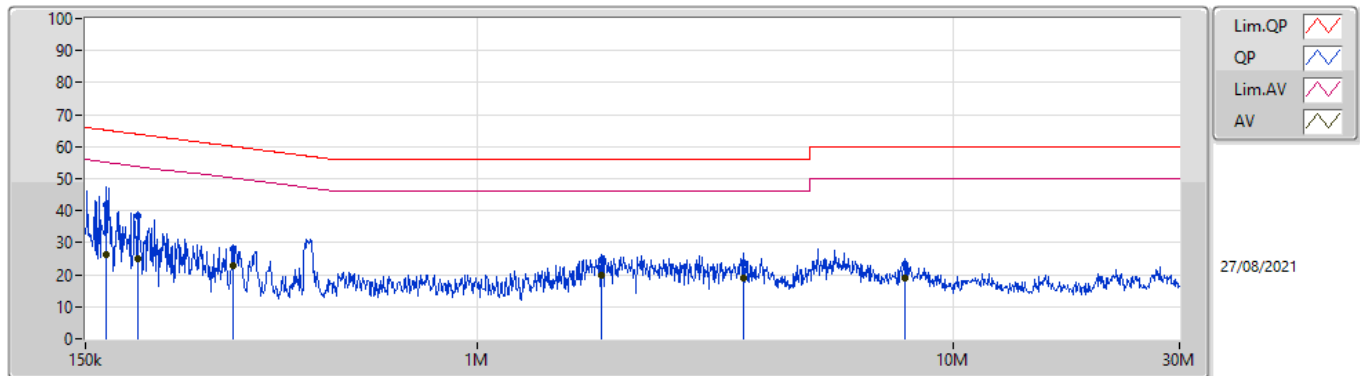
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	156.734k	46.14	65.64	-19.50	Line	-
Mode 1	Pass	AV	156.734k	30.12	55.64	-25.52	Line	-
Mode 1	Pass	QP	191.358k	38.69	63.97	-25.28	Line	-
Mode 1	Pass	AV	191.358k	24.78	53.97	-29.19	Line	-
Mode 1	Pass	QP	220.933k	33.15	62.79	-29.64	Line	-
Mode 1	Pass	AV	220.933k	20.87	52.79	-31.92	Line	-
Mode 1	Pass	QP	2.866M	21.62	56.00	-34.38	Line	-
Mode 1	Pass	AV	2.866M	17.38	46.00	-28.62	Line	-
Mode 1	Pass	QP	3.671M	21.65	56.00	-34.35	Line	-
Mode 1	Pass	AV	3.671M	17.49	46.00	-28.51	Line	-
Mode 1	Pass	QP	15.762M	22.88	60.00	-37.12	Line	-
Mode 1	Pass	AV	15.762M	17.63	50.00	-32.37	Line	-
Mode 1	Pass	QP	165.743k	41.99	65.18	-23.19	Neutral	-
Mode 1	Pass	AV	165.743k	26.30	55.18	-28.88	Neutral	-
Mode 1	Pass	QP	193.664k	38.18	63.88	-25.70	Neutral	-
Mode 1	Pass	AV	193.664k	25.20	53.88	-28.68	Neutral	-
Mode 1	Pass	QP	306.497k	28.16	60.07	-31.91	Neutral	-
Mode 1	Pass	AV	306.497k	22.84	50.07	-27.23	Neutral	-
Mode 1	Pass	QP	1.826M	24.44	56.00	-31.56	Neutral	-
Mode 1	Pass	AV	1.826M	19.90	46.00	-26.10	Neutral	-
Mode 1	Pass	QP	3.642M	23.87	56.00	-32.13	Neutral	-
Mode 1	Pass	AV	3.642M	18.95	46.00	-27.05	Neutral	-
Mode 1	Pass	QP	7.964M	23.37	60.00	-36.63	Neutral	-
Mode 1	Pass	AV	7.964M	19.08	50.00	-30.92	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	46.14	65.64	-19.50	19.63	Line	-	26.51	9.69	0.04	9.90			
AV	156.734k	30.12	55.64	-25.52	19.63	Line	-	10.49	9.69	0.04	9.90			
QP	191.358k	38.69	63.97	-25.28	19.62	Line	-	19.07	9.68	0.04	9.90			
AV	191.358k	24.78	53.97	-29.19	19.62	Line	-	5.16	9.68	0.04	9.90			
QP	220.933k	33.15	62.79	-29.64	19.62	Line	-	13.53	9.68	0.04	9.90			
AV	220.933k	20.87	52.79	-31.92	19.62	Line	-	1.25	9.68	0.04	9.90			
QP	2.866M	21.62	56.00	-34.38	19.66	Line	-	1.96	9.69	0.12	9.85			
AV	2.866M	17.38	46.00	-28.62	19.66	Line	-	-2.28	9.69	0.12	9.85			
QP	3.671M	21.65	56.00	-34.35	19.72	Line	-	1.93	9.69	0.14	9.89			
AV	3.671M	17.49	46.00	-28.51	19.72	Line	-	-2.23	9.69	0.14	9.89			
QP	15.762M	22.88	60.00	-37.12	19.85	Line	-	3.03	9.69	0.26	9.90			
AV	15.762M	17.63	50.00	-32.37	19.85	Line	-	-2.22	9.69	0.26	9.90			

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	165.743k	41.99	65.18	-23.19	19.63	Neutral	-	22.36	9.69	0.04	9.90			
AV	165.743k	26.30	55.18	-28.88	19.63	Neutral	-	6.67	9.69	0.04	9.90			
QP	193.664k	38.18	63.88	-25.70	19.62	Neutral	-	18.56	9.68	0.04	9.90			
AV	193.664k	25.20	53.88	-28.68	19.62	Neutral	-	5.58	9.68	0.04	9.90			
QP	306.497k	28.16	60.07	-31.91	19.62	Neutral	-	8.54	9.67	0.05	9.90			
AV	306.497k	22.84	50.07	-27.23	19.62	Neutral	-	3.22	9.67	0.05	9.90			
QP	1.826M	24.44	56.00	-31.56	19.58	Neutral	-	4.86	9.68	0.10	9.80			
AV	1.826M	19.90	46.00	-26.10	19.58	Neutral	-	0.32	9.68	0.10	9.80			
QP	3.642M	23.87	56.00	-32.13	19.71	Neutral	-	4.16	9.69	0.13	9.89			
AV	3.642M	18.95	46.00	-27.05	19.71	Neutral	-	-0.76	9.69	0.13	9.89			
QP	7.964M	23.37	60.00	-36.63	19.81	Neutral	-	3.56	9.72	0.19	9.90			
AV	7.964M	19.08	50.00	-30.92	19.81	Neutral	-	-0.73	9.72	0.19	9.90			

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.17M	16.342M	16M3D1D	18.93M	16.252M
11a40_Nss1,(6Mbps)_1TX	40.14M	36.342M	36M3D1D	39.84M	35.982M
11a80_Nss1,(6Mbps)_1TX	81.96M	76.042M	76M0D1D	81.96M	76.042M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.3M	19.04M	19M0D1D	20.67M	18.711M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.86M	38.081M	38M1D1D	40.8M	37.961M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.96M	77.241M	77M2D1D	81.96M	77.241M
5.25-5.35GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.47M	16.462M	16M5D1D	19.2M	16.312M
11a40_Nss1,(6Mbps)_1TX	40.44M	36.582M	36M6D1D	40.02M	36.162M
11a80_Nss1,(6Mbps)_1TX	81.36M	75.682M	75M7D1D	81.36M	75.682M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.15M	19.04M	19M0D1D	20.97M	18.951M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.98M	37.961M	38M0D1D	40.92M	37.901M
802.11ax HEW80_Nss1,(MCS0)_1TX	81.6M	77.241M	77M2D1D	81.6M	77.241M
5.47-5.725GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.89M	16.522M	16M5D1D	15.285M	13.178M
11a40_Nss1,(6Mbps)_1TX	41.1M	36.642M	36M6D1D	36.155M	33.268M
11a80_Nss1,(6Mbps)_1TX	82.32M	76.402M	76M4D1D	76.275M	72.789M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.51M	19.01M	19M0D1D	15.375M	14.483M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.92M	38.021M	38M0D1D	35.77M	33.723M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.08M	77.241M	77M2D1D	75.9M	72.639M
5.725-5.85GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	16.05M	16.582M	16M6D1D	3.16M	3.938M
11a40_Nss1,(6Mbps)_1TX	35.04M	37.061M	37M1D1D	3.1M	18.911M
11a80_Nss1,(6Mbps)_1TX	75.12M	76.042M	76M0D1D	3.16M	10.035M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.96M	19.1M	19M1D1D	4.56M	4.658M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.92M	38.261M	38M3D1D	4.06M	4.598M
802.11ax HEW80_Nss1,(MCS0)_1TX	76.2M	77.721M	77M7D1D	4.12M	11.234M

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)
11a20_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	18.93M	16.252M
5200MHz	Pass	Inf	18.93M	16.282M
5240MHz	Pass	Inf	19.17M	16.342M
5260MHz	Pass	Inf	19.47M	16.462M
5300MHz	Pass	Inf	19.2M	16.372M
5320MHz	Pass	Inf	19.2M	16.312M
5500MHz	Pass	Inf	19.14M	16.282M
5580MHz	Pass	Inf	19.5M	16.522M
5700MHz	Pass	Inf	19.89M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.285M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.938M
5745MHz	Pass	500k	16.05M	16.582M
5785MHz	Pass	500k	15.06M	16.372M
5825MHz	Pass	500k	15.09M	16.462M
11a40_Nss1,(6Mbps)_1TX	-	-	-	-
5190MHz	Pass	Inf	39.84M	35.982M
5230MHz	Pass	Inf	40.14M	36.342M
5270MHz	Pass	Inf	40.44M	36.582M
5310MHz	Pass	Inf	40.02M	36.162M
5510MHz	Pass	Inf	40.44M	36.642M
5550MHz	Pass	Inf	41.1M	36.282M
5670MHz	Pass	Inf	40.8M	36.462M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.155M	33.268M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.1M	18.911M
5755MHz	Pass	500k	35.04M	37.061M
5795MHz	Pass	500k	32.94M	36.702M
11a80_Nss1,(6Mbps)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.96M	76.042M
5290MHz	Pass	Inf	81.36M	75.682M
5530MHz	Pass	Inf	82.32M	76.402M
5610MHz	Pass	Inf	81.84M	76.162M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.275M	72.789M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	10.035M
5775MHz	Pass	500k	75.12M	76.042M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	20.67M	18.711M
5200MHz	Pass	Inf	21.21M	19.04M
5240MHz	Pass	Inf	21.3M	18.981M
5260MHz	Pass	Inf	20.97M	18.951M
5300MHz	Pass	Inf	21.15M	19.01M
5320MHz	Pass	Inf	21.15M	19.04M
5500MHz	Pass	Inf	20.76M	18.741M
5580MHz	Pass	Inf	21.51M	19.01M
5700MHz	Pass	Inf	21M	18.981M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.375M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.56M	4.658M
5745MHz	Pass	500k	18.36M	18.981M
5785MHz	Pass	500k	18.96M	19.1M
5825MHz	Pass	500k	18.9M	19.1M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.86M	38.081M
5230MHz	Pass	Inf	40.8M	37.961M
5270MHz	Pass	Inf	40.92M	37.901M
5310MHz	Pass	Inf	40.98M	37.961M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5510MHz	Pass	Inf	40.86M	37.721M
5550MHz	Pass	Inf	40.92M	38.021M
5670MHz	Pass	Inf	40.74M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.77M	33.723M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.598M
5755MHz	Pass	500k	37.68M	38.201M
5795MHz	Pass	500k	37.92M	38.261M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.96M	77.241M
5290MHz	Pass	Inf	81.6M	77.241M
5530MHz	Pass	Inf	82.08M	77.241M
5610MHz	Pass	Inf	81.84M	77.241M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.9M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.12M	11.234M
5775MHz	Pass	500k	76.2M	77.721M

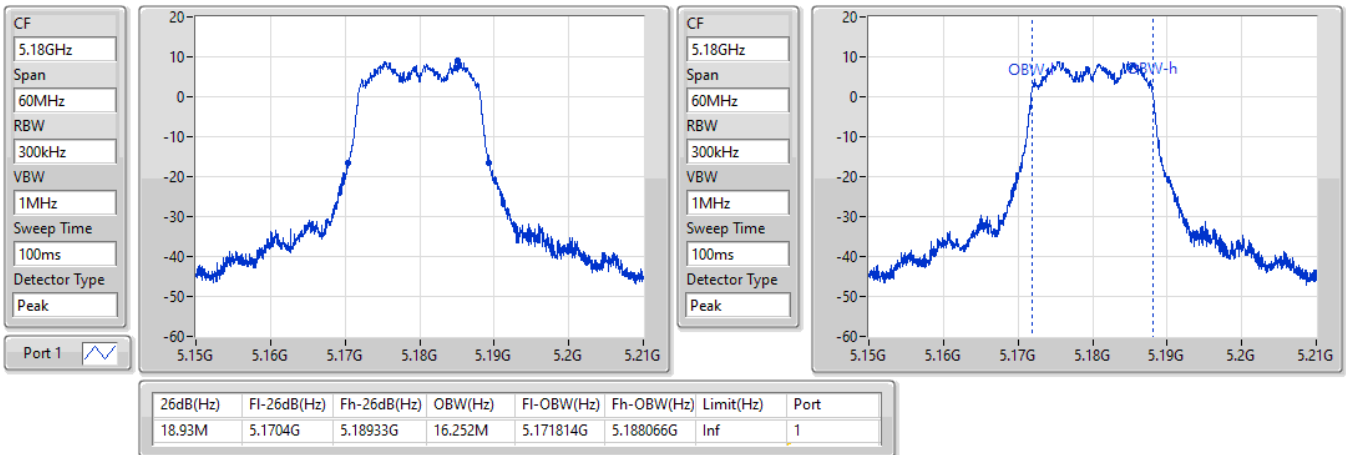
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

11a20_Nss1,(6Mbps)_1TX

EBW

5180MHz

25/08/2021

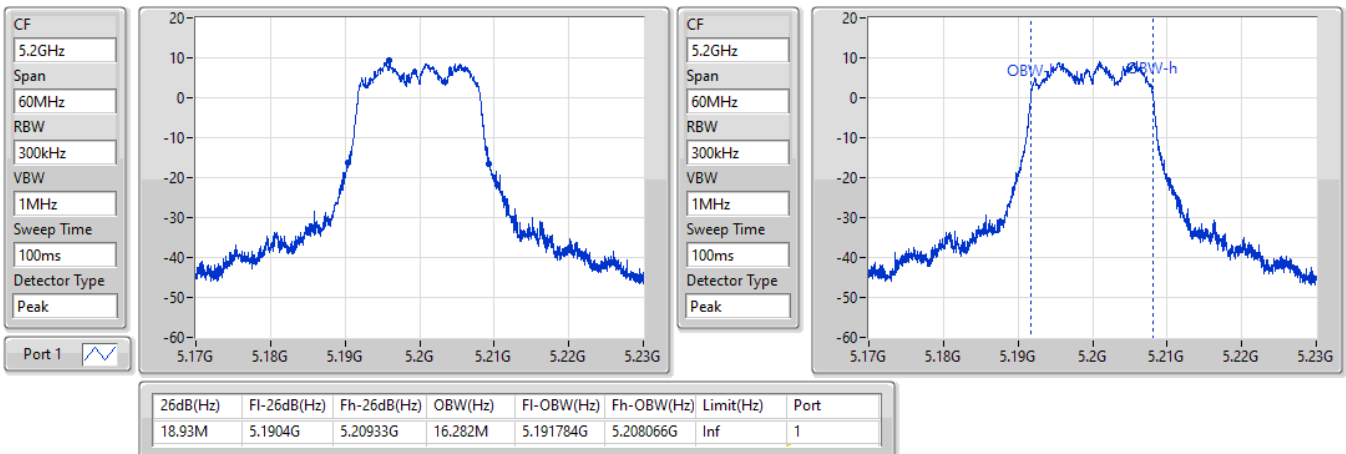


11a20_Nss1,(6Mbps)_1TX

EBW

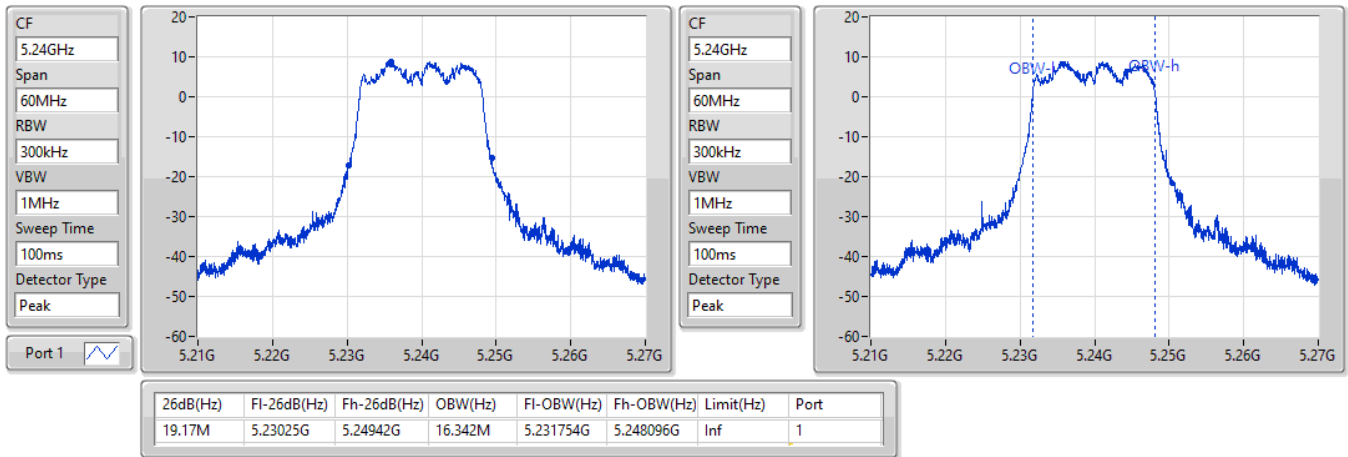
5200MHz

25/08/2021

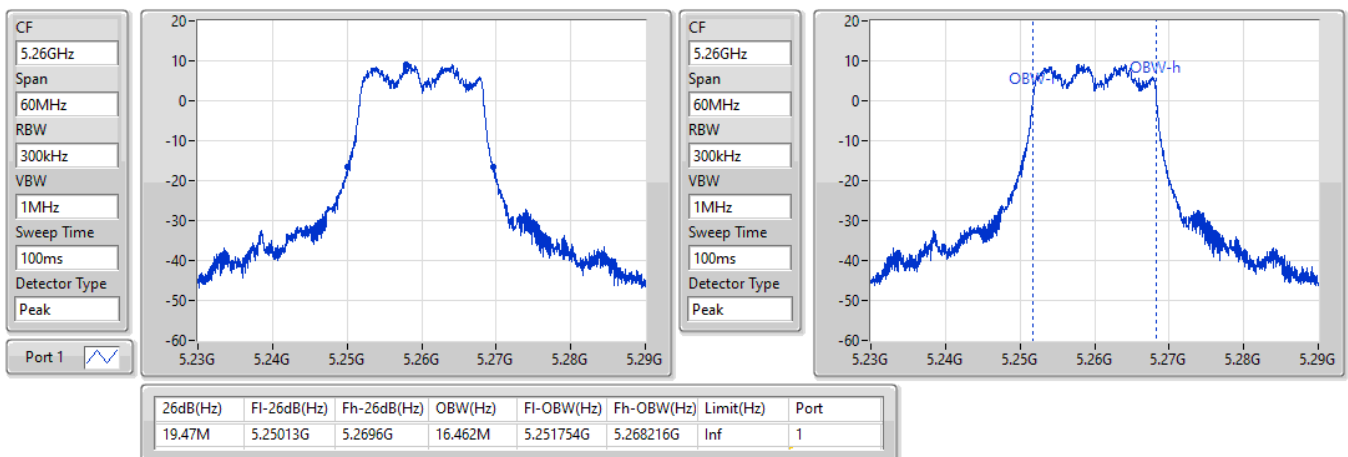


11a20_Nss1,(6Mbps)_1TX
EBW
5240MHz

25/08/2021

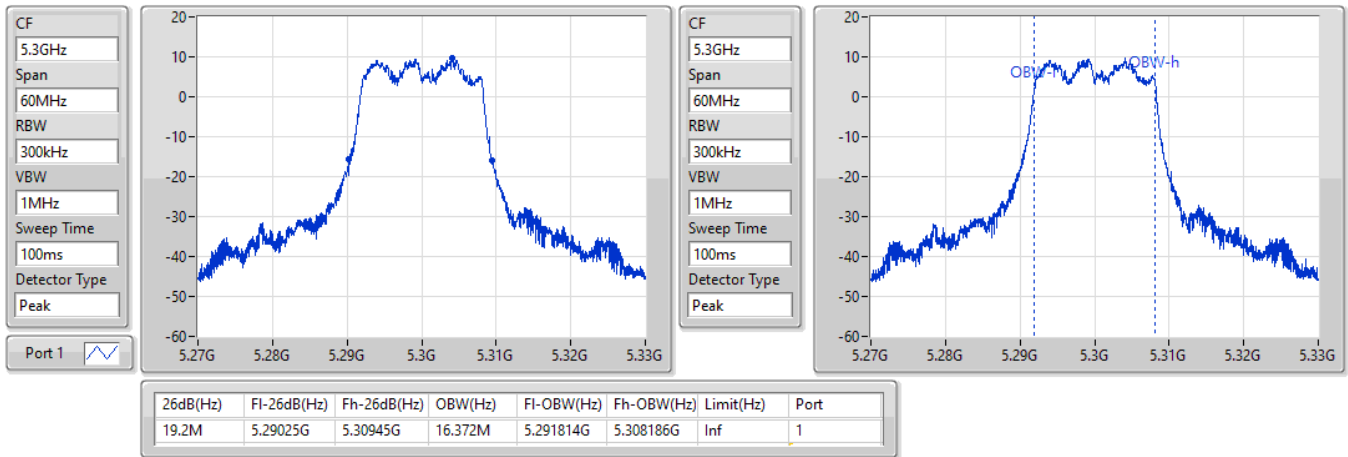

11a20_Nss1,(6Mbps)_1TX
EBW
5260MHz

25/08/2021

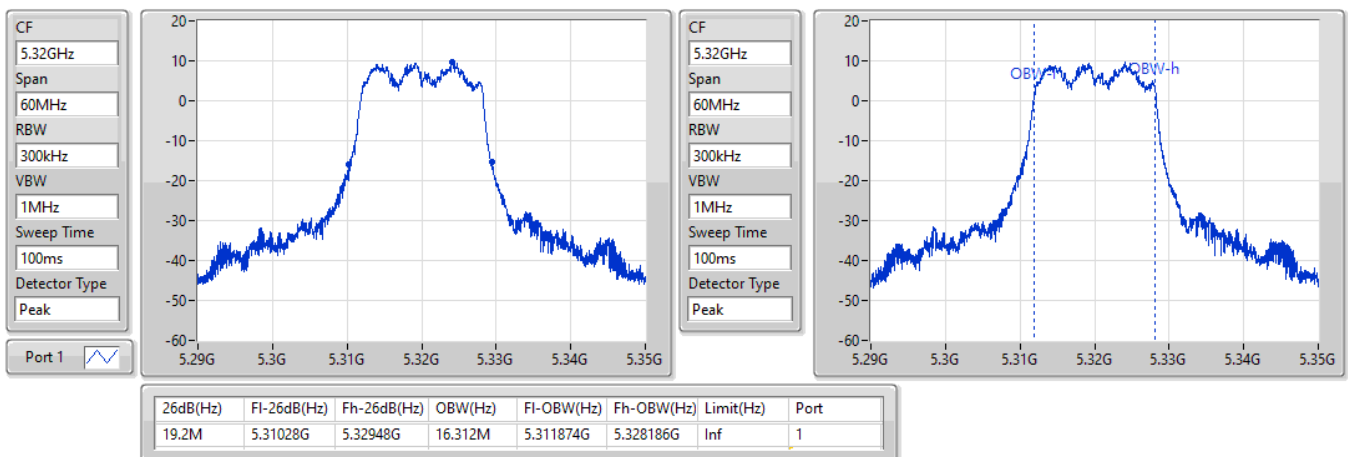


11a20_Nss1,(6Mbps)_1TX
EBW
5300MHz

25/08/2021

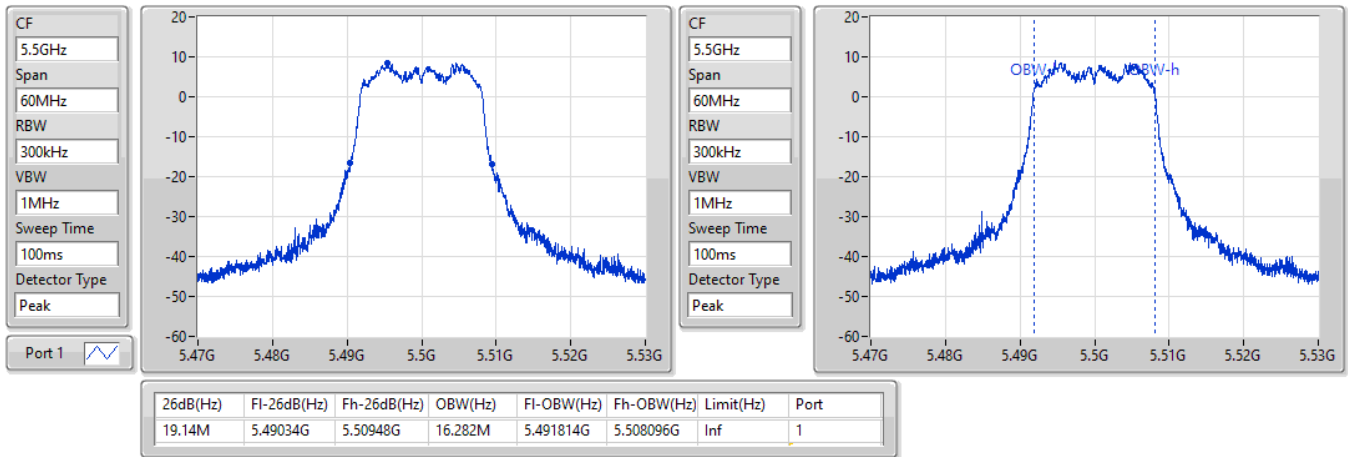

11a20_Nss1,(6Mbps)_1TX
EBW
5320MHz

25/08/2021

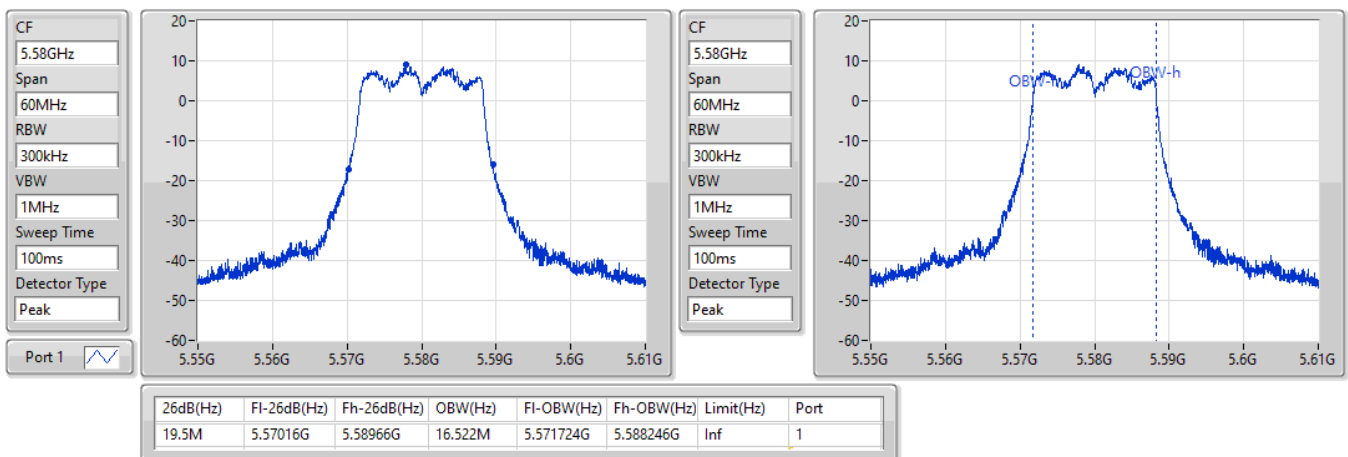


11a20_Nss1,(6Mbps)_1TX
EBW
5500MHz

25/08/2021


11a20_Nss1,(6Mbps)_1TX
EBW
5580MHz

25/08/2021

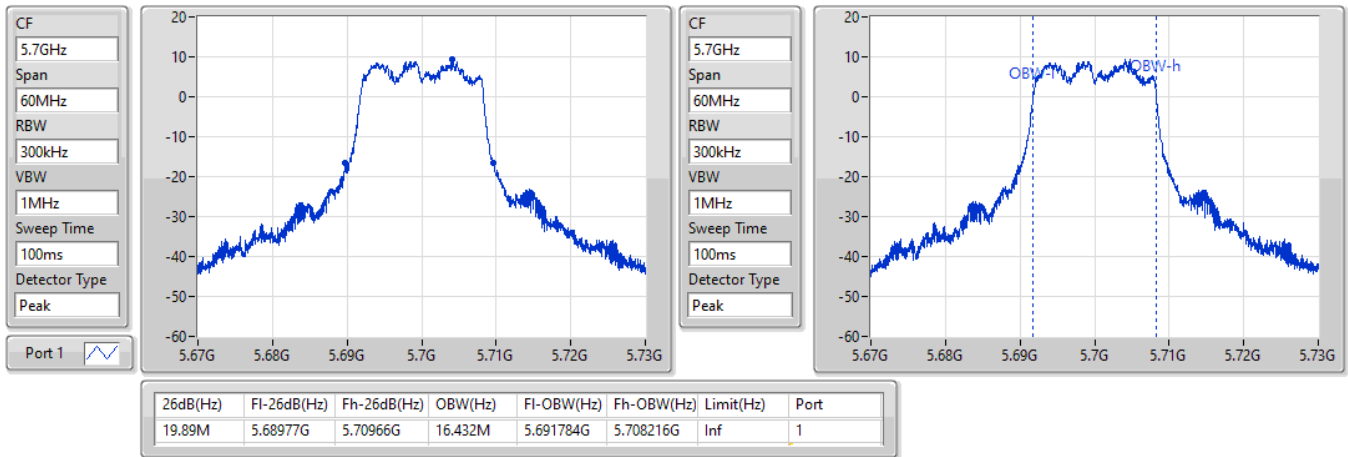


11a20_Nss1,(6Mbps)_1TX

EBW

5700MHz

25/08/2021

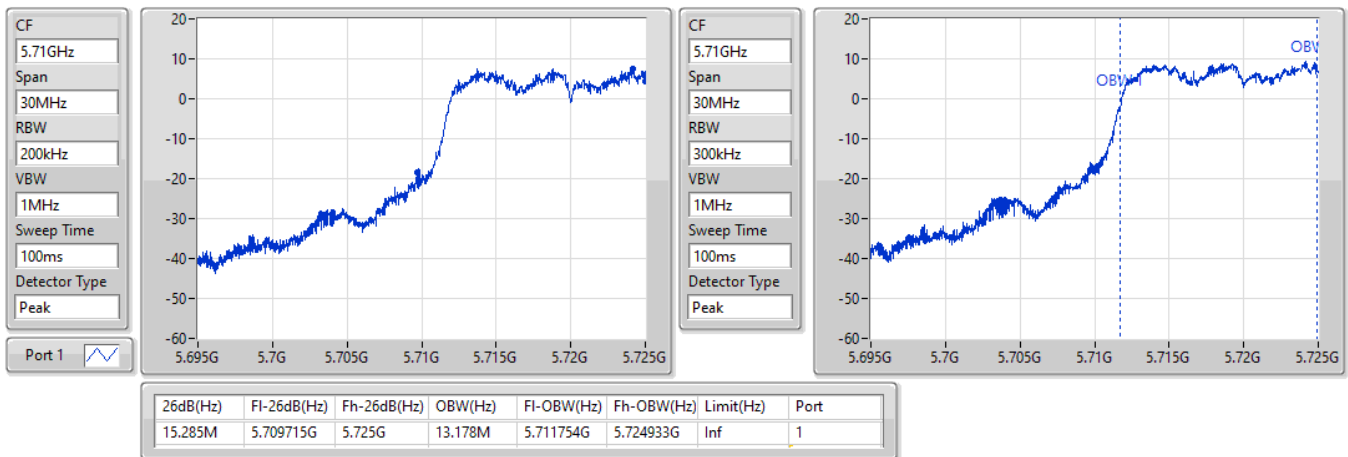


11a20_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

25/08/2021

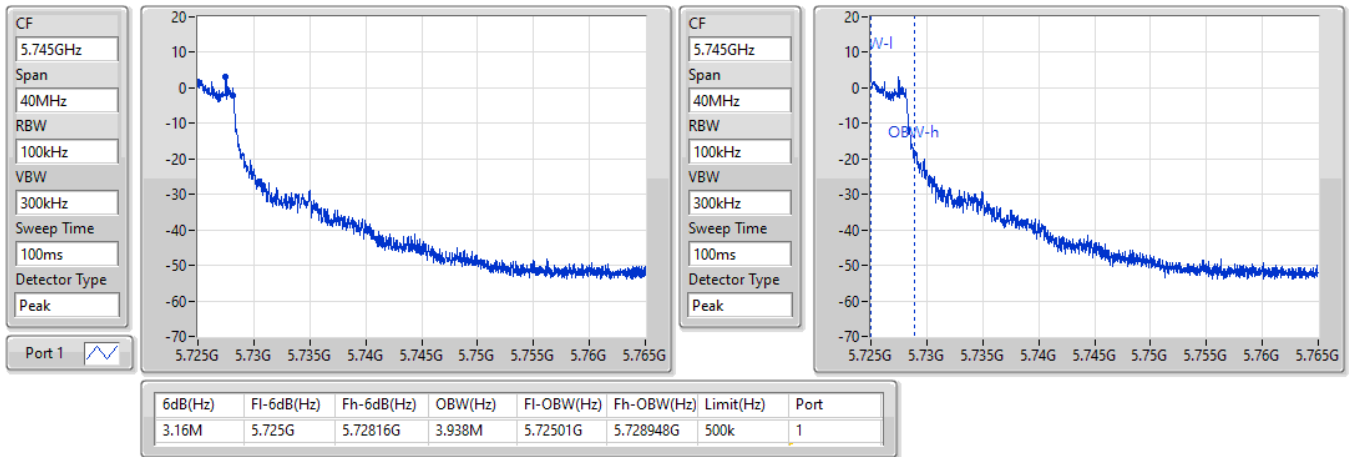


11a20_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

25/08/2021

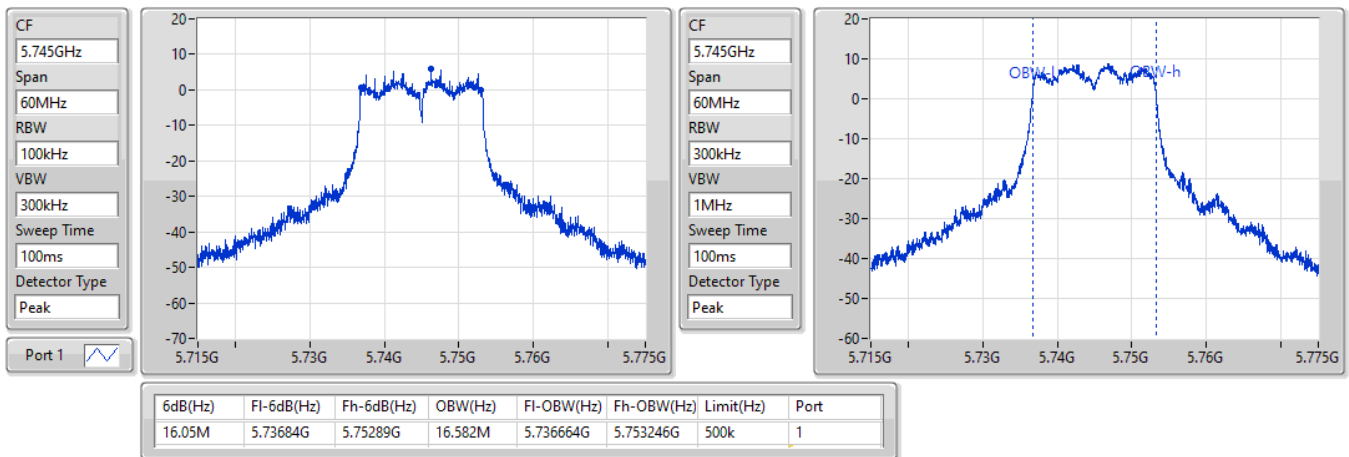


11a20_Nss1,(6Mbps)_1TX

EBW

5745MHz

25/08/2021

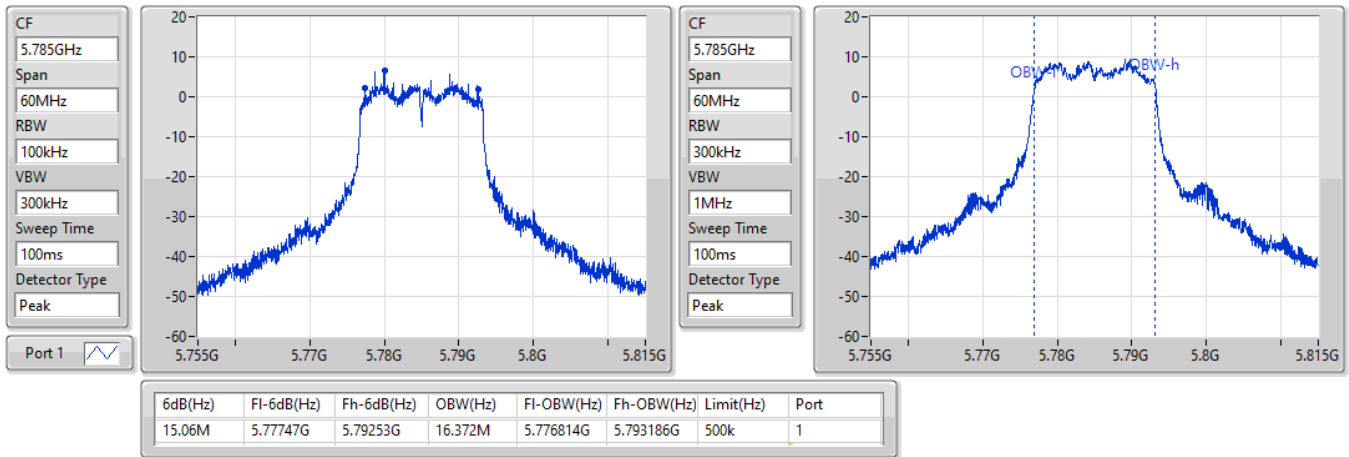


11a20_Nss1,(6Mbps)_1TX

EBW

5785MHz

25/08/2021

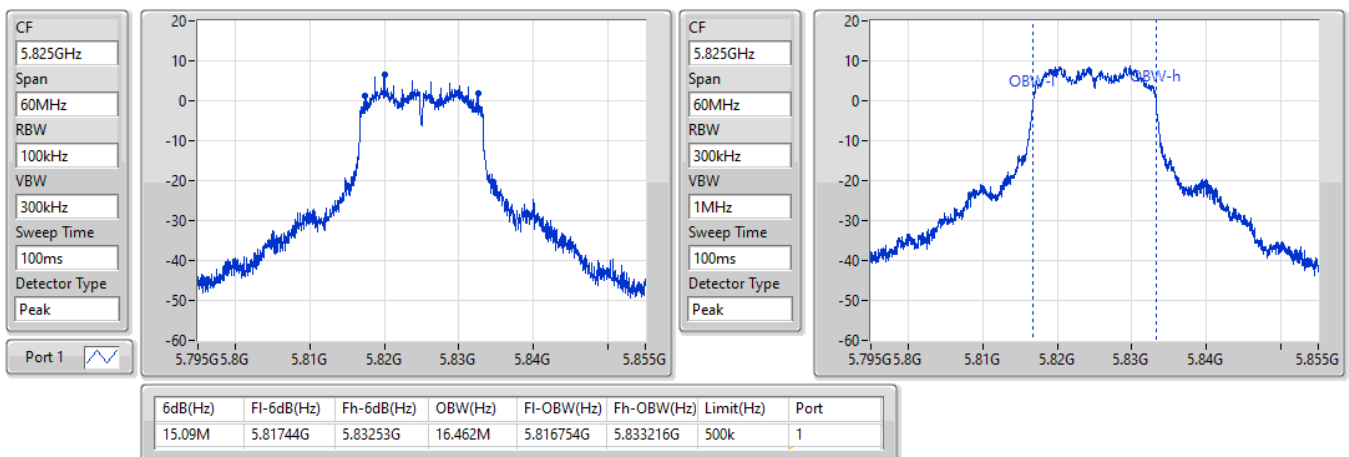


11a20_Nss1,(6Mbps)_1TX

EBW

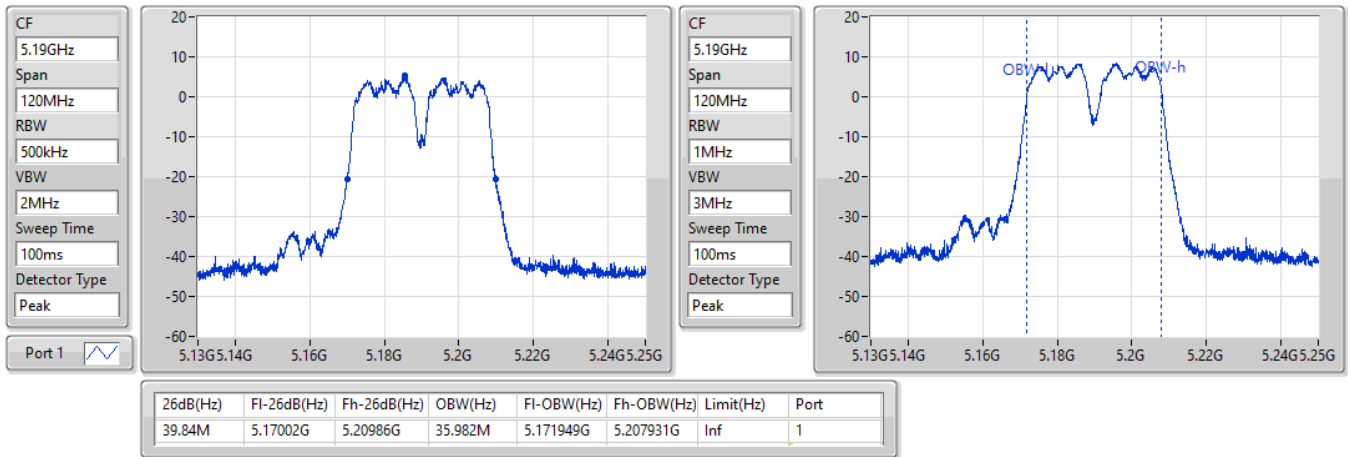
5825MHz

25/08/2021

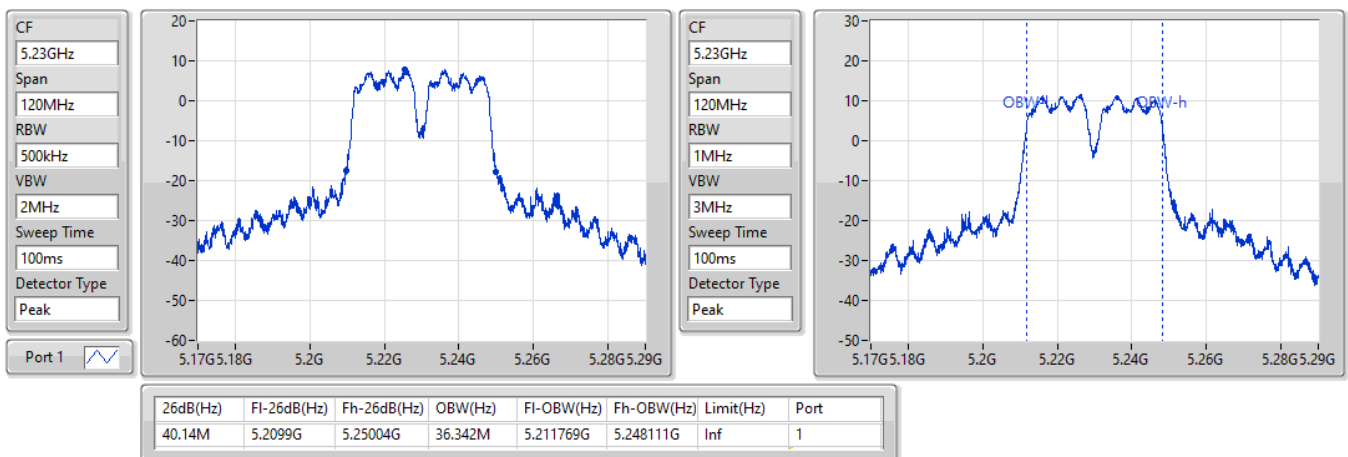


11a40_Nss1,(6Mbps)_1TX
EBW
5190MHz

25/08/2021

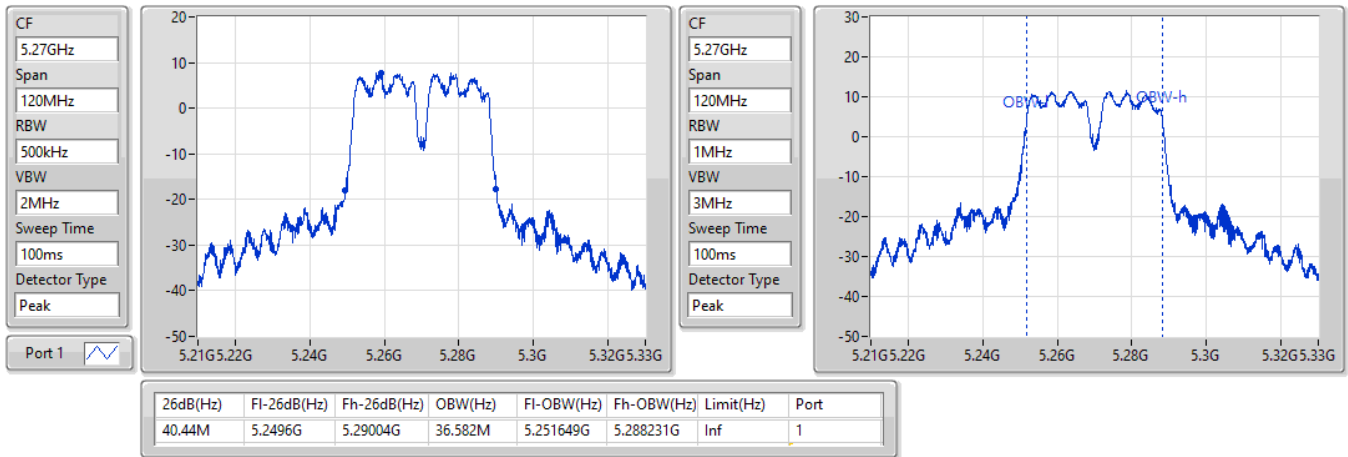

11a40_Nss1,(6Mbps)_1TX
EBW
5230MHz

25/08/2021

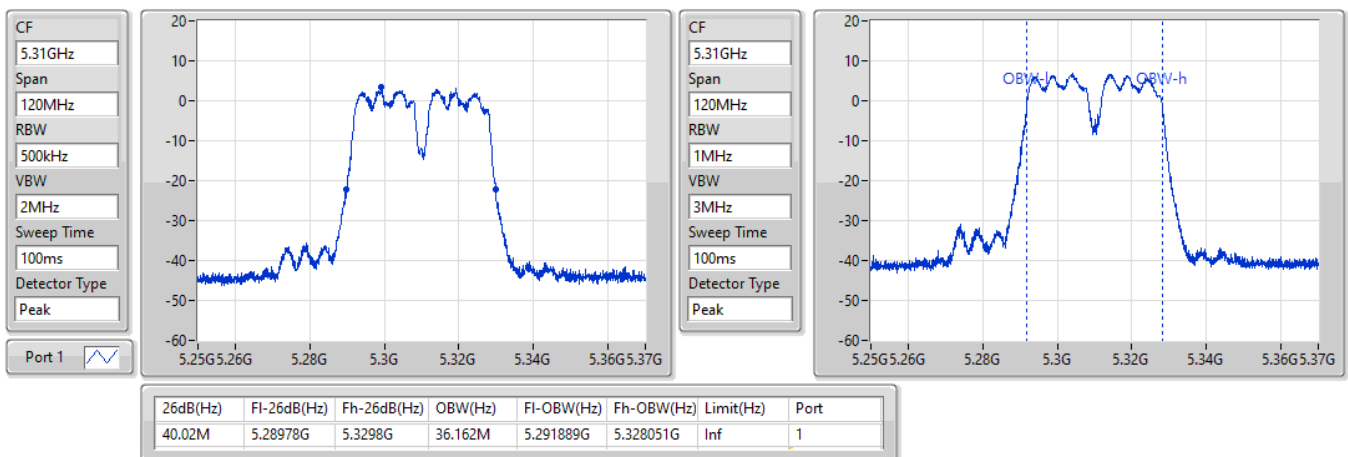


11a40_Nss1,(6Mbps)_1TX
EBW
5270MHz

25/08/2021


11a40_Nss1,(6Mbps)_1TX
EBW
5310MHz

25/08/2021

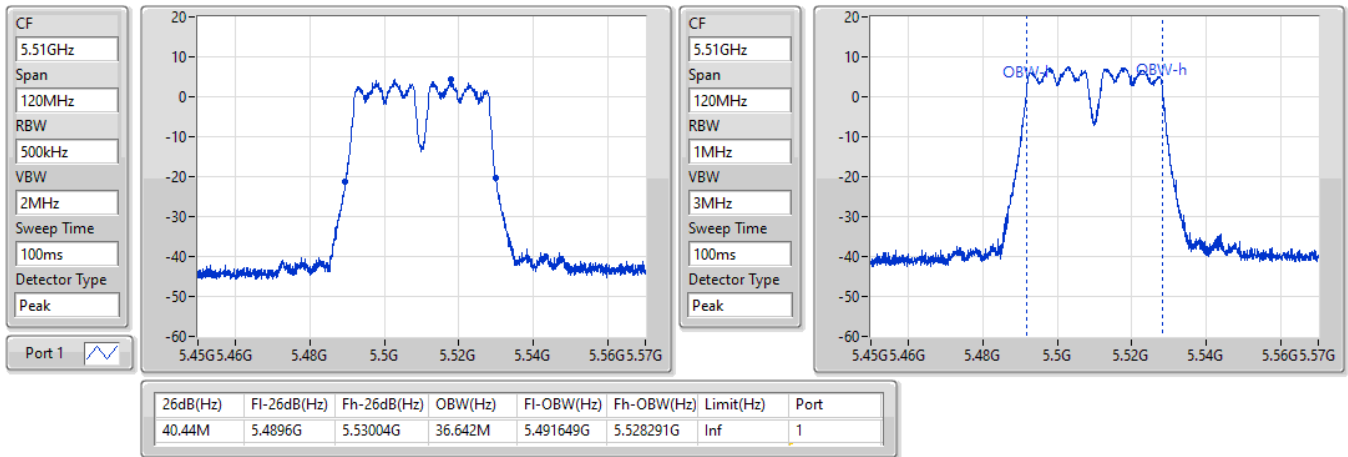


11a40_Nss1,(6Mbps)_1TX

EBW

5510MHz

25/08/2021

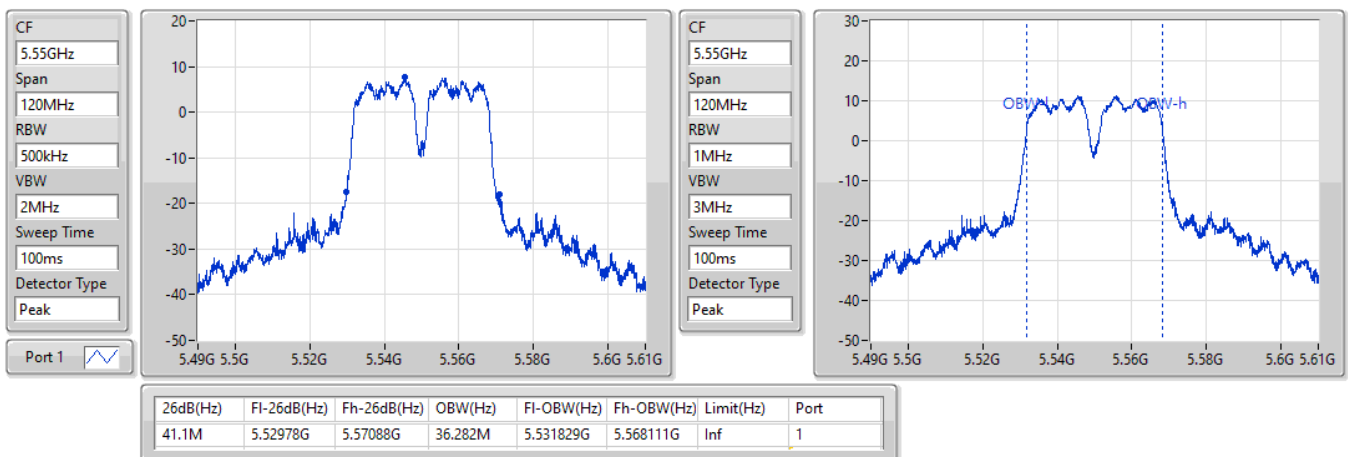


11a40_Nss1,(6Mbps)_1TX

EBW

5550MHz

25/08/2021

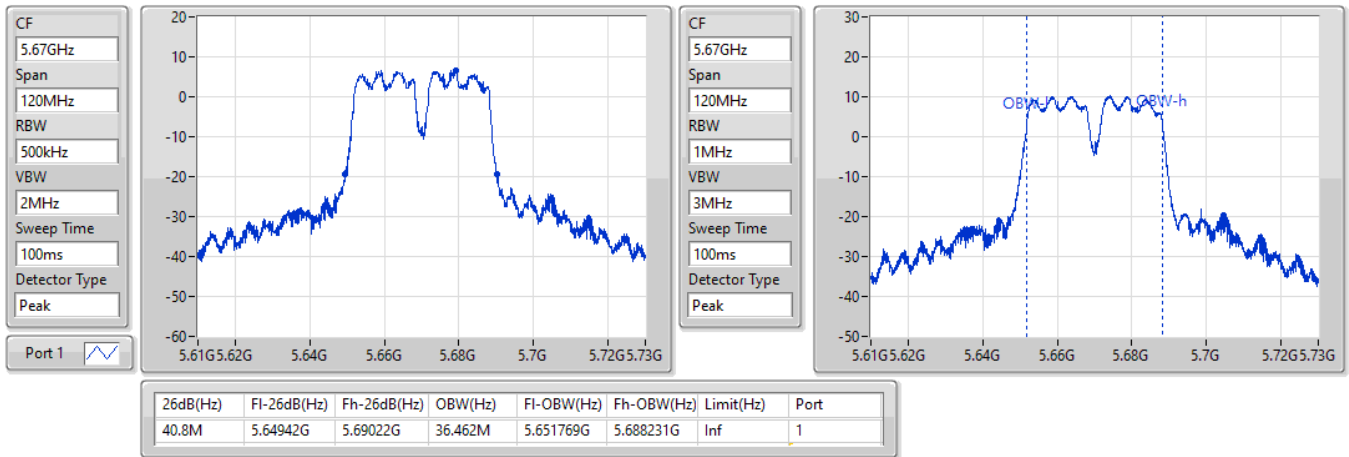


11a40_Nss1,(6Mbps)_1TX

EBW

5670MHz

25/08/2021

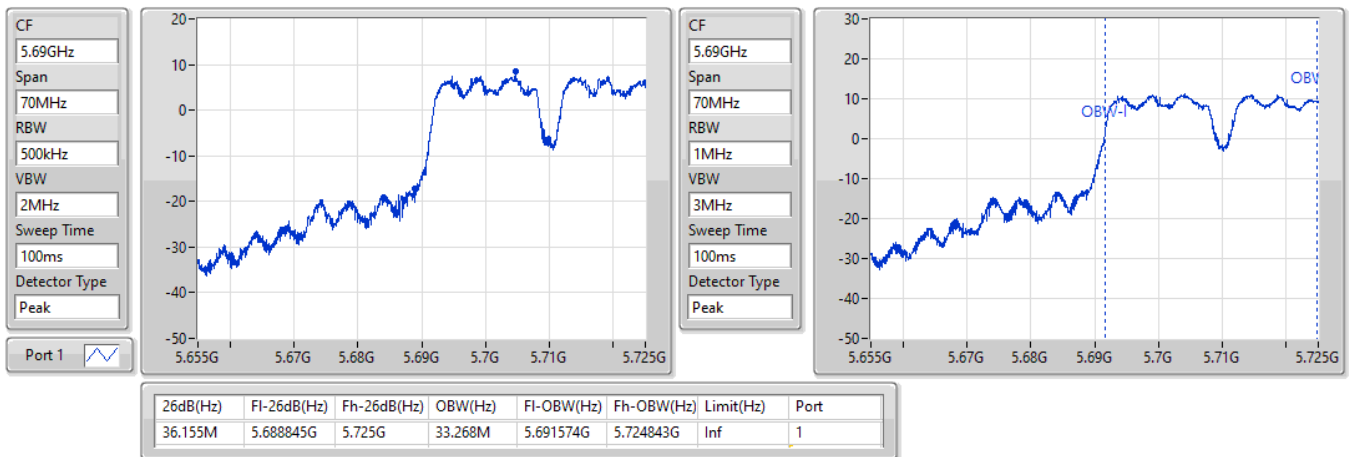


11a40_Nss1,(6Mbps)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

25/08/2021

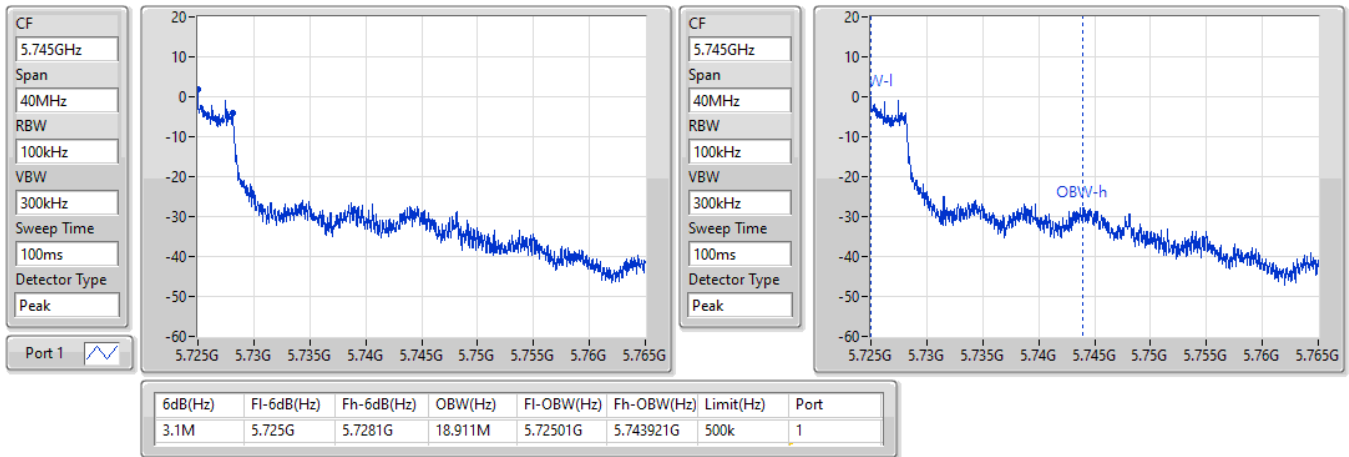


11a40_Nss1,(6Mbps)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

25/08/2021

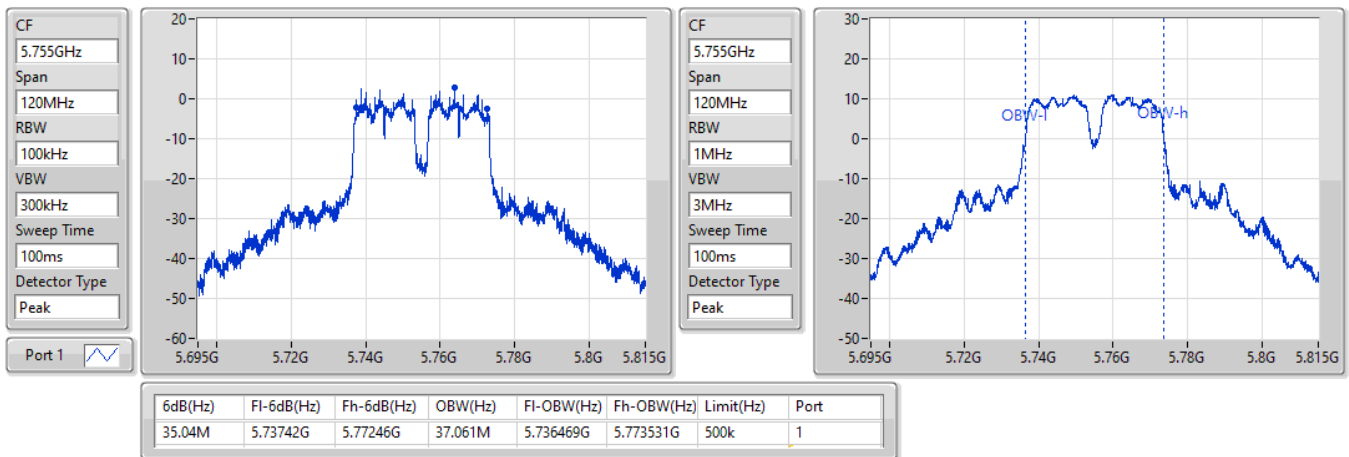


11a40_Nss1,(6Mbps)_1TX

EBW

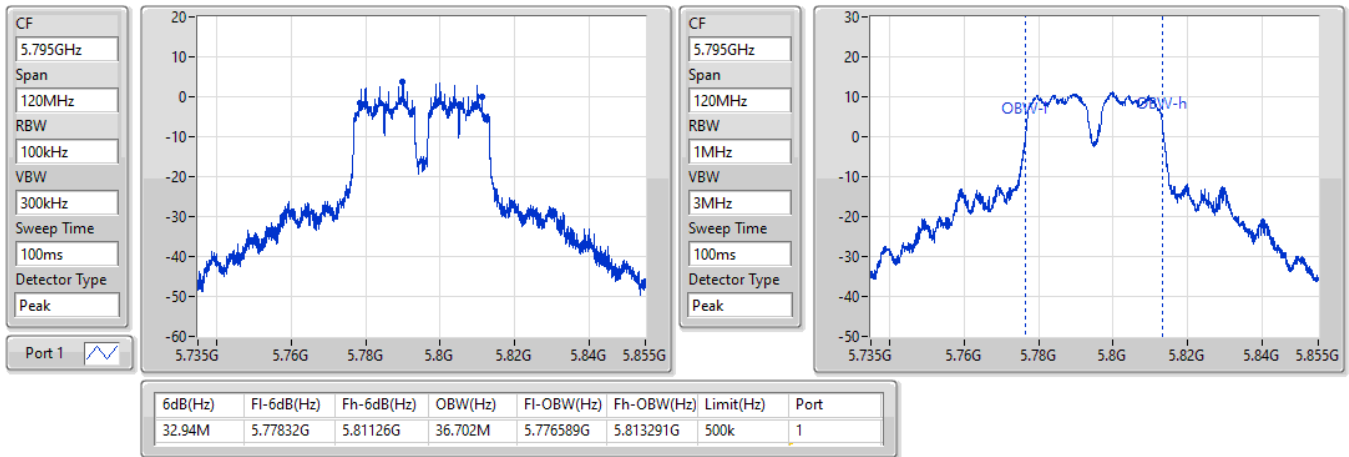
5755MHz

25/08/2021

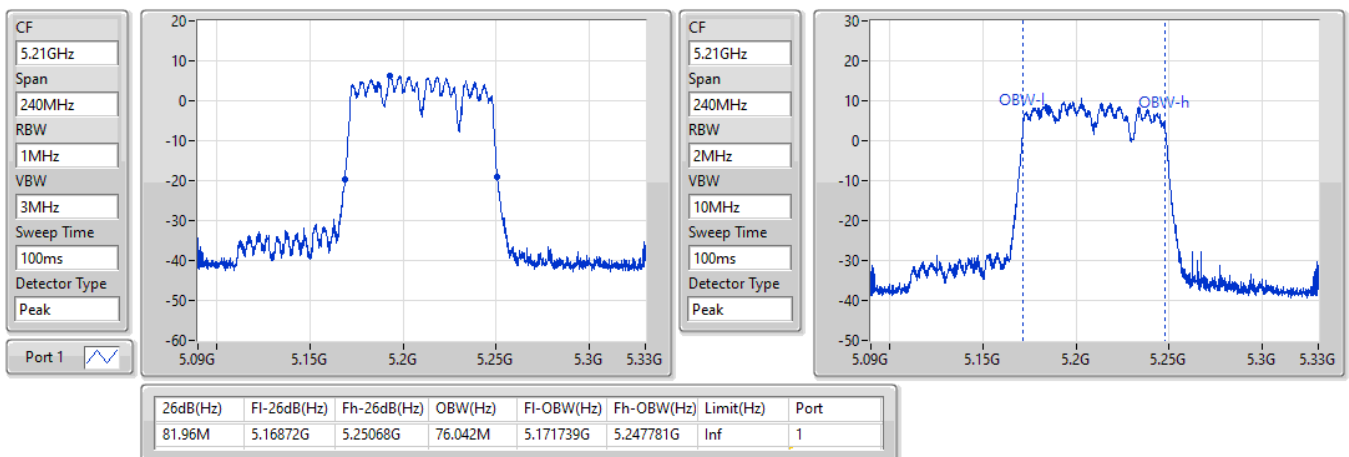


11a40_Nss1,(6Mbps)_1TX
EBW
5795MHz

25/08/2021

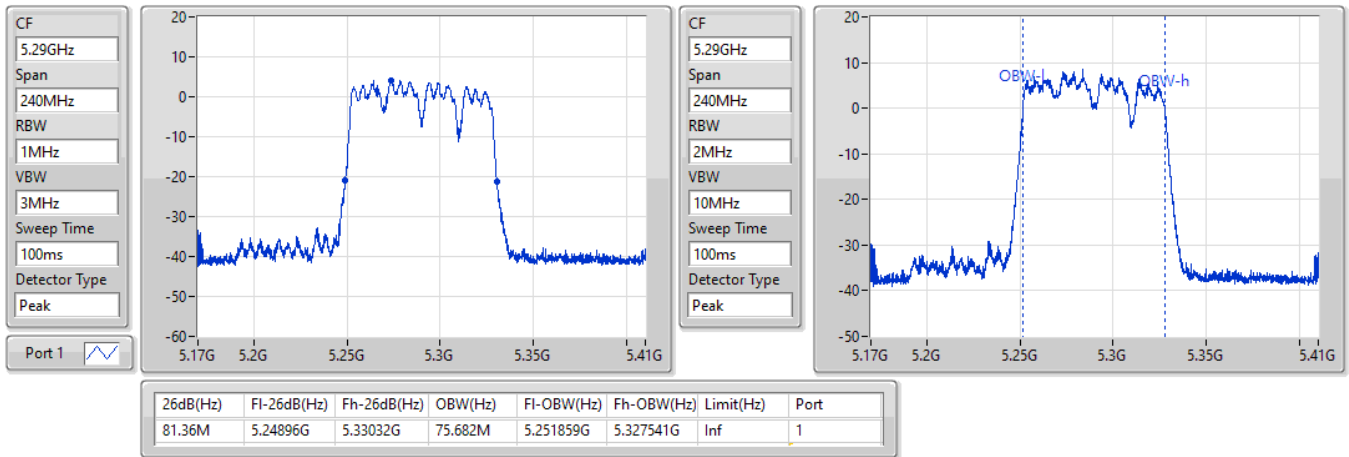

11a80_Nss1,(6Mbps)_1TX
EBW
5210MHz

25/08/2021

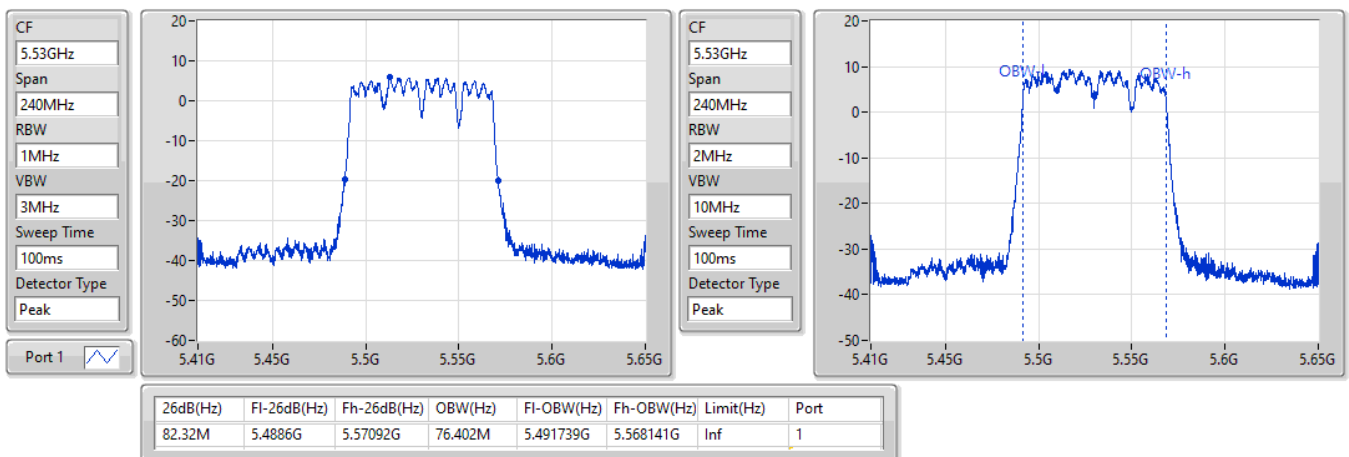


11a80_Nss1,(6Mbps)_1TX
EBW
5290MHz

25/08/2021


11a80_Nss1,(6Mbps)_1TX
EBW
5530MHz

25/08/2021

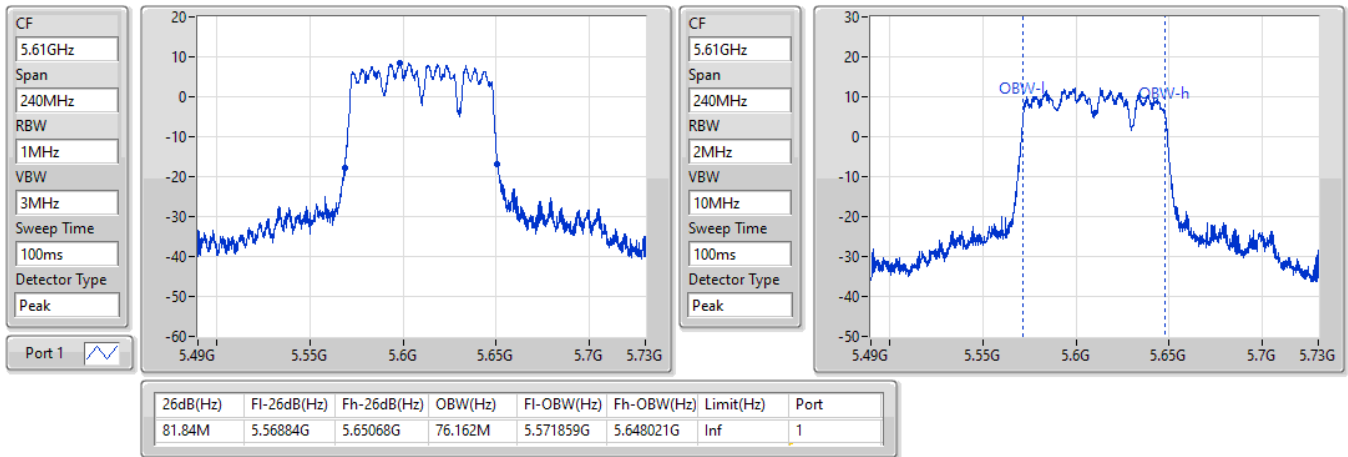


11a80_Nss1,(6Mbps)_1TX

EBW

5610MHz

25/08/2021

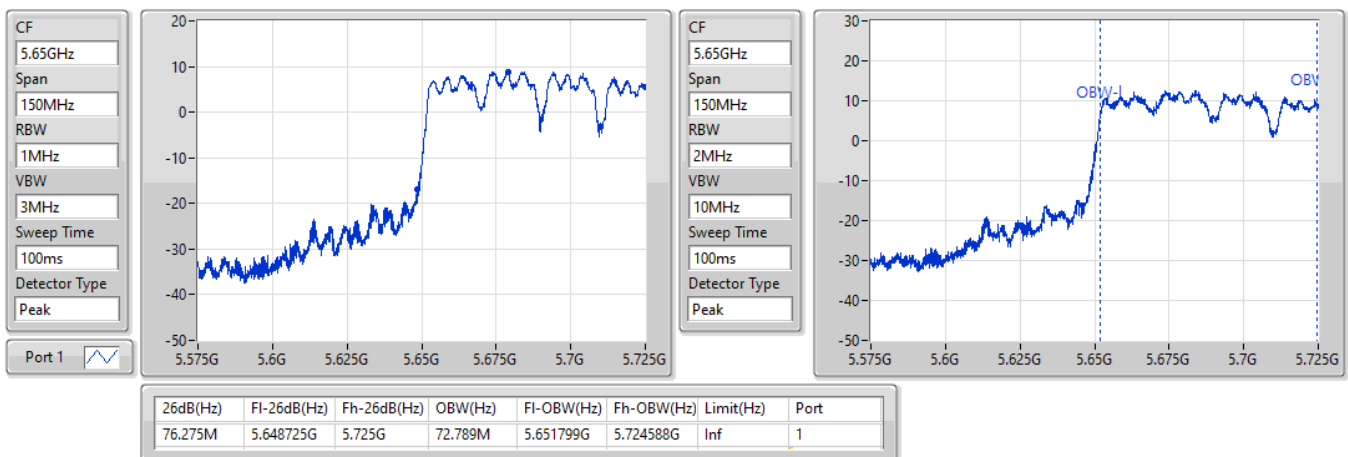


11a80_Nss1,(6Mbps)_1TX

EBW

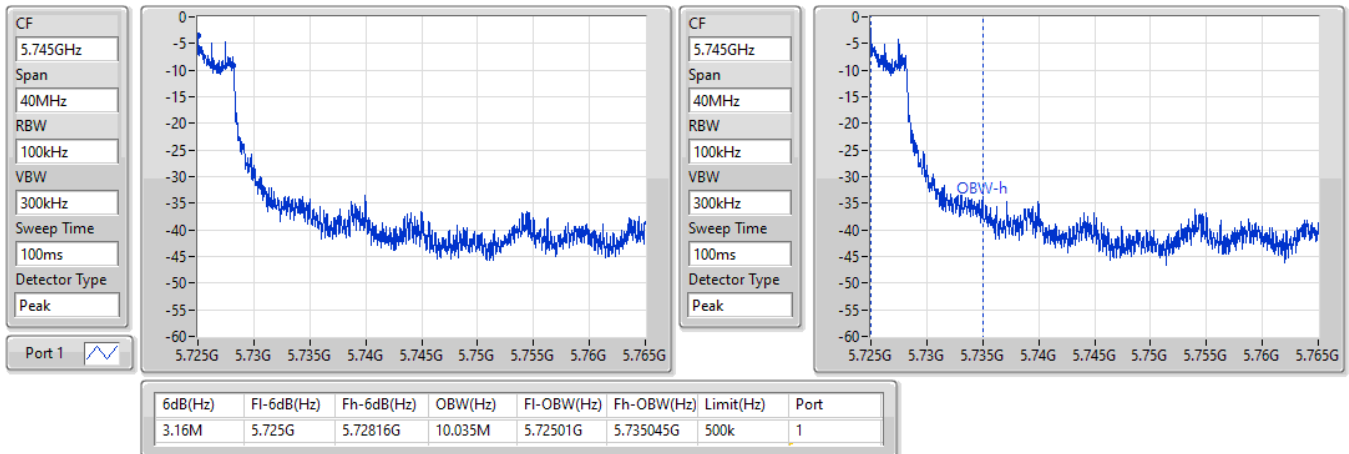
5690MHz Straddle 5.47-5.725GHz

25/08/2021

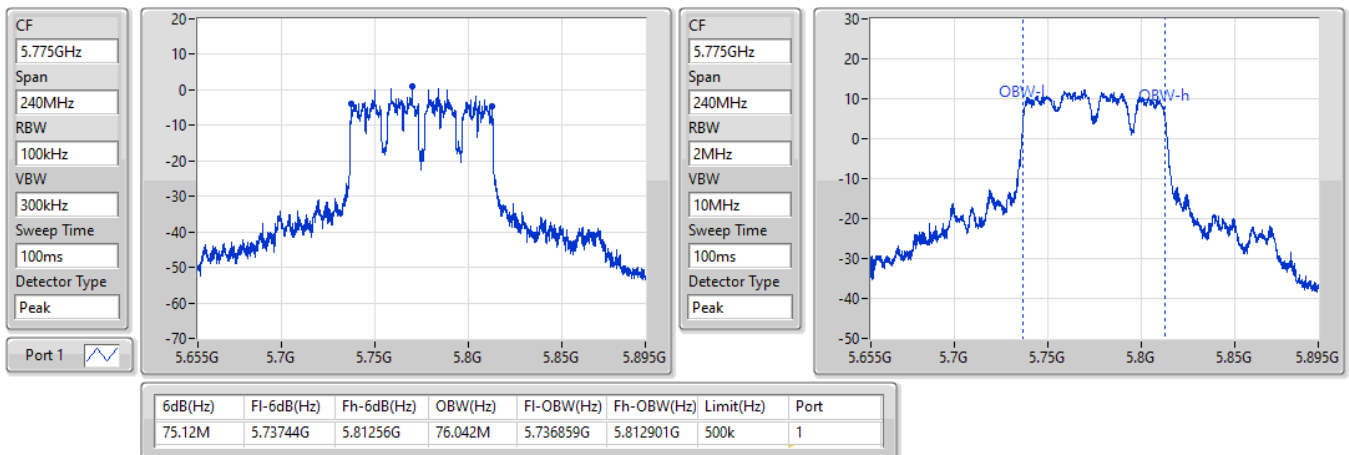


11a80_Nss1,(6Mbps)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

25/08/2021

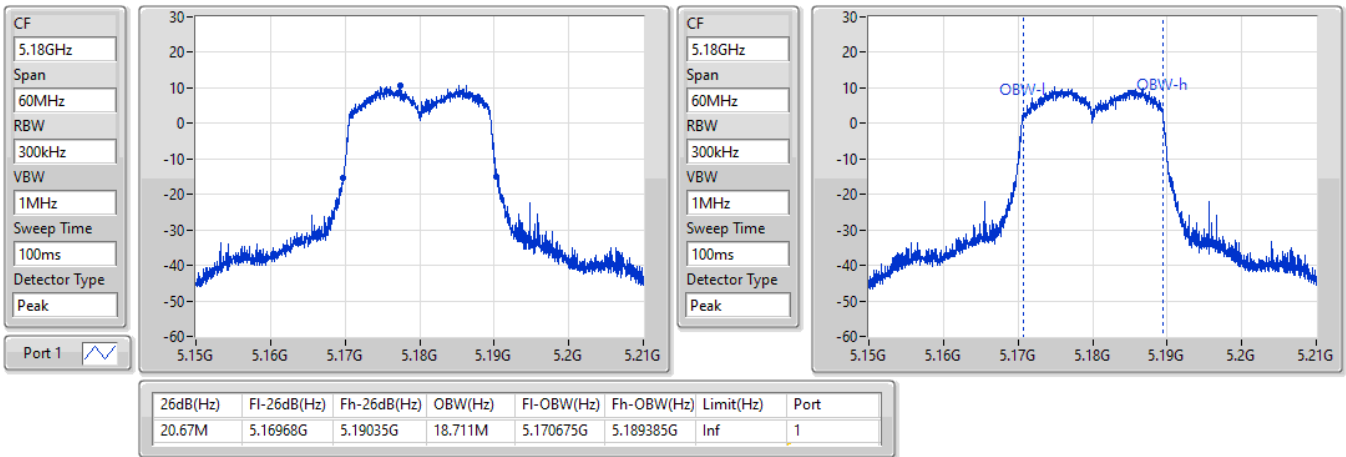

11a80_Nss1,(6Mbps)_1TX
EBW
5775MHz

25/08/2021

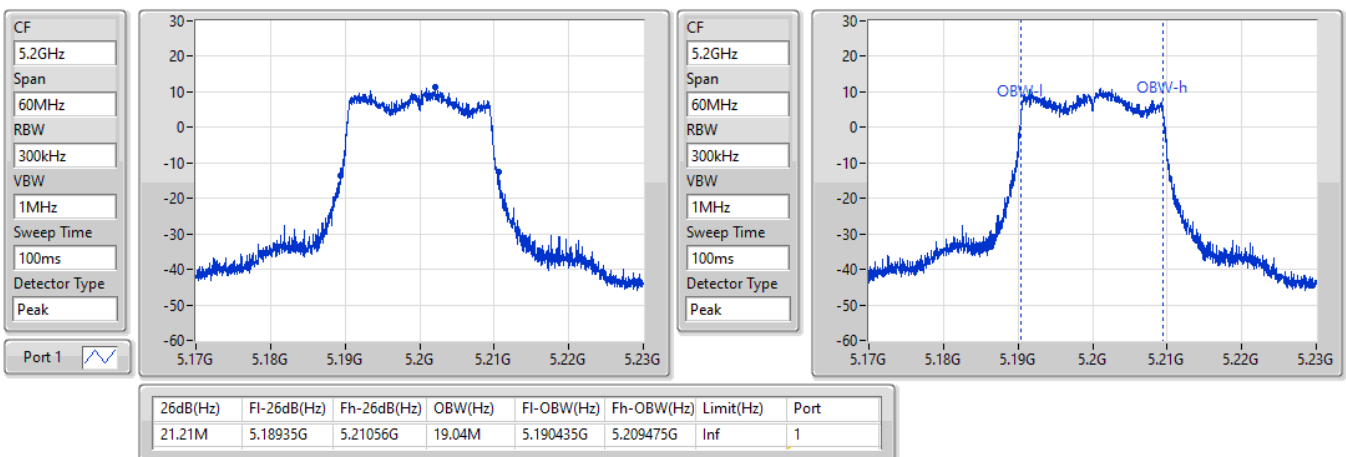


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5180MHz

25/08/2021

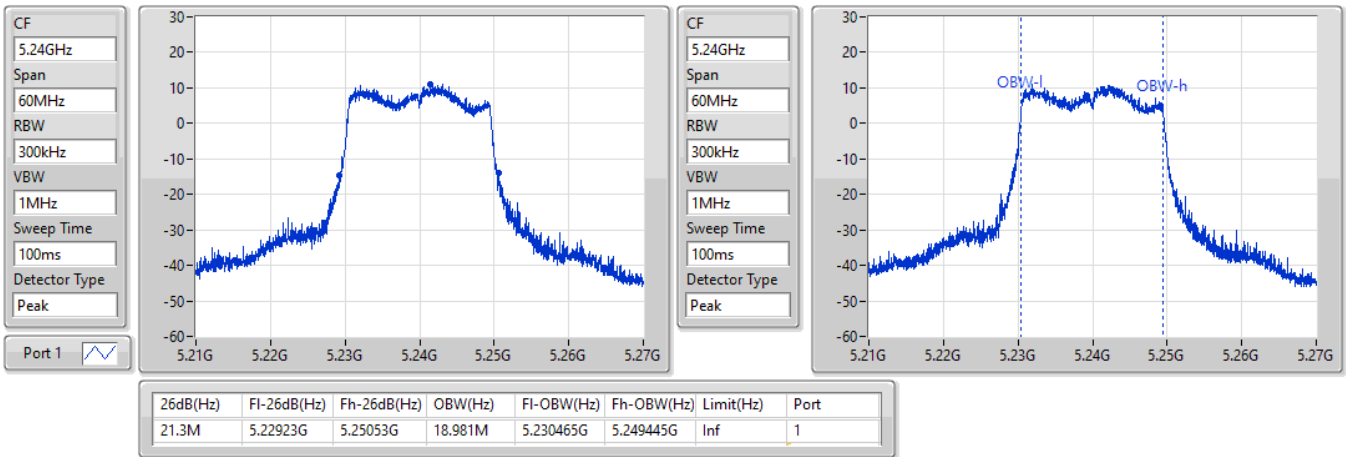

802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5200MHz

25/08/2021

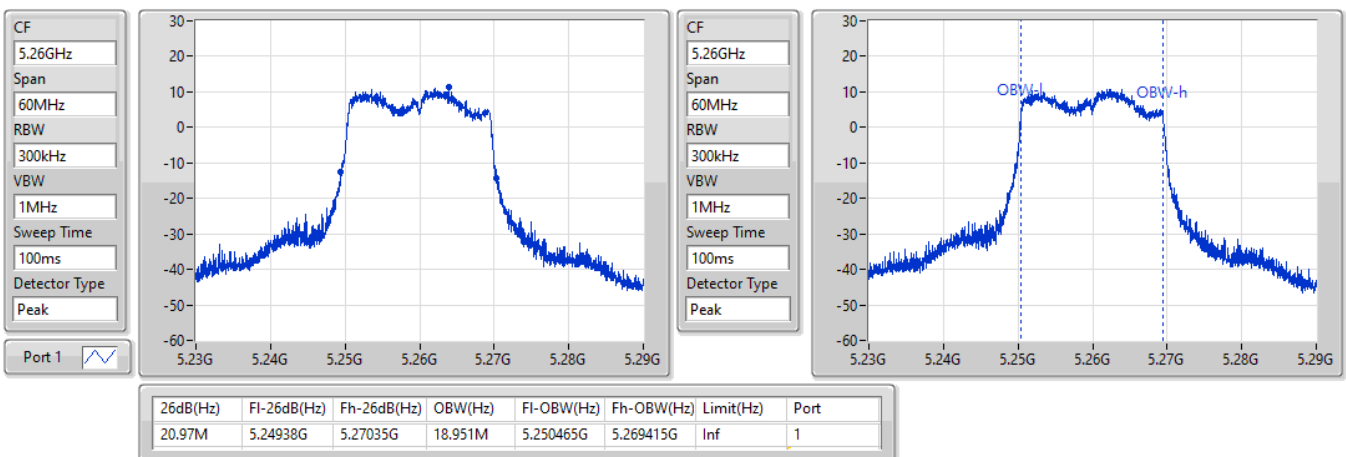


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5240MHz

25/08/2021

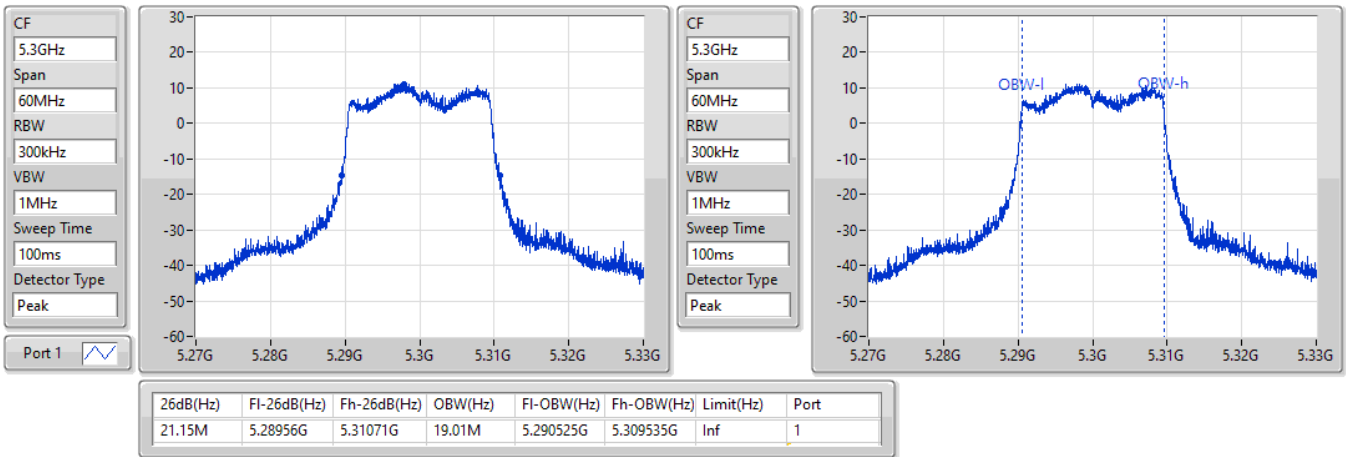

802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5260MHz

25/08/2021

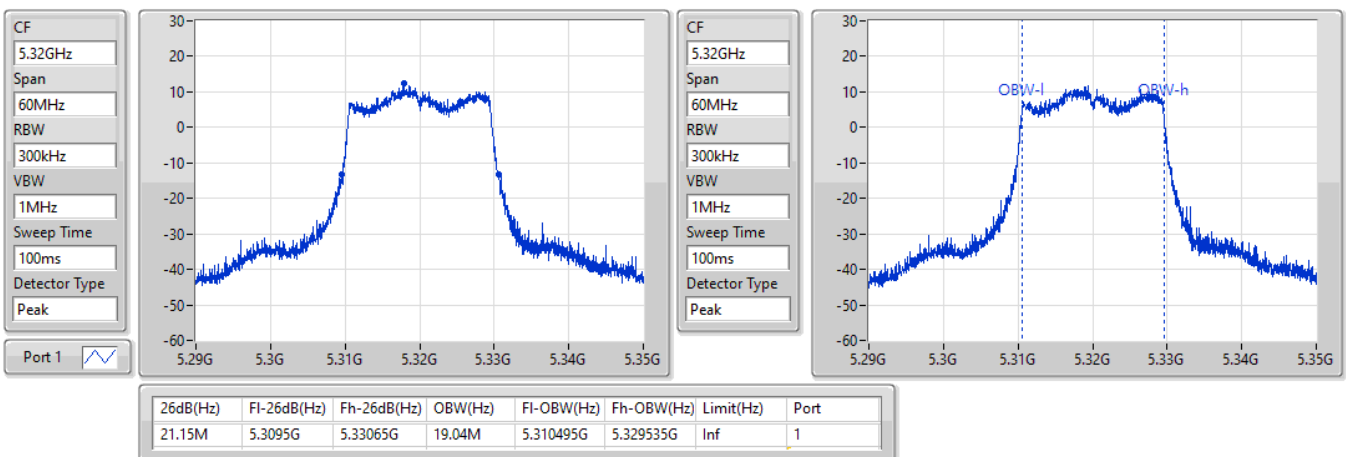


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5300MHz

25/08/2021

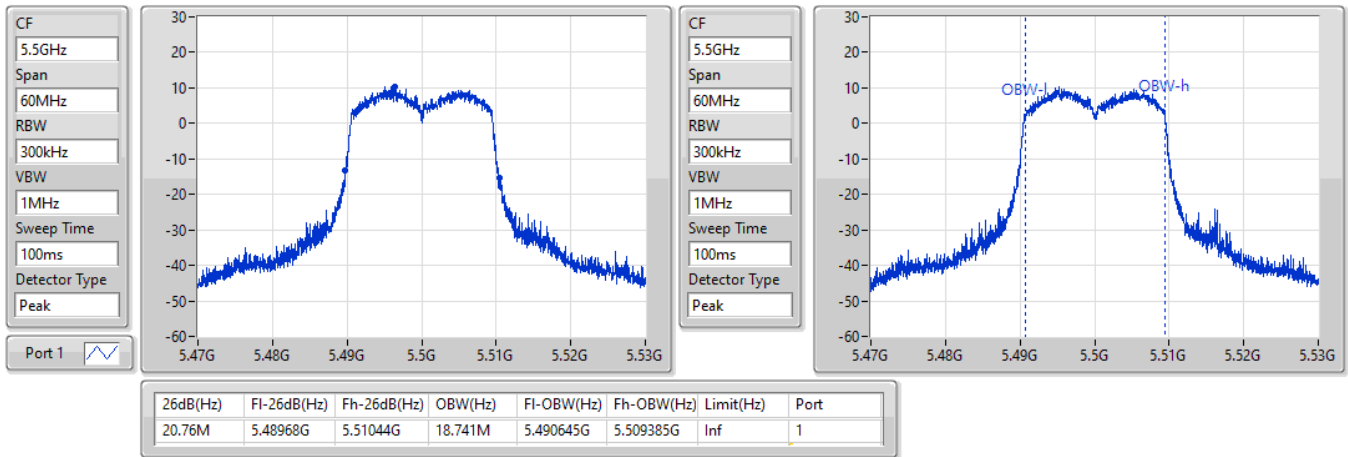

802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5320MHz

25/08/2021

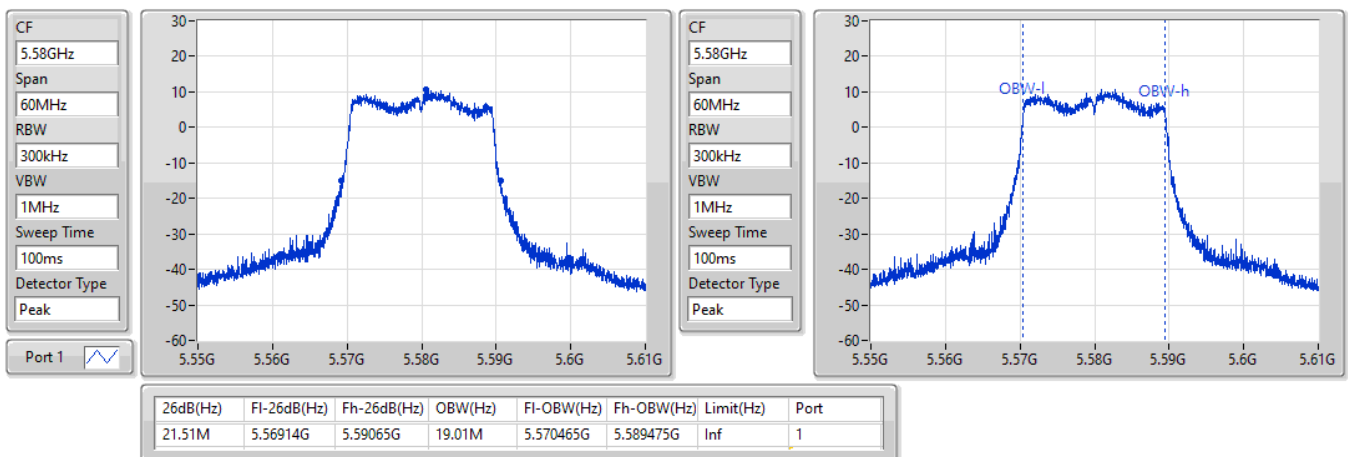


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5500MHz

25/08/2021

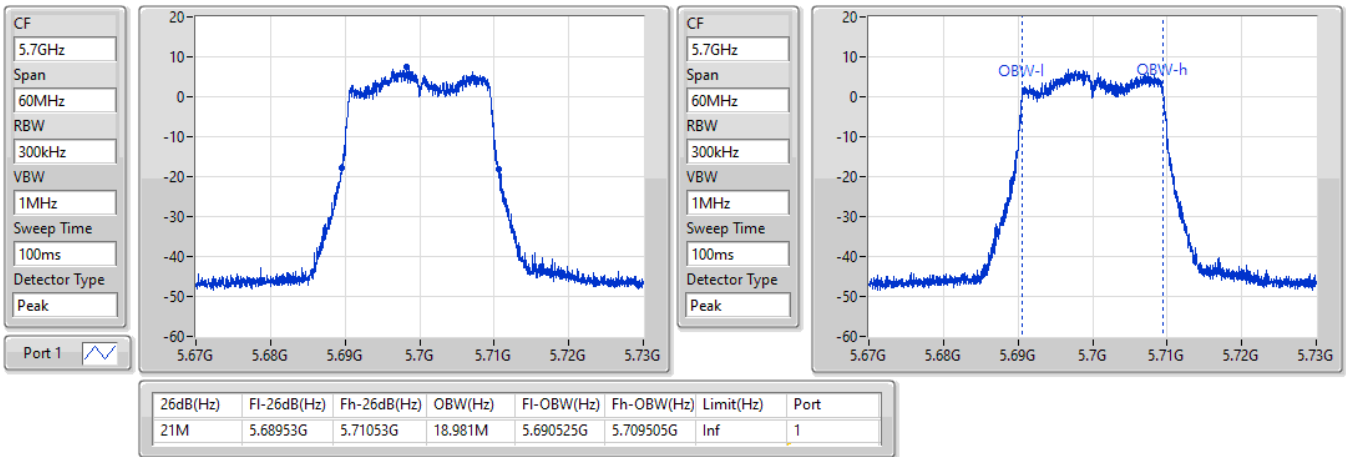

802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5580MHz

25/08/2021

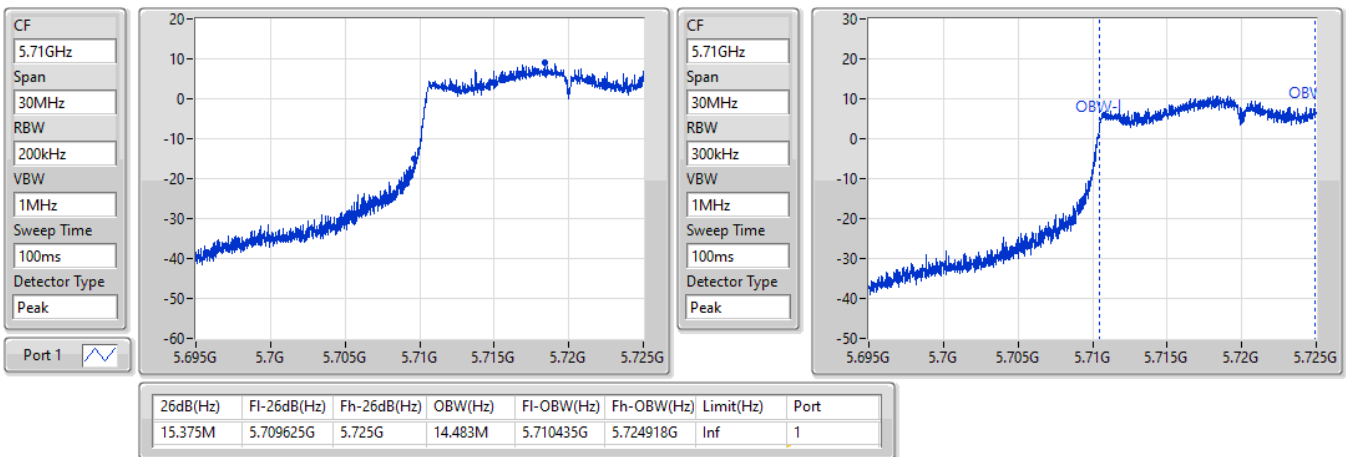


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5700MHz

25/08/2021


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5720MHz Straddle 5.47-5.725GHz

25/08/2021

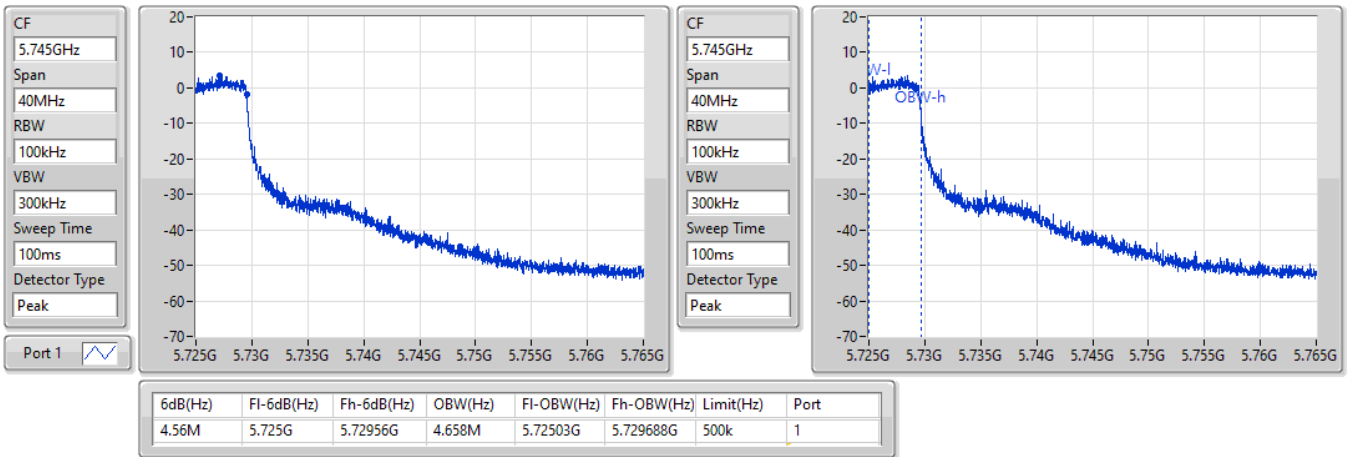


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

25/08/2021

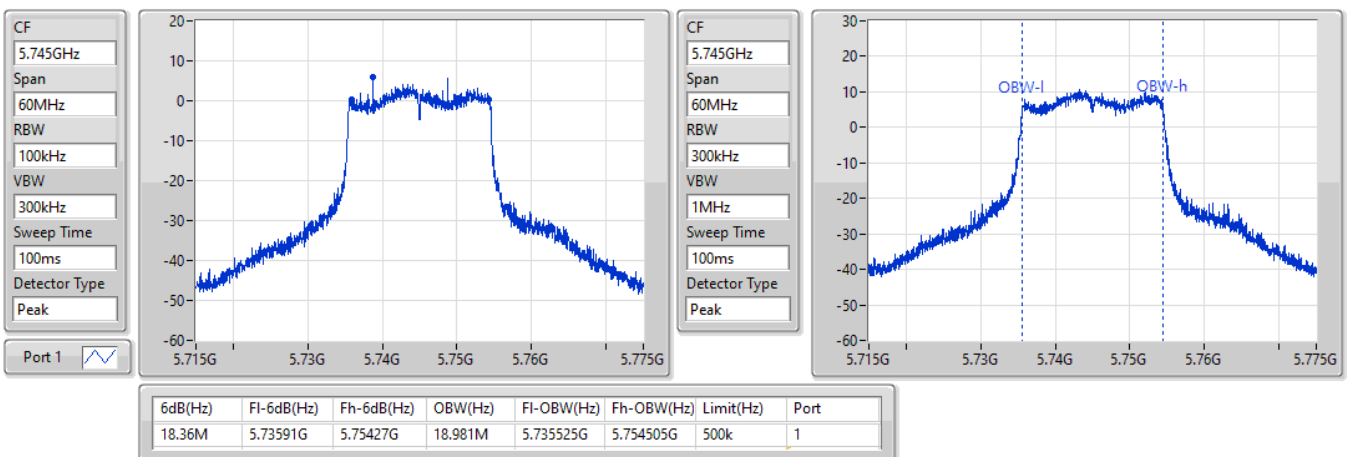


802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

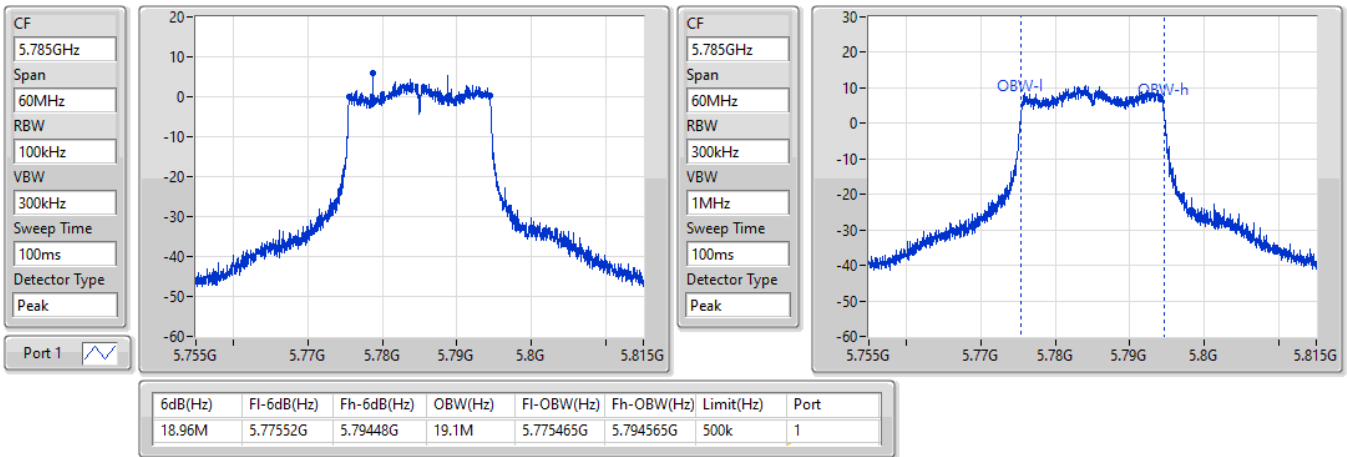
5745MHz

25/08/2021

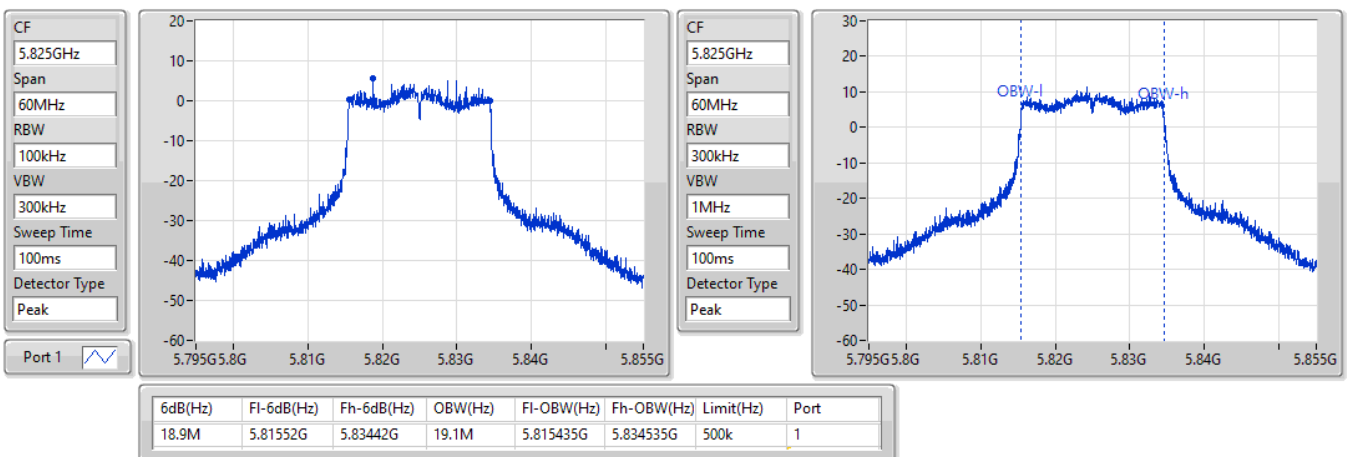


802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5785MHz

25/08/2021

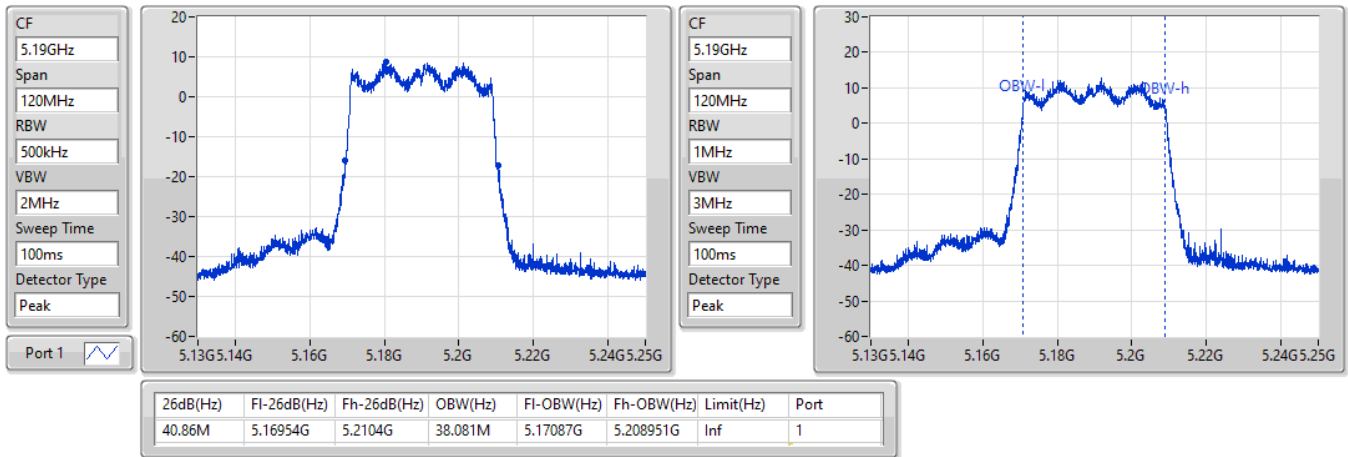

802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5825MHz

25/08/2021

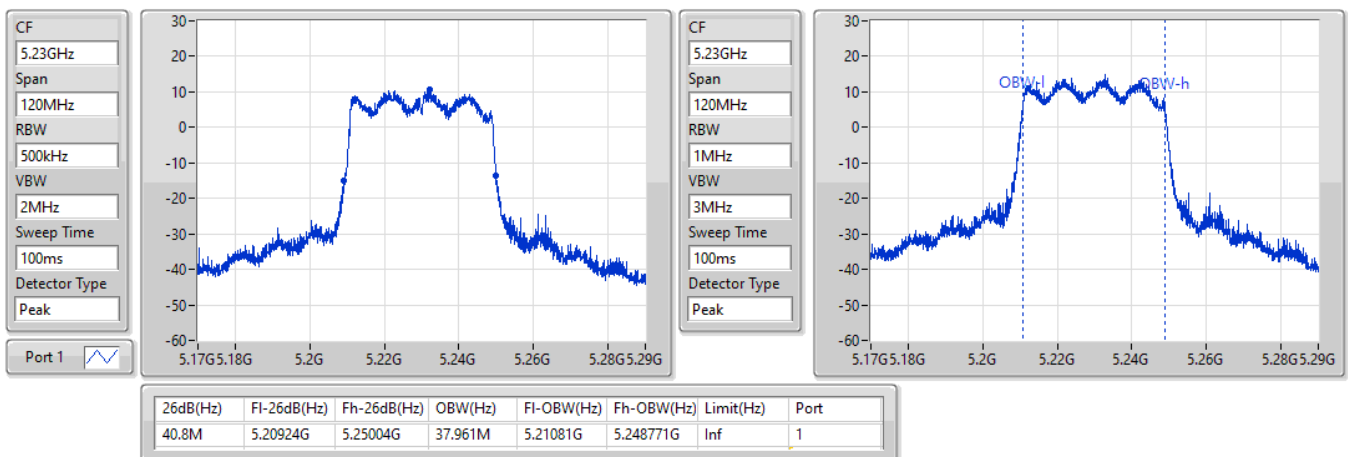


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5190MHz

25/08/2021

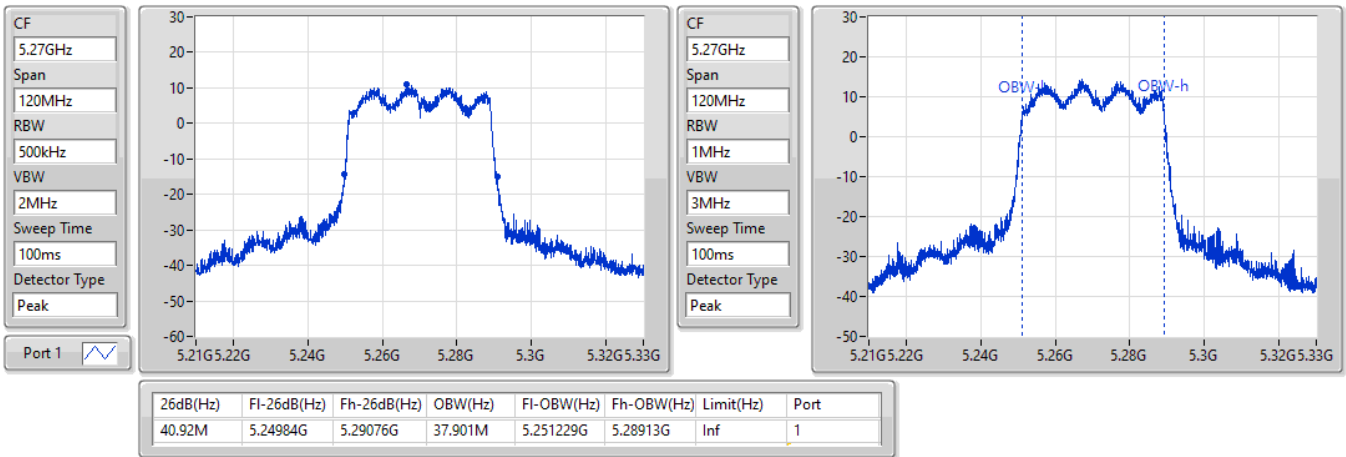

802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5230MHz

25/08/2021

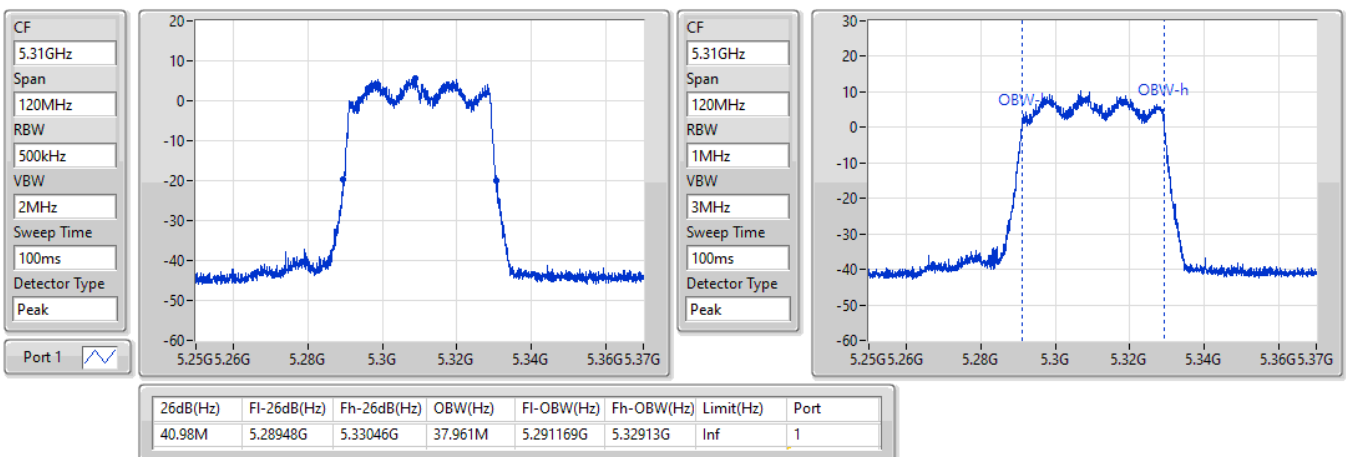


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5270MHz

25/08/2021

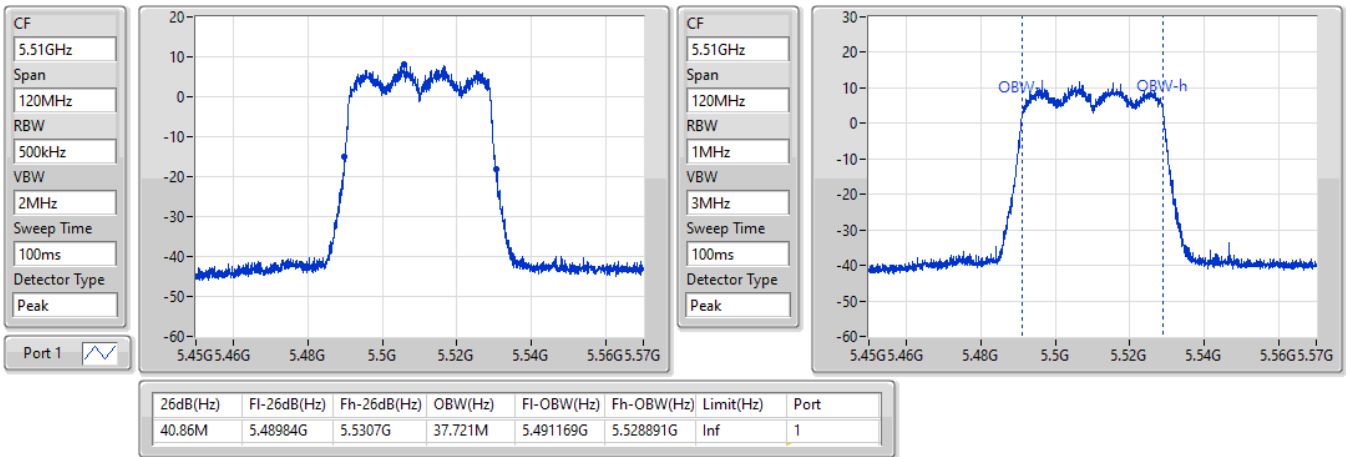

802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5310MHz

25/08/2021

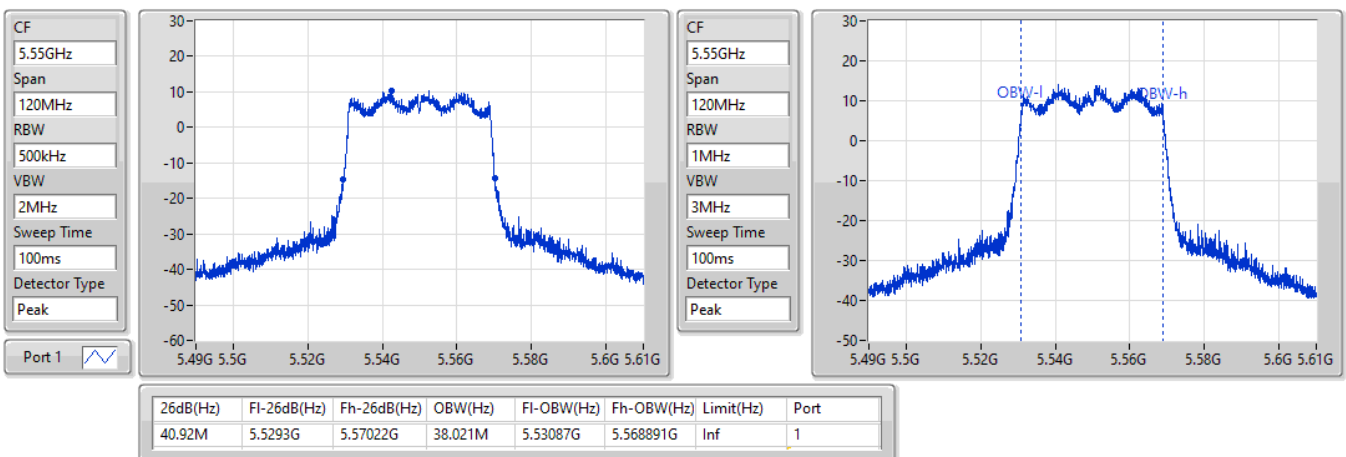


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5510MHz

25/08/2021


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5550MHz

25/08/2021

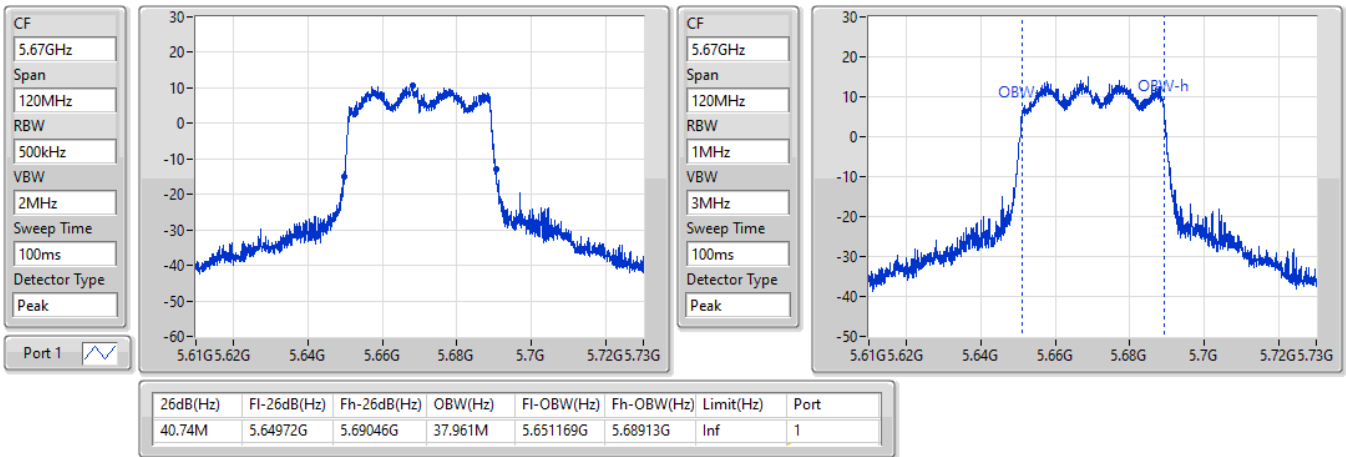


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5670MHz

25/08/2021

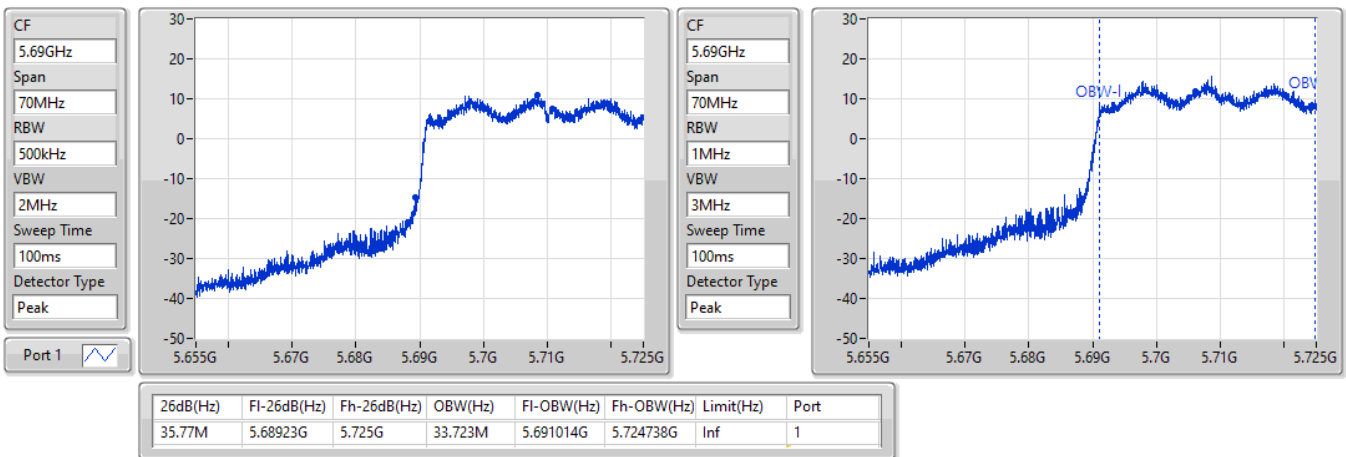


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

25/08/2021

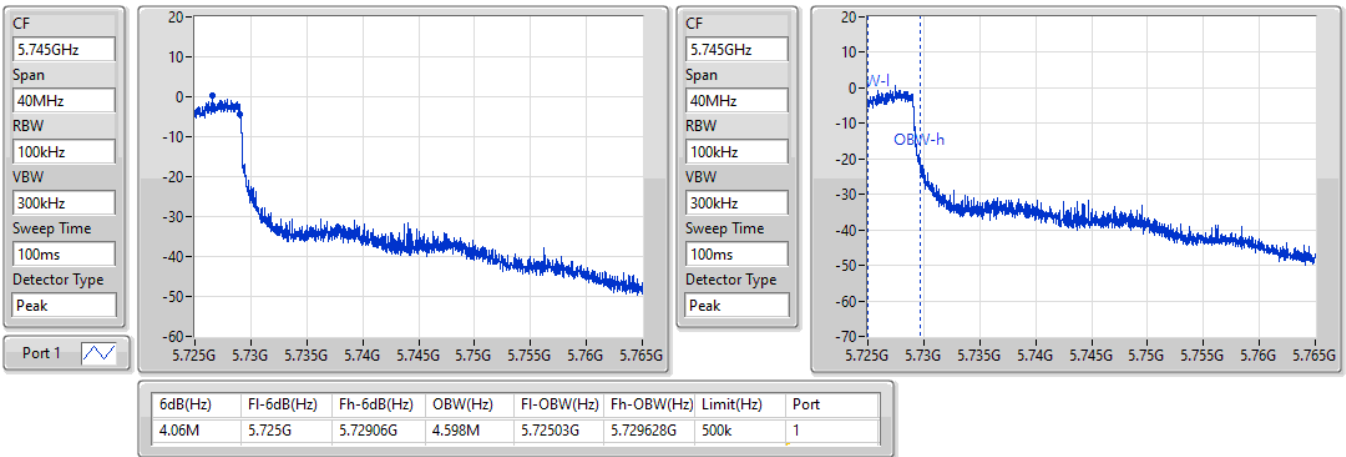


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

25/08/2021

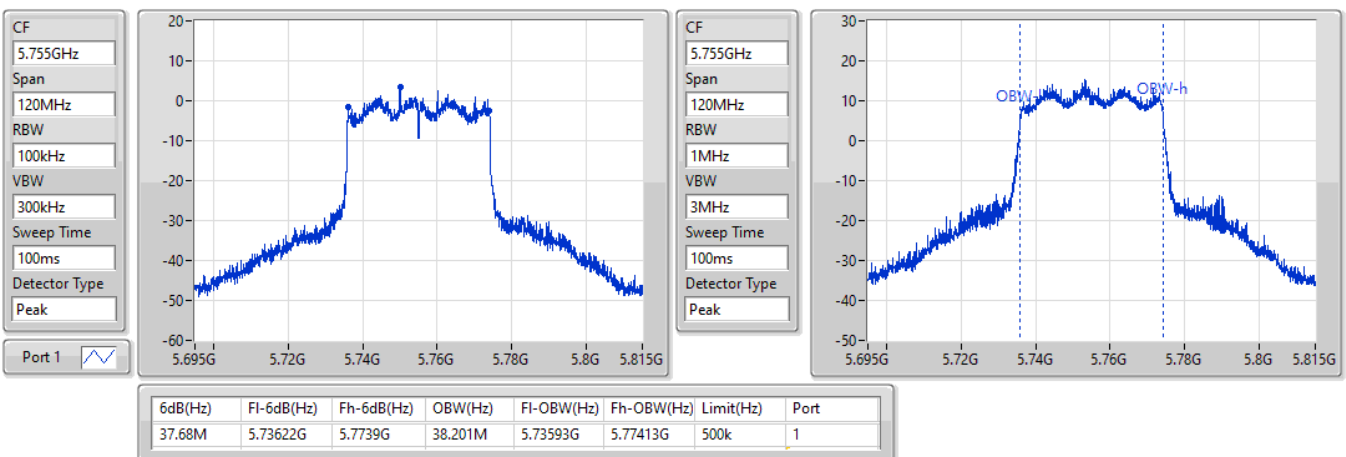


802.11ax HEW40_Nss1,(MCS0)_1TX

EBW

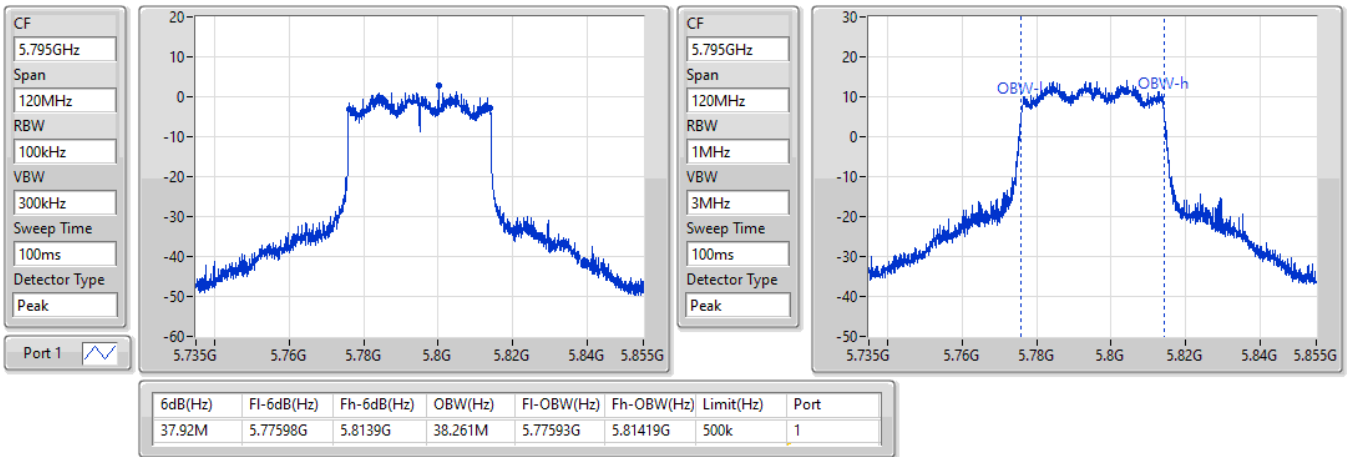
5755MHz

25/08/2021

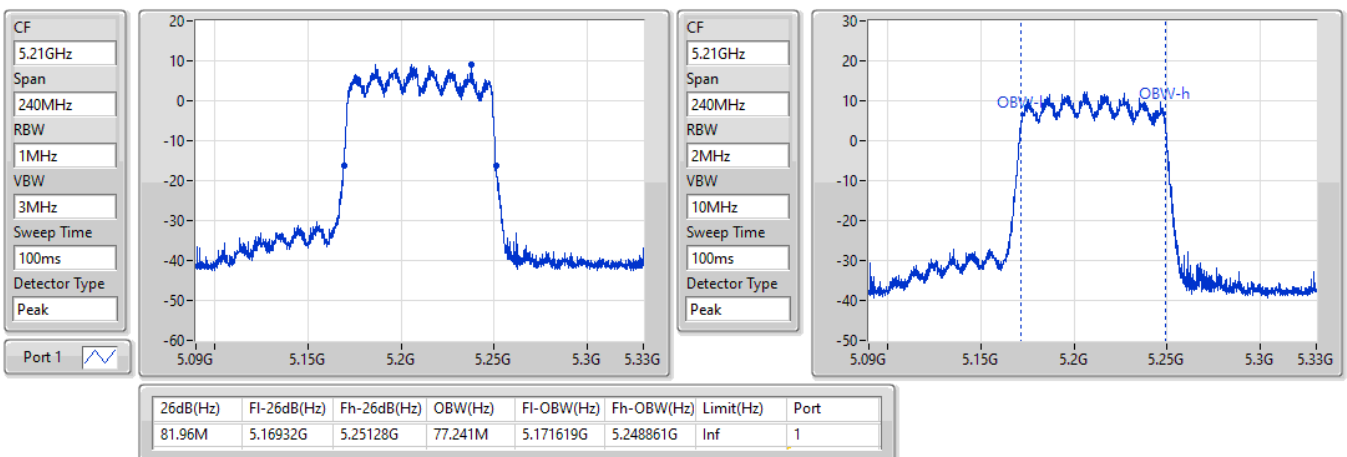


802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5795MHz

25/08/2021

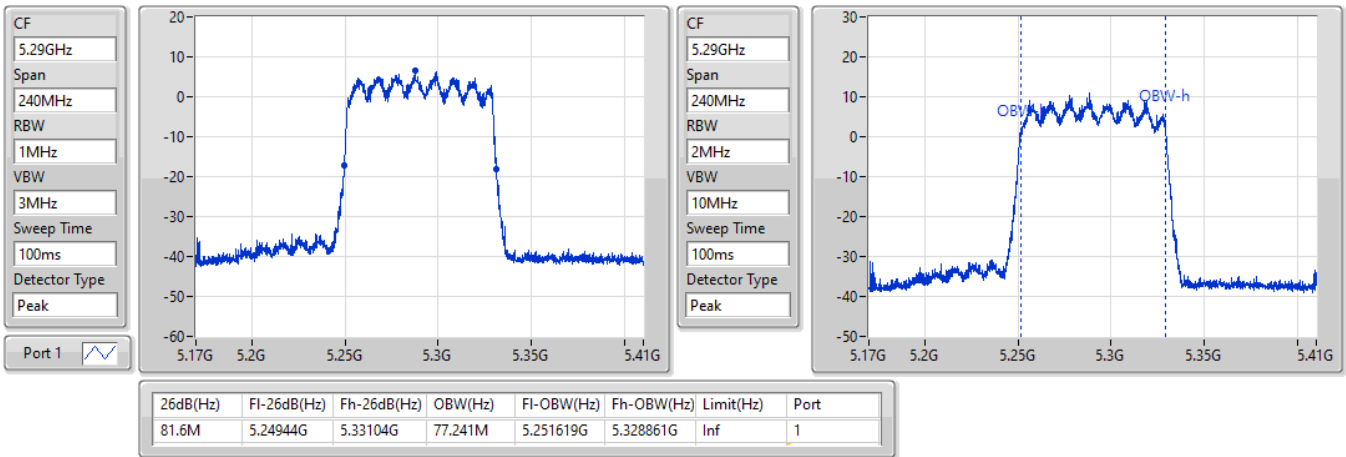

802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5210MHz

25/08/2021

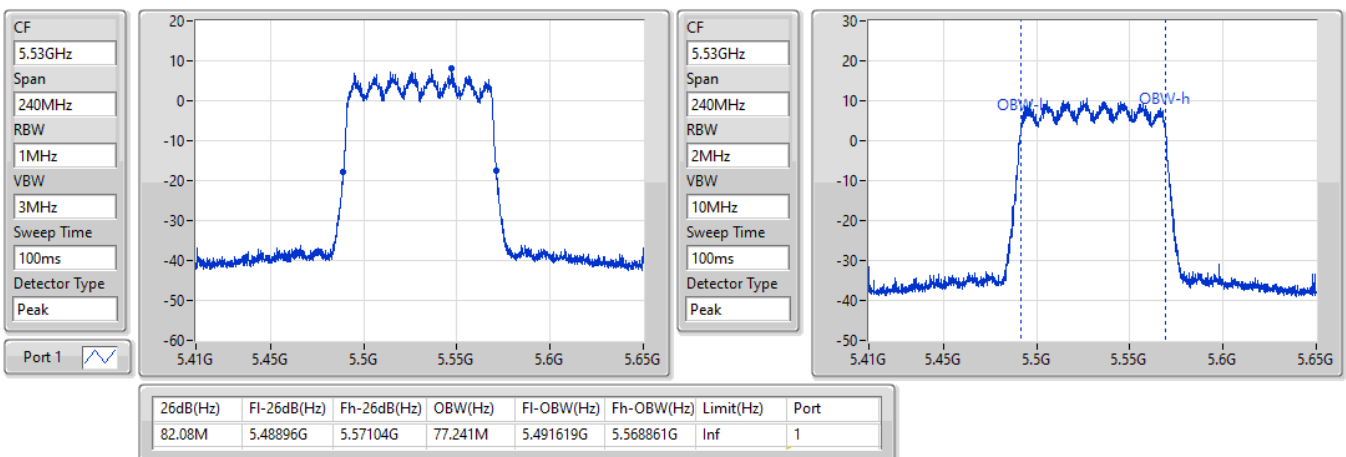


802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5290MHz

25/08/2021


802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5530MHz

25/08/2021

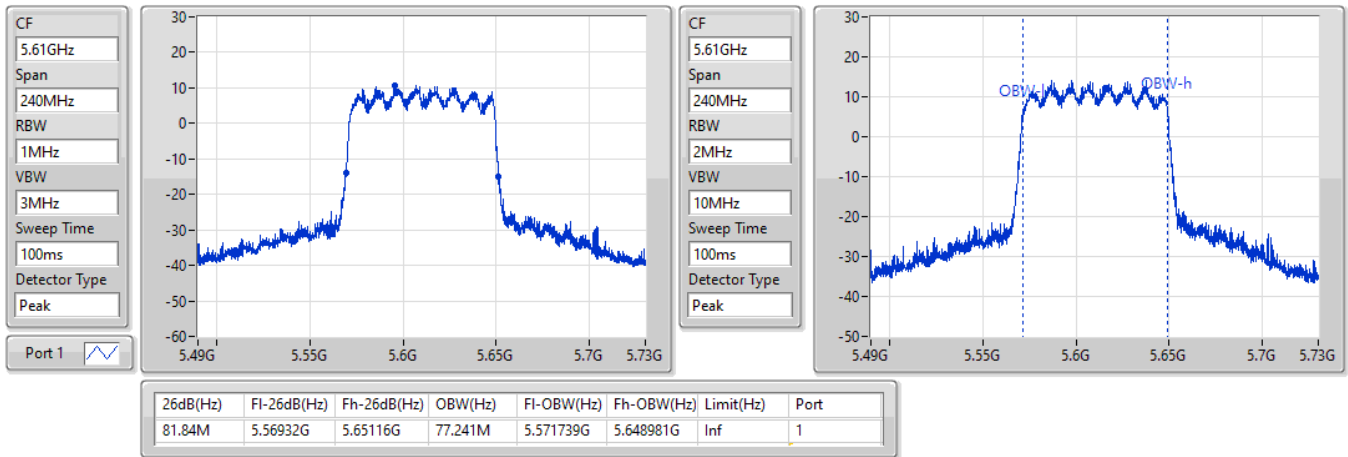


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

5610MHz

25/08/2021

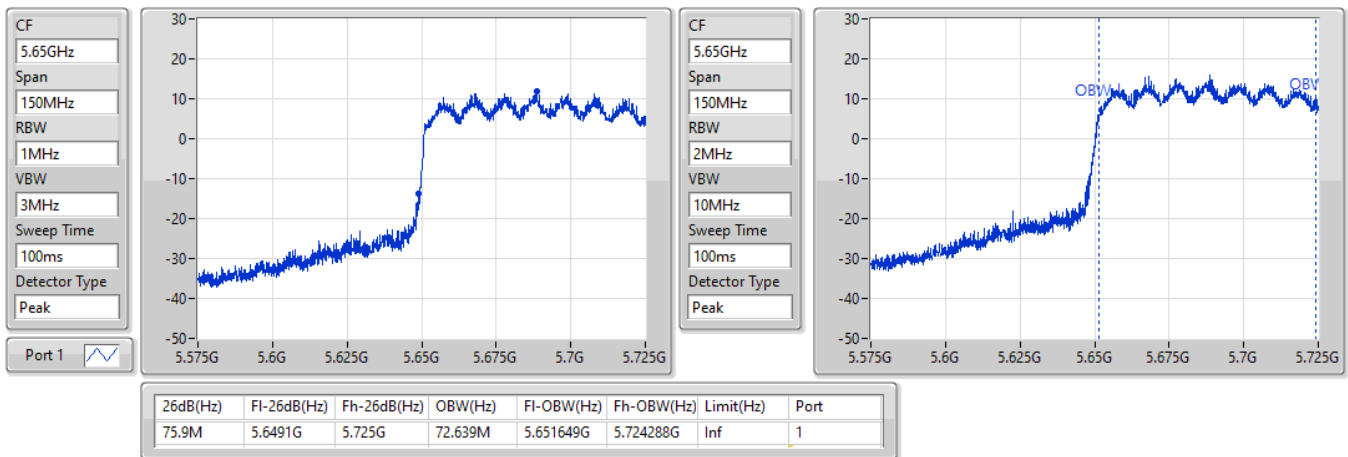


802.11ax HEW80_Nss1,(MCS0)_1TX

EBW

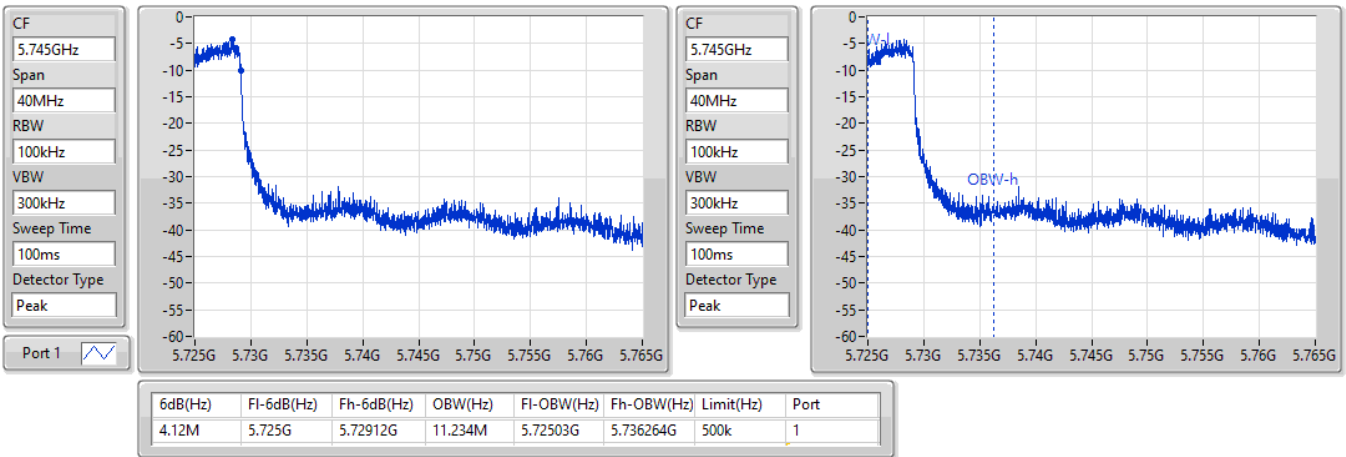
5690MHz Straddle 5.47-5.725GHz

25/08/2021

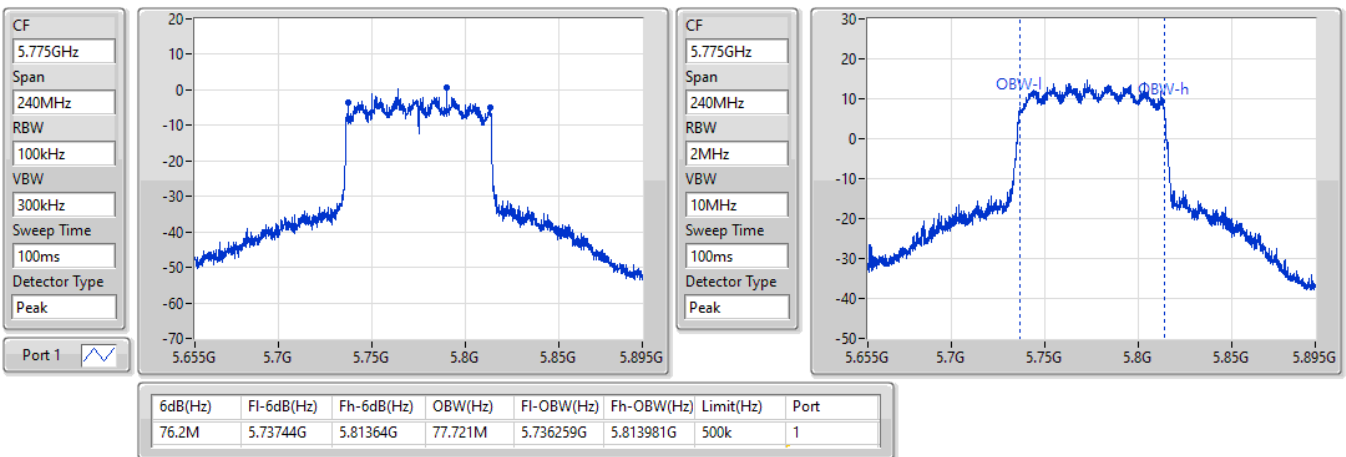


802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5690MHz Straddle 5.725-5.85GHz

25/08/2021


802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5775MHz

25/08/2021



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_2TX	19.5M	16.522M	16M5D1D	19.05M	16.252M
11a40_Nss1,(6Mbps)_2TX	40.74M	36.702M	36M7D1D	39.72M	36.042M
11a80_Nss1,(6Mbps)_2TX	81.36M	75.802M	75M8D1D	81.24M	75.562M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.84M	19.04M	19M0D1D	21.03M	18.861M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.98M	38.081M	38M1D1D	40.8M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.2M	77.241M	77M2D1D	81.96M	77.121M
5.25-5.35GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_2TX	19.5M	16.582M	16M6D1D	19.32M	16.342M
11a40_Nss1,(6Mbps)_2TX	40.32M	36.582M	36M6D1D	40.14M	36.162M
11a80_Nss1,(6Mbps)_2TX	81.6M	76.042M	76M0D1D	81.36M	75.922M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.54M	19.04M	19M0D1D	20.79M	18.831M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.98M	38.021M	38M0D1D	40.56M	37.901M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.32M	77.241M	77M2D1D	82.2M	77.121M
5.47-5.725GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_2TX	19.86M	16.462M	16M5D1D	15.06M	13.178M
11a40_Nss1,(6Mbps)_2TX	40.56M	36.702M	36M7D1D	35.245M	33.268M
11a80_Nss1,(6Mbps)_2TX	82.32M	76.402M	76M4D1D	76.05M	72.639M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.6M	19.07M	19M1D1D	15.525M	14.483M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.92M	38.141M	38M1D1D	35.525M	33.758M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.68M	77.481M	77M5D1D	76.05M	72.714M
5.725-5.85GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_2TX	16.32M	16.552M	16M6D1D	3.12M	3.538M
11a40_Nss1,(6Mbps)_2TX	36M	37.001M	37M0D1D	3.14M	9.615M
11a80_Nss1,(6Mbps)_2TX	75M	76.042M	76M0D1D	3.14M	4.398M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.87M	19.1M	19M1D1D	4.38M	4.638M
802.11ax HEW40_Nss1,(MCS0)_2TX	38.04M	38.201M	38M2D1D	3.96M	4.258M
802.11ax HEW80_Nss1,(MCS0)_2TX	76.2M	77.601M	77M6D1D	3.94M	4.718M

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)
11a20_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	19.05M	16.252M	19.38M	16.432M
5200MHz	Pass	Inf	19.05M	16.312M	19.41M	16.432M
5240MHz	Pass	Inf	19.5M	16.522M	19.32M	16.432M
5260MHz	Pass	Inf	19.5M	16.462M	19.47M	16.462M
5300MHz	Pass	Inf	19.32M	16.342M	19.41M	16.432M
5320MHz	Pass	Inf	19.47M	16.582M	19.38M	16.402M
5500MHz	Pass	Inf	19.11M	16.282M	19.86M	16.402M
5580MHz	Pass	Inf	19.02M	16.342M	19.44M	16.372M
5700MHz	Pass	Inf	19.38M	16.402M	19.38M	16.462M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.285M	13.178M	15.06M	13.238M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.12M	3.918M	3.14M	3.538M
5745MHz	Pass	500k	16.02M	16.552M	16.32M	16.432M
5785MHz	Pass	500k	15.12M	16.372M	16.32M	16.432M
5825MHz	Pass	500k	15M	16.432M	16.29M	16.522M
11a40_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.72M	36.042M	40.02M	36.522M
5230MHz	Pass	Inf	40.74M	36.342M	40.56M	36.702M
5270MHz	Pass	Inf	40.26M	36.582M	40.32M	36.582M
5310MHz	Pass	Inf	40.14M	36.162M	40.14M	36.462M
5510MHz	Pass	Inf	39.78M	35.982M	40.02M	36.462M
5550MHz	Pass	Inf	40.56M	36.702M	40.02M	36.642M
5670MHz	Pass	Inf	40.26M	36.342M	40.08M	36.582M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	37.17M	33.268M	35.245M	33.268M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	18.471M	3.14M	9.615M
5755MHz	Pass	500k	34.98M	37.001M	36M	36.762M
5795MHz	Pass	500k	34.08M	36.702M	36M	36.702M
11a80_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.24M	75.562M	81.36M	75.802M
5290MHz	Pass	Inf	81.36M	76.042M	81.6M	75.922M
5530MHz	Pass	Inf	82.08M	76.402M	81.96M	76.162M
5610MHz	Pass	Inf	81.72M	76.042M	82.32M	76.042M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.575M	72.789M	76.05M	72.639M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	10.615M	3.14M	4.398M
5775MHz	Pass	500k	75M	75.802M	73.92M	76.042M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.03M	19.04M	21.3M	18.921M
5200MHz	Pass	Inf	21.06M	19.04M	21.51M	18.951M
5240MHz	Pass	Inf	21.06M	18.861M	21.84M	18.921M
5260MHz	Pass	Inf	21M	18.951M	21.3M	18.981M
5300MHz	Pass	Inf	20.79M	18.831M	21.42M	18.951M
5320MHz	Pass	Inf	20.82M	19.04M	21.54M	18.921M
5500MHz	Pass	Inf	21.27M	19.07M	21.33M	18.981M
5580MHz	Pass	Inf	21.27M	18.981M	21.36M	18.981M
5700MHz	Pass	Inf	21.09M	18.891M	21.6M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.525M	14.483M	15.585M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.658M	4.38M	4.638M
5745MHz	Pass	500k	15.9M	18.861M	18.87M	18.951M
5785MHz	Pass	500k	18.75M	19.07M	18.66M	18.921M
5825MHz	Pass	500k	18.78M	19.1M	18.75M	18.981M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	40.98M	38.081M	40.8M	37.961M
5230MHz	Pass	Inf	40.86M	37.901M	40.86M	37.961M
5270MHz	Pass	Inf	40.56M	37.961M	40.62M	37.961M
5310MHz	Pass	Inf	40.86M	38.021M	40.98M	37.901M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5510MHz	Pass	Inf	40.26M	37.661M	40.8M	37.841M
5550MHz	Pass	Inf	40.68M	38.141M	40.92M	38.081M
5670MHz	Pass	Inf	40.44M	37.901M	40.62M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.525M	33.758M	35.525M	33.828M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	4.638M	3.96M	4.258M
5755MHz	Pass	500k	37.8M	38.201M	37.8M	37.901M
5795MHz	Pass	500k	38.04M	38.201M	37.62M	38.021M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	81.96M	77.241M	82.2M	77.121M
5290MHz	Pass	Inf	82.32M	77.241M	82.2M	77.121M
5530MHz	Pass	Inf	81.96M	77.241M	82.32M	77.121M
5610MHz	Pass	Inf	81.48M	77.121M	82.68M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.05M	72.714M	76.425M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	12.074M	3.94M	4.718M
5775MHz	Pass	500k	72.24M	77.601M	76.2M	77.241M

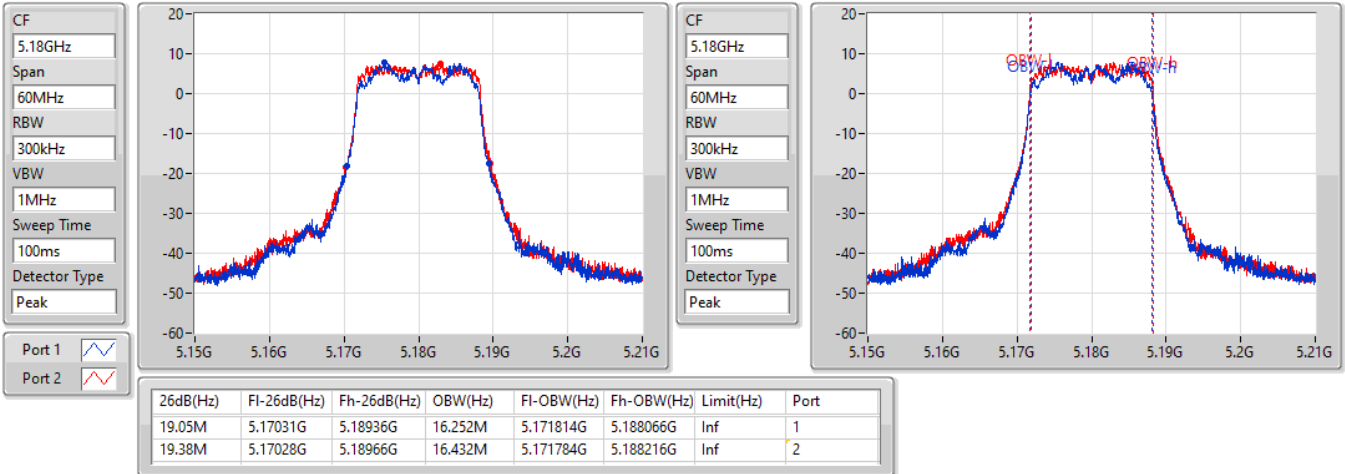
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

11a20_Nss1,(6Mbps)_2TX

EBW

5180MHz

25/08/2021

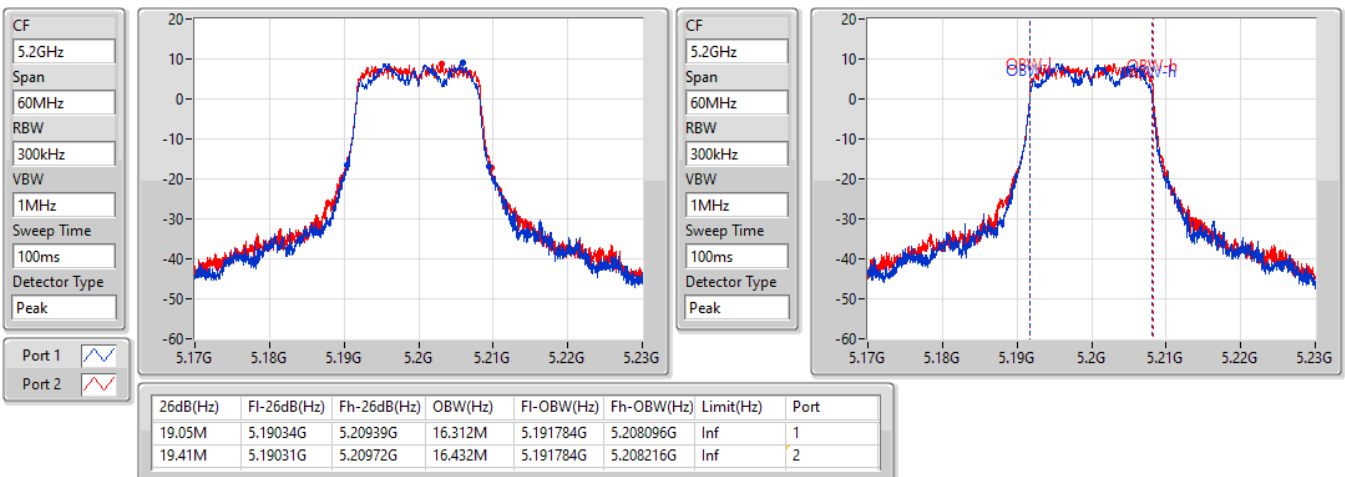


11a20_Nss1,(6Mbps)_2TX

EBW

5200MHz

25/08/2021

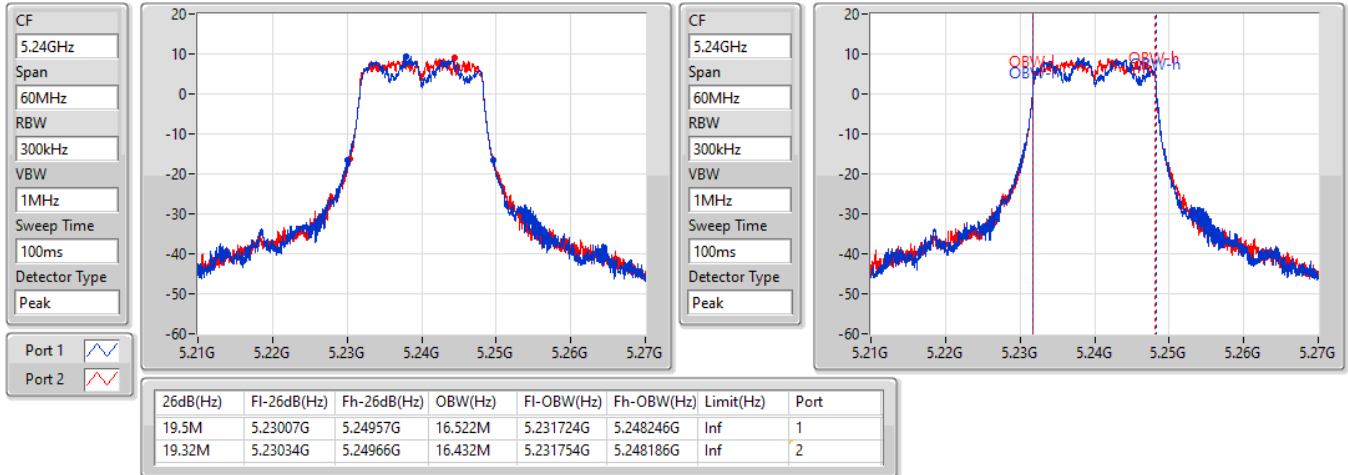


11a20_Nss1,(6Mbps)_2TX

EBW

5240MHz

25/08/2021

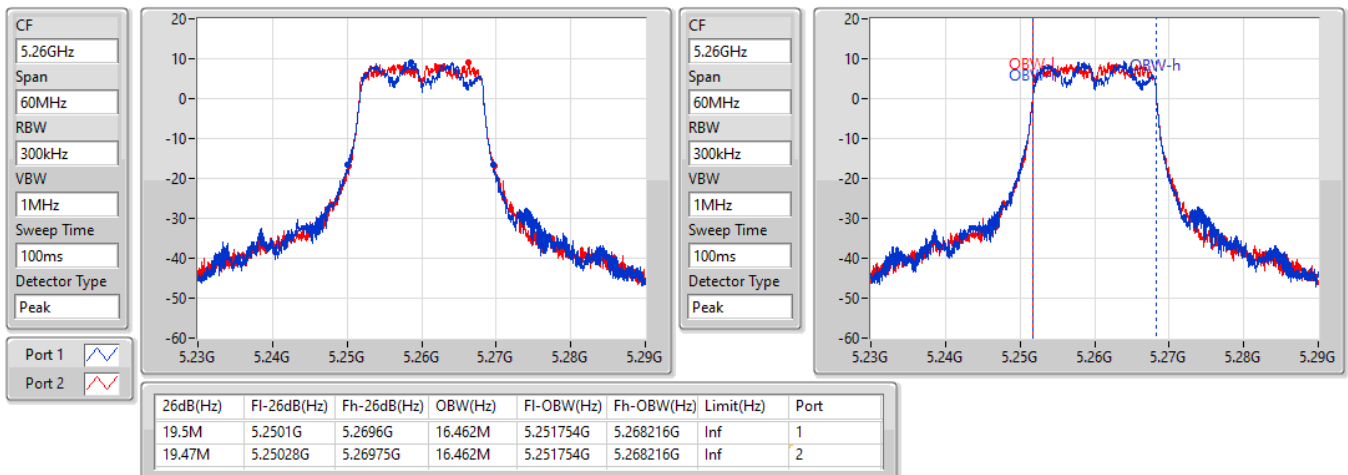


11a20_Nss1,(6Mbps)_2TX

EBW

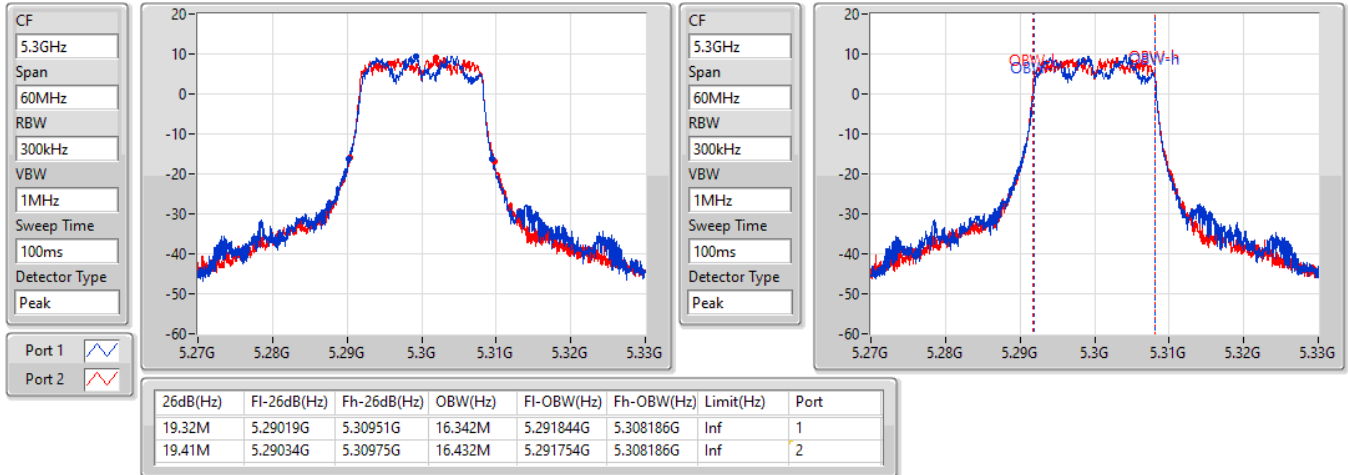
5260MHz

25/08/2021

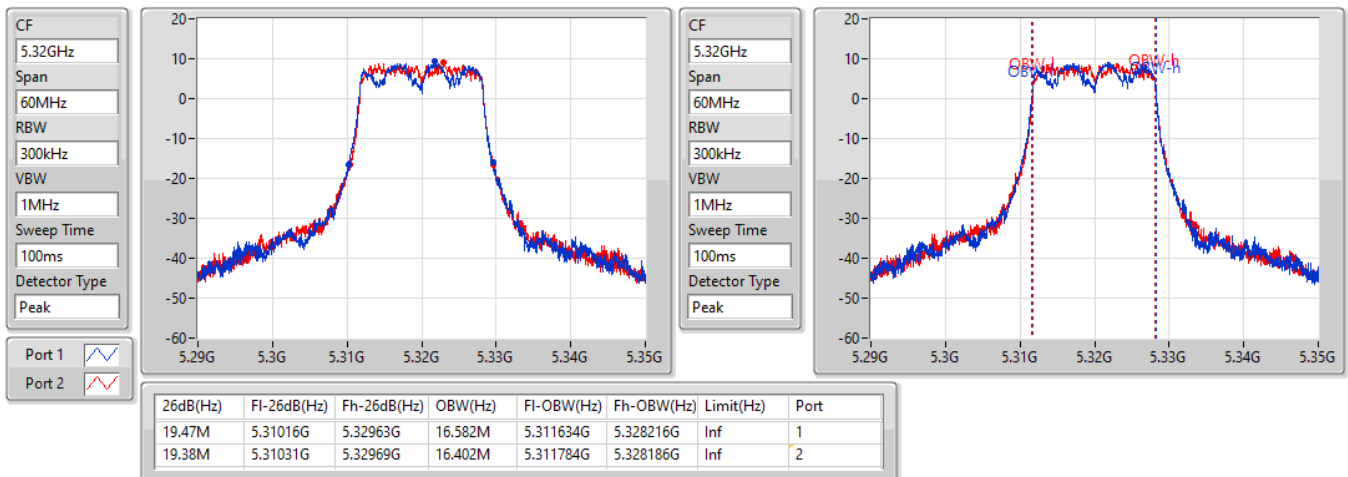


11a20_Nss1,(6Mbps)_2TX
EBW
5300MHz

25/08/2021


11a20_Nss1,(6Mbps)_2TX
EBW
5320MHz

25/08/2021

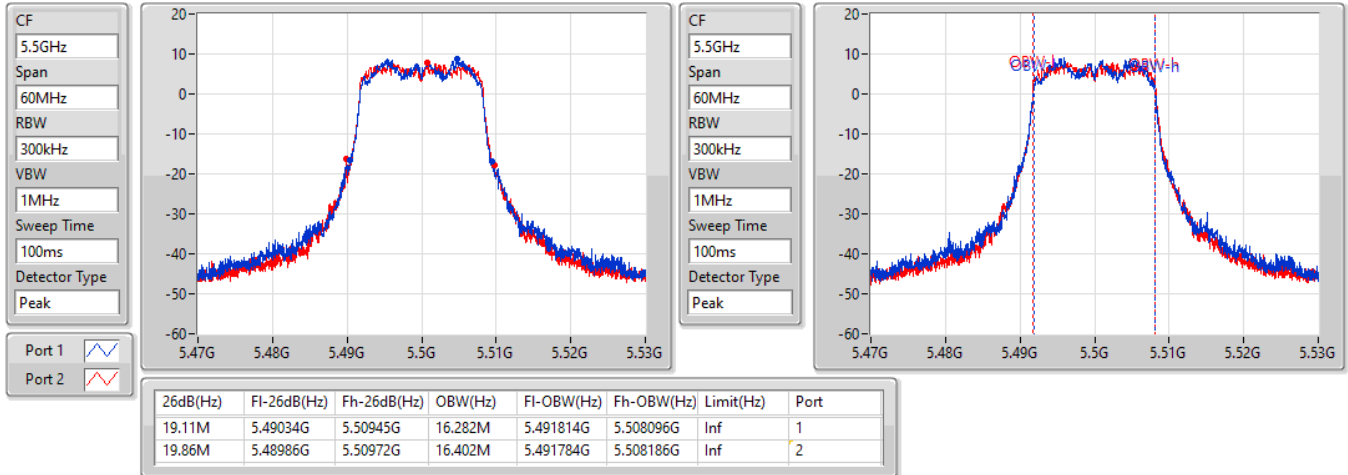


11a20_Nss1,(6Mbps)_2TX

EBW

5500MHz

25/08/2021

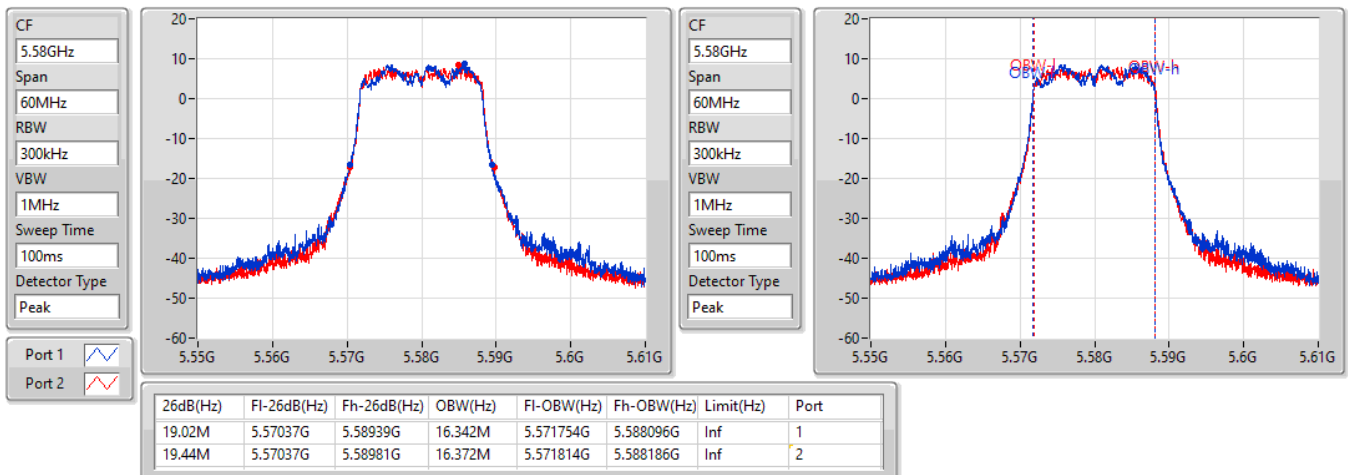


11a20_Nss1,(6Mbps)_2TX

EBW

5580MHz

25/08/2021

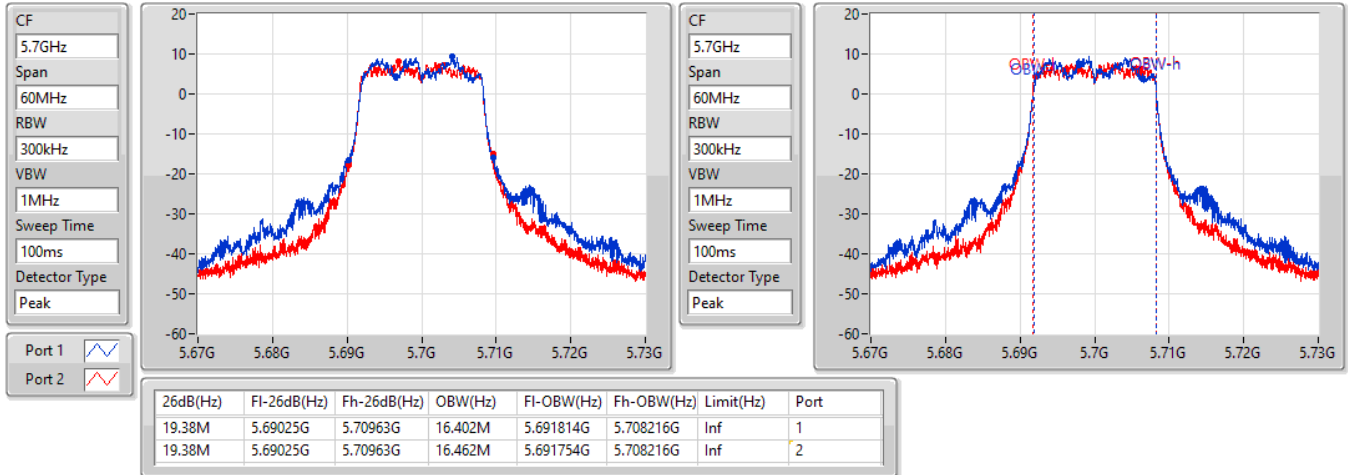


11a20_Nss1,(6Mbps)_2TX

EBW

5700MHz

25/08/2021

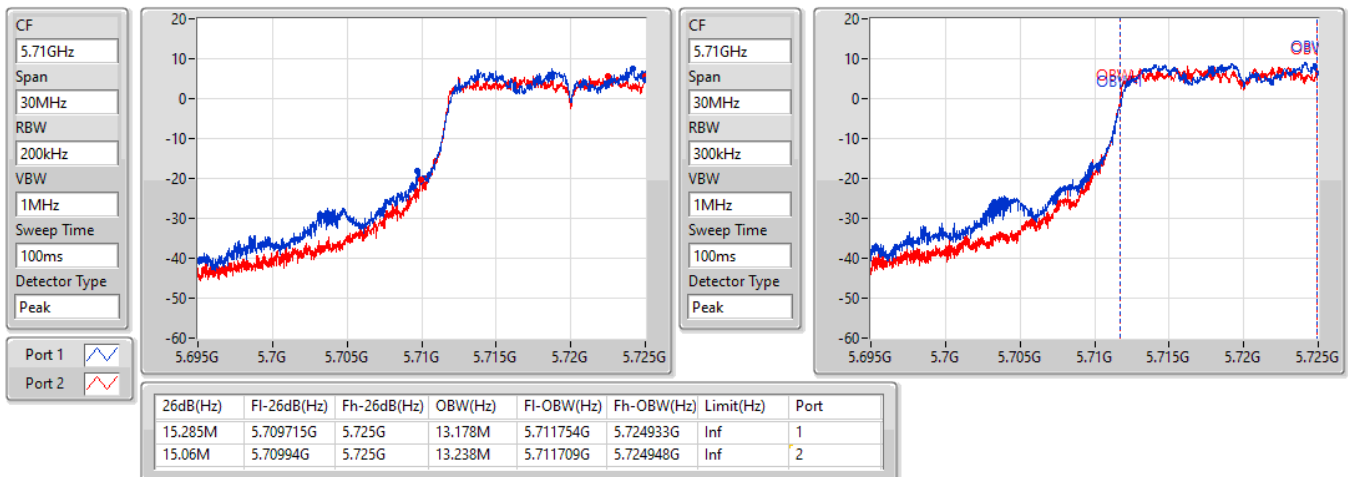


11a20_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

25/08/2021

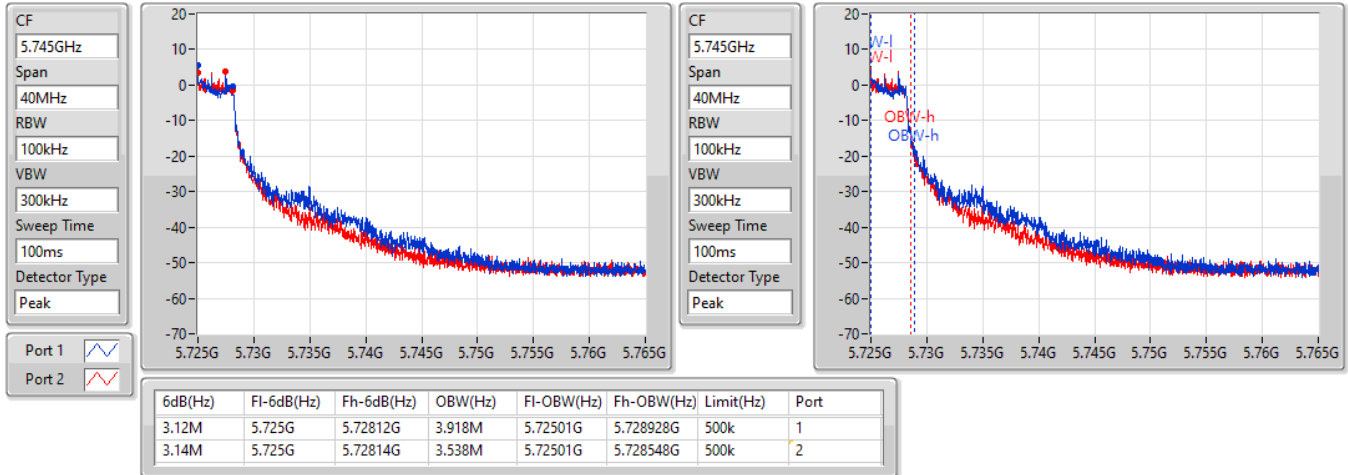


11a20_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

25/08/2021

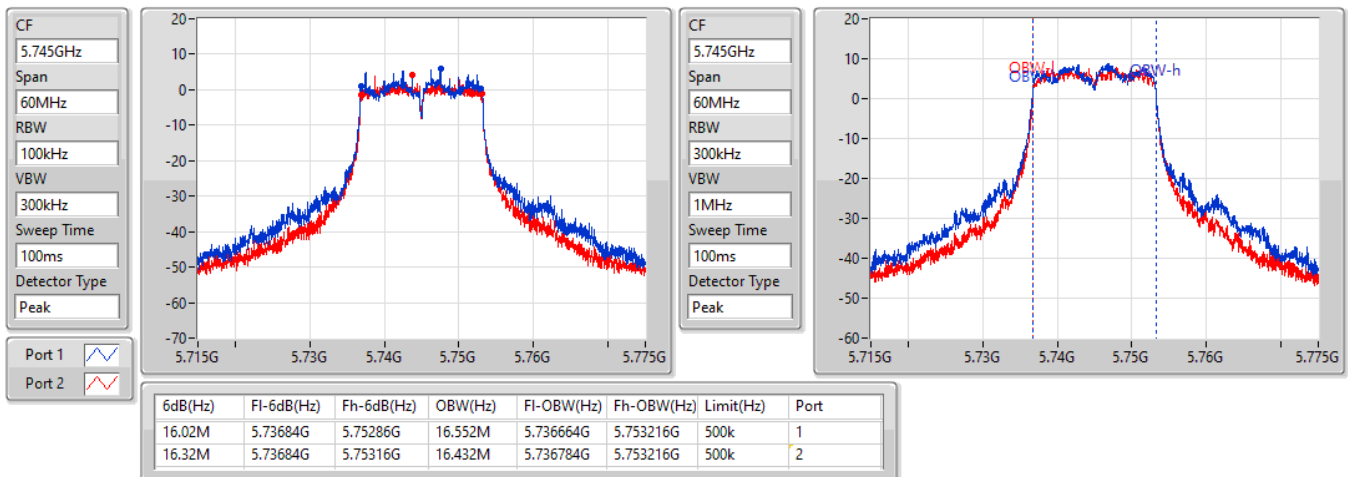


11a20_Nss1,(6Mbps)_2TX

EBW

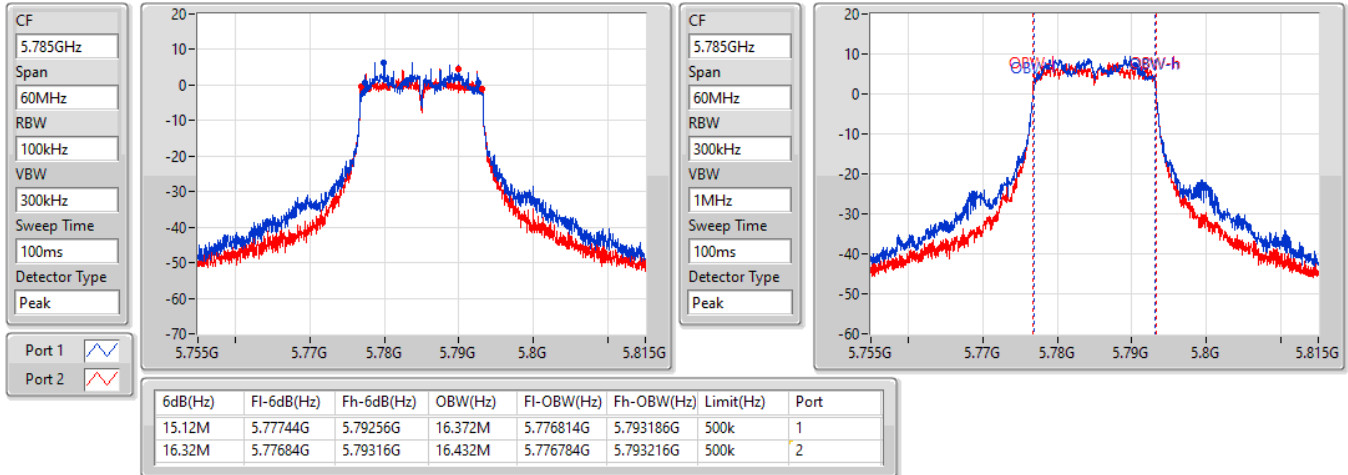
5745MHz

25/08/2021

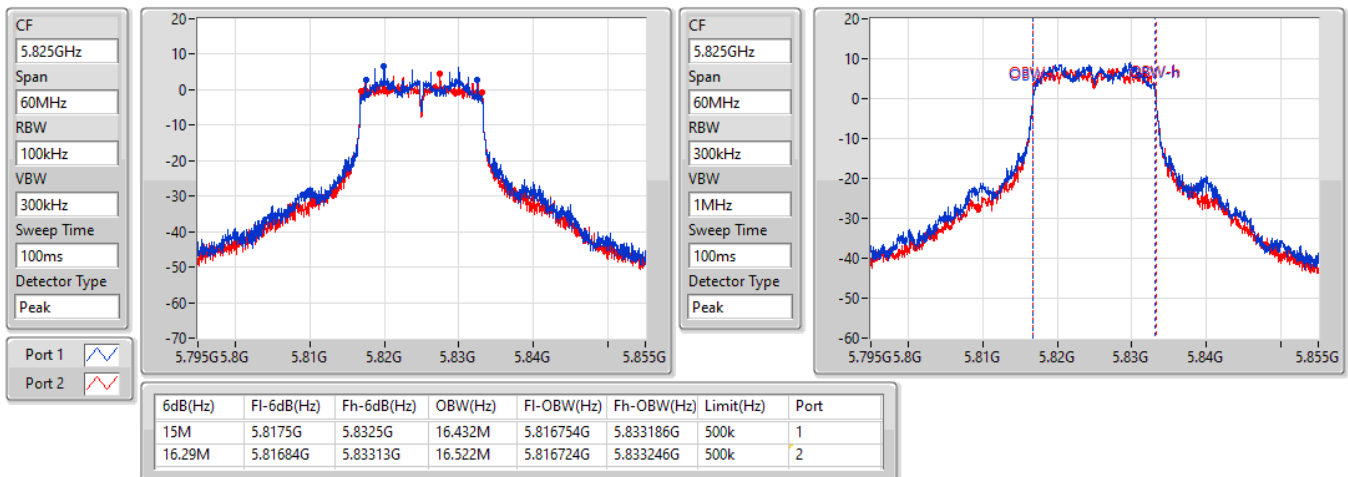


11a20_Nss1,(6Mbps)_2TX
EBW
5785MHz

25/08/2021


11a20_Nss1,(6Mbps)_2TX
EBW
5825MHz

25/08/2021

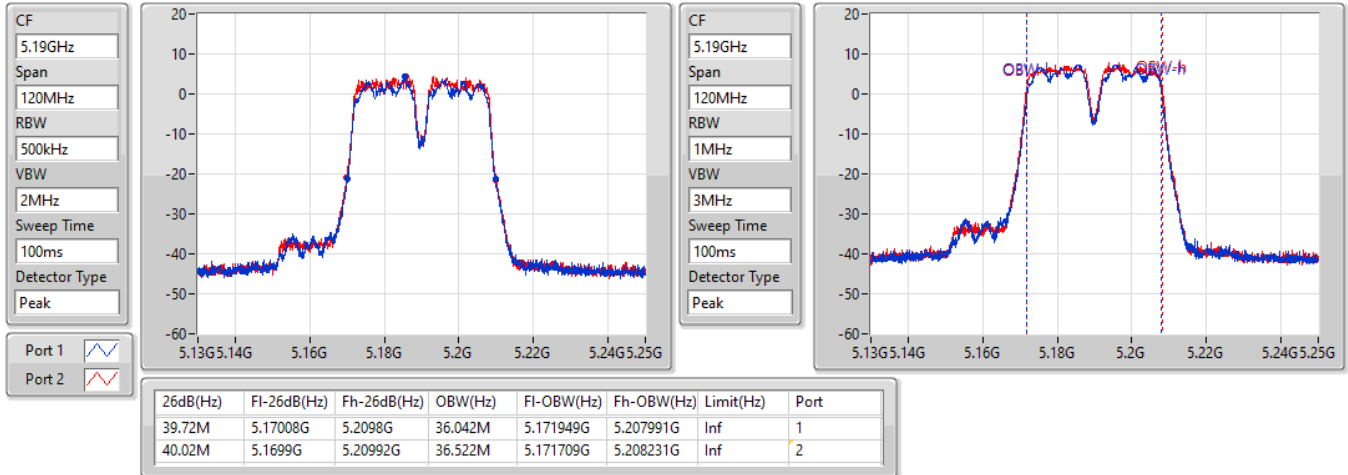


11a40_Nss1,(6Mbps)_2TX

EBW

5190MHz

25/08/2021

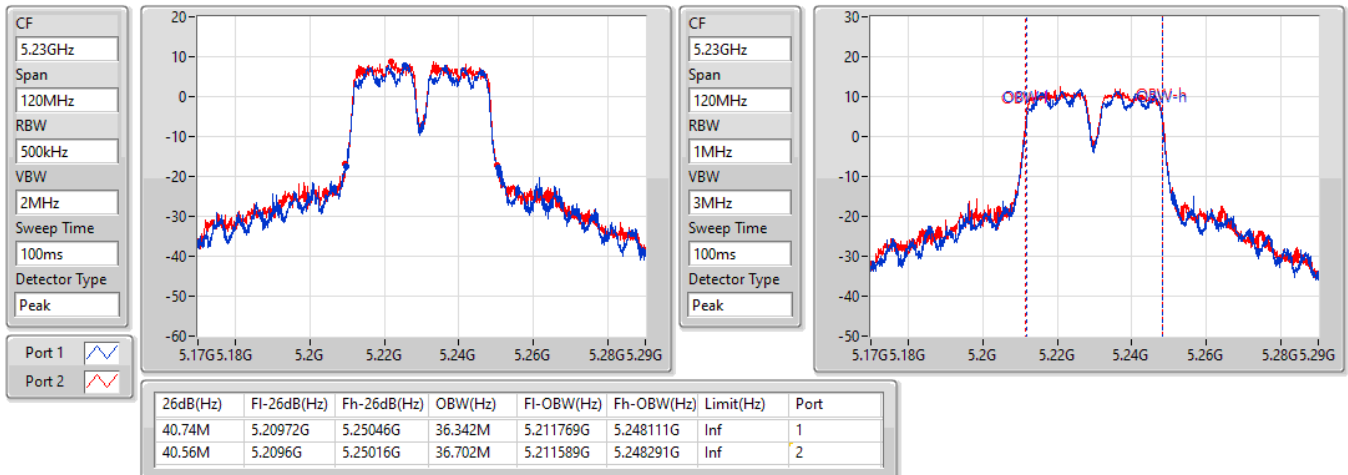


11a40_Nss1,(6Mbps)_2TX

EBW

5230MHz

25/08/2021

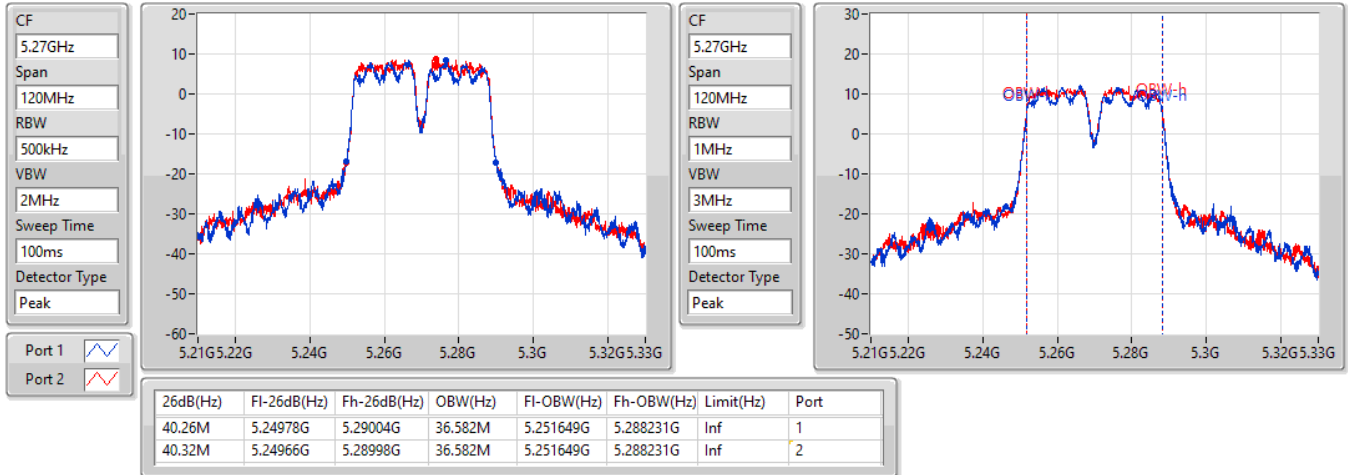


11a40_Nss1,(6Mbps)_2TX

EBW

5270MHz

25/08/2021

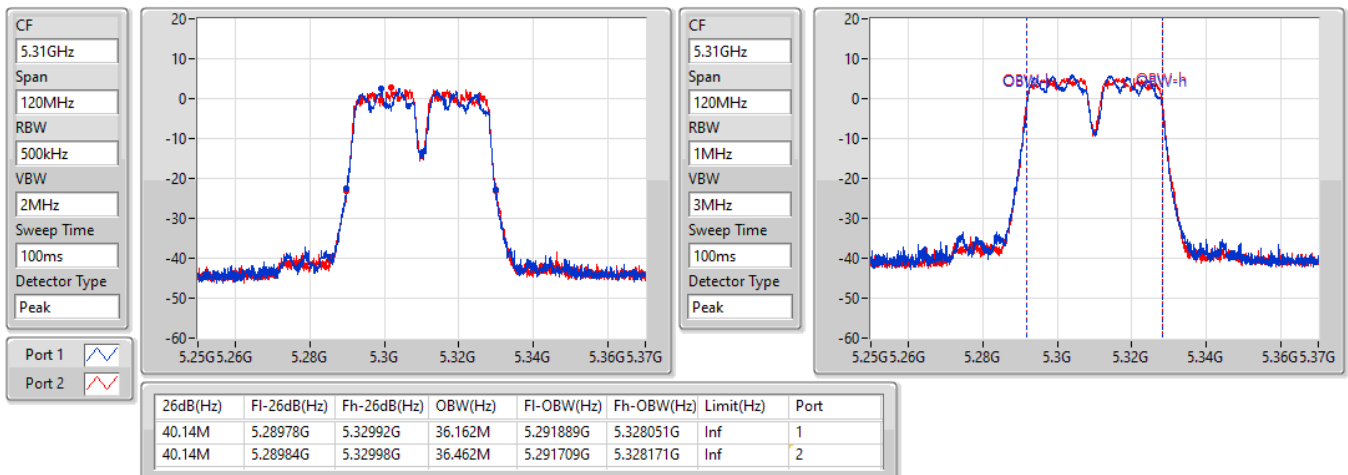


11a40_Nss1,(6Mbps)_2TX

EBW

5310MHz

25/08/2021

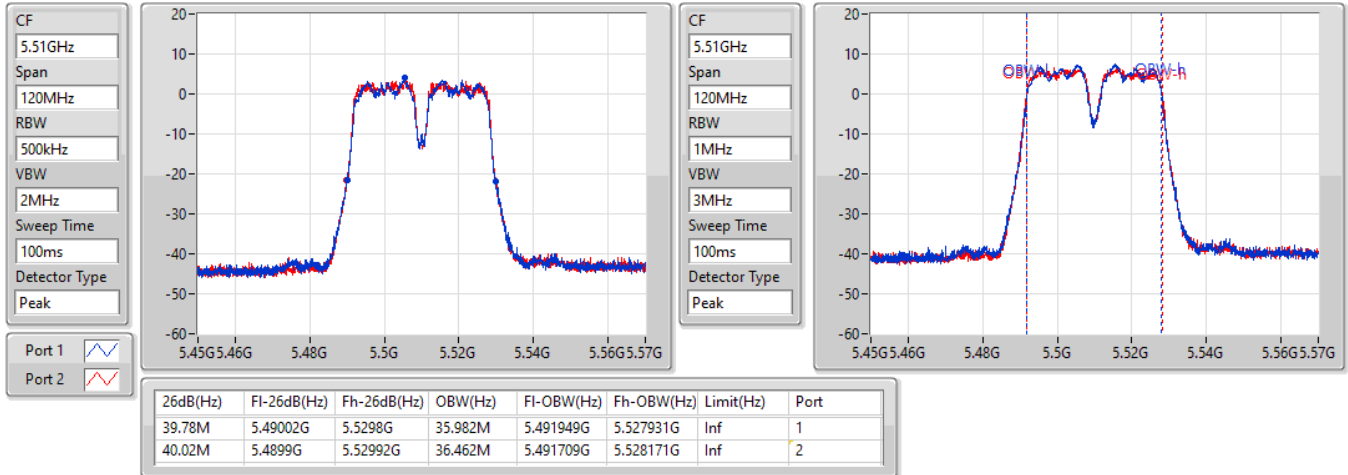


11a40_Nss1,(6Mbps)_2TX

EBW

5510MHz

25/08/2021

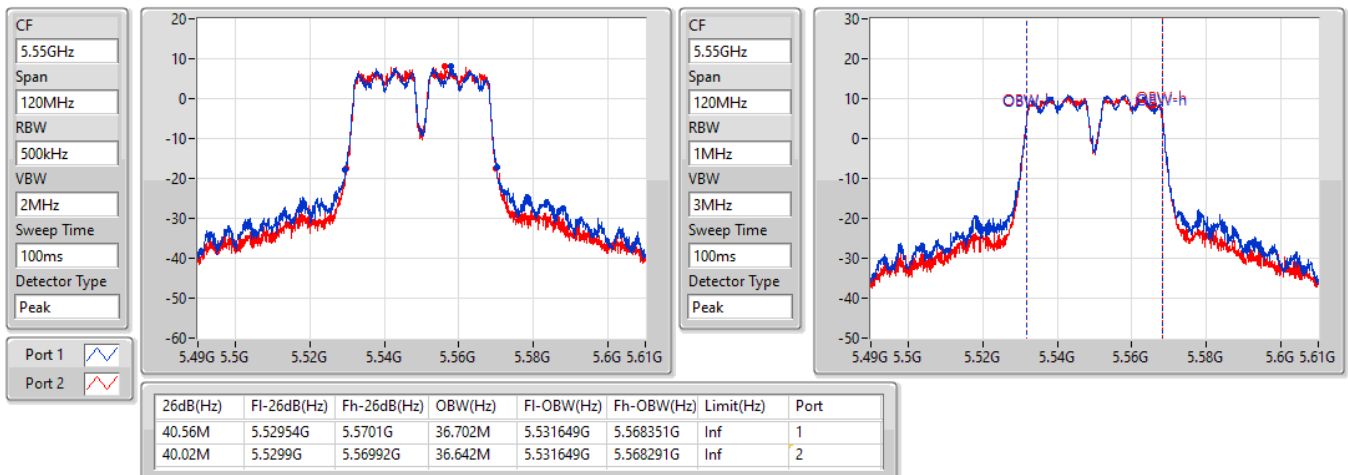


11a40_Nss1,(6Mbps)_2TX

EBW

5550MHz

25/08/2021

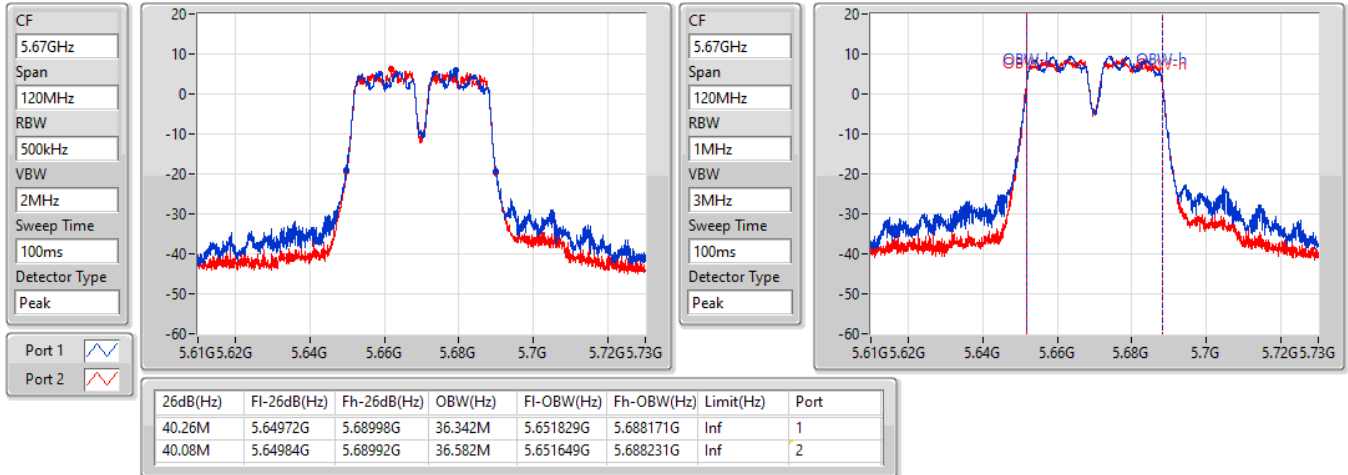


11a40_Nss1,(6Mbps)_2TX

EBW

5670MHz

25/08/2021

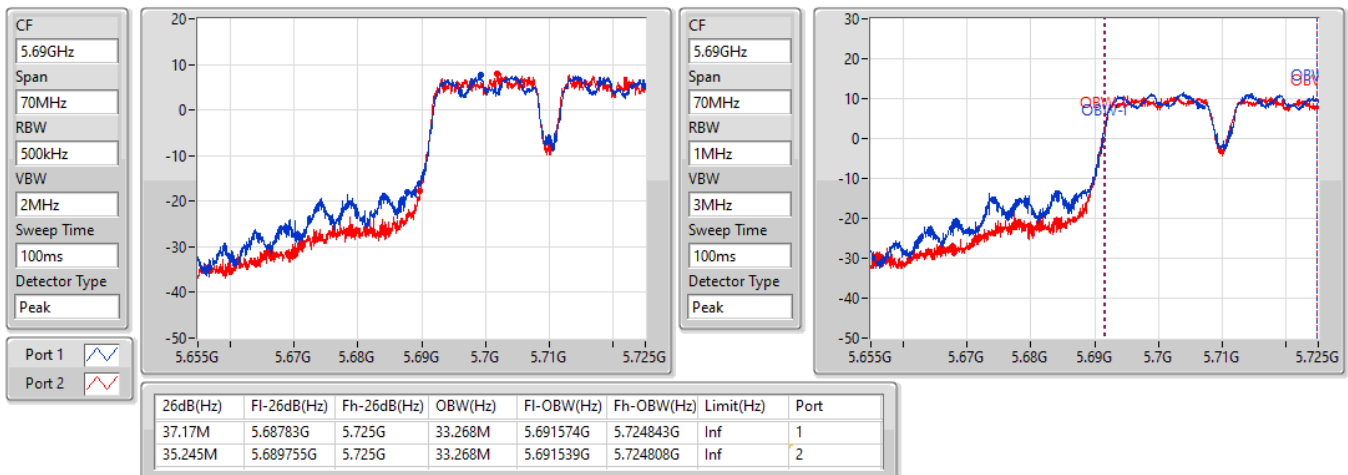


11a40_Nss1,(6Mbps)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

25/08/2021

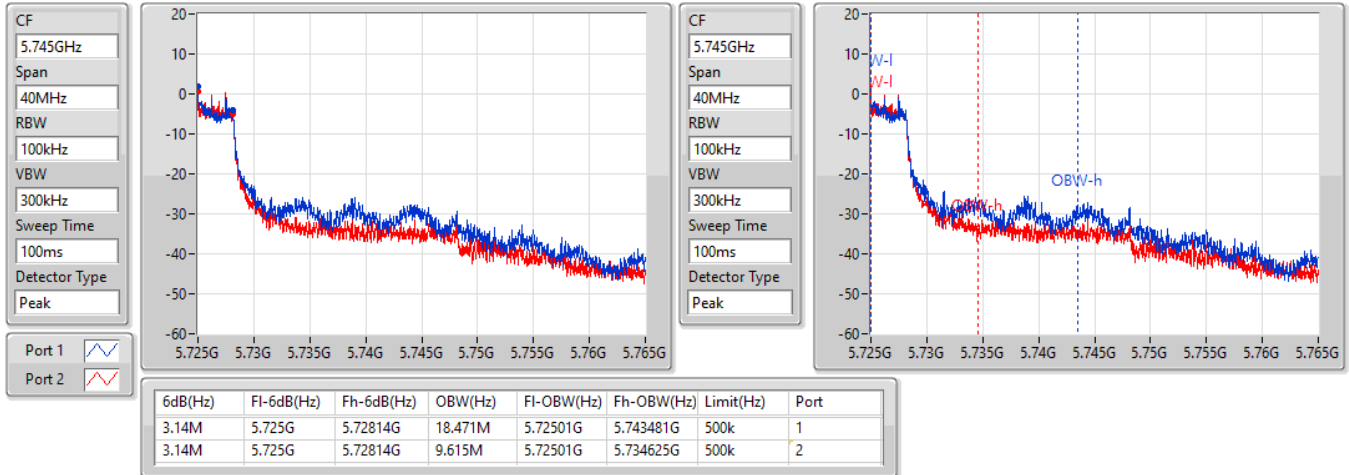


11a40_Nss1,(6Mbps)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

25/08/2021

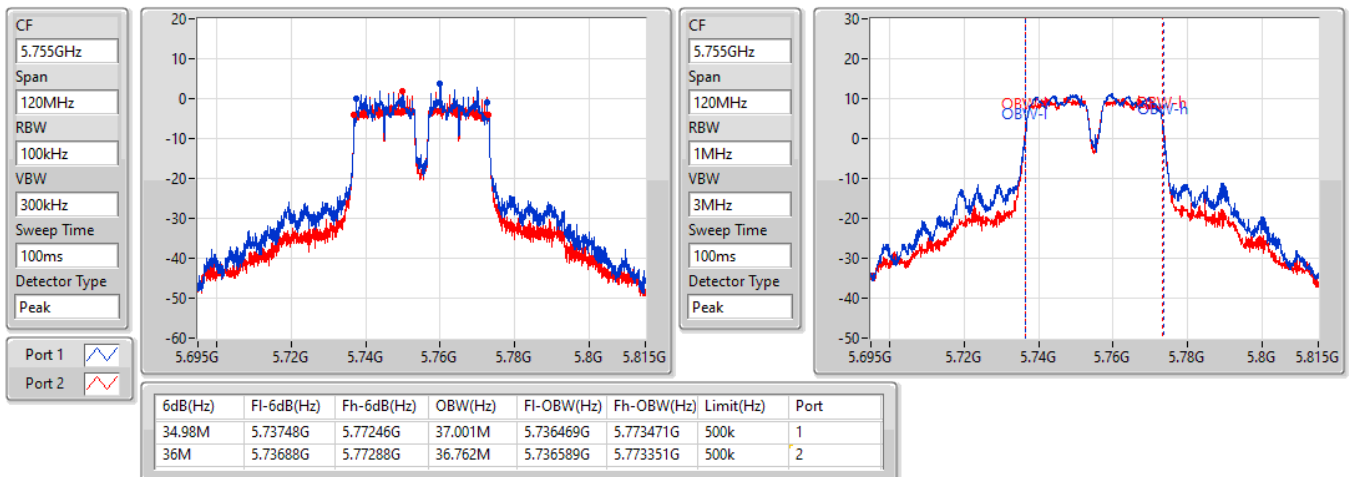


11a40_Nss1,(6Mbps)_2TX

EBW

5755MHz

25/08/2021

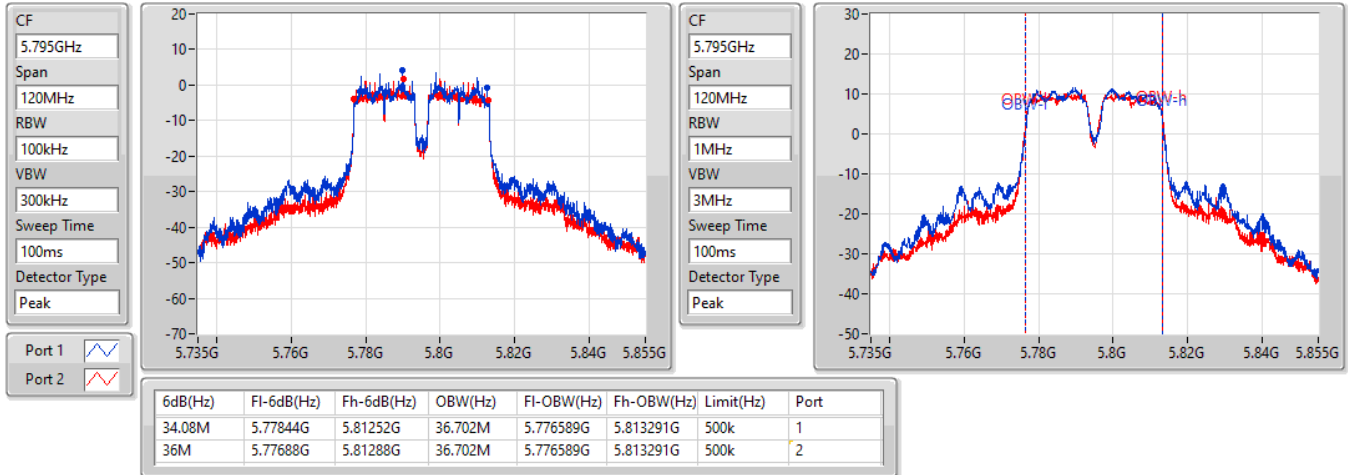


11a40_Nss1,(6Mbps)_2TX

EBW

5795MHz

25/08/2021

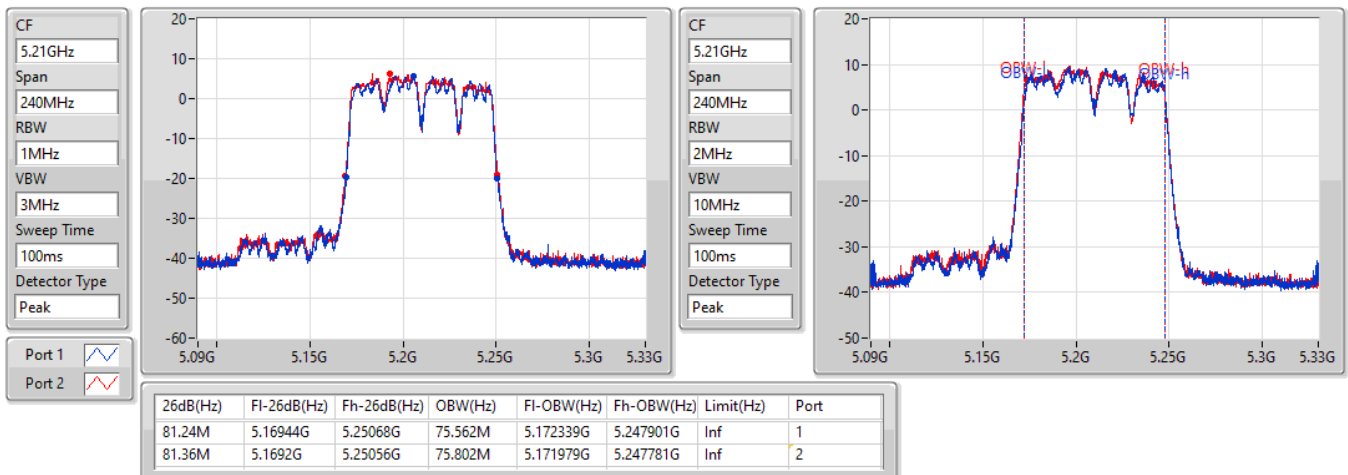


11a80_Nss1,(6Mbps)_2TX

EBW

5210MHz

25/08/2021

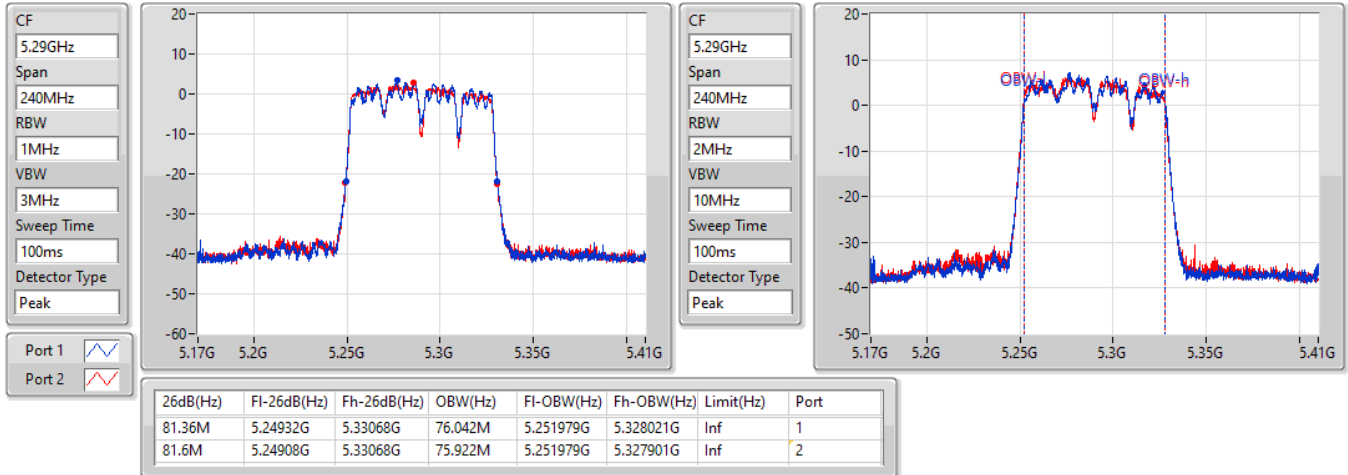


11a80_Nss1,(6Mbps)_2TX

EBW

5290MHz

25/08/2021

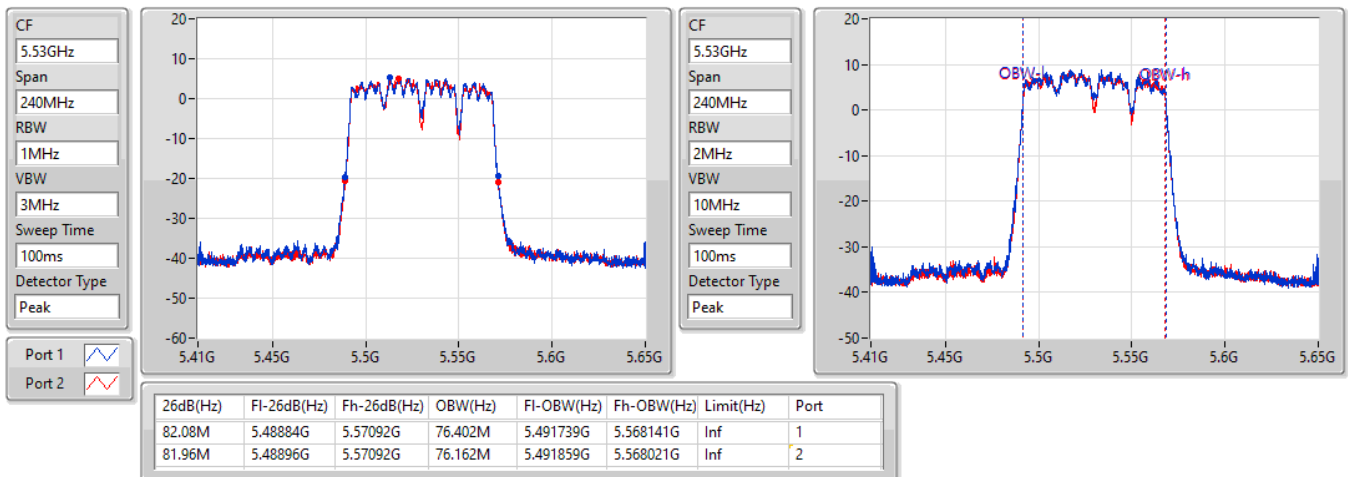


11a80_Nss1,(6Mbps)_2TX

EBW

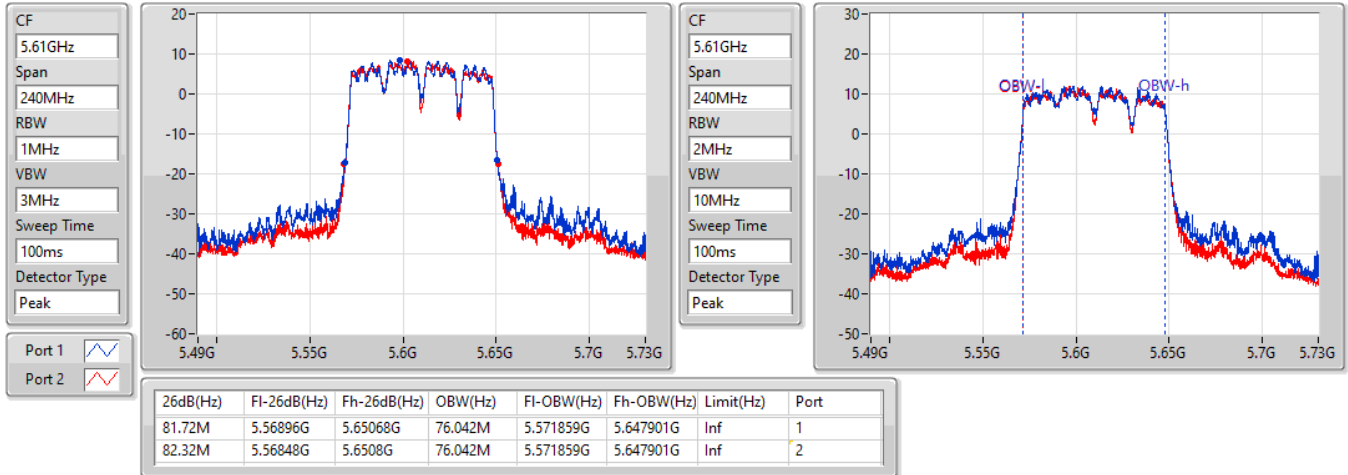
5530MHz

25/08/2021

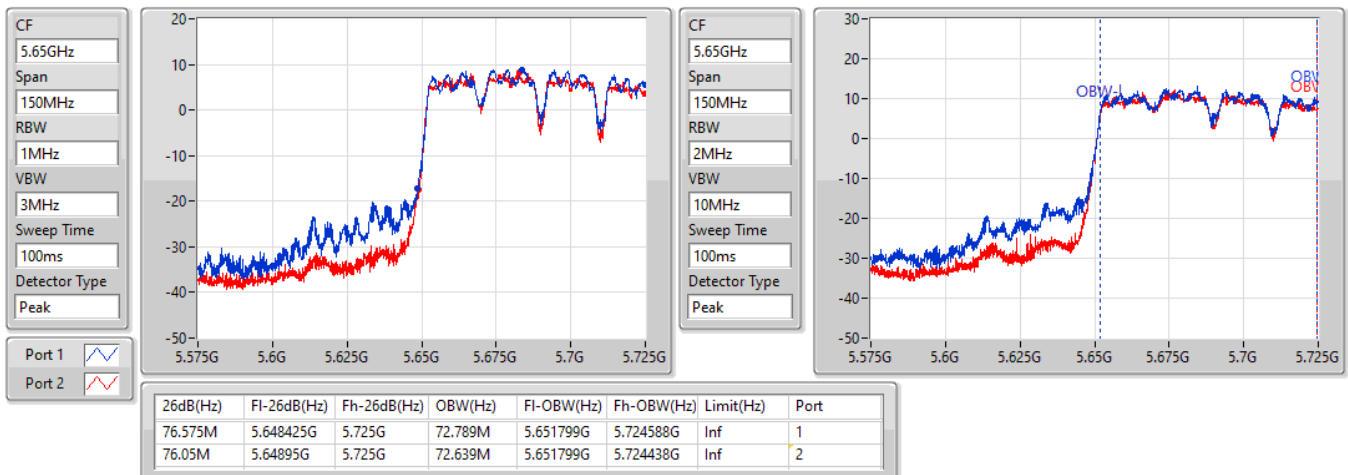


11a80_Nss1,(6Mbps)_2TX
EBW
5610MHz

25/08/2021


11a80_Nss1,(6Mbps)_2TX
EBW
5690MHz Straddle 5.47-5.725GHz

25/08/2021

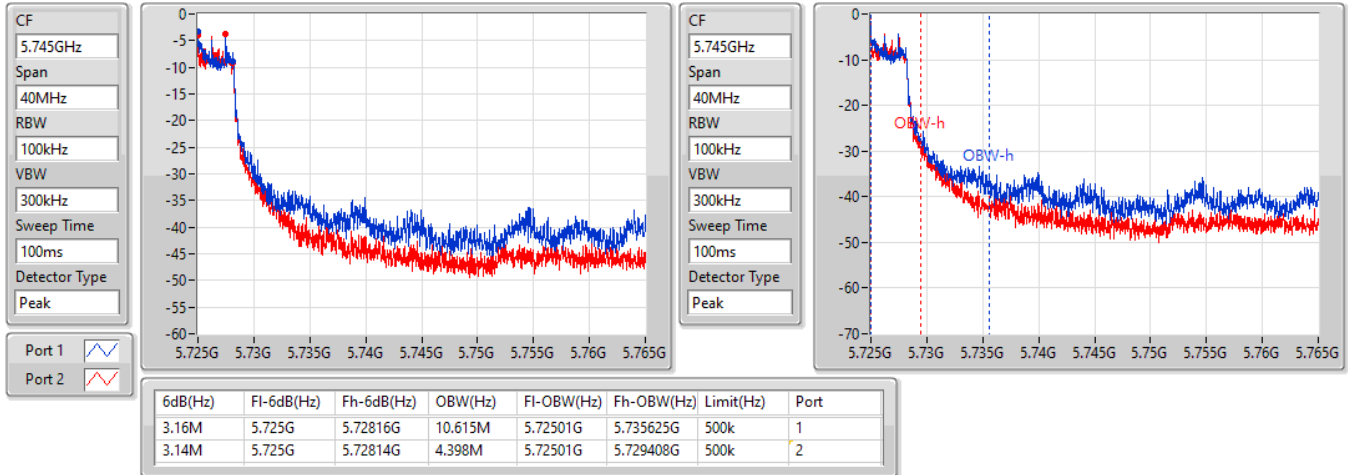


11a80_Nss1,(6Mbps)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

25/08/2021

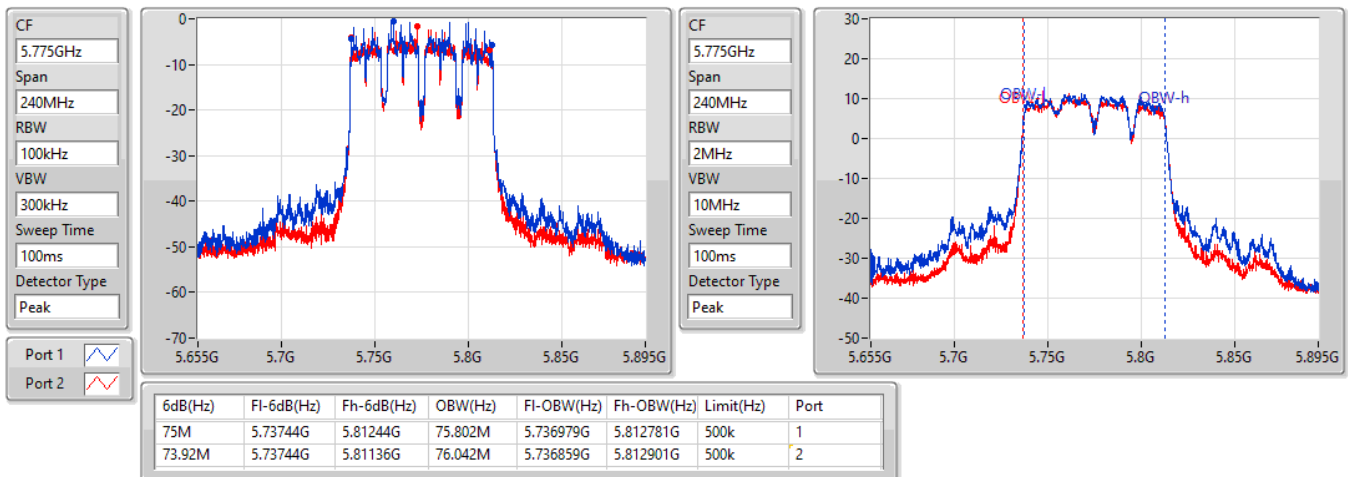


11a80_Nss1,(6Mbps)_2TX

EBW

5775MHz

25/08/2021

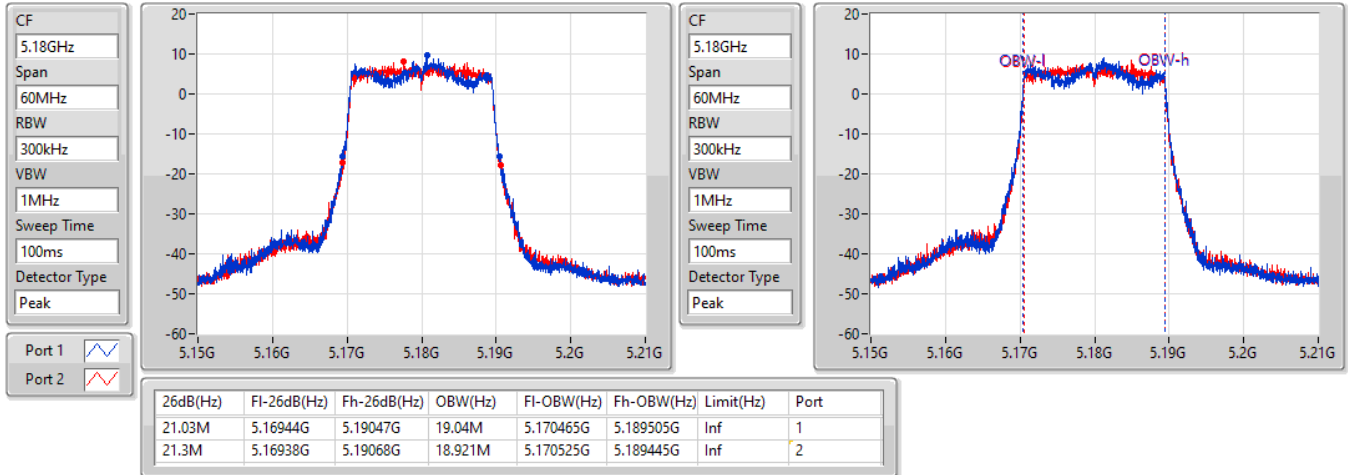


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

25/08/2021

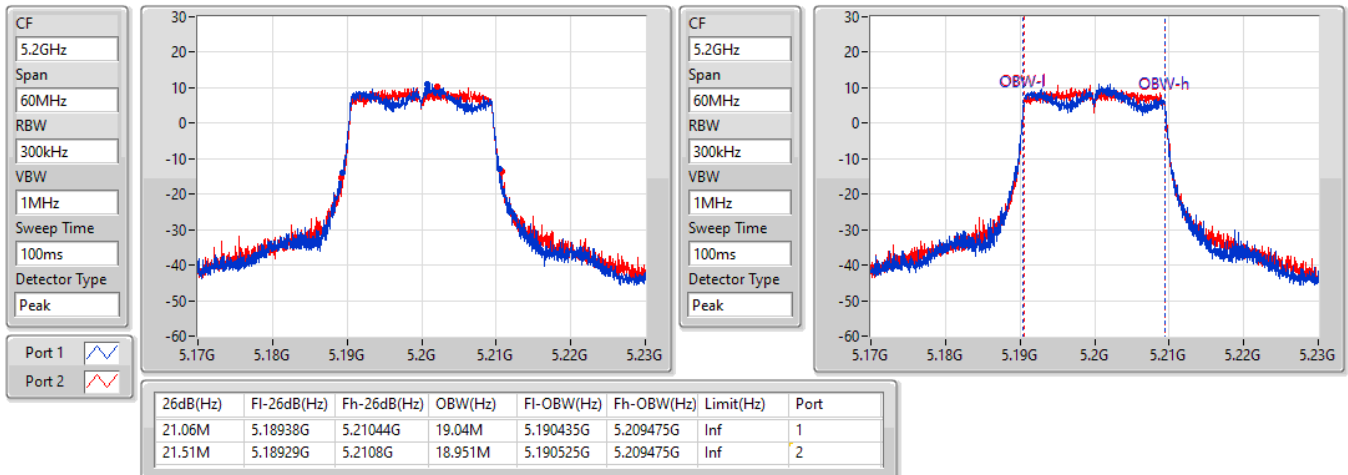


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

25/08/2021

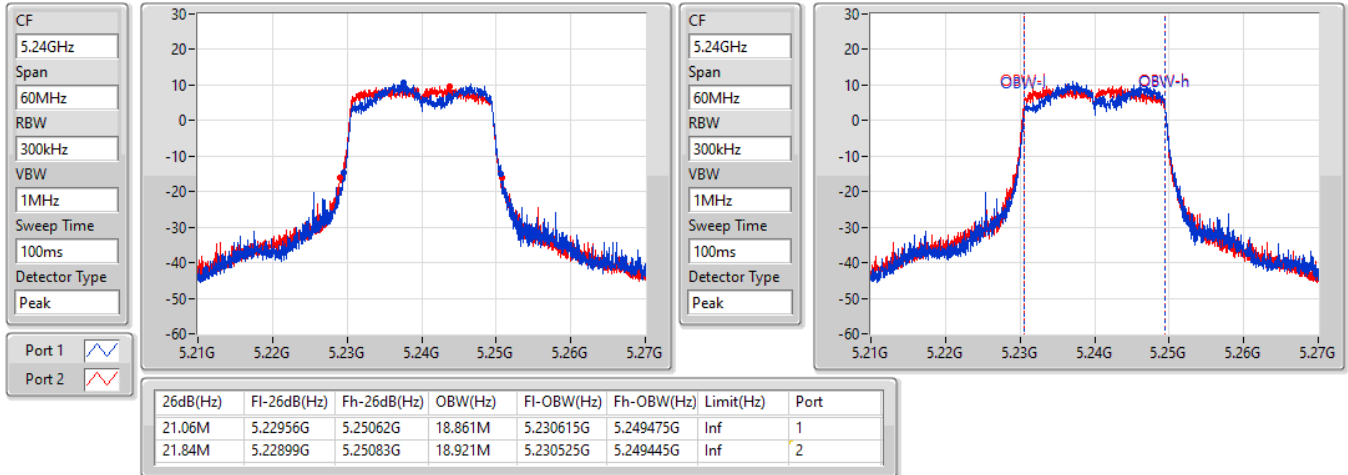


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

25/08/2021

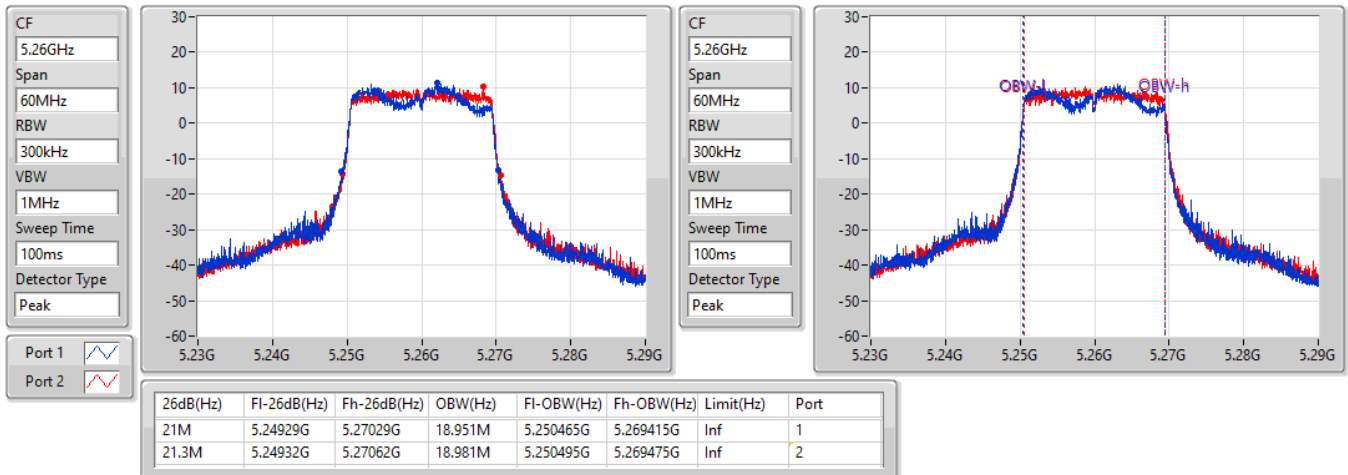


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

25/08/2021

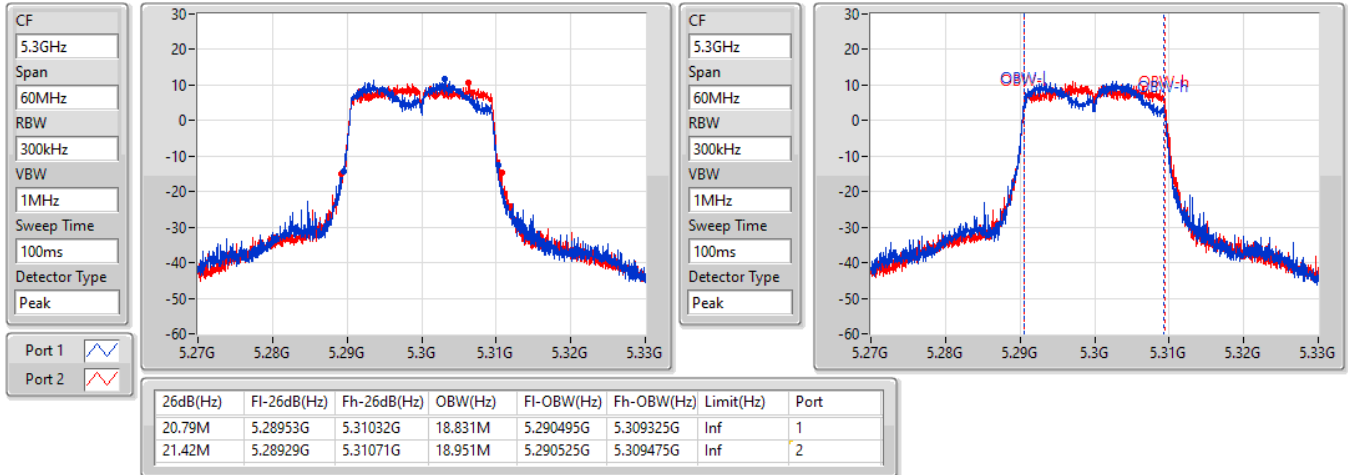


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

25/08/2021

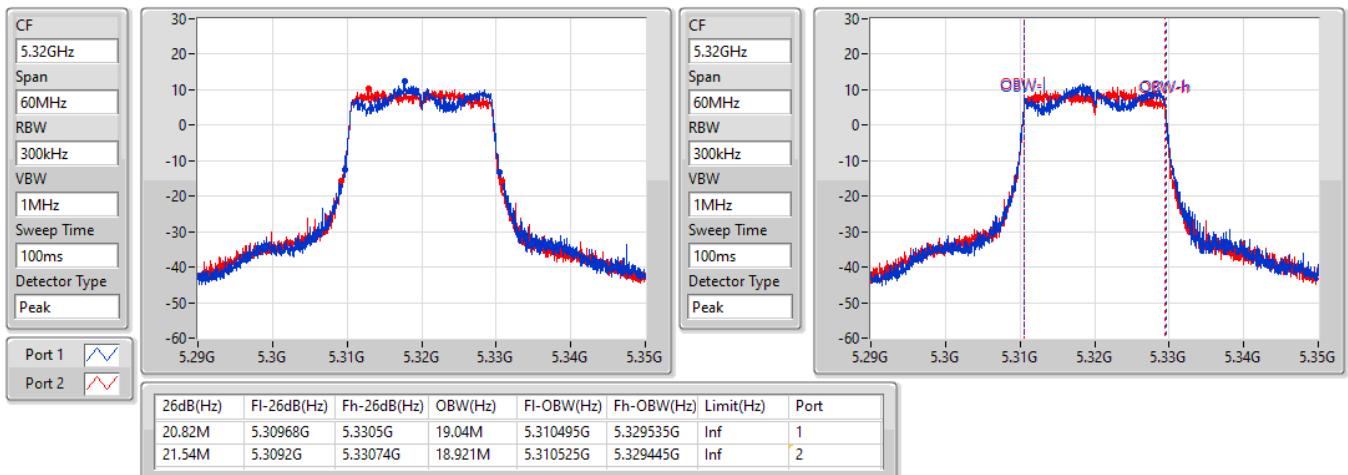


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

25/08/2021

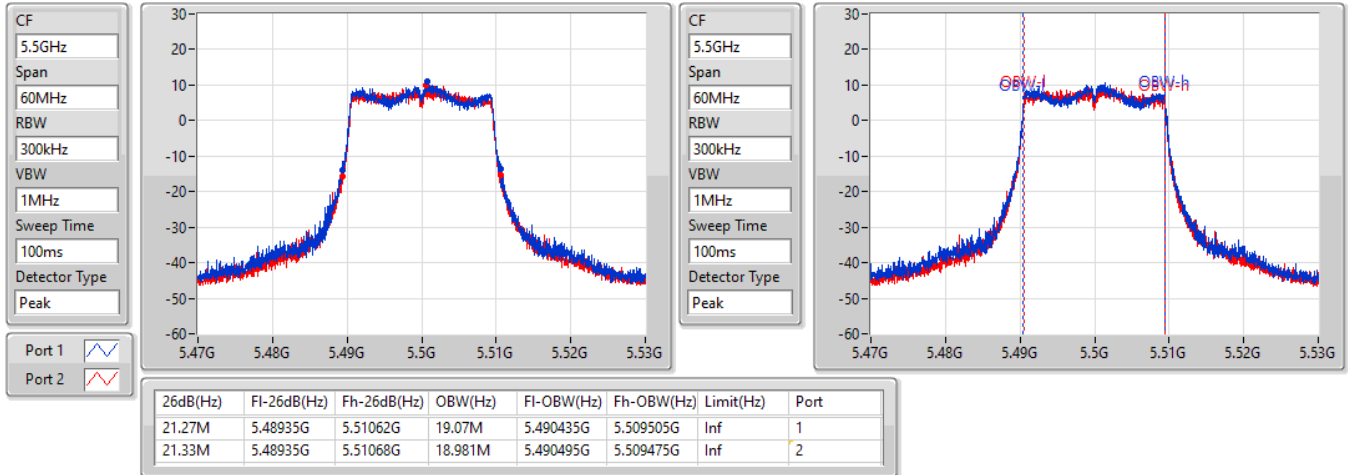


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

25/08/2021

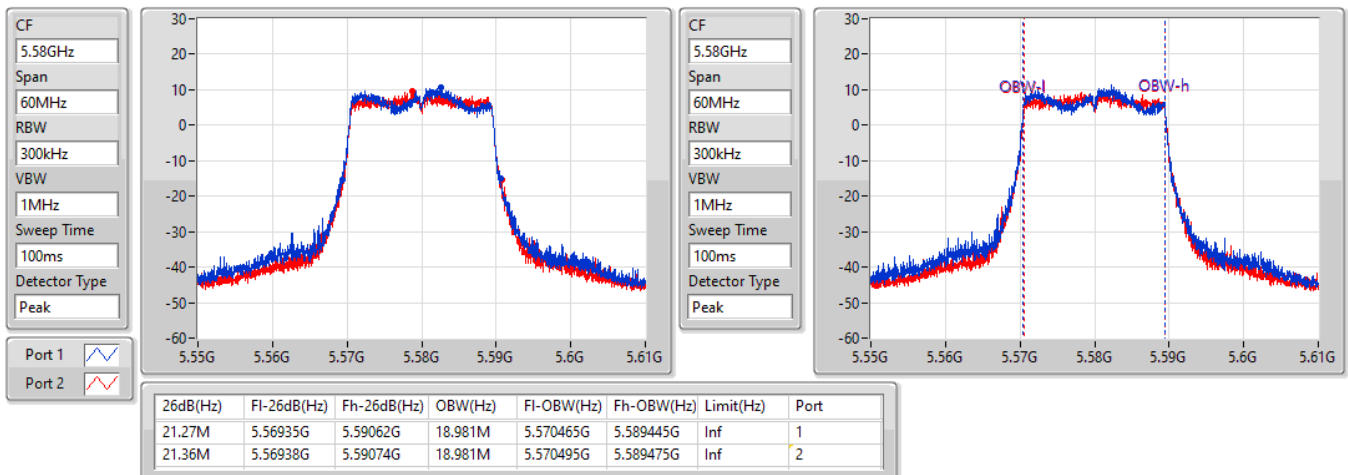


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

25/08/2021

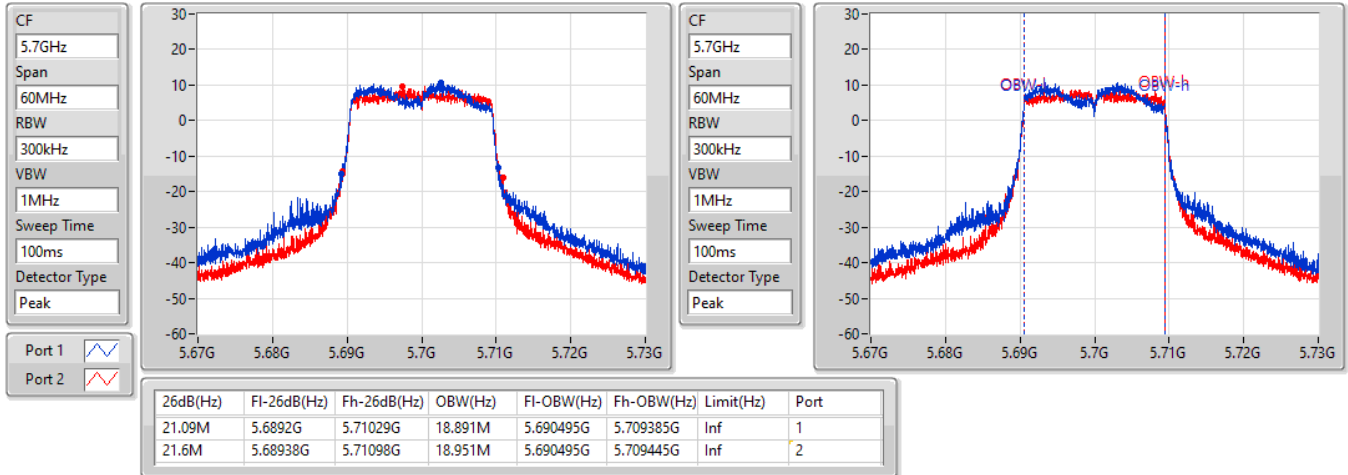


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

25/08/2021

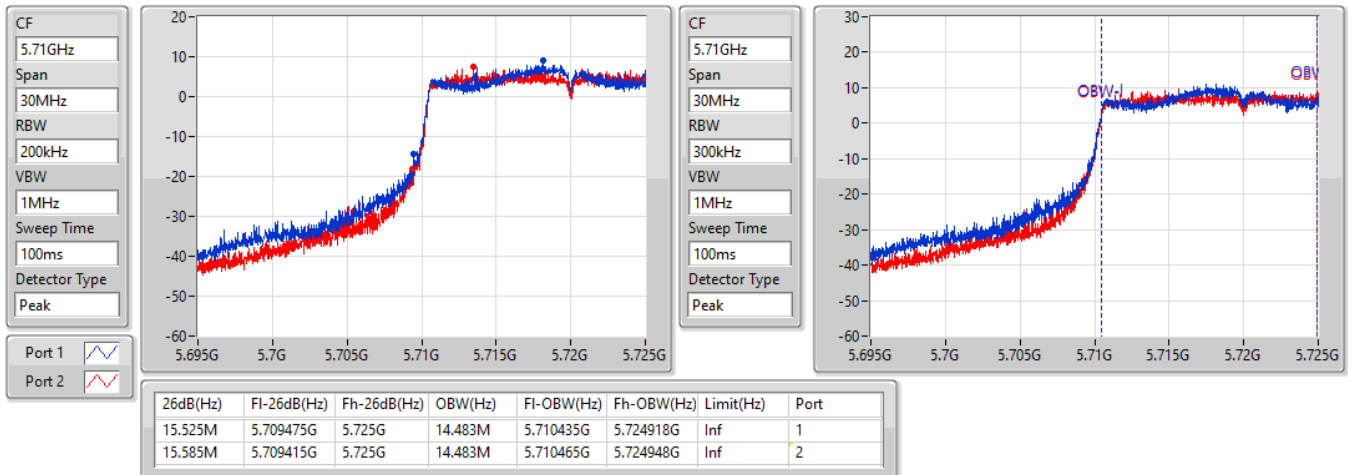


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

25/08/2021

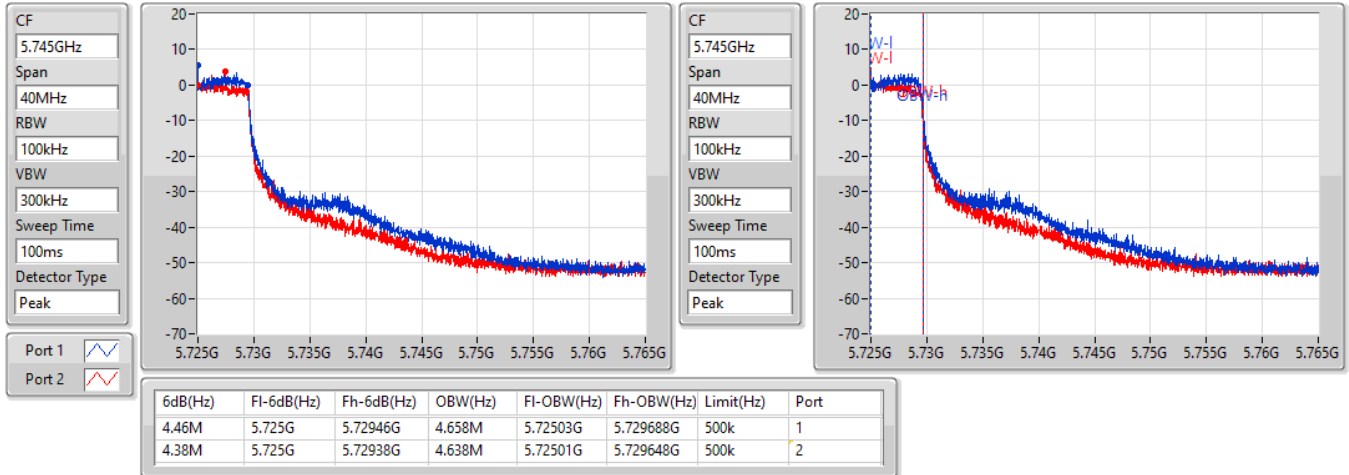


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

25/08/2021

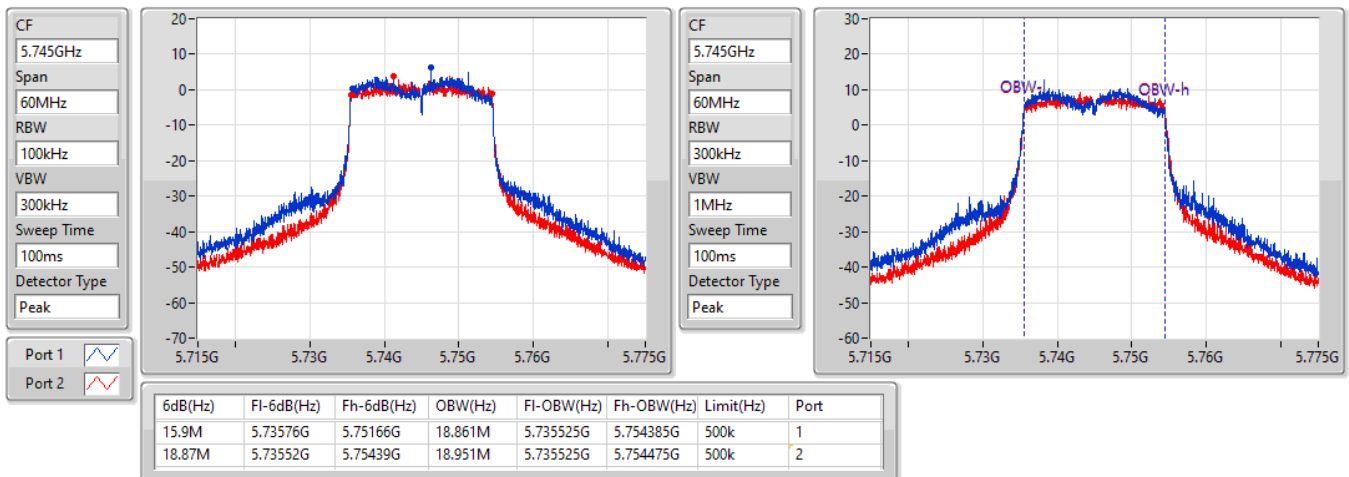


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

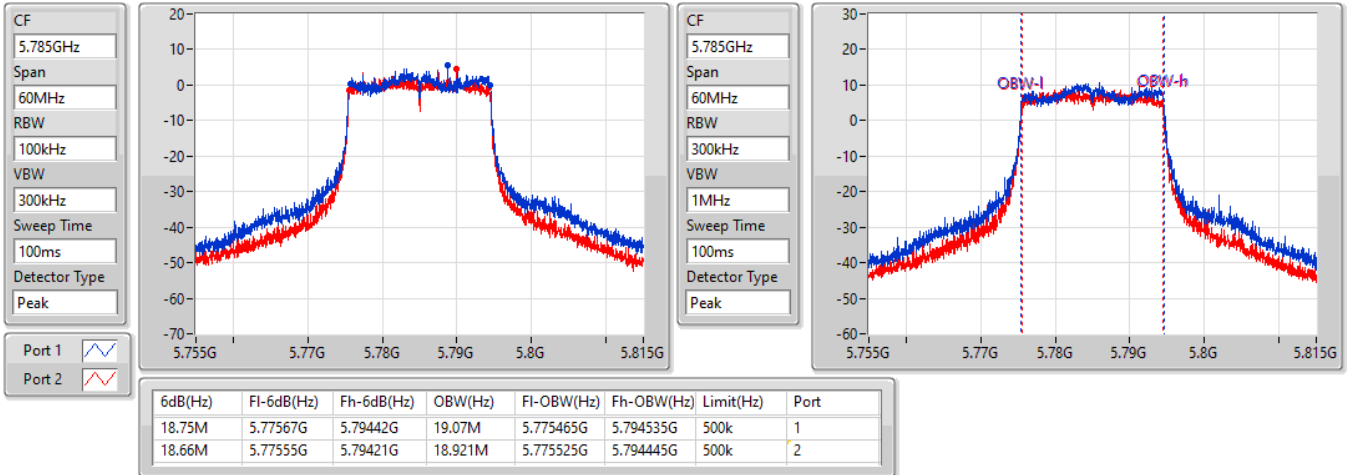
5745MHz

25/08/2021

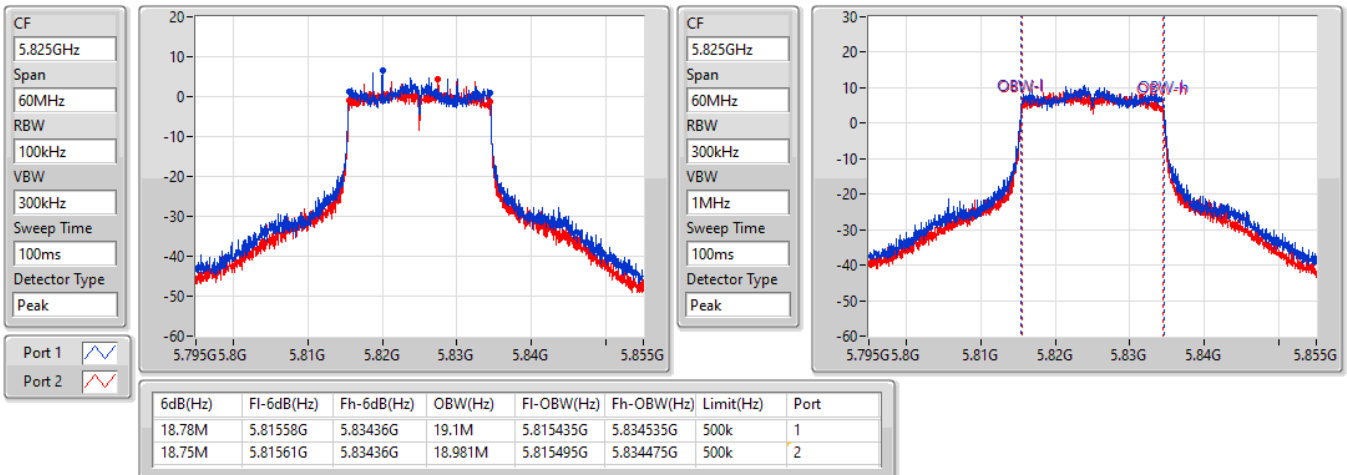


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5785MHz

25/08/2021


802.11ax HEW20_Nss1,(MCS0)_2TX
EBW
5825MHz

25/08/2021

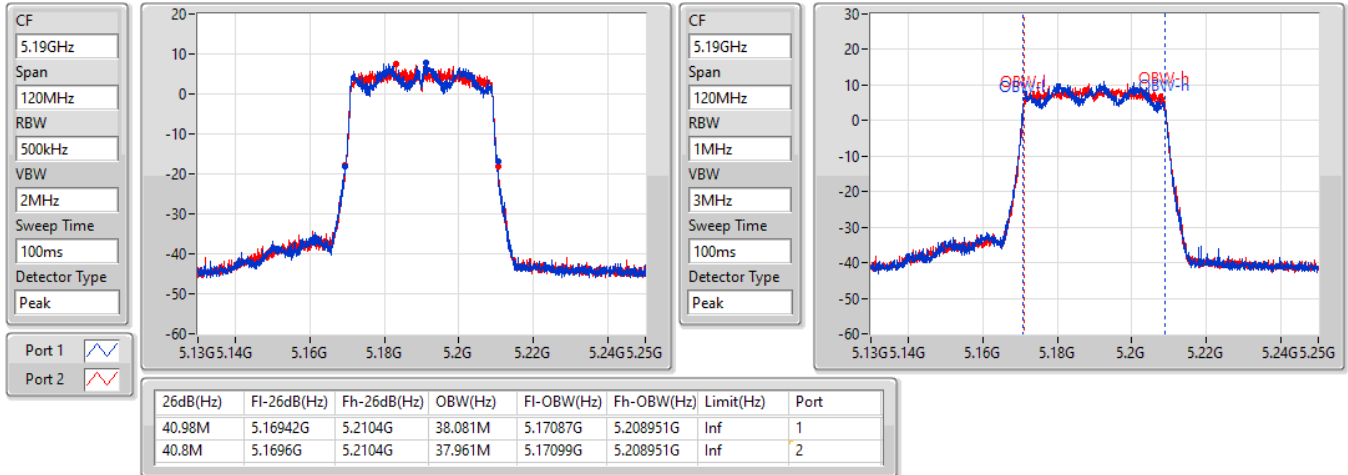


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

25/08/2021

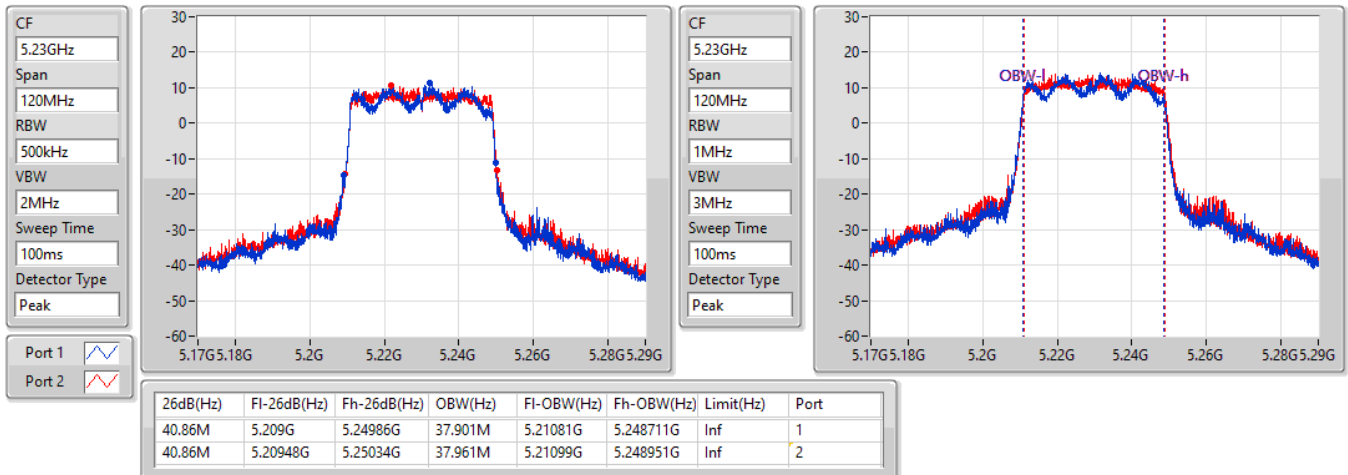


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

25/08/2021

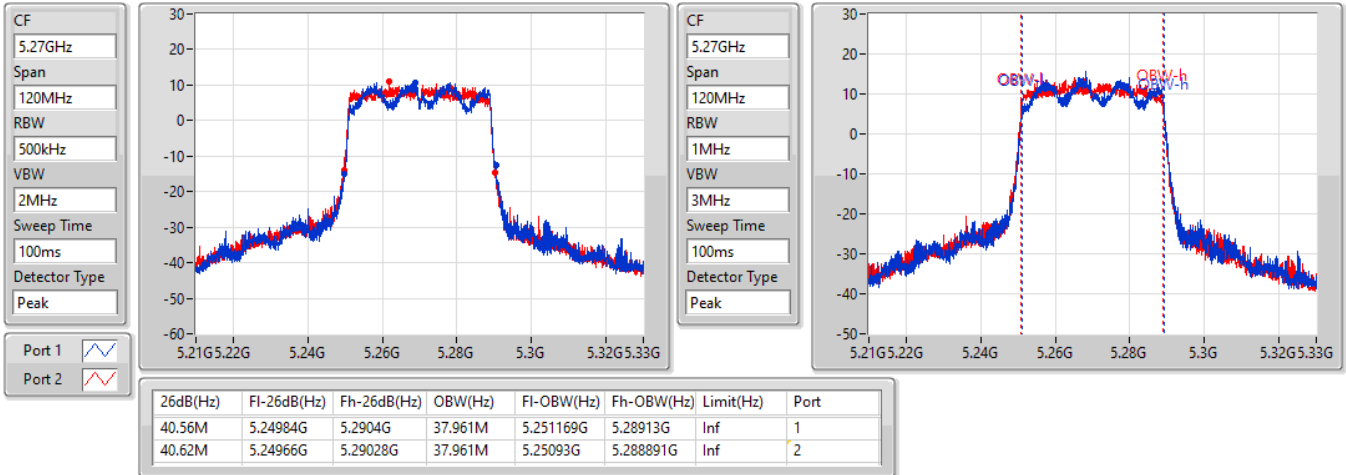


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

25/08/2021

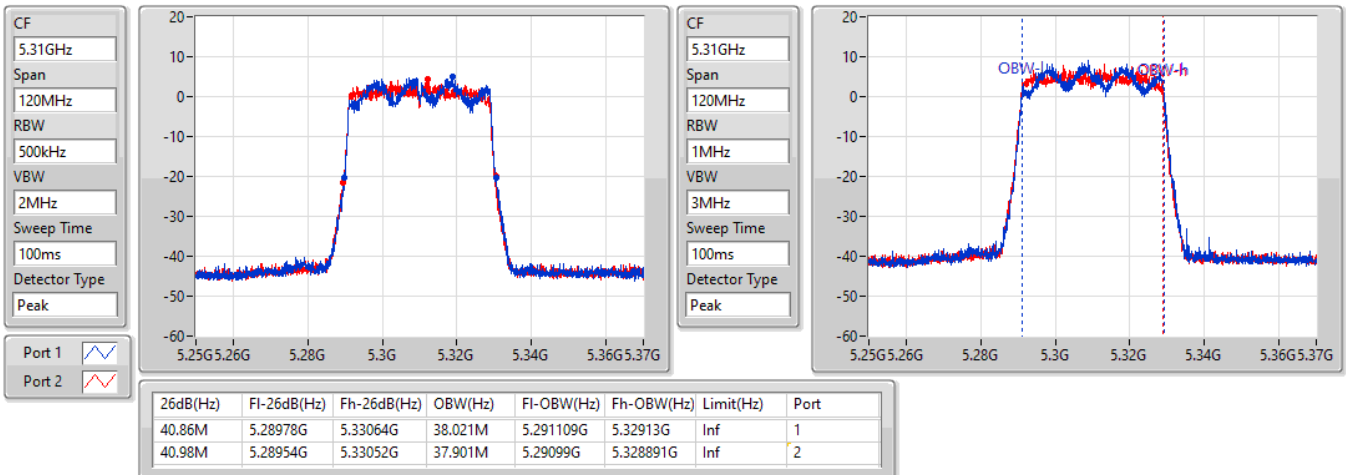


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

25/08/2021

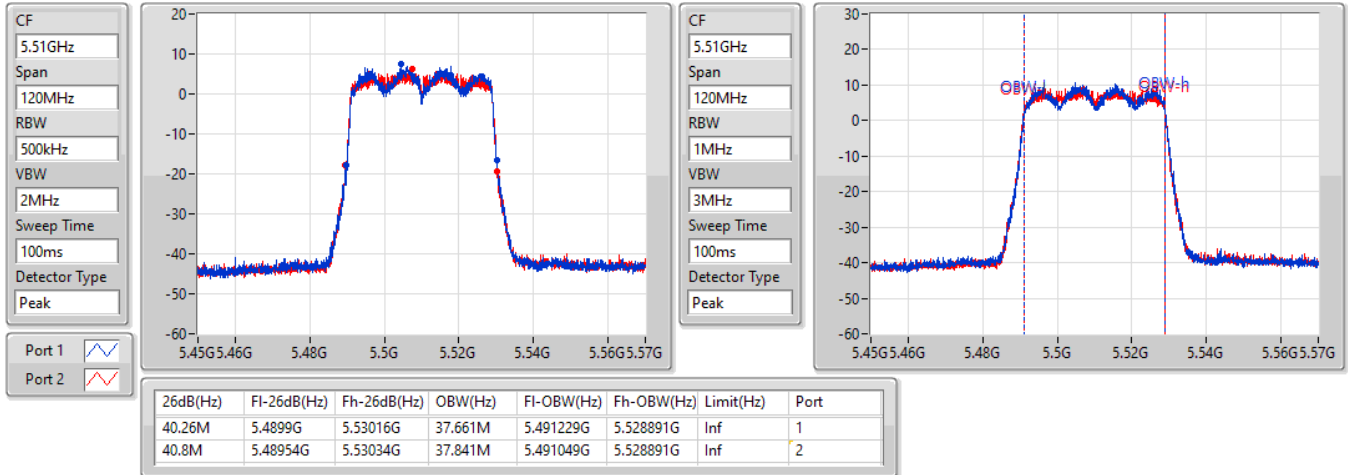


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

25/08/2021

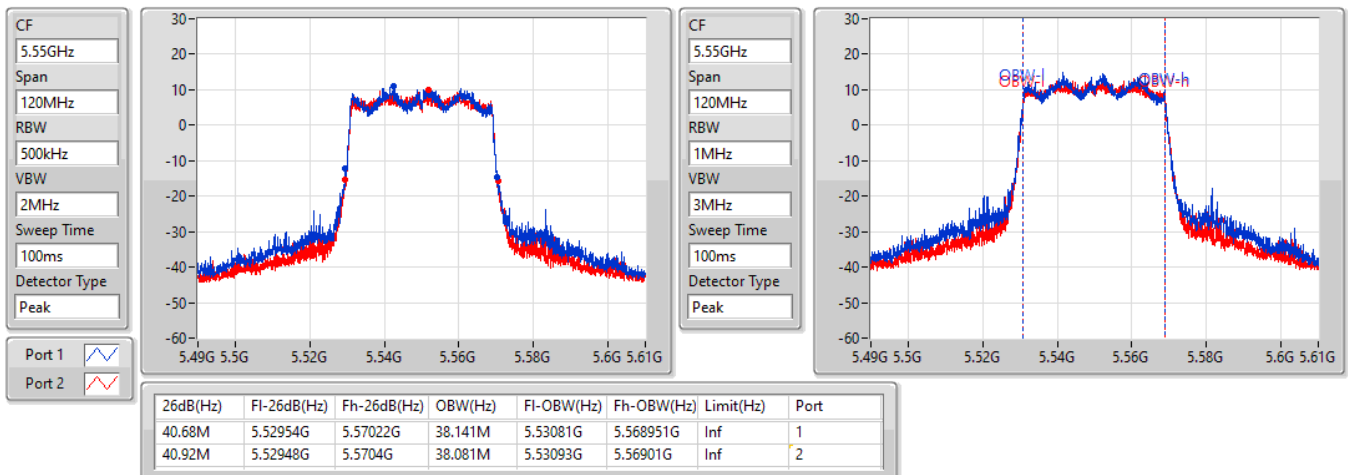


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

25/08/2021

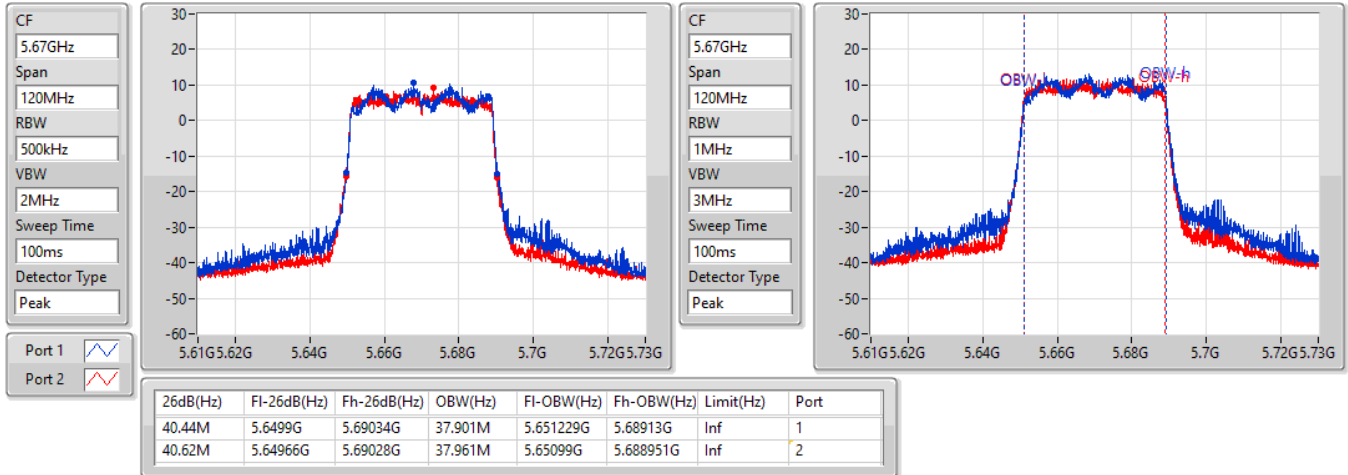


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

25/08/2021

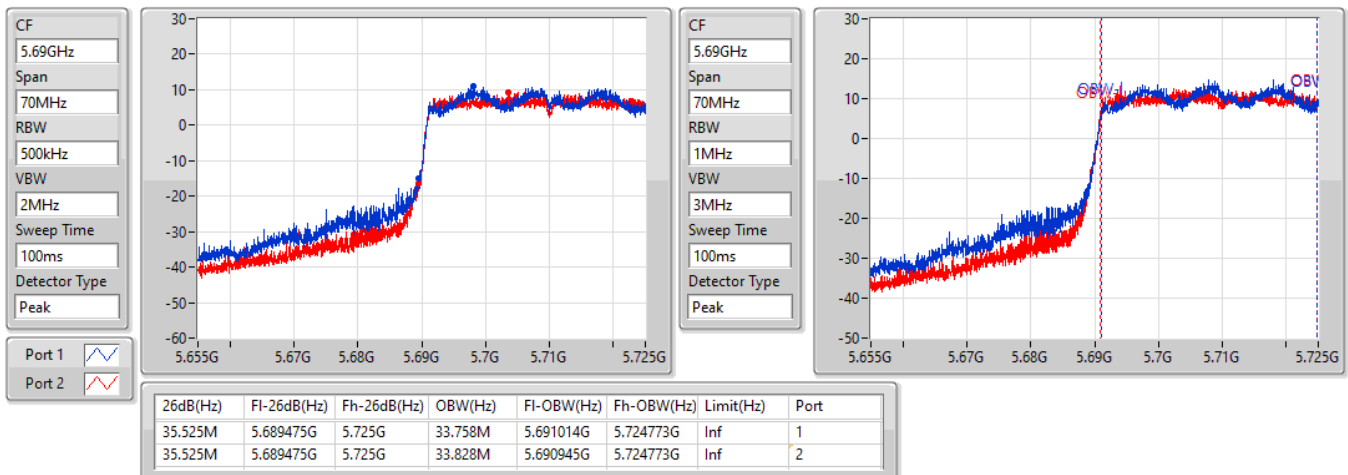


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

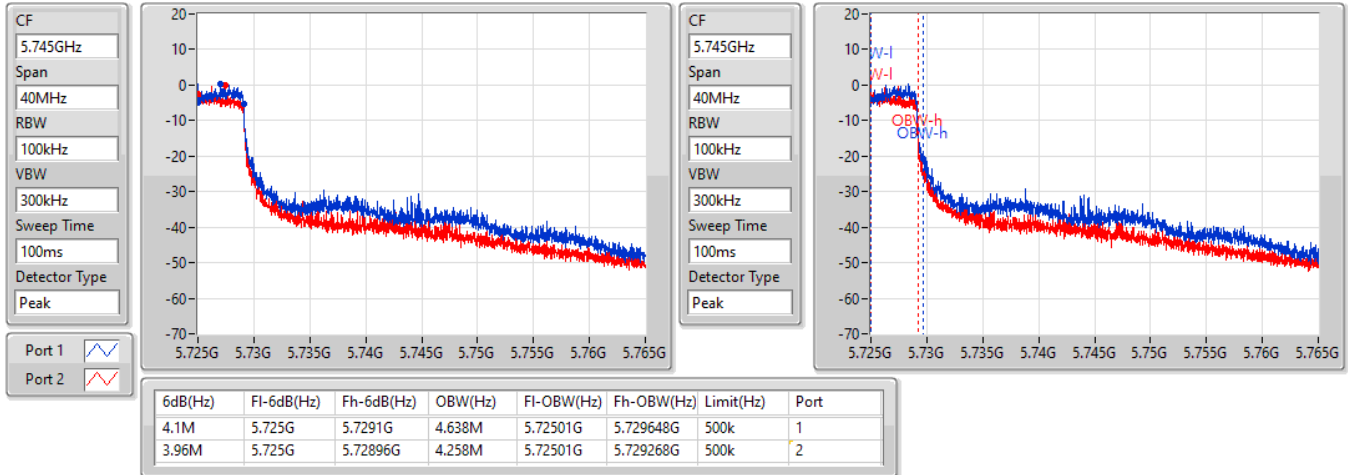
5710MHz Straddle 5.47-5.725GHz

25/08/2021

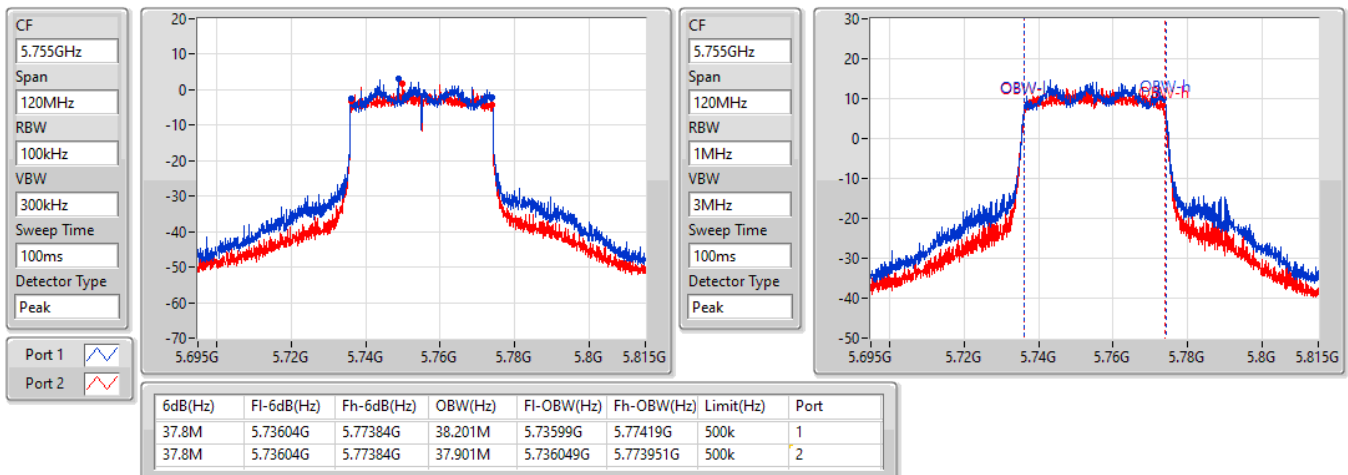


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5710MHz Straddle 5.725-5.85GHz

25/08/2021


802.11ax HEW40_Nss1,(MCS0)_2TX
EBW
5755MHz

25/08/2021

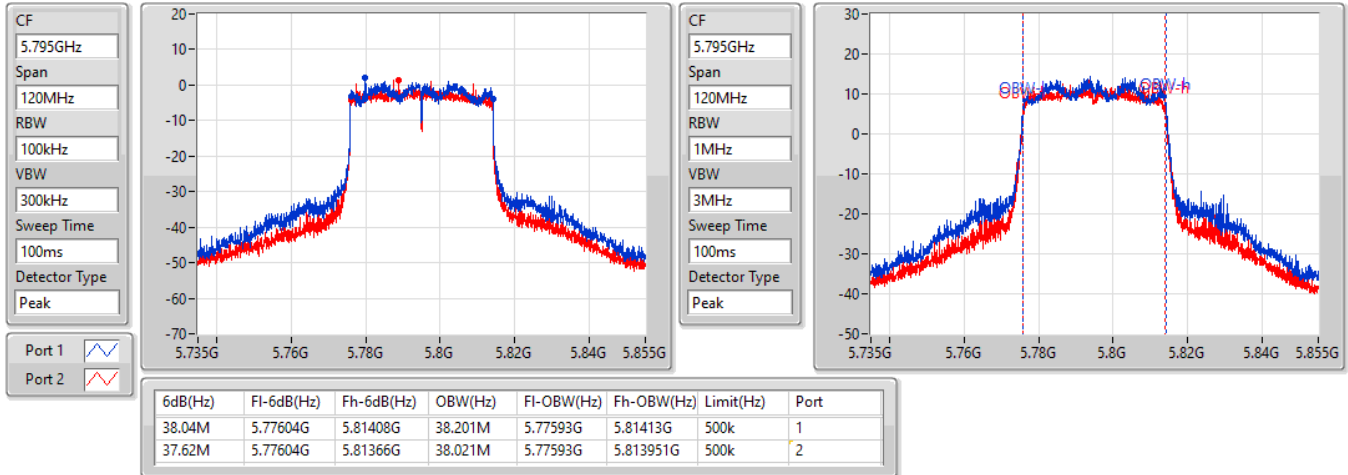


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

25/08/2021

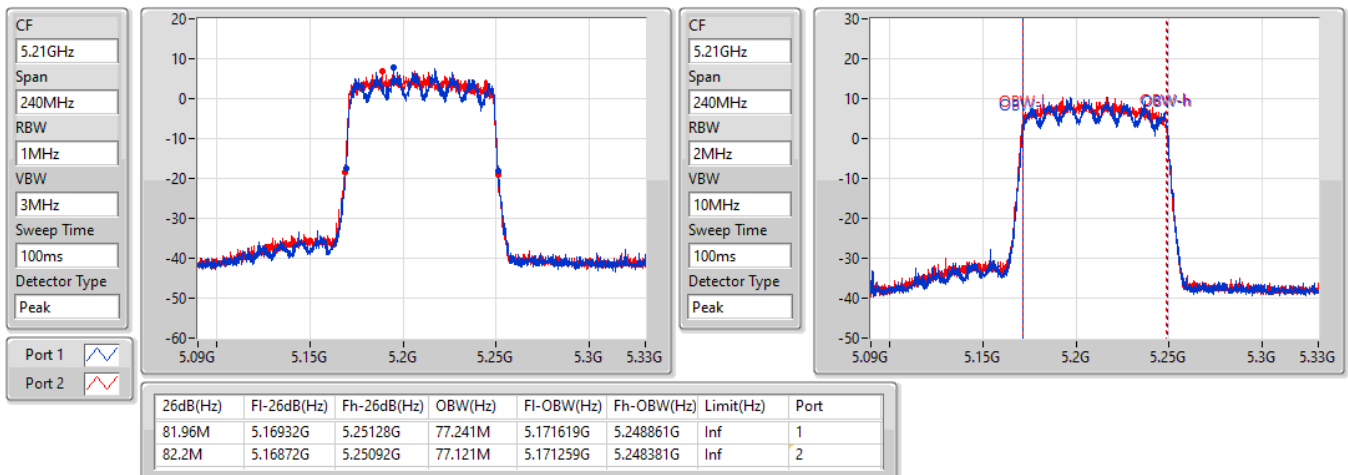


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

25/08/2021

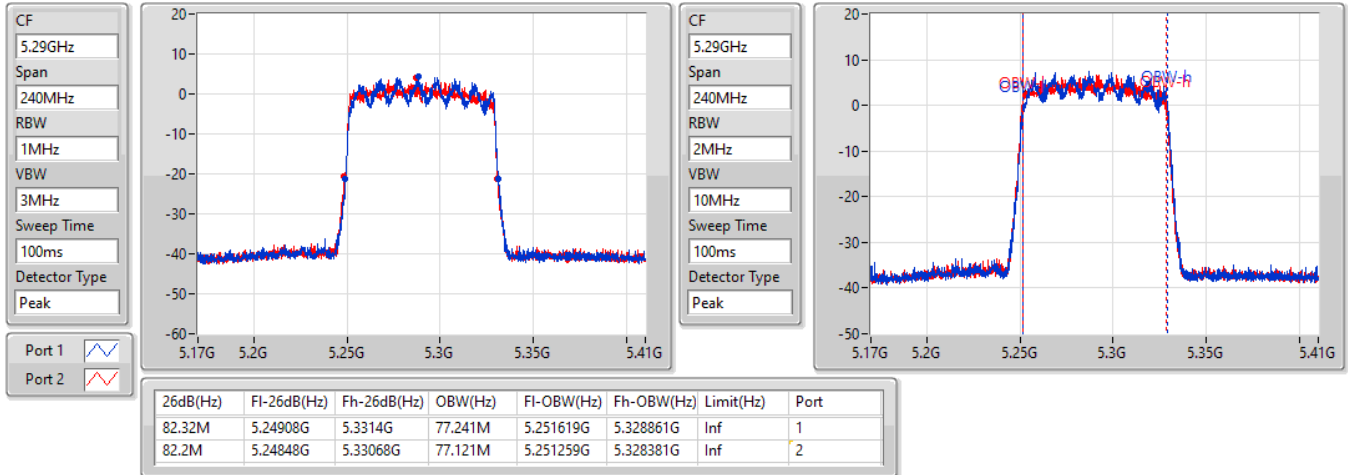


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

25/08/2021

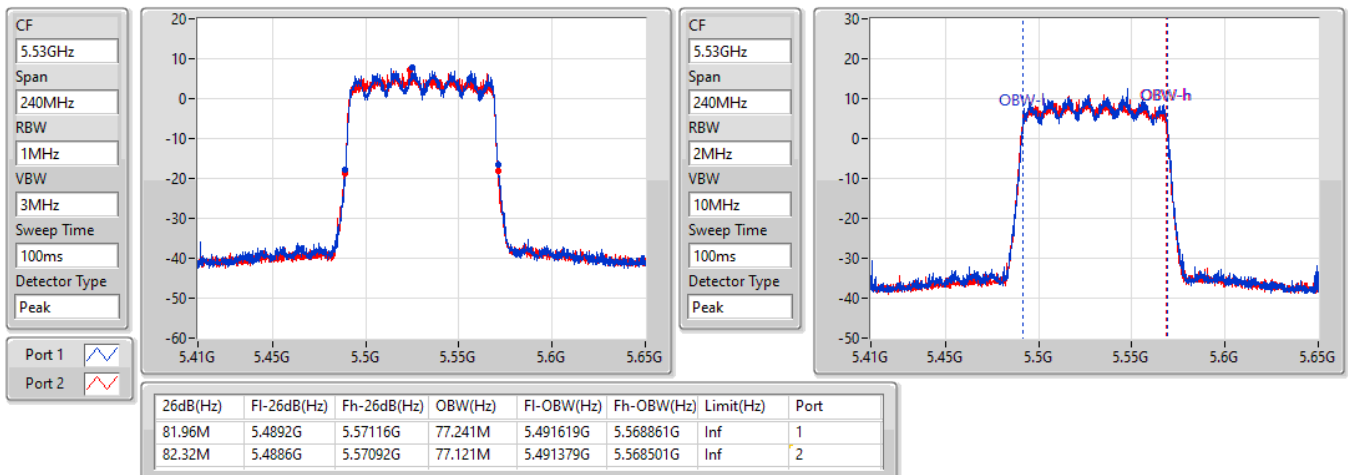


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

25/08/2021

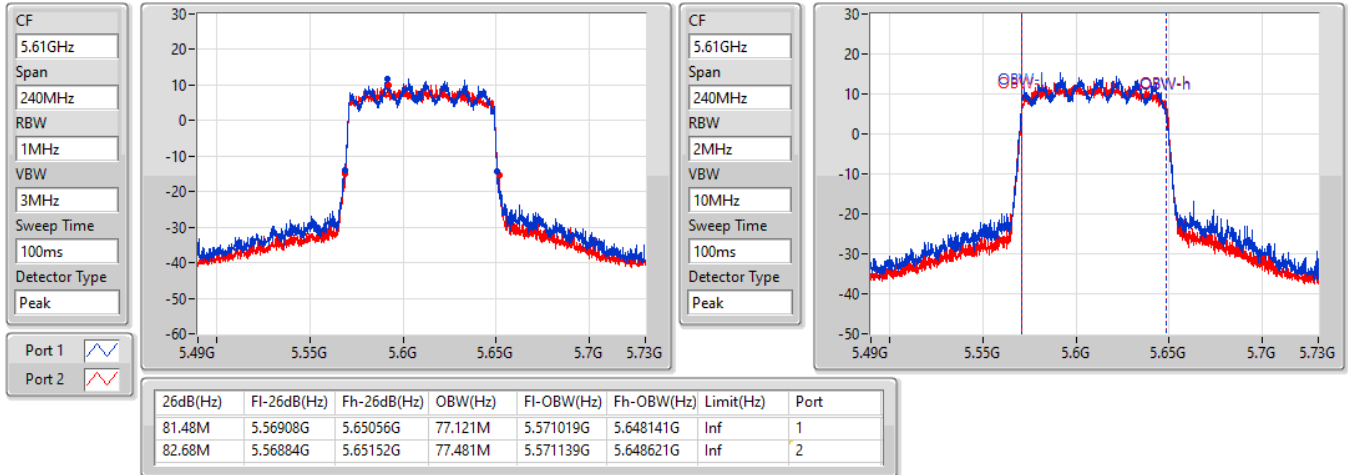


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

25/08/2021

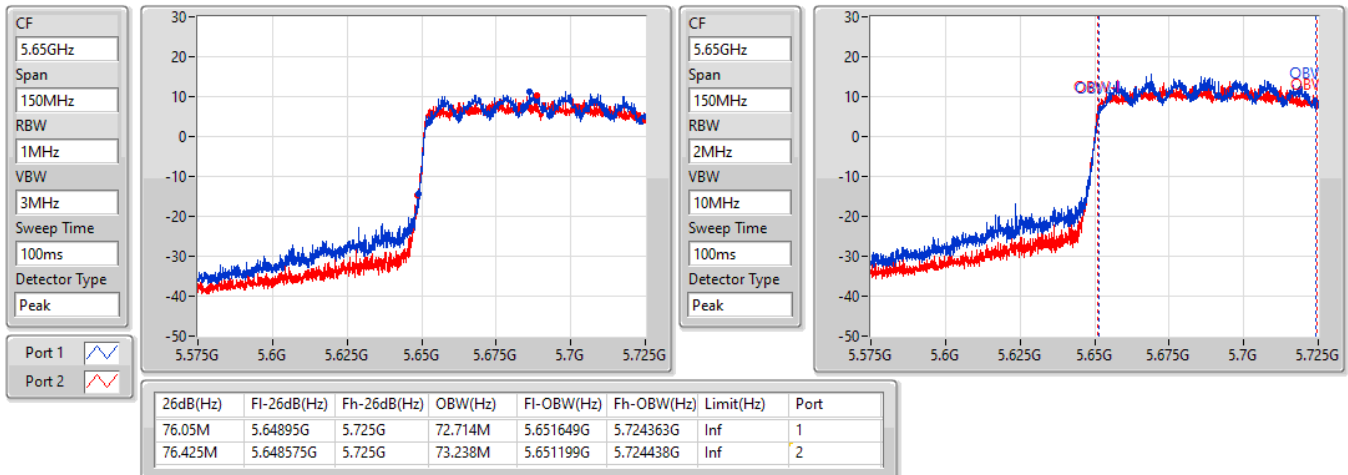


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

25/08/2021

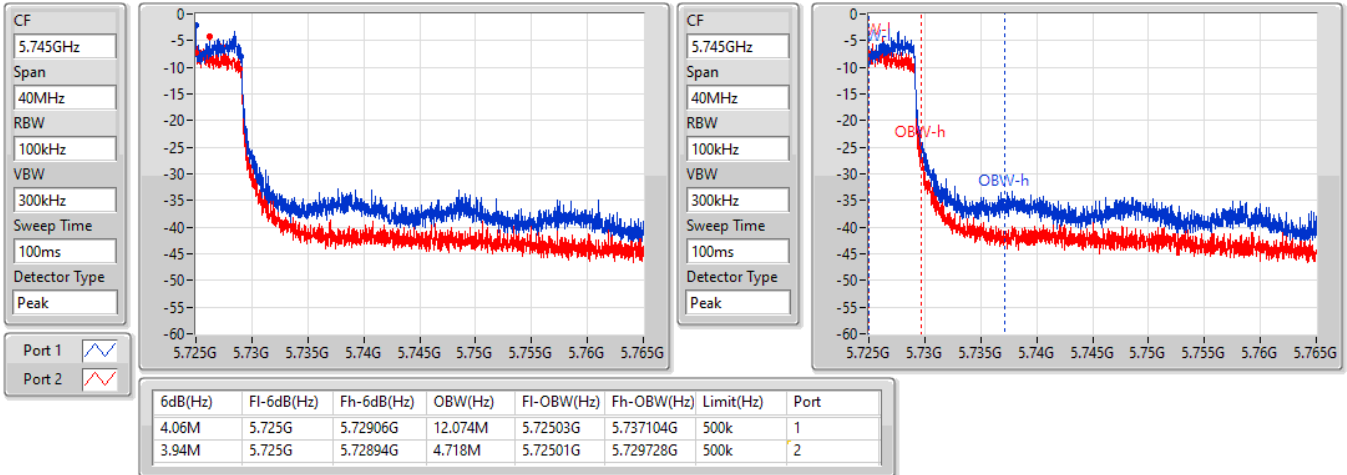


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

25/08/2021

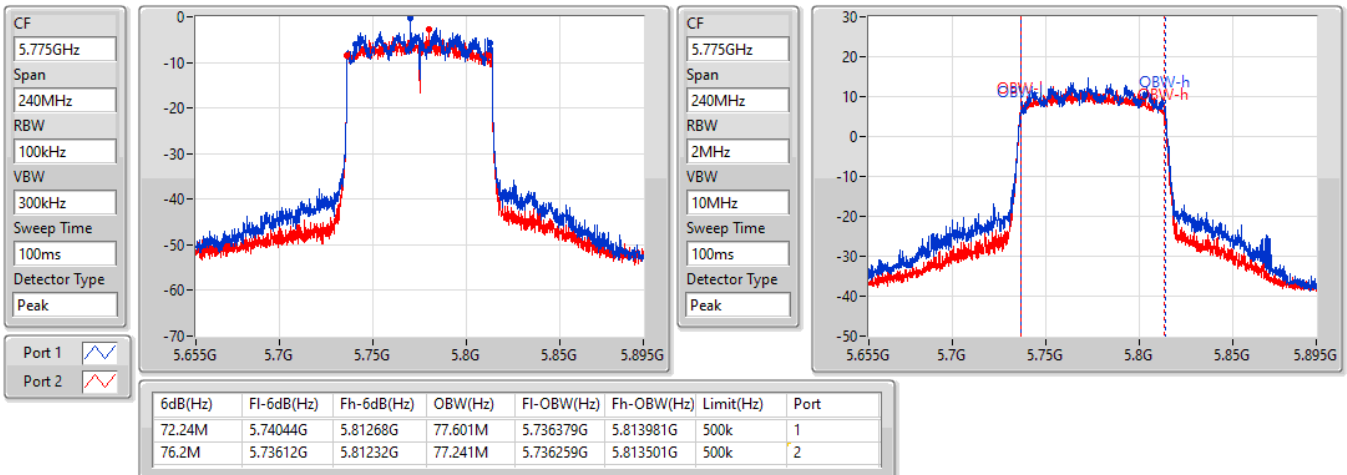


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

25/08/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_4TX	19.92M	16.762M	16M8D1D	18.51M	16.102M
11a40_Nss1,(6Mbps)_4TX	40.44M	36.942M	36M9D1D	39.18M	35.922M
11a80_Nss1,(6Mbps)_4TX	81.6M	76.642M	76M6D1D	80.64M	75.202M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	19.19M	19M2D1D	20.07M	18.411M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.1M	38.501M	38M5D1D	40.02M	37.421M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.08M	77.241M	77M2D1D	80.88M	76.042M
5.25-5.35GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_4TX	19.77M	16.762M	16M8D1D	18.42M	15.982M
11a40_Nss1,(6Mbps)_4TX	40.5M	37.001M	37M0D1D	39.06M	35.622M
11a80_Nss1,(6Mbps)_4TX	82.44M	76.762M	76M8D1D	81.48M	75.802M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.75M	19.22M	19M2D1D	20.58M	18.831M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.74M	38.381M	38M4D1D	39.9M	37.301M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.68M	78.201M	78M2D1D	81M	76.402M
5.47-5.725GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_4TX	19.5M	16.522M	16M5D1D	13.62M	12.504M
11a40_Nss1,(6Mbps)_4TX	40.56M	36.882M	36M9D1D	35.035M	33.058M
11a80_Nss1,(6Mbps)_4TX	81.84M	76.522M	76M5D1D	75.525M	71.964M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.24M	19.07M	19M1D1D	15.15M	14.258M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.1M	38.441M	38M4D1D	35.07M	33.618M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.2M	78.081M	78M1D1D	75.525M	72.564M
5.725-5.85GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_4TX	16.44M	16.882M	16M9D1D	2.74M	3.378M
11a40_Nss1,(6Mbps)_4TX	35.76M	37.301M	37M3D1D	3.14M	3.498M
11a80_Nss1,(6Mbps)_4TX	74.88M	76.282M	76M3D1D	3.14M	4.878M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.87M	19.13M	19M1D1D	3.8M	4.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.1M	38.441M	38M4D1D	3.52M	4.078M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.76M	77.841M	77M8D1D	3.56M	5.297M

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)
11a20_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.92M	16.702M	19.77M	16.762M	18.75M	16.372M	18.96M	16.312M
5200MHz	Pass	Inf	18.51M	16.102M	19.53M	16.582M	18.84M	16.462M	18.96M	16.372M
5240MHz	Pass	Inf	18.6M	16.132M	19.89M	16.672M	19.38M	16.582M	19.5M	16.492M
5260MHz	Pass	Inf	19.2M	16.522M	19.77M	16.762M	18.45M	16.102M	18.66M	16.162M
5300MHz	Pass	Inf	19.08M	16.492M	18.99M	16.162M	18.42M	15.982M	18.87M	16.282M
5320MHz	Pass	Inf	19.17M	16.492M	18.57M	16.162M	19.59M	16.552M	19.08M	16.372M
5500MHz	Pass	Inf	18.69M	16.162M	19.08M	16.432M	18.66M	16.222M	19.23M	16.432M
5580MHz	Pass	Inf	18.93M	16.222M	18.51M	15.862M	18.99M	16.432M	19.02M	16.342M
5700MHz	Pass	Inf	19.5M	16.522M	19.02M	16.342M	18.39M	15.952M	19.11M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.535M	13.283M	13.62M	12.504M	15.165M	13.418M	14.58M	13.223M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.418M	2.74M	3.378M	3.16M	3.558M	3.16M	3.498M
5745MHz	Pass	500k	15.24M	16.402M	16.05M	16.882M	16.44M	16.702M	15.09M	16.372M
5785MHz	Pass	500k	15.3M	16.372M	6.93M	16.312M	15.03M	16.162M	15.69M	16.432M
5825MHz	Pass	500k	16.29M	16.762M	14.46M	16.522M	15.06M	16.162M	15.69M	16.552M
11a40_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.38M	36.702M	40.44M	36.942M	39.42M	36.282M	39.84M	36.282M
5230MHz	Pass	Inf	39.78M	36.402M	39.18M	35.922M	40.08M	36.882M	39.66M	36.342M
5270MHz	Pass	Inf	39.42M	36.042M	40.5M	37.001M	39.9M	36.282M	39.48M	35.862M
5310MHz	Pass	Inf	40.02M	36.402M	40.38M	37.001M	40.02M	36.282M	39.06M	35.622M
5510MHz	Pass	Inf	40.56M	36.762M	39.6M	36.342M	39.18M	35.922M	39.96M	36.462M
5550MHz	Pass	Inf	40.5M	36.642M	39.72M	36.582M	39.36M	36.042M	39.78M	36.402M
5670MHz	Pass	Inf	40.2M	36.342M	40.38M	36.882M	40.02M	36.642M	39.84M	36.522M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.21M	33.093M	35.49M	33.128M	35.105M	33.233M	35.035M	33.058M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.598M	3.18M	4.018M	3.14M	3.518M	3.14M	3.498M
5755MHz	Pass	500k	35.52M	37.241M	31.92M	37.301M	35.28M	37.121M	35.04M	37.001M
5795MHz	Pass	500k	35.46M	37.121M	33.18M	36.942M	35.76M	37.121M	34.92M	36.942M
11a80_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	81.24M	75.682M	81.6M	76.642M	80.64M	75.202M	81.24M	75.322M
5290MHz	Pass	Inf	81.48M	75.802M	81.72M	76.522M	82.44M	76.762M	81.72M	76.282M
5530MHz	Pass	Inf	81.72M	76.282M	81.24M	76.042M	81M	75.322M	81.12M	75.802M
5610MHz	Pass	Inf	81.12M	75.682M	81.84M	76.522M	80.88M	75.922M	81.12M	75.682M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.6M	72.339M	76.05M	71.964M	75.525M	72.564M	75.6M	72.339M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	5.397M	3.14M	10.755M	3.14M	4.998M	3.14M	4.878M
5775MHz	Pass	500k	73.8M	76.162M	63.6M	75.562M	71.64M	76.282M	74.88M	75.922M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.57M	19.16M	21.69M	19.19M	20.64M	18.921M	21.66M	19.07M
5200MHz	Pass	Inf	20.55M	18.561M	21.15M	18.981M	21.09M	19.01M	21.18M	19.07M
5240MHz	Pass	Inf	20.67M	18.831M	20.07M	18.411M	21.18M	18.951M	20.67M	18.921M
5260MHz	Pass	Inf	20.85M	18.831M	21.6M	19.04M	21.6M	19.1M	21.27M	19.01M
5300MHz	Pass	Inf	21.03M	19.01M	21.39M	19.16M	20.85M	18.891M	20.58M	18.831M
5320MHz	Pass	Inf	21.33M	19.07M	21.36M	19.1M	21.75M	19.22M	20.91M	18.921M
5500MHz	Pass	Inf	20.61M	18.711M	20.49M	18.771M	21.24M	19.07M	21.12M	19.04M
5580MHz	Pass	Inf	21.09M	19.01M	20.07M	18.561M	20.91M	18.981M	21.03M	18.891M
5700MHz	Pass	Inf	21.12M	18.951M	20.64M	18.711M	20.61M	18.831M	20.94M	18.741M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.54M	14.468M	15.645M	14.363M	15.15M	14.258M	15.57M	14.543M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	4.598M	4.58M	4.678M	3.8M	4.518M	4.58M	4.678M
5745MHz	Pass	500k	18.54M	19.04M	13.47M	18.831M	16.17M	18.861M	17.13M	18.771M
5785MHz	Pass	500k	15.24M	18.801M	16.23M	18.921M	15.21M	18.741M	18.12M	18.861M
5825MHz	Pass	500k	18.87M	19.1M	12.18M	18.981M	16.56M	18.711M	18.78M	19.13M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.56M	38.321M	40.74M	38.501M	40.02M	37.721M	40.38M	38.081M
5230MHz	Pass	Inf	40.26M	37.601M	40.14M	37.421M	41.1M	38.261M	40.5M	37.961M
5270MHz	Pass	Inf	40.32M	37.781M	40.74M	38.381M	39.9M	37.301M	39.9M	37.661M
5310MHz	Pass	Inf	40.44M	38.081M	40.62M	38.381M	40.68M	37.961M	40.02M	37.601M



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)
5510MHz	Pass	Inf	40.44M	37.721M	40.74M	37.961M	40.32M	37.541M	40.5M	37.901M
5550MHz	Pass	Inf	41.1M	38.141M	40.98M	38.201M	40.32M	37.601M	40.2M	37.421M
5670MHz	Pass	Inf	40.92M	37.961M	40.98M	38.441M	40.5M	37.901M	40.32M	37.781M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.42M	33.758M	35.49M	34.143M	35.07M	33.618M	35.49M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4M	4.198M	4.02M	4.178M	4.16M	4.258M	3.52M	4.078M
5755MHz	Pass	500k	37.98M	38.321M	38.1M	38.441M	35.04M	38.081M	37.5M	37.721M
5795MHz	Pass	500k	37.86M	38.261M	37.62M	38.321M	32.58M	38.081M	35.64M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	77.001M	80.88M	76.042M	81.6M	77.241M	81.72M	77.001M
5290MHz	Pass	Inf	81.96M	76.882M	82.68M	78.201M	82.32M	77.721M	81M	76.402M
5530MHz	Pass	Inf	81.72M	77.241M	82.2M	77.721M	81.36M	76.762M	81.96M	77.121M
5610MHz	Pass	Inf	82.2M	77.121M	82.2M	78.081M	81.48M	76.762M	81.48M	77.121M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	72.714M	76.425M	73.688M	75.525M	72.564M	75.6M	72.864M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4M	14.873M	4.02M	6.597M	4.1M	20.61M	3.56M	5.297M
5775MHz	Pass	500k	77.64M	77.481M	77.76M	77.841M	66.24M	77.001M	73.92M	76.762M

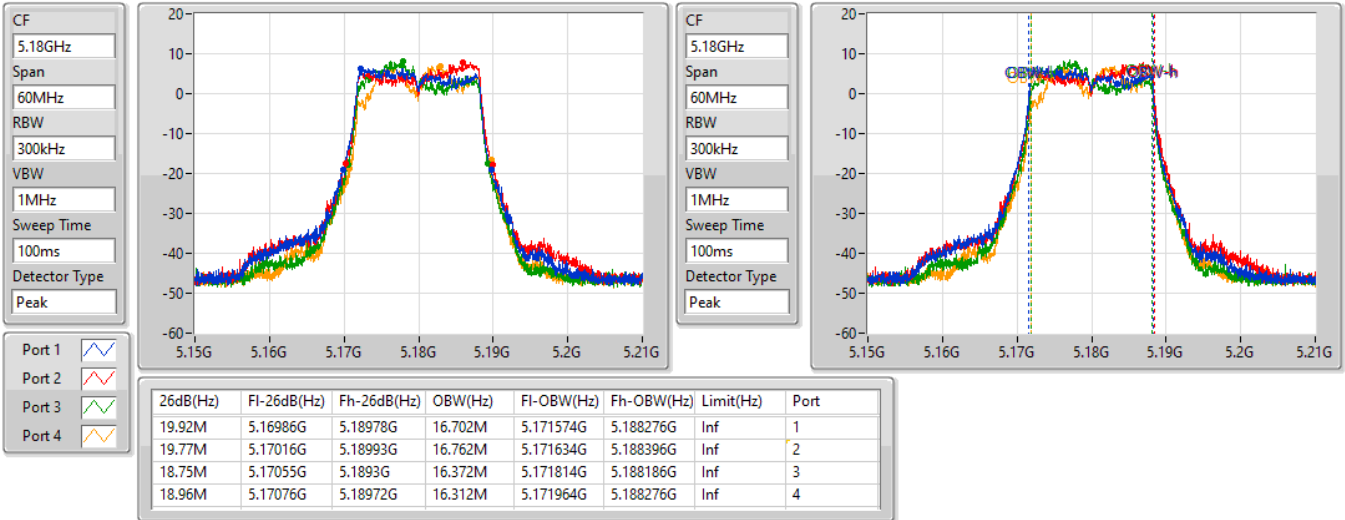
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

11a20_Nss1,(6Mbps)_4TX

EBW

5180MHz

24/08/2021

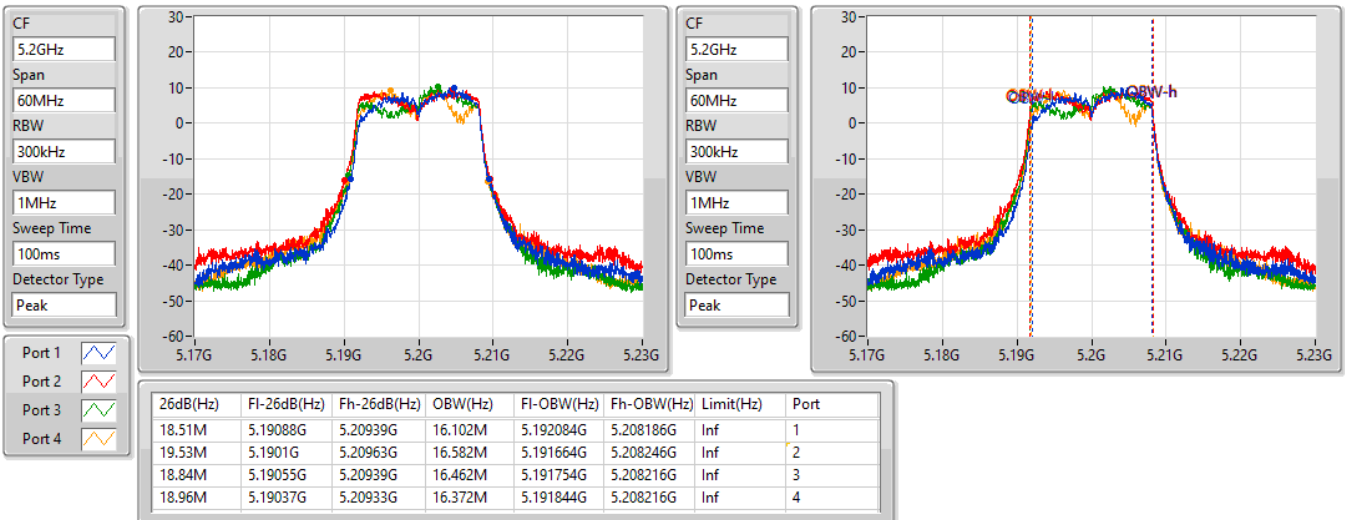


11a20_Nss1,(6Mbps)_4TX

EBW

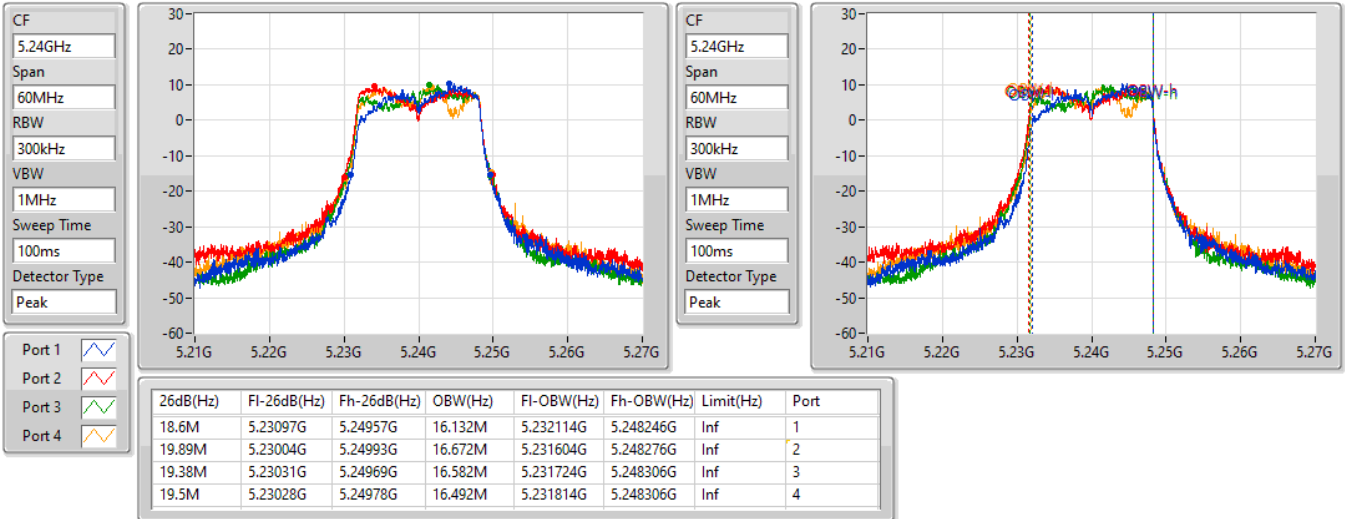
5200MHz

24/08/2021

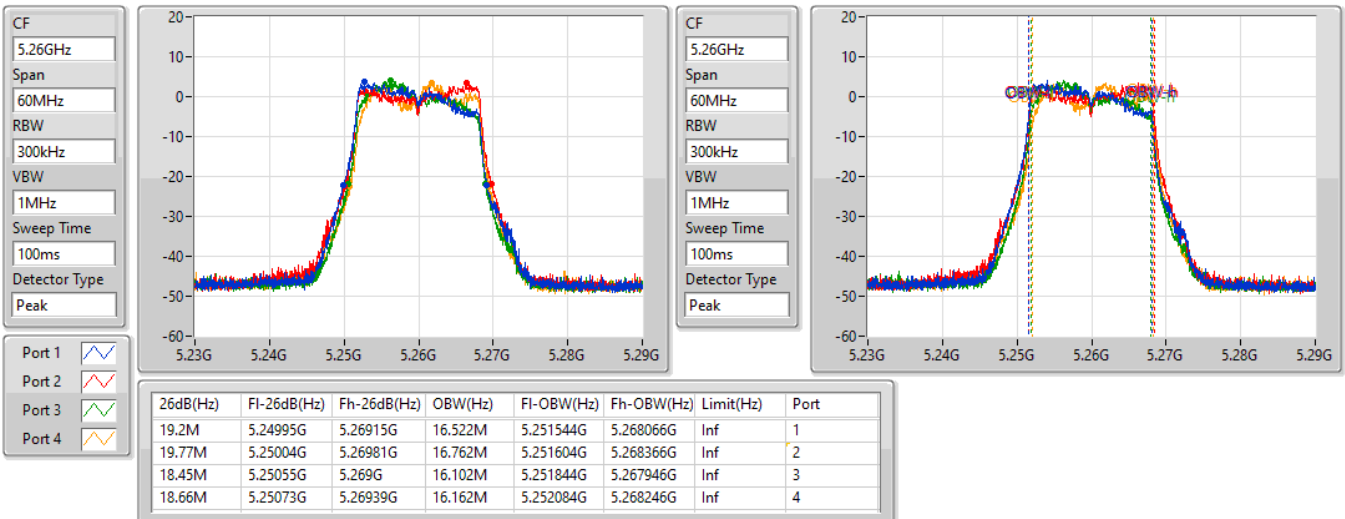


11a20_Nss1,(6Mbps)_4TX
EBW
5240MHz

24/08/2021

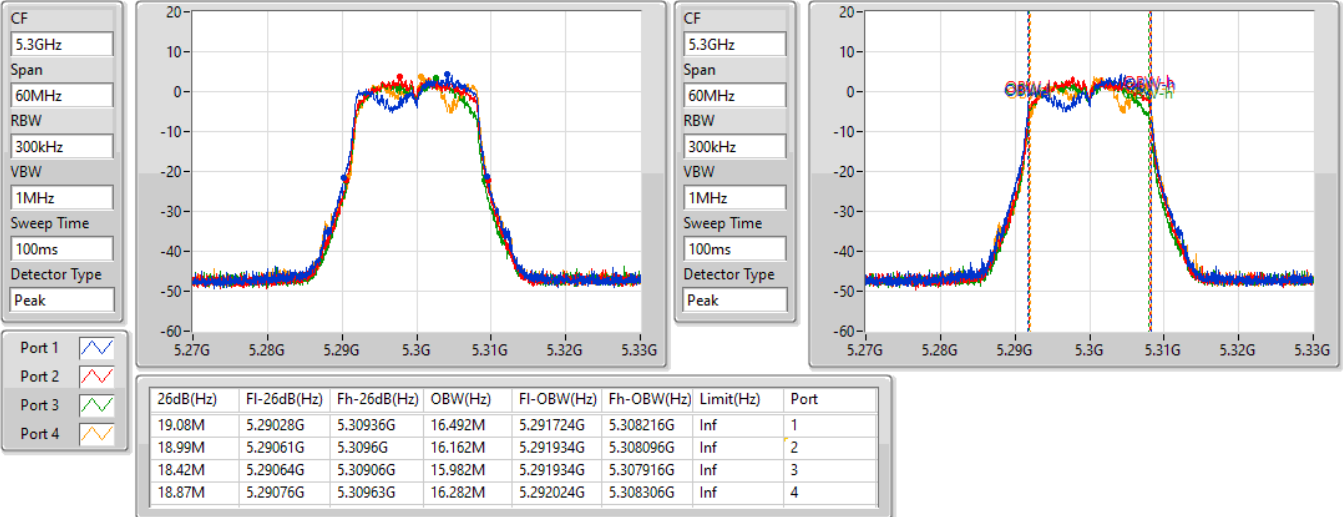

11a20_Nss1,(6Mbps)_4TX
EBW
5260MHz

24/08/2021

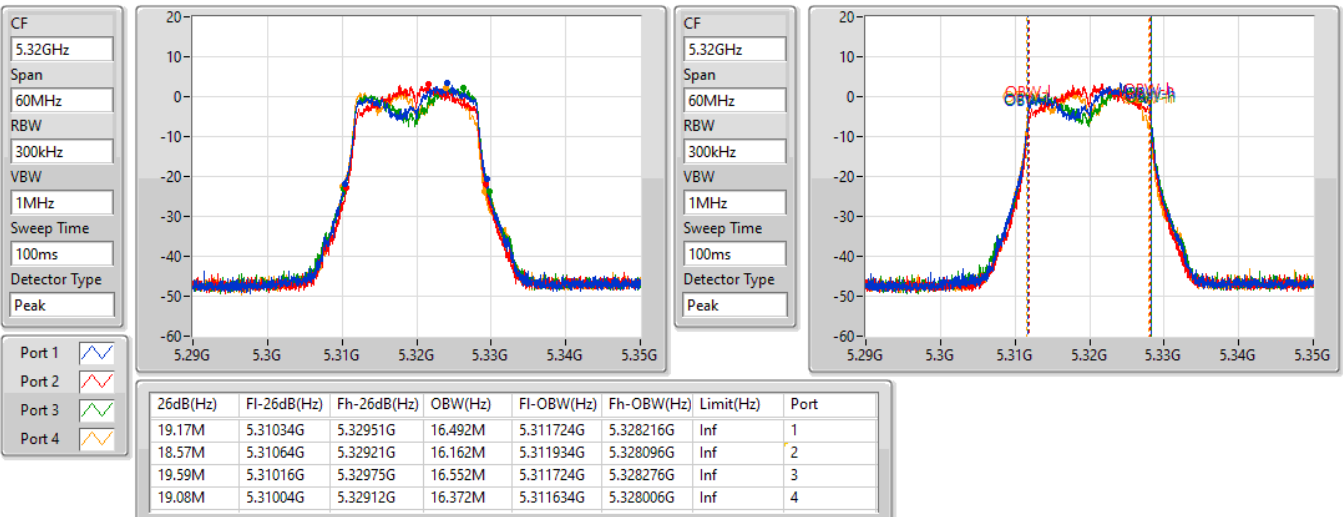


11a20_Nss1,(6Mbps)_4TX
EBW
5300MHz

24/08/2021


11a20_Nss1,(6Mbps)_4TX
EBW
5320MHz

24/08/2021

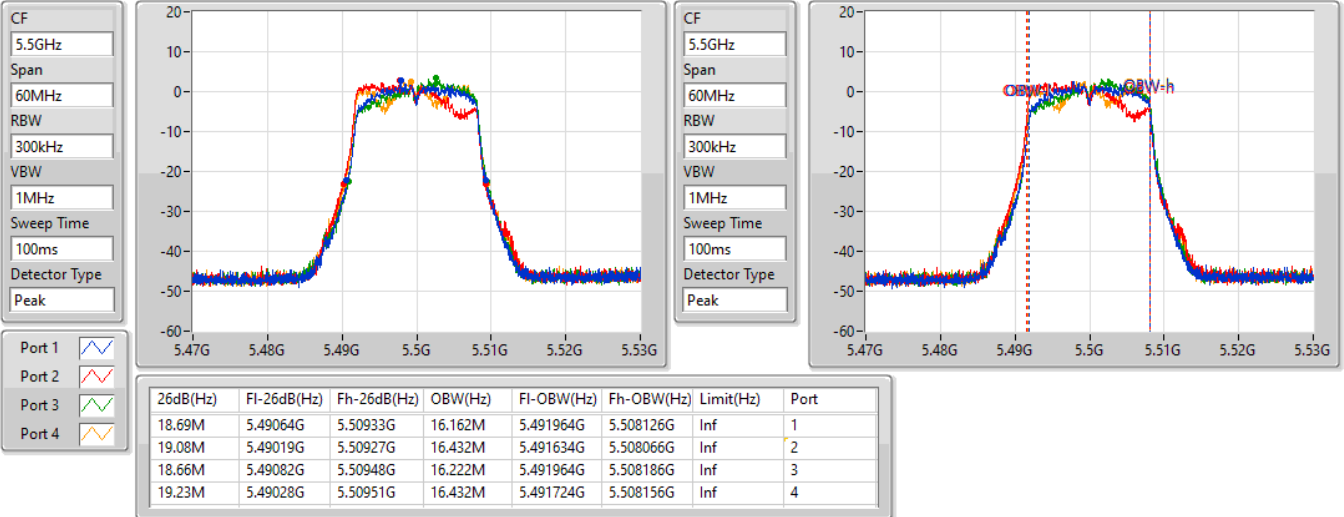


11a20_Nss1,(6Mbps)_4TX

EBW

5500MHz

24/08/2021

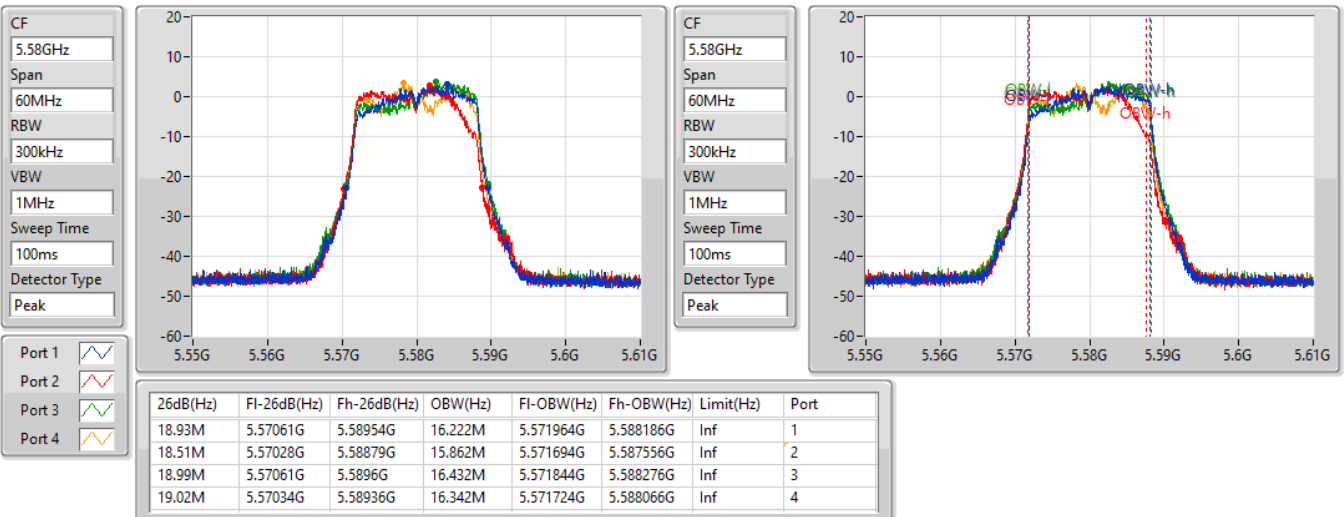


11a20_Nss1,(6Mbps)_4TX

EBW

5580MHz

24/08/2021

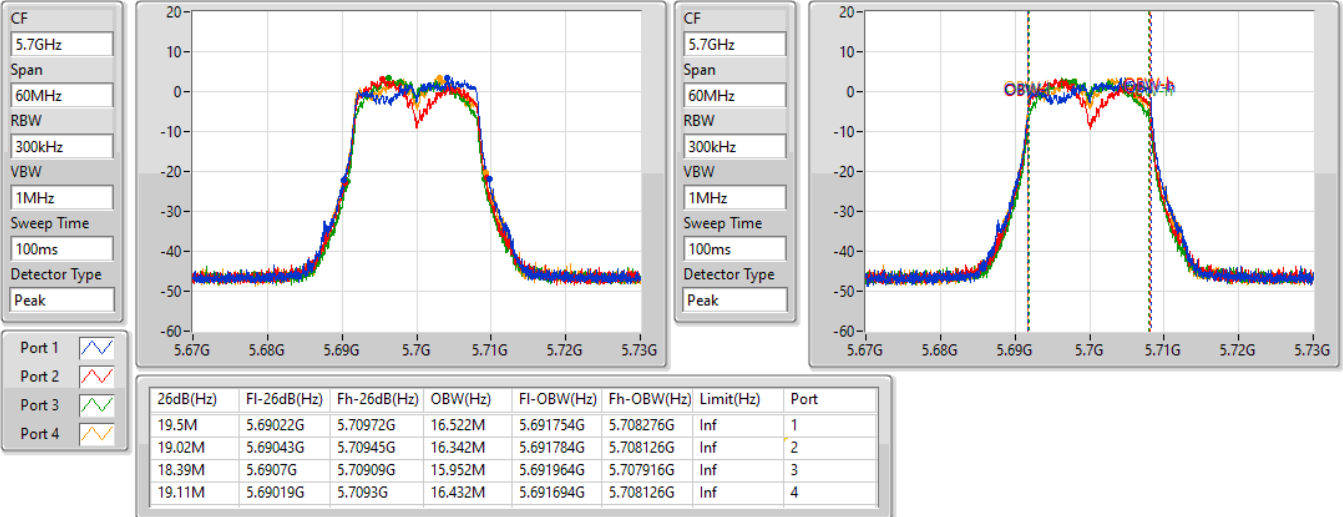


11a20_Nss1,(6Mbps)_4TX

EBW

5700MHz

24/08/2021

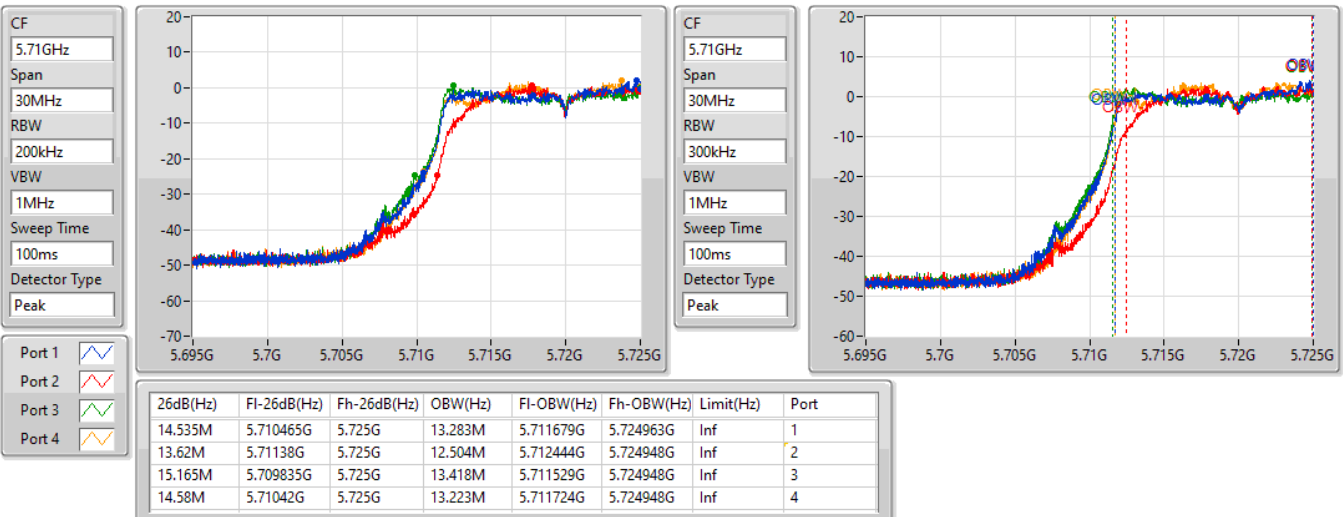


11a20_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

24/08/2021

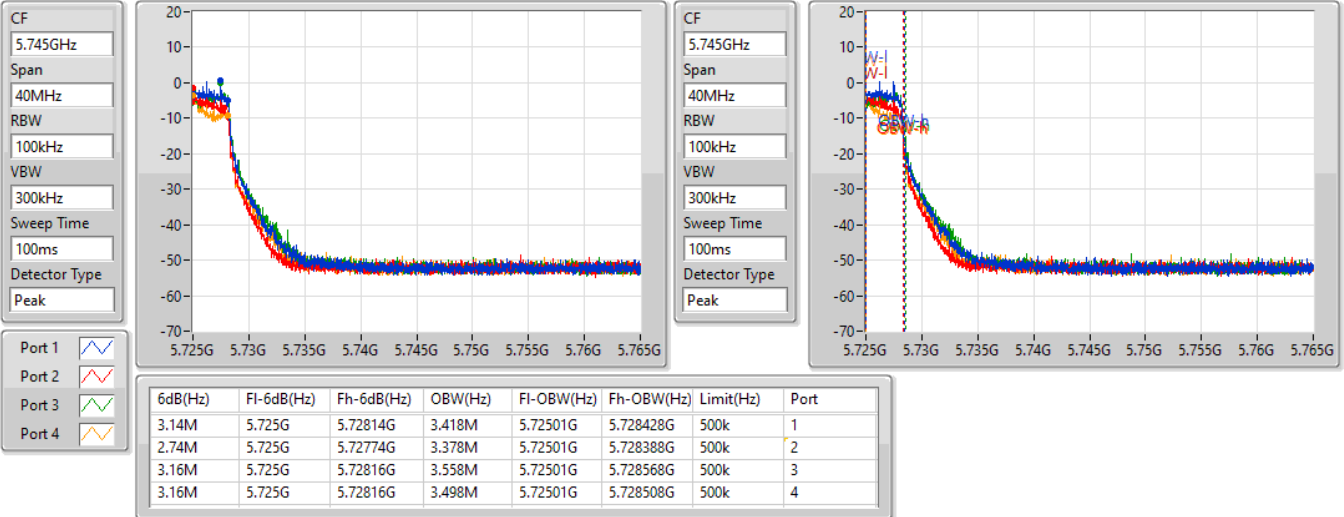


11a20_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/08/2021

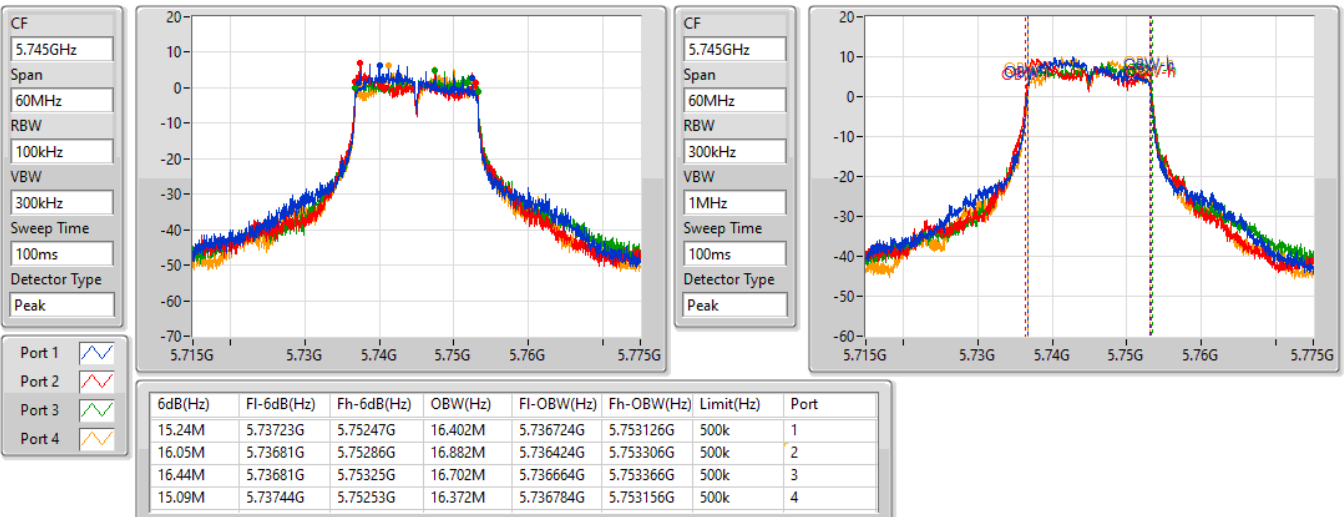


11a20_Nss1,(6Mbps)_4TX

EBW

5745MHz

24/08/2021

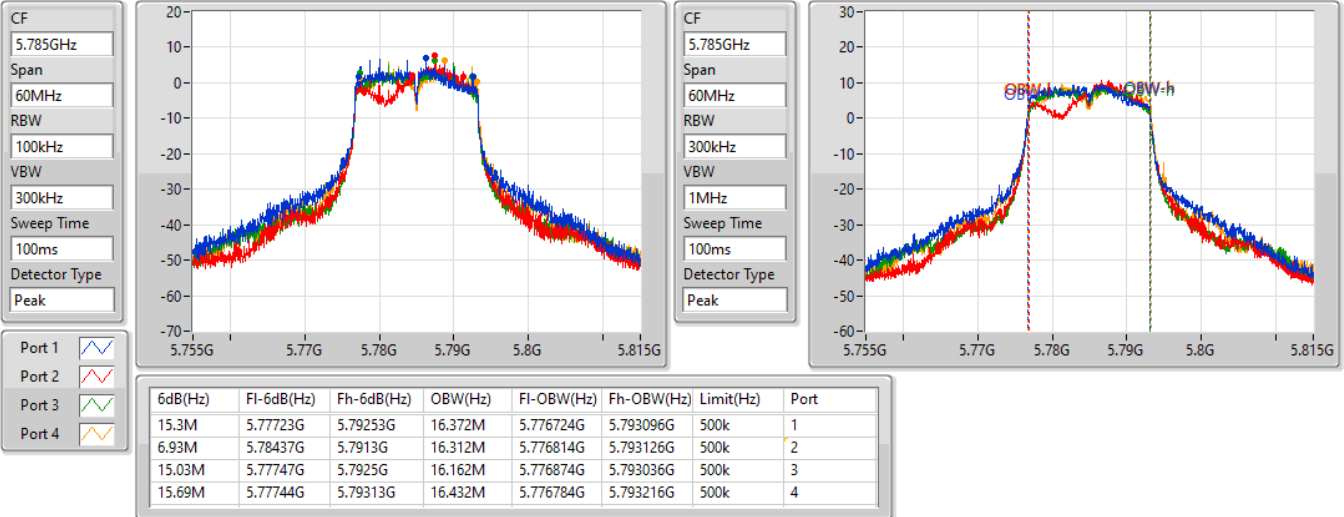


11a20_Nss1,(6Mbps)_4TX

EBW

5785MHz

24/08/2021

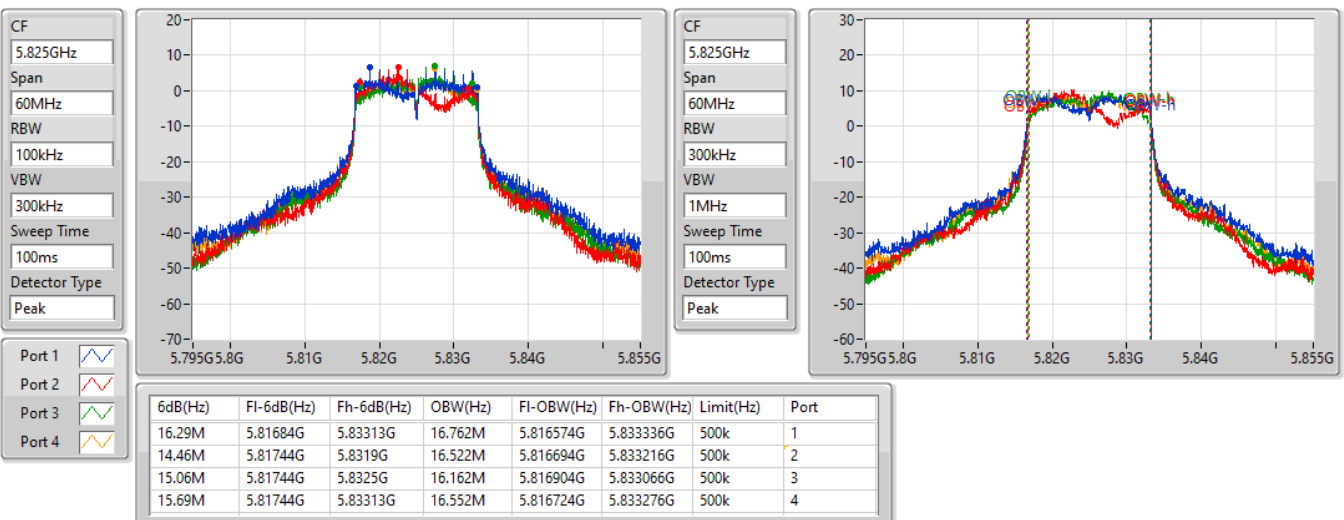


11a20_Nss1,(6Mbps)_4TX

EBW

5825MHz

24/08/2021

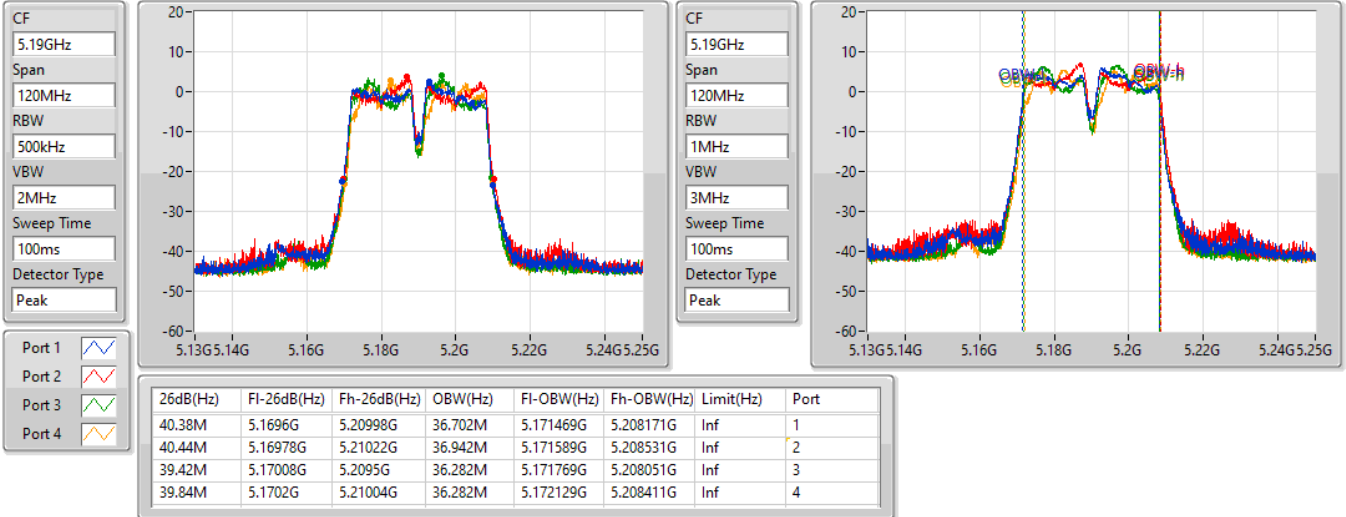


11a40_Nss1,(6Mbps)_4TX

EBW

5190MHz

24/08/2021

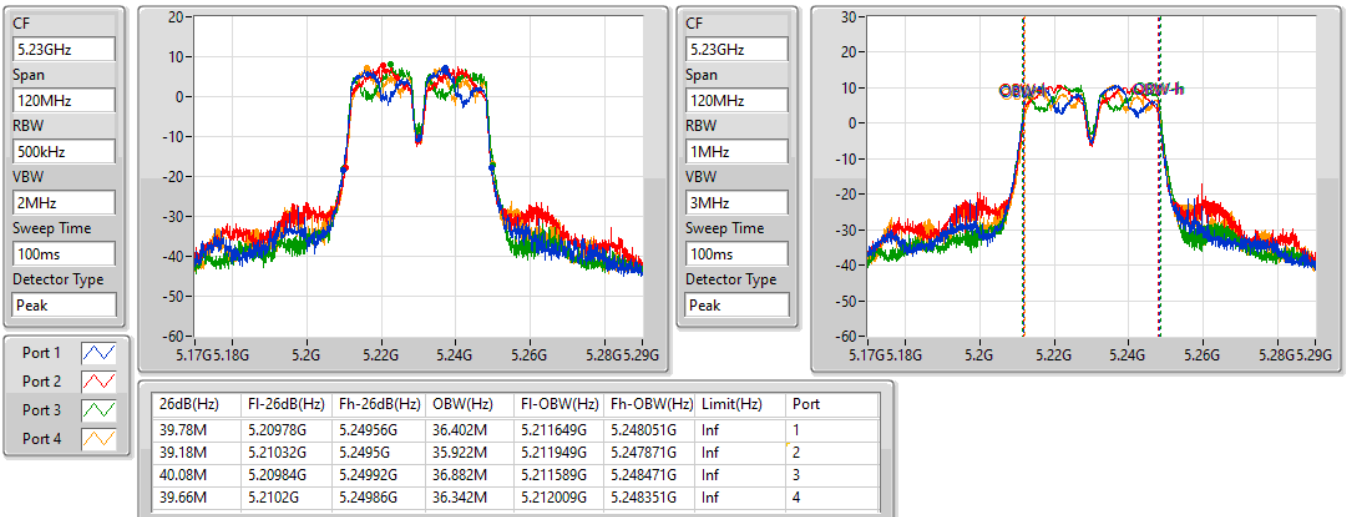


11a40_Nss1,(6Mbps)_4TX

EBW

5230MHz

24/08/2021

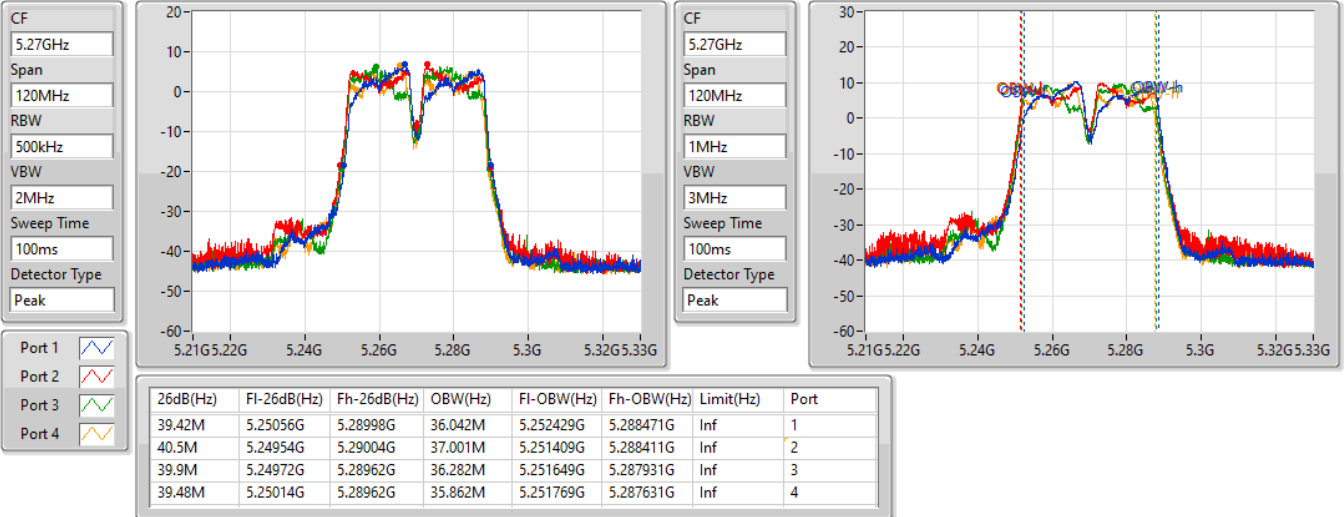


11a40_Nss1,(6Mbps)_4TX

EBW

5270MHz

24/08/2021

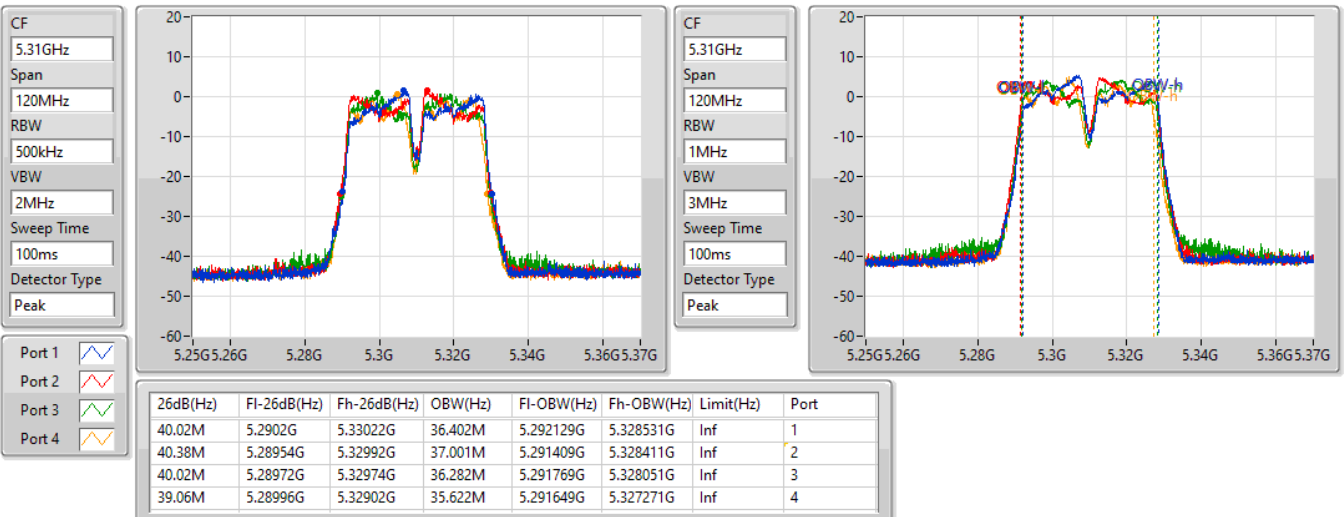


11a40_Nss1,(6Mbps)_4TX

EBW

5310MHz

24/08/2021

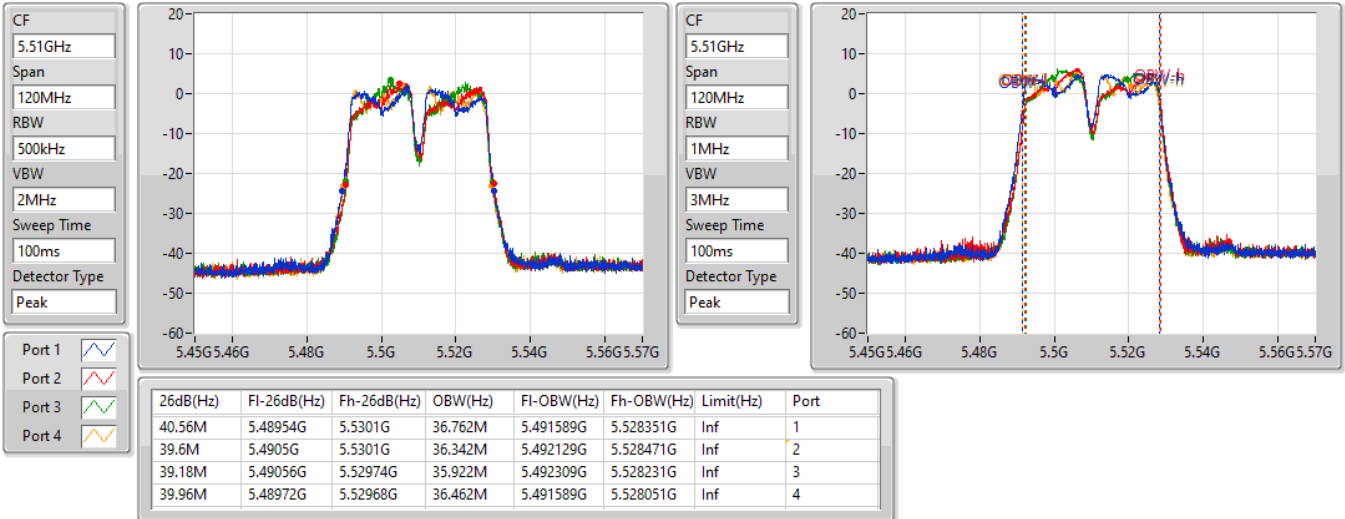


11a40_Nss1,(6Mbps)_4TX

EBW

5510MHz

24/08/2021

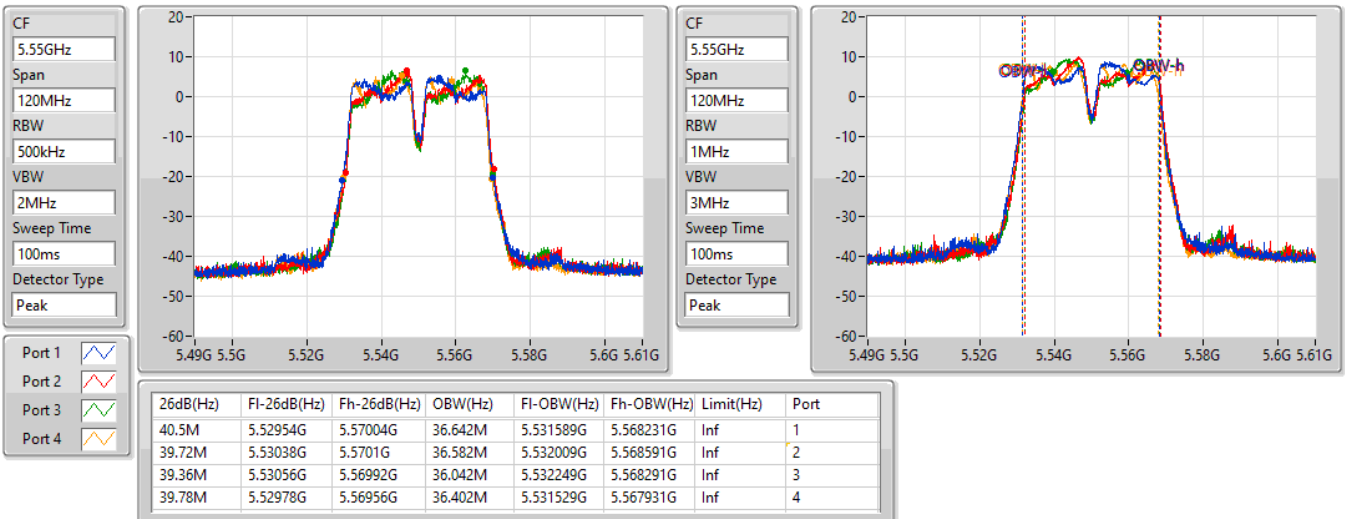


11a40_Nss1,(6Mbps)_4TX

EBW

5550MHz

24/08/2021

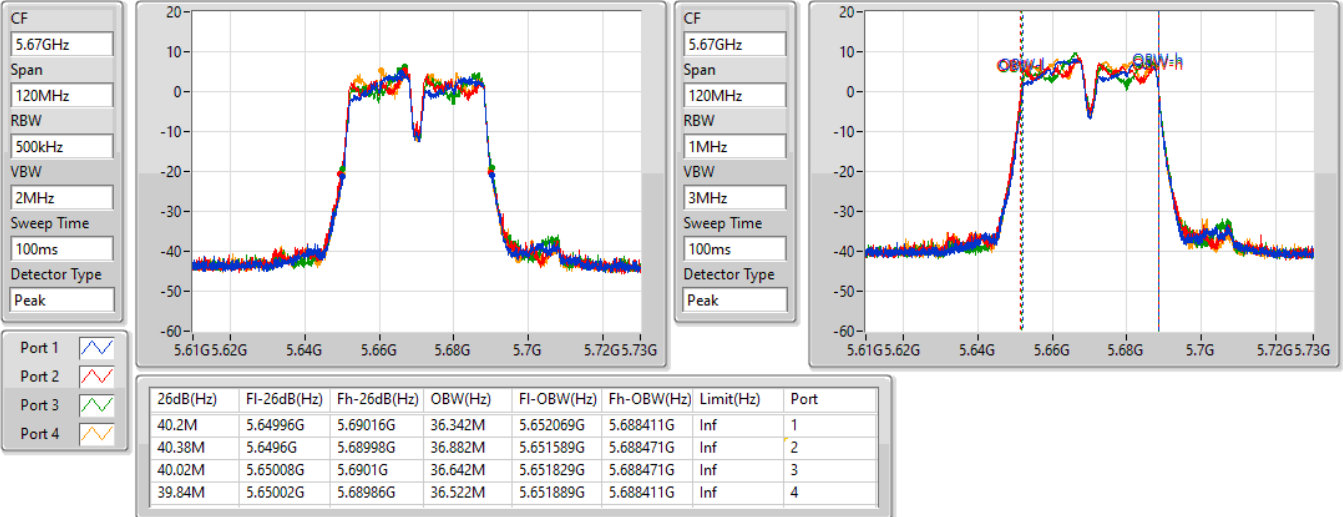


11a40_Nss1,(6Mbps)_4TX

EBW

5670MHz

24/08/2021

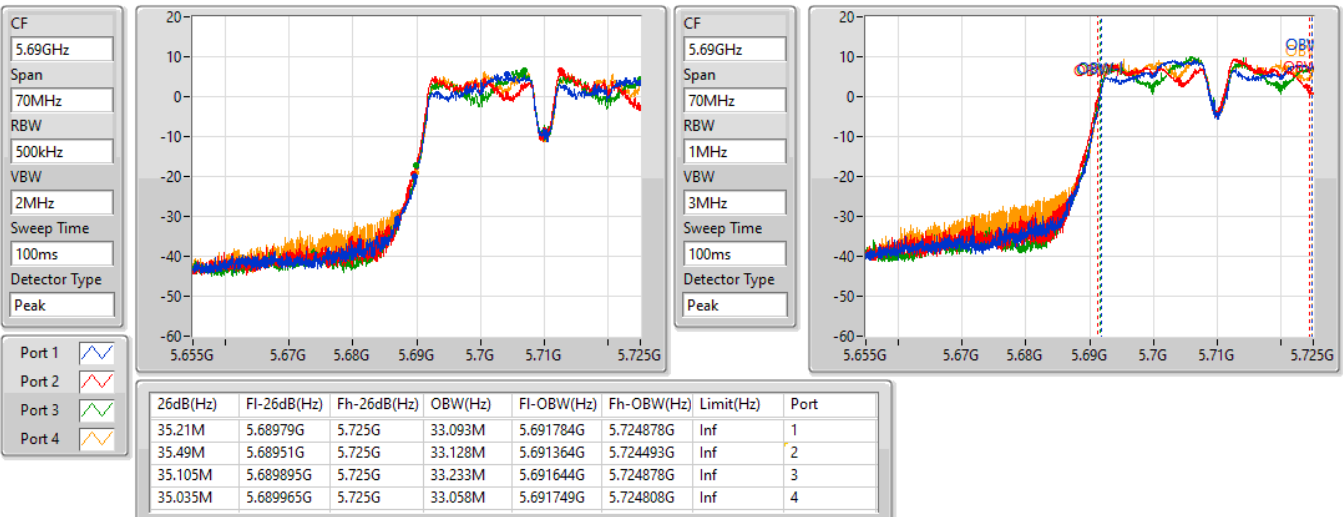


11a40_Nss1,(6Mbps)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

24/08/2021

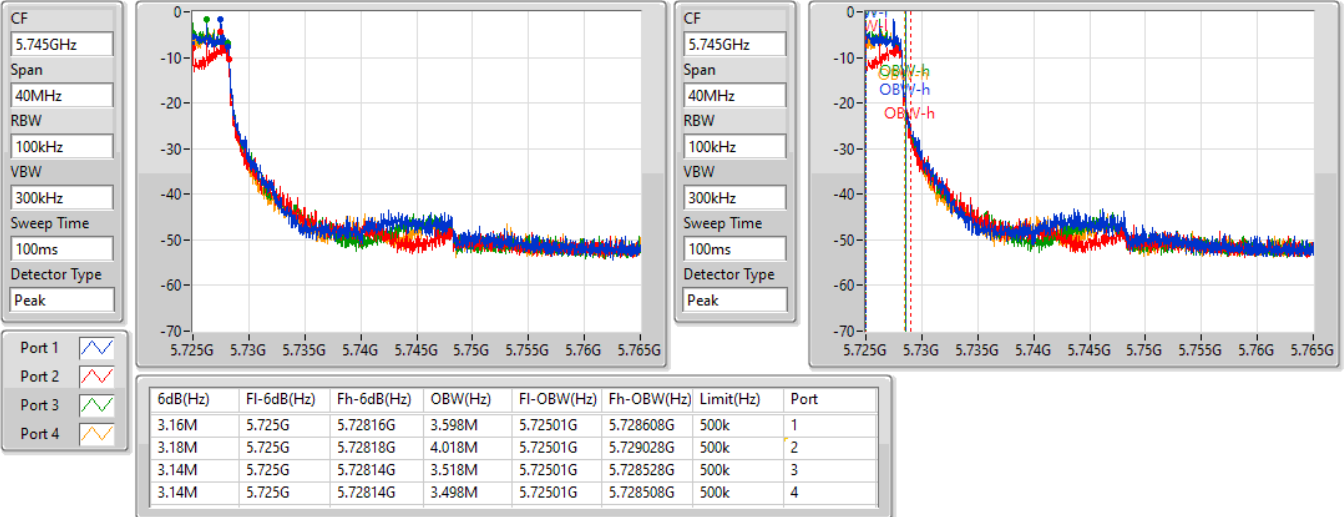


11a40_Nss1,(6Mbps)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

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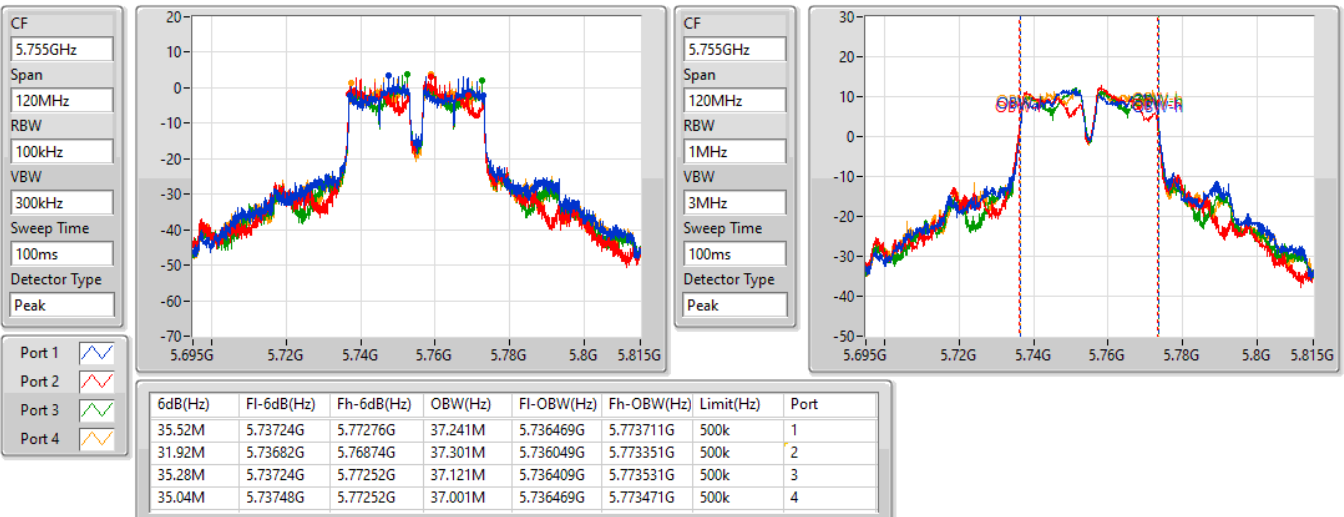


11a40_Nss1,(6Mbps)_4TX

EBW

5755MHz

24/08/2021

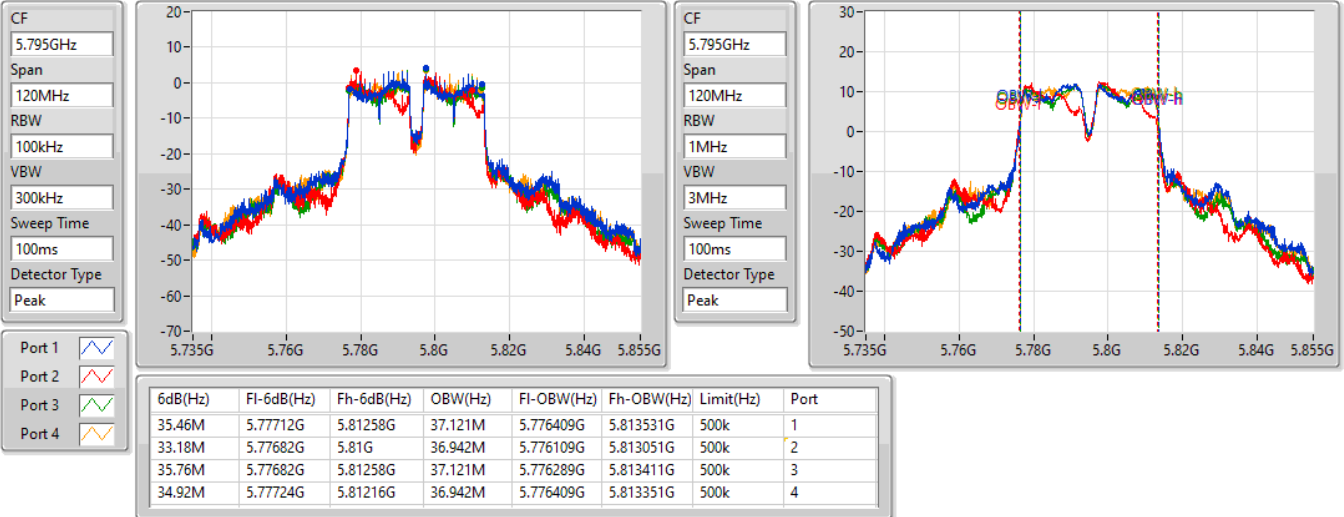


11a40_Nss1,(6Mbps)_4TX

EBW

5795MHz

24/08/2021

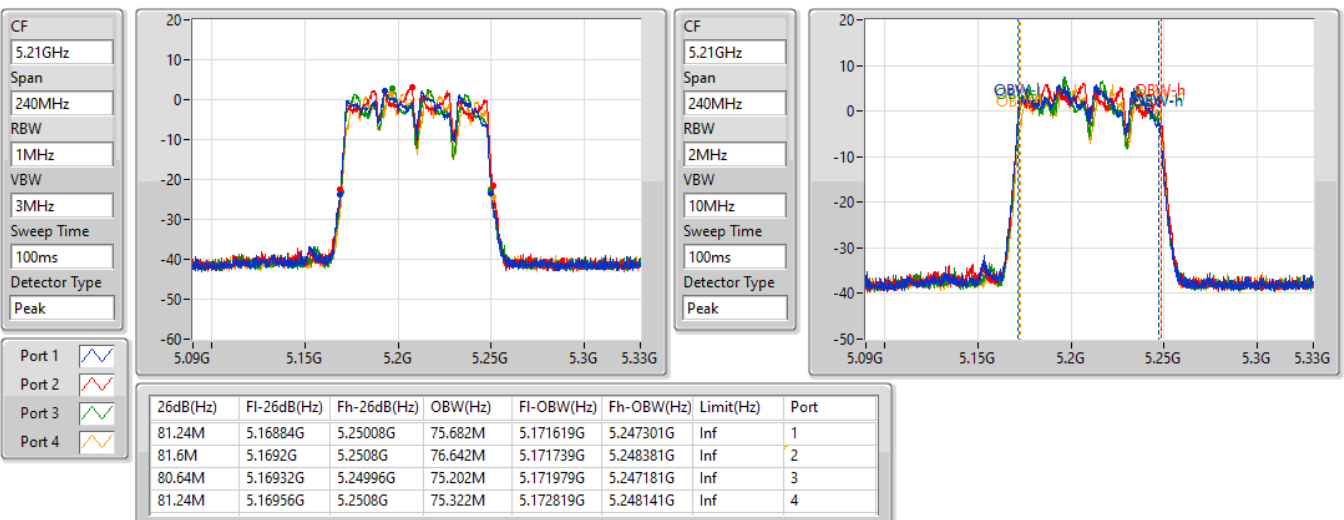


11a80_Nss1,(6Mbps)_4TX

EBW

5210MHz

24/08/2021

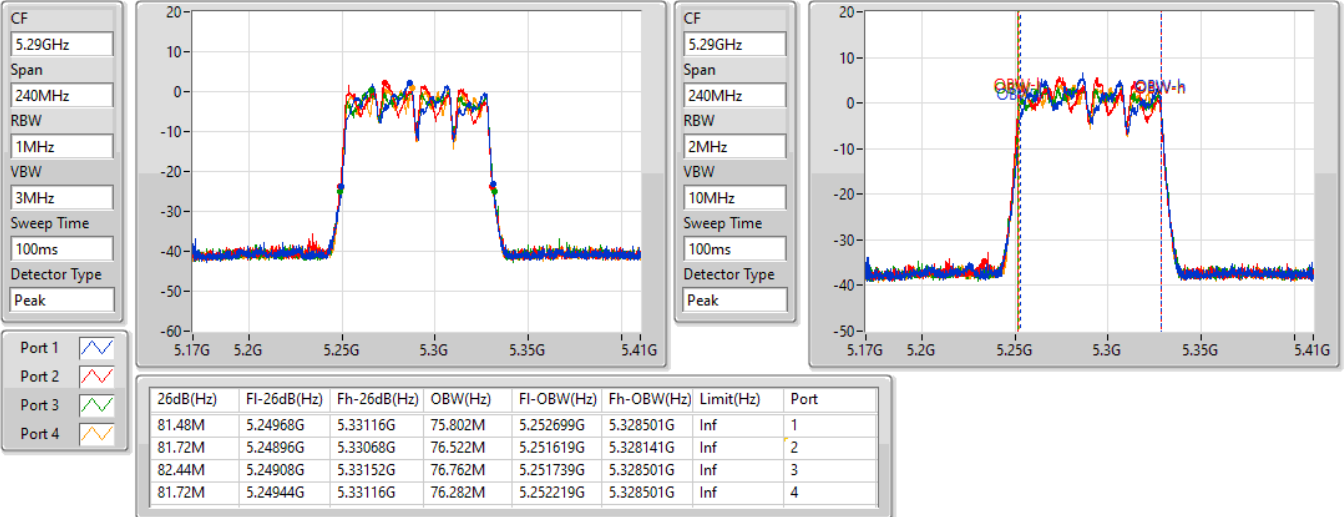


11a80_Nss1,(6Mbps)_4TX

EBW

5290MHz

24/08/2021

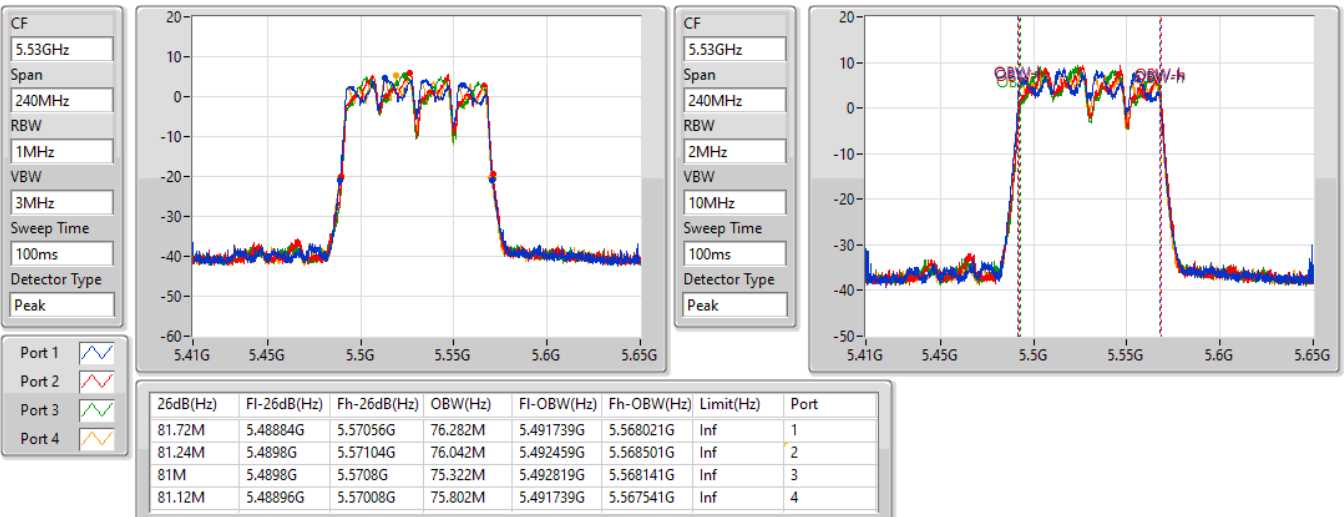


11a80_Nss1,(6Mbps)_4TX

EBW

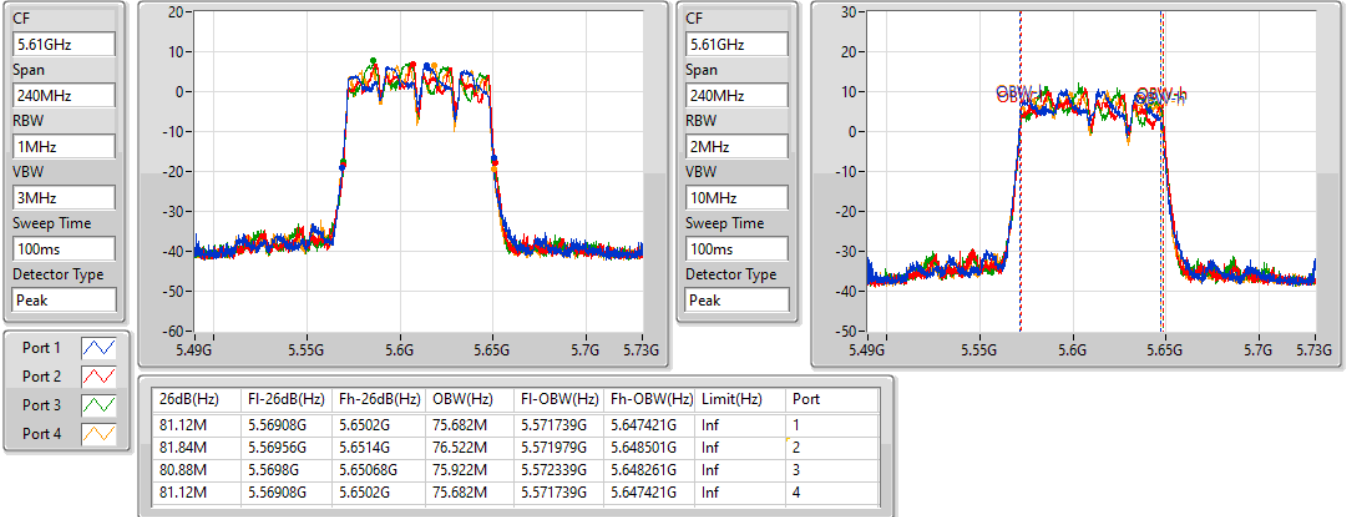
5530MHz

24/08/2021

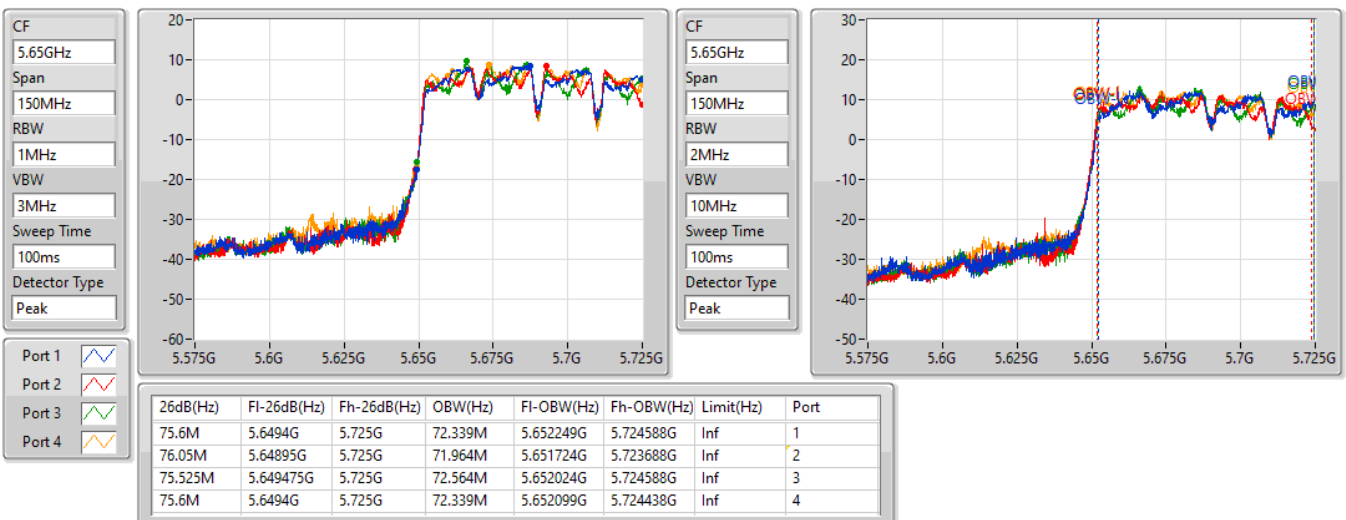


11a80_Nss1,(6Mbps)_4TX
EBW
5610MHz

24/08/2021


11a80_Nss1,(6Mbps)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

24/08/2021

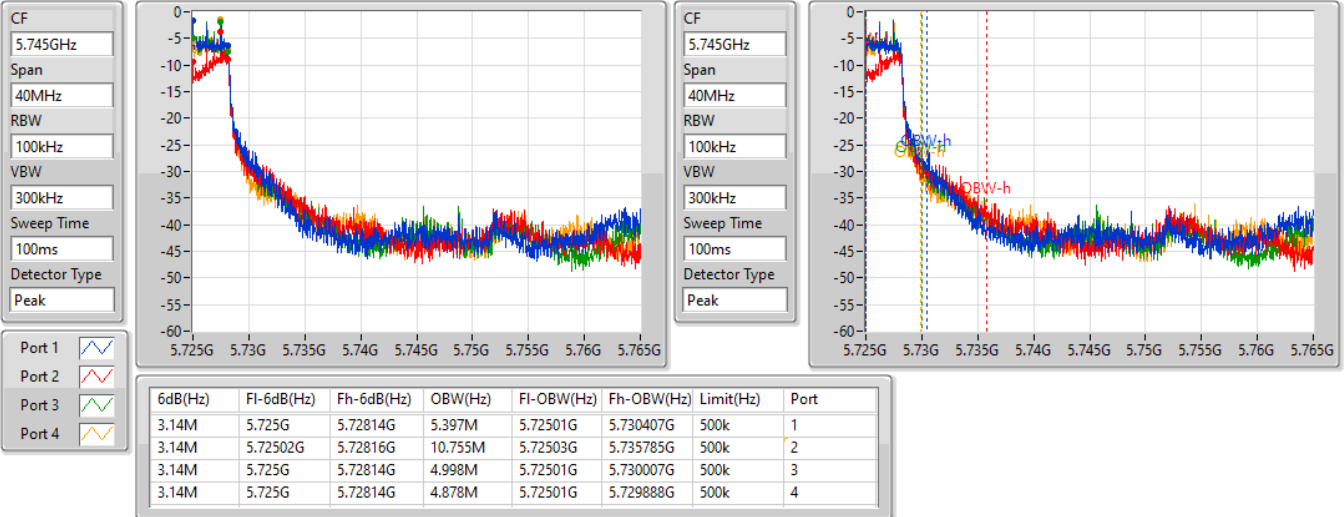


11a80_Nss1,(6Mbps)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

24/08/2021

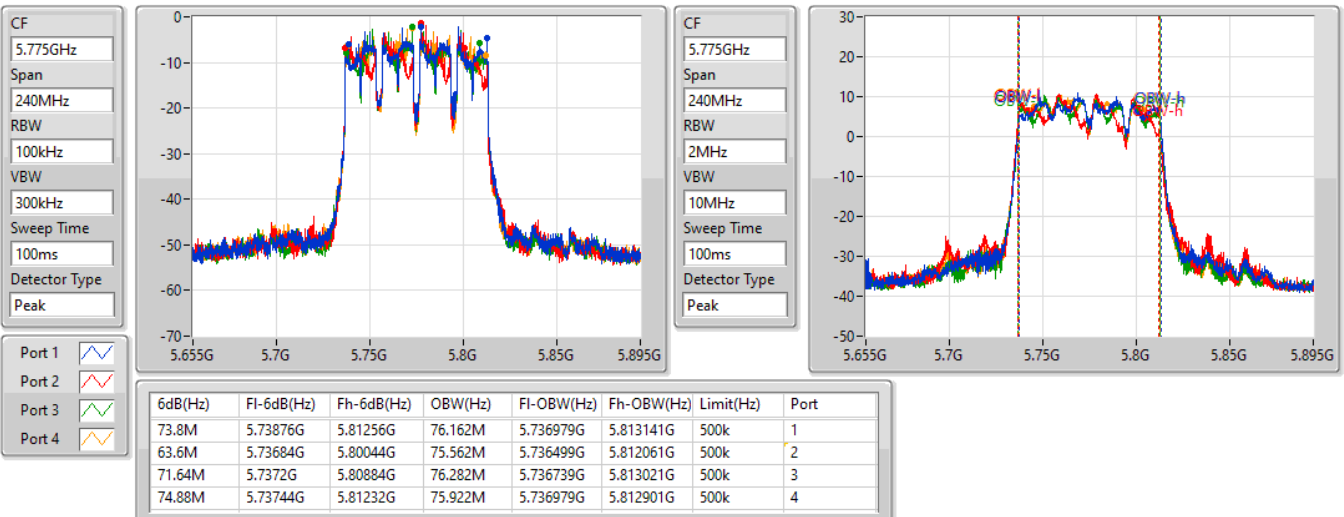


11a80_Nss1,(6Mbps)_4TX

EBW

5775MHz

24/08/2021

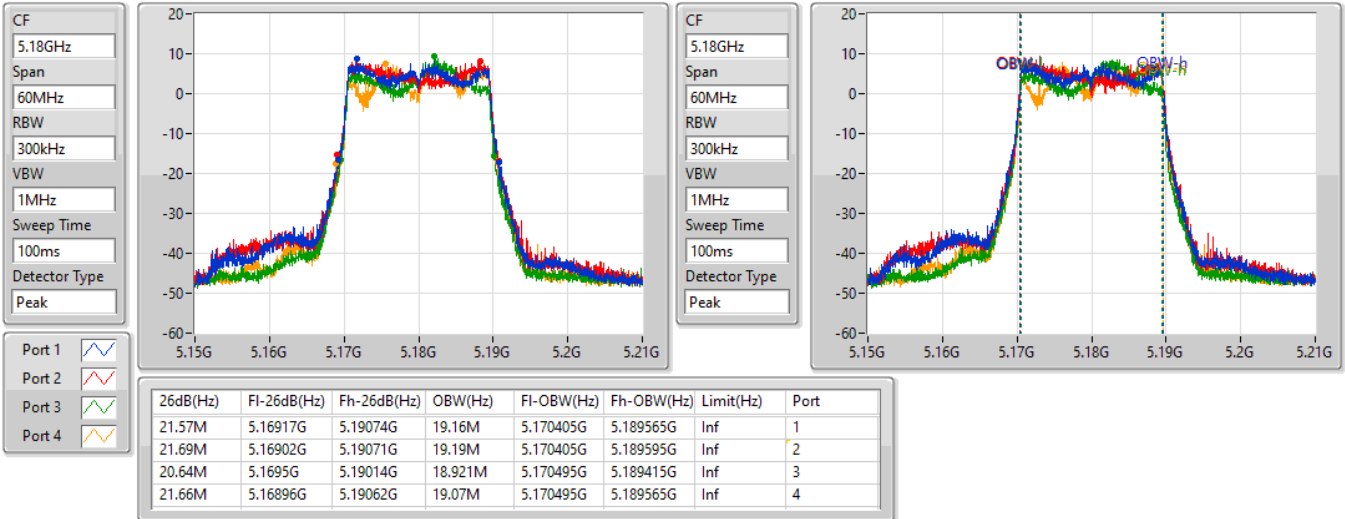


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

24/08/2021

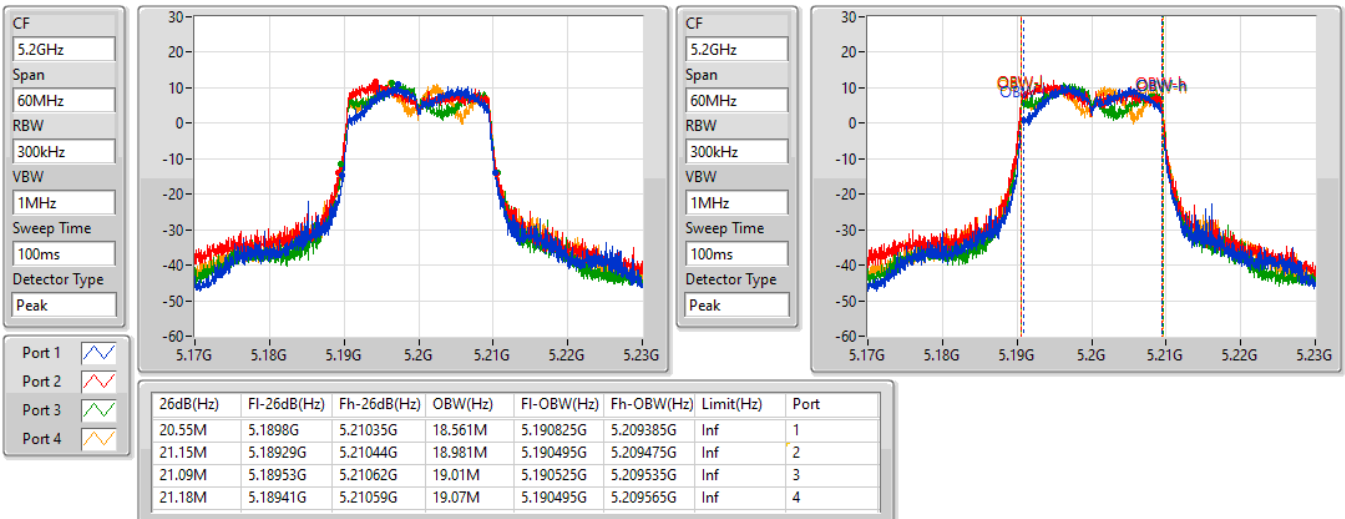


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

24/08/2021

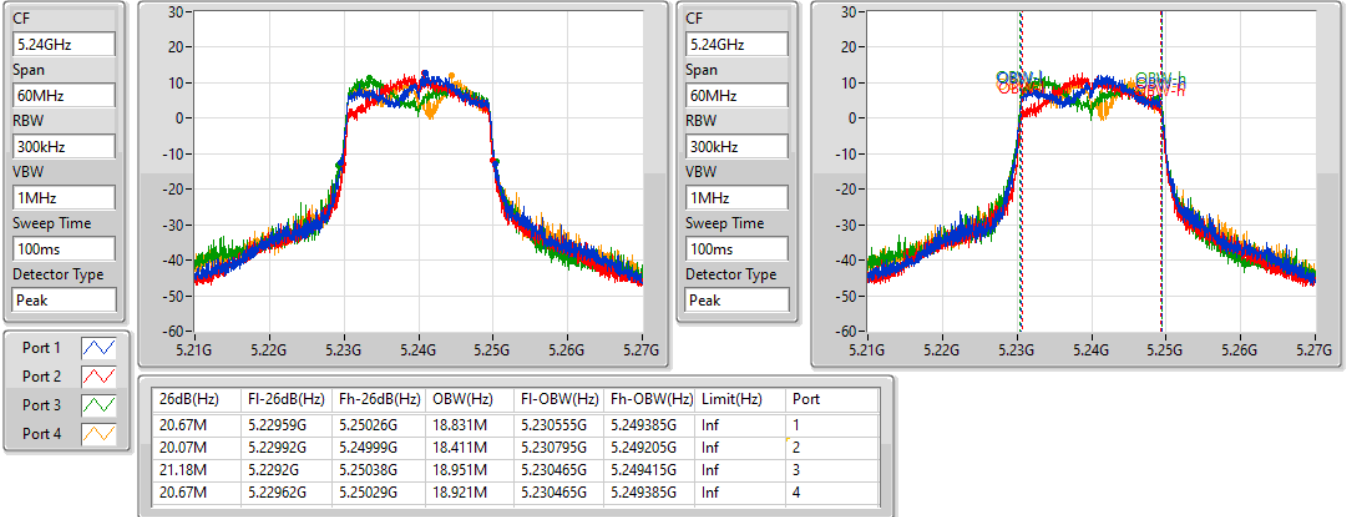


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

24/08/2021

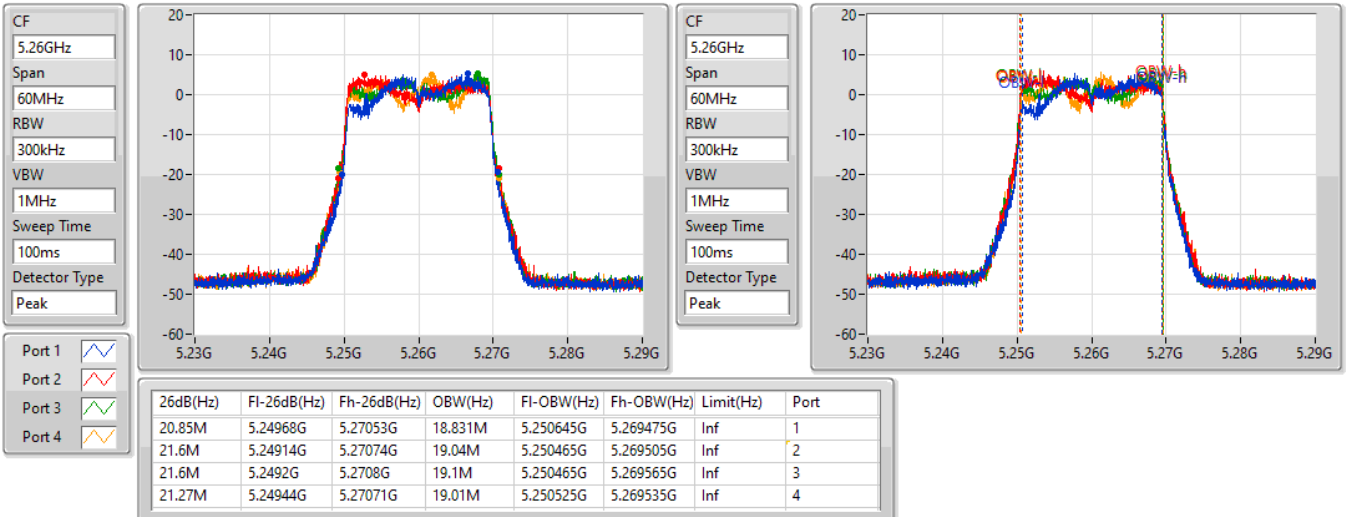


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

24/08/2021

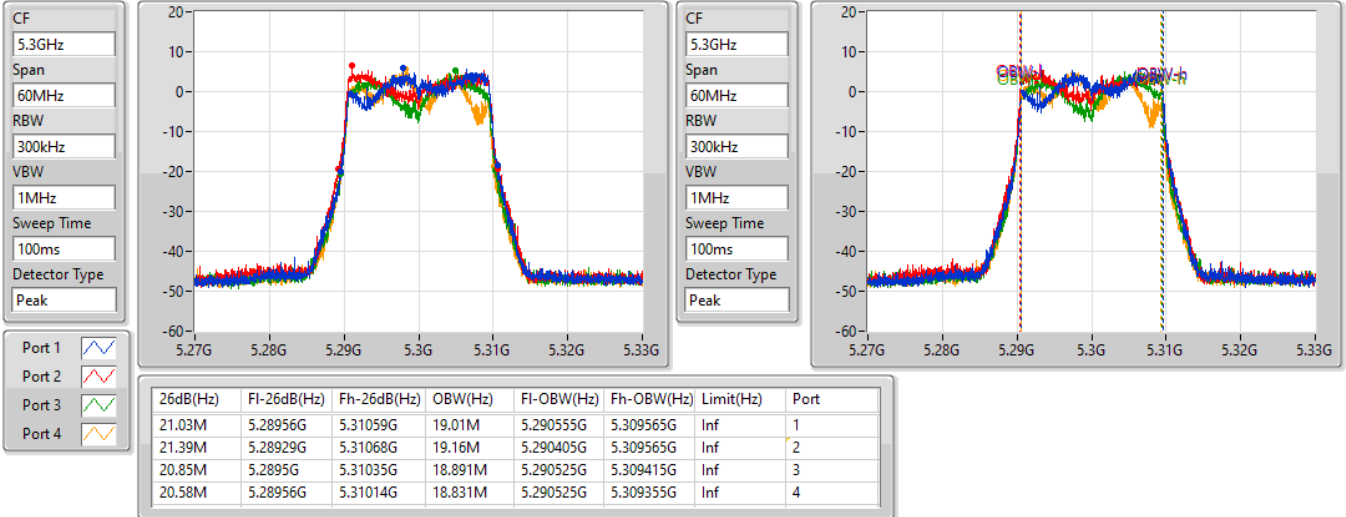


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

24/08/2021

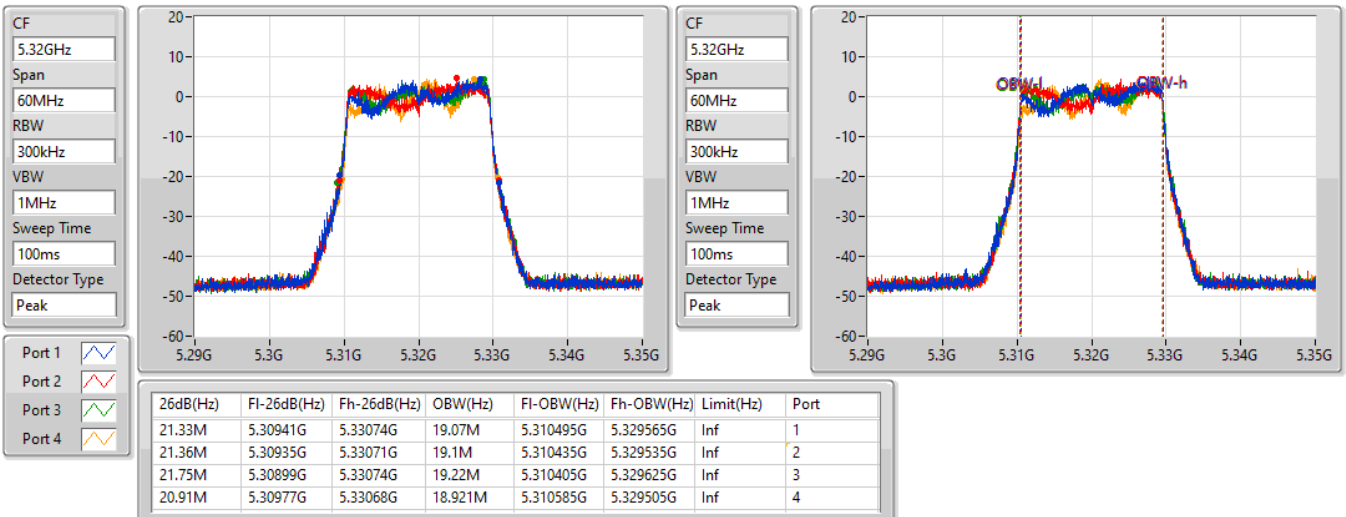


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

24/08/2021

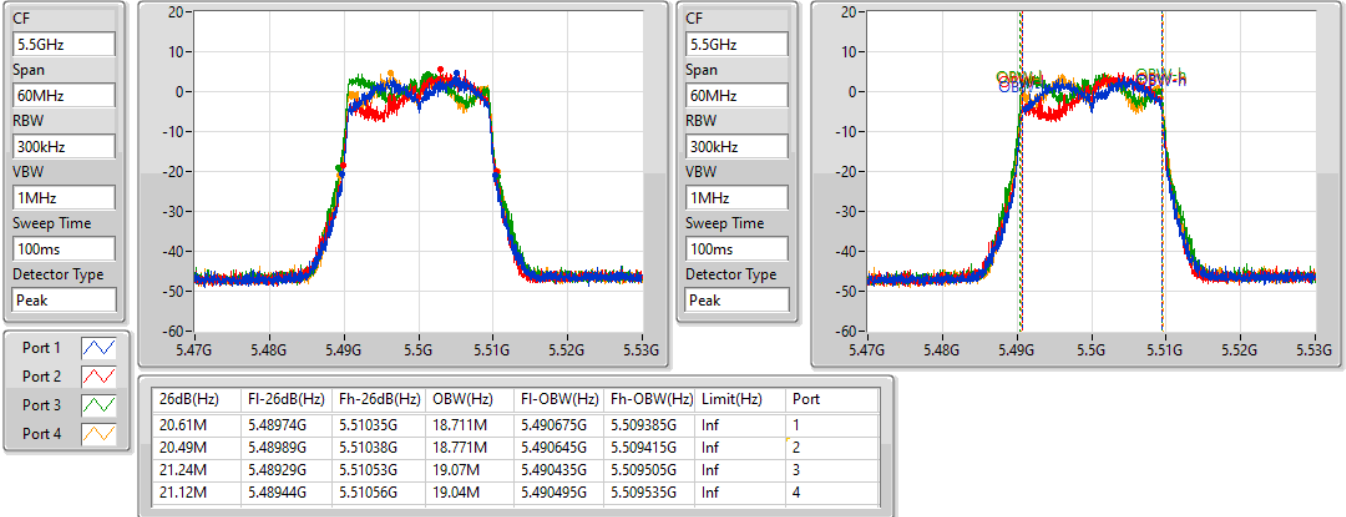


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

24/08/2021

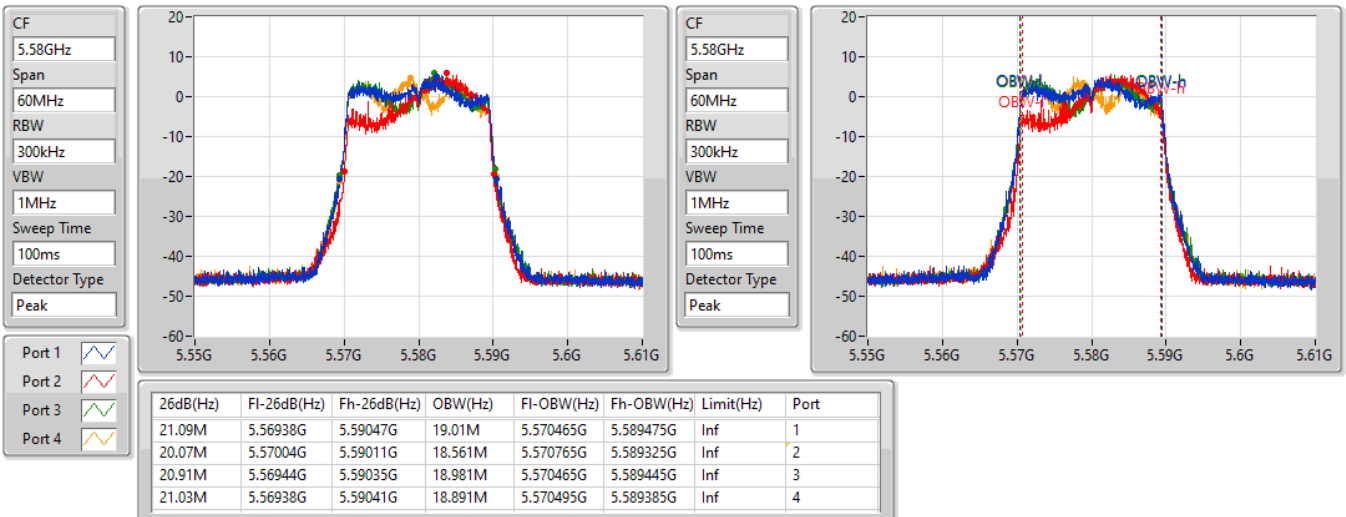


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

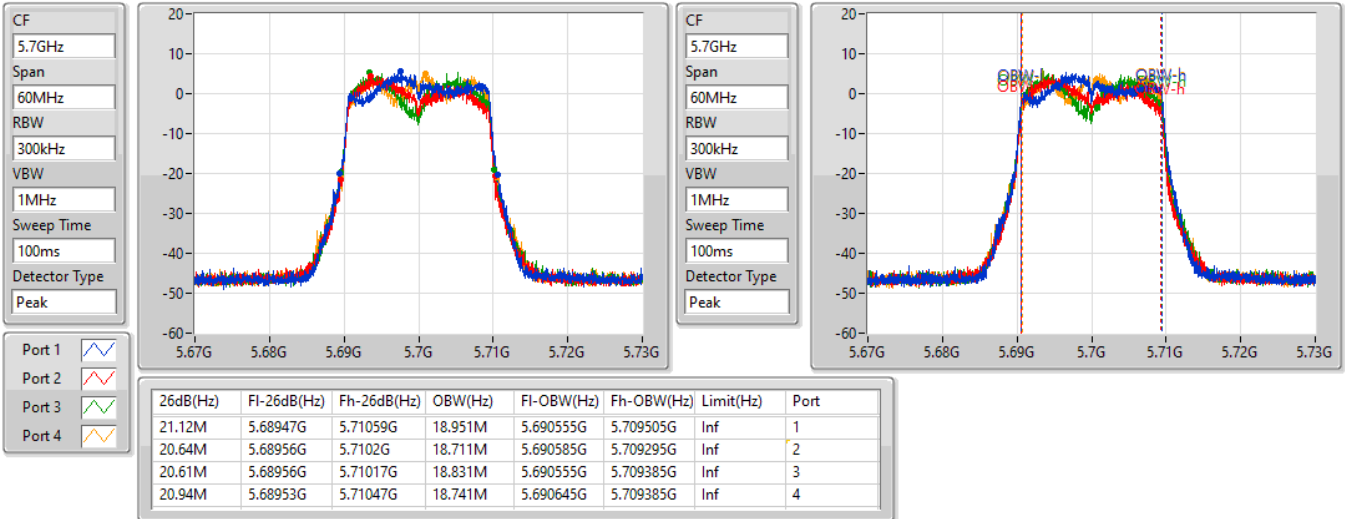
5580MHz

24/08/2021

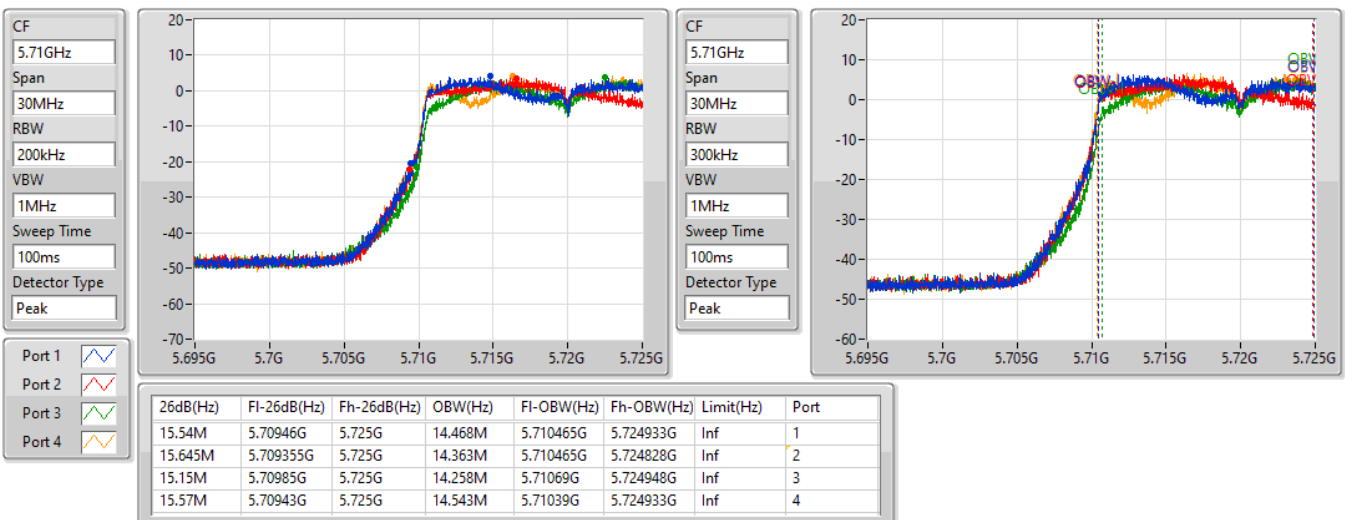


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

24/08/2021


802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

24/08/2021

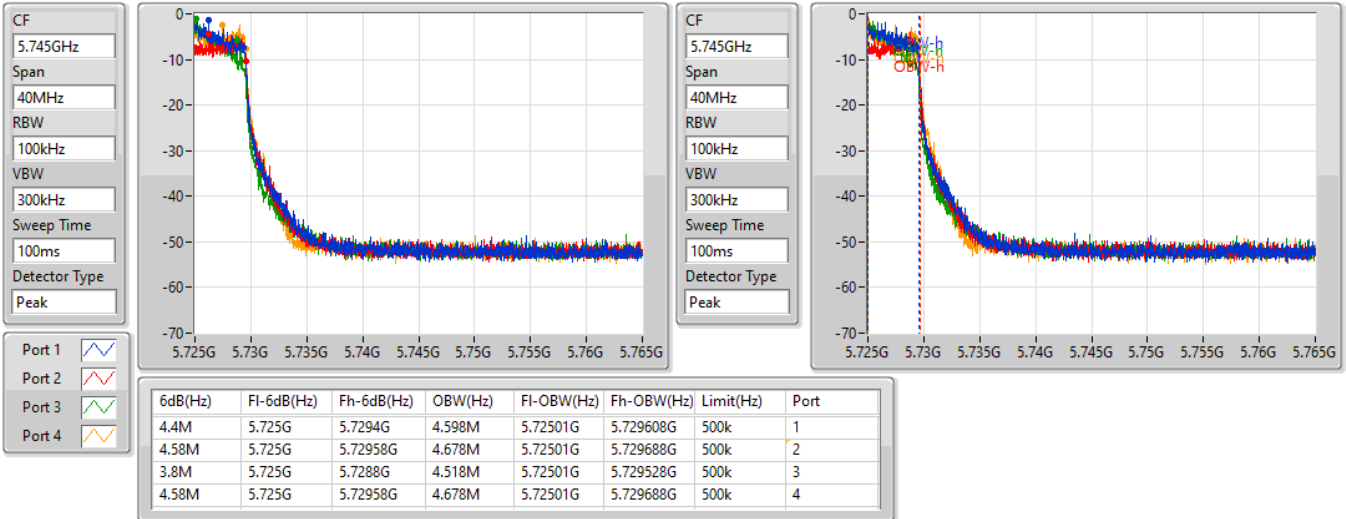


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

24/08/2021

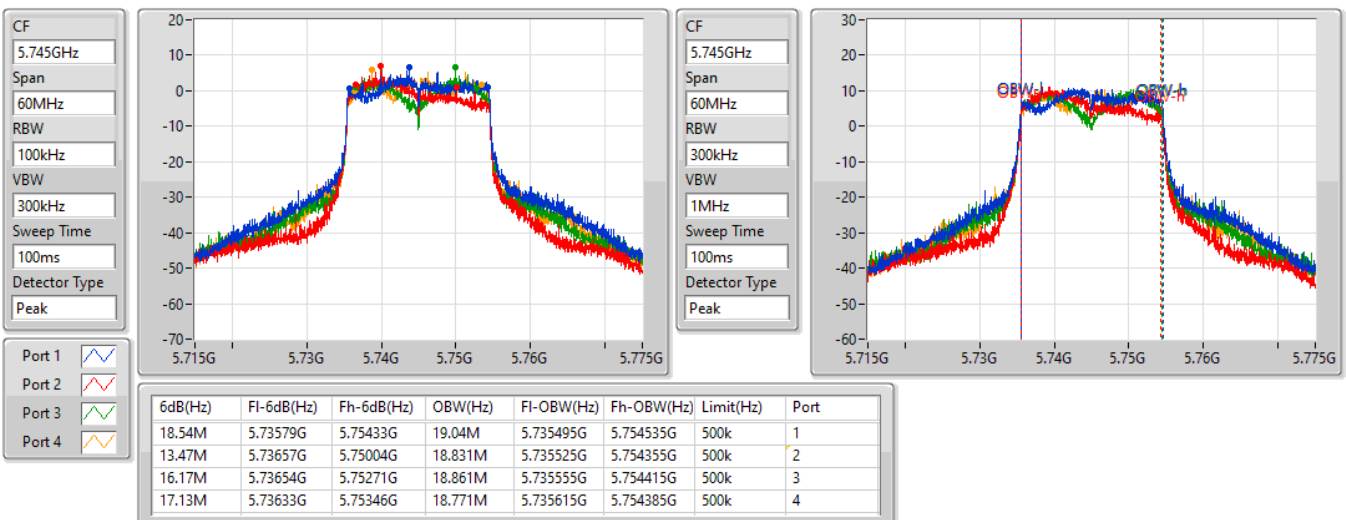


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

24/08/2021

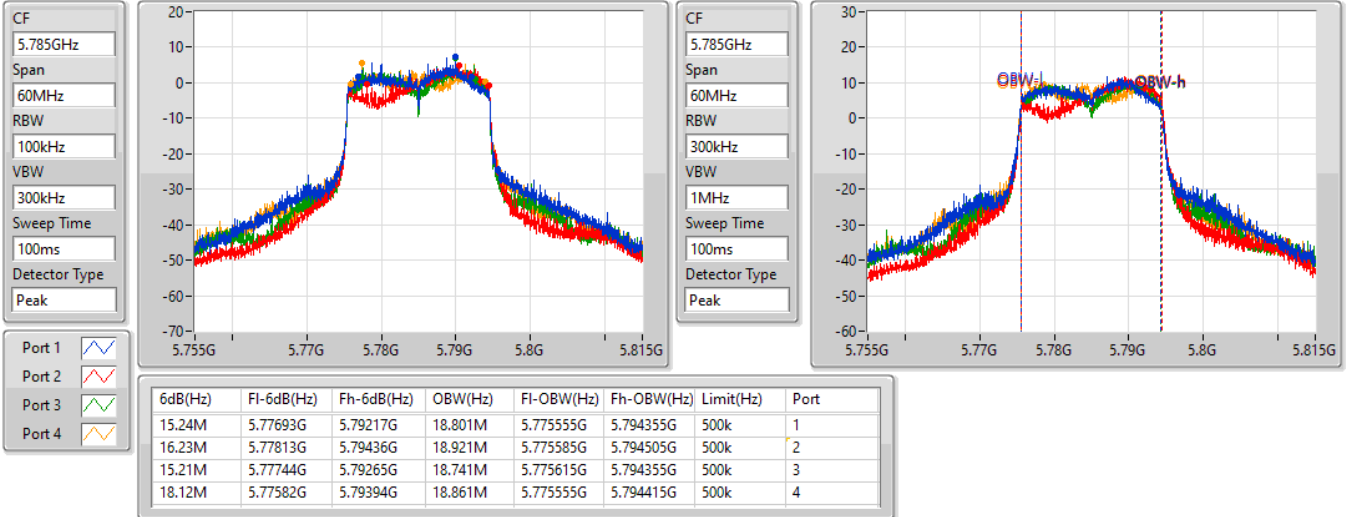


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

24/08/2021

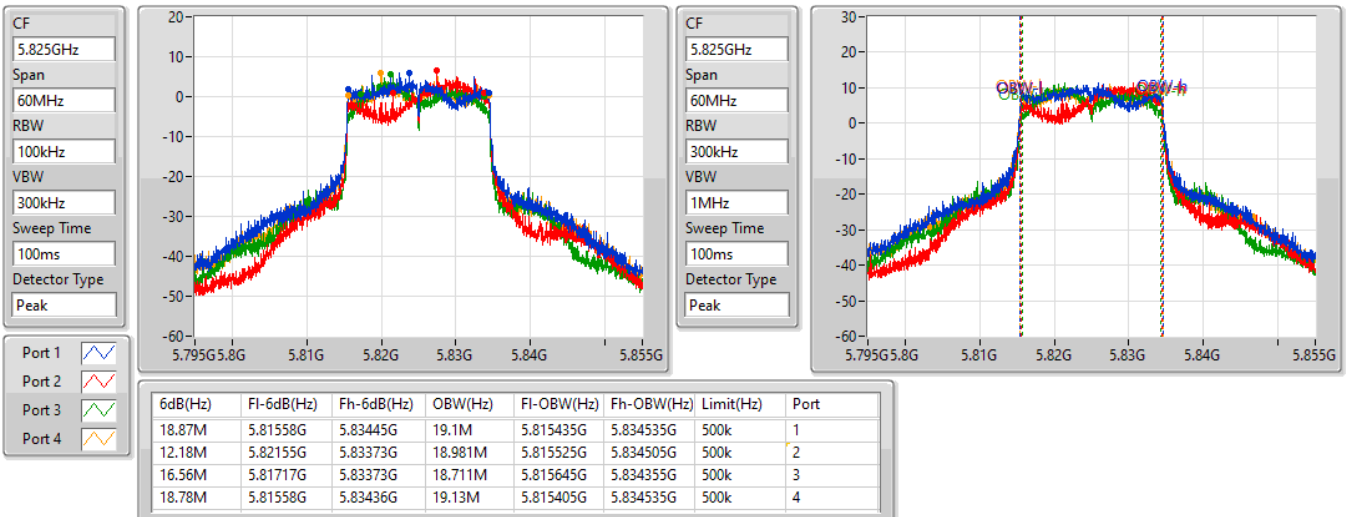


802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

24/08/2021

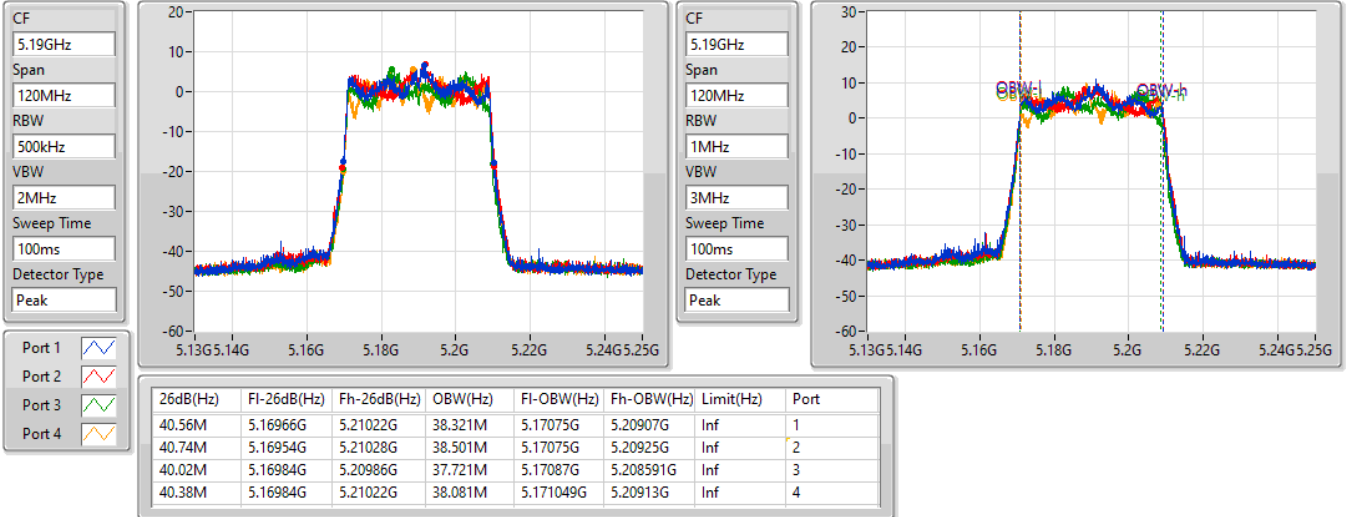


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

24/08/2021

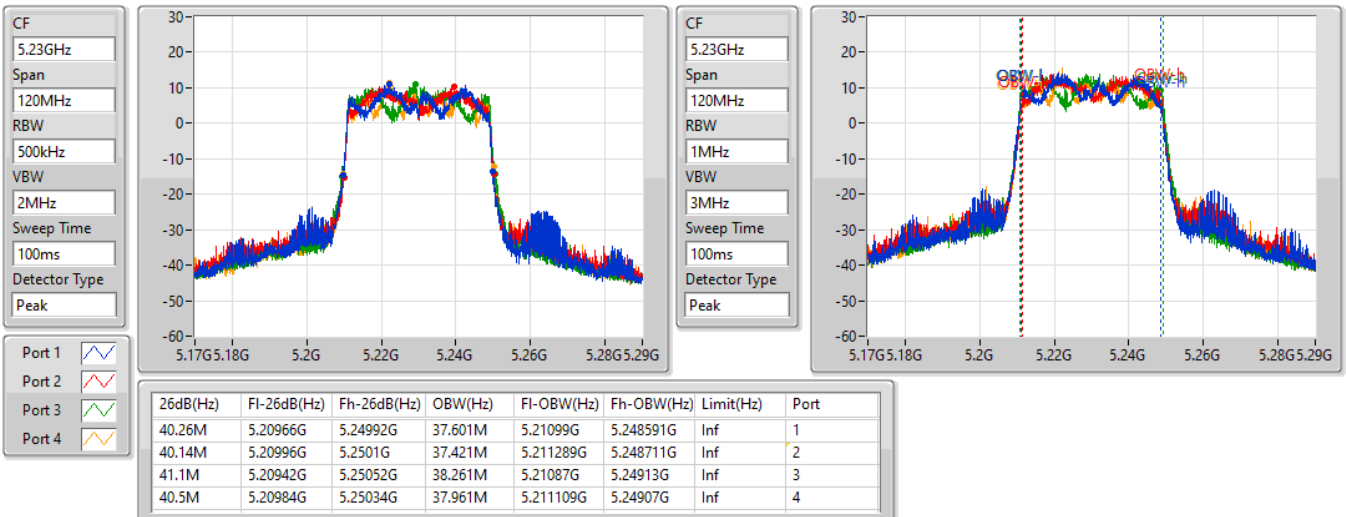


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

24/08/2021

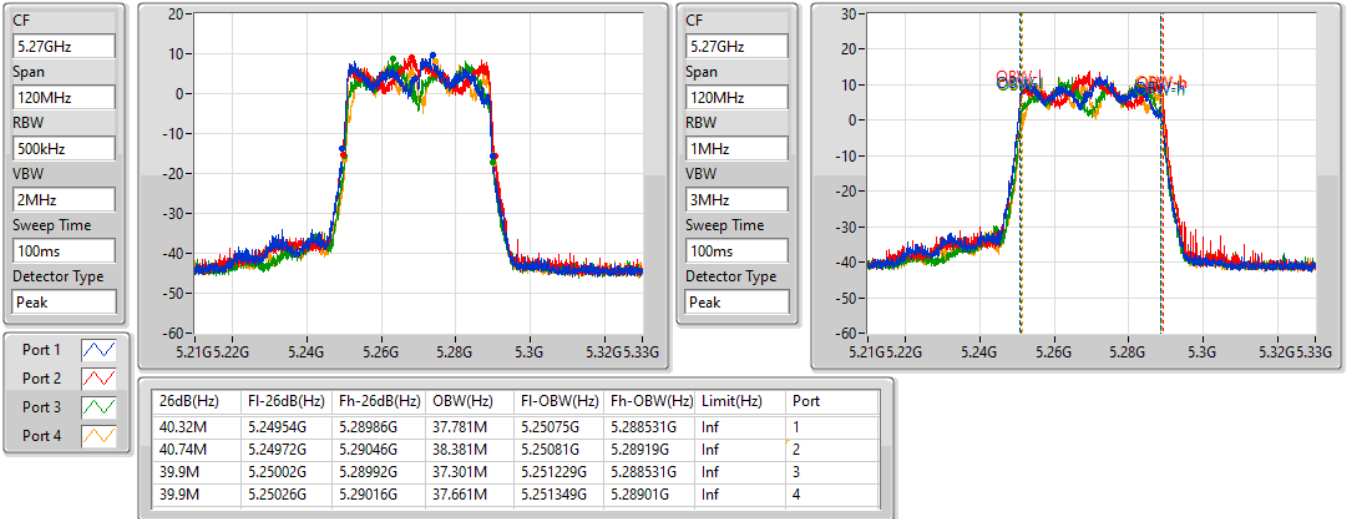


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

24/08/2021

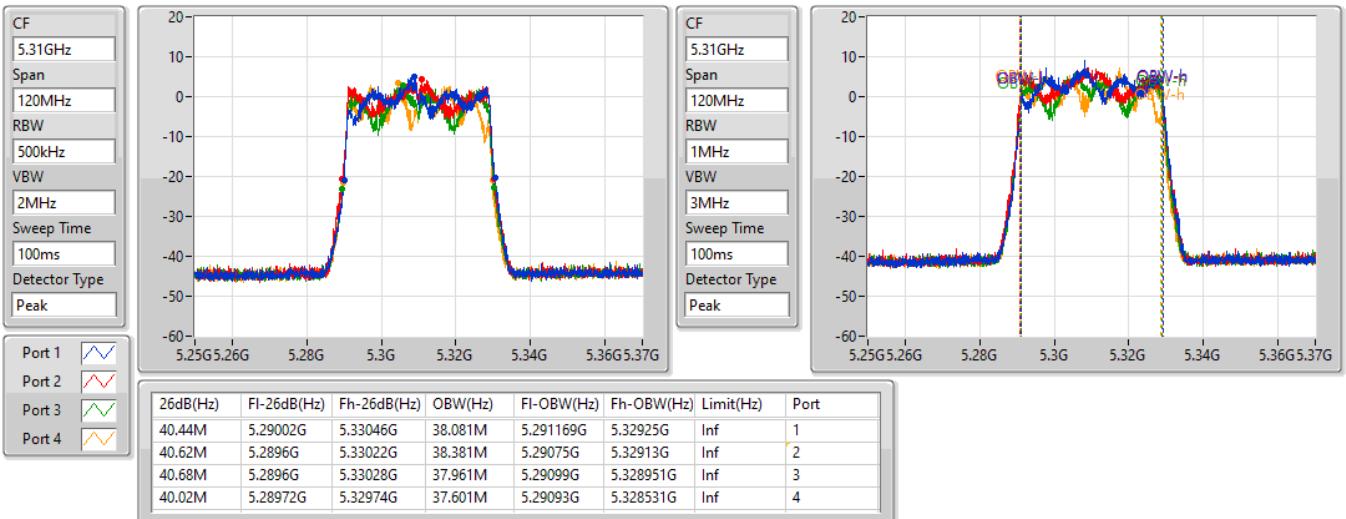


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

24/08/2021

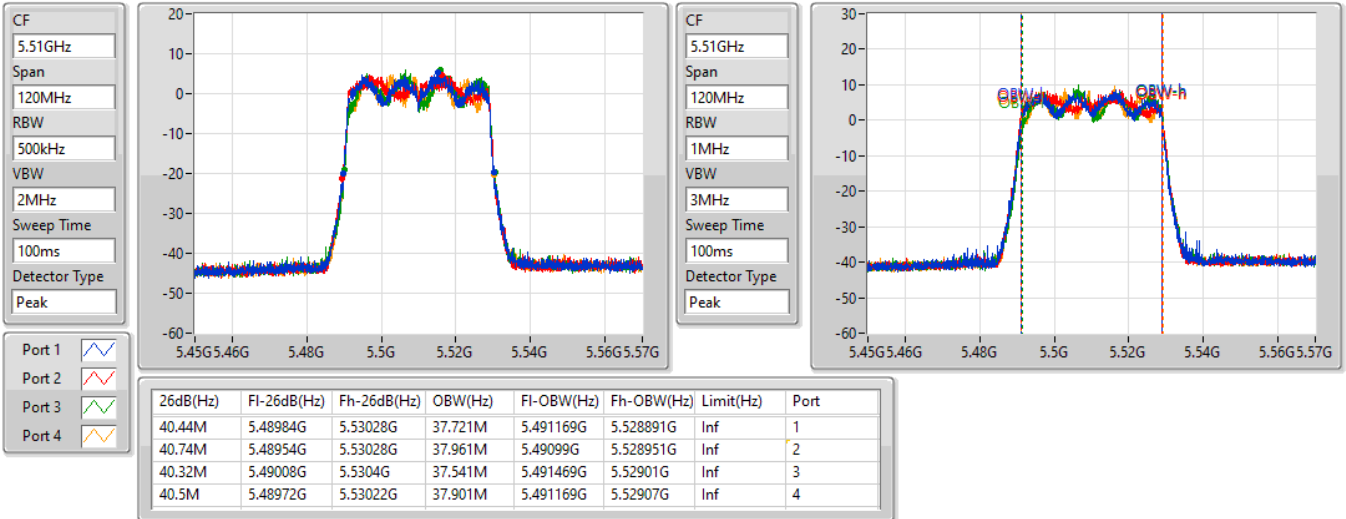


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

24/08/2021

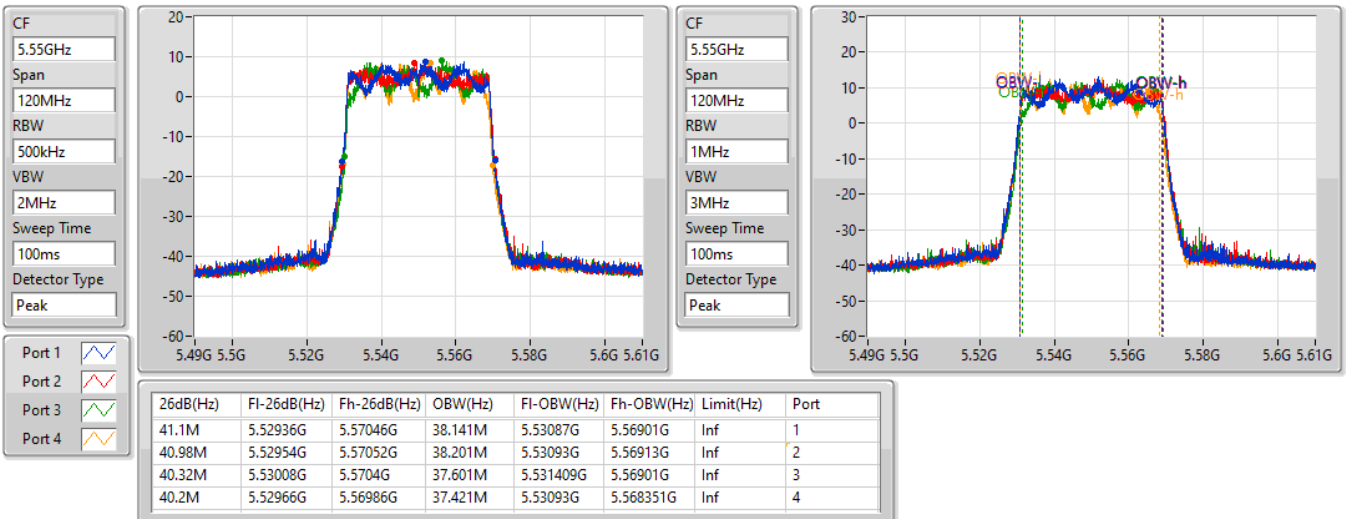


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

24/08/2021

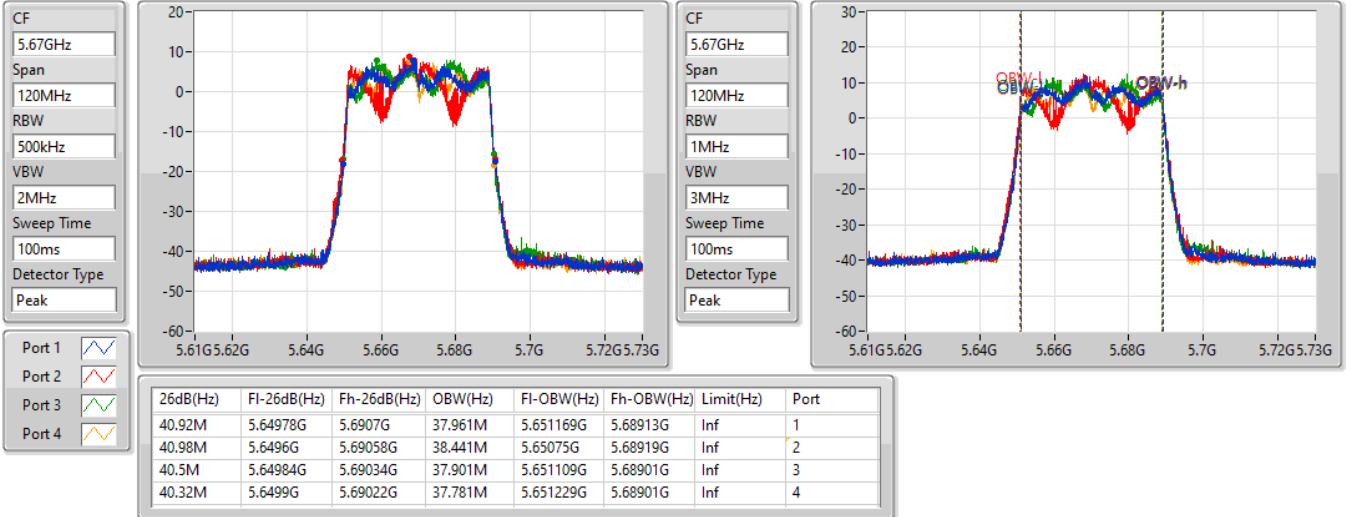


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

24/08/2021

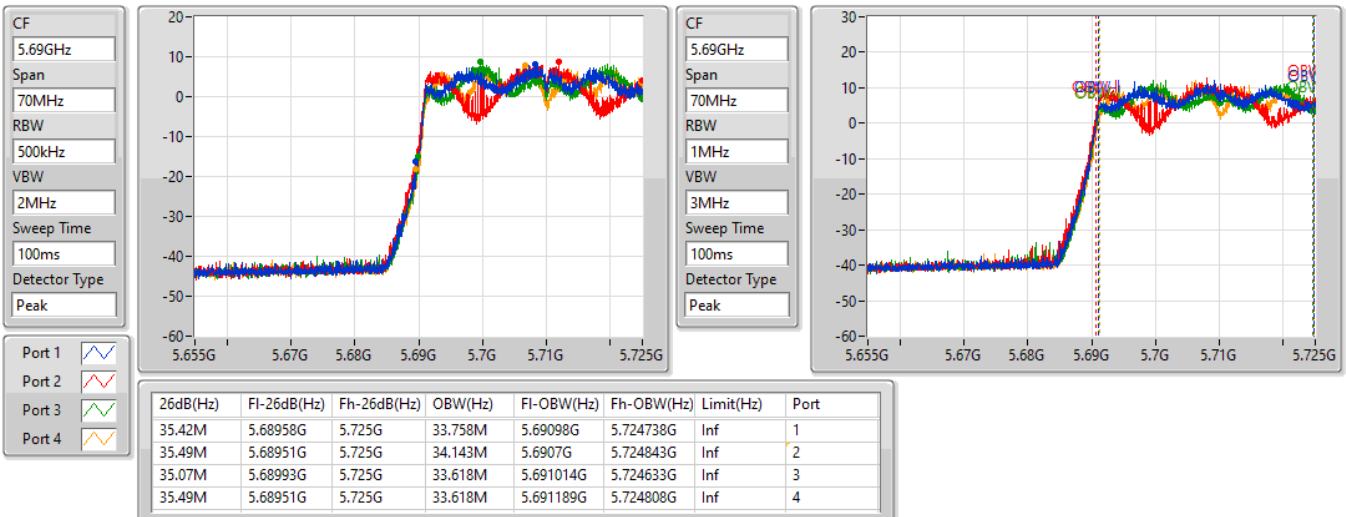


802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

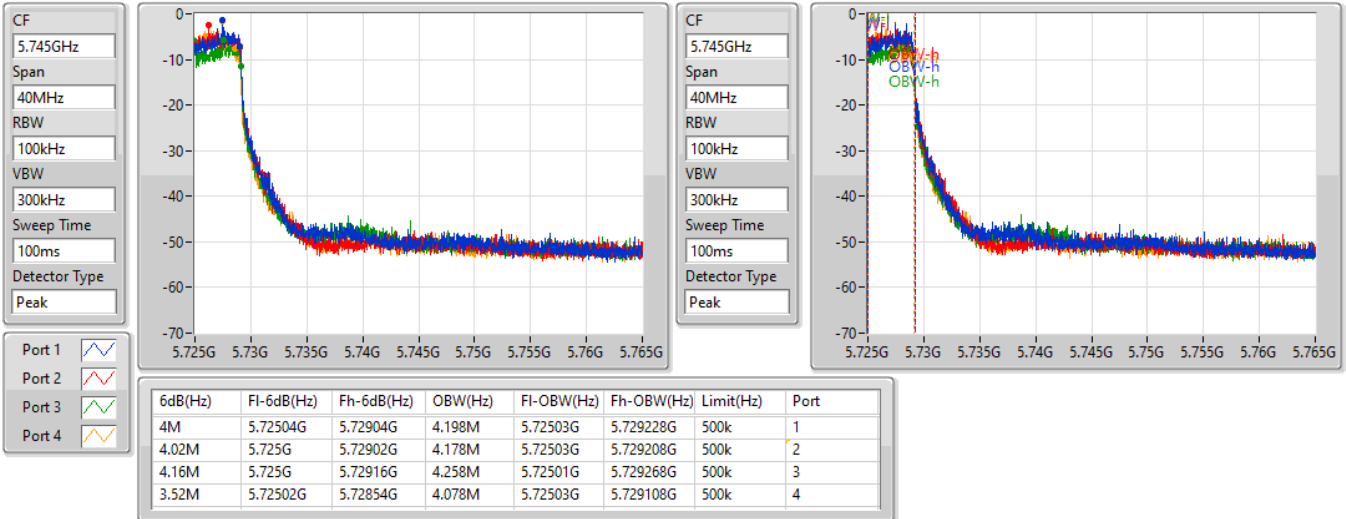
5710MHz Straddle 5.47-5.725GHz

24/08/2021

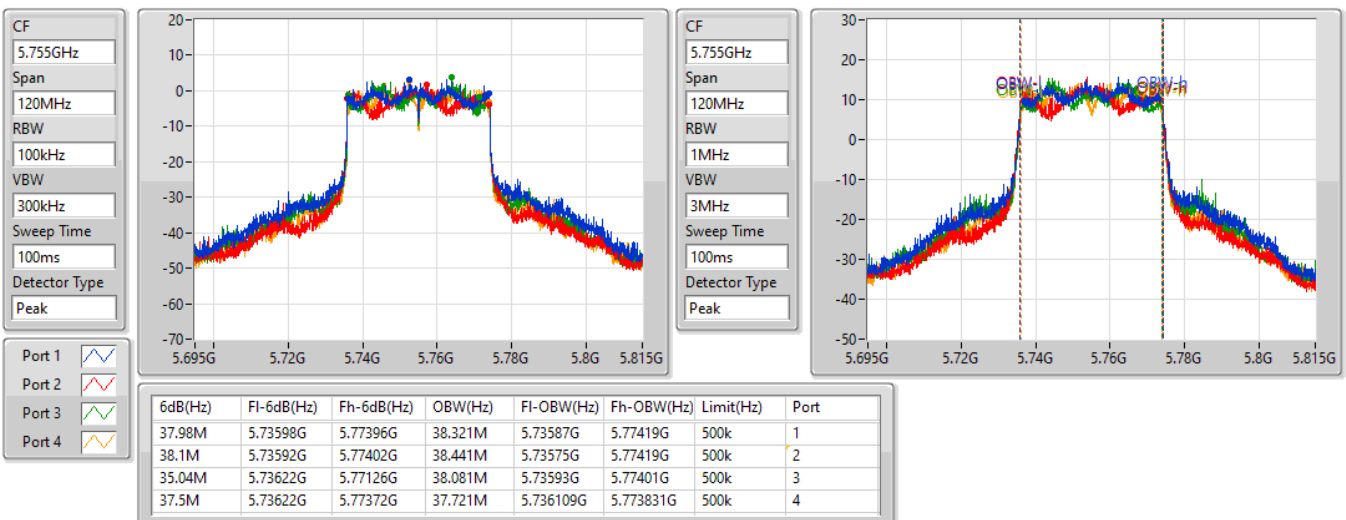


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.725-5.85GHz

24/08/2021

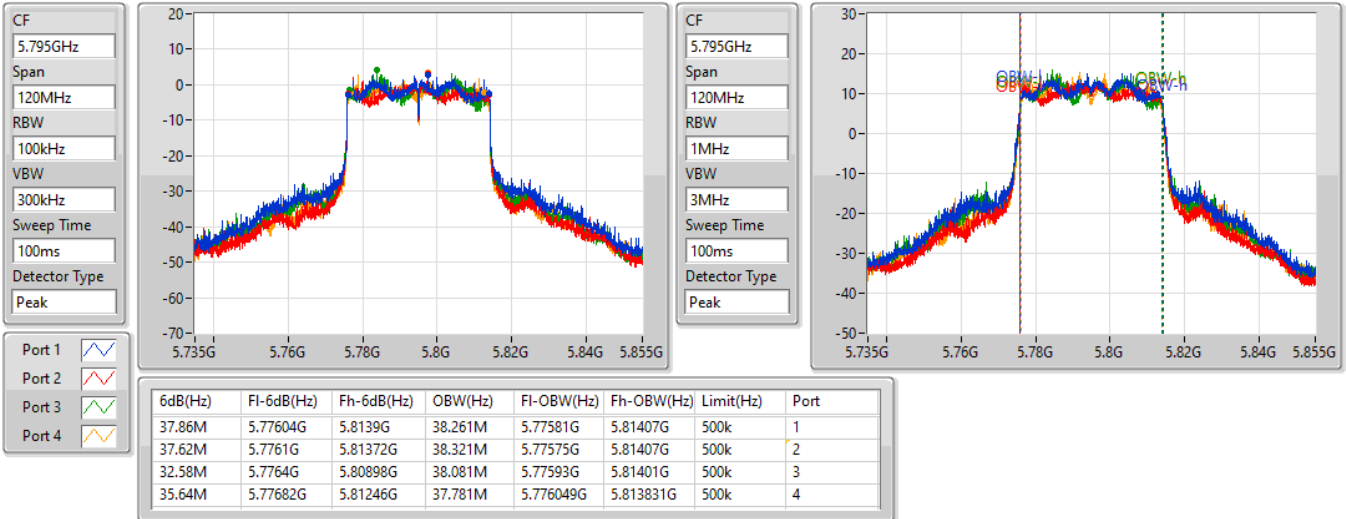

802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5755MHz

24/08/2021

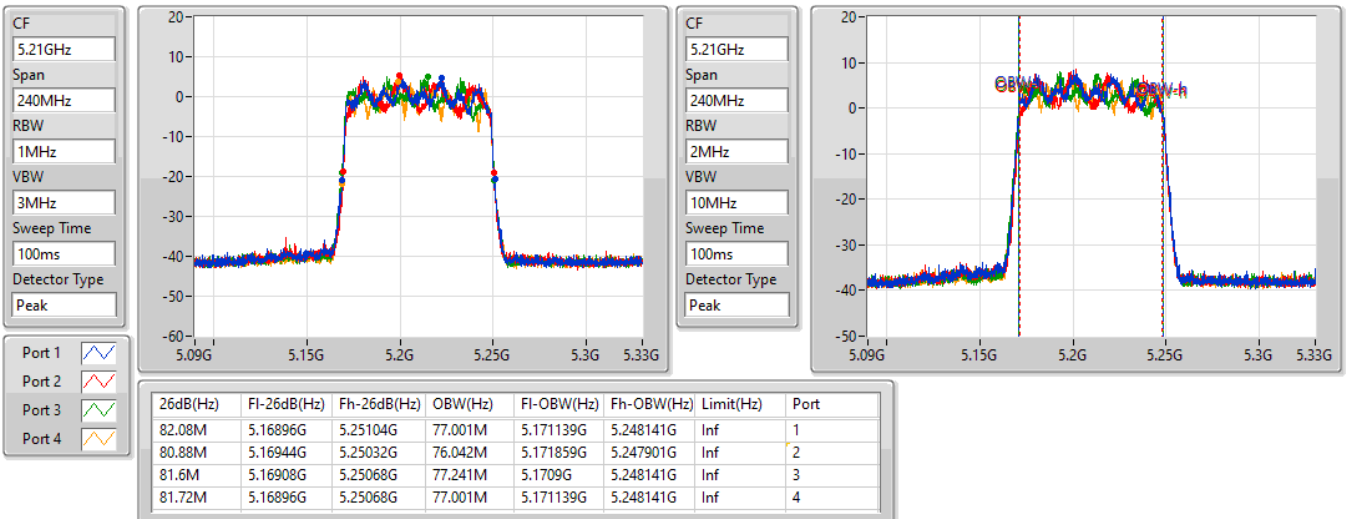


802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5795MHz

24/08/2021


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5210MHz

24/08/2021

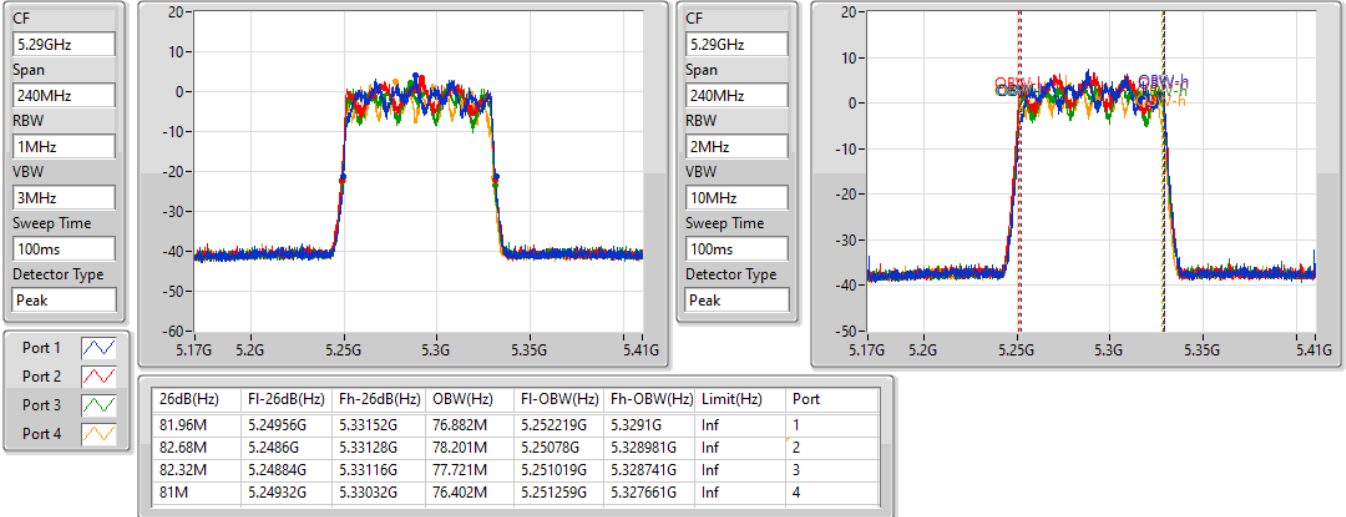


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

24/08/2021

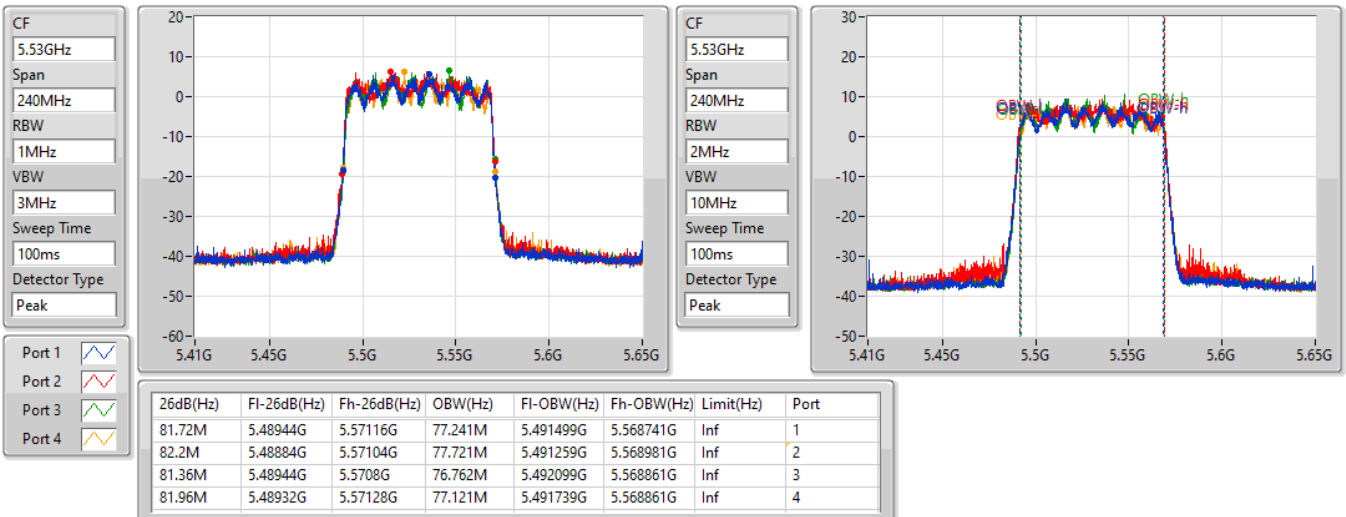


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

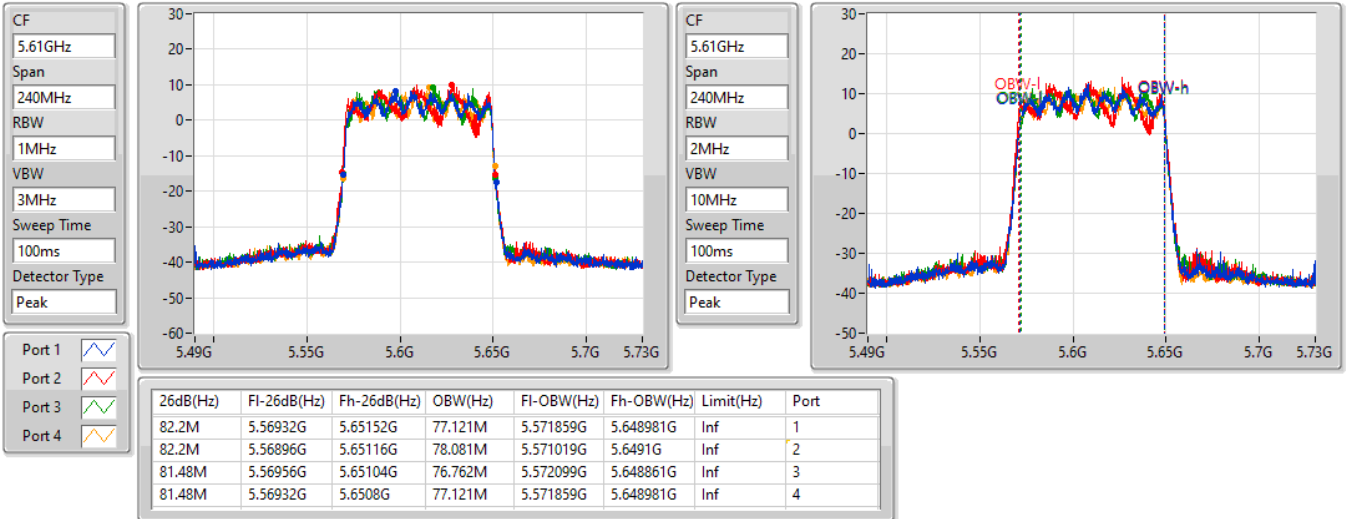
5530MHz

24/08/2021

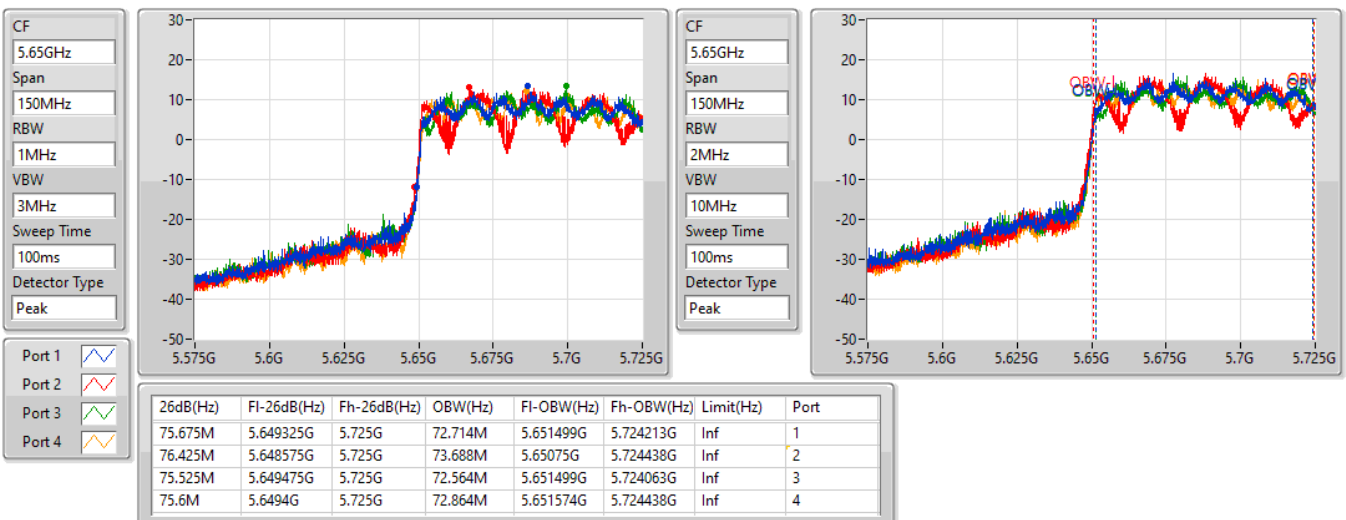


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5610MHz

24/08/2021


802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.47-5.725GHz

24/08/2021

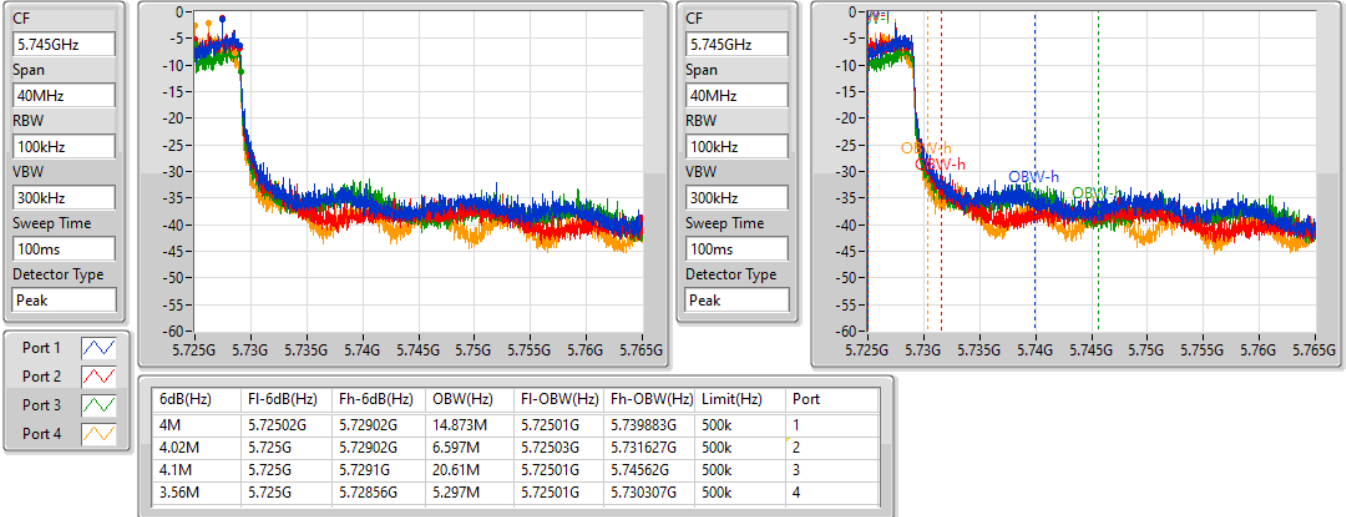


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

24/08/2021

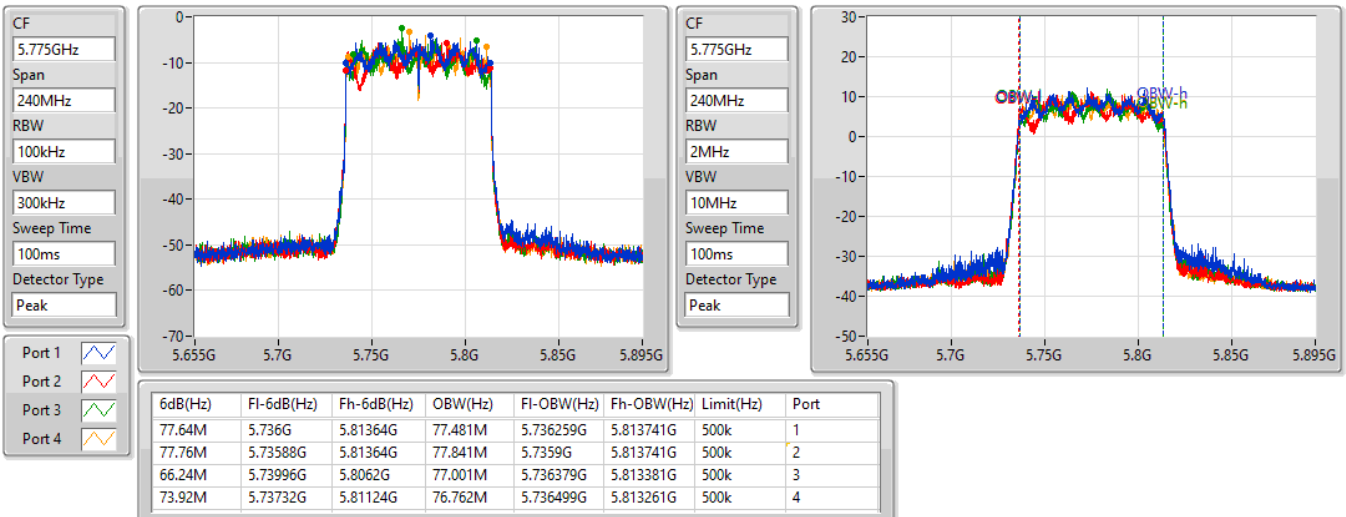


802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

24/08/2021



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.65M	16.462M	16M5D1D	19.38M	16.462M
11a40_Nss1,(6Mbps)_1TX	40.68M	36.462M	36M5D1D	40.5M	36.402M
11a80_Nss1,(6Mbps)_1TX	81.84M	76.042M	76M0D1D	81.84M	76.042M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.48M	18.951M	19M0D1D	21.24M	18.921M
802.11ax HEW40_Nss1,(MCS0)_1TX	41.22M	38.021M	38M0D1D	41.04M	37.901M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.68M	77.361M	77M4D1D	82.68M	77.361M
5.25-5.35GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.5M	16.462M	16M5D1D	19.47M	16.462M
11a40_Nss1,(6Mbps)_1TX	40.68M	36.462M	36M5D1D	40.5M	36.402M
11a80_Nss1,(6Mbps)_1TX	82.32M	76.042M	76M0D1D	82.32M	76.042M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.42M	18.981M	19M0D1D	21.36M	18.921M
802.11ax HEW40_Nss1,(MCS0)_1TX	41.04M	37.961M	38M0D1D	40.8M	37.961M
802.11ax HEW80_Nss1,(MCS0)_1TX	83.04M	77.361M	77M4D1D	83.04M	77.361M
5.47-5.725GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	19.86M	16.492M	16M5D1D	15.3M	13.283M
11a40_Nss1,(6Mbps)_1TX	49.14M	36.762M	36M8D1D	40.32M	33.408M
11a80_Nss1,(6Mbps)_1TX	82.08M	76.042M	76M0D1D	76.725M	72.789M
802.11ax HEW20_Nss1,(MCS0)_1TX	21.63M	18.951M	19M0D1D	15.75M	14.483M
802.11ax HEW40_Nss1,(MCS0)_1TX	42.6M	38.021M	38M0D1D	36.155M	33.968M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.56M	77.481M	77M5D1D	76.8M	73.463M
5.725-5.85GHz	-	-	-	-	-
11a20_Nss1,(6Mbps)_1TX	16.29M	16.792M	16M8D1D	3.14M	3.638M
11a40_Nss1,(6Mbps)_1TX	36M	36.942M	36M9D1D	3.14M	17.551M
11a80_Nss1,(6Mbps)_1TX	74.16M	76.162M	76M2D1D	3.14M	12.854M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.81M	19.1M	19M1D1D	4.46M	4.638M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.98M	38.081M	38M1D1D	3.98M	4.698M
802.11ax HEW80_Nss1,(MCS0)_1TX	76.44M	77.481M	77M5D1D	4.1M	18.511M

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)
11a20_Nss1,(6Mbps)_1TX	-	-	-	-
5180MHz	Pass	Inf	19.65M	16.462M
5200MHz	Pass	Inf	19.5M	16.462M
5240MHz	Pass	Inf	19.38M	16.462M
5260MHz	Pass	Inf	19.47M	16.462M
5300MHz	Pass	Inf	19.47M	16.462M
5320MHz	Pass	Inf	19.5M	16.462M
5500MHz	Pass	Inf	19.56M	16.462M
5580MHz	Pass	Inf	19.68M	16.462M
5700MHz	Pass	Inf	19.86M	16.492M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.3M	13.283M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.638M
5745MHz	Pass	500k	16.29M	16.492M
5785MHz	Pass	500k	16.29M	16.492M
5825MHz	Pass	500k	16.02M	16.792M
11a40_Nss1,(6Mbps)_1TX	-	-	-	-
5190MHz	Pass	Inf	40.68M	36.402M
5230MHz	Pass	Inf	40.5M	36.462M
5270MHz	Pass	Inf	40.68M	36.462M
5310MHz	Pass	Inf	40.5M	36.402M
5510MHz	Pass	Inf	40.32M	36.462M
5550MHz	Pass	Inf	40.68M	36.462M
5670MHz	Pass	Inf	45.72M	36.762M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	49.14M	33.408M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	17.551M
5755MHz	Pass	500k	36M	36.702M
5795MHz	Pass	500k	35.64M	36.942M
11a80_Nss1,(6Mbps)_1TX	-	-	-	-
5210MHz	Pass	Inf	81.84M	76.042M
5290MHz	Pass	Inf	82.32M	76.042M
5530MHz	Pass	Inf	82.08M	76.042M
5610MHz	Pass	Inf	81.72M	76.042M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	72.789M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	12.854M
5775MHz	Pass	500k	74.16M	76.162M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5180MHz	Pass	Inf	21.24M	18.921M
5200MHz	Pass	Inf	21.48M	18.951M
5240MHz	Pass	Inf	21.39M	18.921M
5260MHz	Pass	Inf	21.36M	18.921M
5300MHz	Pass	Inf	21.42M	18.921M
5320MHz	Pass	Inf	21.42M	18.981M
5500MHz	Pass	Inf	21.63M	18.951M
5580MHz	Pass	Inf	21.54M	18.951M
5700MHz	Pass	Inf	21.24M	18.921M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.483M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.638M
5745MHz	Pass	500k	18.72M	18.951M
5785MHz	Pass	500k	18.78M	18.951M
5825MHz	Pass	500k	18.81M	19.1M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5190MHz	Pass	Inf	41.22M	37.901M
5230MHz	Pass	Inf	41.04M	38.021M
5270MHz	Pass	Inf	40.8M	37.961M
5310MHz	Pass	Inf	41.04M	37.961M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
5510MHz	Pass	Inf	40.8M	37.961M
5550MHz	Pass	Inf	41.28M	37.961M
5670MHz	Pass	Inf	42.6M	38.021M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.155M	33.968M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	4.698M
5755MHz	Pass	500k	37.98M	37.961M
5795MHz	Pass	500k	37.14M	38.081M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5210MHz	Pass	Inf	82.68M	77.361M
5290MHz	Pass	Inf	83.04M	77.361M
5530MHz	Pass	Inf	82.32M	77.361M
5610MHz	Pass	Inf	82.56M	77.481M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.8M	73.463M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.1M	18.511M
5775MHz	Pass	500k	76.44M	77.481M

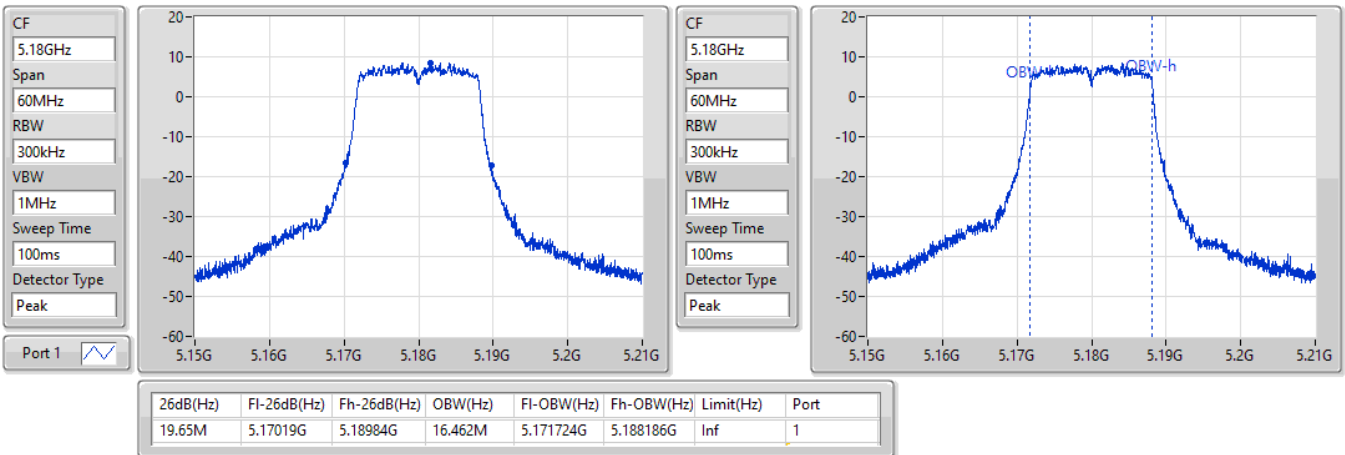
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

11a20_Nss1,(6Mbps)_1TX

EBW

5180MHz

23/08/2021

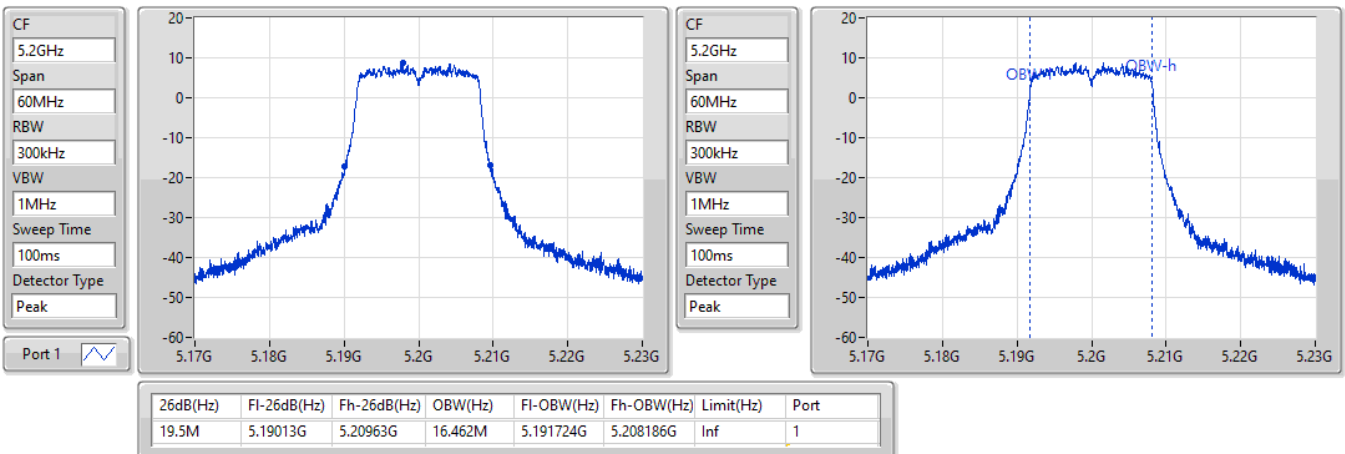


11a20_Nss1,(6Mbps)_1TX

EBW

5200MHz

23/08/2021

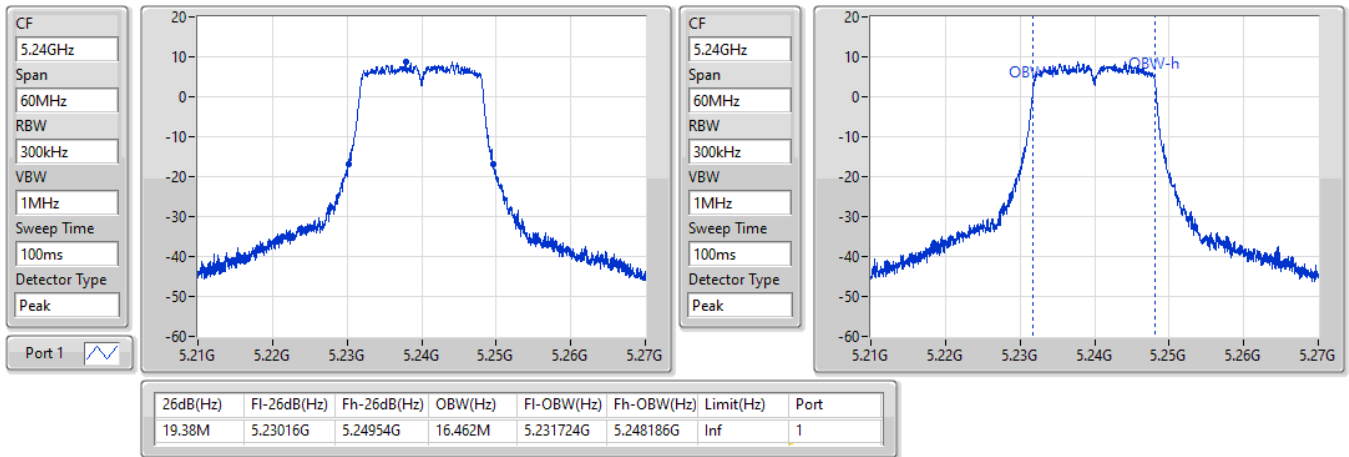


11a20_Nss1,(6Mbps)_1TX

EBW

5240MHz

23/08/2021

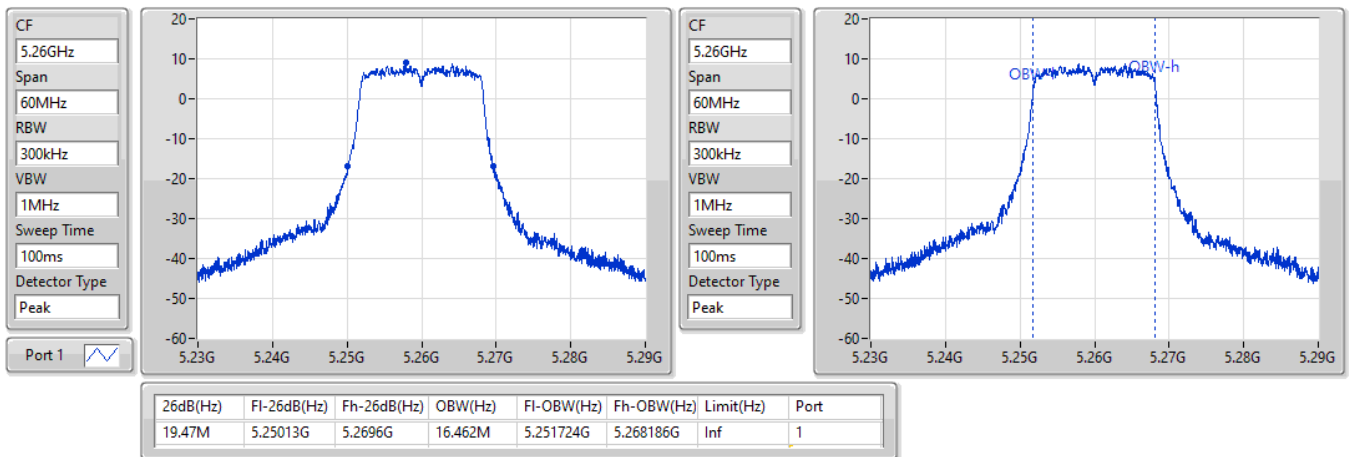


11a20_Nss1,(6Mbps)_1TX

EBW

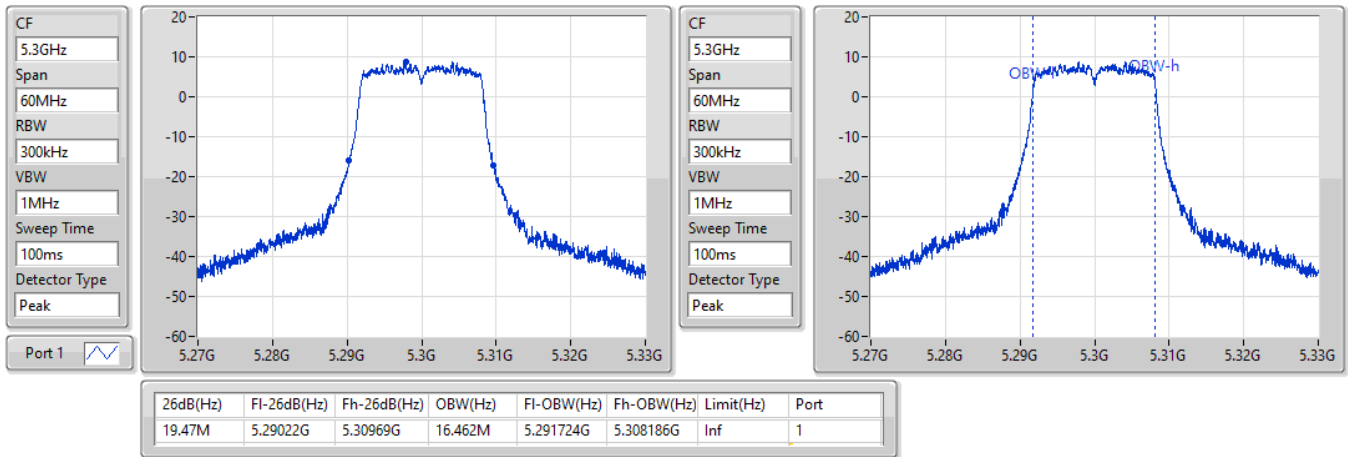
5260MHz

23/08/2021

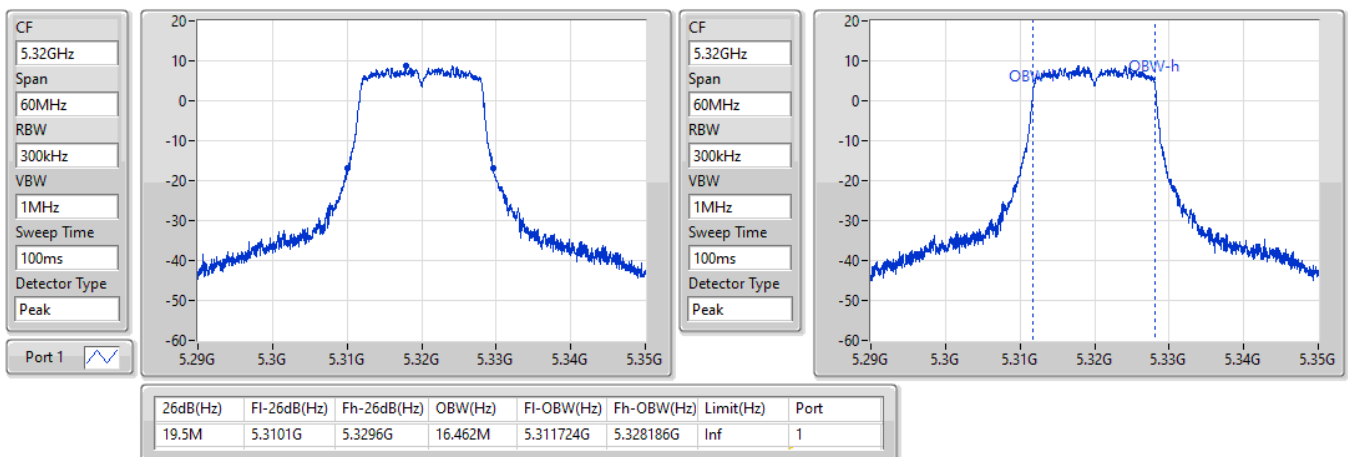


11a20_Nss1,(6Mbps)_1TX
EBW
5300MHz

23/08/2021

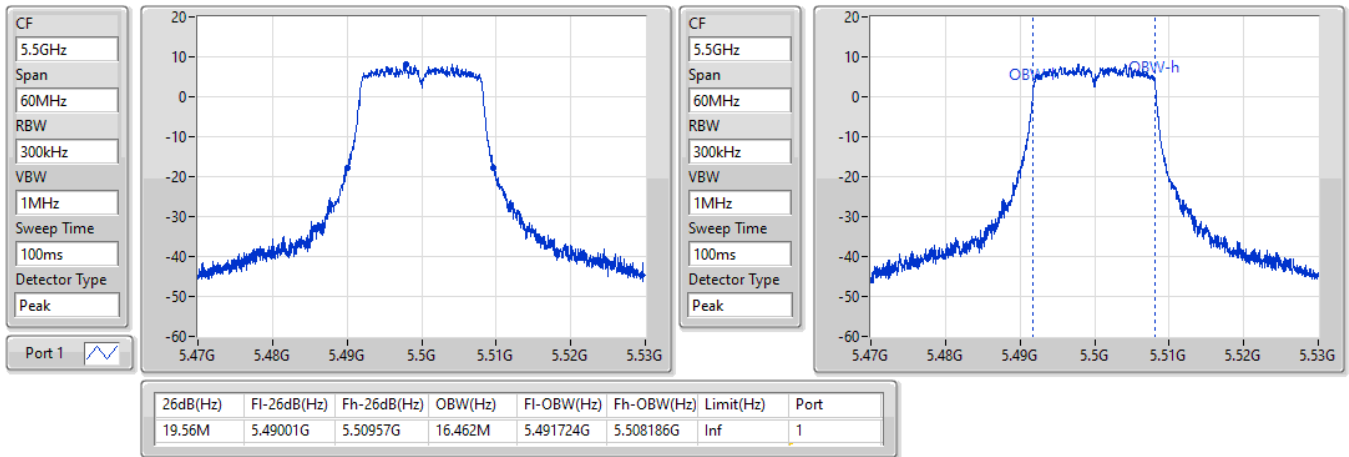

11a20_Nss1,(6Mbps)_1TX
EBW
5320MHz

23/08/2021

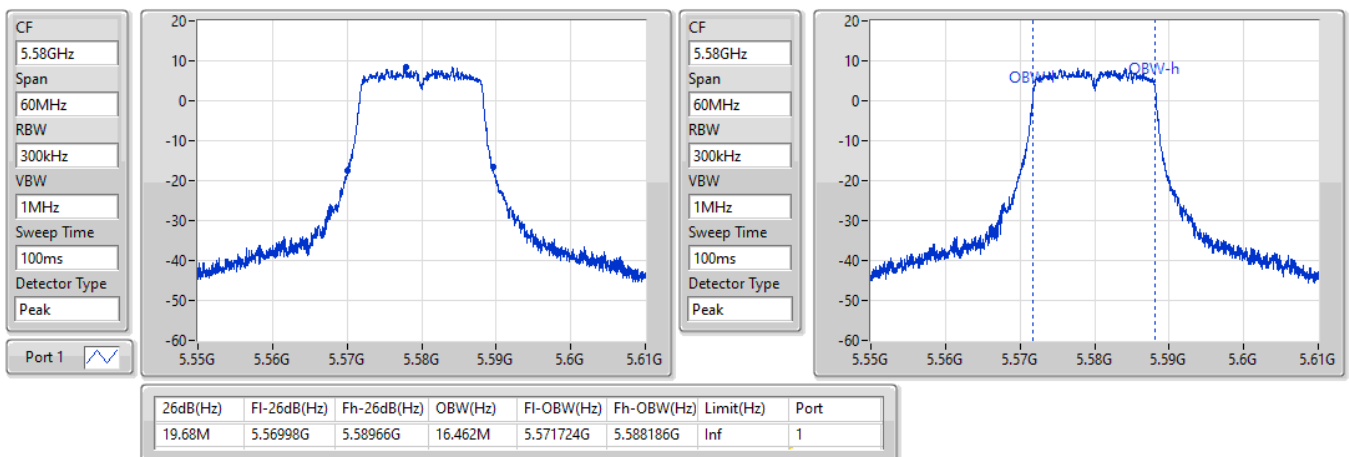


11a20_Nss1,(6Mbps)_1TX
EBW
5500MHz

23/08/2021


11a20_Nss1,(6Mbps)_1TX
EBW
5580MHz

23/08/2021

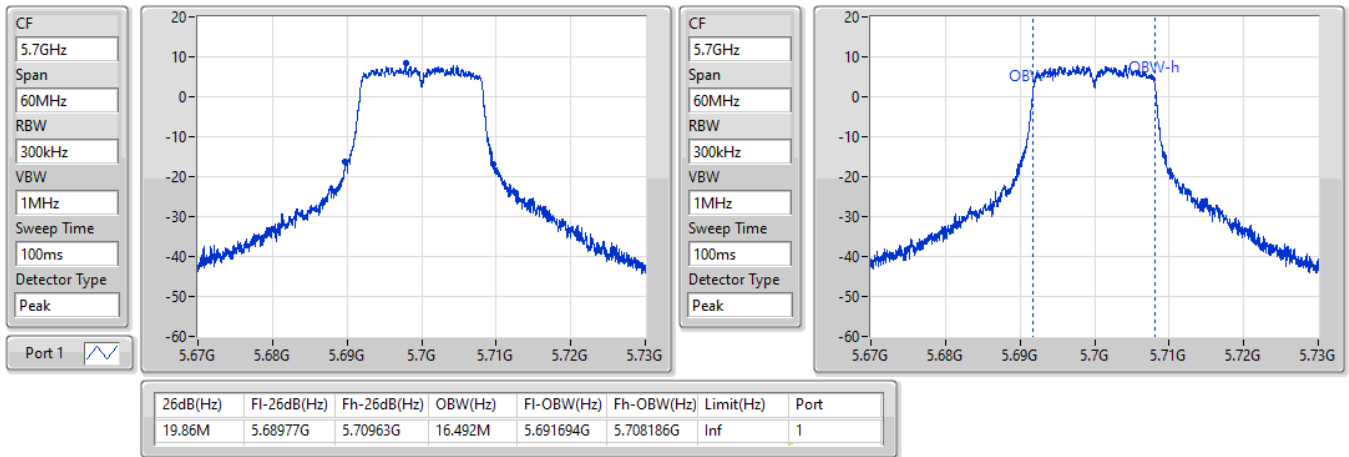


11a20_Nss1,(6Mbps)_1TX

EBW

5700MHz

23/08/2021

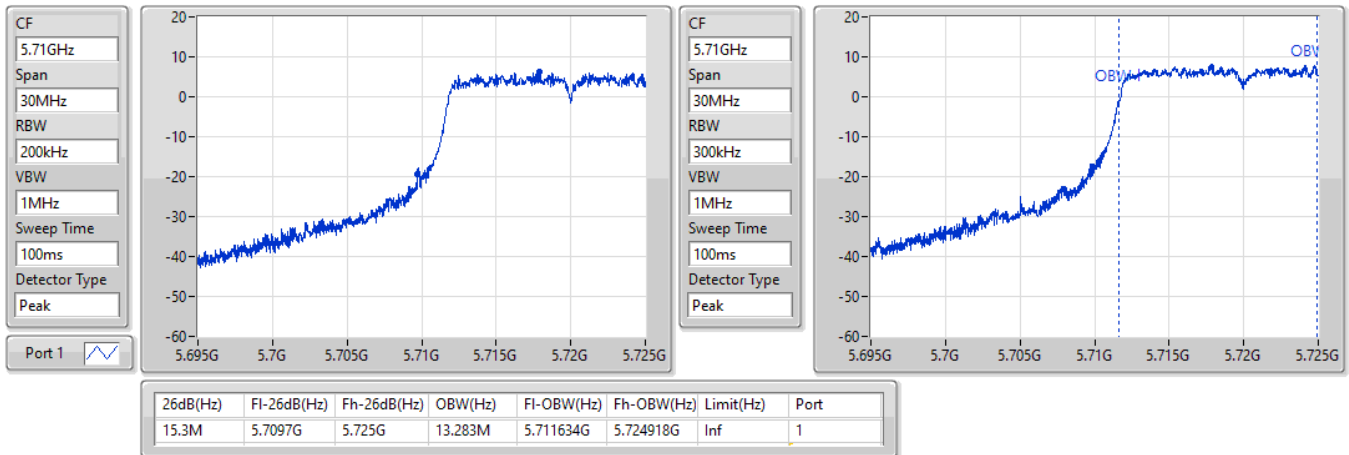


11a20_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.47-5.725GHz

23/08/2021

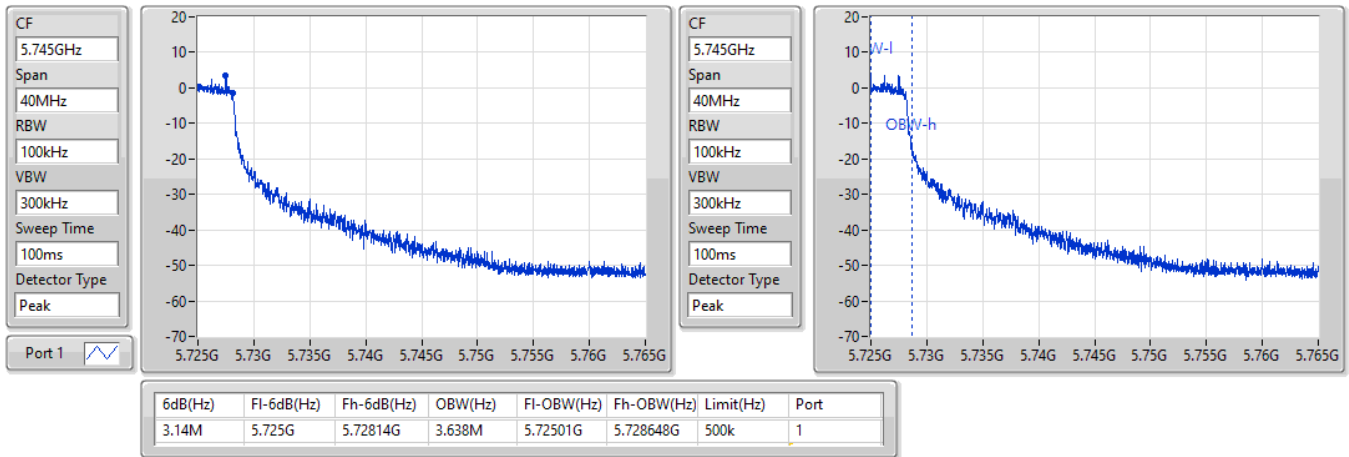


11a20_Nss1,(6Mbps)_1TX

EBW

5720MHz Straddle 5.725-5.85GHz

23/08/2021

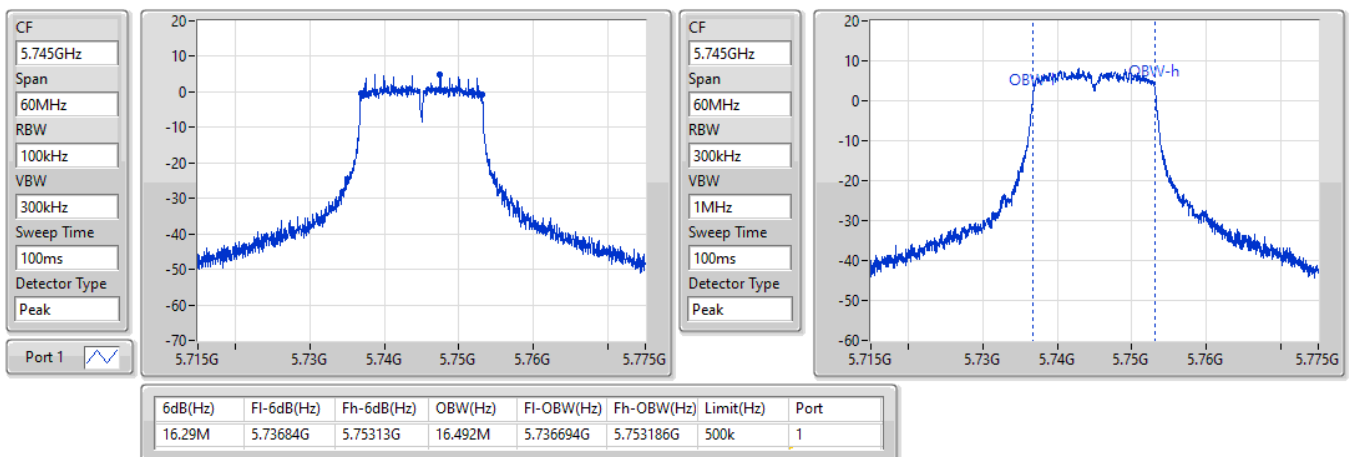


11a20_Nss1,(6Mbps)_1TX

EBW

5745MHz

23/08/2021

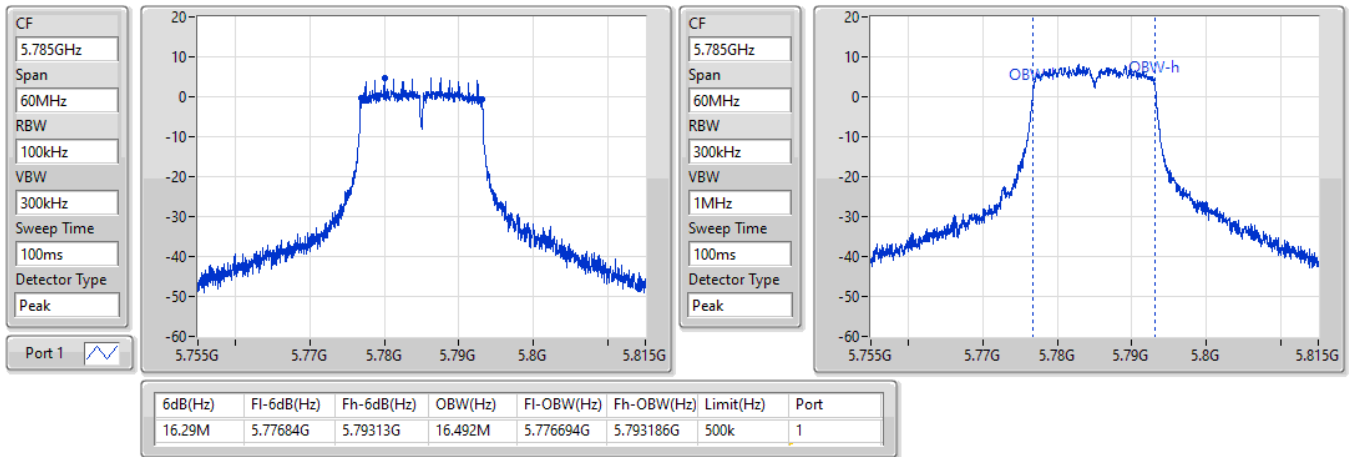


11a20_Nss1,(6Mbps)_1TX

EBW

5785MHz

23/08/2021

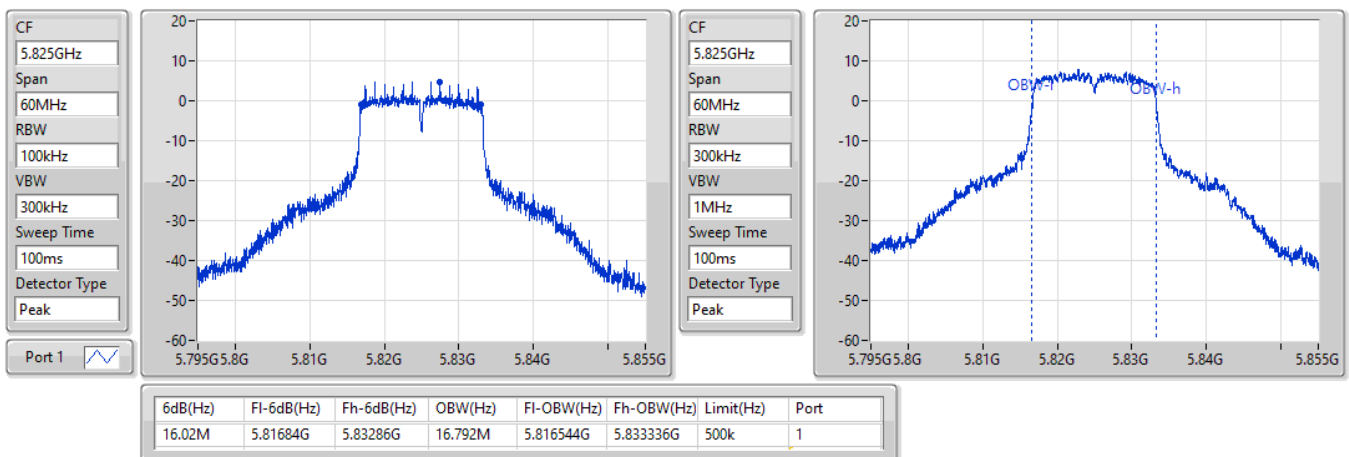


11a20_Nss1,(6Mbps)_1TX

EBW

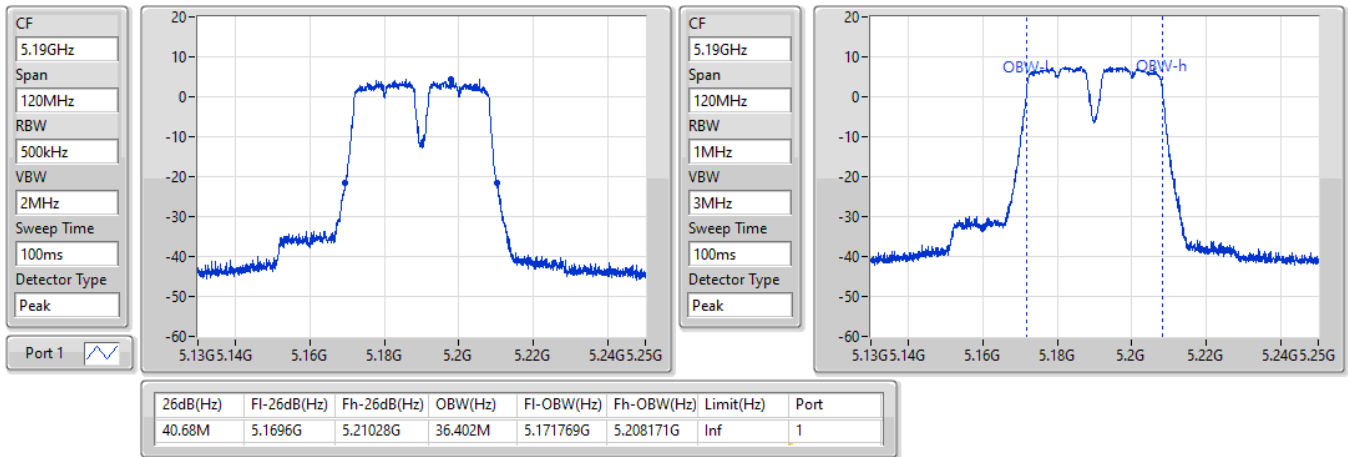
5825MHz

23/08/2021

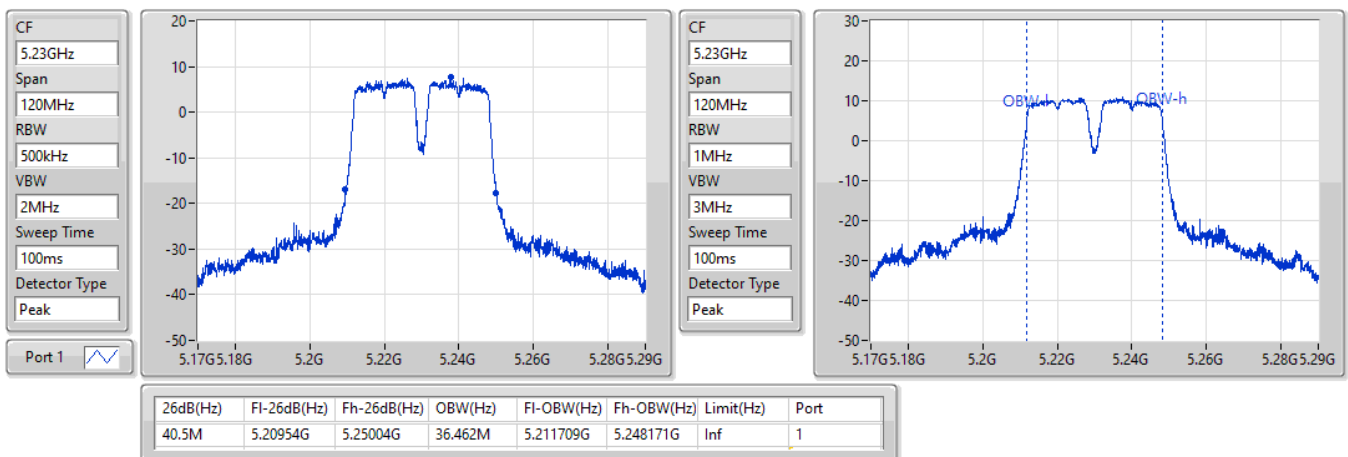


11a40_Nss1,(6Mbps)_1TX
EBW
5190MHz

23/08/2021


11a40_Nss1,(6Mbps)_1TX
EBW
5230MHz

23/08/2021

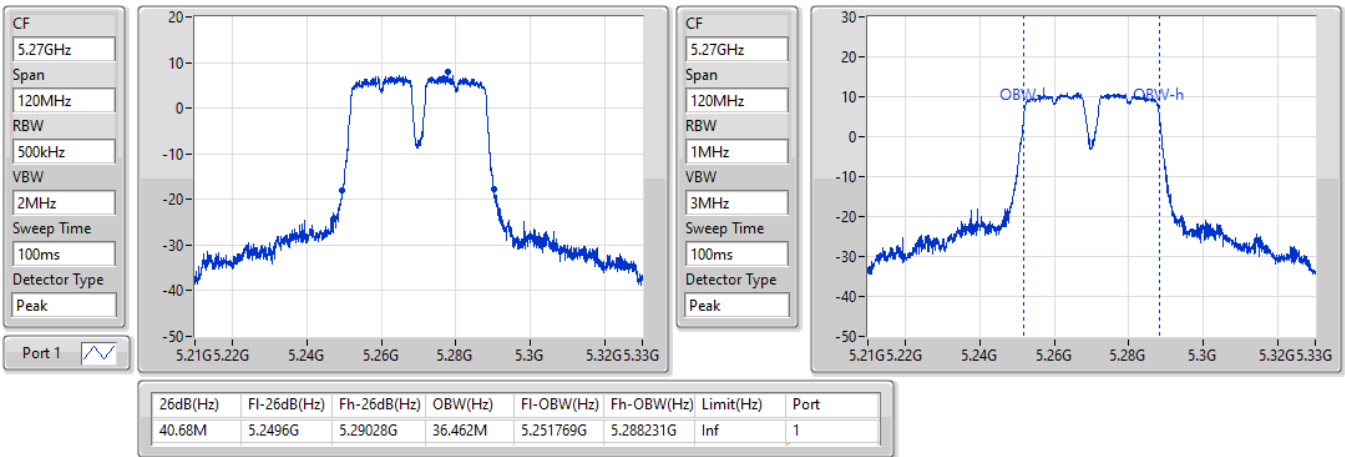


11a40_Nss1,(6Mbps)_1TX

EBW

5270MHz

23/08/2021

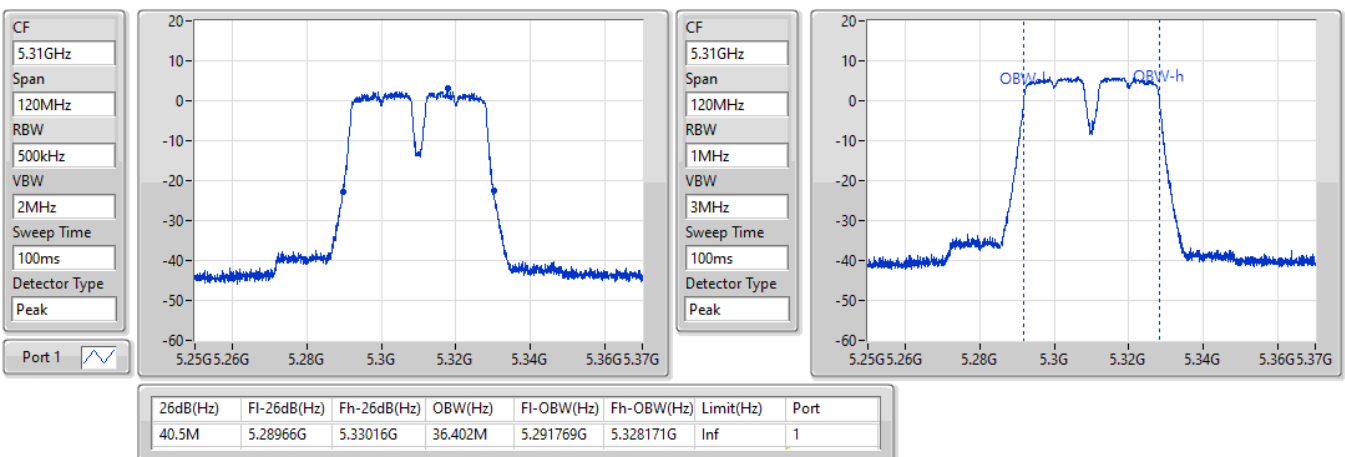


11a40_Nss1,(6Mbps)_1TX

EBW

5310MHz

23/08/2021

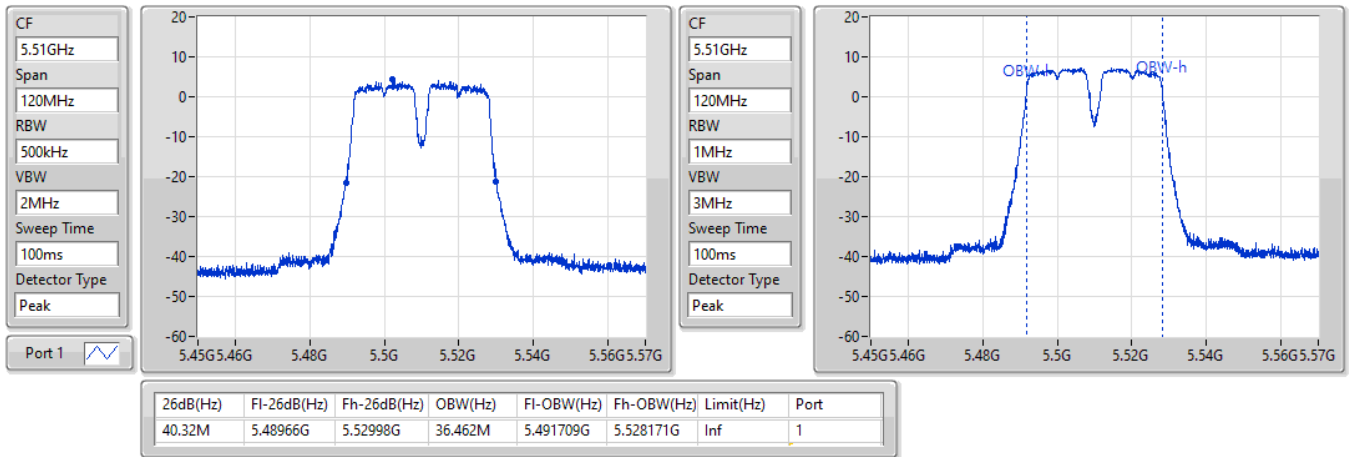


11a40_Nss1,(6Mbps)_1TX

EBW

5510MHz

23/08/2021

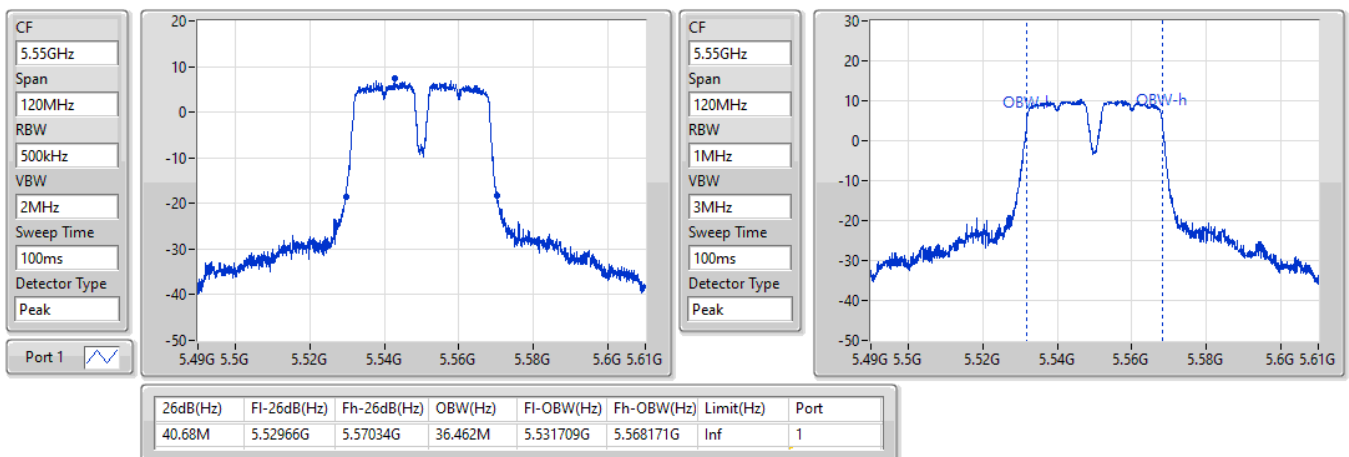


11a40_Nss1,(6Mbps)_1TX

EBW

5550MHz

23/08/2021

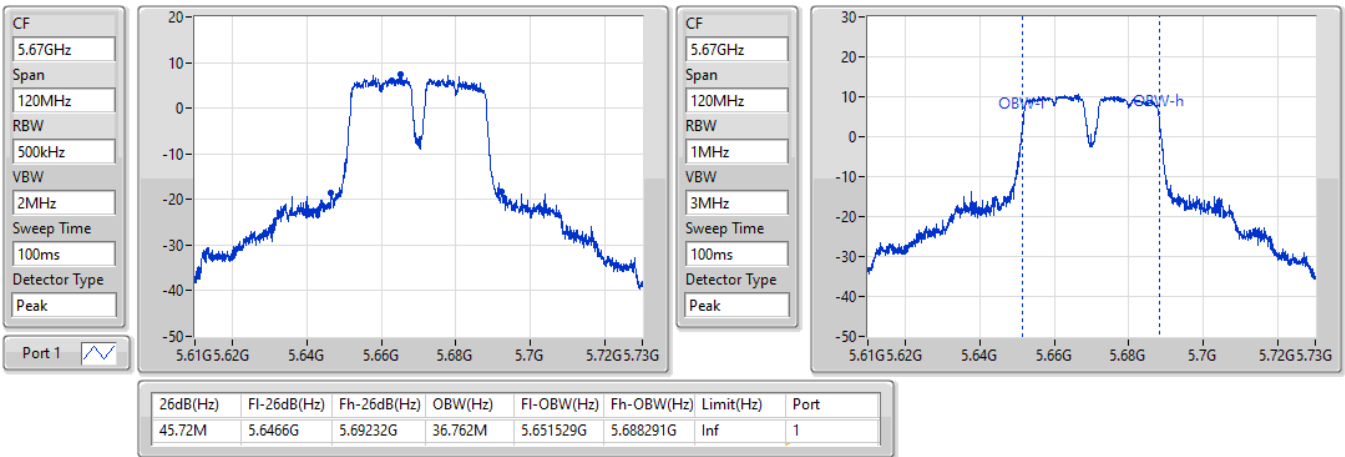


11a40_Nss1,(6Mbps)_1TX

EBW

5670MHz

23/08/2021

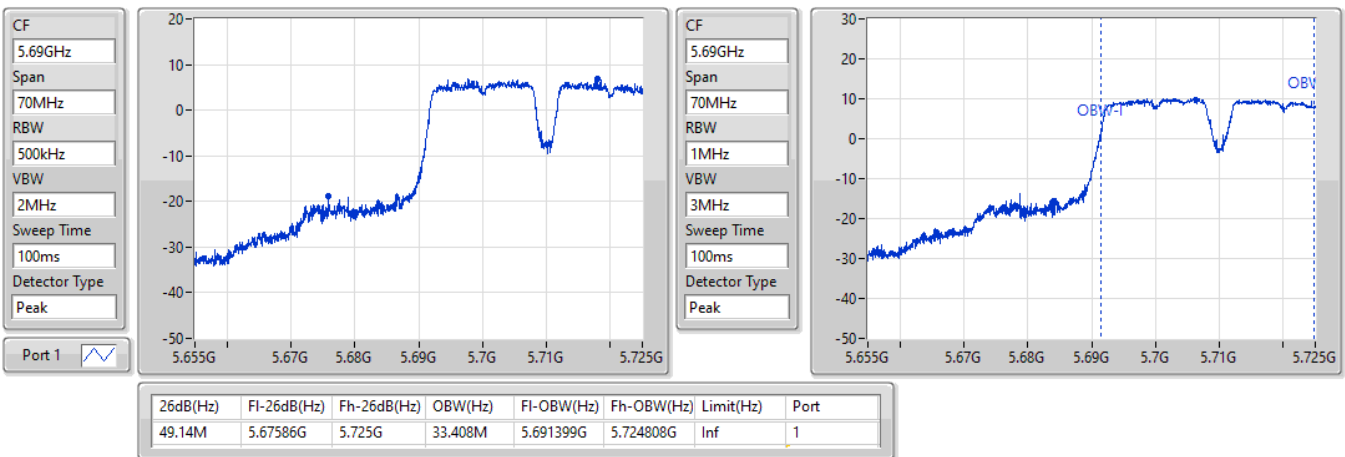


11a40_Nss1,(6Mbps)_1TX

EBW

5710MHz Straddle 5.47-5.725GHz

23/08/2021

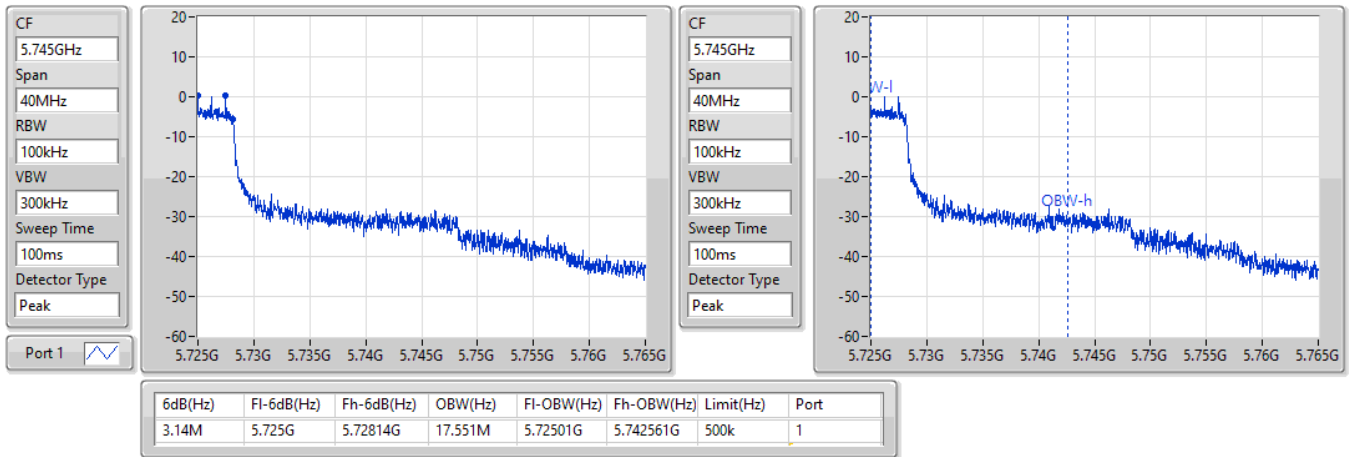


11a40_Nss1,(6Mbps)_1TX

EBW

5710MHz Straddle 5.725-5.85GHz

23/08/2021

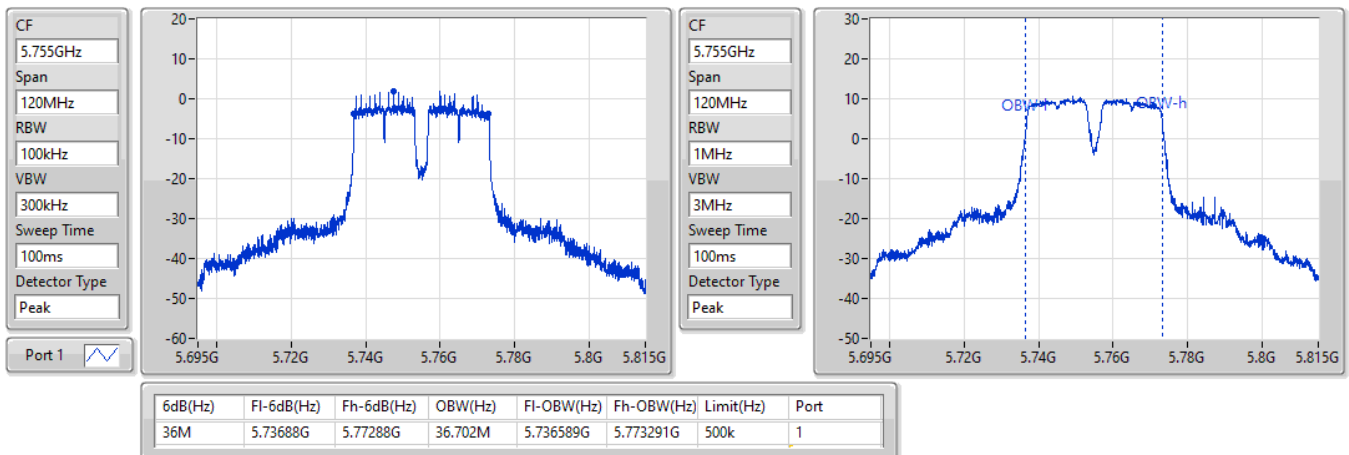


11a40_Nss1,(6Mbps)_1TX

EBW

5755MHz

23/08/2021

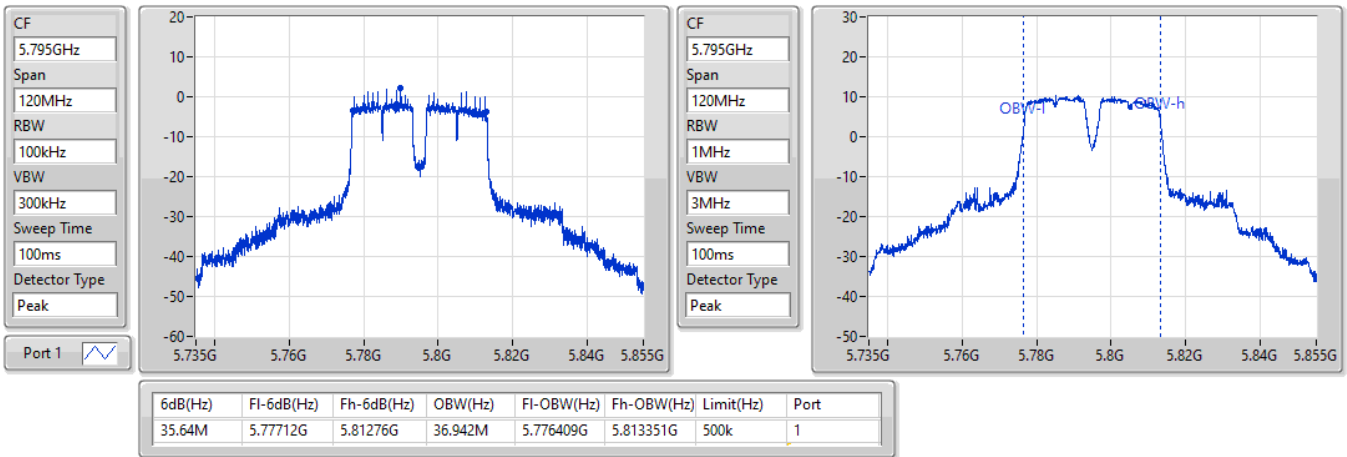


11a40_Nss1,(6Mbps)_1TX

EBW

5795MHz

23/08/2021



11a80_Nss1,(6Mbps)_1TX

EBW

5210MHz

23/08/2021

