

FCC Radio Test Report

FCC ID : Q9DAP27
Equipment : Access Point
Brand Name : aruba 、 Hewlett Packard Enterprise



Model Name : APEX027
Applicant : Hewlett Packard Enterprise Company
6280 America Center Drive San Jose CA 95002, USA
Manufacturer : Hewlett Packard Enterprise Company
6280 America Center Drive San Jose CA 95002, USA
Standard : 47 CFR FCC Part 15.407

The product was received on Aug. 28, 2023, and testing was started from Sep. 02, 2023 and completed on Dec. 30, 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

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



Table of Contents

HISTORY OF THIS TEST REPORT3

SUMMARY OF TEST RESULT4

1 GENERAL DESCRIPTION5

1.1 Information.....5

1.2 Testing Applied Standards10

1.3 Testing Location Information10

1.4 Measurement Uncertainty10

2 TEST CONFIGURATION OF EUT.....11

2.1 Test Channel Mode11

2.2 The Worst Case Measurement Configuration.....19

2.3 Accessories20

2.4 Support Equipment.....20

2.5 Test Setup Diagram21

3 TRANSMITTER TEST RESULT23

3.1 AC Power-line Conducted Emissions23

3.2 Emission Bandwidth.....25

3.3 Maximum Conducted Output Power26

3.4 Peak Power Spectral Density.....28

3.5 Unwanted Emissions.....30

4 TEST EQUIPMENT AND CALIBRATION DATA.....34

APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS

APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH

APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER

APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY

APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS

APPENDIX F. TEST RESULTS OF RADIATED EMISSION CO-LOCATION

APPENDIX G. TEST PHOTOS

PHOTOGRAPHS OF EUT V02



Summary of Test Result

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

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and explanations:

None

Reviewed by: Barry Hsiao

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax(HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax(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	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]

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



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11ac VHT20	20	2TX
5.725-5.85GHz	802.11ac VHT20	20	2TX
5.15-5.25GHz	802.11ac VHT40	40	2TX
5.25-5.35GHz	802.11ac VHT40	40	2TX
5.47-5.725GHz	802.11ac VHT40	40	2TX
5.725-5.85GHz	802.11ac VHT40	40	2TX
5.15-5.25GHz	802.11ac VHT80	80	2TX
5.25-5.35GHz	802.11ac VHT80	80	2TX
5.47-5.725GHz	802.11ac VHT80	80	2TX
5.725-5.85GHz	802.11ac VHT80	80	2TX
5.15-5.25GHz	802.11ax HEW20	20	2TX
5.25-5.35GHz	802.11ax HEW20	20	2TX
5.47-5.725GHz	802.11ax HEW20	20	2TX
5.725-5.85GHz	802.11ax HEW20	20	2TX
5.15-5.25GHz	802.11ax HEW40	40	2TX
5.25-5.35GHz	802.11ax HEW40	40	2TX
5.47-5.725GHz	802.11ax HEW40	40	2TX
5.725-5.85GHz	802.11ax HEW40	40	2TX
5.15-5.25GHz	802.11ax HEW80	80	2TX
5.25-5.35GHz	802.11ax HEW80	80	2TX
5.47-5.725GHz	802.11ax HEW80	80	2TX
5.725-5.85GHz	802.11ax HEW80	80	2TX

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, modulation.
- BWch is the nominal channel bandwidth.



1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	Aruba	Ant1_V	Dipole antenna	MMCX
2	Aruba	Ant2_H	Dipole antenna	MMCX

Ant.	Port	Gain (dBi)	
		2.4G	5G
1	1	2.53	2.58
2	2	3.0	3.37

Ant.	Port	5G Band1 peak gain above 30 degrees	
		5G	
1-2	1-2	2.83	

Note 1: The EUT has two antennas.

Note 2: The antenna is cross polarized.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

Note 3: Refer to the KDB 662911 D02 MIMO with Cross-Polarized Antennas v01

For CDD Mode signal with MIMO Cross Polarized Antenna, Correlation for PSD, no correlation for Power.

- Channel power (Conducted) = Chain A (Power) + Chain B (Power)
- Channel power EIRP = Highest Horizontal or Vertical Power EIRP
- PSD Conducted = Chain A (PSD) + Chain B (PSD)
- PSD EIRP = Horizontal PSD EIRP + Vertical PSD EIRP



1.1.3 EUT Information

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



1.1.4 Mode Test Duty Cycle

< Indoor >

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.951	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.906	0.43	945u	3k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss1,(MCS0)_2TX	0.97	0.13	953.125u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.941	0.26	460.625u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.962	0.17	780.625u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	413.75u	3k

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

< Outdoor >

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_2TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.951	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.906	0.43	945u	3k
802.11ac VHT20_Nss1,(MCS0)_2TX	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ac VHT40_Nss1,(MCS0)_2TX	0.97	0.13	953.125u	3k
802.11ac VHT80_Nss1,(MCS0)_2TX	0.941	0.26	460.625u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.962	0.17	780.625u	3k
802.11ax HEW80_Nss1,(MCS0)_2TX	0.929	0.32	413.75u	3k

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 414788 D01 v01r01
- ♦ KDB 662911 D02 v01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Wayne Chiu	22.3~24.6°C / 54~ 57%	12/Sep/2023
RF Conducted_Indoor	TH01-HY	Peng Huang	21.3~23.8°C / 50~56%	05/Sep/2023~13/Nov/2023
RF Conducted_Outdoor	TH01-HY	Jin Jing	21.3~23.1°C / 50~51%	05/Sep/2023~24/Oct/2023
Radiated (Below 1GHz)	03CH03-HY	Daniel Lin	20.9~23.1°C / 63~69%	30/Dec/2023
Radiated (Above 1GHz)	03CH02-HY	Daniel Lin	24.5~25.1°C / 59~68%	02/Sep/2023~09/Sep/2023
<input checked="" type="checkbox"/>	Wenhua 3rd. (TAF: 3785)	ADD: No. 58, Aly. 75, Ln. 564, Wenhua 3rd Rd., Guishan Dist. Taoyuan City 333, Taiwan (R.O.C.)		
		TEL: 886-3-327-0868		
Test site Designation No. TW0036 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Co-Location)	03CH24-HY	Henry Ho	23.9~24.8°C / 57~67%	15/Sep/2023

1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	accessMTool_3_3_0_4
-----------------------	---------------------

< Indoor >

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	96
5200MHz	108
5240MHz	108
5260MHz	80
5300MHz	80
5320MHz	81
5500MHz	81
5580MHz	81
5700MHz	79
5720MHz Straddle 5.47-5.725GHz	79
5720MHz Straddle 5.725-5.85GHz	79
5745MHz	106
5785MHz	106
5825MHz	108
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	94
5200MHz	108
5240MHz	108
5260MHz	80
5300MHz	81
5320MHz	81
5500MHz	82
5580MHz	83
5700MHz	79
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	106
5785MHz	107



Mode	Power Setting
5825MHz	108
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	82
5230MHz	102
5270MHz	81
5310MHz	81
5510MHz	76
5550MHz	82
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	83
5710MHz Straddle 5.725-5.85GHz	83
5755MHz	100
5795MHz	106
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	94
5200MHz	108
5240MHz	108
5260MHz	79
5300MHz	80
5320MHz	81
5500MHz	82
5580MHz	82
5700MHz	77
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	106
5785MHz	107
5825MHz	107
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	102
5270MHz	80
5310MHz	82
5510MHz	81
5550MHz	82
5670MHz	81



Mode	Power Setting
5710MHz Straddle 5.47-5.725GHz	82
5710MHz Straddle 5.725-5.85GHz	82
5755MHz	99
5795MHz	105
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	79
5290MHz	82
5530MHz	76
5610MHz	82
5690MHz Straddle 5.47-5.725GHz	83
5690MHz Straddle 5.725-5.85GHz	83
5775MHz	86
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	91
5200MHz	107
5240MHz	108
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	82
5580MHz	82
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	79
5720MHz Straddle 5.725-5.85GHz	79
5745MHz	104
5785MHz	105
5825MHz	106
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	80
5230MHz	101
5270MHz	81
5310MHz	81
5510MHz	79
5550MHz	83
5670MHz	81
5710MHz Straddle 5.47-5.725GHz	81



Mode	Power Setting
5710MHz Straddle 5.725-5.85GHz	81
5755MHz	100
5795MHz	104
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	79
5290MHz	81
5530MHz	79
5610MHz	82
5690MHz Straddle 5.47-5.725GHz	82
5690MHz Straddle 5.725-5.85GHz	82
5775MHz	85



< Outdoor >

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5180MHz	72
5200MHz	72
5240MHz	72
5260MHz	80
5300MHz	80
5320MHz	81
5500MHz	81
5580MHz	81
5700MHz	79
5720MHz Straddle 5.47-5.725GHz	79
5720MHz Straddle 5.725-5.85GHz	79
5745MHz	106
5785MHz	106
5825MHz	79
802.11n HT20_Nss1,(MCS0)_2TX	-
5180MHz	72
5200MHz	72
5240MHz	72
5260MHz	80
5300MHz	81
5320MHz	81
5500MHz	82
5580MHz	83
5700MHz	79
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	106
5785MHz	107
5825MHz	108
802.11n HT40_Nss1,(MCS0)_2TX	-
5190MHz	72
5230MHz	72
5270MHz	81
5310MHz	81



Mode	Power Setting
5510MHz	76
5550MHz	82
5670MHz	82
5710MHz Straddle 5.47-5.725GHz	83
5710MHz Straddle 5.725-5.85GHz	83
5755MHz	100
5795MHz	106
802.11ac VHT20_Nss1,(MCS0)_2TX	-
5180MHz	72
5200MHz	72
5240MHz	72
5260MHz	79
5300MHz	80
5320MHz	81
5500MHz	82
5580MHz	82
5700MHz	77
5720MHz Straddle 5.47-5.725GHz	80
5720MHz Straddle 5.725-5.85GHz	80
5745MHz	106
5785MHz	107
5825MHz	107
802.11ac VHT40_Nss1,(MCS0)_2TX	-
5190MHz	71
5230MHz	71
5270MHz	80
5310MHz	82
5510MHz	81
5550MHz	82
5670MHz	81
5710MHz Straddle 5.47-5.725GHz	82
5710MHz Straddle 5.725-5.85GHz	82
5755MHz	99
5795MHz	105
802.11ac VHT80_Nss1,(MCS0)_2TX	-
5210MHz	73



Mode	Power Setting
5290MHz	82
5530MHz	76
5610MHz	82
5690MHz Straddle 5.47-5.725GHz	83
5690MHz Straddle 5.725-5.85GHz	83
5775MHz	86
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5180MHz	70
5200MHz	71
5240MHz	71
5260MHz	80
5300MHz	80
5320MHz	80
5500MHz	82
5580MHz	82
5700MHz	69
5720MHz Straddle 5.47-5.725GHz	79
5720MHz Straddle 5.725-5.85GHz	79
5745MHz	104
5785MHz	105
5825MHz	106
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5190MHz	71
5230MHz	71
5270MHz	81
5310MHz	81
5510MHz	79
5550MHz	83
5670MHz	81
5710MHz Straddle 5.47-5.725GHz	81
5710MHz Straddle 5.725-5.85GHz	81
5755MHz	100
5795MHz	104
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5210MHz	71
5290MHz	81






Mode	Power Setting
5530MHz	79
5610MHz	82
5690MHz Straddle 5.47-5.725GHz	82
5690MHz Straddle 5.725-5.85GHz	82
5775MHz	85

2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE Mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	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	CTX
1	WLAN 2.4GHz+WLAN 5GHz
Refer to Sporton Test Report No.: FA042903-02 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	



2.3 Accessories

Accessories				
PoE	Brand Name	Aruba	Model Name	ADH-30CR BB
	Manufacturer	DELTA ELECTRONICS INC.	SN	-
	Power Rating	I/P: 100-240 Vac, 1.0 A, O/P: 55.0 Vdc, 0.55 A		

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

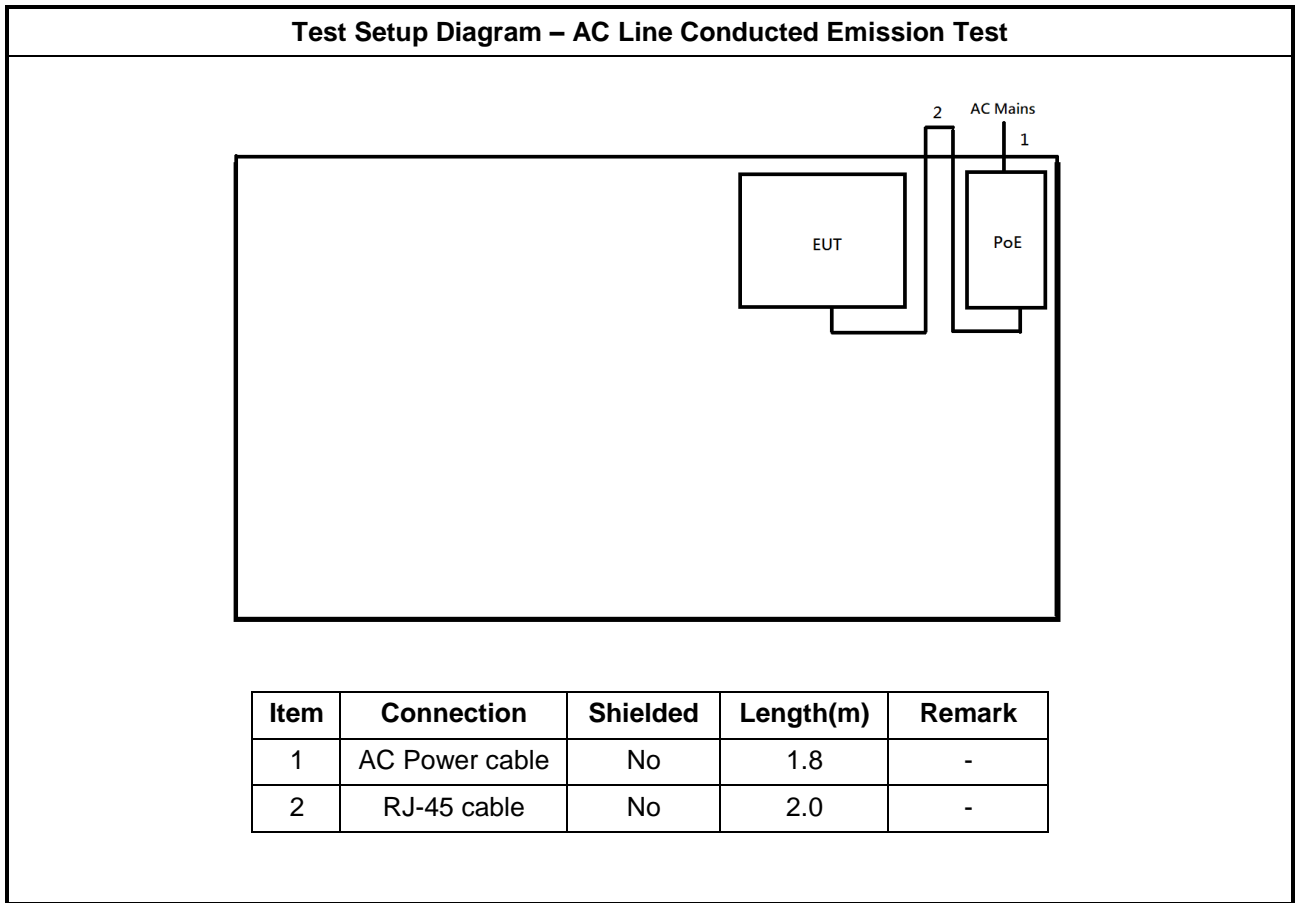
2.4 Support Equipment

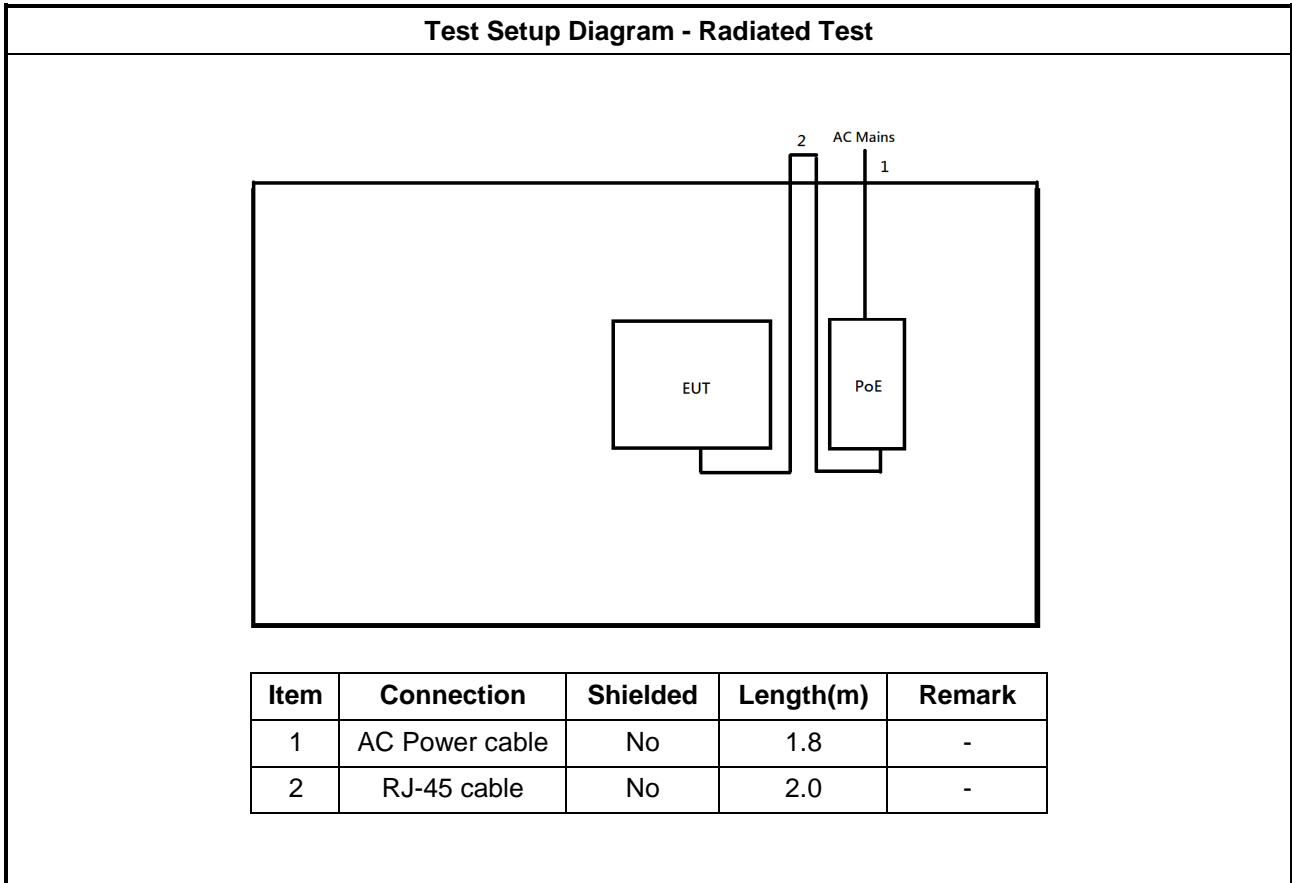
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	RJ-45 Cable	C65B2FLW	RJ45 cable	-	-

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

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power Cable	Power Sync	PW-GPC180-3	-	-
2	RJ-45 Cable	C65B2FLW	RJ45 cable	-	-

2.5 Test Setup Diagram







3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

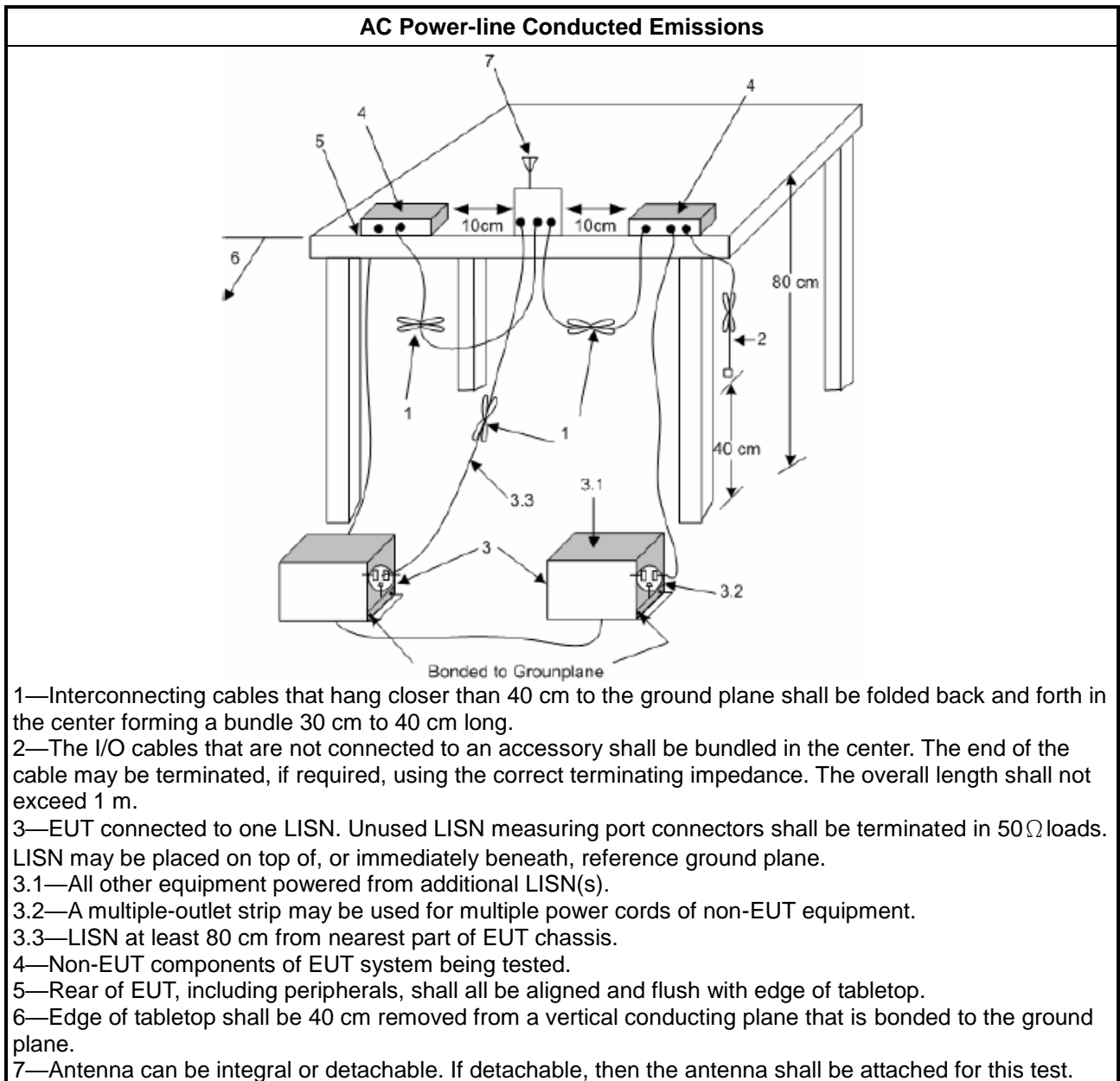
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

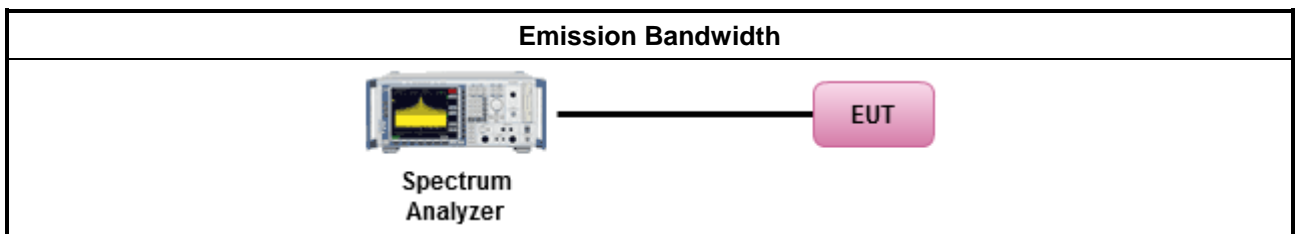
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
<input checked="" type="checkbox"/> For the 5.15-5.25 GHz band:	
	<ul style="list-style-type: none"> ▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees $\leq 125mW$ [21dBm]
	<ul style="list-style-type: none"> ▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	<ul style="list-style-type: none"> ▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$.
	<ul style="list-style-type: none"> ▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
<input checked="" type="checkbox"/> For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.	
<input checked="" type="checkbox"/> For the 5.725-5.85 GHz band:	
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$.
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

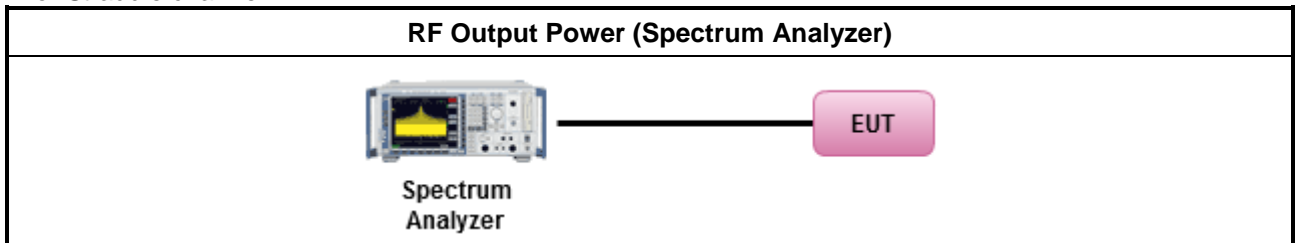
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

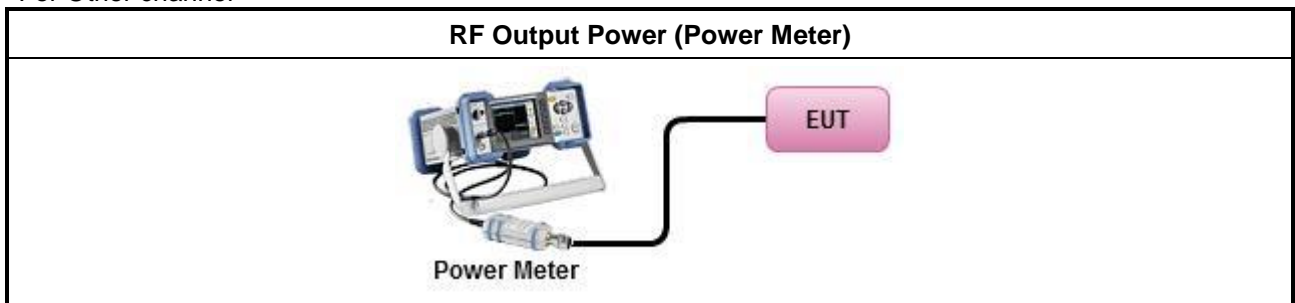
Test Method	
<ul style="list-style-type: none"> Maximum Conducted Output Power 	
	Duty cycle \geq 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $<$ 98%
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause E Method PM (using an RF average power meter).
<ul style="list-style-type: none"> For conducted measurement. 	
	<ul style="list-style-type: none"> If the EUT supports multiple transmit chains using options given below: Refer as KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.
	<ul style="list-style-type: none"> If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

For Straddle channel



For Other channel



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C



3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

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

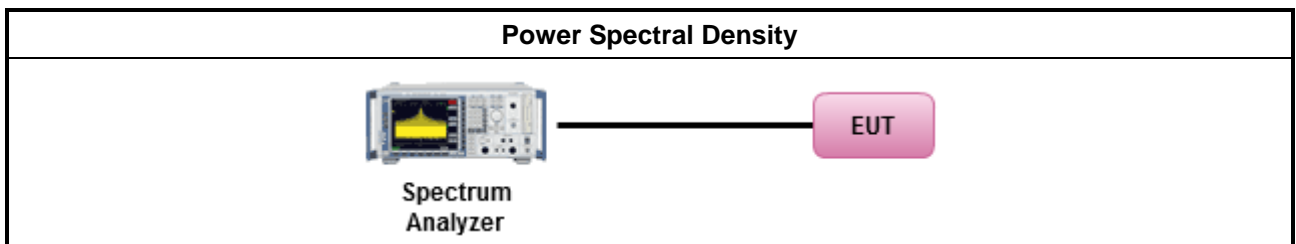
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

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

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

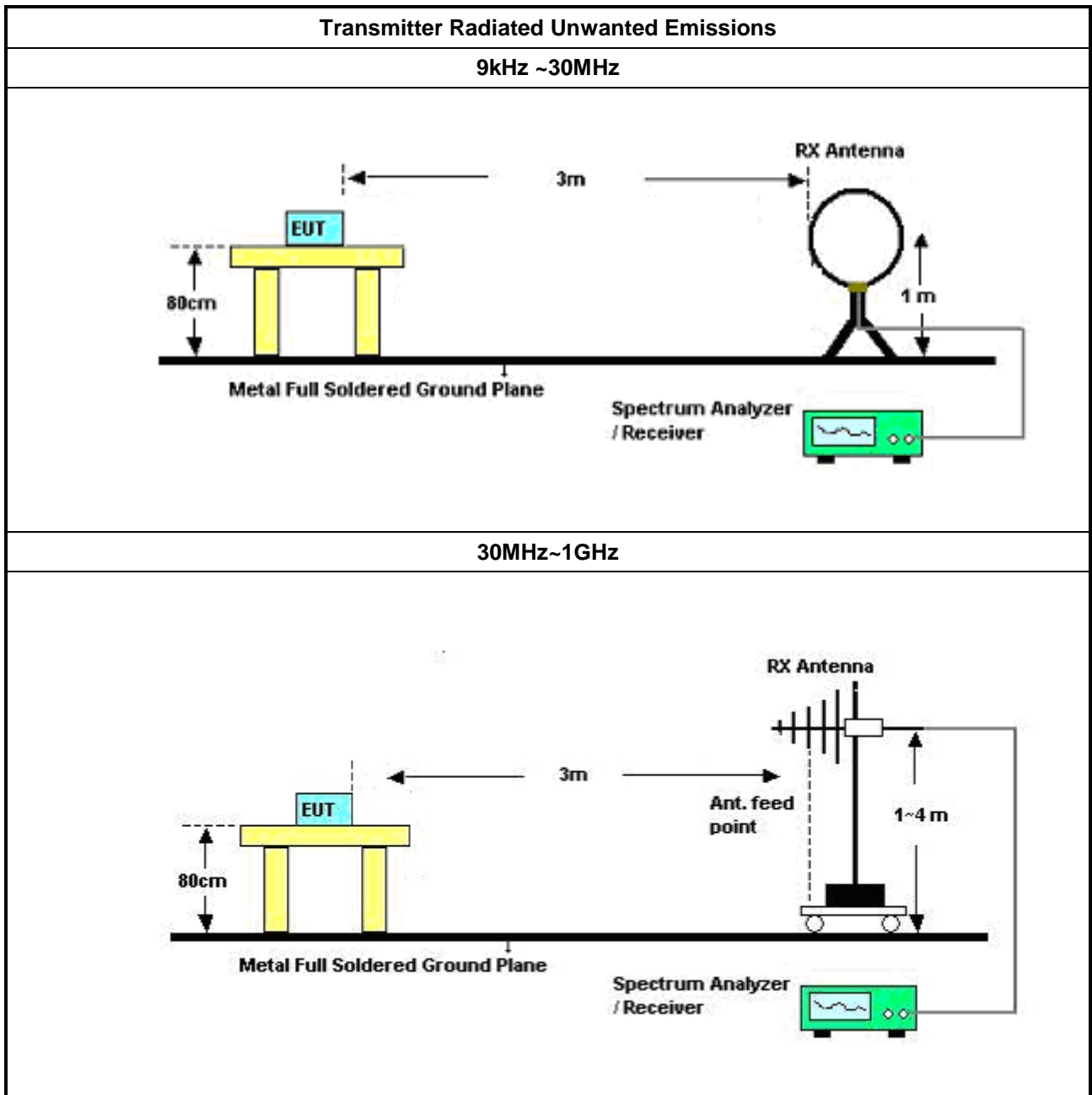
Test Method									
<ul style="list-style-type: none"> ▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a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

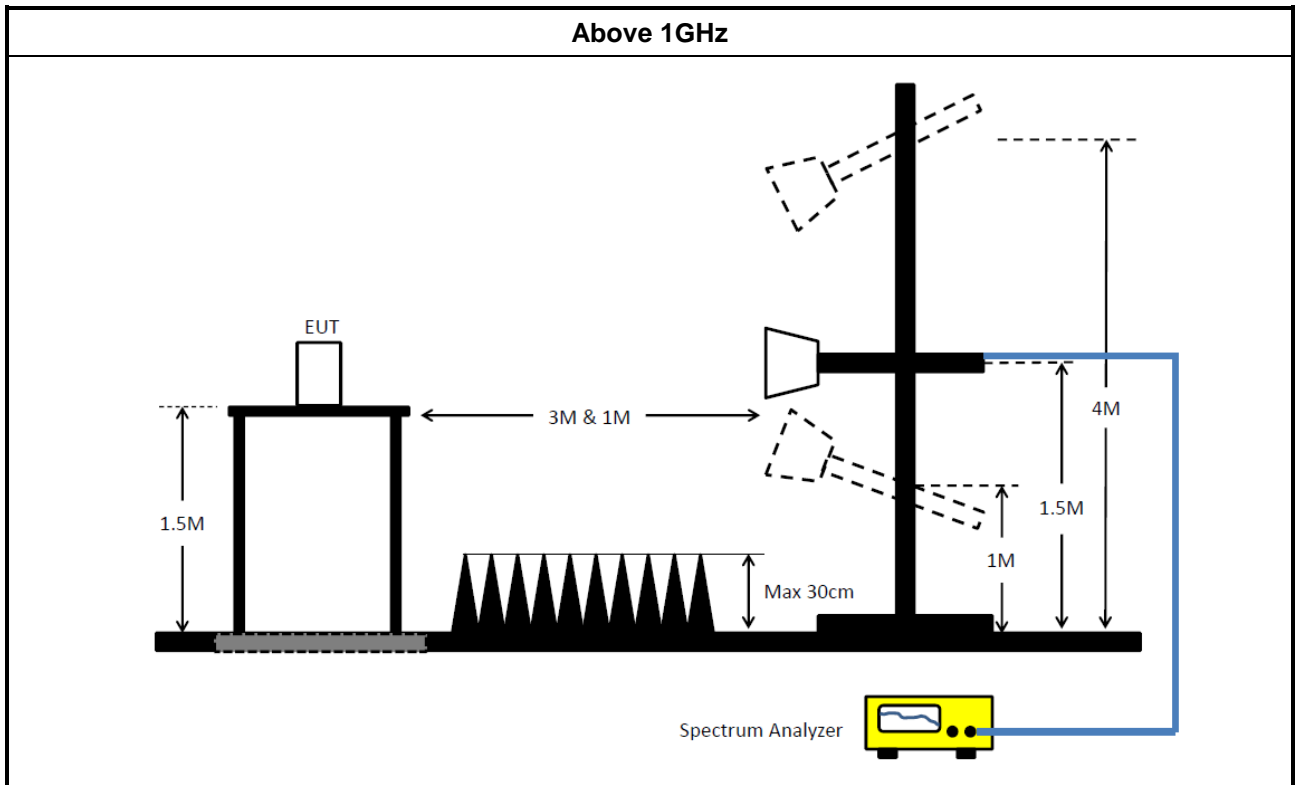
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	16/May/2023	15/May/2024
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	07/Sep/2023	06/Sep/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	V5.11.3	-	NCR	NCR

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
SMB100A Signal generator	R&S	SMB100A	177785	100kHz~40GHz	19/Sep/2023	18/Sep/2024
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	15/Feb/2023	14/Feb/2024
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	15/Feb/2023	14/Feb/2024
SENSE-15407_NII	Sporton	V5.11.10	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH03-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	30/Jul/2023	29/Jul/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	26/May/2023	25/May/2024
Signal Analyzer	R&S	FSV40	101500	10Hz~40 GHz	26/Oct/2023	25/Oct/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCi	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	15/Oct/2023	14/Oct/2024
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2023	12/Jun/2024
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	13/Jun/2023	12/Jun/2024
Amplifier	Agilent	8447D	2944A08033	100kHz~1.3 GHz	14/Sep/2023	13/Sep/2024
SENSE-15407-NII	Sporton	V5.11.14	NA	NA	NA	NA



Instrument for Radiated Test (03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	28/Jul/2023	27/Jul/2024
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-15407-NII	Sporton	V5.11.14	NA	NA	NA	NA

Instrument for Radiated Test (Co-Location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH24-HY	1GHz~18GHz 3m	03/08/2023	02/08/2024
Signal Analyzer	ROHDE&SCHWARZ	FSV3044	101345	10Hz~44GHz	10/08/2023	09/08/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz~18GHz	17/08/2023	16/08/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	21/08/2023	20/08/2024
Amplifier	EM	EM01G18G	060870	1GHz ~18GHz	10/08/2023	09/08/2024
Amplifier	EM	EM18G40GA	060874	18GHz~40GHz	18/08/2023	17/08/2024
RF Cable	HUBER+SUHNER	SUOFLEX 102	CB001	1GHz~40GHz	21/07/2023	20/07/2024
SENSE-15407-NII	Sporton	V5.11.7	NA	NA	NA	NA



Summary

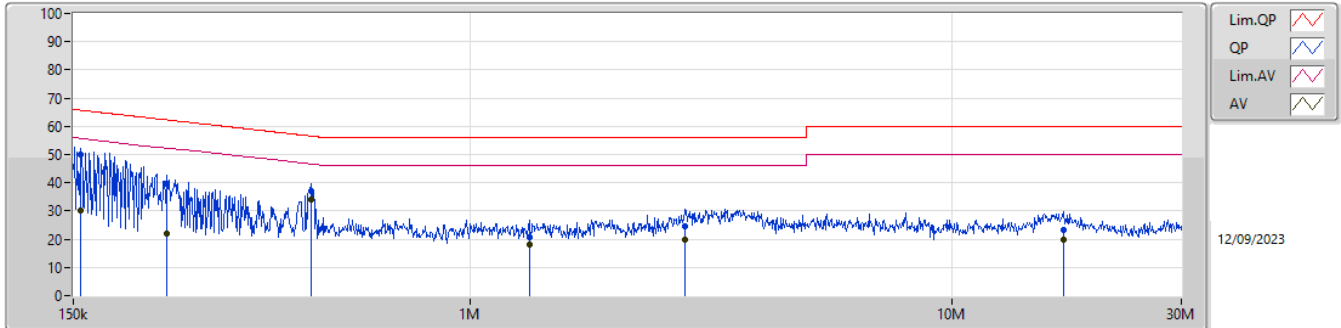
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	464.229k	36.04	46.61	-10.57	Neutral



Result

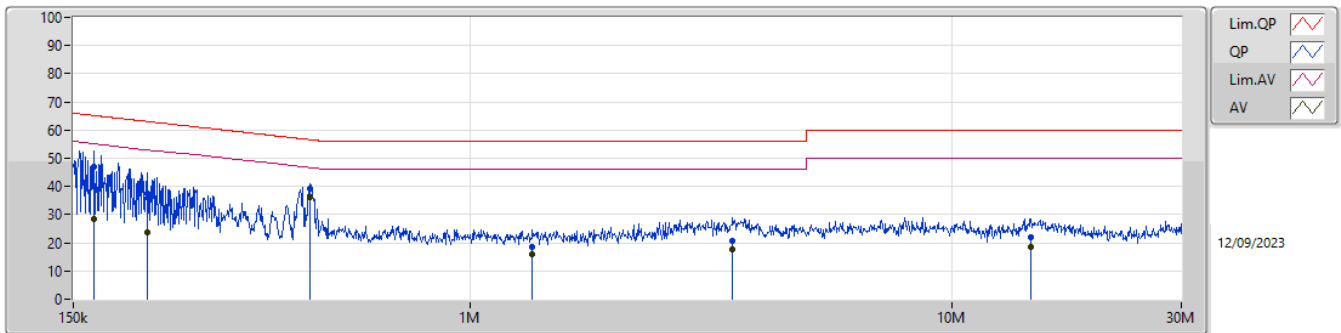
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.487k	49.81	65.69	-15.88	Line
Mode 1	Pass	AV	155.487k	30.04	55.69	-25.65	Line
Mode 1	Pass	QP	234.567k	39.76	62.29	-22.53	Line
Mode 1	Pass	AV	234.567k	21.85	52.29	-30.44	Line
Mode 1	Pass	QP	467.95k	37.25	56.55	-19.30	Line
Mode 1	Pass	AV	467.95k	33.99	46.55	-12.56	Line
Mode 1	Pass	QP	1.326M	20.68	56.00	-35.32	Line
Mode 1	Pass	AV	1.326M	18.26	46.00	-27.74	Line
Mode 1	Pass	QP	2.787M	24.56	56.00	-31.44	Line
Mode 1	Pass	AV	2.787M	19.62	46.00	-26.38	Line
Mode 1	Pass	QP	17.072M	23.40	60.00	-36.60	Line
Mode 1	Pass	AV	17.072M	19.76	50.00	-30.24	Line
Mode 1	Pass	QP	165.743k	46.99	65.18	-18.19	Neutral
Mode 1	Pass	AV	165.743k	28.63	55.18	-26.55	Neutral
Mode 1	Pass	QP	213.137k	37.39	63.07	-25.68	Neutral
Mode 1	Pass	AV	213.137k	23.67	53.07	-29.40	Neutral
Mode 1	Pass	QP	464.229k	39.35	56.61	-17.26	Neutral
Mode 1	Pass	AV	464.229k	36.04	46.61	-10.57	Neutral
Mode 1	Pass	QP	1.348M	18.46	56.00	-37.54	Neutral
Mode 1	Pass	AV	1.348M	15.78	46.00	-30.22	Neutral
Mode 1	Pass	QP	3.513M	20.76	56.00	-35.24	Neutral
Mode 1	Pass	AV	3.513M	17.74	46.00	-28.26	Neutral
Mode 1	Pass	QP	14.61M	22.04	60.00	-37.96	Neutral
Mode 1	Pass	AV	14.61M	18.34	50.00	-31.66	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	155.487k	49.81	65.69	-15.88	19.53	Line	-	30.28	9.57	0.03	9.93
AV	155.487k	30.04	55.69	-25.65	19.53	Line	-	10.51	9.57	0.03	9.93
QP	234.567k	39.76	62.29	-22.53	19.53	Line	-	20.23	9.56	0.03	9.94
AV	234.567k	21.85	52.29	-30.44	19.53	Line	-	2.32	9.56	0.03	9.94
QP	467.95k	37.25	56.55	-19.30	19.57	Line	-	17.68	9.57	0.04	9.96
AV	467.95k	33.99	46.55	-12.56	19.57	Line	-	14.42	9.57	0.04	9.96
QP	1.326M	20.68	56.00	-35.32	19.57	Line	-	1.11	9.57	0.06	9.94
AV	1.326M	18.26	46.00	-27.74	19.57	Line	-	-1.31	9.57	0.06	9.94
QP	2.787M	24.56	56.00	-31.44	19.63	Line	-	4.93	9.59	0.10	9.94
AV	2.787M	19.62	46.00	-26.38	19.63	Line	-	-0.01	9.59	0.10	9.94
QP	17.072M	23.40	60.00	-36.60	19.93	Line	-	3.47	9.71	0.25	9.97
AV	17.072M	19.76	50.00	-30.24	19.93	Line	-	-0.17	9.71	0.25	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	165.743k	46.99	65.18	-18.19	19.58	Neutral	-	27.41	9.62	0.03	9.93
AV	165.743k	28.63	55.18	-26.55	19.58	Neutral	-	9.05	9.62	0.03	9.93
QP	213.137k	37.39	63.07	-25.68	19.58	Neutral	-	17.81	9.62	0.03	9.93
AV	213.137k	23.67	53.07	-29.40	19.58	Neutral	-	4.09	9.62	0.03	9.93
QP	464.229k	39.35	56.61	-17.26	19.62	Neutral	-	19.73	9.62	0.04	9.96
AV	464.229k	36.04	46.61	-10.57	19.62	Neutral	-	16.42	9.62	0.04	9.96
QP	1.348M	18.46	56.00	-37.54	19.63	Neutral	-	-1.17	9.63	0.06	9.94
AV	1.348M	15.78	46.00	-30.22	19.63	Neutral	-	-3.85	9.63	0.06	9.94
QP	3.513M	20.76	56.00	-35.24	19.71	Neutral	-	1.05	9.66	0.12	9.93
AV	3.513M	17.74	46.00	-28.26	19.71	Neutral	-	-1.97	9.66	0.12	9.93
QP	14.61M	22.04	60.00	-37.96	20.09	Neutral	-	1.95	9.88	0.24	9.97
AV	14.61M	18.34	50.00	-31.66	20.09	Neutral	-	-1.75	9.88	0.24	9.97



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	33.605M	17.173M	17M2D1D	20.735M	16.47M
802.11n HT20_Nss1,(MCS0)_2TX	36.74M	18.566M	18M6D1D	20.9M	17.816M
802.11n HT40_Nss1,(MCS0)_2TX	43.45M	36.282M	36M3D1D	38.83M	36.182M
802.11ac VHT20_Nss1,(MCS0)_2TX	33.33M	18.316M	18M3D1D	21.23M	17.666M
802.11ac VHT40_Nss1,(MCS0)_2TX	43.67M	36.332M	36M3D1D	38.83M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	78.32M	75.562M	75M6D1D	78.32M	75.462M
802.11ax HEW20_Nss1,(MCS0)_2TX	35.695M	19.19M	19M2D1D	21.01M	18.991M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.27M	37.581M	37M6D1D	38.94M	37.381M
802.11ax HEW80_Nss1,(MCS0)_2TX	78.76M	76.962M	77MOD1D	78.76M	76.662M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.9M	16.712M	16M7D1D	20.515M	16.47M
802.11n HT20_Nss1,(MCS0)_2TX	21.725M	17.891M	17M9D1D	20.9M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	39.16M	36.282M	36M3D1D	38.39M	36.082M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.285M	17.991M	18MOD1D	20.735M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.27M	36.232M	36M2D1D	38.5M	36.082M
802.11ac VHT80_Nss1,(MCS0)_2TX	79.42M	75.762M	75M8D1D	79.2M	75.662M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.12M	19.065M	19M1D1D	20.625M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.71M	37.631M	37M6D1D	39.05M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	77.061M	77M1D1D	80.3M	77.061M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.955M	16.712M	16M7D1D	15.15M	13.313M
802.11n HT20_Nss1,(MCS0)_2TX	21.12M	17.966M	18MOD1D	14.94M	13.868M
802.11n HT40_Nss1,(MCS0)_2TX	39.27M	36.332M	36M3D1D	33.915M	33.023M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.34M	17.791M	17M8D1D	15.375M	13.808M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.38M	36.332M	36M3D1D	34.51M	32.954M
802.11ac VHT80_Nss1,(MCS0)_2TX	78.32M	75.562M	75M6D1D	74.475M	72.414M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	18.991M	19MOD1D	15.255M	14.423M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.27M	37.681M	37M7D1D	34.58M	33.583M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.52M	77.061M	77M1D1D	74.55M	72.864M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	21.923M	21M9D1D	3.24M	3.718M
802.11n HT20_Nss1,(MCS0)_2TX	17.82M	23.938M	23M9D1D	3.84M	4.118M
802.11n HT40_Nss1,(MCS0)_2TX	36.41M	38.331M	38M3D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.765M	21.439M	21M4D1D	3.86M	4.238M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.41M	37.381M	37M4D1D	3.22M	3.438M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.9M	76.062M	76M1D1D	3.14M	3.478M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.195M	20.99M	21MOD1D	4.3M	4.538M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.84M	38.031M	38MOD1D	2.96M	4.058M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.44M	78.261M	78M3D1D	3.84M	4.058M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.735M	16.47M	21.505M	16.778M
5200MHz	Pass	Inf	29.755M	17.129M	30.91M	17.085M
5240MHz	Pass	Inf	33.605M	16.844M	27.335M	17.173M
5260MHz	Pass	Inf	20.57M	16.69M	20.9M	16.558M
5300MHz	Pass	Inf	20.68M	16.712M	20.79M	16.58M
5320MHz	Pass	Inf	20.68M	16.492M	20.515M	16.47M
5500MHz	Pass	Inf	20.9M	16.624M	20.735M	16.602M
5580MHz	Pass	Inf	20.625M	16.712M	20.955M	16.58M
5700MHz	Pass	Inf	20.845M	16.602M	20.955M	16.514M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.15M	13.313M	15.495M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	3.958M	3.24M	3.718M
5745MHz	Pass	500k	16.5M	17.415M	16.445M	18.647M
5785MHz	Pass	500k	16.335M	16.91M	16.445M	18.185M
5825MHz	Pass	500k	16.555M	18.031M	16.445M	21.923M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.065M	17.866M	20.9M	17.816M
5200MHz	Pass	Inf	33.99M	18.116M	29.315M	18.566M
5240MHz	Pass	Inf	27.06M	17.916M	36.74M	18.016M
5260MHz	Pass	Inf	20.9M	17.716M	21.395M	17.816M
5300MHz	Pass	Inf	21.725M	17.766M	21.12M	17.641M
5320MHz	Pass	Inf	20.9M	17.891M	20.9M	17.741M
5500MHz	Pass	Inf	21.12M	17.691M	20.845M	17.866M
5580MHz	Pass	Inf	20.68M	17.866M	20.845M	17.741M
5700MHz	Pass	Inf	21.01M	17.966M	20.735M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.525M	13.868M	14.94M	13.943M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.86M	4.218M	3.84M	4.118M
5745MHz	Pass	500k	17.82M	18.416M	17.765M	19.215M
5785MHz	Pass	500k	17.82M	18.316M	17.545M	19.765M
5825MHz	Pass	500k	17.325M	18.891M	17.655M	23.938M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.16M	36.182M	38.83M	36.232M
5230MHz	Pass	Inf	42.9M	36.282M	43.45M	36.282M
5270MHz	Pass	Inf	39.16M	36.232M	38.72M	36.082M
5310MHz	Pass	Inf	38.61M	36.182M	38.39M	36.282M
5510MHz	Pass	Inf	38.83M	36.332M	39.05M	36.232M
5550MHz	Pass	Inf	38.94M	36.132M	38.61M	36.282M
5670MHz	Pass	Inf	39.27M	36.232M	38.28M	36.182M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.335M	33.023M	33.915M	33.093M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.438M	3.14M	3.498M
5755MHz	Pass	500k	36.41M	36.282M	36.41M	36.332M
5795MHz	Pass	500k	36.41M	36.932M	36.41M	38.331M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.615M	17.666M	21.23M	17.841M
5200MHz	Pass	Inf	32.175M	18.191M	33.33M	18.016M
5240MHz	Pass	Inf	27.17M	18.141M	25.63M	18.316M
5260MHz	Pass	Inf	20.735M	17.841M	20.9M	17.766M
5300MHz	Pass	Inf	21.12M	17.691M	21.23M	17.691M
5320MHz	Pass	Inf	21.01M	17.991M	21.285M	17.791M
5500MHz	Pass	Inf	21.12M	17.791M	20.79M	17.766M
5580MHz	Pass	Inf	21.12M	17.741M	21.285M	17.766M
5700MHz	Pass	Inf	21.34M	17.766M	20.845M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.72M	13.928M	15.375M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	4.238M	3.86M	4.258M
5745MHz	Pass	500k	17.545M	18.191M	17.765M	19.19M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5785MHz	Pass	500k	17.765M	18.316M	17.6M	20.79M
5825MHz	Pass	500k	17.765M	18.816M	17.435M	21.439M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	38.83M	36.182M	38.94M	36.132M
5230MHz	Pass	Inf	41.91M	36.282M	43.67M	36.332M
5270MHz	Pass	Inf	38.5M	36.082M	39.27M	36.182M
5310MHz	Pass	Inf	38.94M	36.182M	39.05M	36.232M
5510MHz	Pass	Inf	38.94M	36.132M	39.05M	36.132M
5550MHz	Pass	Inf	39.38M	36.182M	38.72M	36.232M
5670MHz	Pass	Inf	39.05M	36.232M	38.61M	36.332M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	32.954M	34.51M	32.954M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.578M	3.26M	3.438M
5755MHz	Pass	500k	36.3M	36.332M	36.3M	36.332M
5795MHz	Pass	500k	36.41M	36.682M	35.97M	37.381M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	78.32M	75.562M	78.32M	75.462M
5290MHz	Pass	Inf	79.42M	75.662M	79.2M	75.762M
5530MHz	Pass	Inf	78.1M	75.562M	78.32M	75.562M
5610MHz	Pass	Inf	78.32M	75.562M	78.32M	75.462M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.475M	72.414M	74.55M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.638M	3.14M	3.478M
5775MHz	Pass	500k	75.9M	76.062M	74.8M	75.962M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.01M	19.09M	21.065M	18.991M
5200MHz	Pass	Inf	30.8M	19.165M	34.925M	19.09M
5240MHz	Pass	Inf	30.36M	19.14M	35.695M	19.19M
5260MHz	Pass	Inf	20.79M	18.966M	20.625M	18.991M
5300MHz	Pass	Inf	21.12M	18.916M	20.735M	18.941M
5320MHz	Pass	Inf	20.955M	19.065M	21.01M	19.015M
5500MHz	Pass	Inf	21.23M	18.941M	21.12M	18.966M
5580MHz	Pass	Inf	20.9M	18.941M	20.46M	18.966M
5700MHz	Pass	Inf	21.23M	18.891M	20.845M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.423M	15.255M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.52M	4.538M	4.3M	4.698M
5745MHz	Pass	500k	18.975M	19.29M	19.14M	19.215M
5785MHz	Pass	500k	19.085M	19.115M	19.085M	19.265M
5825MHz	Pass	500k	19.14M	19.59M	19.195M	20.99M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.05M	37.381M	38.94M	37.381M
5230MHz	Pass	Inf	39.27M	37.581M	39.16M	37.431M
5270MHz	Pass	Inf	39.05M	37.481M	39.27M	37.481M
5310MHz	Pass	Inf	39.71M	37.631M	39.16M	37.581M
5510MHz	Pass	Inf	39.27M	37.681M	39.27M	37.531M
5550MHz	Pass	Inf	39.27M	37.581M	39.05M	37.531M
5670MHz	Pass	Inf	38.94M	37.481M	39.05M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	33.583M	34.58M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.96M	4.058M	3.48M	4.058M
5755MHz	Pass	500k	37.84M	37.731M	37.4M	37.631M
5795MHz	Pass	500k	37.62M	37.931M	36.74M	38.031M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	78.76M	76.662M	78.76M	76.962M
5290MHz	Pass	Inf	80.3M	77.061M	80.3M	77.061M
5530MHz	Pass	Inf	79.86M	76.662M	80.52M	77.061M
5610MHz	Pass	Inf	80.3M	76.862M	80.52M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.55M	72.864M	75M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	4.058M	3.88M	4.058M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5775MHz	Pass	500k	77.44M	78.261M	75.24M	77.761M

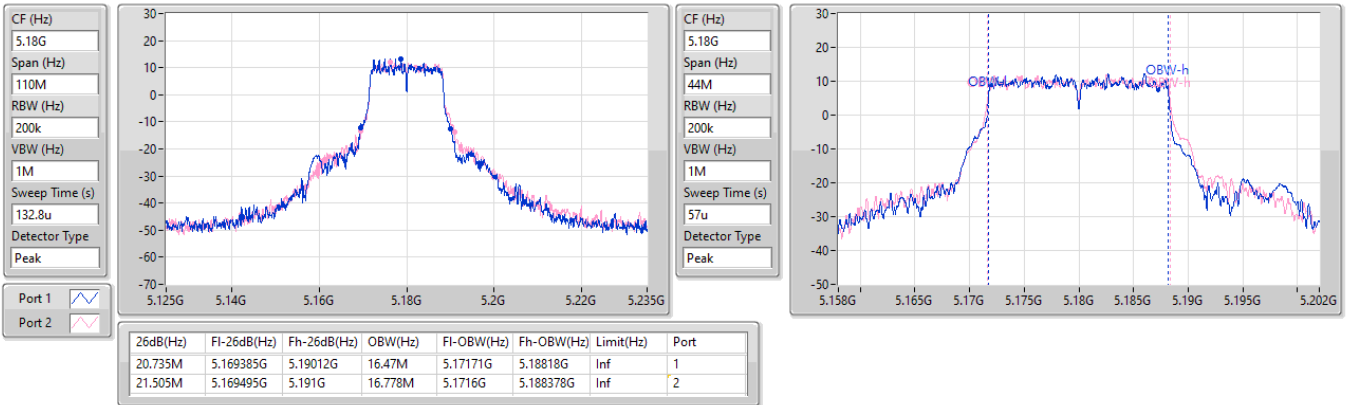
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

10/11/2023

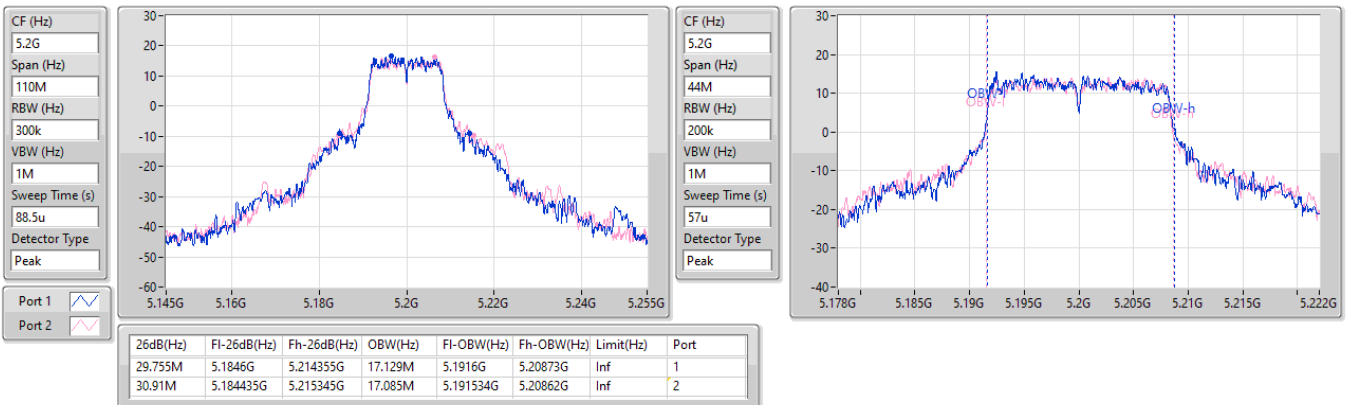


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

10/11/2023

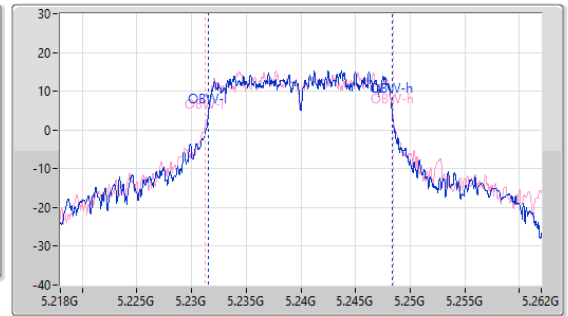
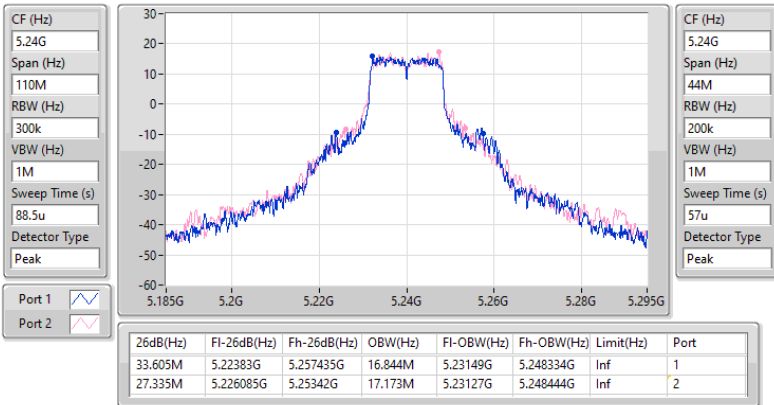


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

10/11/2023

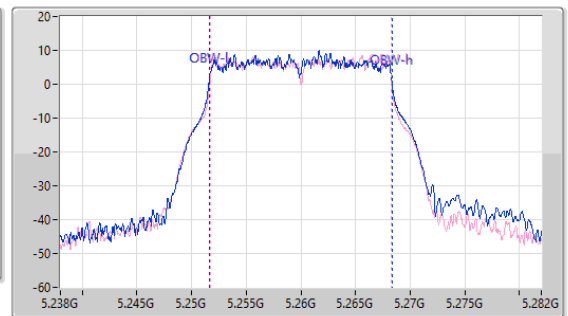
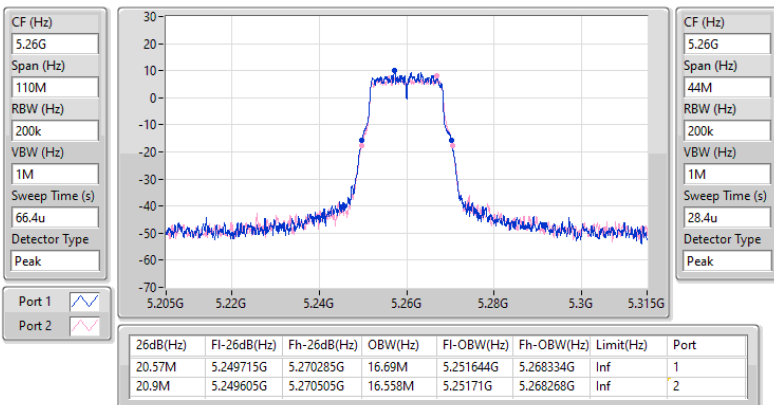


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

05/09/2023



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

EBW

5300MHz

05/09/2023

CF (Hz)
5.3G

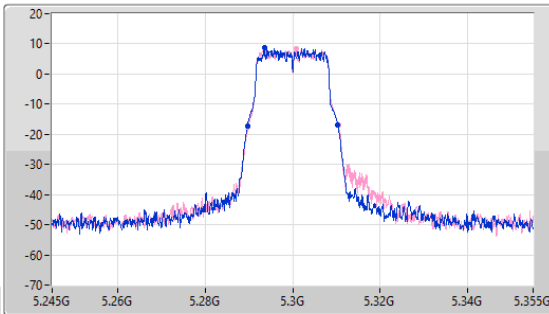
Span (Hz)
110M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
66.4u

Detector Type
Peak



CF (Hz)
5.3G

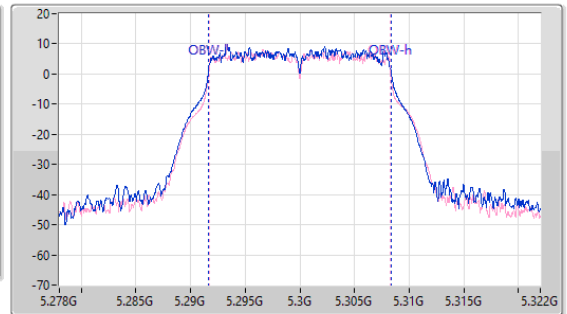
Span (Hz)
44M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
28.4u

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.68M	5.28966G	5.31034G	16.712M	5.291644G	5.308356G	Inf	1
20.79M	5.28966G	5.31045G	16.58M	5.29171G	5.30829G	Inf	2

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

EBW

5320MHz

05/09/2023

CF (Hz)
5.32G

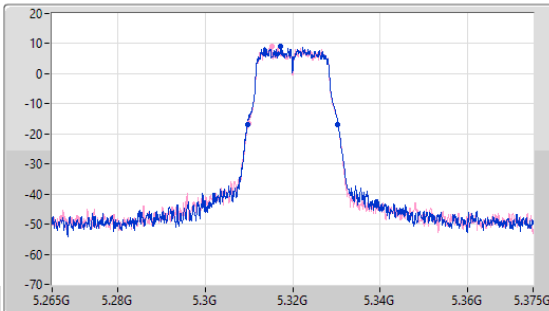
Span (Hz)
110M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
66.4u

Detector Type
Peak



CF (Hz)
5.32G

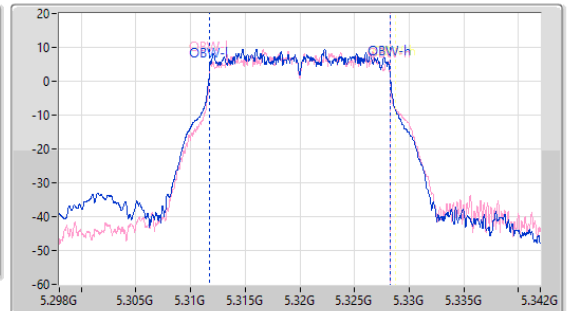
Span (Hz)
44M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
28.4u

Detector Type
Peak



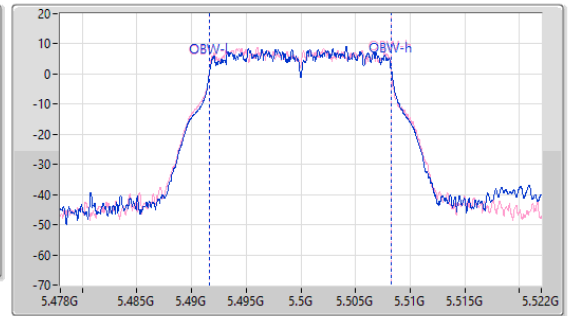
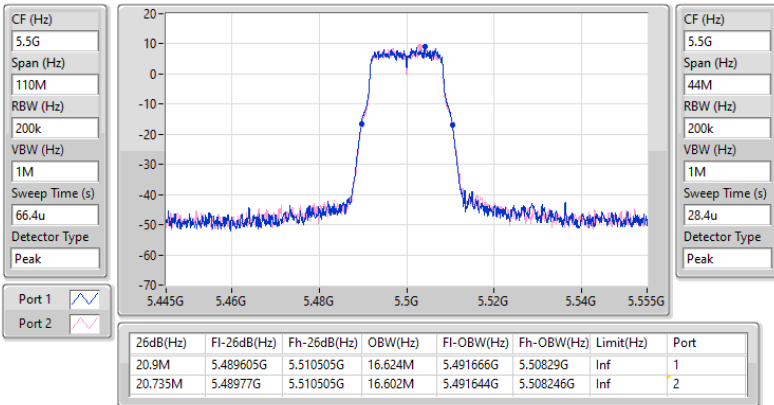
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.68M	5.309715G	5.330395G	16.492M	5.311732G	5.328224G	Inf	1
20.515M	5.30988G	5.330395G	16.47M	5.311776G	5.328246G	Inf	2

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

EBW

5500MHz

05/09/2023

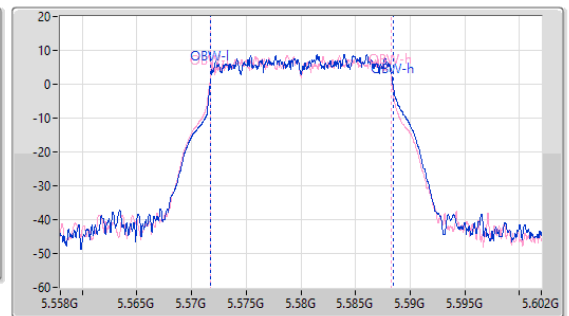
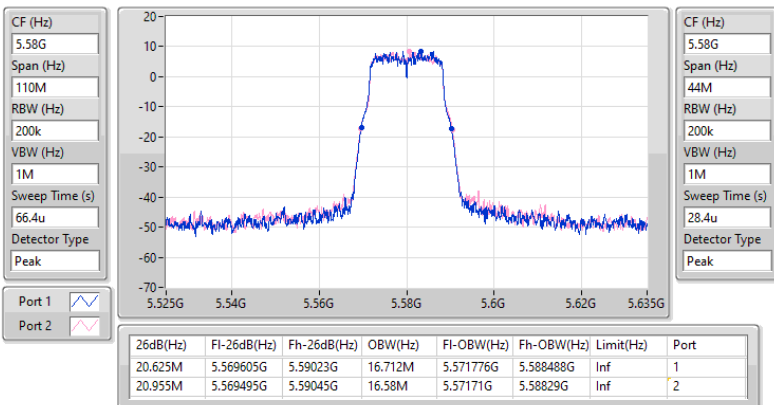


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

05/09/2023

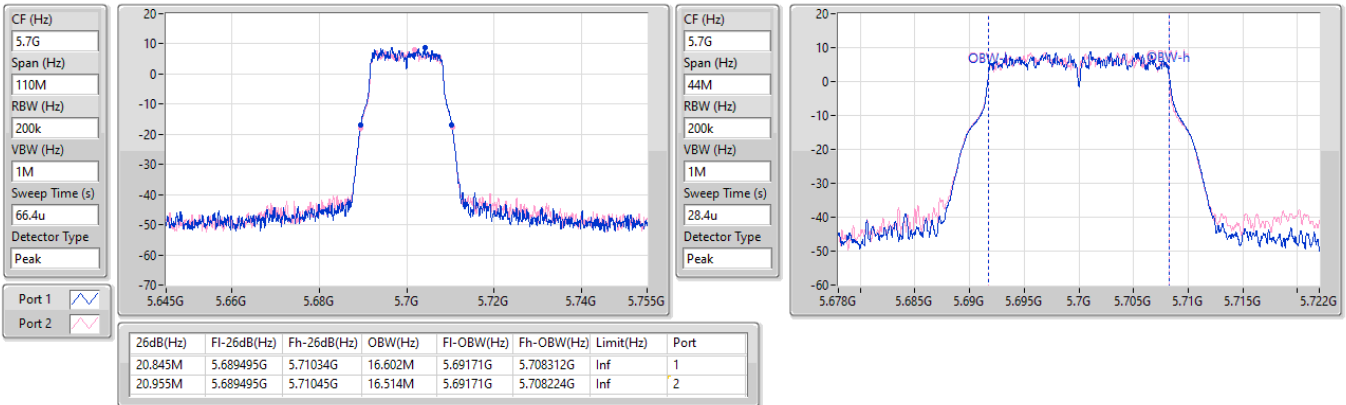


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

05/09/2023

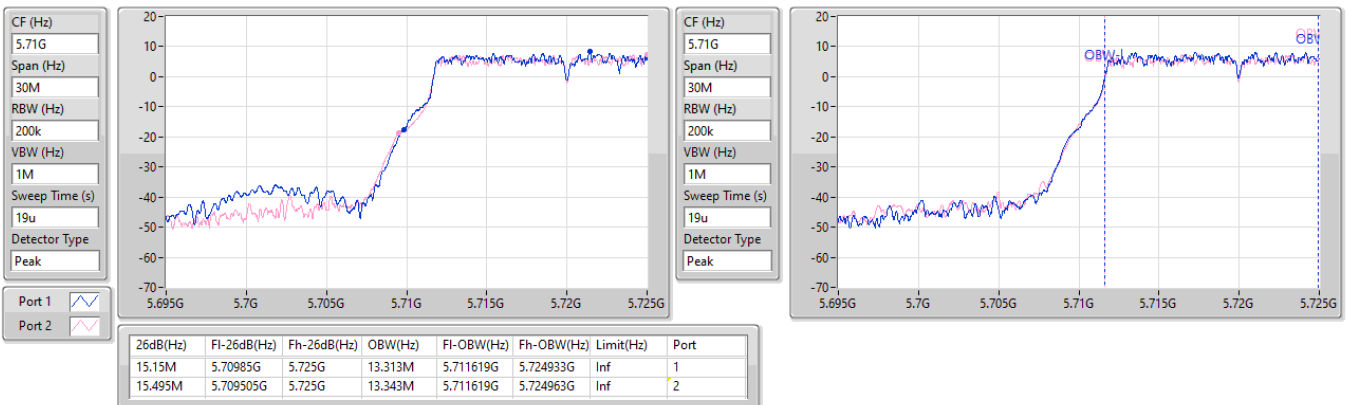


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/09/2023

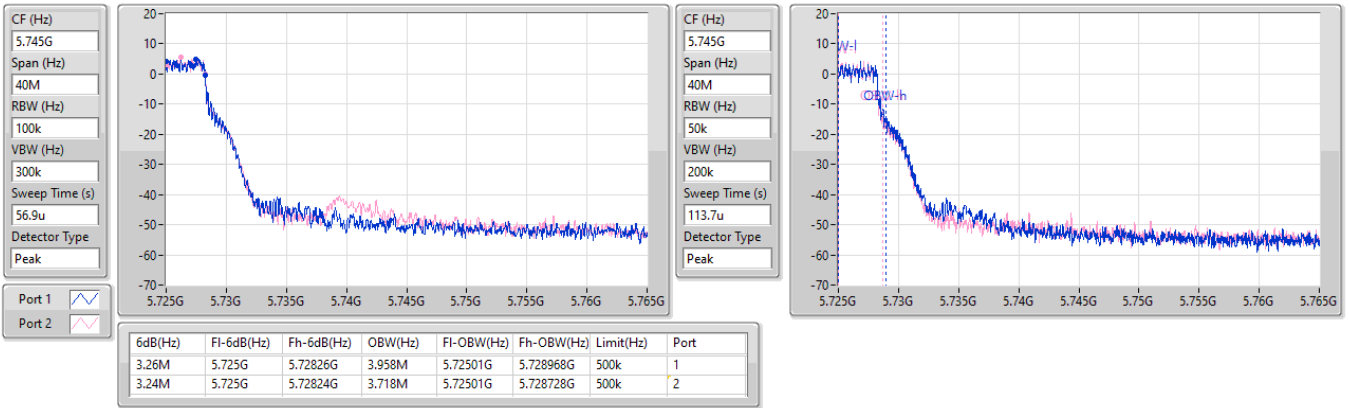


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2023

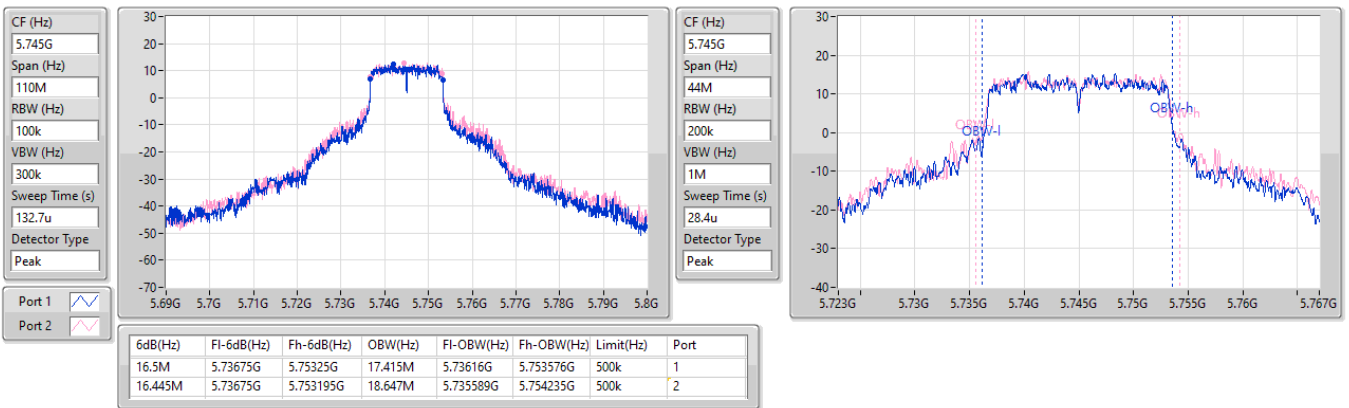


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

05/09/2023

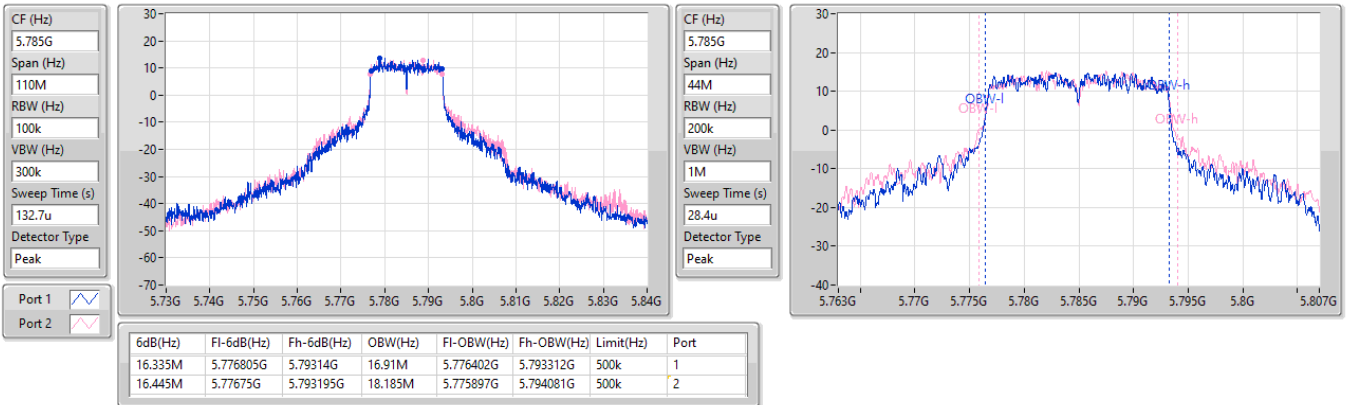


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

05/09/2023

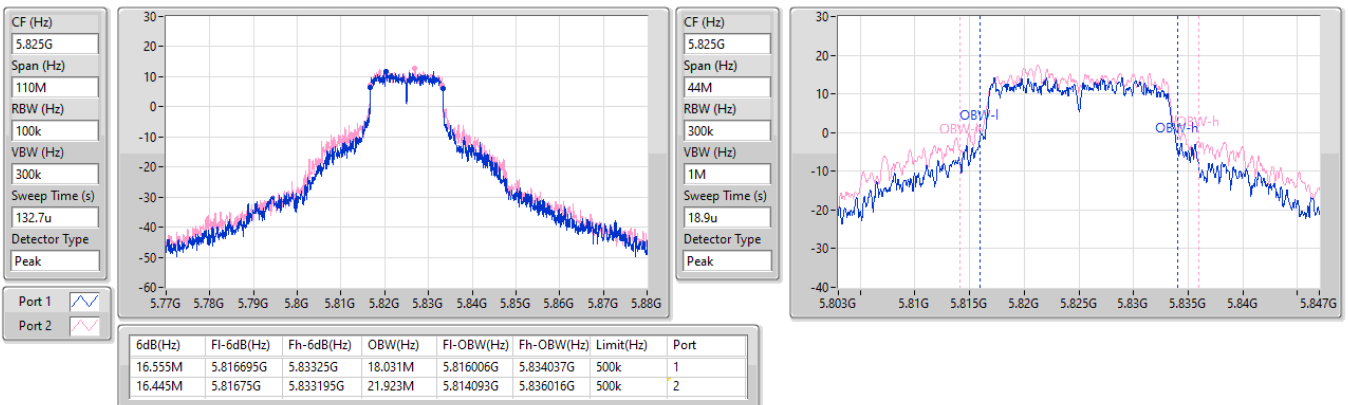


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

24/10/2023

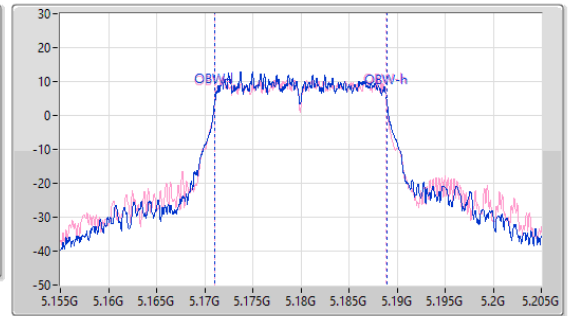
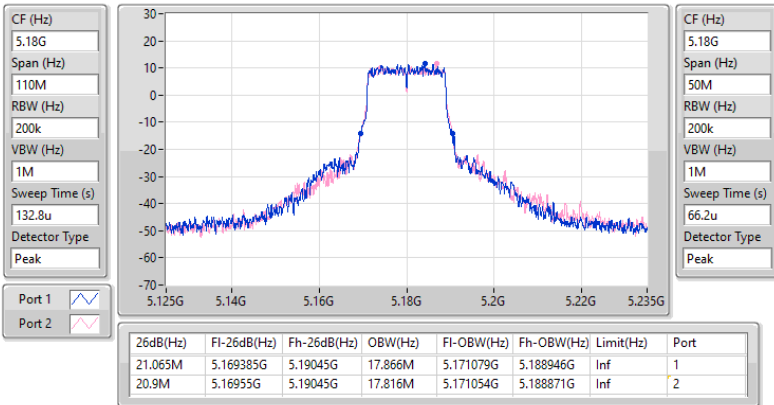


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5180MHz

10/11/2023

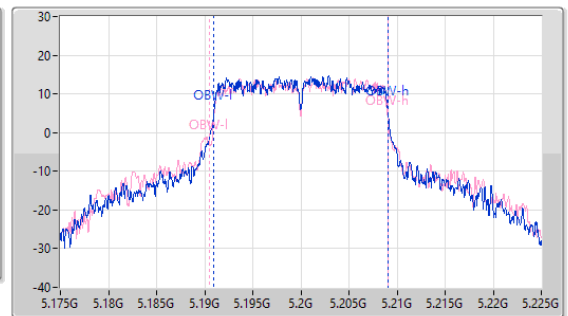
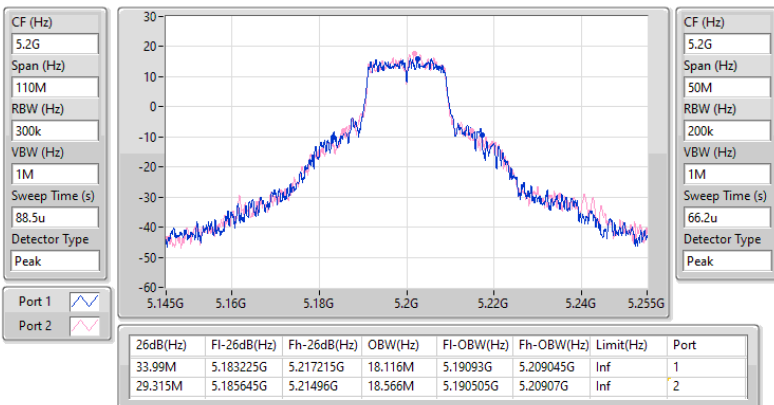


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5200MHz

10/11/2023

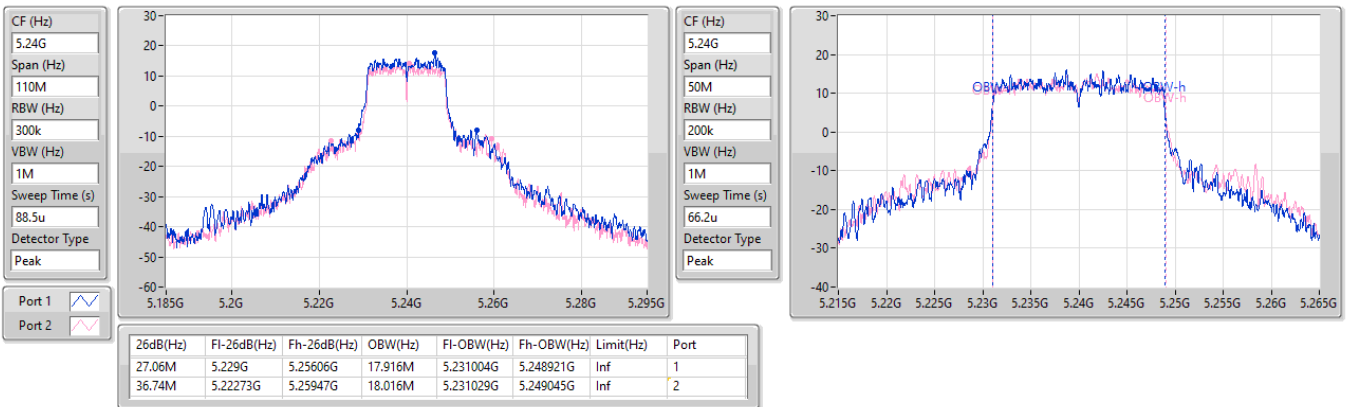


5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5240MHz

10/11/2023

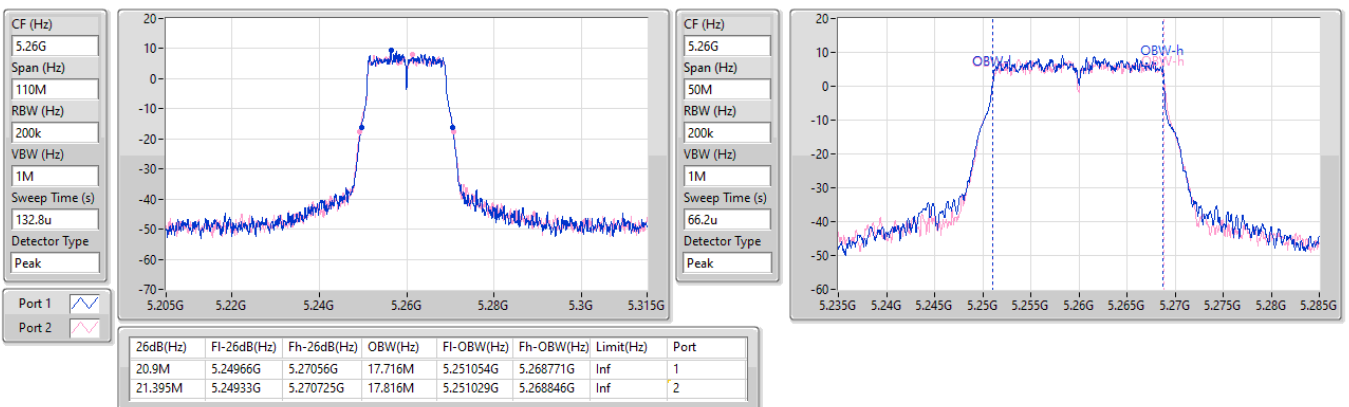


5.25-5.35GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5260MHz

11/09/2023

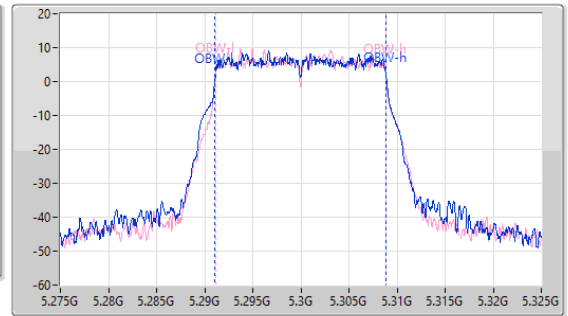
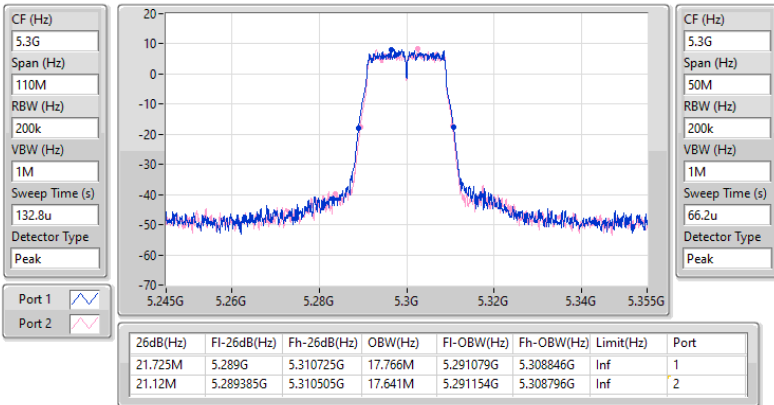


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5300MHz

11/09/2023

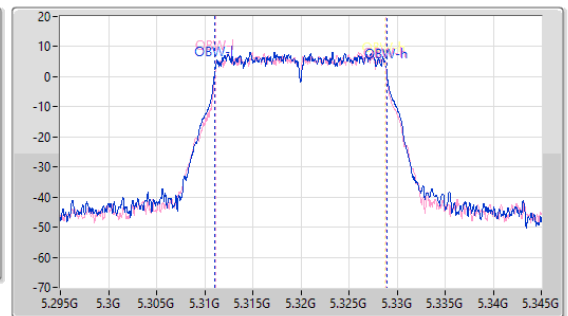
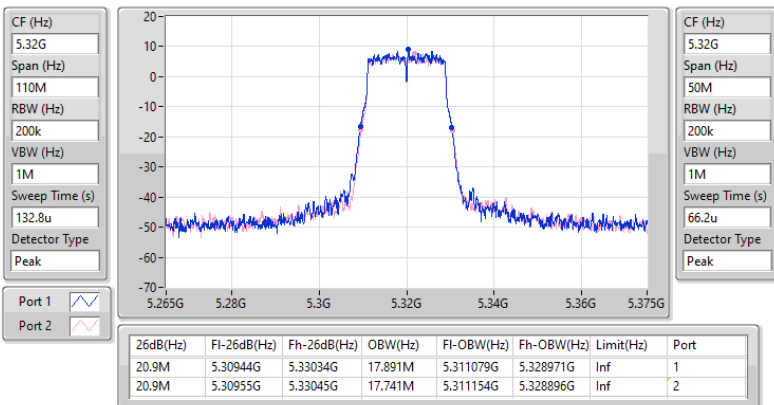


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

11/09/2023

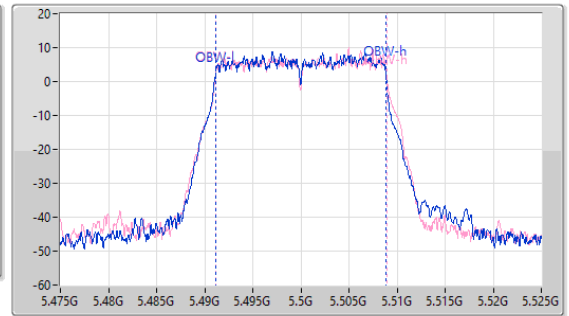
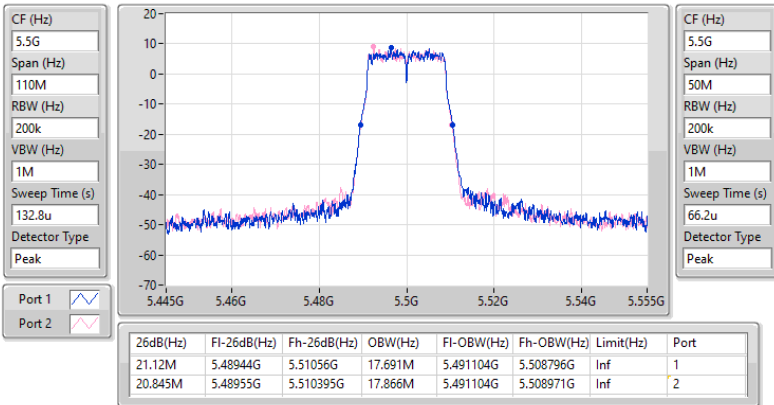


5.47-5.725GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5500MHz

11/09/2023

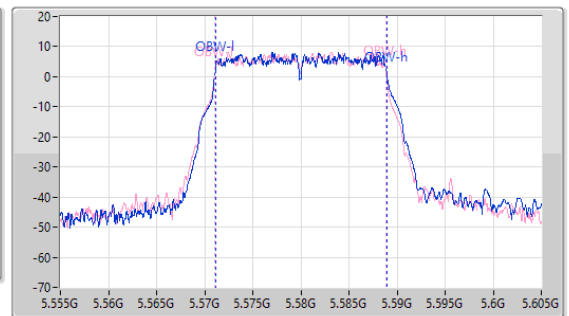
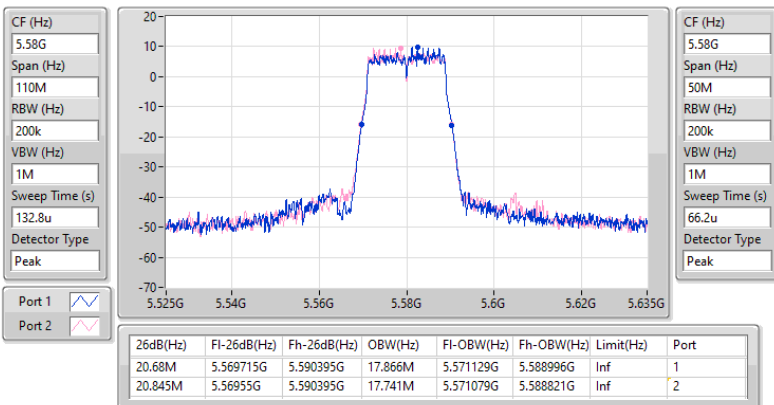


5.47-5.725GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5580MHz

11/09/2023

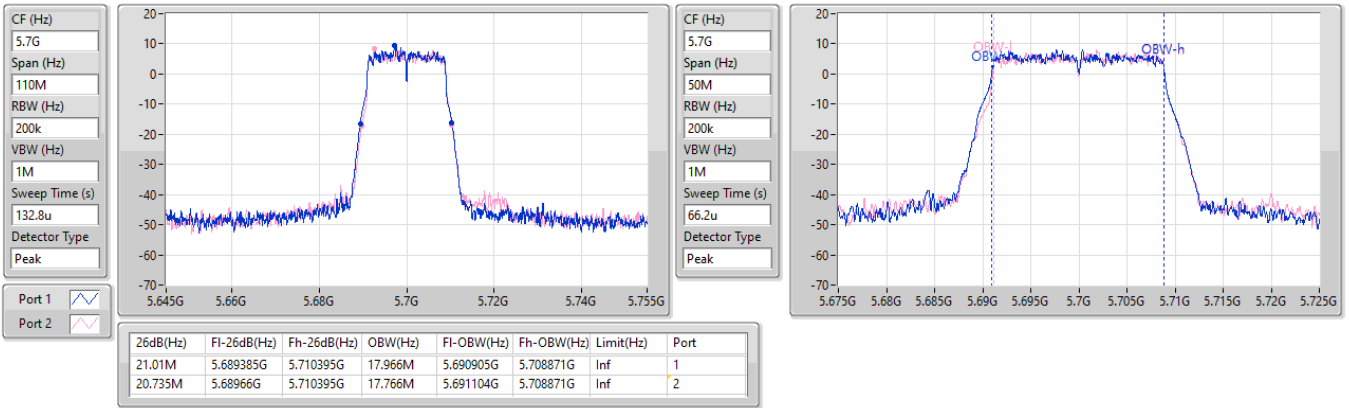


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5700MHz

11/09/2023

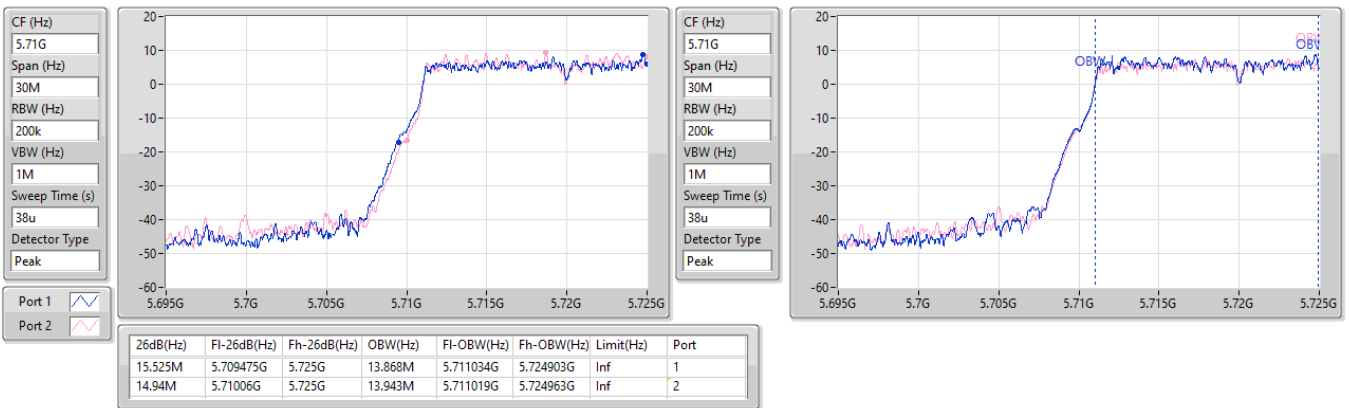


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/09/2023

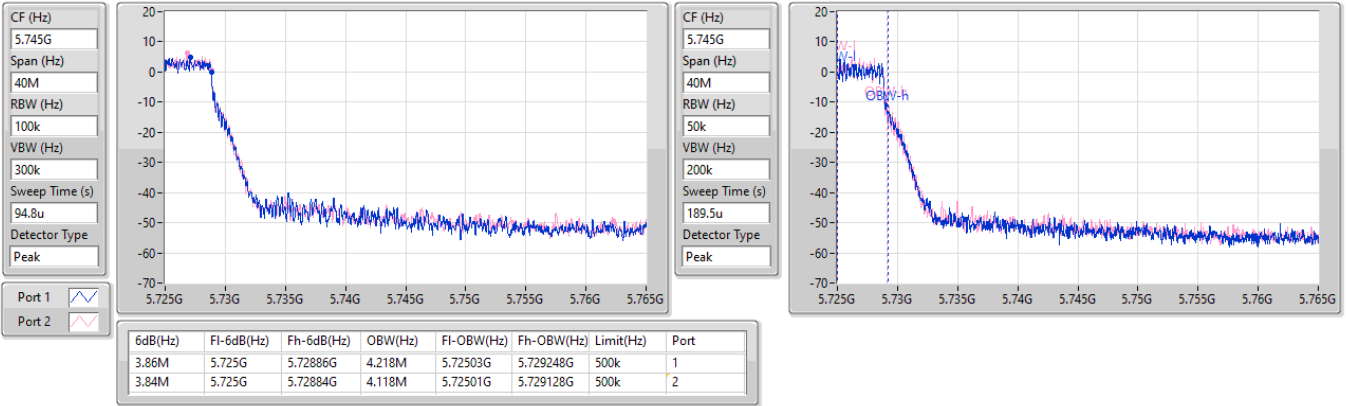


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/09/2023

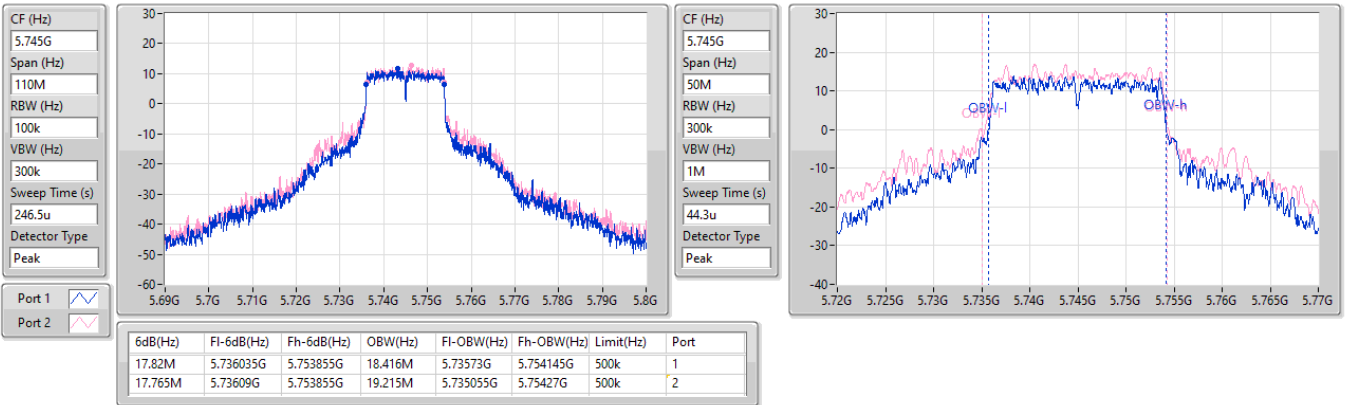


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5745MHz

11/09/2023

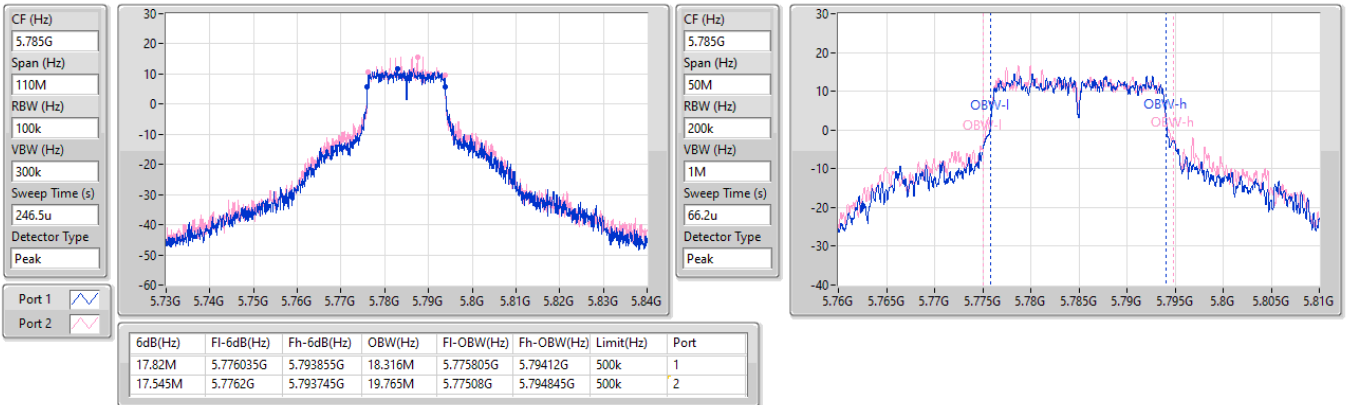


5.725-5.85GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5785MHz

11/09/2023

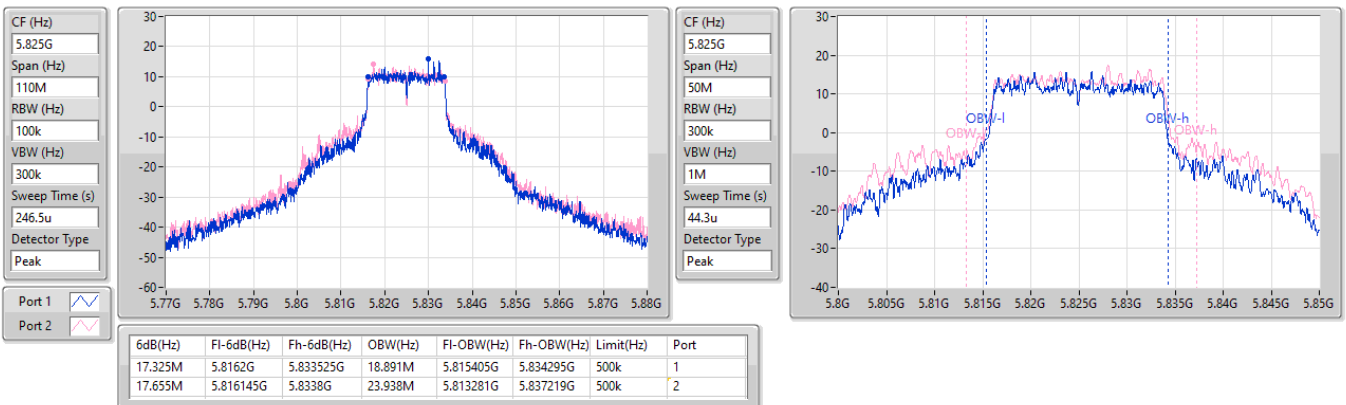


5.725-5.85GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5825MHz

11/09/2023

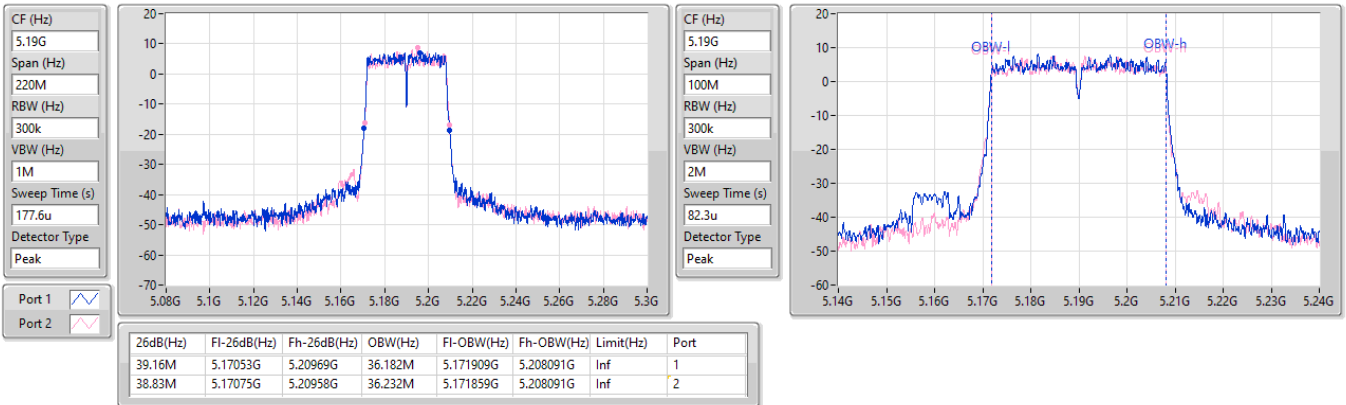


5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5190MHz

10/11/2023

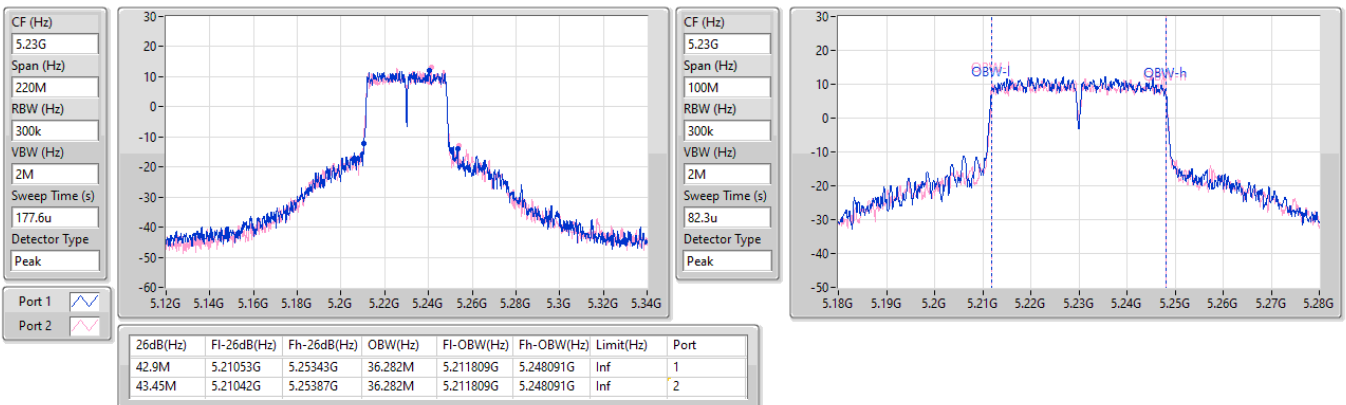


5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5230MHz

10/11/2023

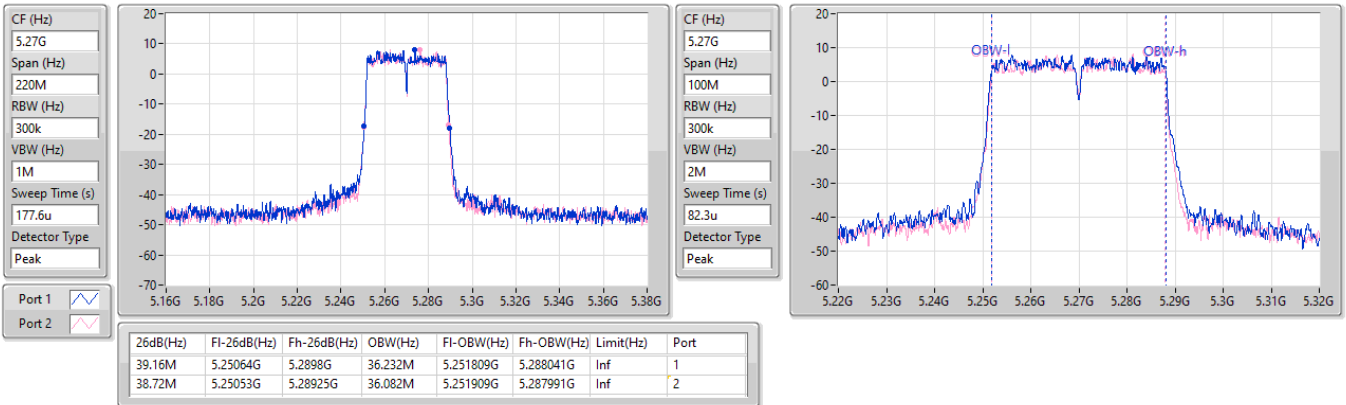


5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

11/09/2023

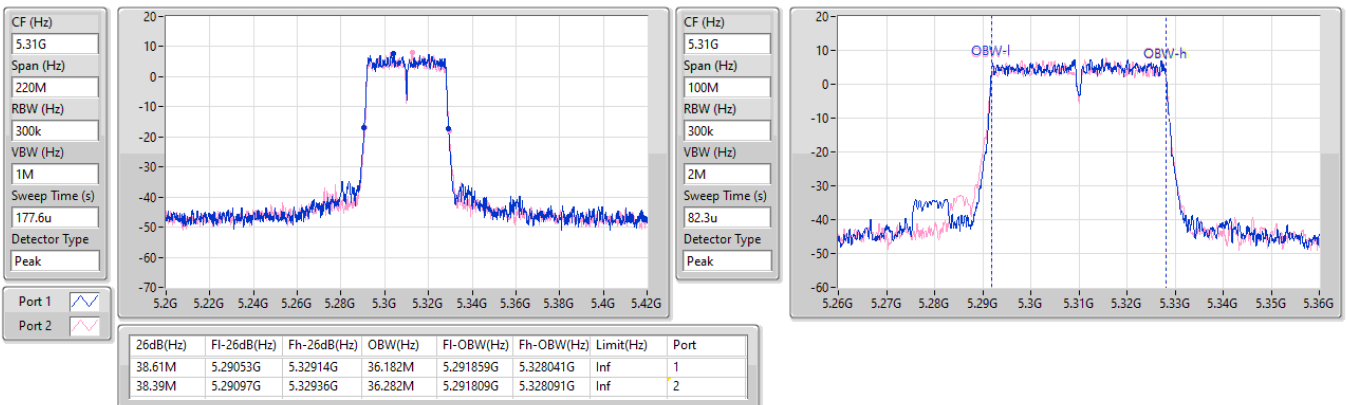


5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

11/09/2023

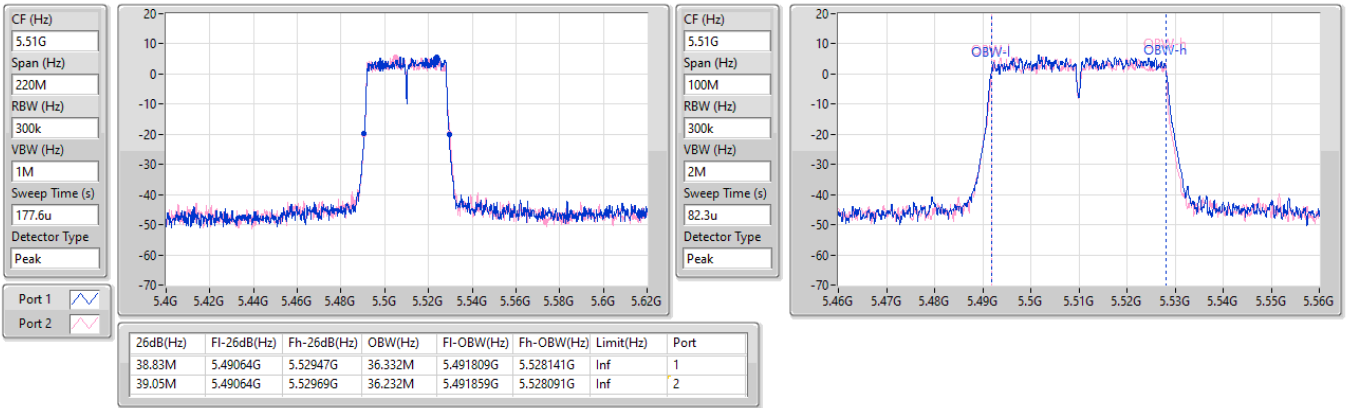


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

11/09/2023

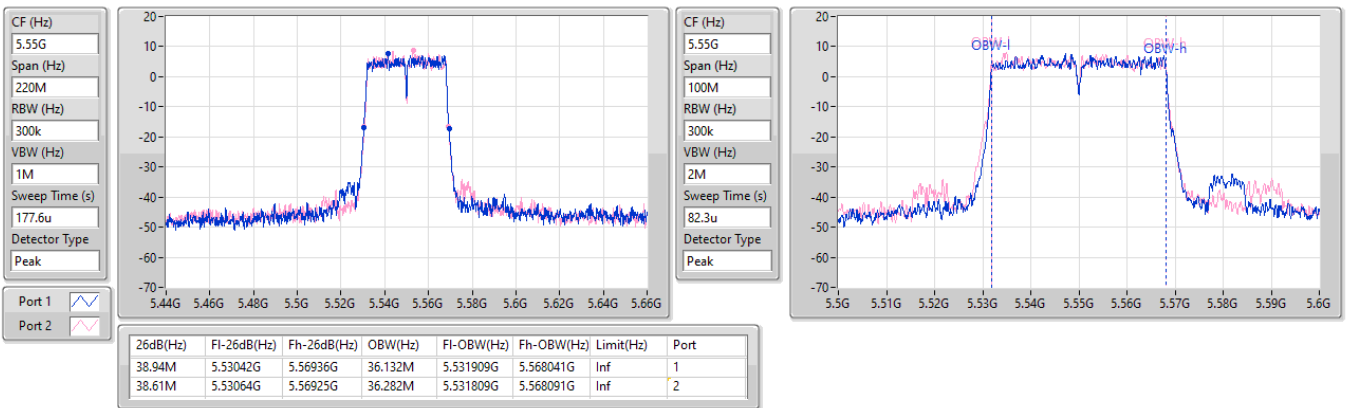


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5550MHz

11/09/2023

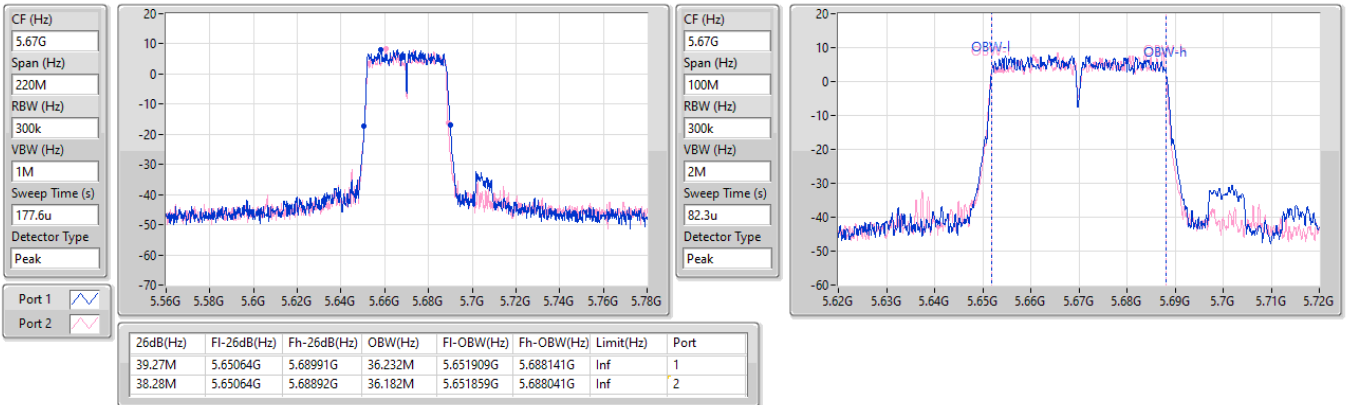


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5670MHz

11/09/2023

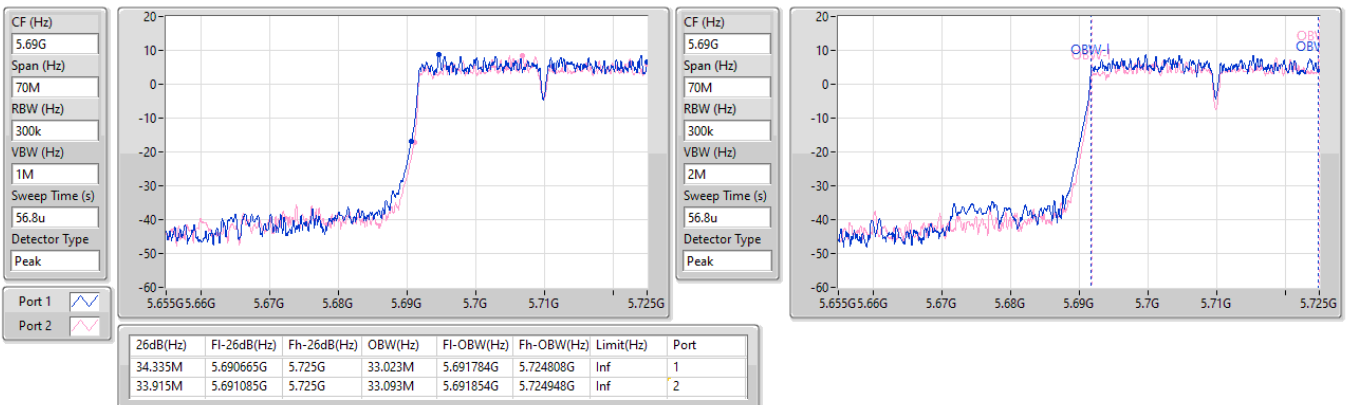


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

11/09/2023

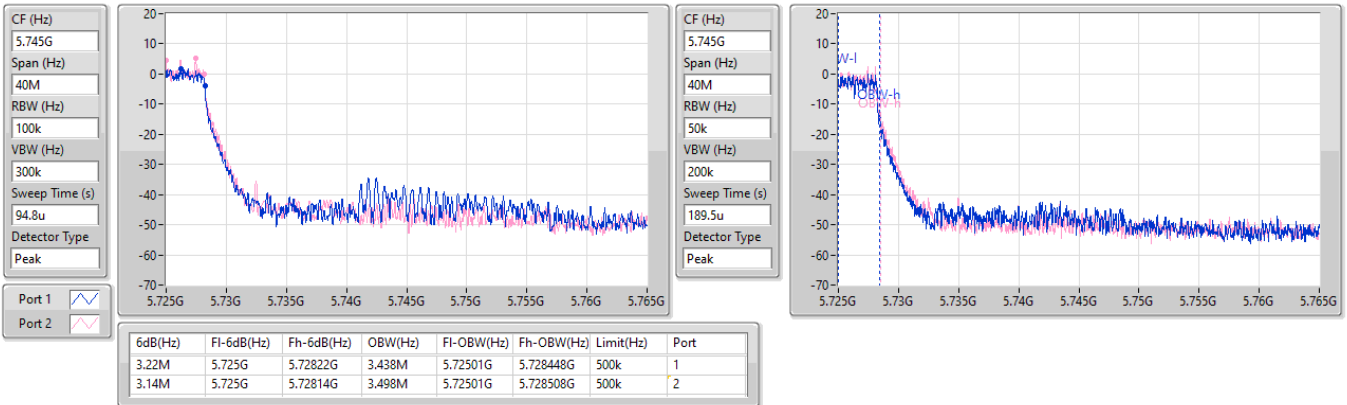


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/09/2023

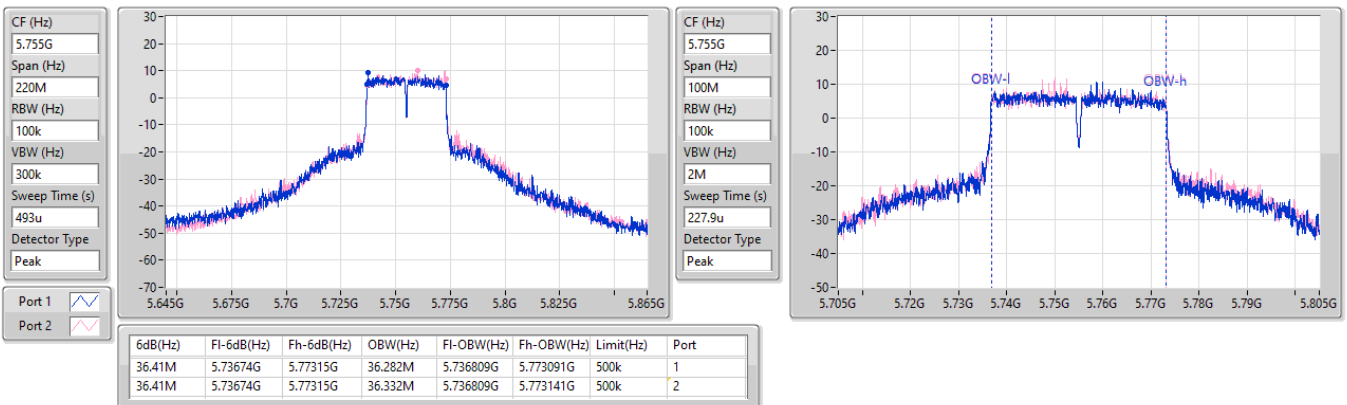


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5755MHz

11/09/2023

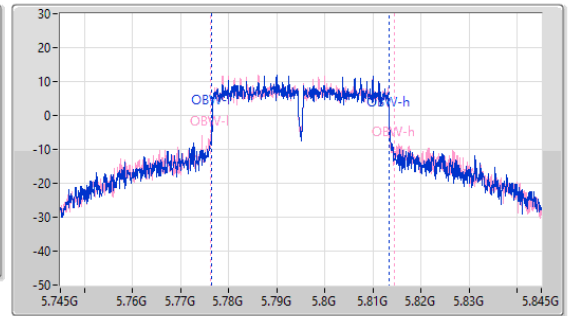
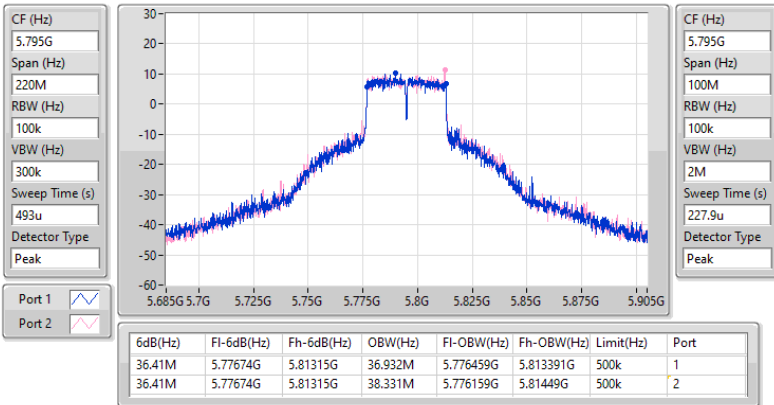


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5795MHz

11/09/2023

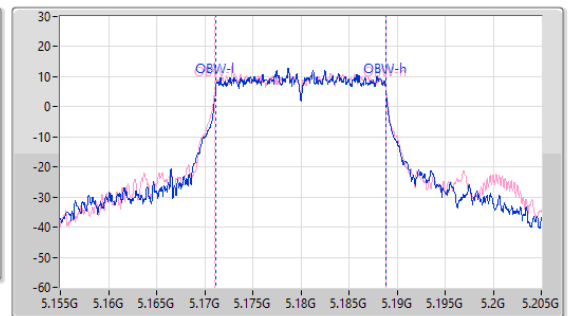
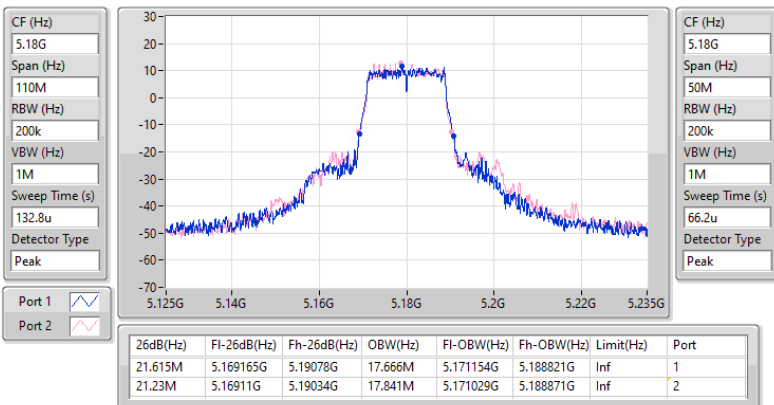


5.15-5.25GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

10/11/2023

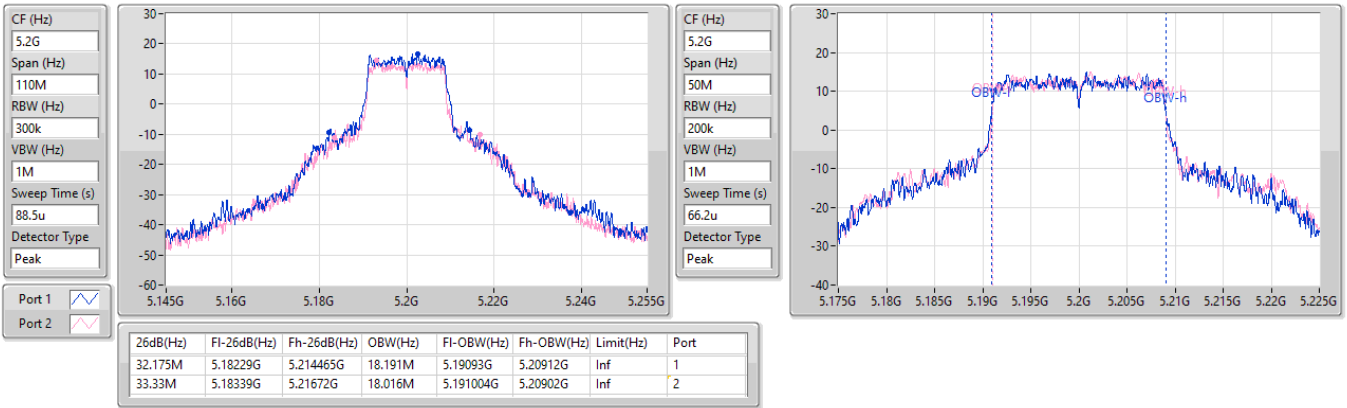


5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

10/11/2023

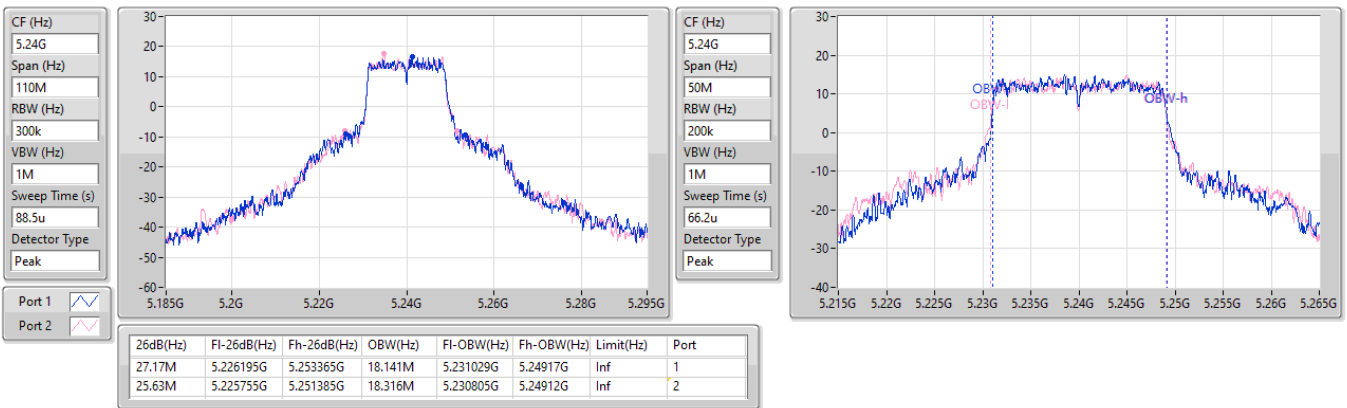


5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

10/11/2023

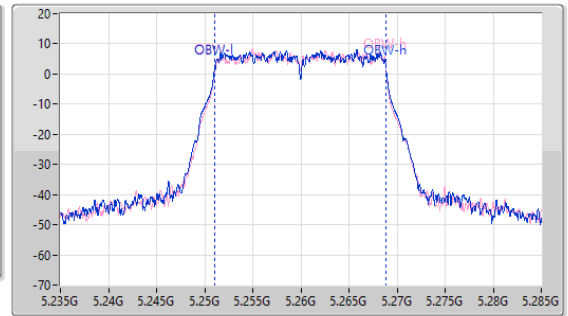
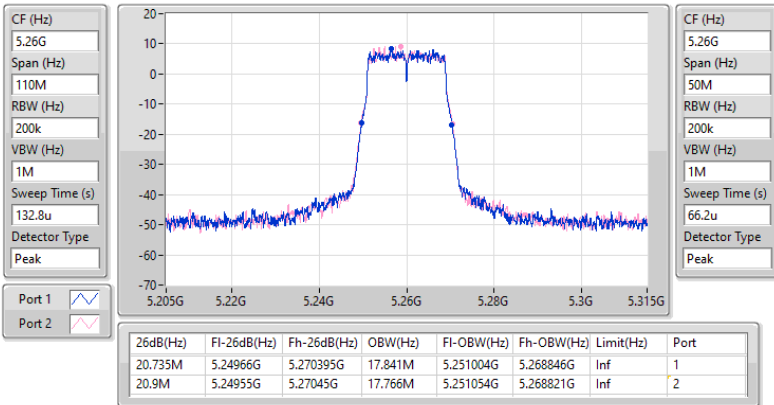


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

11/09/2023

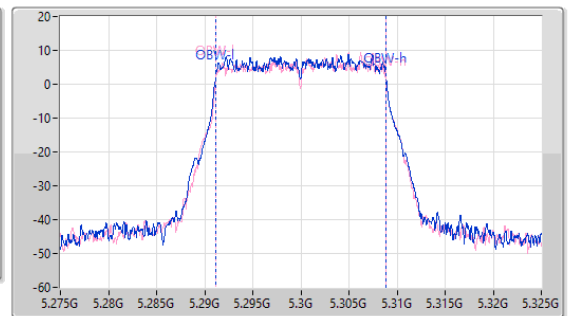
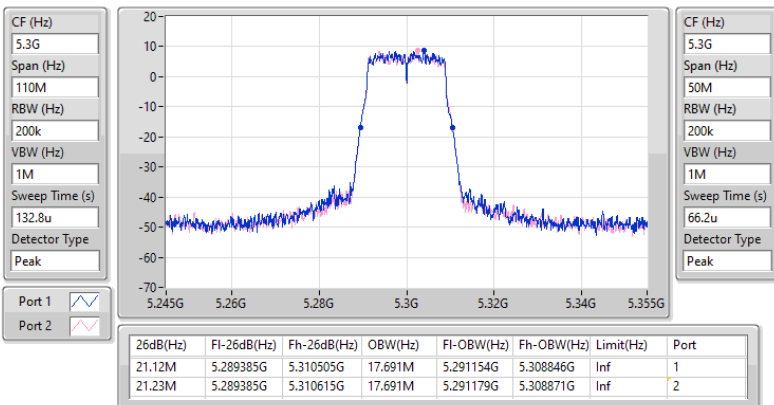


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

11/09/2023

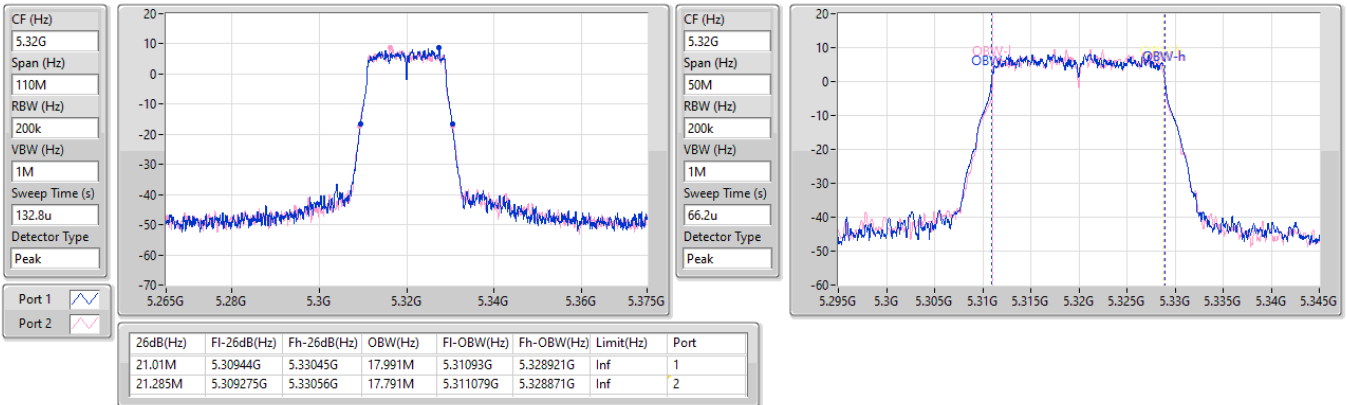


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

11/09/2023

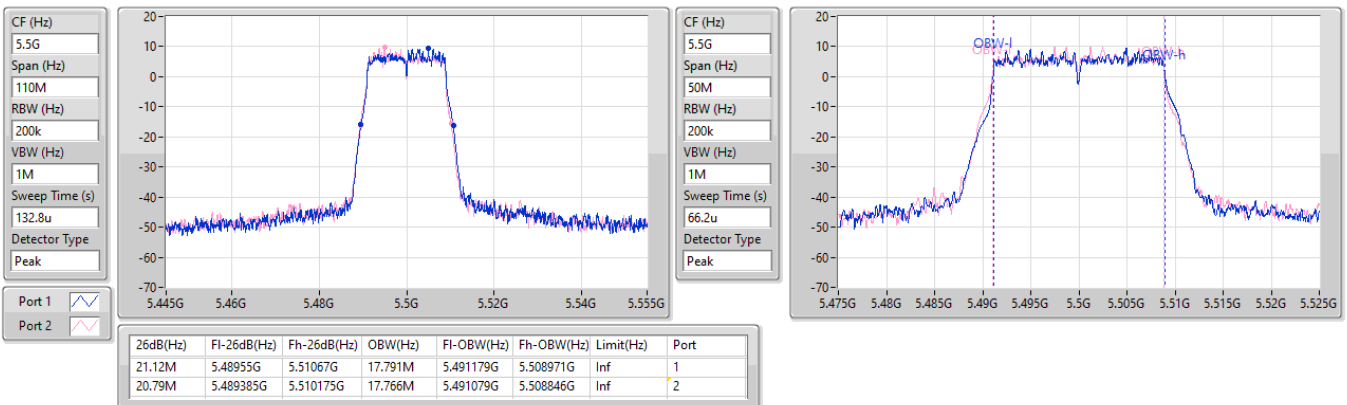


5.47-5.725GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

11/09/2023

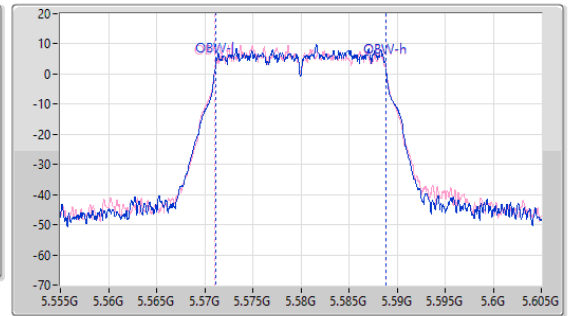
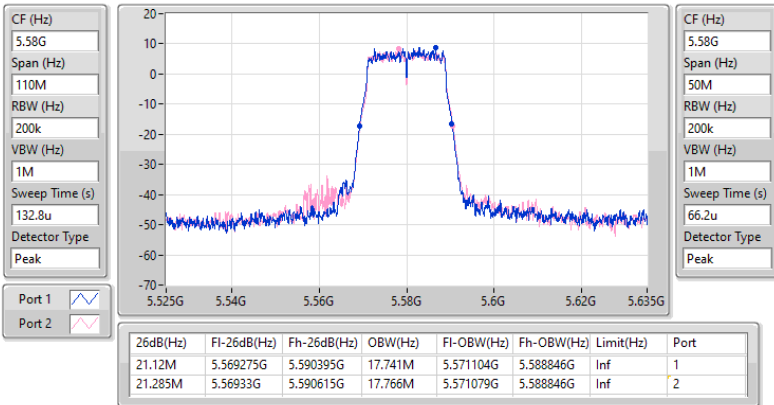


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

11/09/2023

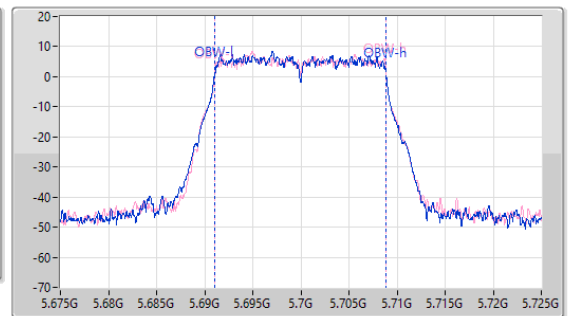
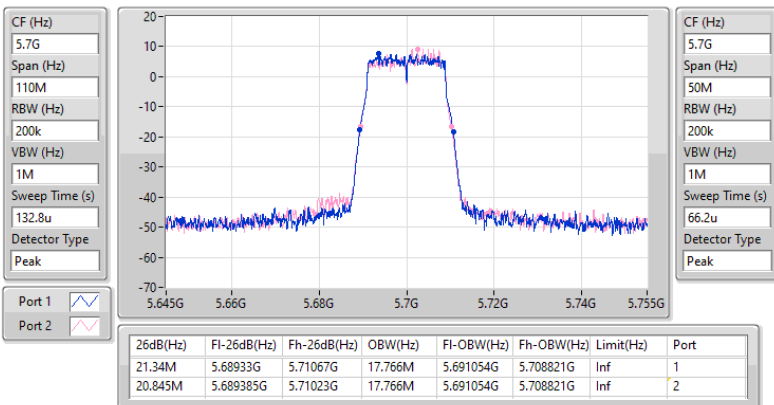


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

11/09/2023

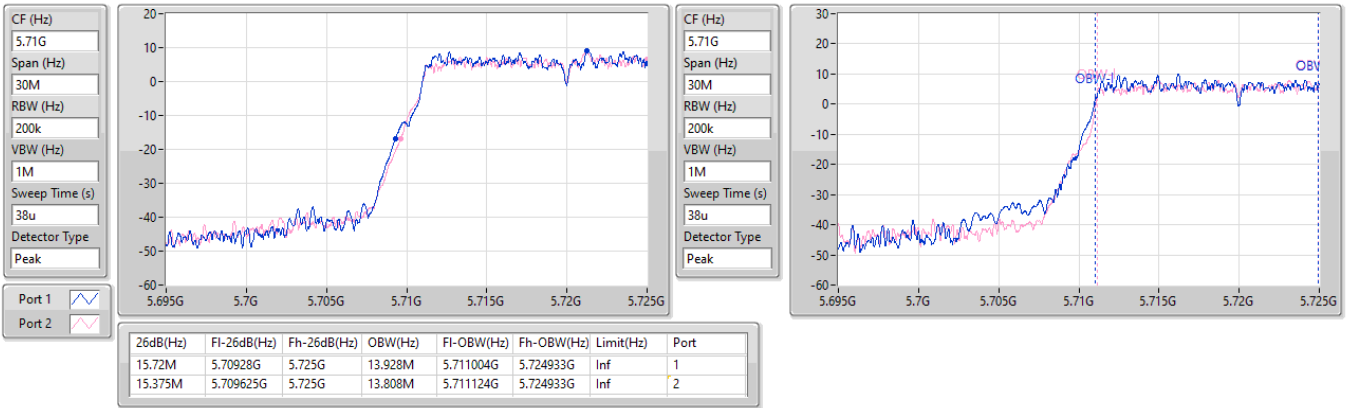


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/09/2023

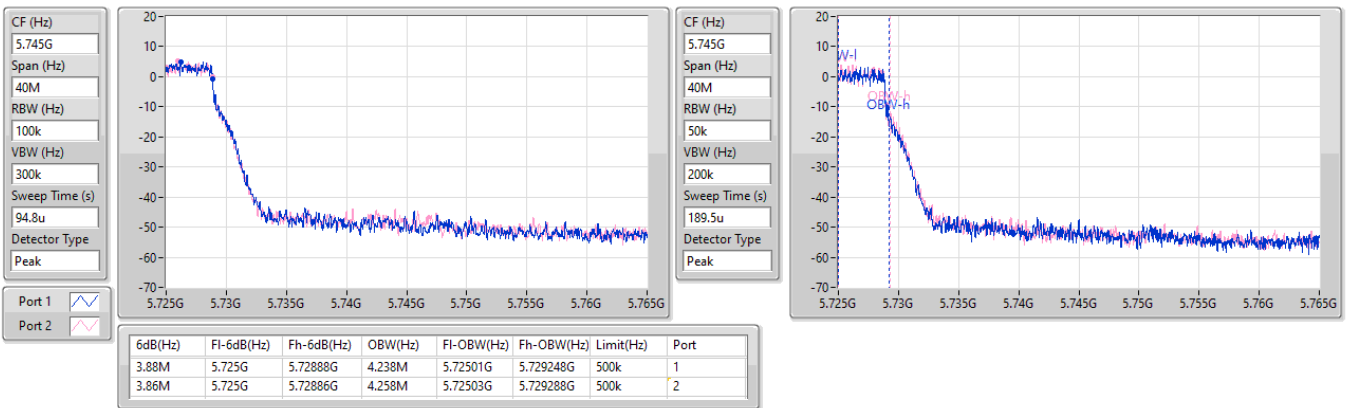


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/09/2023

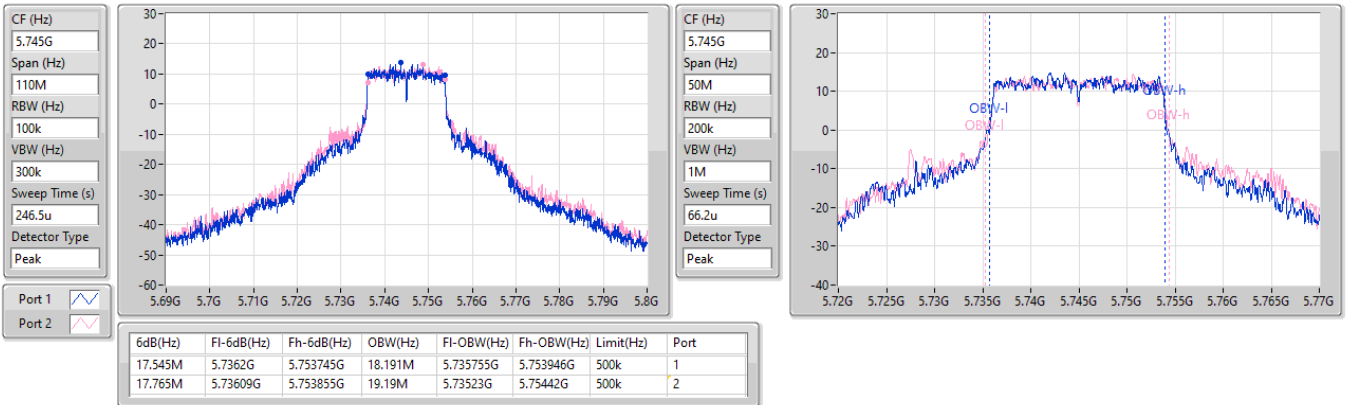


5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

11/09/2023

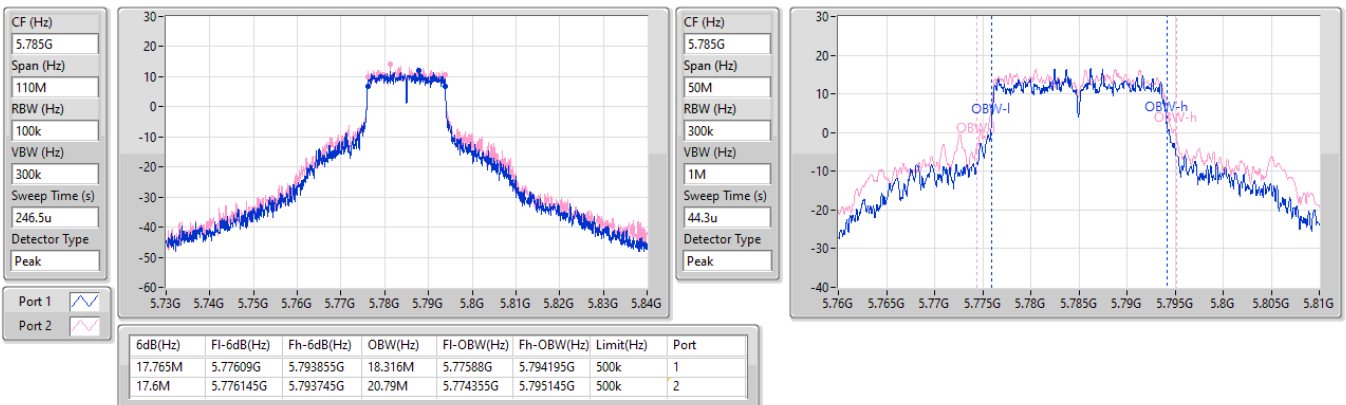


5.725-5.85GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

11/09/2023

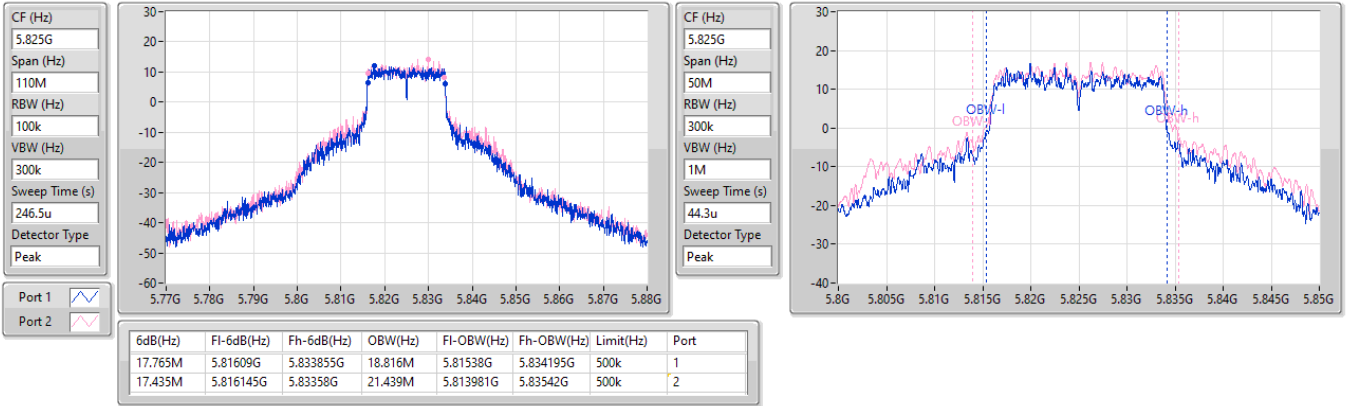


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

11/09/2023

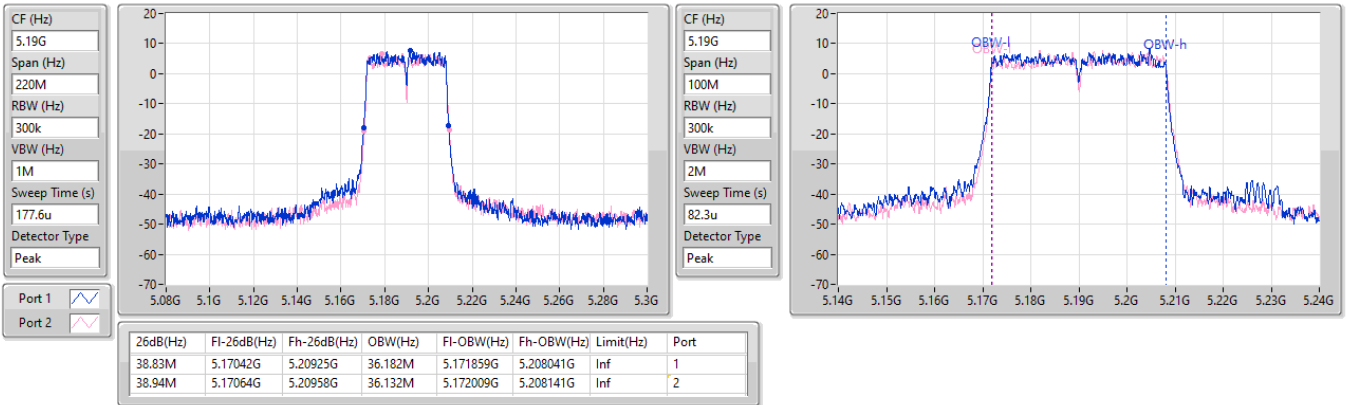


5.15-5.25GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

10/11/2023

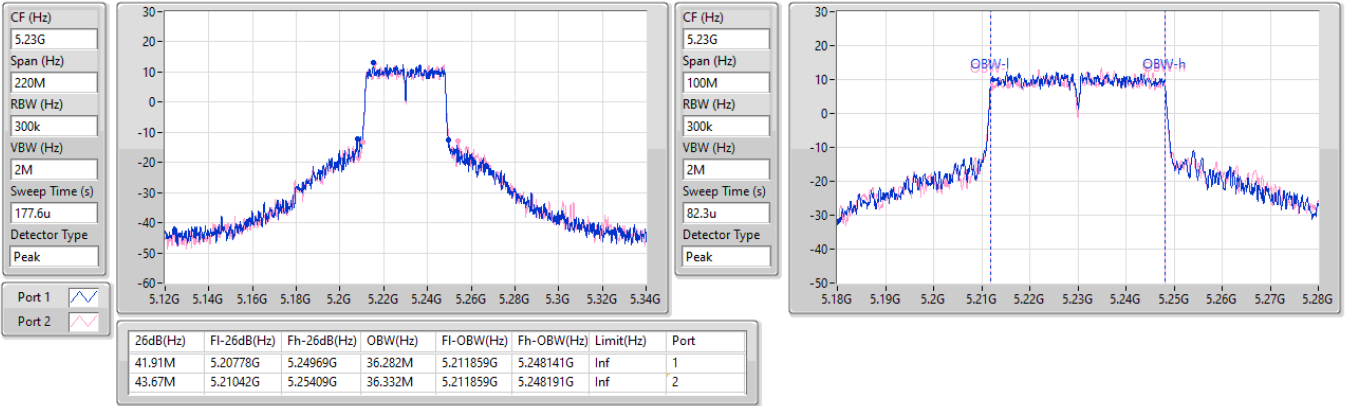


5.15-5.25GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

10/11/2023

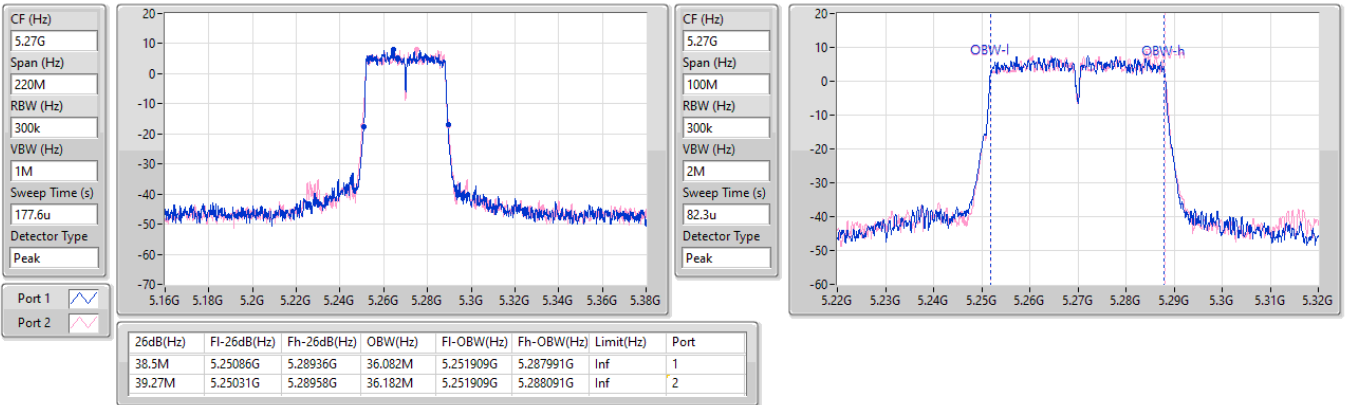


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

11/09/2023

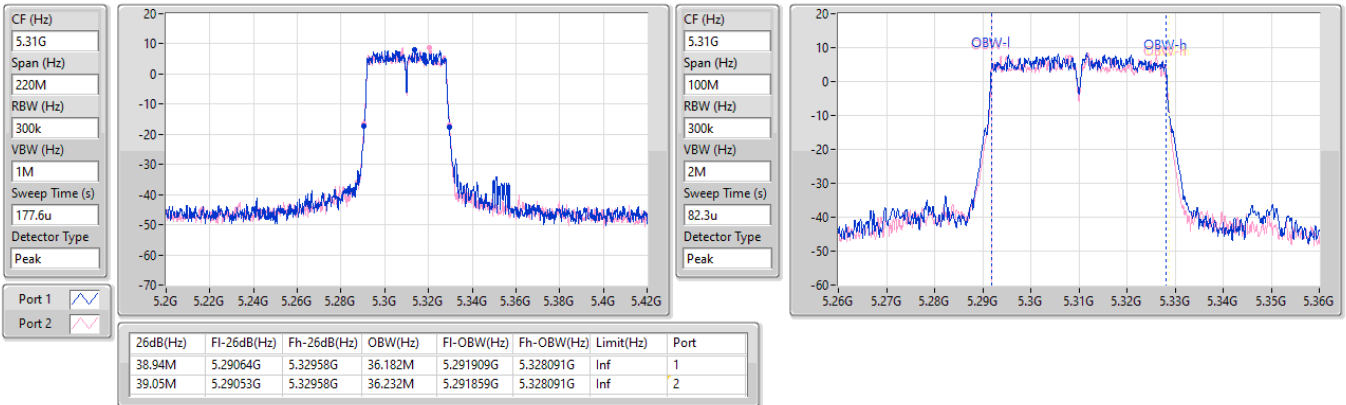


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

11/09/2023

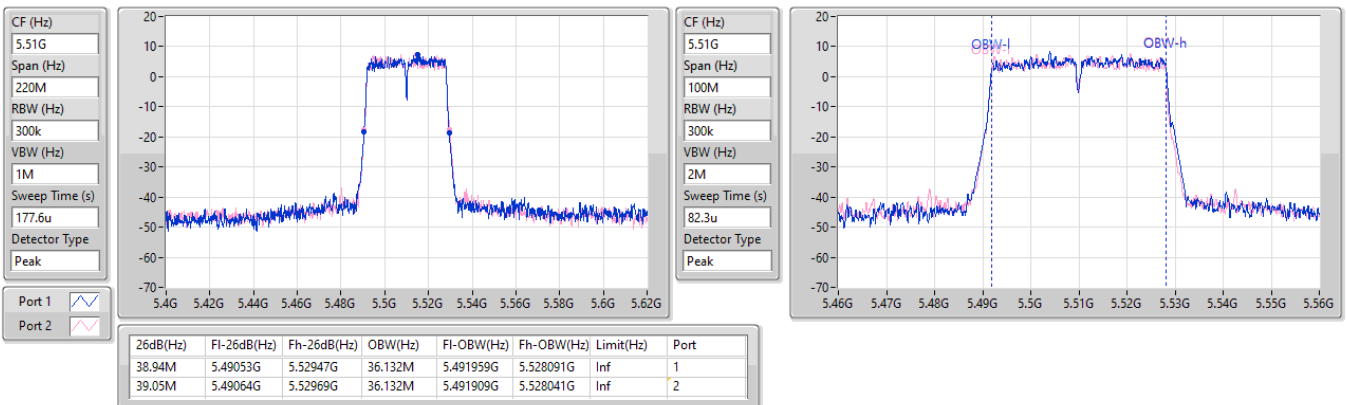


5.47-5.725GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

11/09/2023

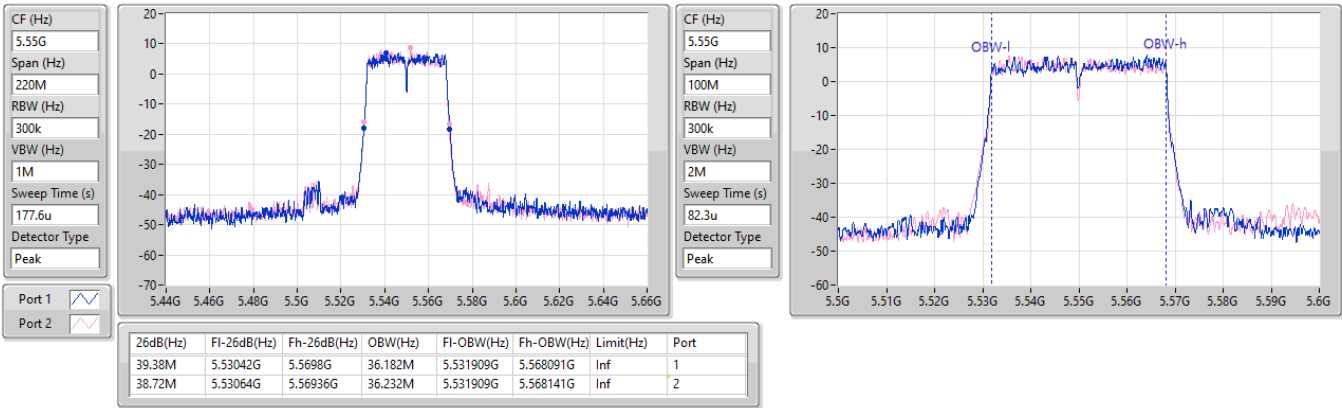


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

11/09/2023

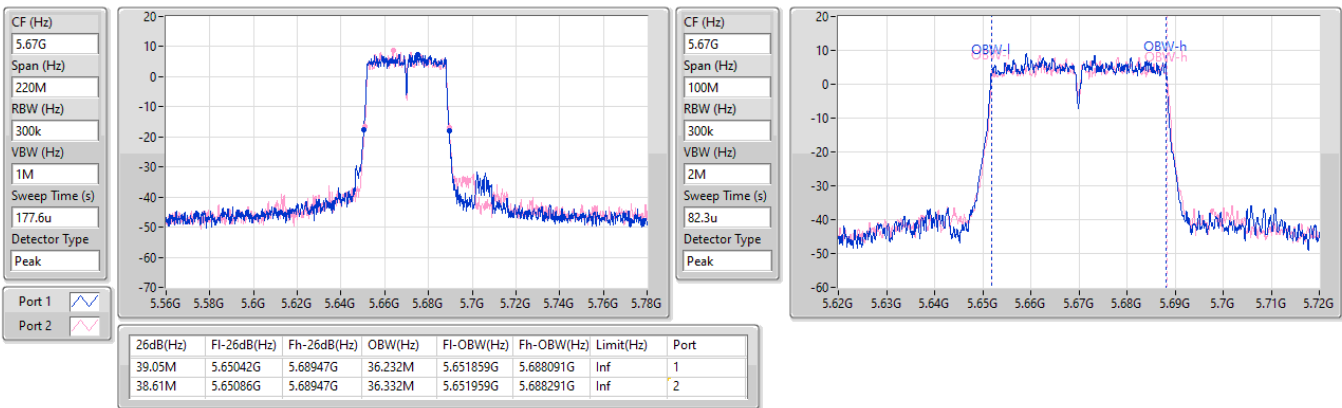


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

11/09/2023

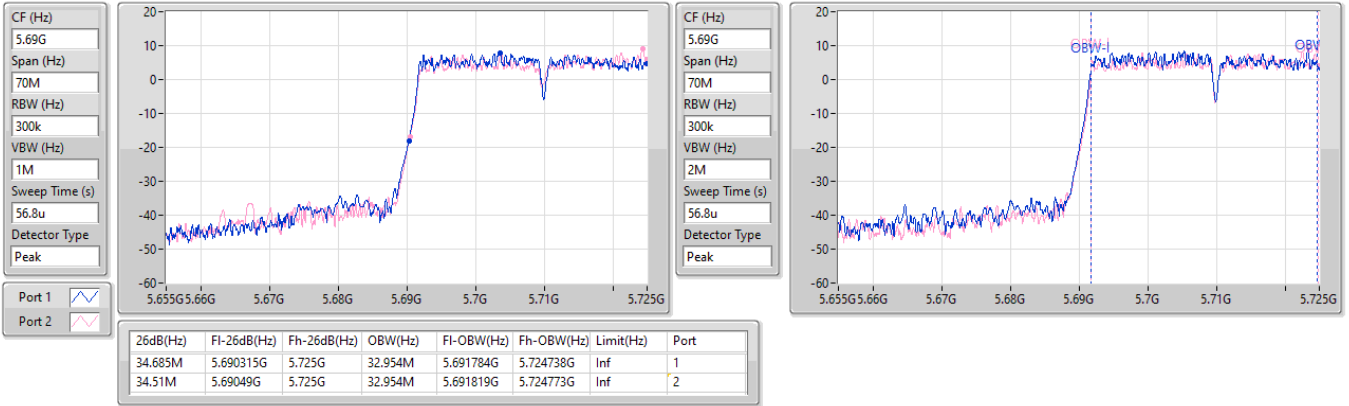


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

11/09/2023

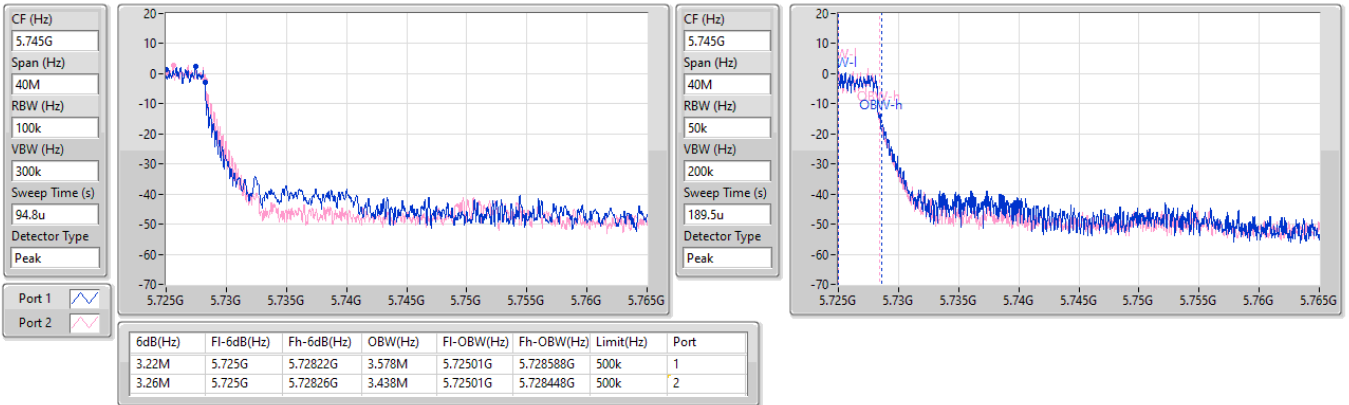


5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/09/2023

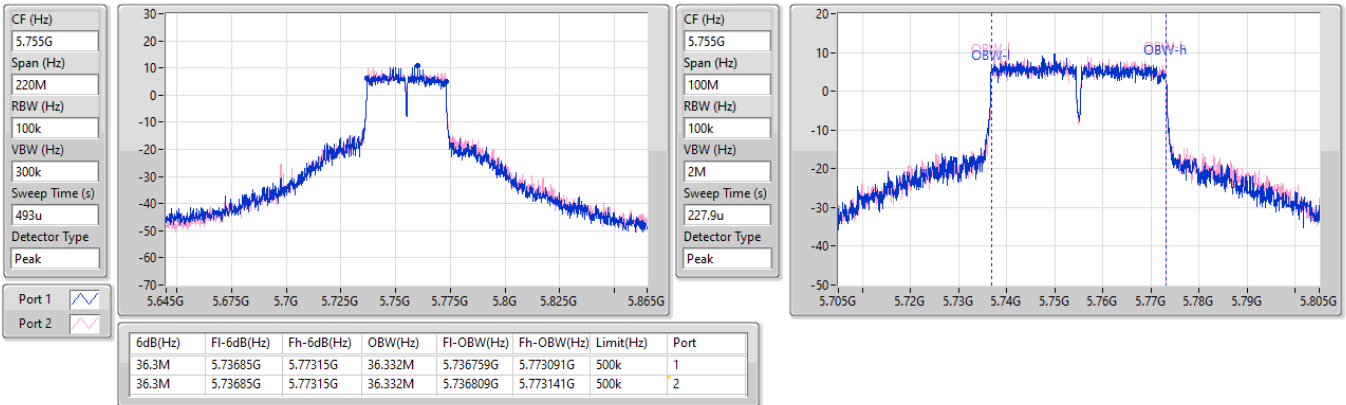


5.725-5.85GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5755MHz

11/09/2023

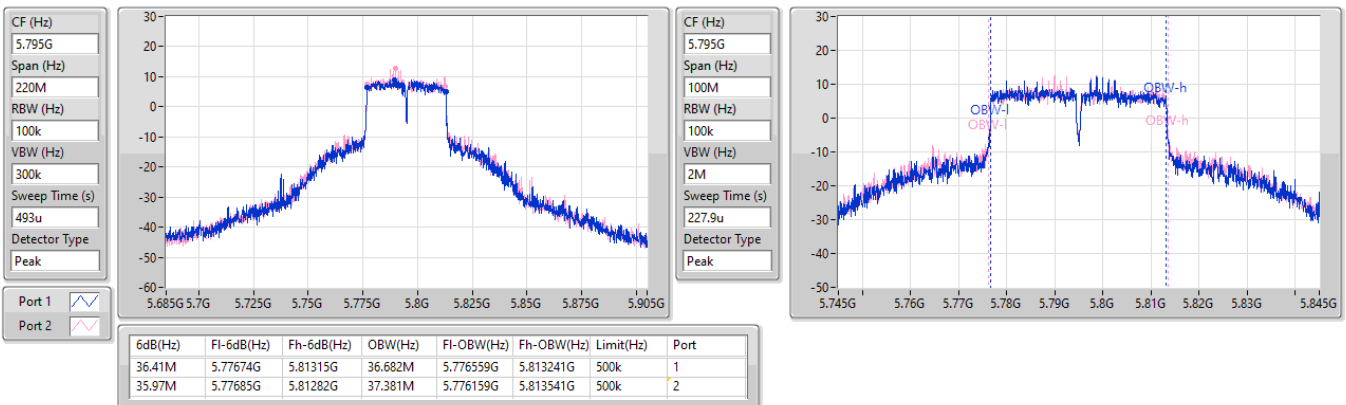


5.725-5.85GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5795MHz

11/09/2023

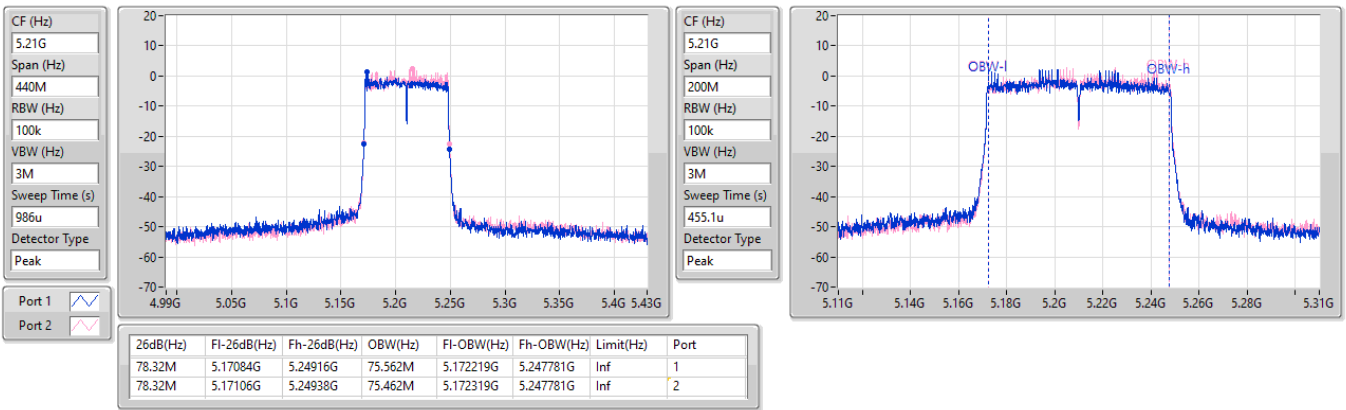


5.15-5.25GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

10/11/2023

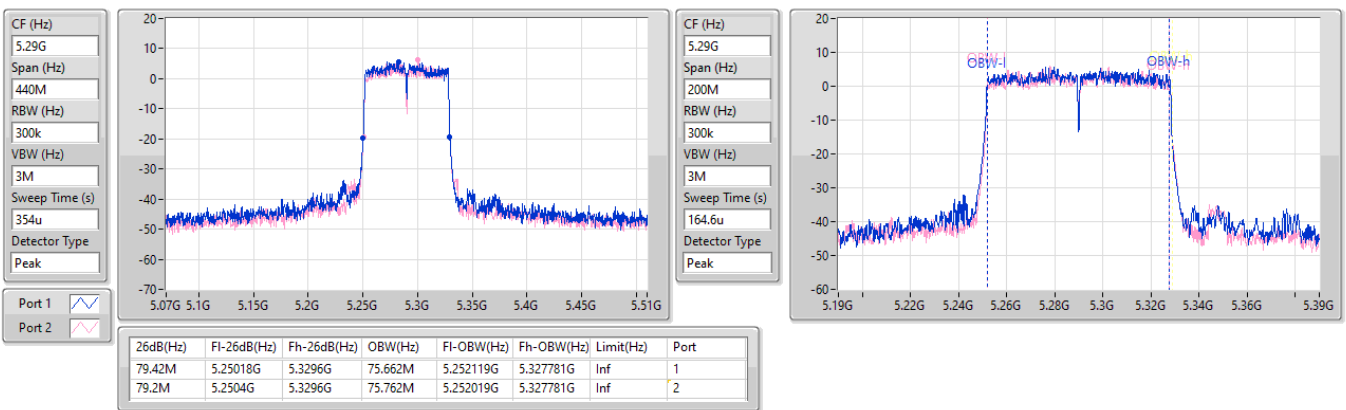


5.25-5.35GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

11/09/2023

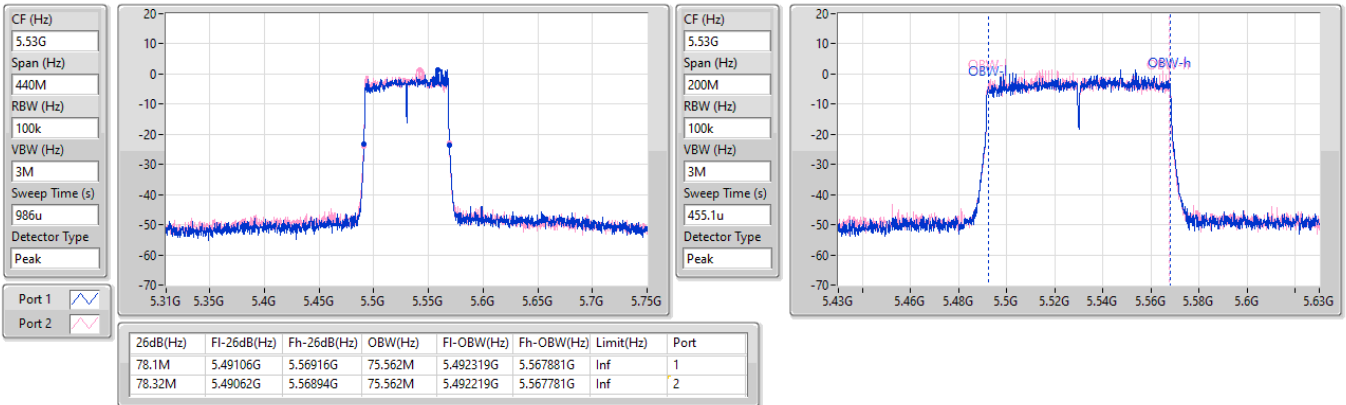


5.47-5.725GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

11/09/2023

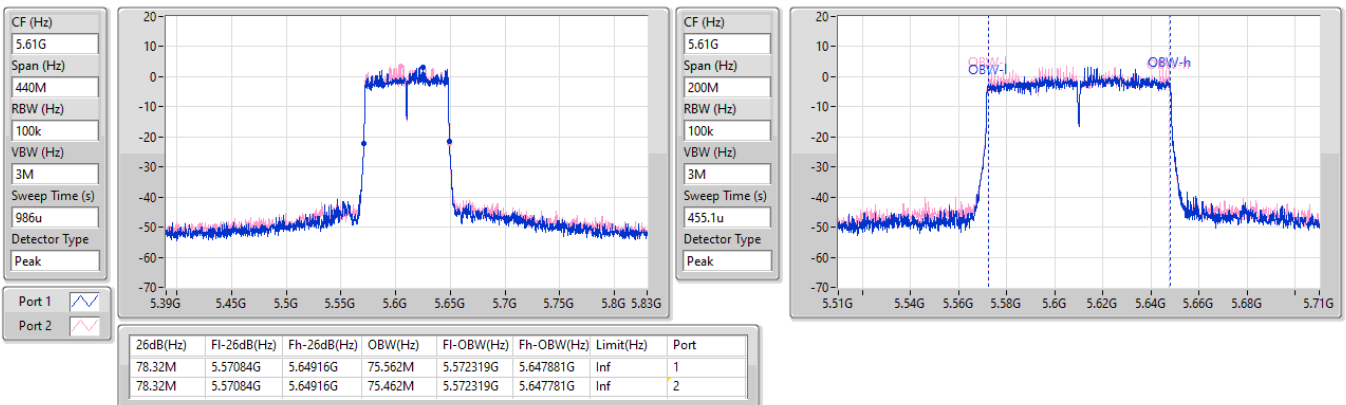


5.47-5.725GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

11/09/2023

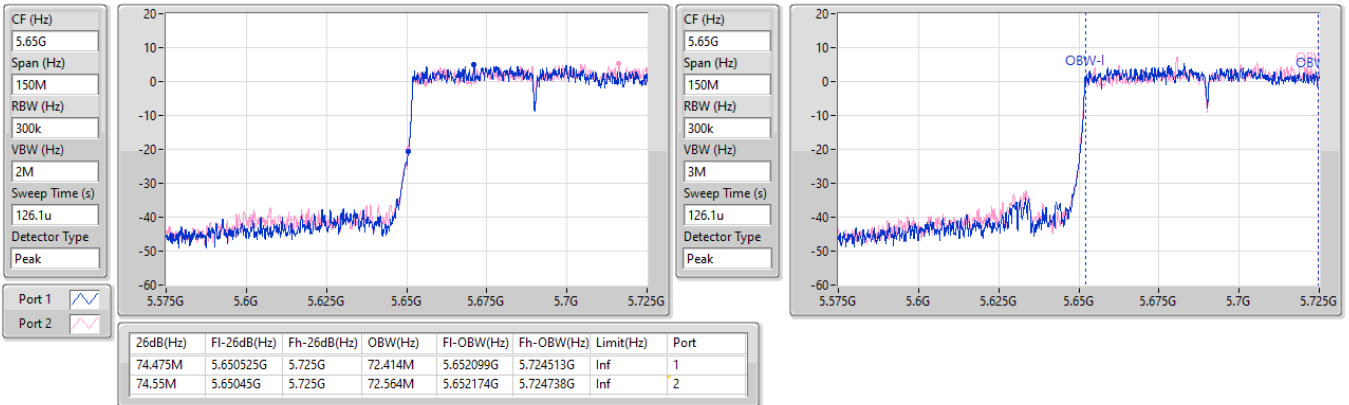


5.47-5.725GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

11/09/2023

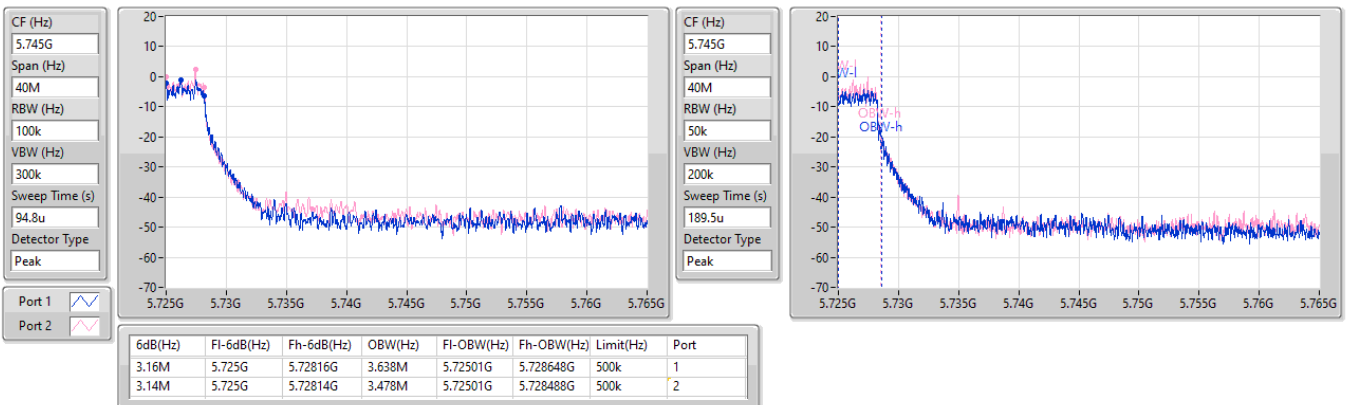


5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/09/2023



5.725-5.85GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

11/09/2023

CF (Hz)
5.775G

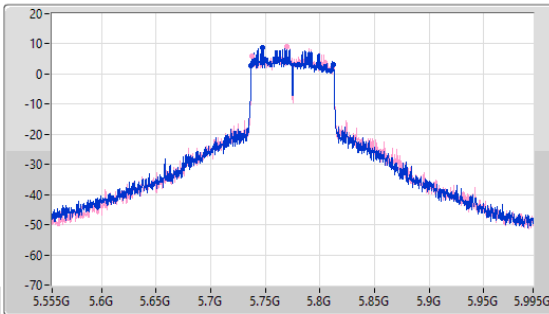
Span (Hz)
440M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
986u

Detector Type
Peak



CF (Hz)
5.775G

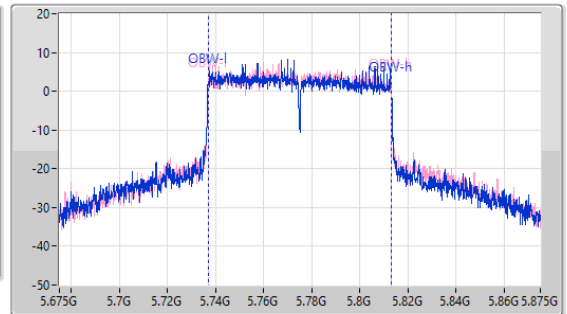
Span (Hz)
200M

RBW (Hz)
100k

VBW (Hz)
3M

Sweep Time (s)
455.1u

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.9M	5.73672G	5.81262G	76.062M	5.736819G	5.812881G	500k	1
74.8M	5.73738G	5.81218G	75.962M	5.736919G	5.812881G	500k	2

5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

10/11/2023

CF (Hz)
5.18G

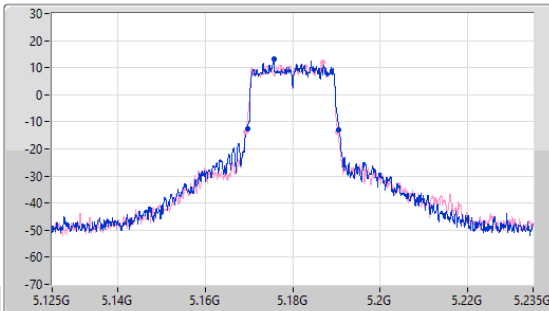
Span (Hz)
110M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
132.8u

Detector Type
Peak



CF (Hz)
5.18G

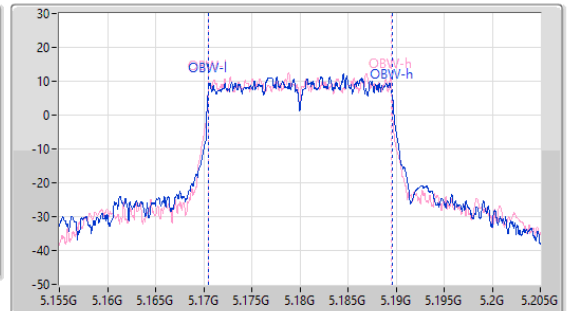
Span (Hz)
50M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
66.2u

Detector Type
Peak



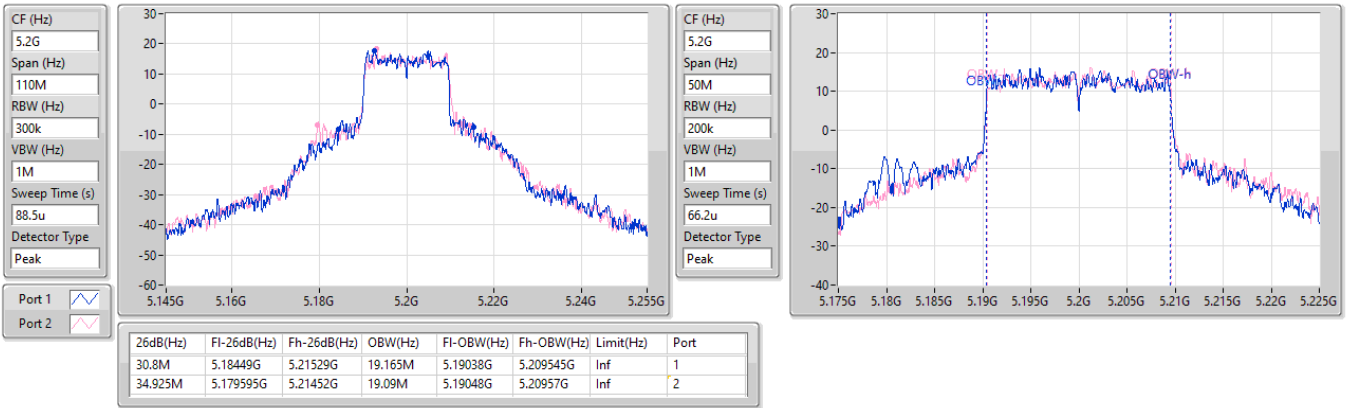
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	5.169605G	5.190615G	19.09M	5.170505G	5.189595G	Inf	1
21.065M	5.169275G	5.19034G	18.991M	5.170505G	5.189495G	Inf	2

5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

10/11/2023

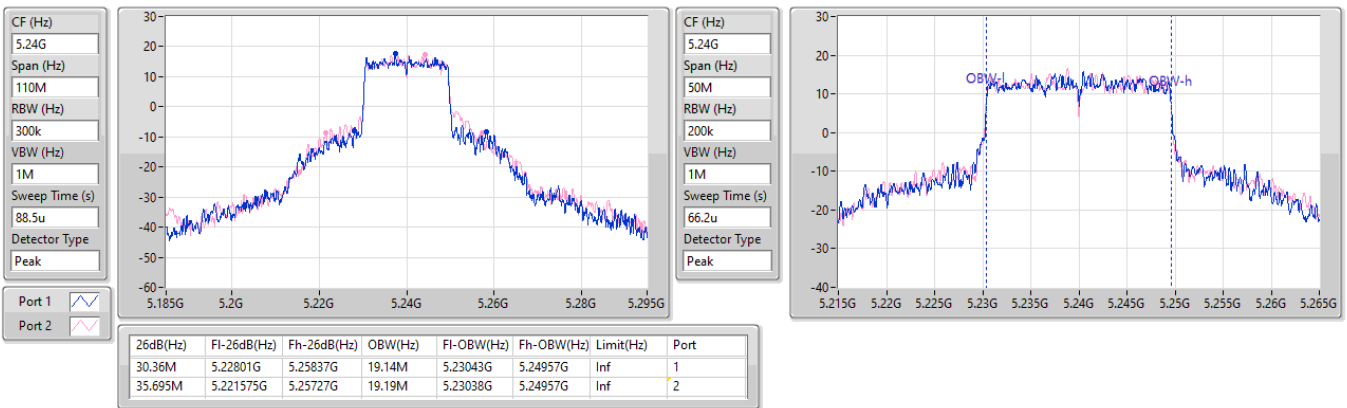


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

10/11/2023

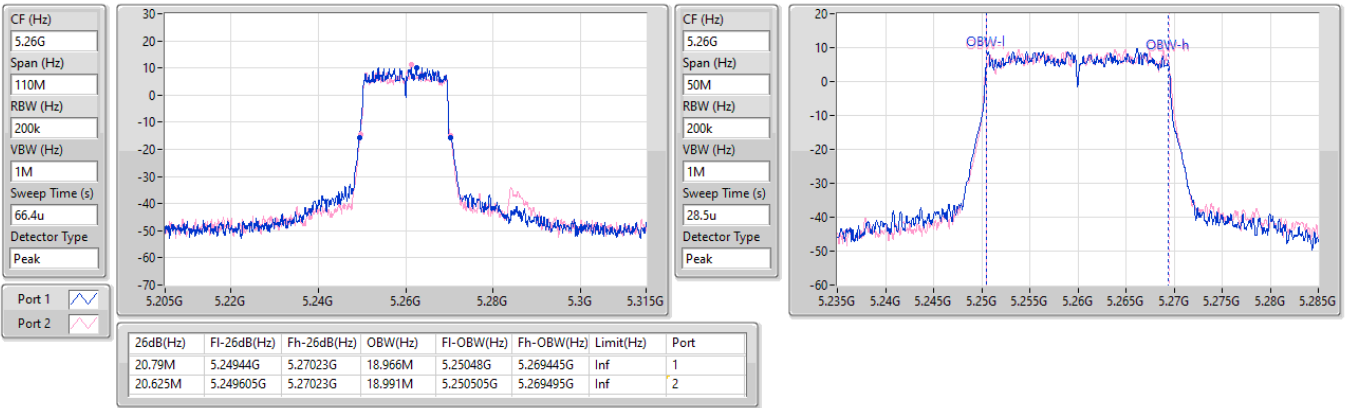


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

05/09/2023

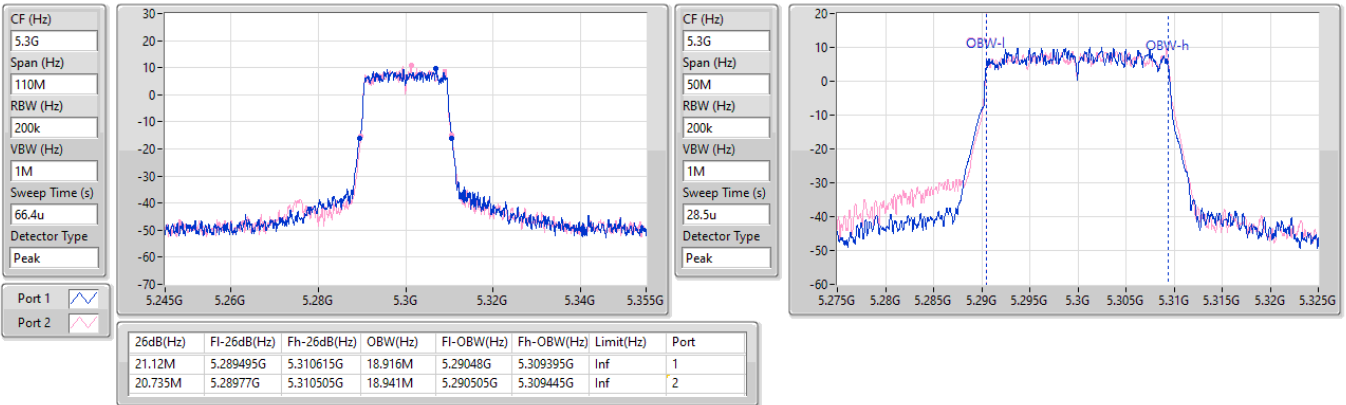


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

05/09/2023

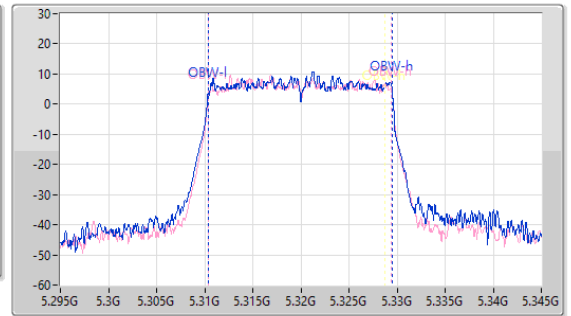
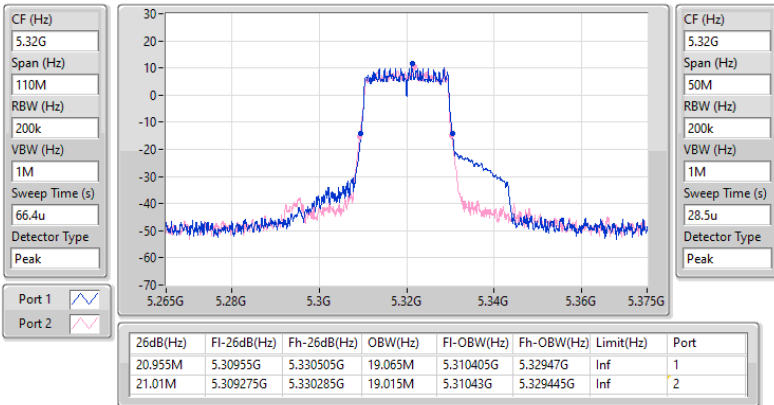


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

05/09/2023

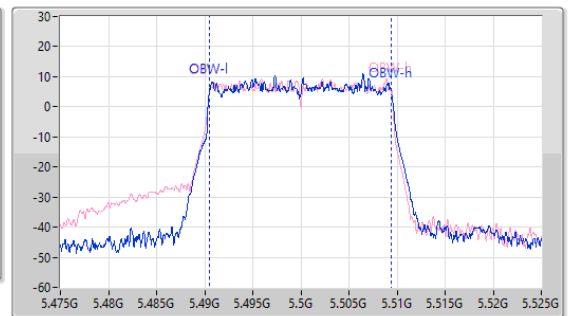
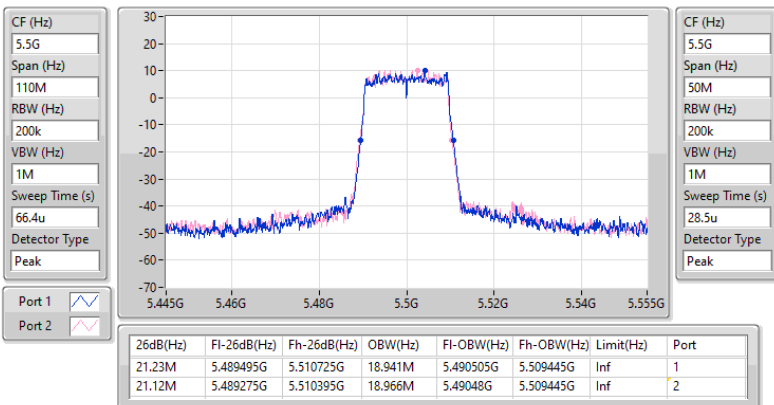


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

05/09/2023

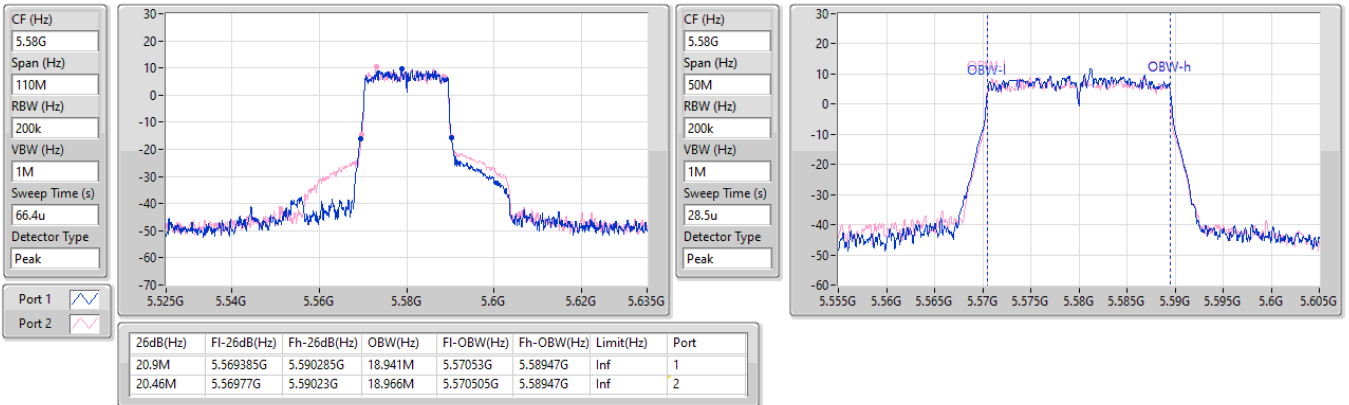


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

05/09/2023

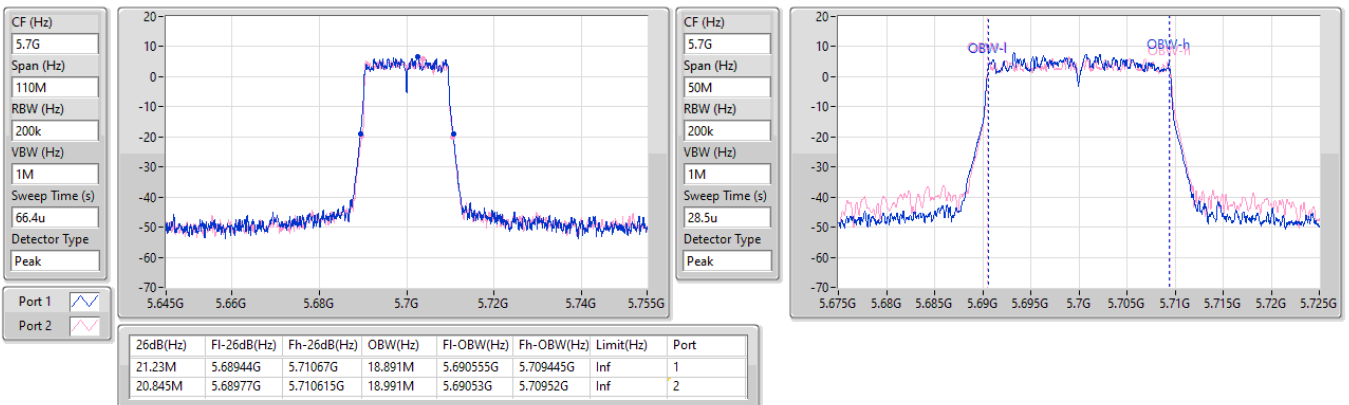


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

05/09/2023

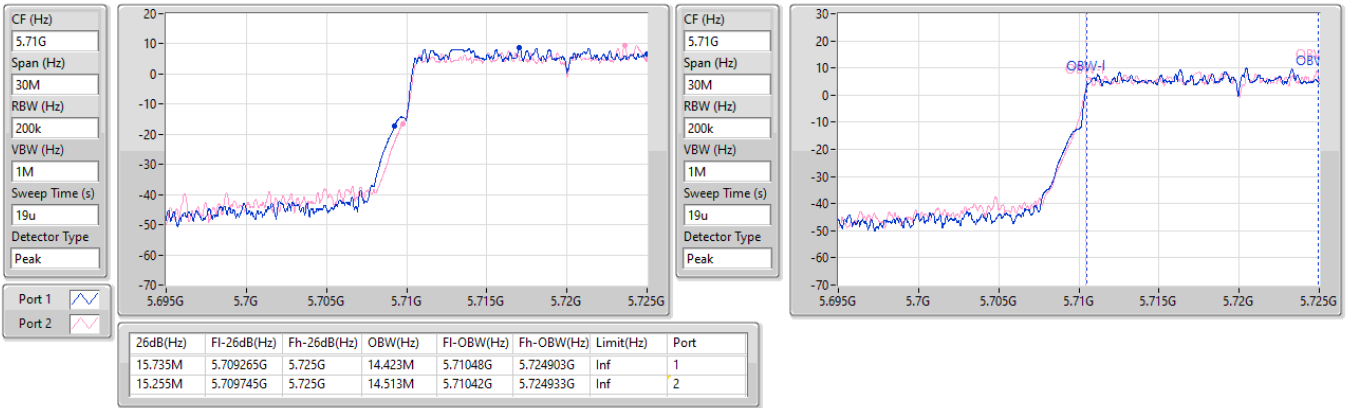


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/09/2023

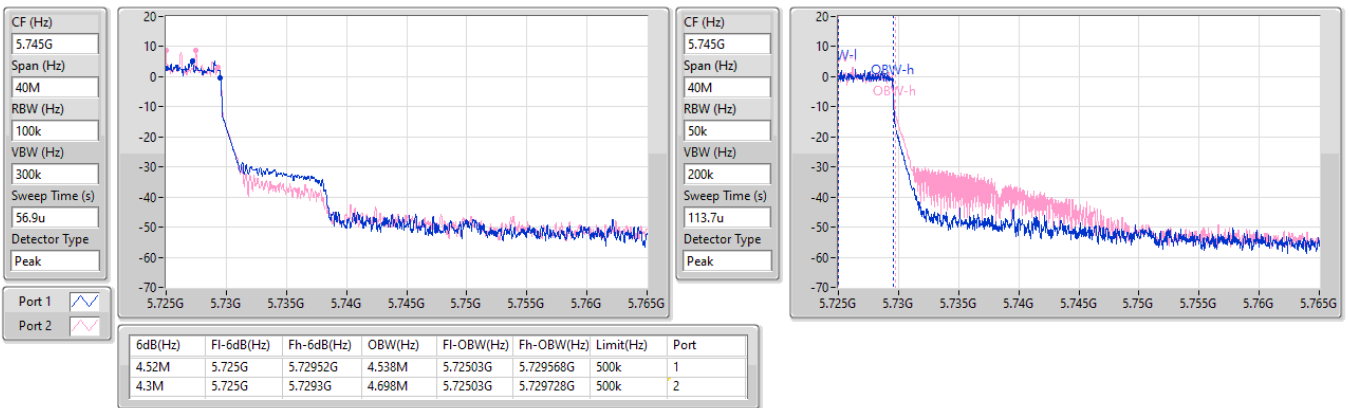


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2023

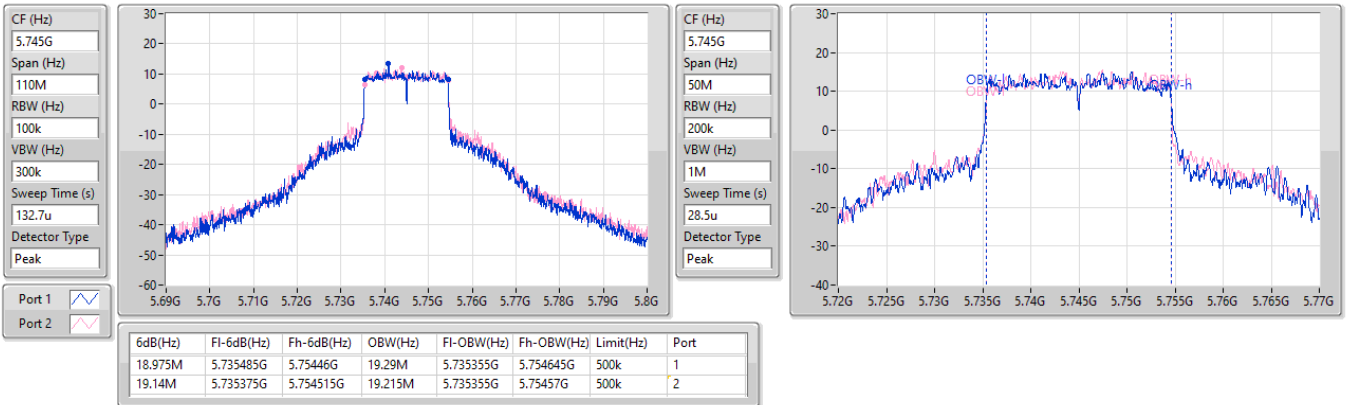


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

05/09/2023

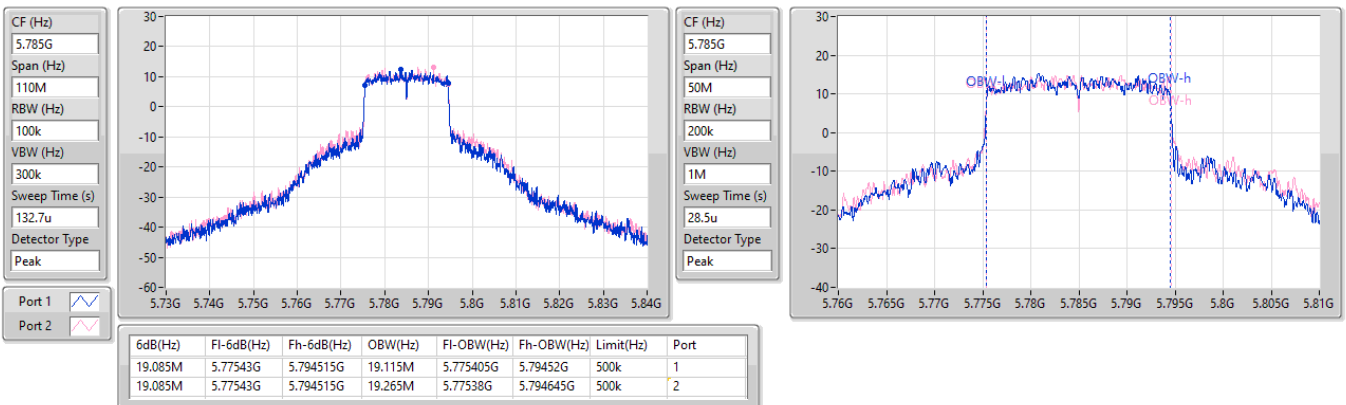


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5785MHz

05/09/2023

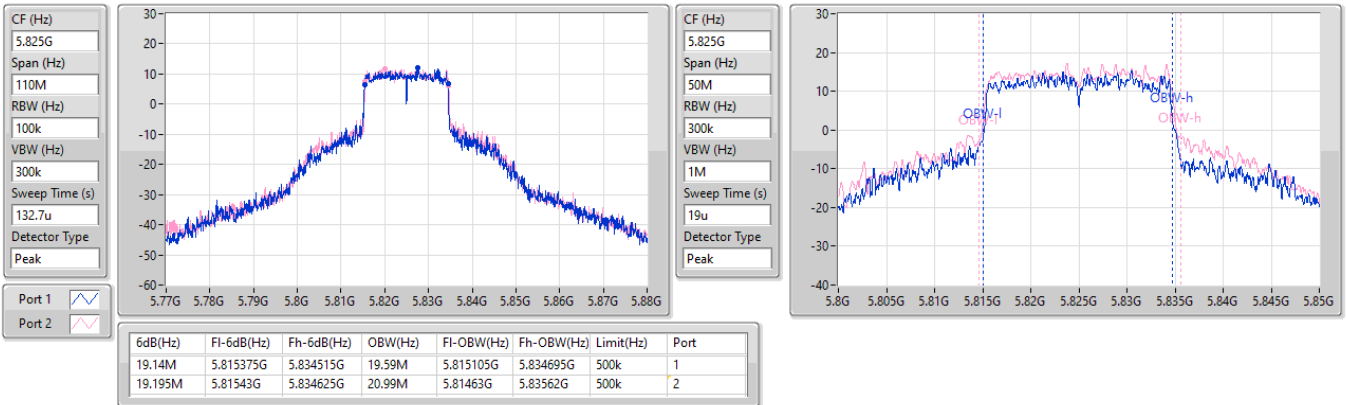


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

05/09/2023

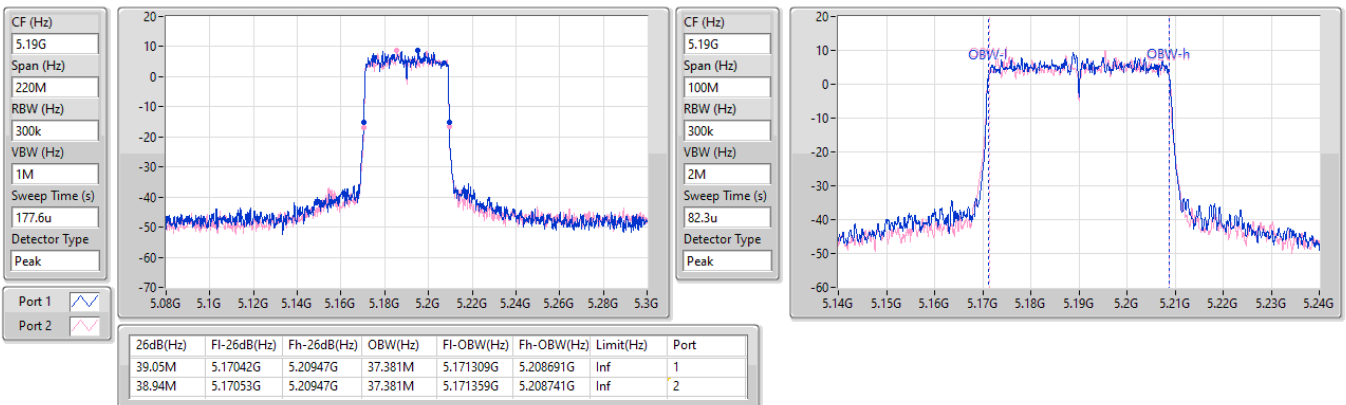


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

10/11/2023

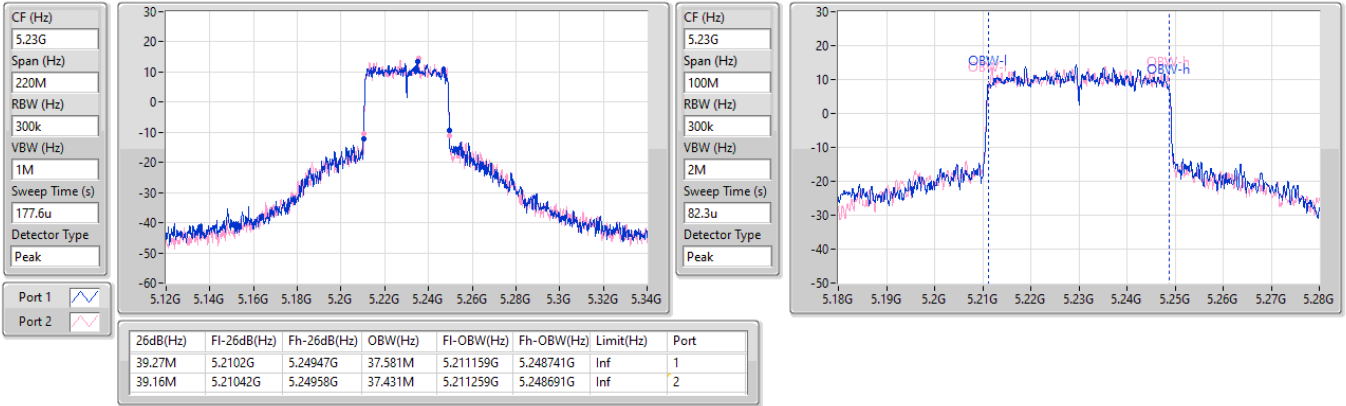


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

10/11/2023

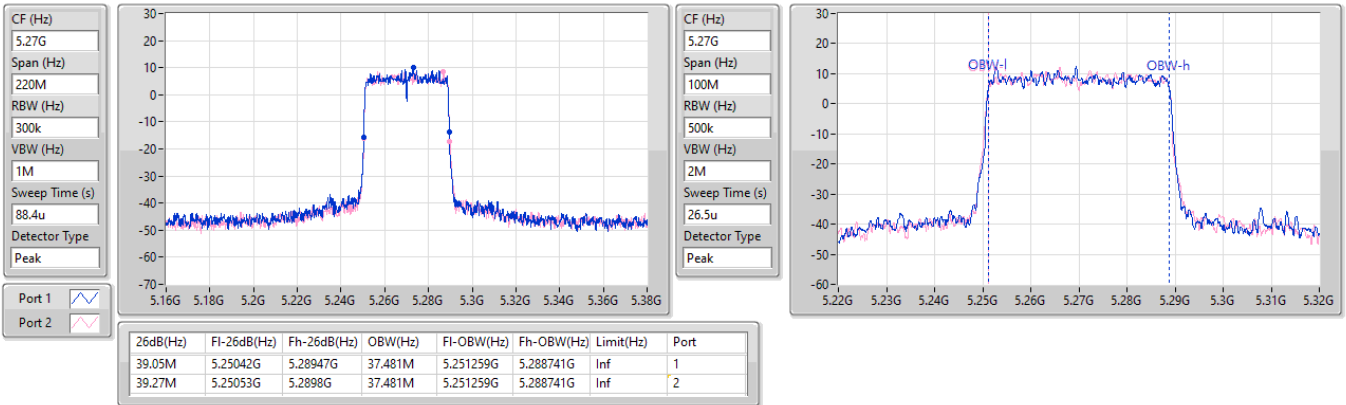


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

05/09/2023

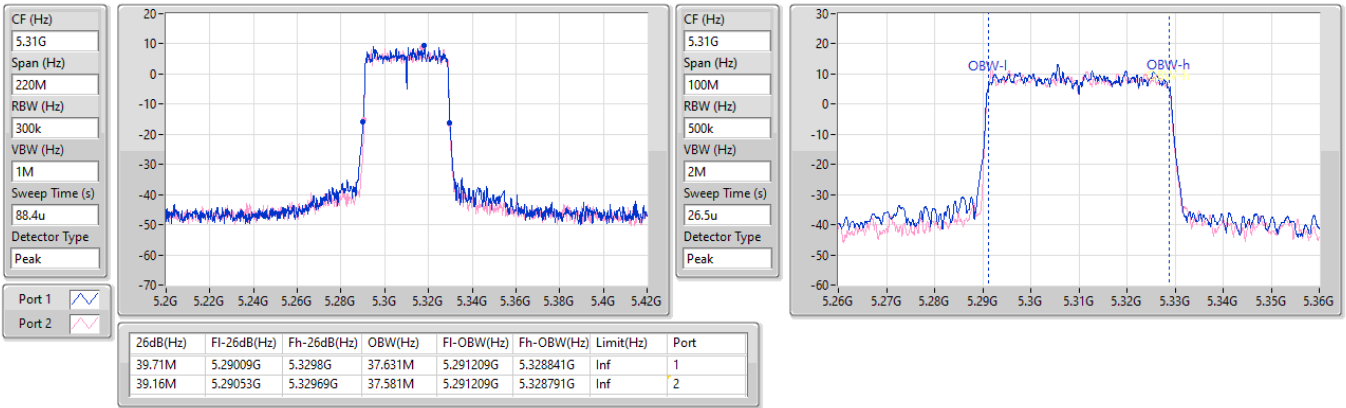


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

05/09/2023

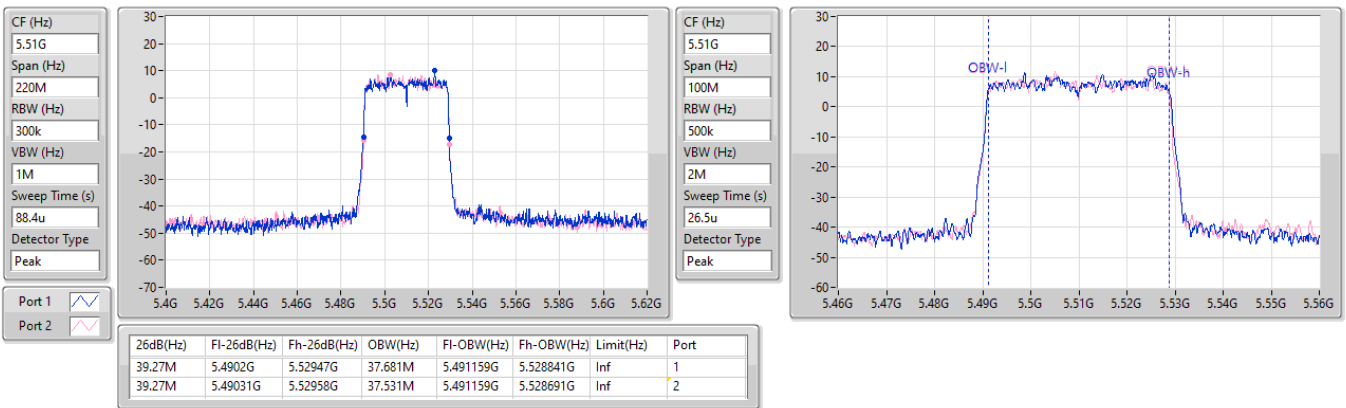


5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

05/09/2023



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

05/09/2023

CF (Hz)
5.59G

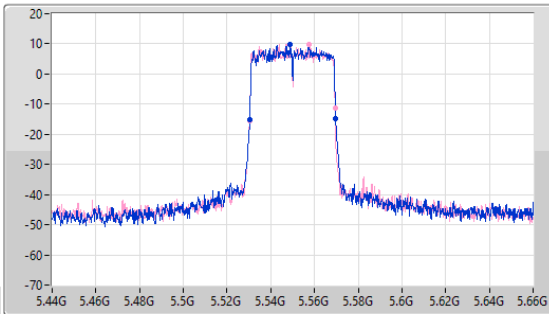
Span (Hz)
220M

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
88.4u

Detector Type
Peak



CF (Hz)
5.55G

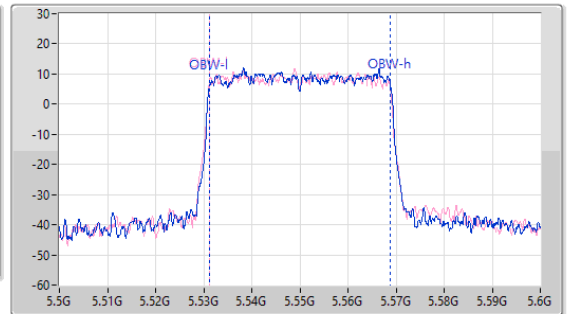
Span (Hz)
100M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
26.5u

Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	5.53042G	5.56969G	37.581M	5.531259G	5.568841G	Inf	1
39.05M	5.53031G	5.56936G	37.531M	5.531159G	5.568691G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

05/09/2023

CF (Hz)
5.67G

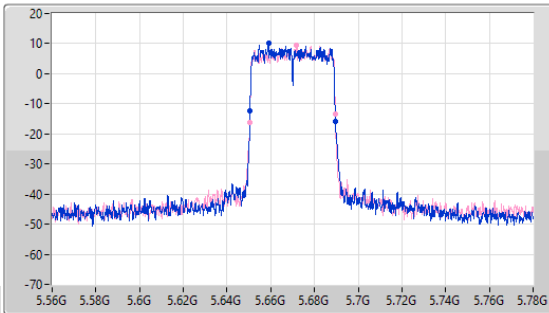
Span (Hz)
220M

RBW (Hz)
300k

VBW (Hz)
1M

Sweep Time (s)
88.4u

Detector Type
Peak



CF (Hz)
5.67G

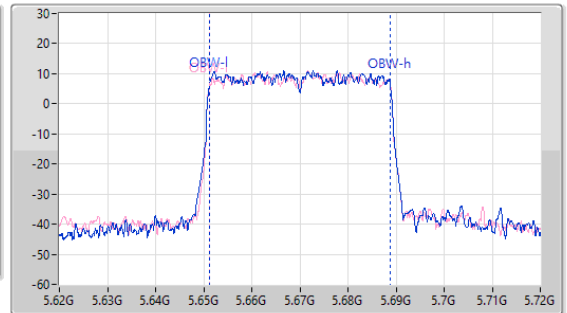
Span (Hz)
100M

RBW (Hz)
500k

VBW (Hz)
2M

Sweep Time (s)
26.5u

Detector Type
Peak



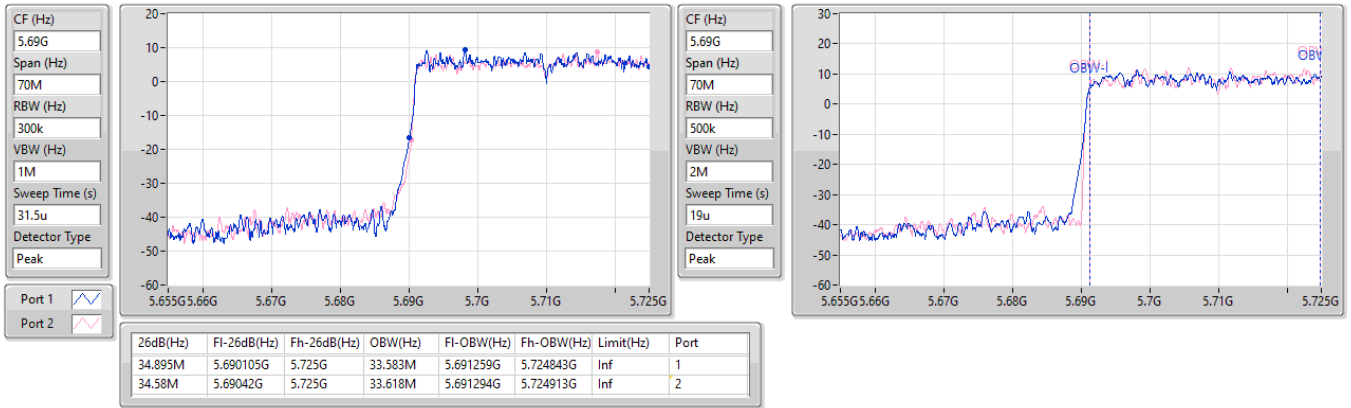
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.94M	5.65053G	5.68947G	37.481M	5.651259G	5.688741G	Inf	1
39.05M	5.65042G	5.68947G	37.581M	5.651209G	5.688791G	Inf	2

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/09/2023

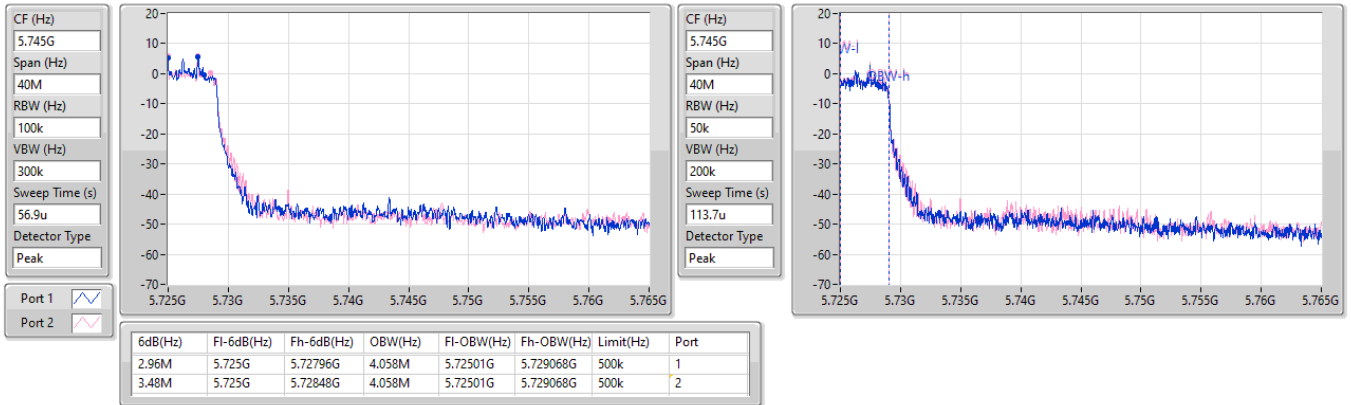


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/09/2023

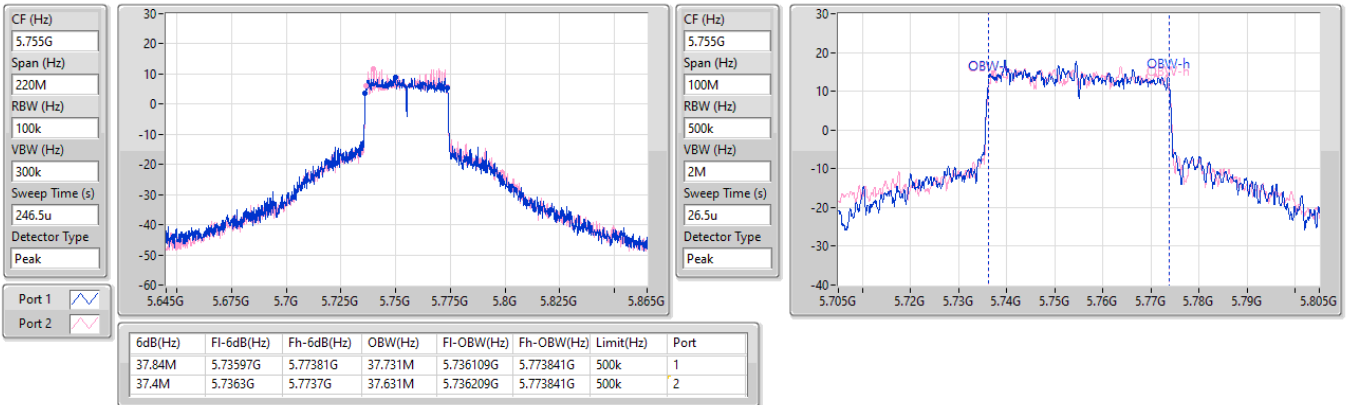


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

05/09/2023

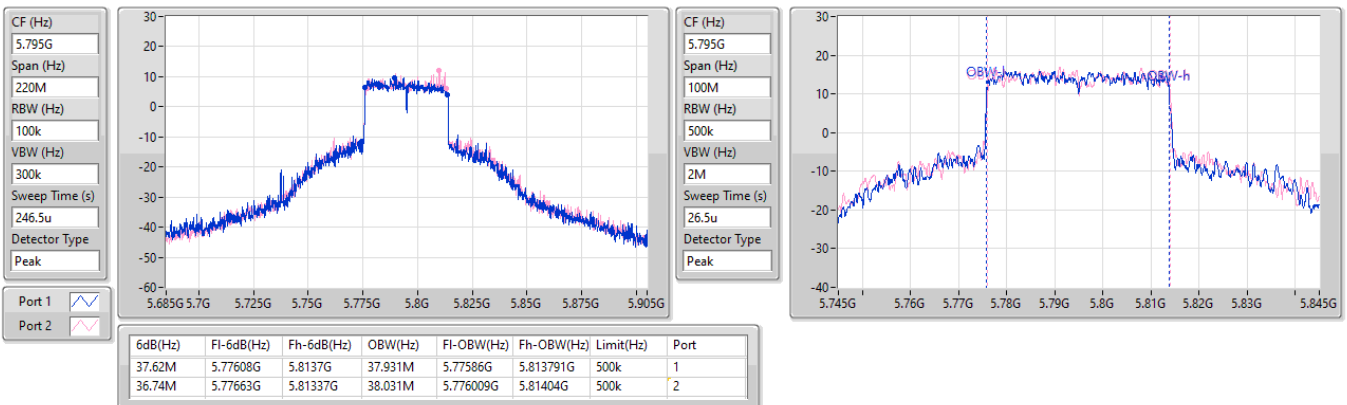


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

05/09/2023

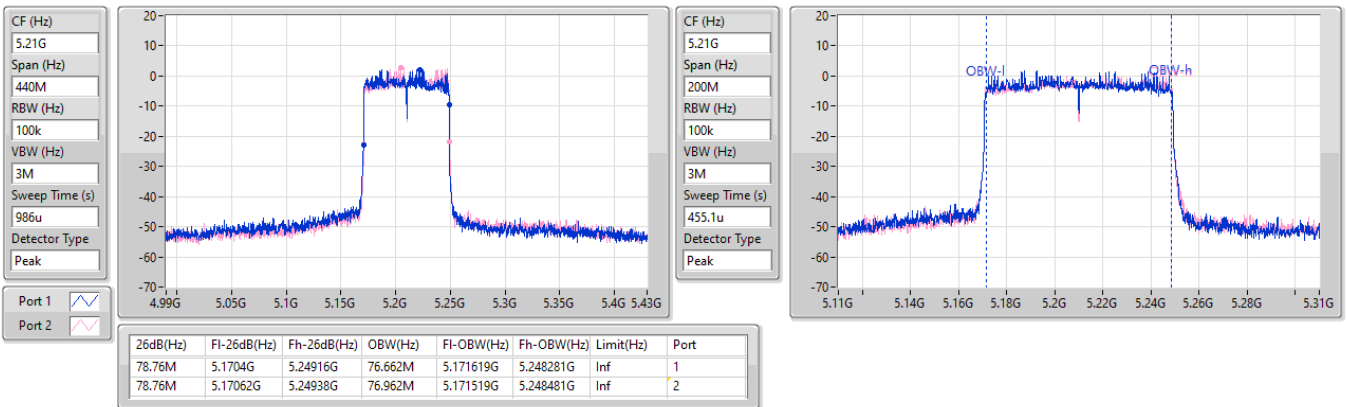


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

10/11/2023

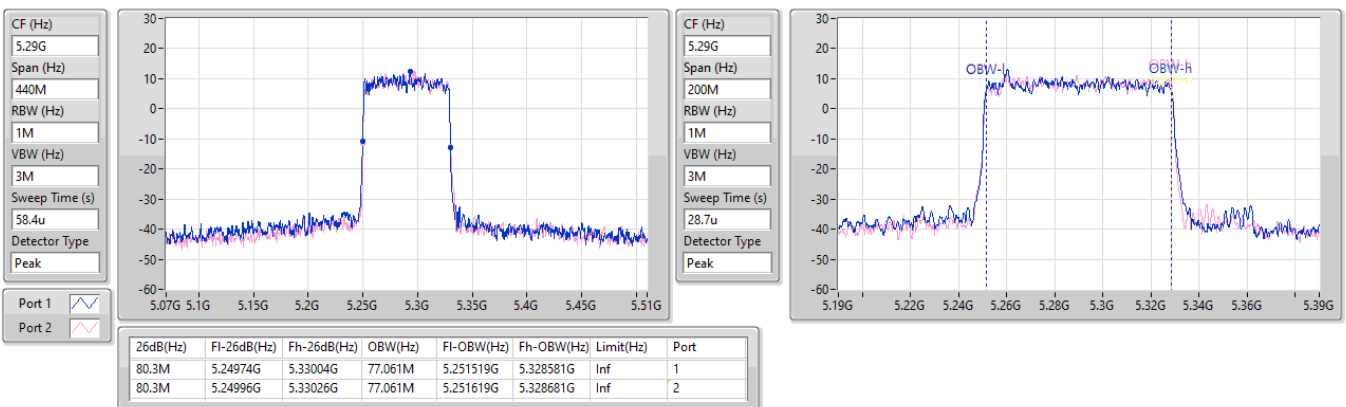


5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

05/09/2023

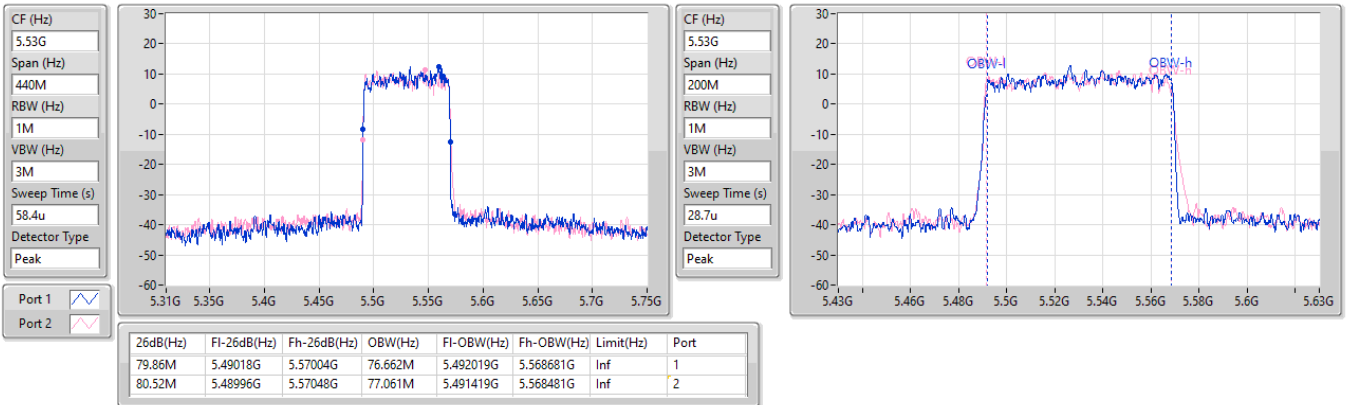


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

05/09/2023

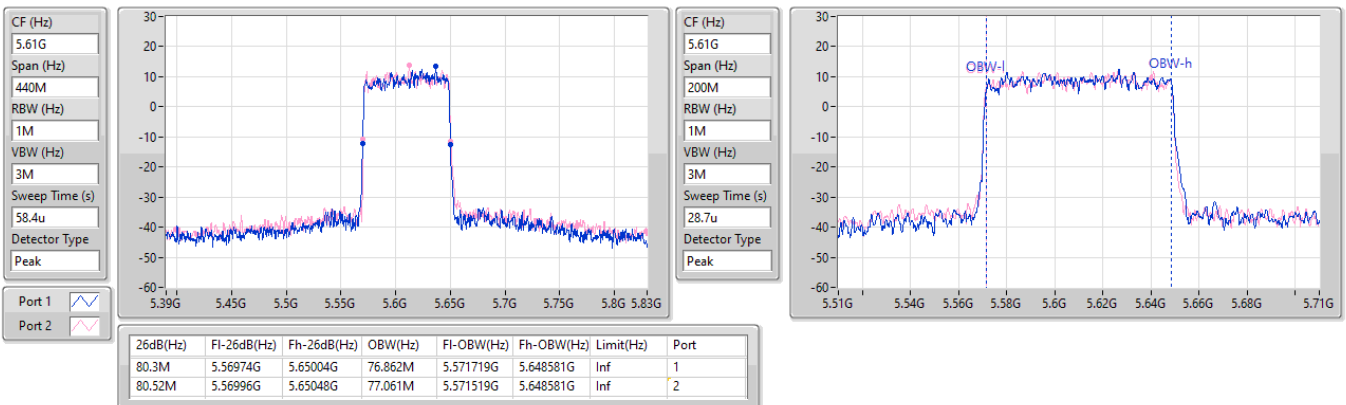


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

06/09/2023

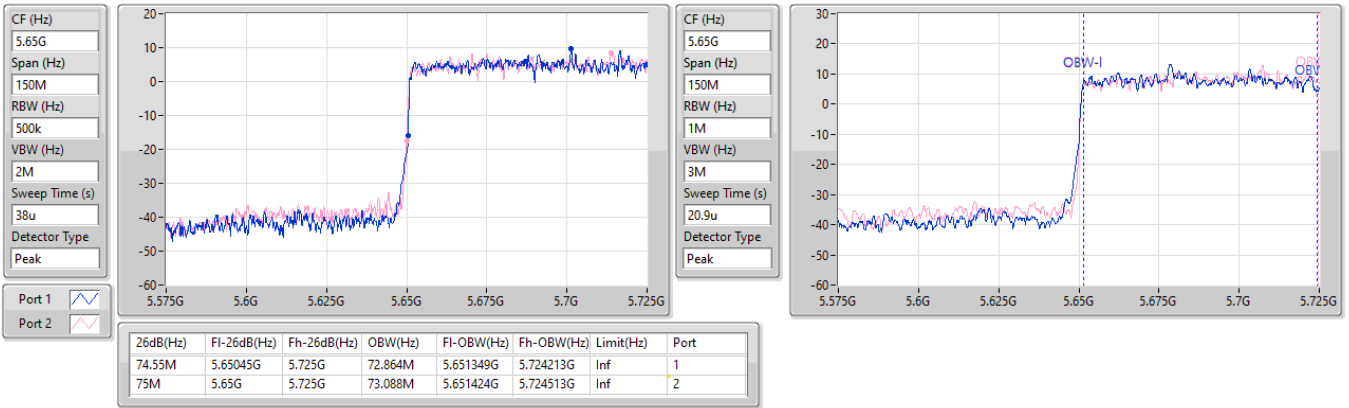


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

06/09/2023

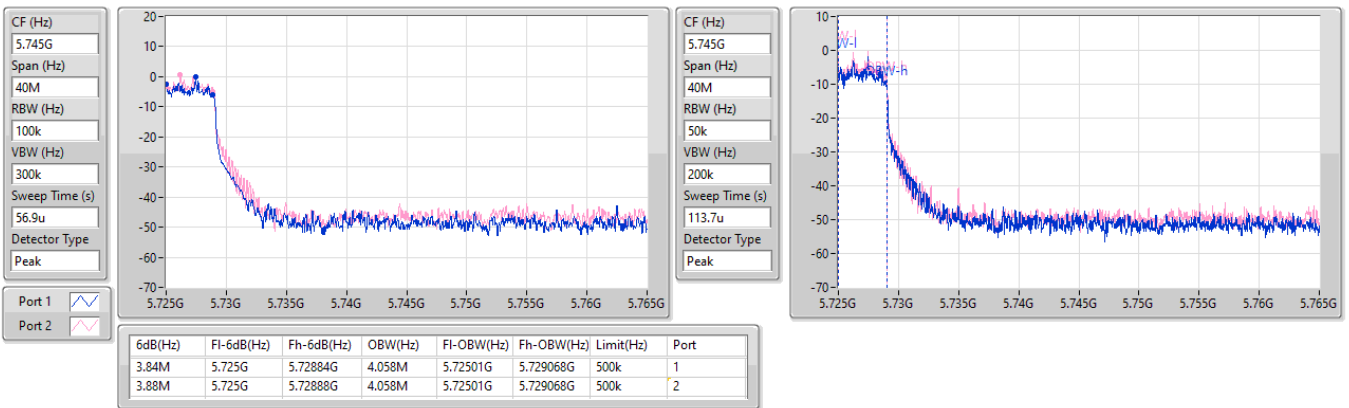


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/09/2023

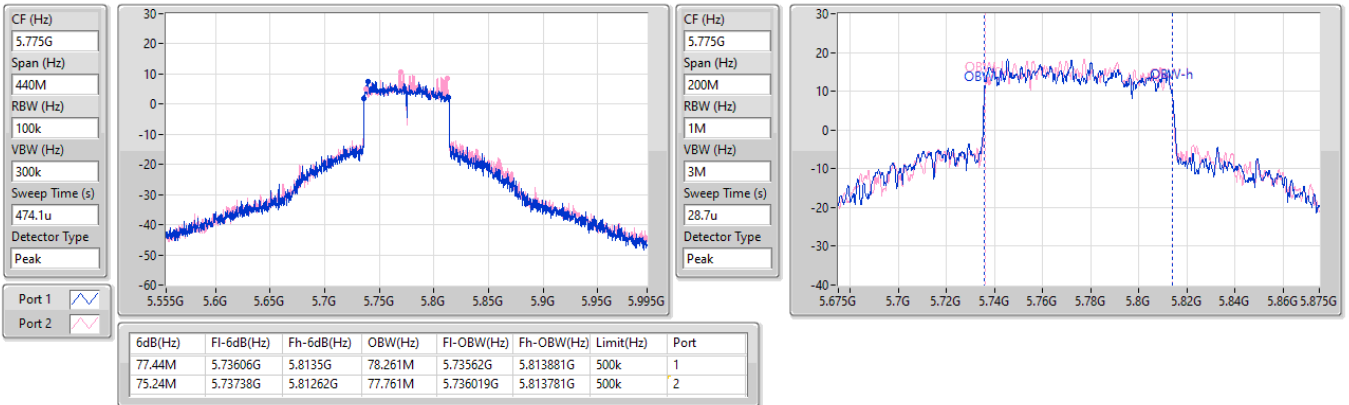


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5775MHz

06/09/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.9M	16.888M	16M9D1D	20.57M	16.426M
802.11n HT20_Nss1,(MCS0)_2TX	21.45M	17.866M	17M9D1D	20.625M	17.691M
802.11n HT40_Nss1,(MCS0)_2TX	39.49M	36.432M	36M4D1D	38.83M	36.082M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.45M	17.866M	17M9D1D	20.68M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.6M	36.532M	36M5D1D	38.83M	36.132M
802.11ac VHT80_Nss1,(MCS0)_2TX	80.74M	75.762M	75M8D1D	79.86M	75.462M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.78M	19.115M	19M1D1D	20.9M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.49M	37.531M	37M5D1D	38.94M	37.431M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.08M	77.261M	77M3D1D	80.08M	76.962M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.9M	16.712M	16M7D1D	20.515M	16.47M
802.11n HT20_Nss1,(MCS0)_2TX	21.725M	17.891M	17M9D1D	20.9M	17.641M
802.11n HT40_Nss1,(MCS0)_2TX	39.16M	36.282M	36M3D1D	38.39M	36.082M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.285M	17.991M	18M0D1D	20.735M	17.691M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.27M	36.232M	36M2D1D	38.5M	36.082M
802.11ac VHT80_Nss1,(MCS0)_2TX	79.42M	75.762M	75M8D1D	79.2M	75.662M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.12M	19.065M	19M1D1D	20.625M	18.916M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.71M	37.631M	37M6D1D	39.05M	37.481M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.3M	77.061M	77M1D1D	80.3M	77.061M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.955M	16.712M	16M7D1D	15.15M	13.313M
802.11n HT20_Nss1,(MCS0)_2TX	21.12M	17.966M	18M0D1D	14.94M	13.868M
802.11n HT40_Nss1,(MCS0)_2TX	39.27M	36.332M	36M3D1D	33.915M	33.023M
802.11ac VHT20_Nss1,(MCS0)_2TX	21.34M	17.791M	17M8D1D	15.375M	13.808M
802.11ac VHT40_Nss1,(MCS0)_2TX	39.38M	36.332M	36M3D1D	34.51M	32.954M
802.11ac VHT80_Nss1,(MCS0)_2TX	78.32M	75.562M	75M6D1D	74.475M	72.414M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	18.991M	19M0D1D	15.255M	14.423M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.27M	37.681M	37M7D1D	34.58M	33.583M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.52M	77.061M	77M1D1D	74.55M	72.864M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.555M	21.923M	21M9D1D	3.24M	3.718M
802.11n HT20_Nss1,(MCS0)_2TX	17.82M	23.938M	23M9D1D	3.84M	4.118M
802.11n HT40_Nss1,(MCS0)_2TX	36.41M	38.331M	38M3D1D	3.14M	3.438M
802.11ac VHT20_Nss1,(MCS0)_2TX	17.765M	21.439M	21M4D1D	3.86M	4.238M
802.11ac VHT40_Nss1,(MCS0)_2TX	36.41M	37.381M	37M4D1D	3.22M	3.438M
802.11ac VHT80_Nss1,(MCS0)_2TX	75.9M	76.062M	76M1D1D	3.14M	3.478M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.195M	20.99M	21M0D1D	4.3M	4.538M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.84M	38.031M	38M0D1D	2.96M	4.058M
802.11ax HEW80_Nss1,(MCS0)_2TX	77.44M	78.261M	78M3D1D	3.84M	4.058M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	20.68M	16.558M	20.79M	16.624M
5200MHz	Pass	Inf	20.735M	16.888M	20.9M	16.47M
5240MHz	Pass	Inf	20.57M	16.426M	20.68M	16.492M
5260MHz	Pass	Inf	20.57M	16.69M	20.9M	16.558M
5300MHz	Pass	Inf	20.68M	16.712M	20.79M	16.58M
5320MHz	Pass	Inf	20.68M	16.492M	20.515M	16.47M
5500MHz	Pass	Inf	20.9M	16.624M	20.735M	16.602M
5580MHz	Pass	Inf	20.625M	16.712M	20.955M	16.58M
5700MHz	Pass	Inf	20.845M	16.602M	20.955M	16.514M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.15M	13.313M	15.495M	13.343M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.26M	3.958M	3.24M	3.718M
5745MHz	Pass	500k	16.5M	17.415M	16.445M	18.647M
5785MHz	Pass	500k	16.335M	16.91M	16.445M	18.185M
5825MHz	Pass	500k	16.555M	18.031M	16.445M	21.923M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.34M	17.866M	21.23M	17.866M
5200MHz	Pass	Inf	21.45M	17.816M	21.12M	17.716M
5240MHz	Pass	Inf	20.625M	17.716M	20.955M	17.691M
5260MHz	Pass	Inf	20.9M	17.716M	21.395M	17.816M
5300MHz	Pass	Inf	21.725M	17.766M	21.12M	17.641M
5320MHz	Pass	Inf	20.9M	17.891M	20.9M	17.741M
5500MHz	Pass	Inf	21.12M	17.691M	20.845M	17.866M
5580MHz	Pass	Inf	20.68M	17.866M	20.845M	17.741M
5700MHz	Pass	Inf	21.01M	17.966M	20.735M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.525M	13.868M	14.94M	13.943M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.86M	4.218M	3.84M	4.118M
5745MHz	Pass	500k	17.82M	18.416M	17.765M	19.215M
5785MHz	Pass	500k	17.82M	18.316M	17.545M	19.765M
5825MHz	Pass	500k	17.325M	18.891M	17.655M	23.938M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.49M	36.432M	38.94M	36.082M
5230MHz	Pass	Inf	38.83M	36.332M	38.94M	36.132M
5270MHz	Pass	Inf	39.16M	36.232M	38.72M	36.082M
5310MHz	Pass	Inf	38.61M	36.182M	38.39M	36.282M
5510MHz	Pass	Inf	38.83M	36.332M	39.05M	36.232M
5550MHz	Pass	Inf	38.94M	36.132M	38.61M	36.282M
5670MHz	Pass	Inf	39.27M	36.232M	38.28M	36.182M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.335M	33.023M	33.915M	33.093M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.438M	3.14M	3.498M
5755MHz	Pass	500k	36.41M	36.282M	36.41M	36.332M
5795MHz	Pass	500k	36.41M	36.932M	36.41M	38.331M
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.12M	17.691M	21.175M	17.741M
5200MHz	Pass	Inf	20.68M	17.841M	20.955M	17.741M
5240MHz	Pass	Inf	21.23M	17.816M	21.45M	17.866M
5260MHz	Pass	Inf	20.735M	17.841M	20.9M	17.766M
5300MHz	Pass	Inf	21.12M	17.691M	21.23M	17.691M
5320MHz	Pass	Inf	21.01M	17.991M	21.285M	17.791M
5500MHz	Pass	Inf	21.12M	17.791M	20.79M	17.766M
5580MHz	Pass	Inf	21.12M	17.741M	21.285M	17.766M
5700MHz	Pass	Inf	21.34M	17.766M	20.845M	17.766M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.72M	13.928M	15.375M	13.808M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.88M	4.238M	3.86M	4.258M
5745MHz	Pass	500k	17.545M	18.191M	17.765M	19.19M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5785MHz	Pass	500k	17.765M	18.316M	17.6M	20.79M
5825MHz	Pass	500k	17.765M	18.816M	17.435M	21.439M
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.6M	36.232M	38.94M	36.282M
5230MHz	Pass	Inf	38.83M	36.532M	39.27M	36.132M
5270MHz	Pass	Inf	38.5M	36.082M	39.27M	36.182M
5310MHz	Pass	Inf	38.94M	36.182M	39.05M	36.232M
5510MHz	Pass	Inf	38.94M	36.132M	39.05M	36.132M
5550MHz	Pass	Inf	39.38M	36.182M	38.72M	36.232M
5670MHz	Pass	Inf	39.05M	36.232M	38.61M	36.332M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.685M	32.954M	34.51M	32.954M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.22M	3.578M	3.26M	3.438M
5755MHz	Pass	500k	36.3M	36.332M	36.3M	36.332M
5795MHz	Pass	500k	36.41M	36.682M	35.97M	37.381M
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	80.74M	75.462M	79.86M	75.762M
5290MHz	Pass	Inf	79.42M	75.662M	79.2M	75.762M
5530MHz	Pass	Inf	78.1M	75.562M	78.32M	75.562M
5610MHz	Pass	Inf	78.32M	75.562M	78.32M	75.462M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.475M	72.414M	74.55M	72.564M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	3.638M	3.14M	3.478M
5775MHz	Pass	500k	75.9M	76.062M	74.8M	75.962M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5180MHz	Pass	Inf	21.78M	19.115M	21.23M	19.09M
5200MHz	Pass	Inf	21.285M	19.065M	20.9M	18.916M
5240MHz	Pass	Inf	21.12M	19.09M	21.065M	18.966M
5260MHz	Pass	Inf	20.79M	18.966M	20.625M	18.991M
5300MHz	Pass	Inf	21.12M	18.916M	20.735M	18.941M
5320MHz	Pass	Inf	20.955M	19.065M	21.01M	19.015M
5500MHz	Pass	Inf	21.23M	18.941M	21.12M	18.966M
5580MHz	Pass	Inf	20.9M	18.941M	20.46M	18.966M
5700MHz	Pass	Inf	21.23M	18.891M	20.845M	18.991M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.735M	14.423M	15.255M	14.513M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.52M	4.538M	4.3M	4.698M
5745MHz	Pass	500k	18.975M	19.29M	19.14M	19.215M
5785MHz	Pass	500k	19.085M	19.115M	19.085M	19.265M
5825MHz	Pass	500k	19.14M	19.59M	19.195M	20.99M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5190MHz	Pass	Inf	39.49M	37.531M	39.27M	37.431M
5230MHz	Pass	Inf	38.94M	37.531M	39.27M	37.431M
5270MHz	Pass	Inf	39.05M	37.481M	39.27M	37.481M
5310MHz	Pass	Inf	39.71M	37.631M	39.16M	37.581M
5510MHz	Pass	Inf	39.27M	37.681M	39.27M	37.531M
5550MHz	Pass	Inf	39.27M	37.581M	39.05M	37.531M
5670MHz	Pass	Inf	38.94M	37.481M	39.05M	37.581M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	33.583M	34.58M	33.618M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	2.96M	4.058M	3.48M	4.058M
5755MHz	Pass	500k	37.84M	37.731M	37.4M	37.631M
5795MHz	Pass	500k	37.62M	37.931M	36.74M	38.031M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5210MHz	Pass	Inf	80.08M	76.962M	80.08M	77.261M
5290MHz	Pass	Inf	80.3M	77.061M	80.3M	77.061M
5530MHz	Pass	Inf	79.86M	76.662M	80.52M	77.061M
5610MHz	Pass	Inf	80.3M	76.862M	80.52M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	74.55M	72.864M	75M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.84M	4.058M	3.88M	4.058M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
5775MHz	Pass	500k	77.44M	78.261M	75.24M	77.761M

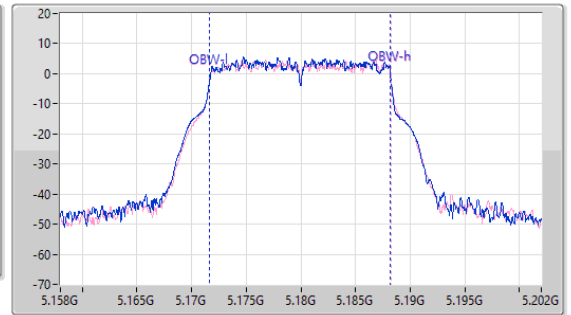
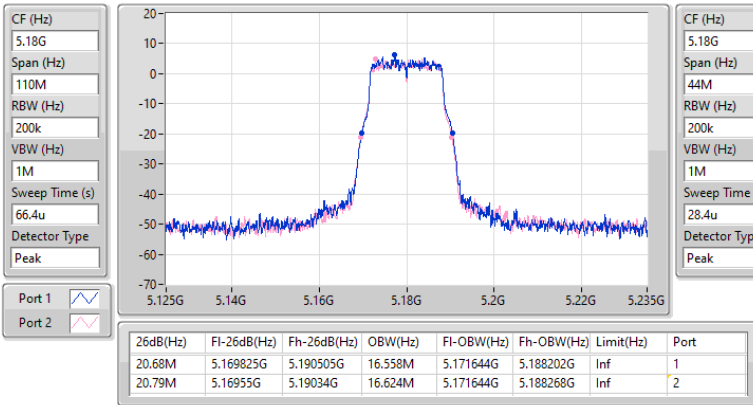
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

20/10/2023

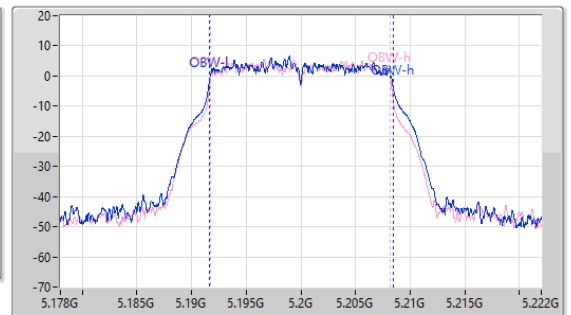
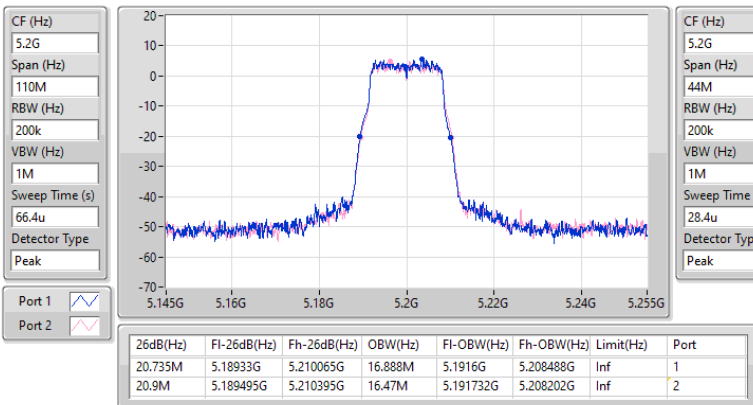


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5200MHz

20/10/2023

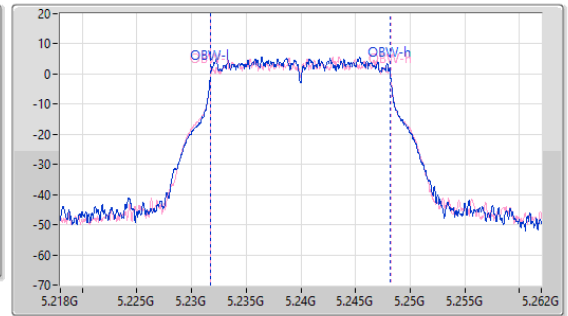
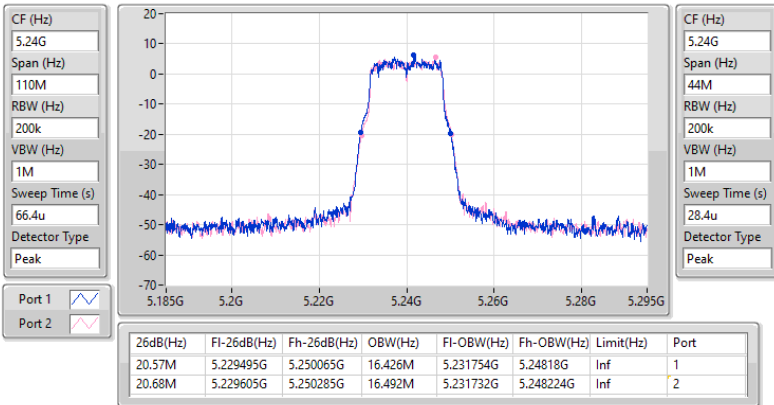


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5240MHz

20/10/2023

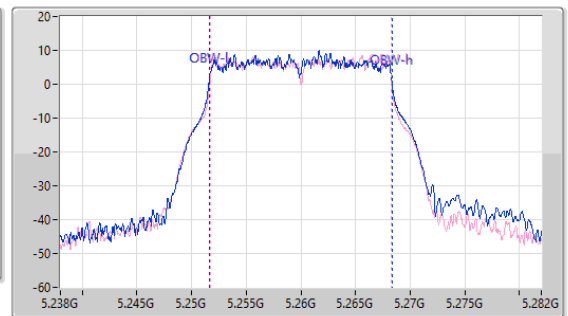
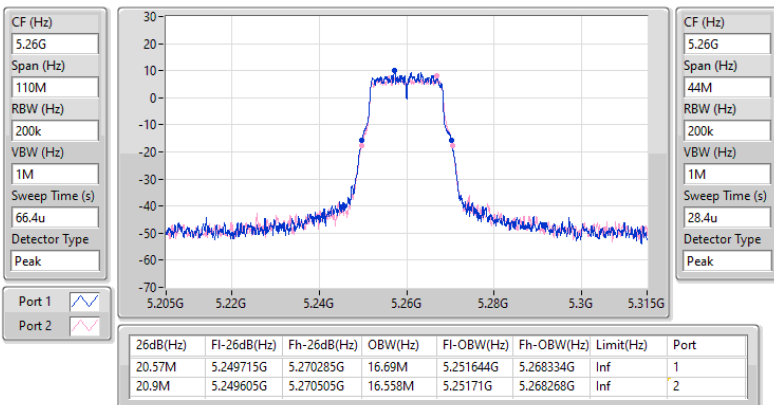


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5260MHz

05/09/2023

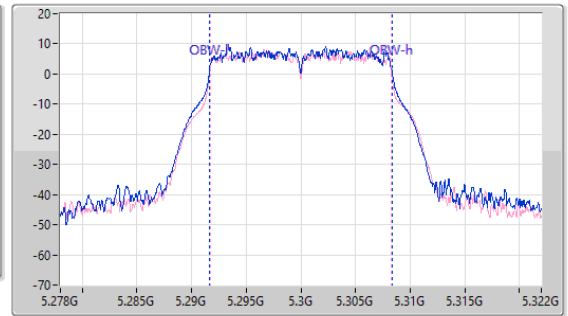
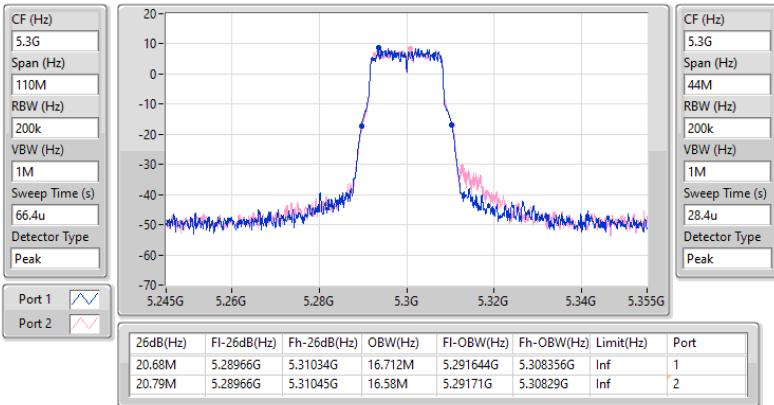


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5300MHz

05/09/2023

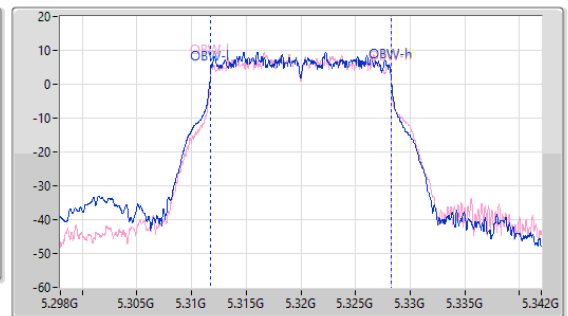
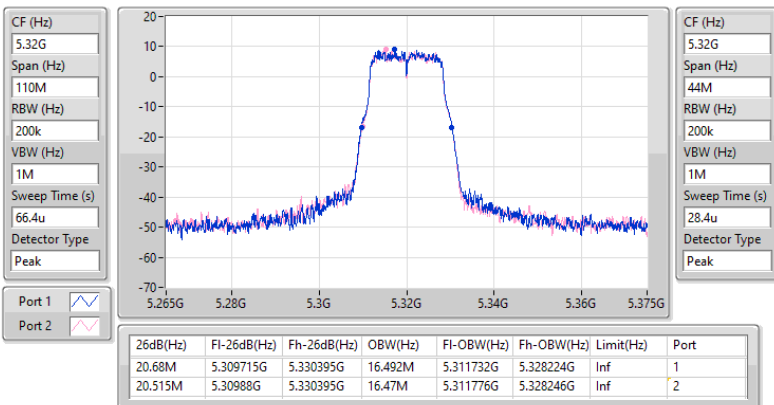


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5320MHz

05/09/2023

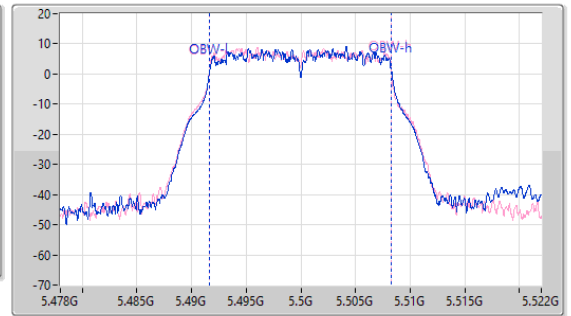
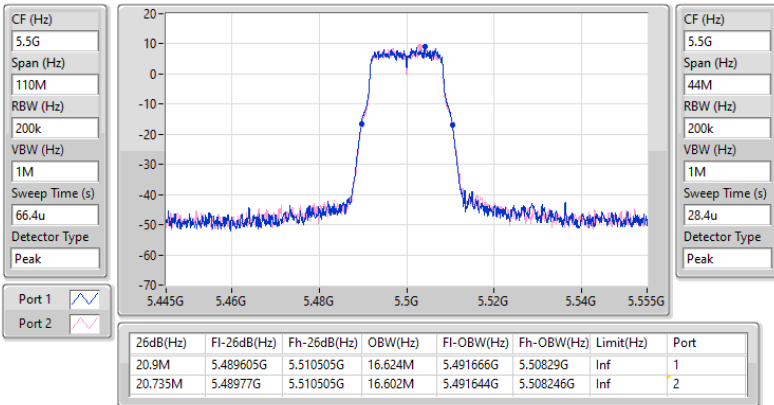


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5500MHz

05/09/2023

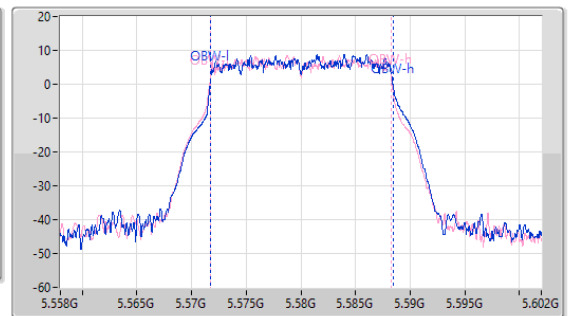
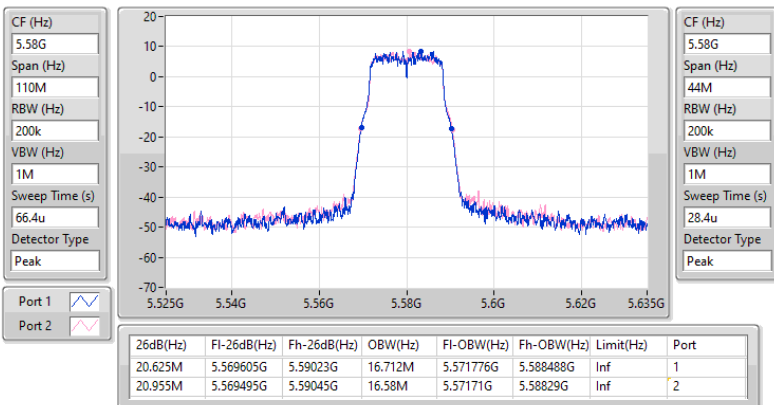


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5580MHz

05/09/2023

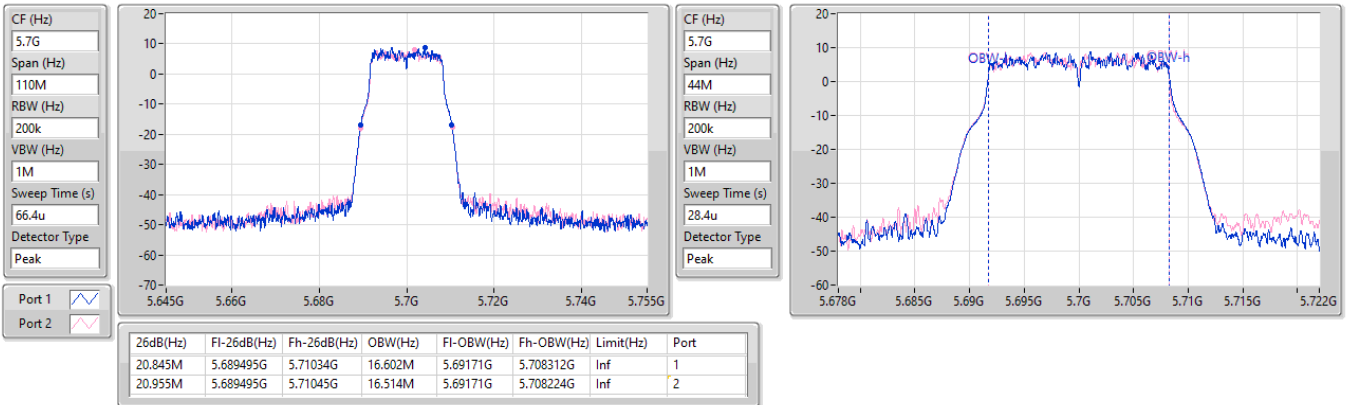


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5700MHz

05/09/2023

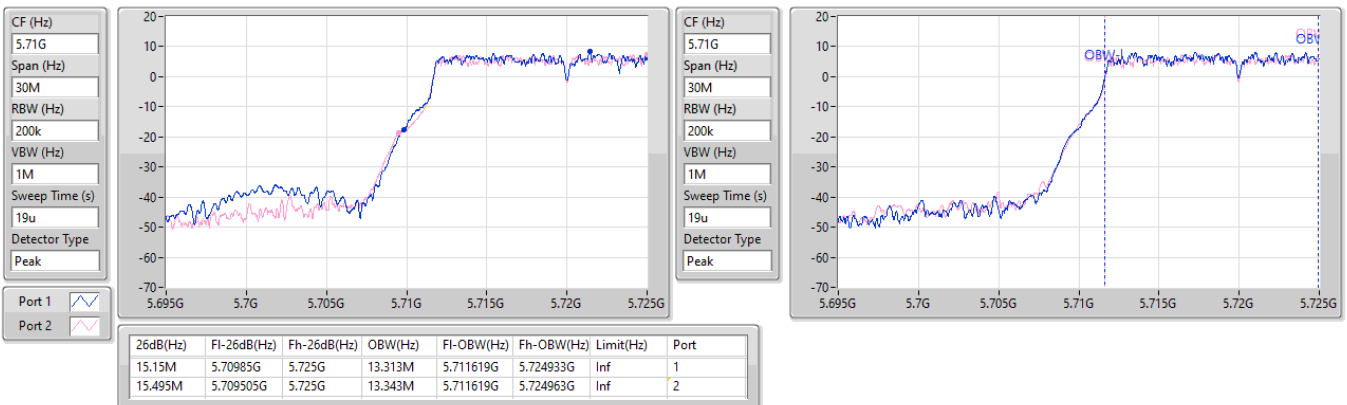


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/09/2023

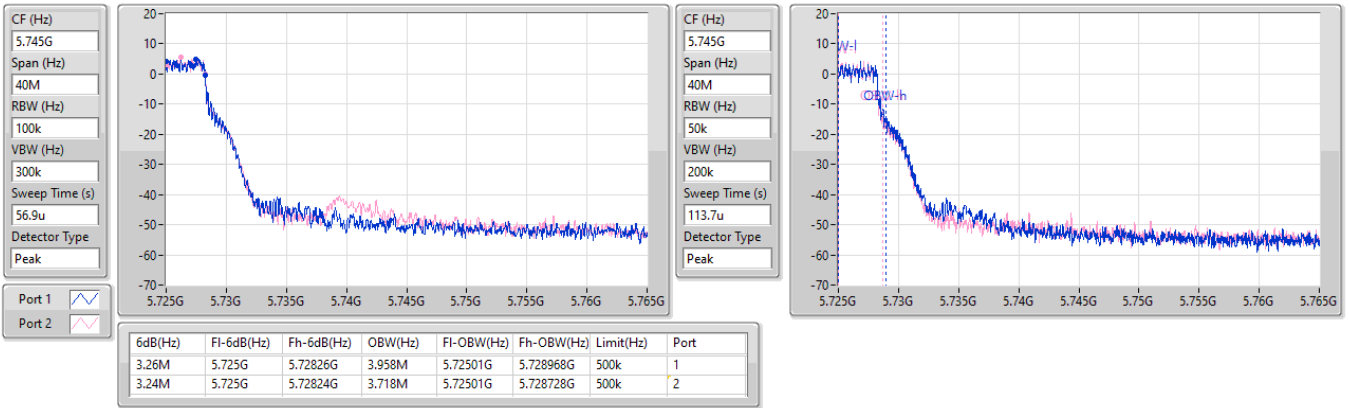


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2023

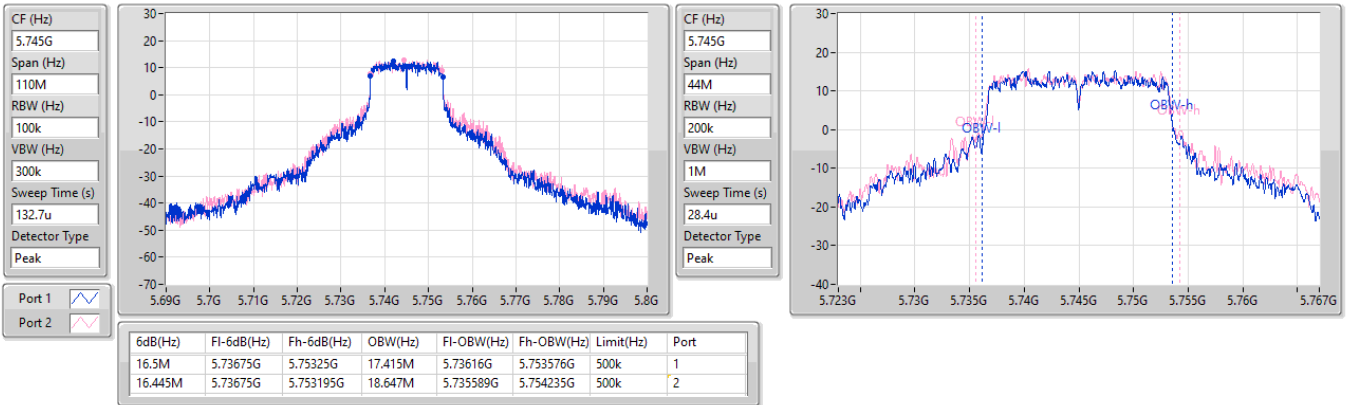


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5745MHz

05/09/2023

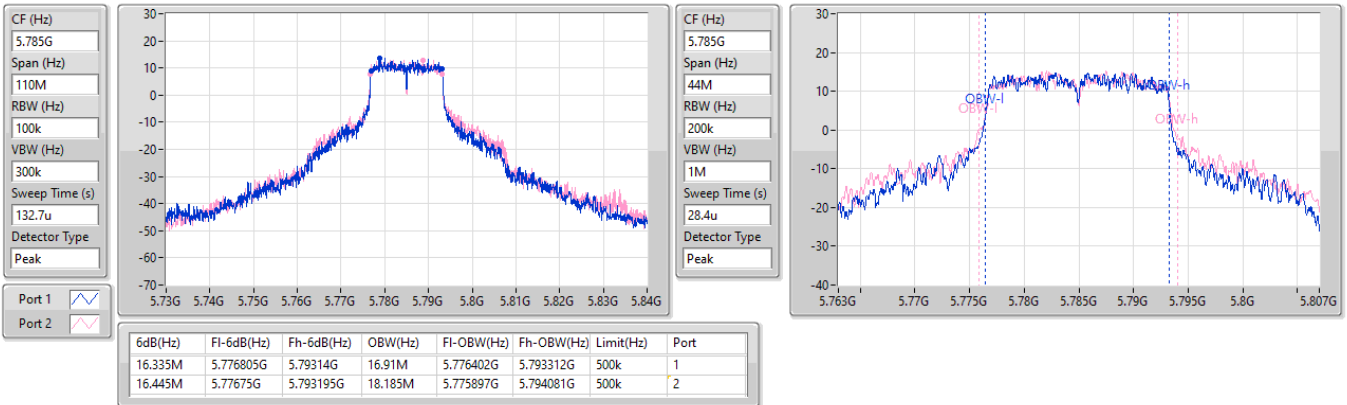


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5785MHz

05/09/2023

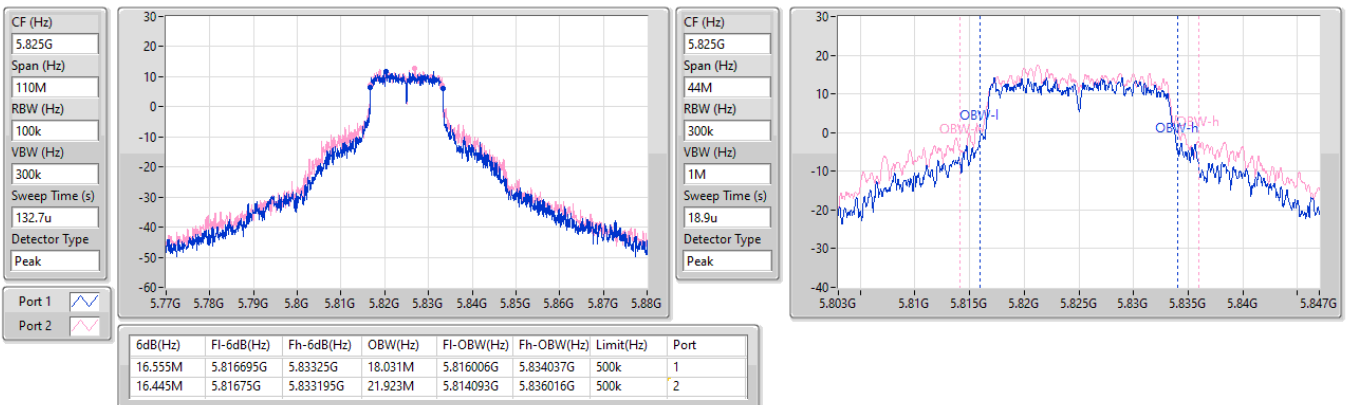


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_2TX

EBW

5825MHz

24/10/2023

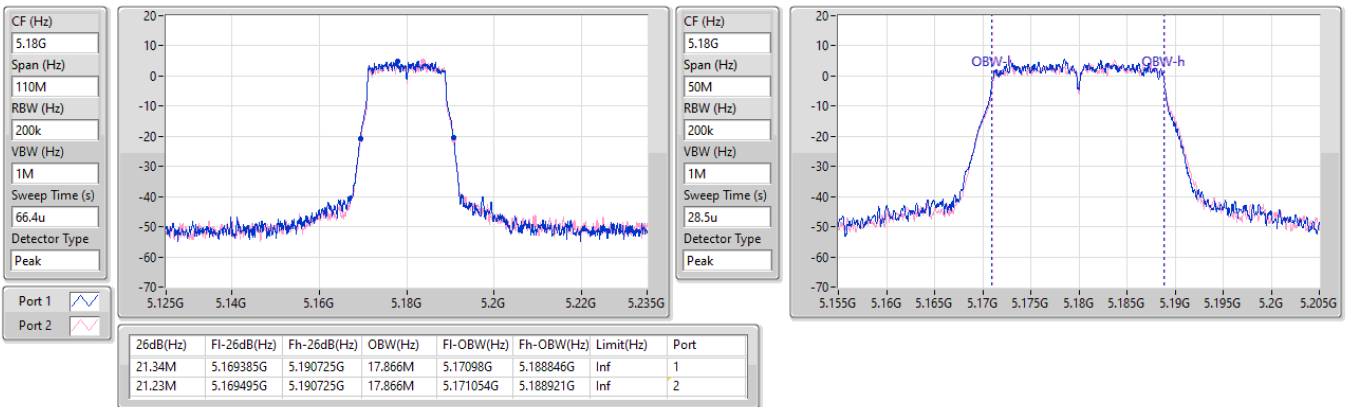


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5180MHz

20/10/2023

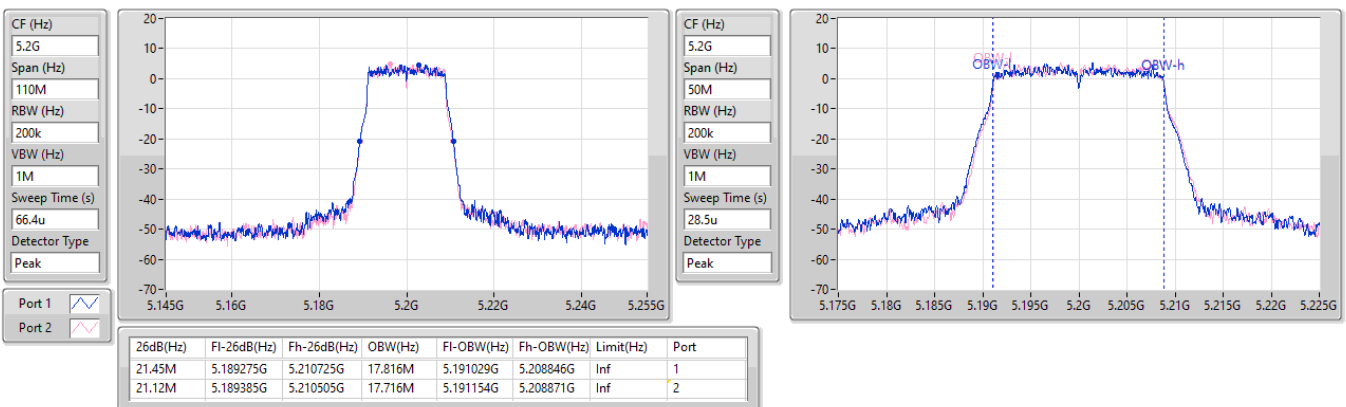


5.15-5.25GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5200MHz

20/10/2023

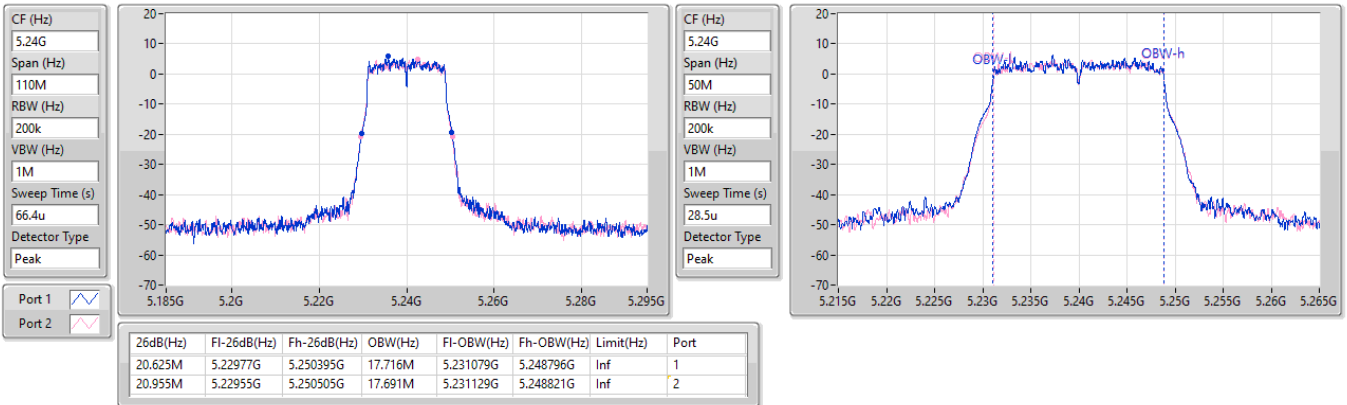


5.15-5.25GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5240MHz

20/10/2023

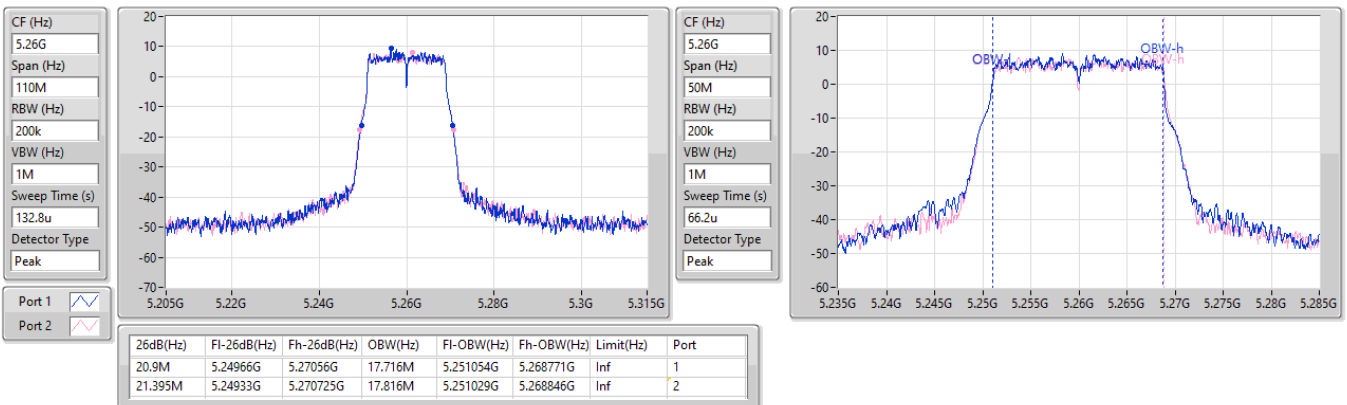


5.25-5.35GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5260MHz

11/09/2023

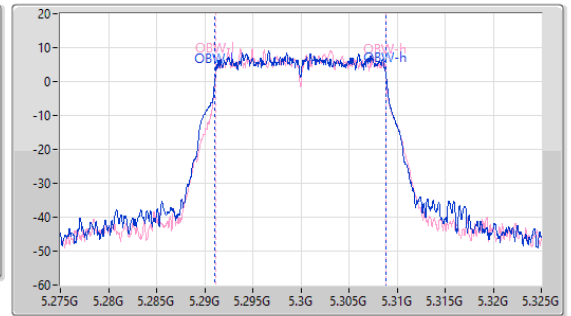
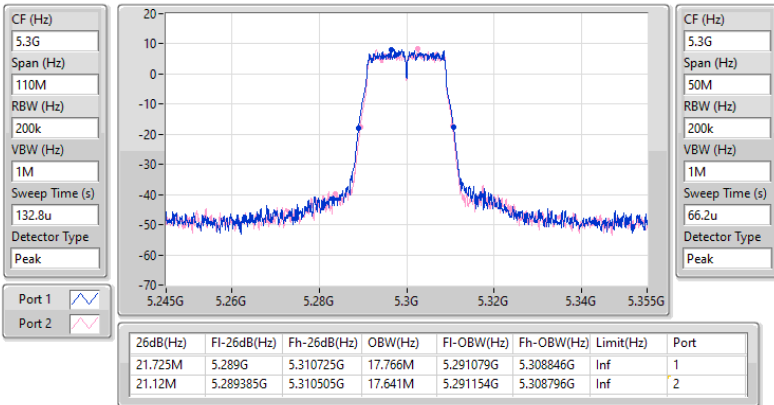


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5300MHz

11/09/2023

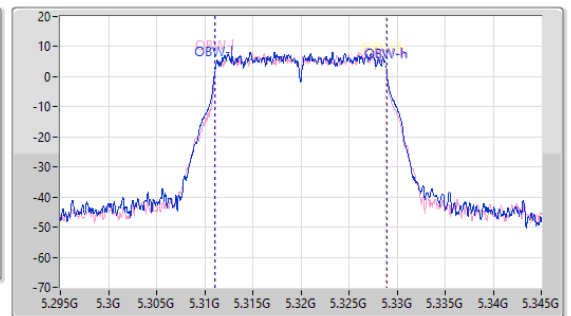
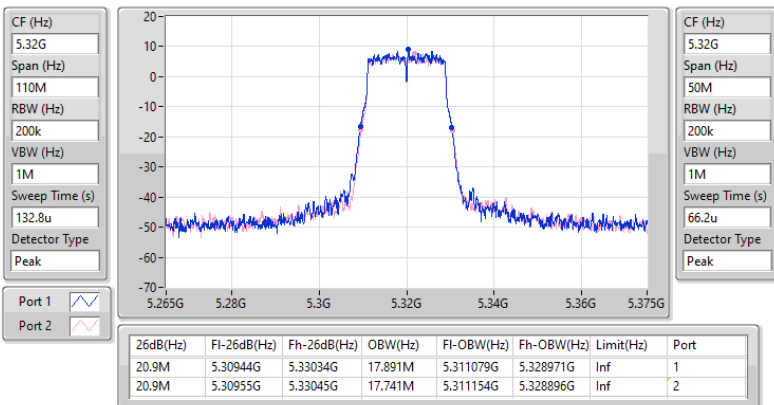


5.25-5.35GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5320MHz

11/09/2023

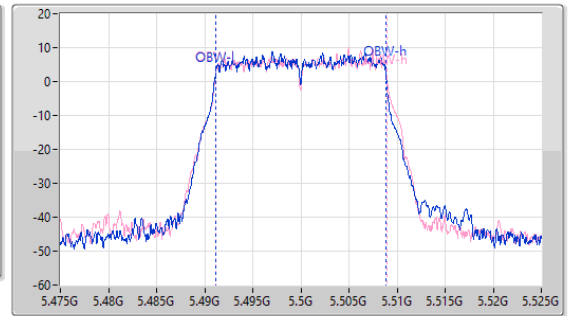
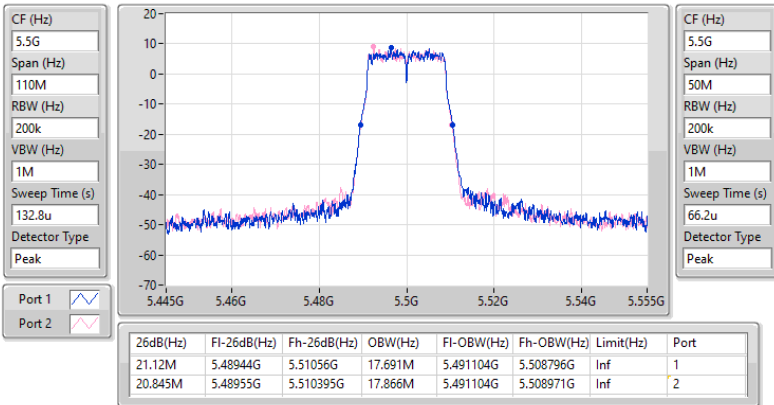


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5500MHz

11/09/2023

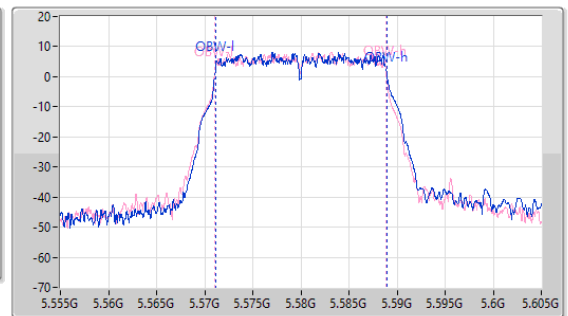
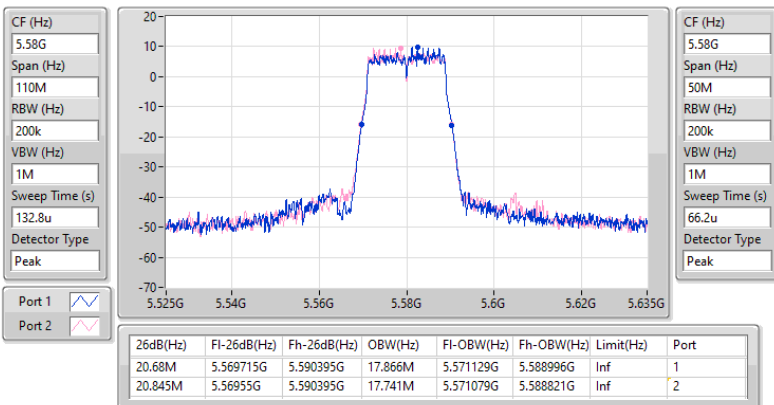


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5580MHz

11/09/2023

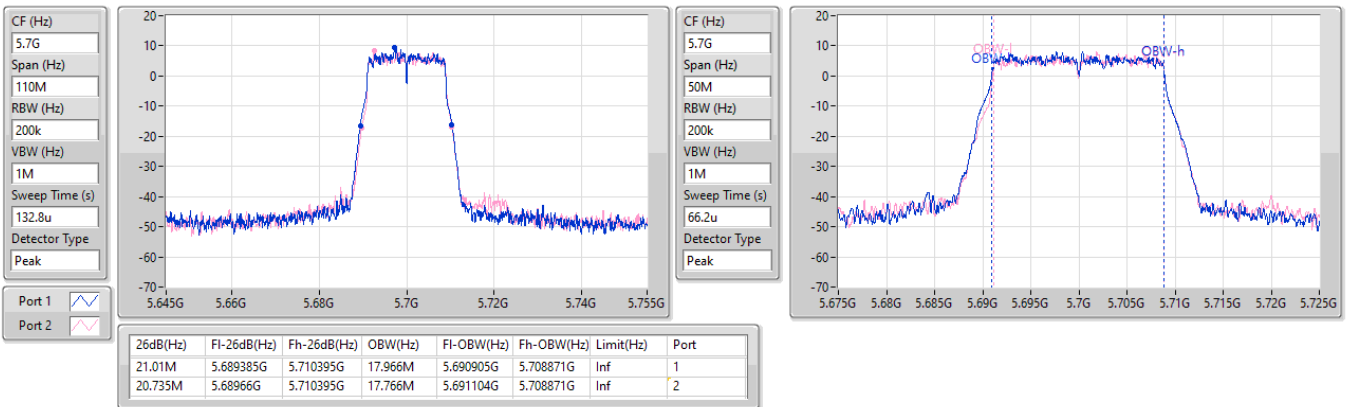


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5700MHz

11/09/2023

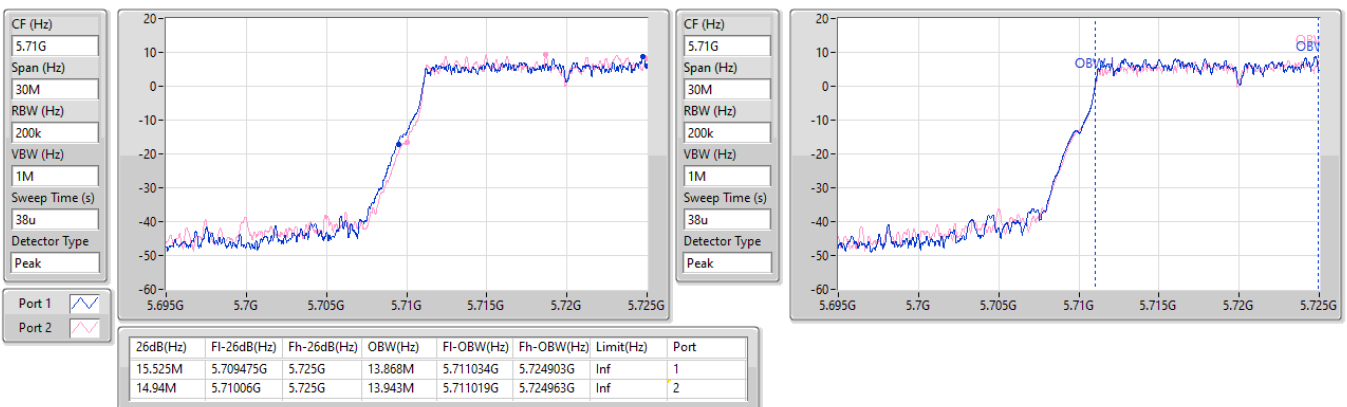


5.47-5.725GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/09/2023

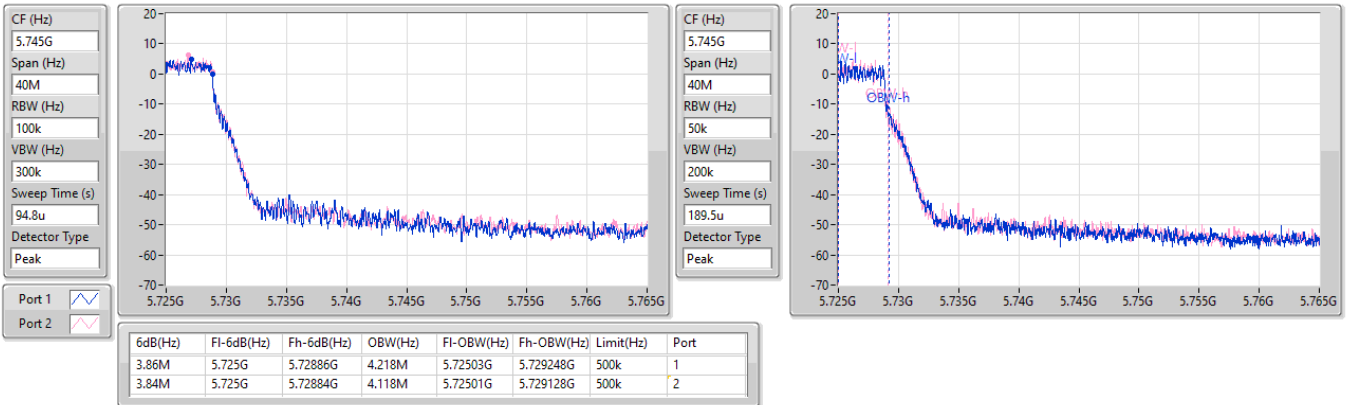


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/09/2023

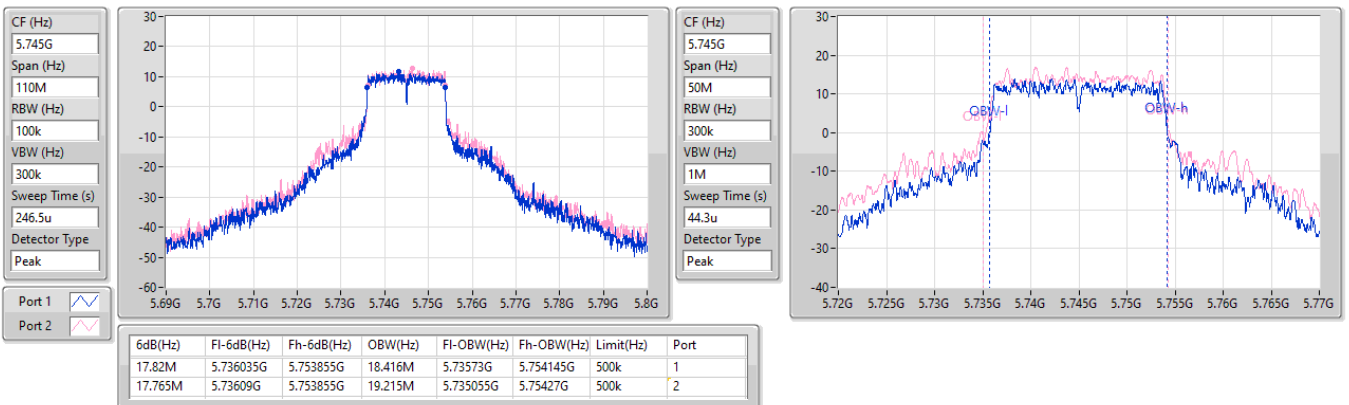


5.725-5.85GHz_802.11n HT20_Nss1,(MCS0)_2TX

EBW

5745MHz

11/09/2023

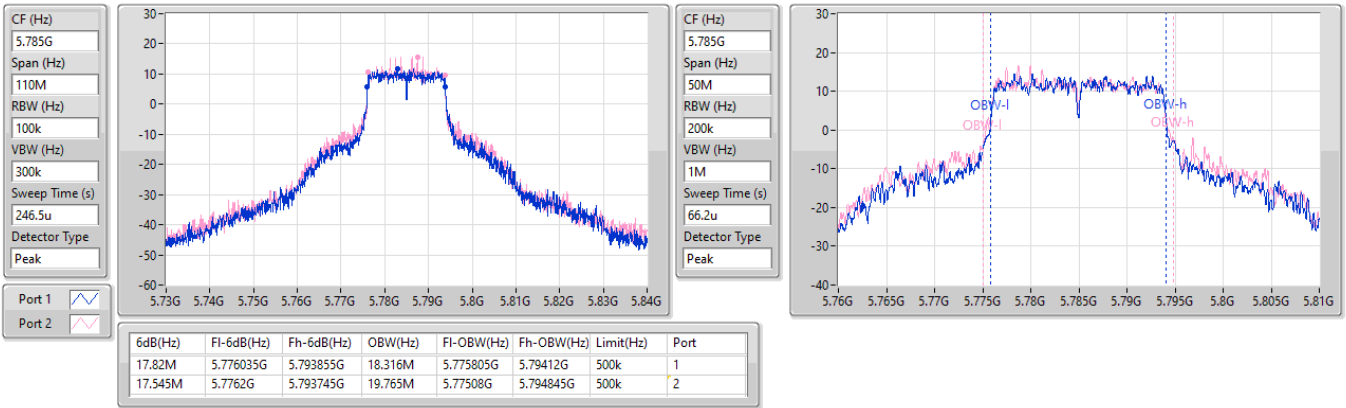


5.725-5.85GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5785MHz

11/09/2023

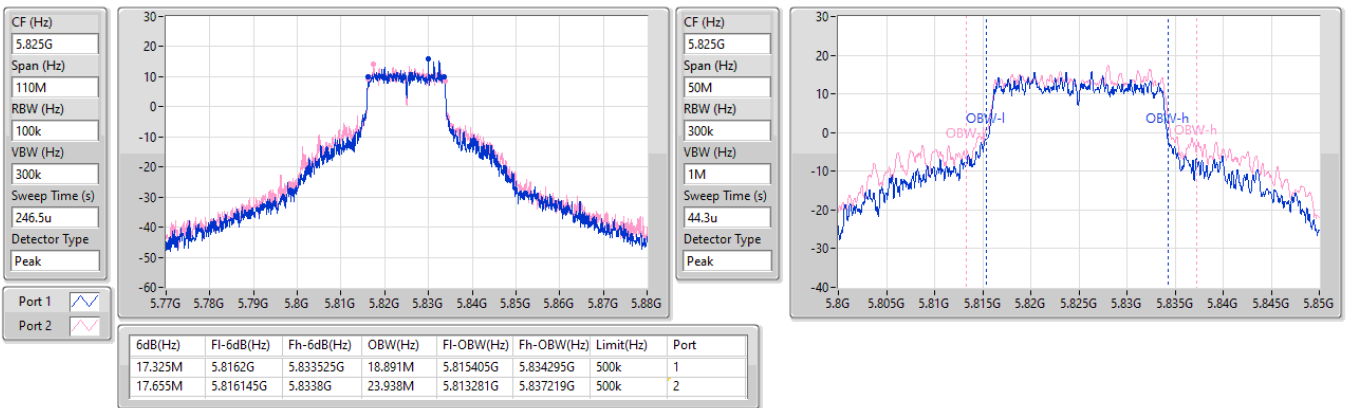


5.725-5.85GHz_802.11n_HT20_Nss1,(MCS0)_2TX

EBW

5825MHz

11/09/2023

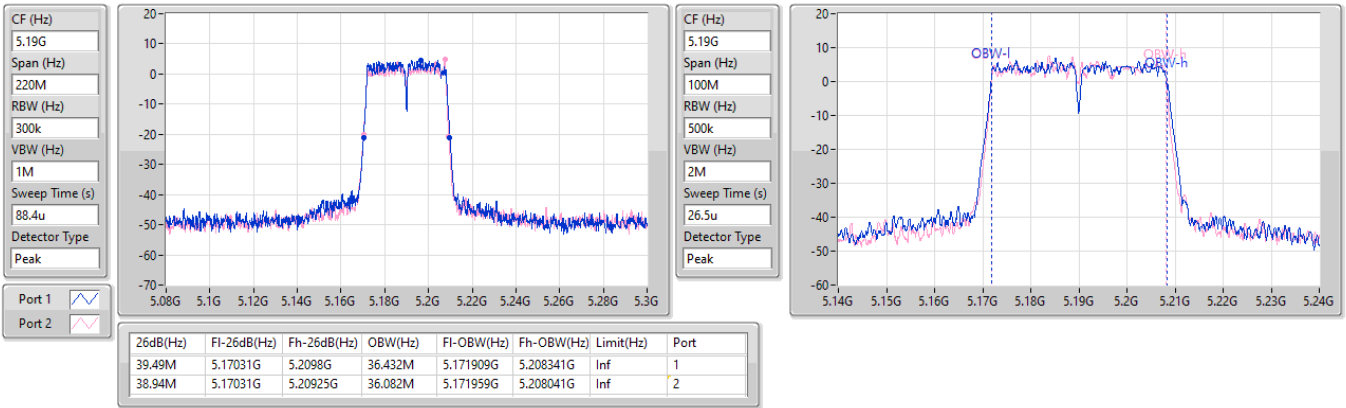


5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5190MHz

20/10/2023

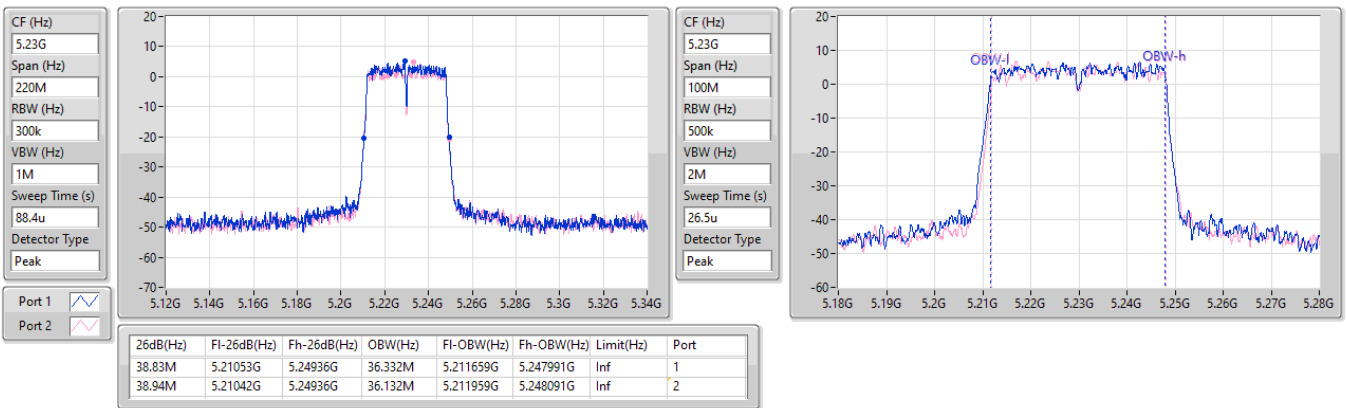


5.15-5.25GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5230MHz

20/10/2023

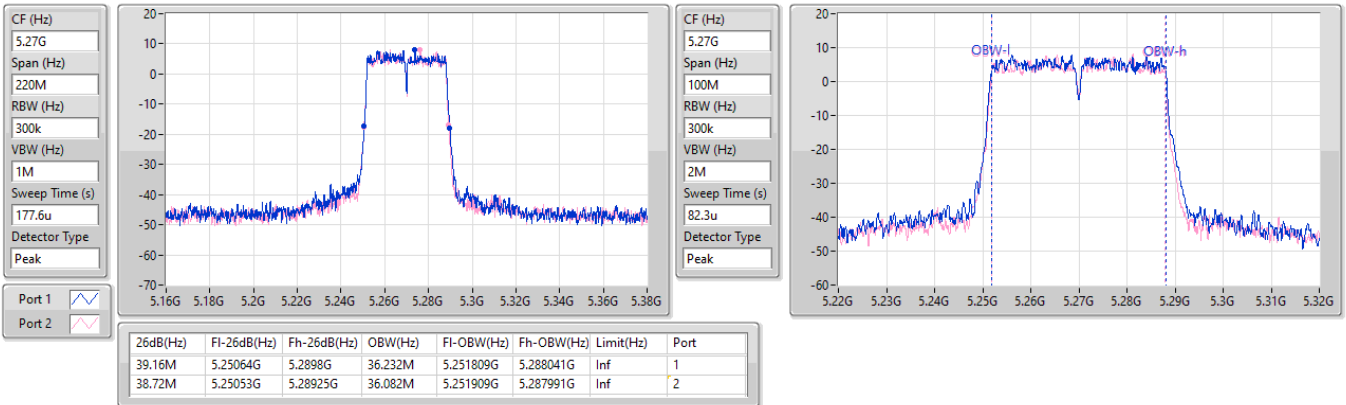


5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5270MHz

11/09/2023

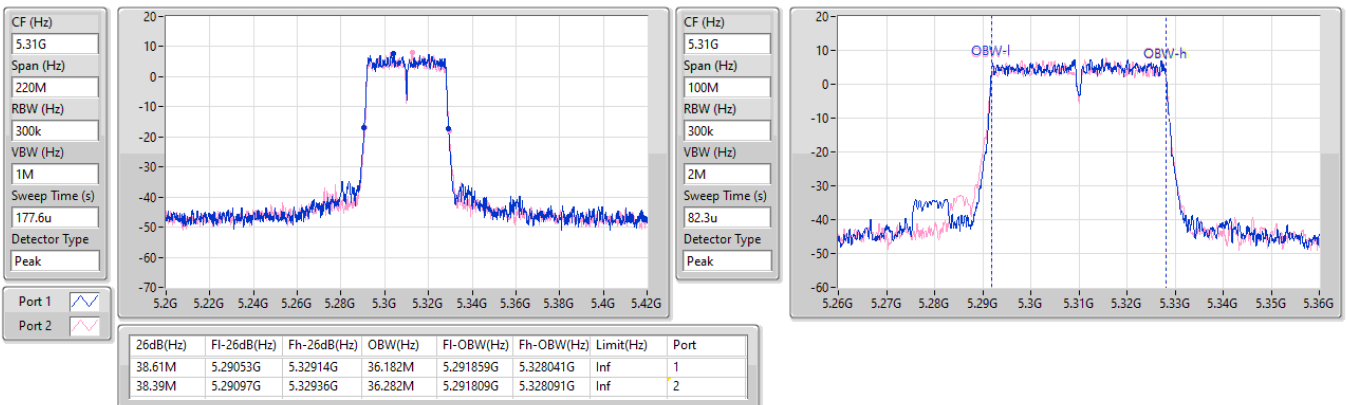


5.25-5.35GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5310MHz

11/09/2023

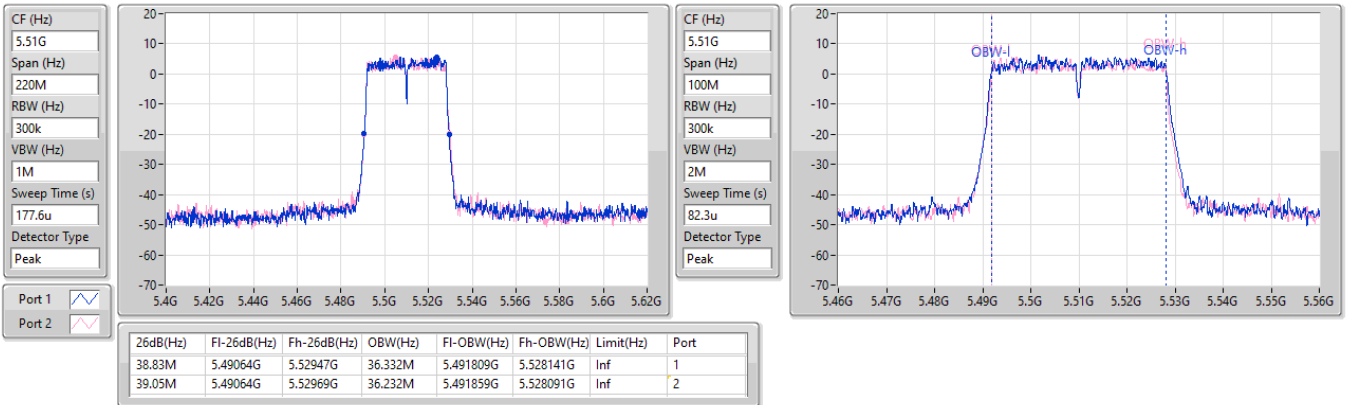


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5510MHz

11/09/2023

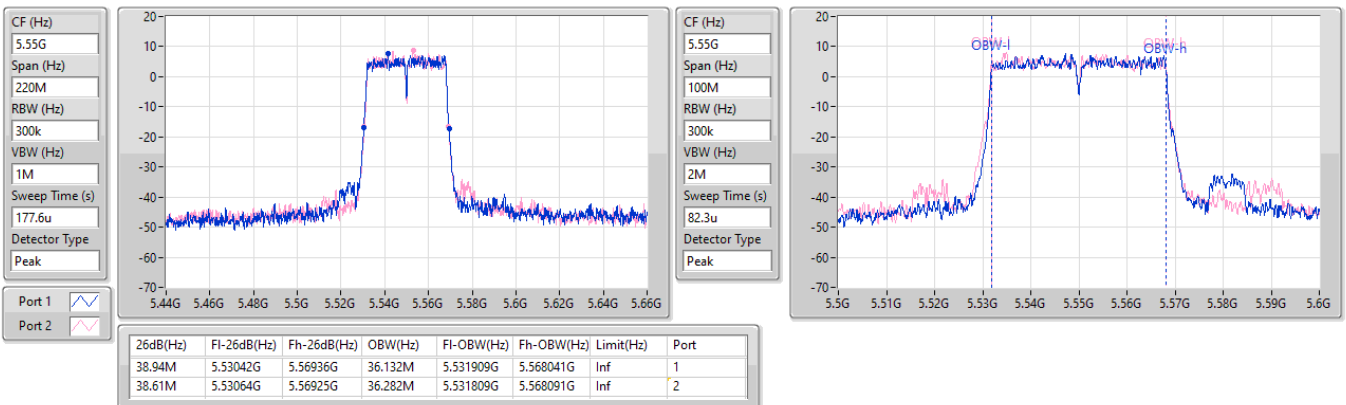


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5550MHz

11/09/2023

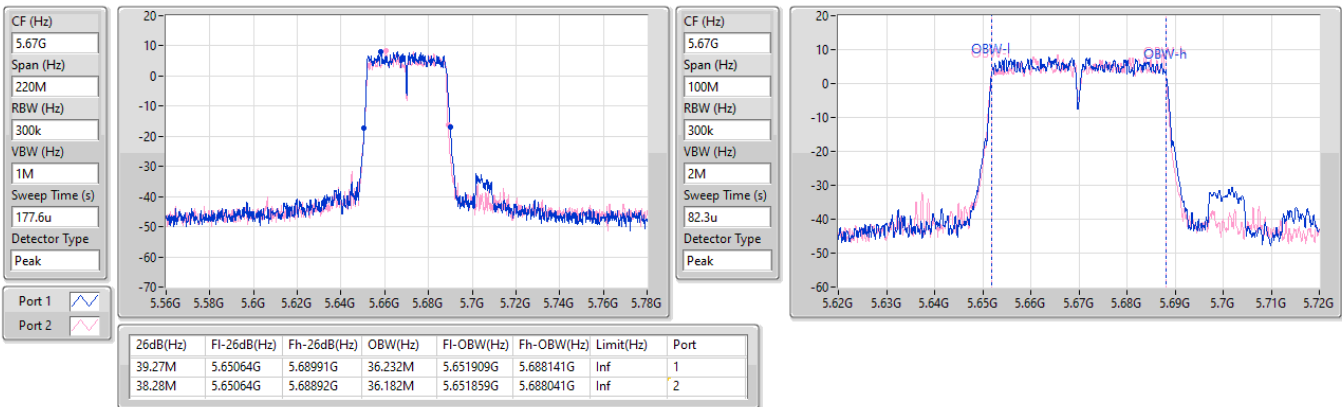


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5670MHz

11/09/2023

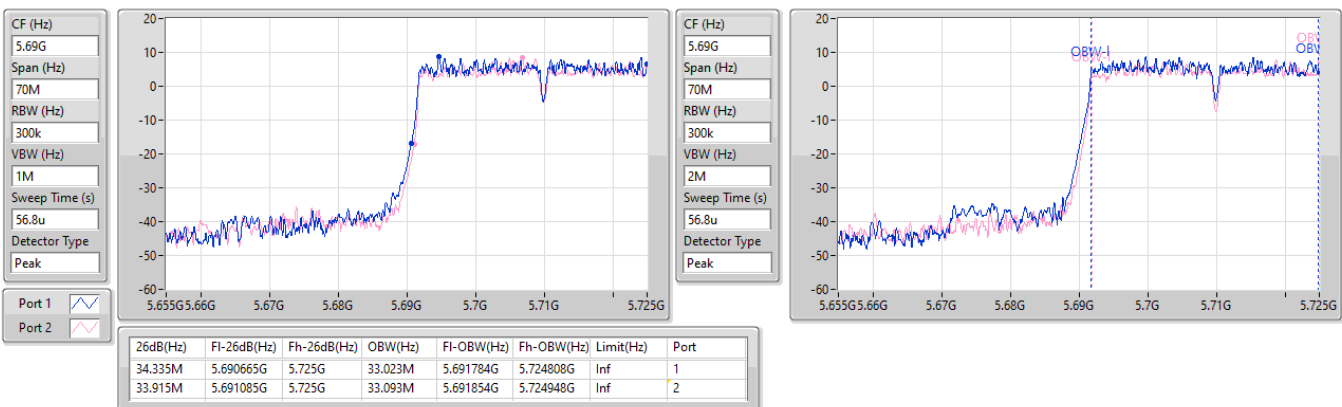


5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

11/09/2023

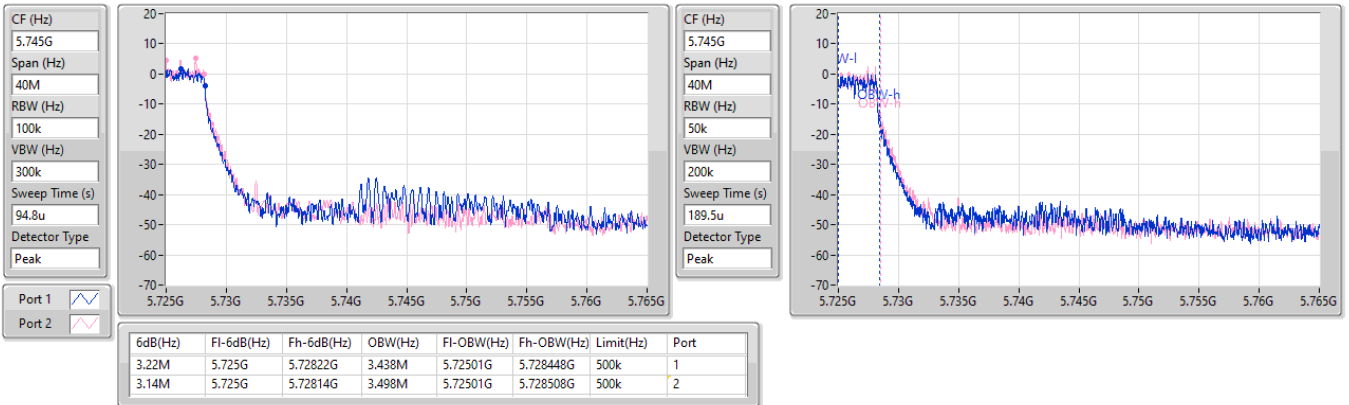


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/09/2023

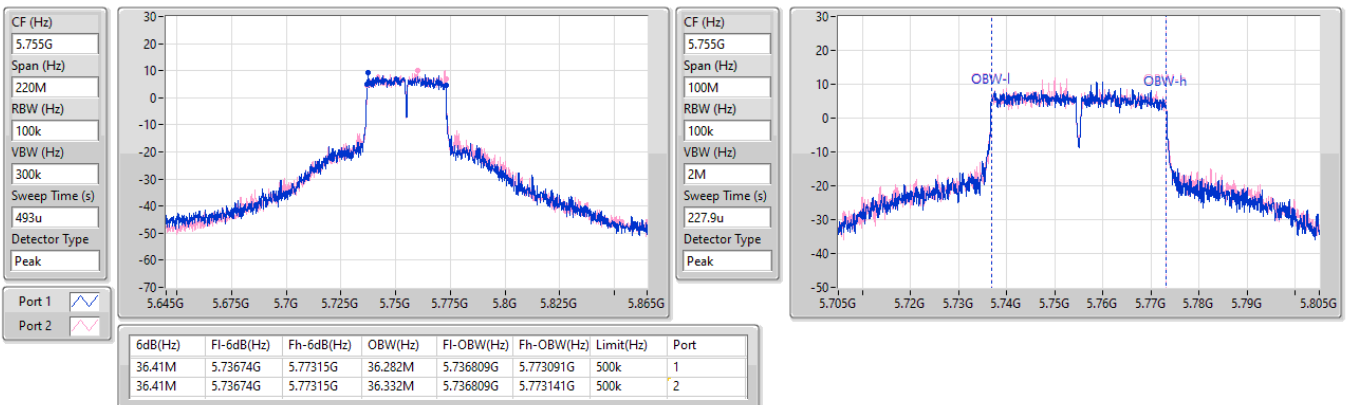


5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

EBW

5755MHz

11/09/2023



5.725-5.85GHz_802.11n_HT40_Nss1,(MCS0)_2TX

EBW

5795MHz

11/09/2023

CF (Hz)
5.795G

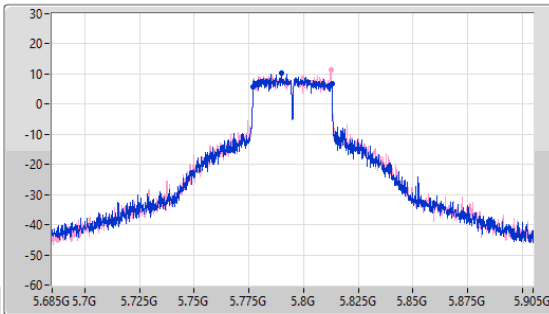
Span (Hz)
220M

RBW (Hz)
100k

VBW (Hz)
300k

Sweep Time (s)
493u

Detector Type
Peak



CF (Hz)
5.795G

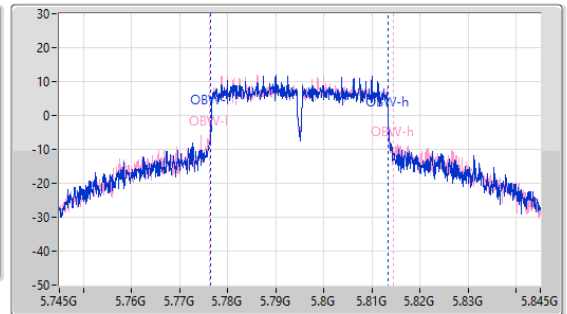
Span (Hz)
100M

RBW (Hz)
100k

VBW (Hz)
2M

Sweep Time (s)
227.9u

Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.41M	5.77674G	5.81315G	36.932M	5.776459G	5.813391G	500k	1
36.41M	5.77674G	5.81315G	38.331M	5.776159G	5.81449G	500k	2

5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5180MHz

20/10/2023

CF (Hz)
5.18G

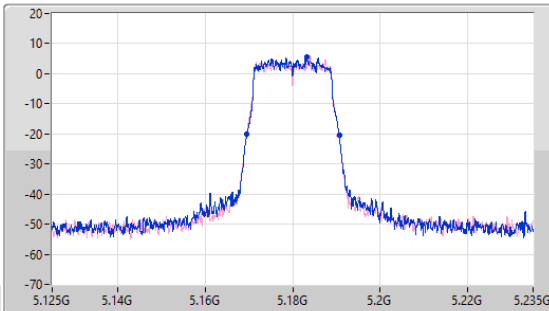
Span (Hz)
110M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
66.4u

Detector Type
Peak



CF (Hz)
5.18G

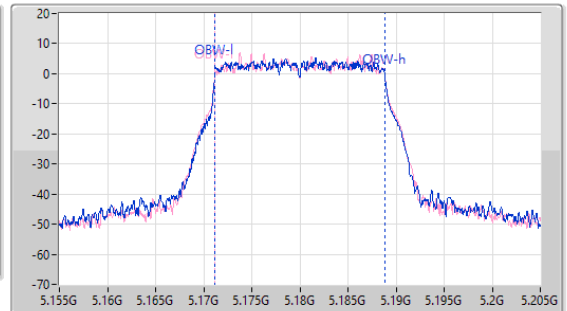
Span (Hz)
50M

RBW (Hz)
200k

VBW (Hz)
1M

Sweep Time (s)
28.5u

Detector Type
Peak



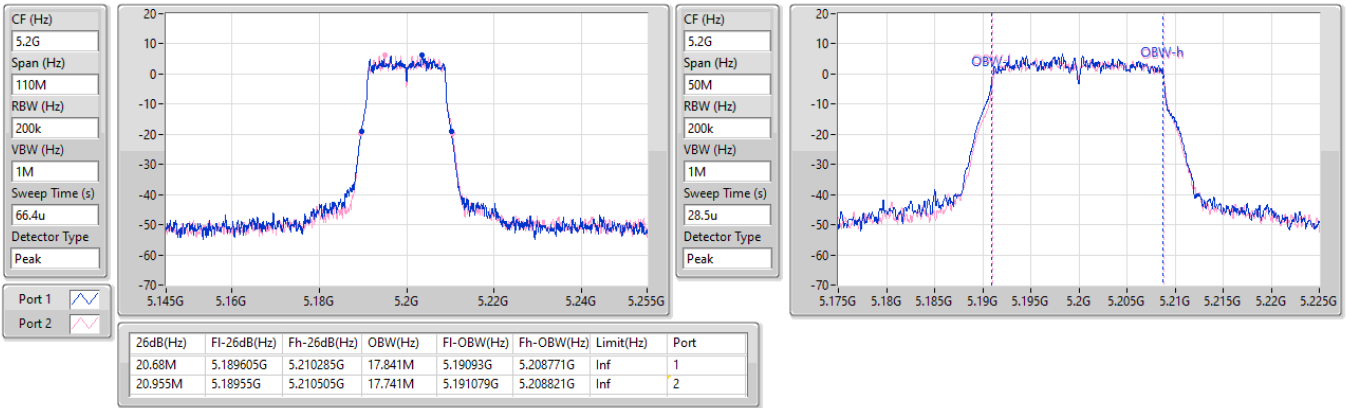
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.16955G	5.19067G	17.691M	5.171179G	5.188871G	Inf	1
21.175M	5.16944G	5.190615G	17.741M	5.171154G	5.188896G	Inf	2

5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5200MHz

20/10/2023

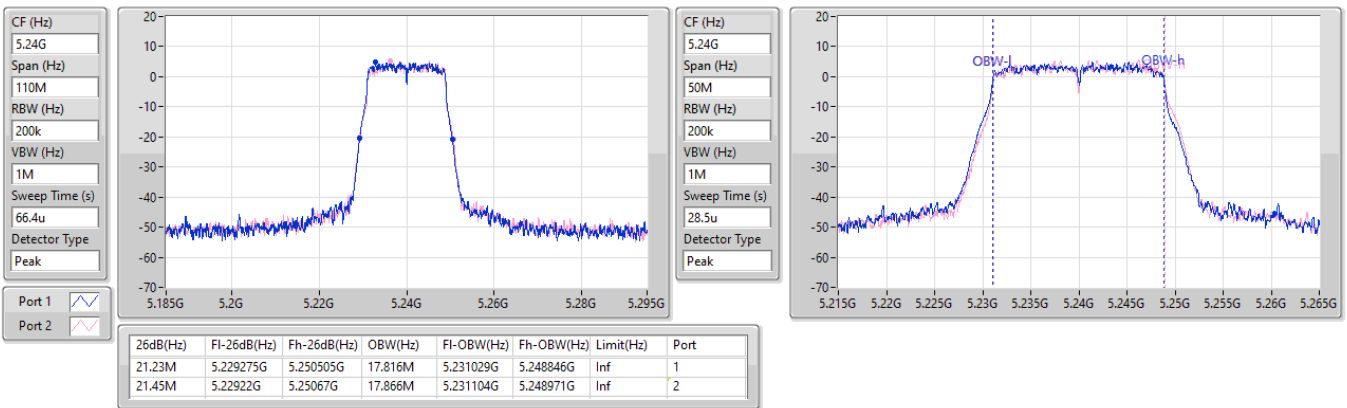


5.15-5.25GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5240MHz

20/10/2023

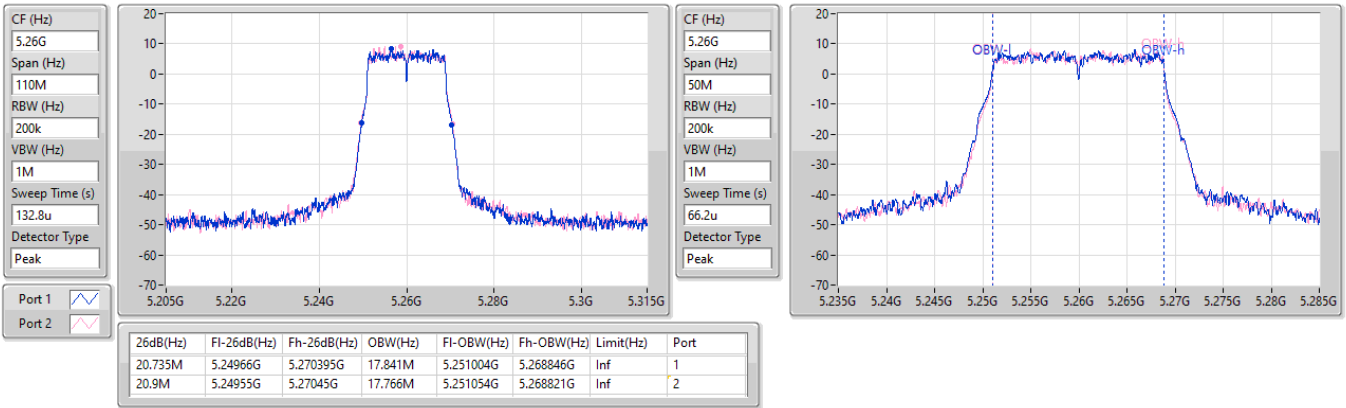


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5260MHz

11/09/2023

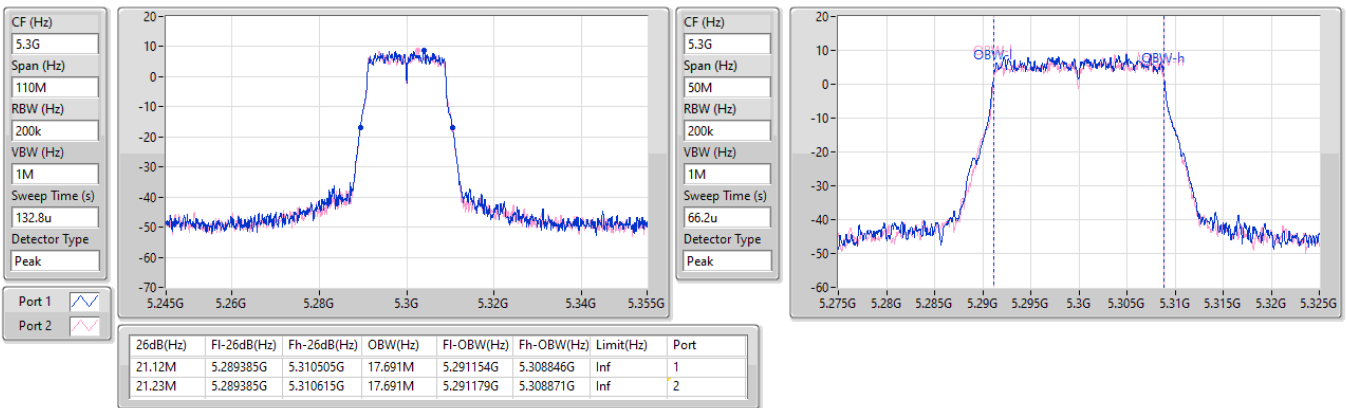


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5300MHz

11/09/2023

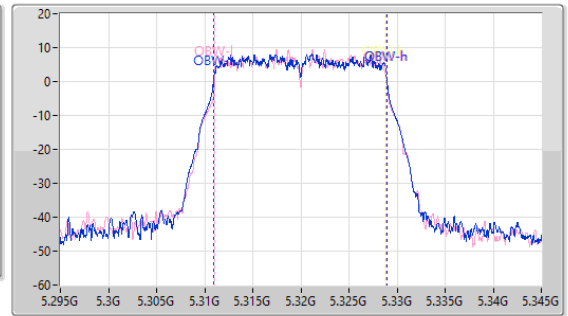
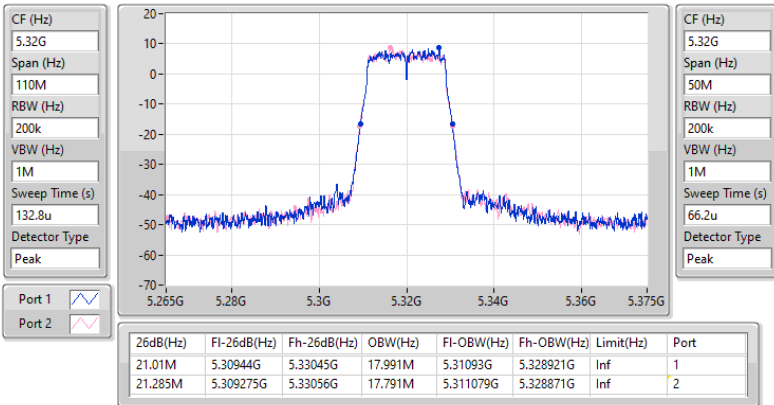


5.25-5.35GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5320MHz

11/09/2023

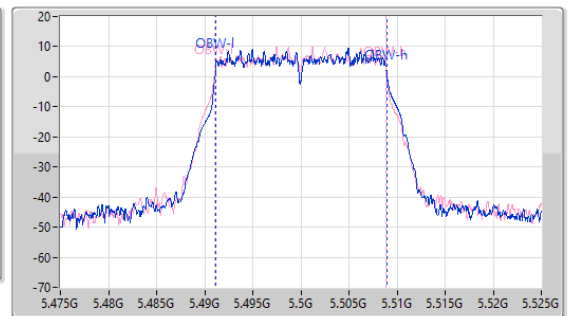
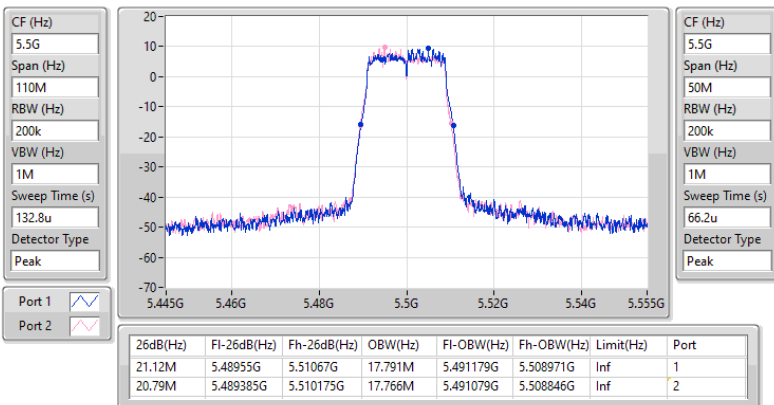


5.47-5.725GHz_802.11ac_VHT20_Nss1,(MCS0)_2TX

EBW

5500MHz

11/09/2023

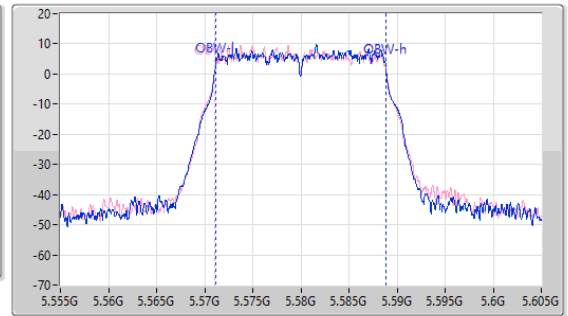
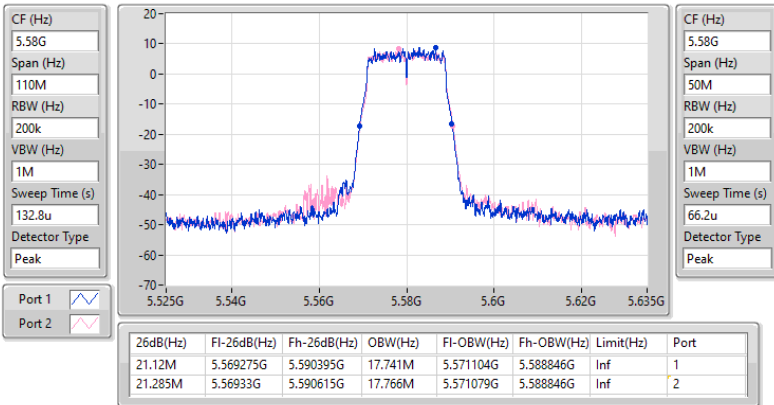


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5580MHz

11/09/2023

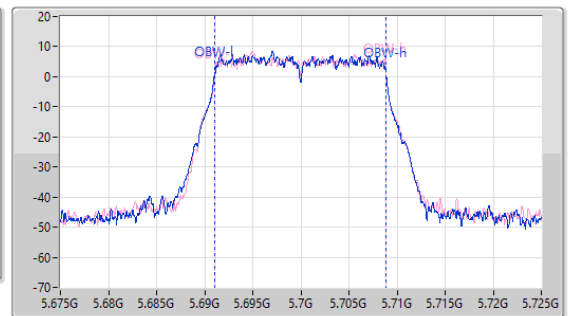
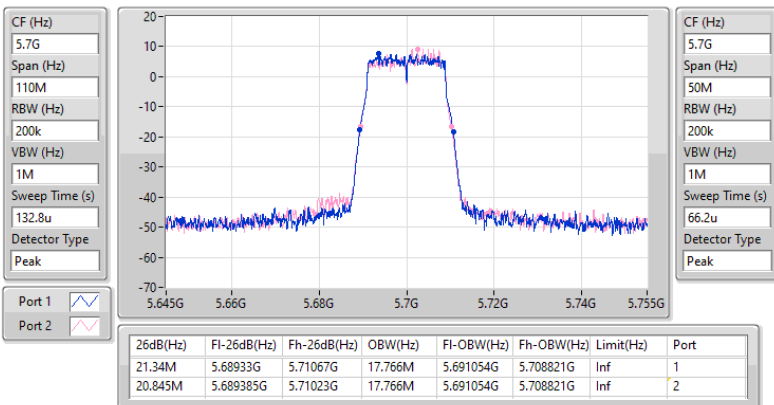


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5700MHz

11/09/2023

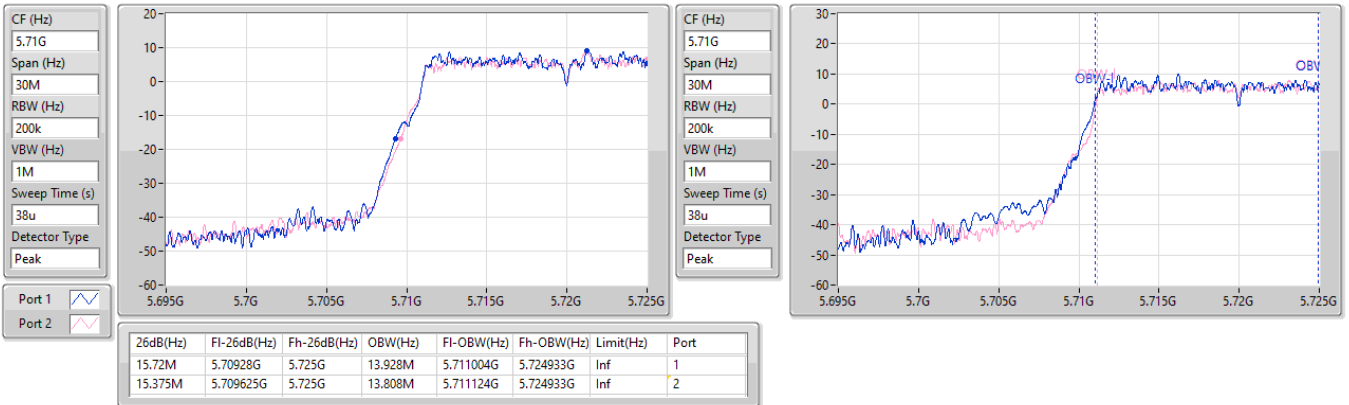


5.47-5.725GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

11/09/2023

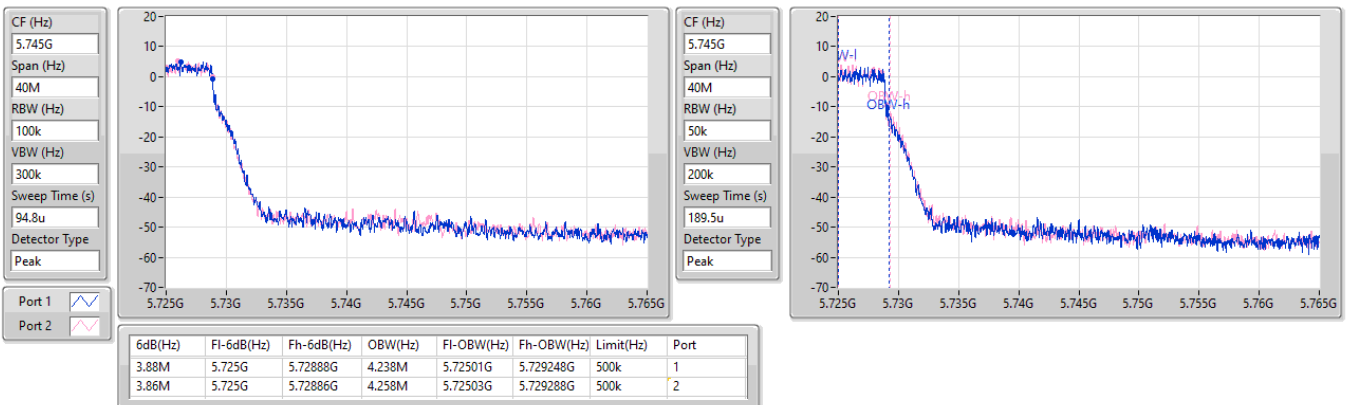


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

11/09/2023

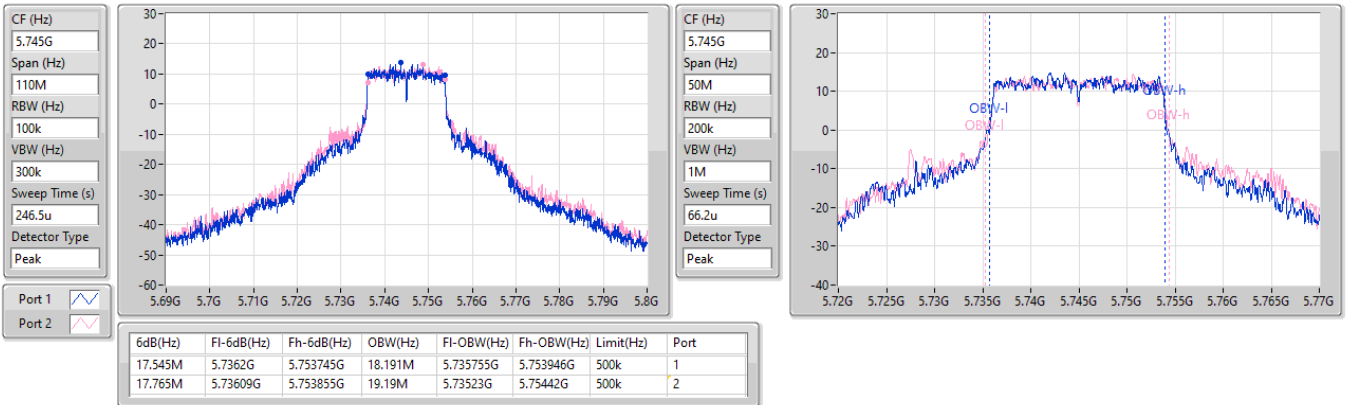


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5745MHz

11/09/2023

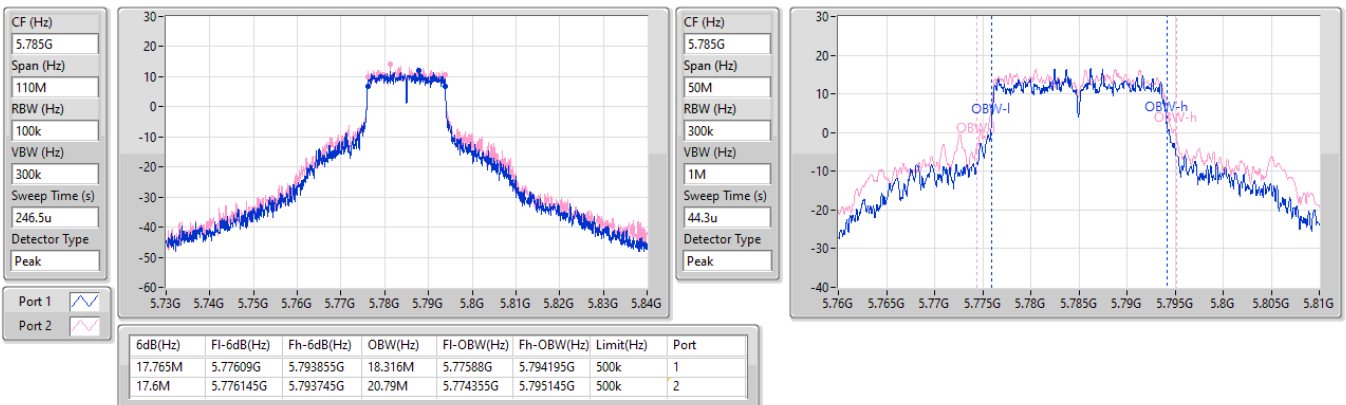


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5785MHz

11/09/2023

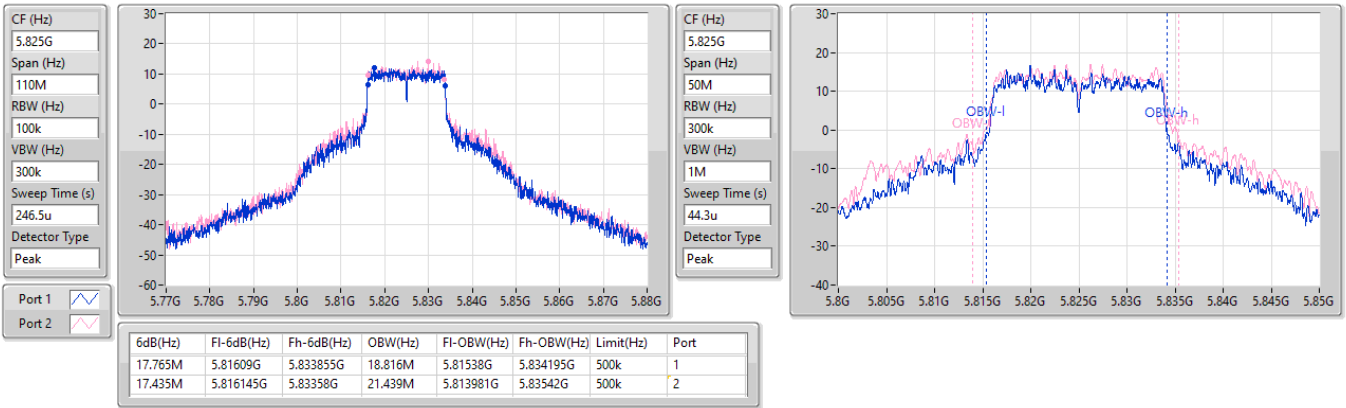


5.725-5.85GHz_802.11ac VHT20_Nss1,(MCS0)_2TX

EBW

5825MHz

11/09/2023

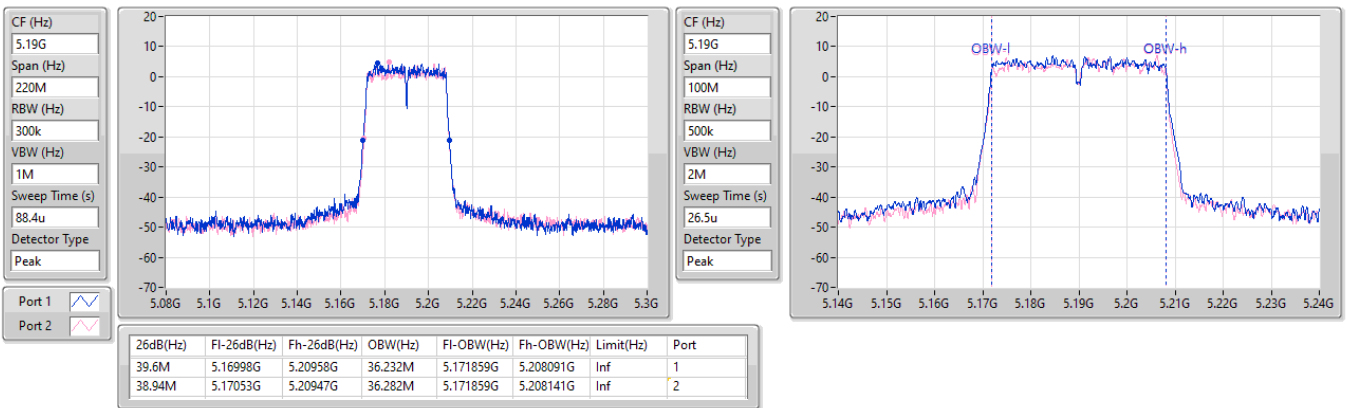


5.15-5.25GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5190MHz

20/10/2023

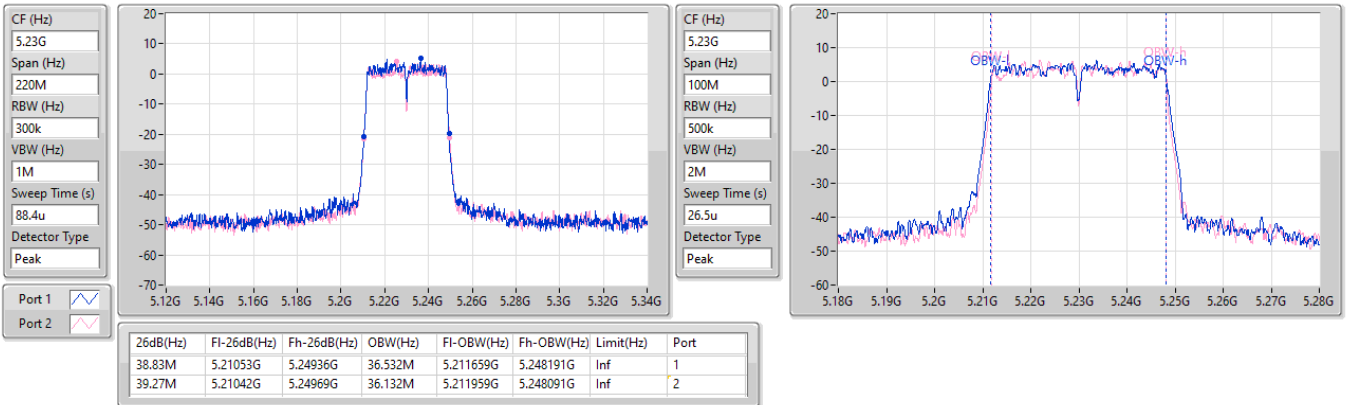


5.15-5.25GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5230MHz

20/10/2023

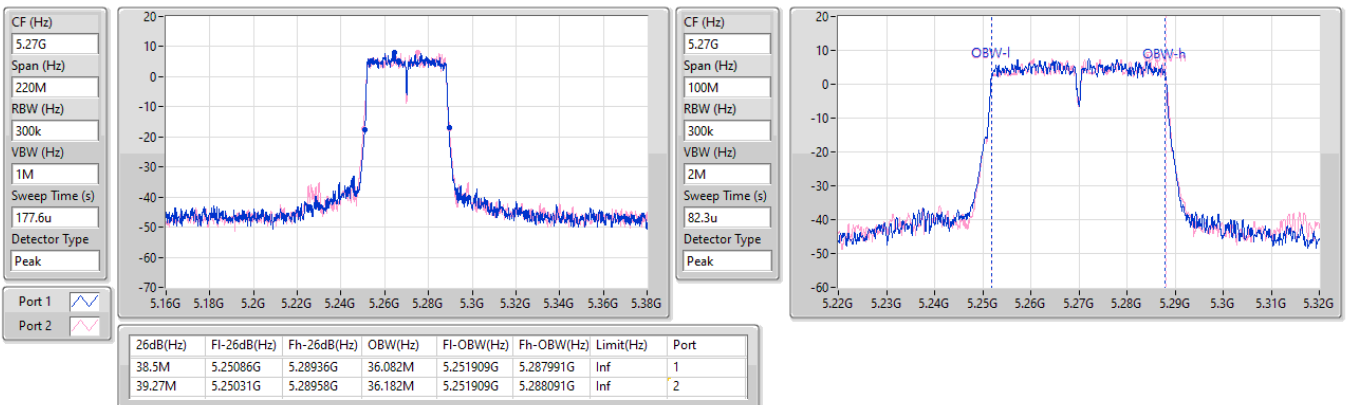


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5270MHz

11/09/2023

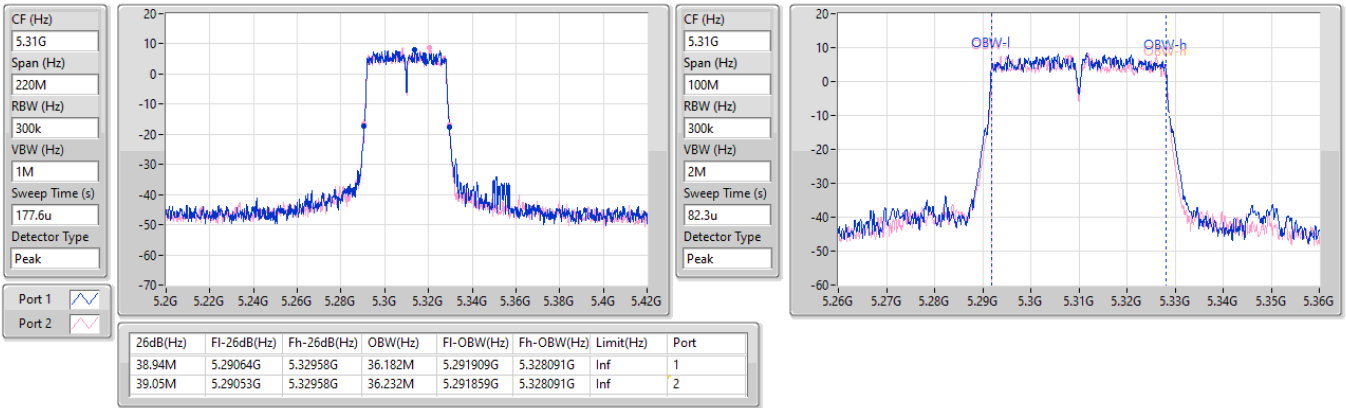


5.25-5.35GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5310MHz

11/09/2023

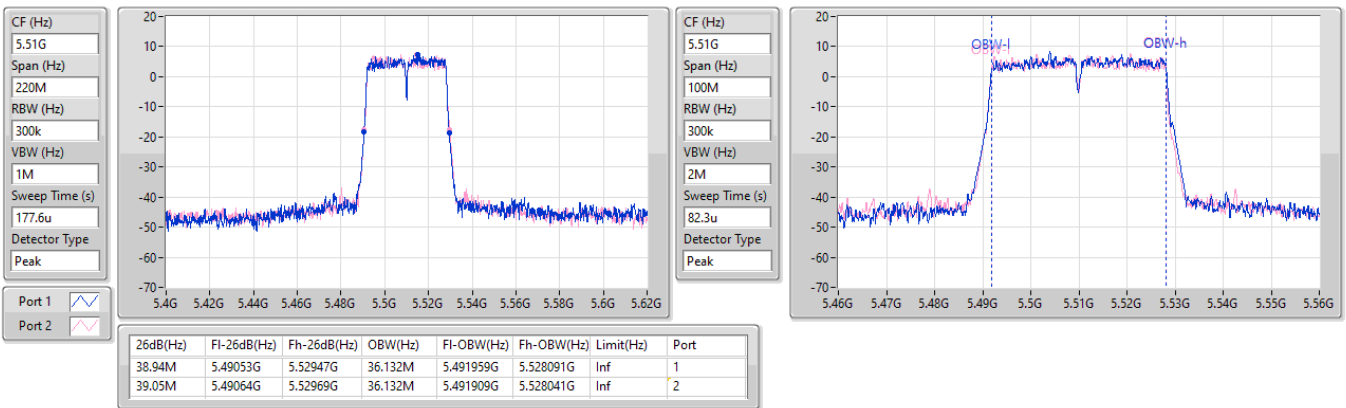


5.47-5.725GHz_802.11ac_VHT40_Nss1,(MCS0)_2TX

EBW

5510MHz

11/09/2023

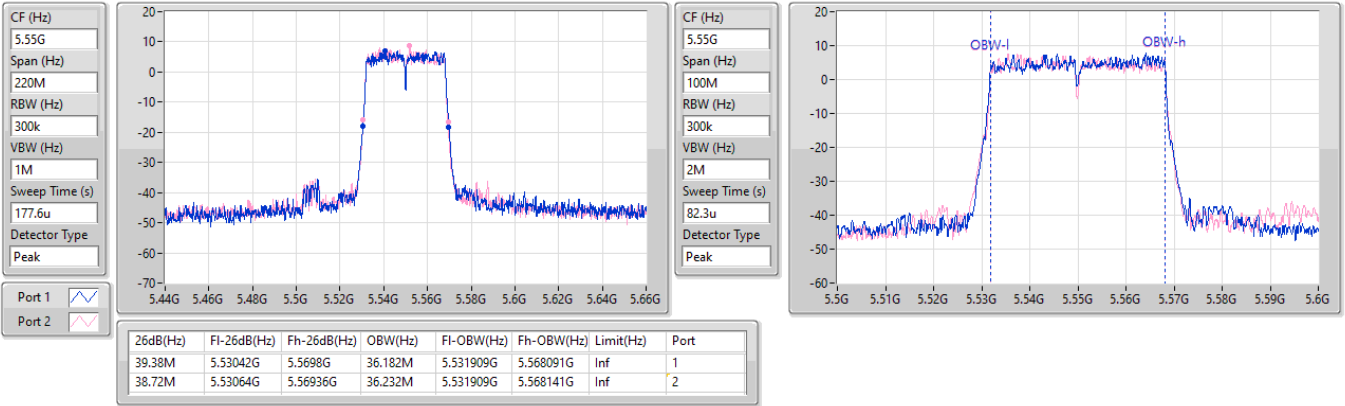


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5550MHz

11/09/2023

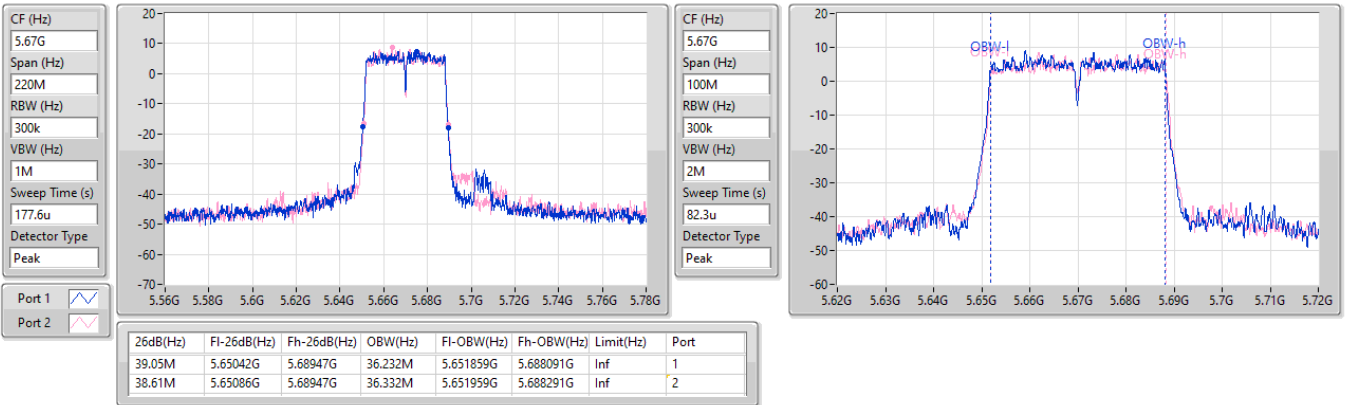


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5670MHz

11/09/2023

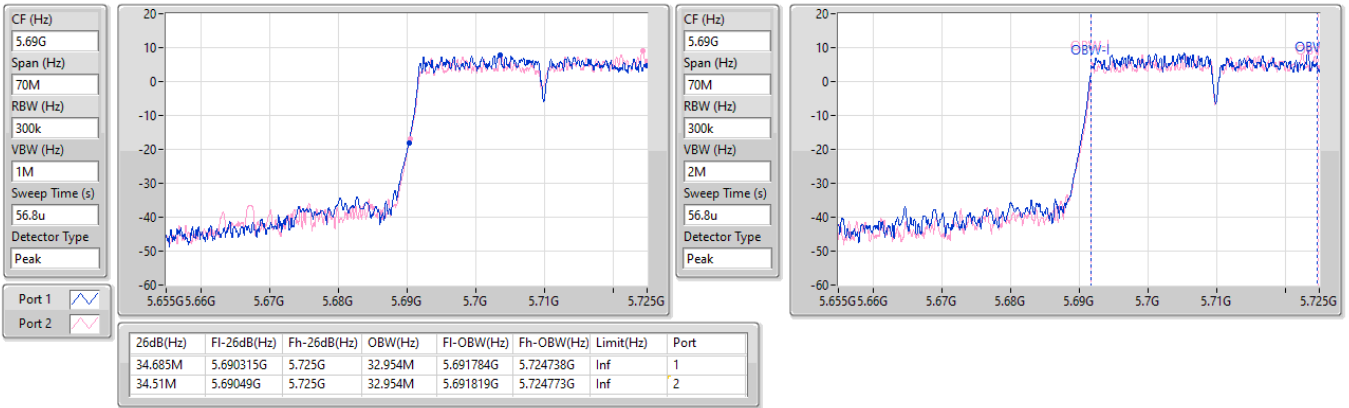


5.47-5.725GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

11/09/2023

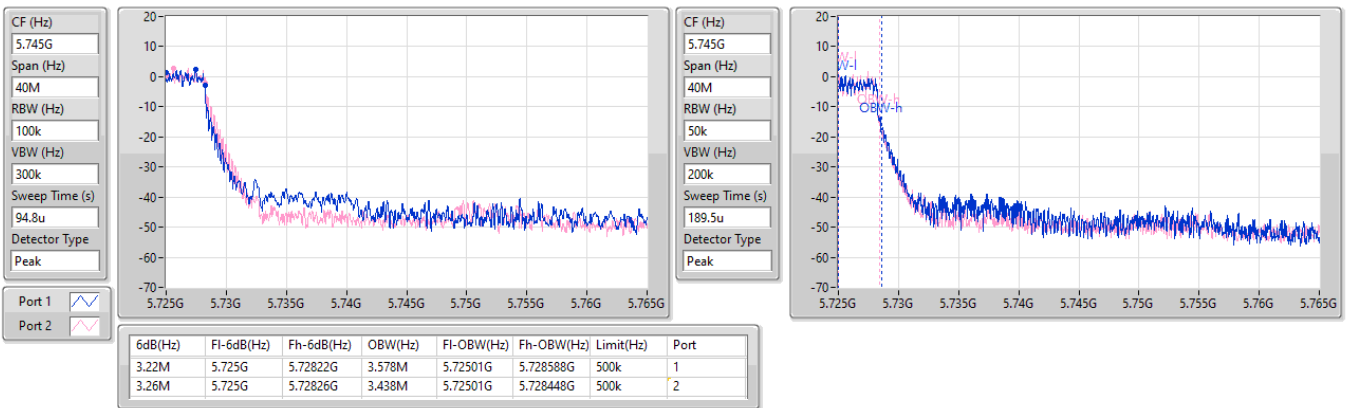


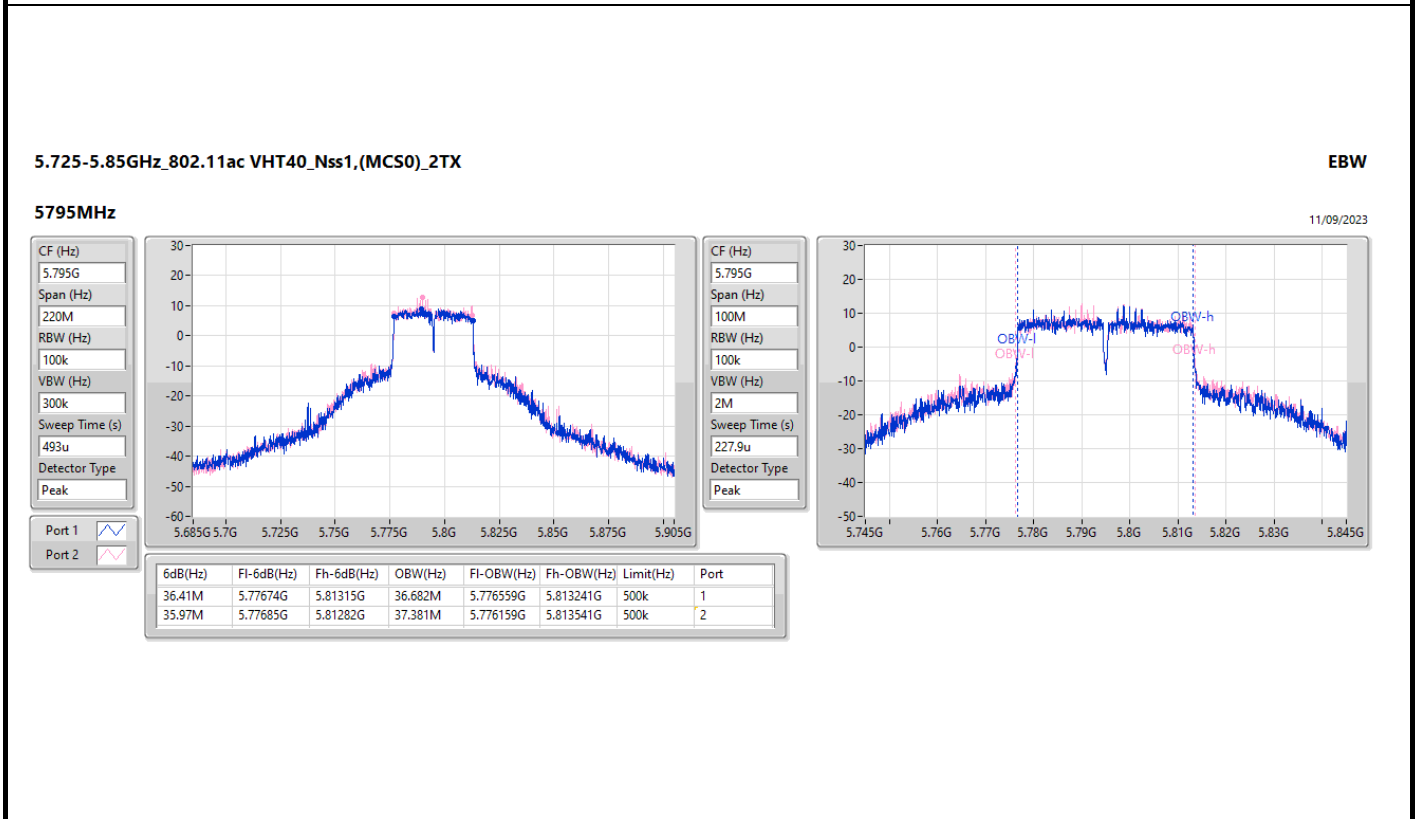
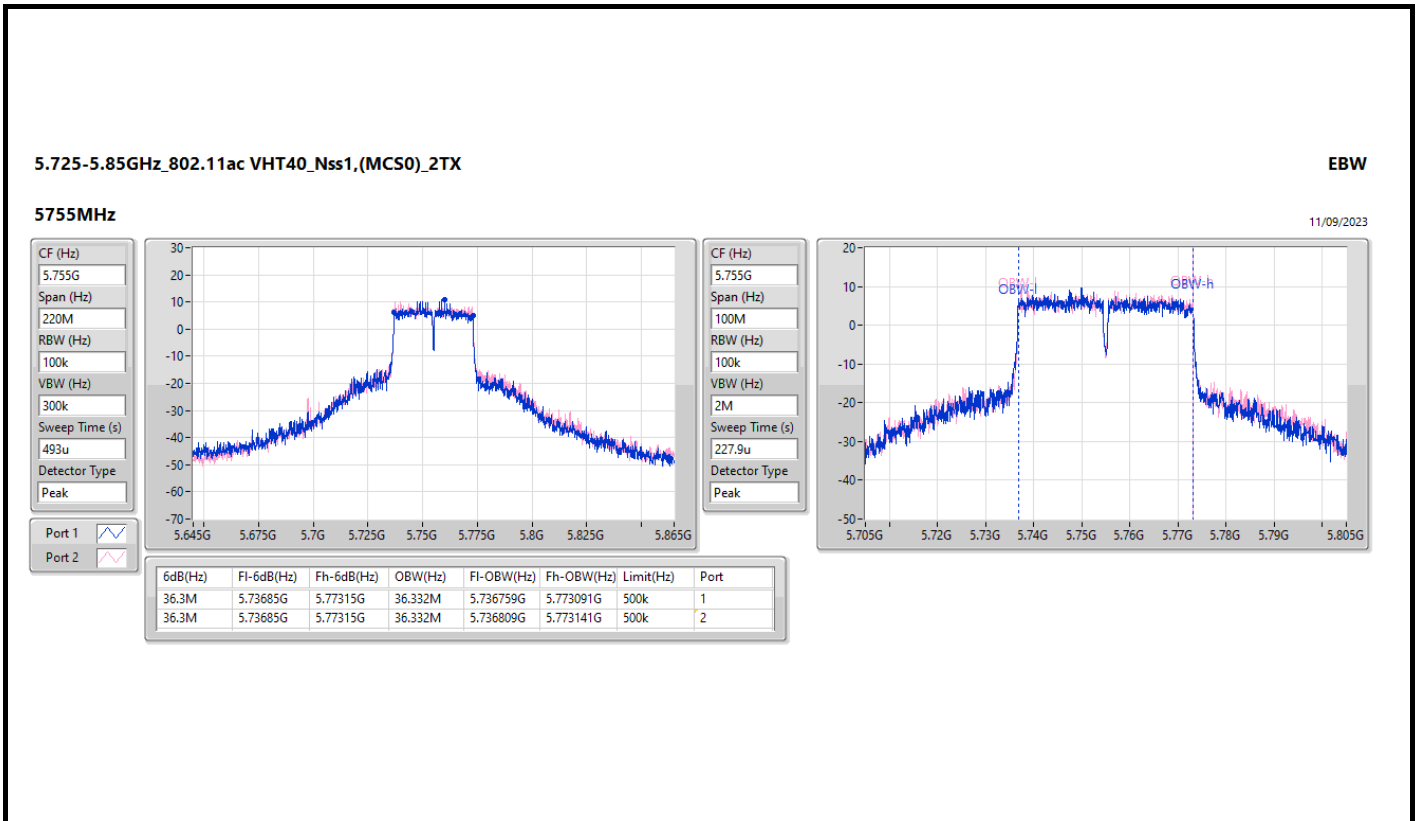
5.725-5.85GHz_802.11ac VHT40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

11/09/2023



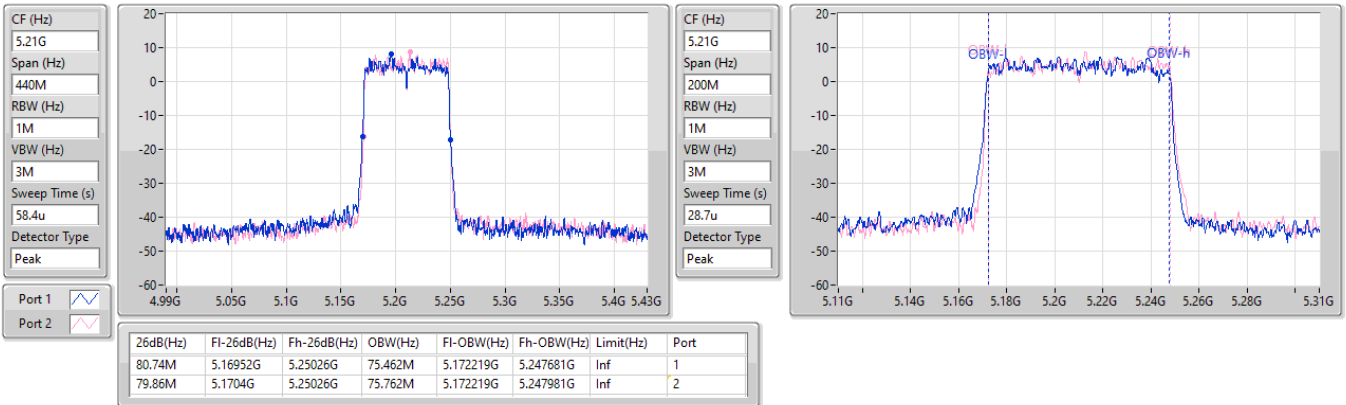


5.15-5.25GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5210MHz

20/10/2023

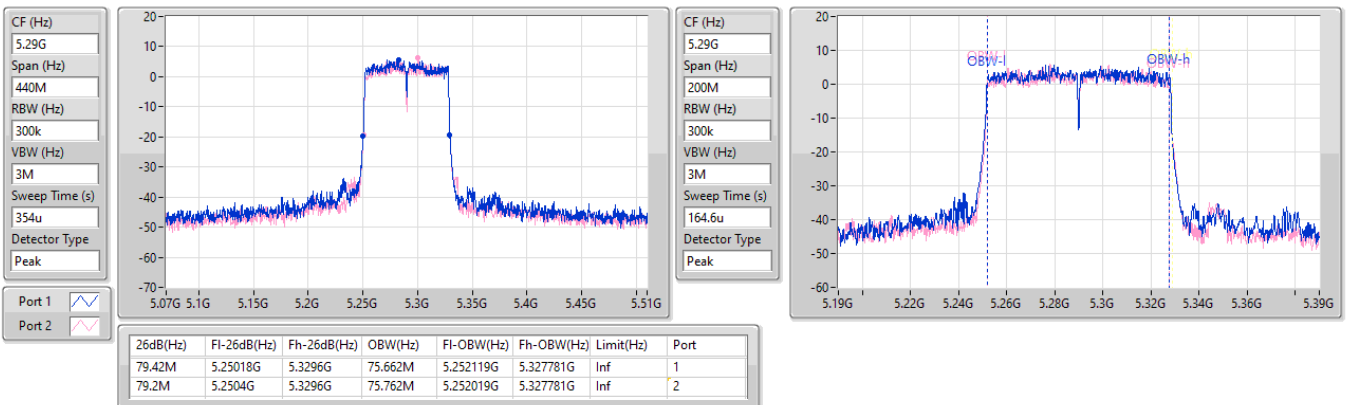


5.25-5.35GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5290MHz

11/09/2023

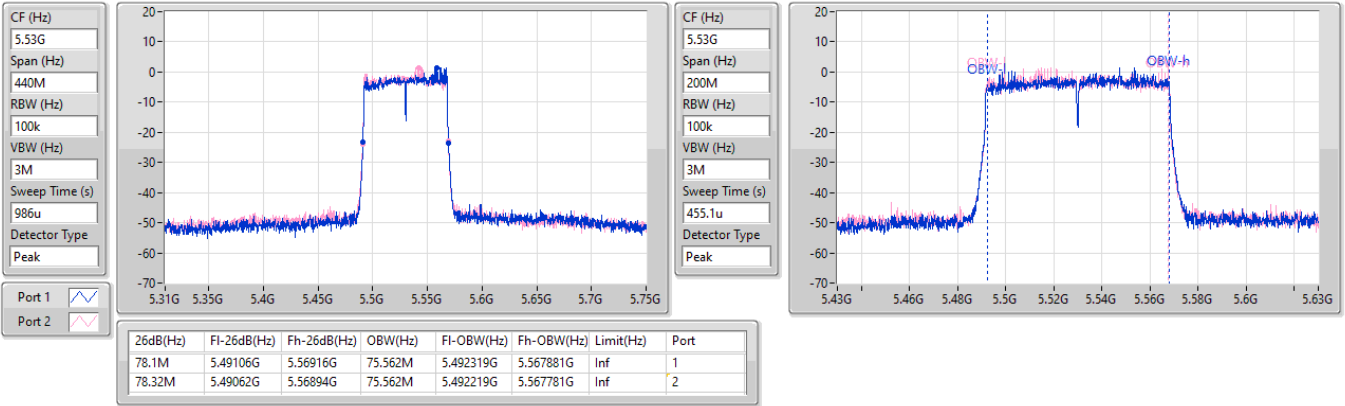


5.47-5.725GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5530MHz

11/09/2023

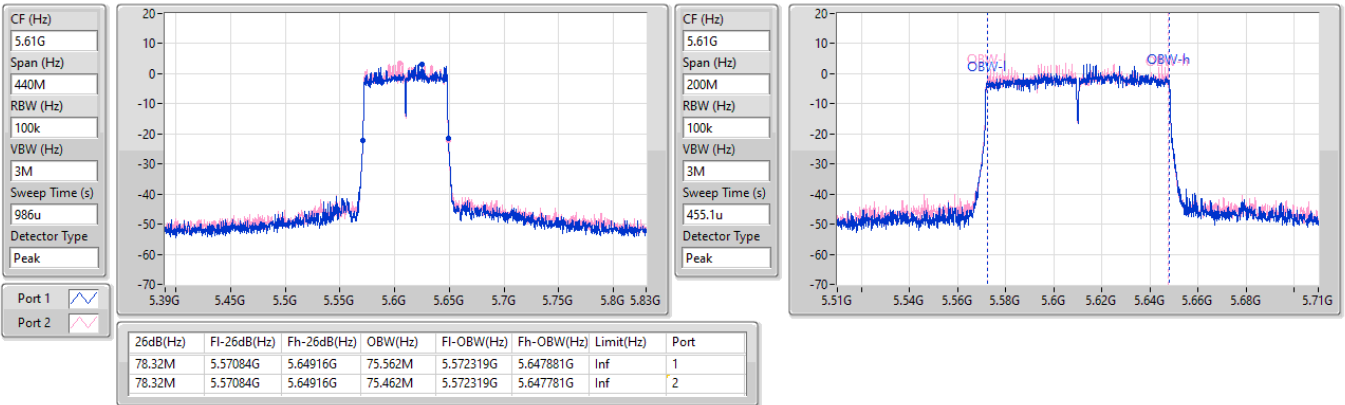


5.47-5.725GHz_802.11ac_VHT80_Nss1,(MCS0)_2TX

EBW

5610MHz

11/09/2023

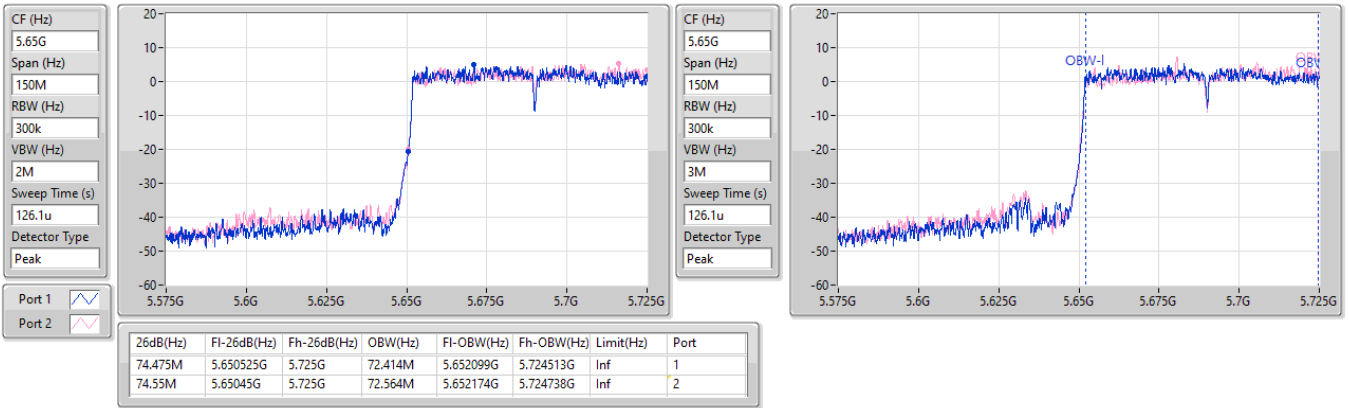


5.47-5.725GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

11/09/2023

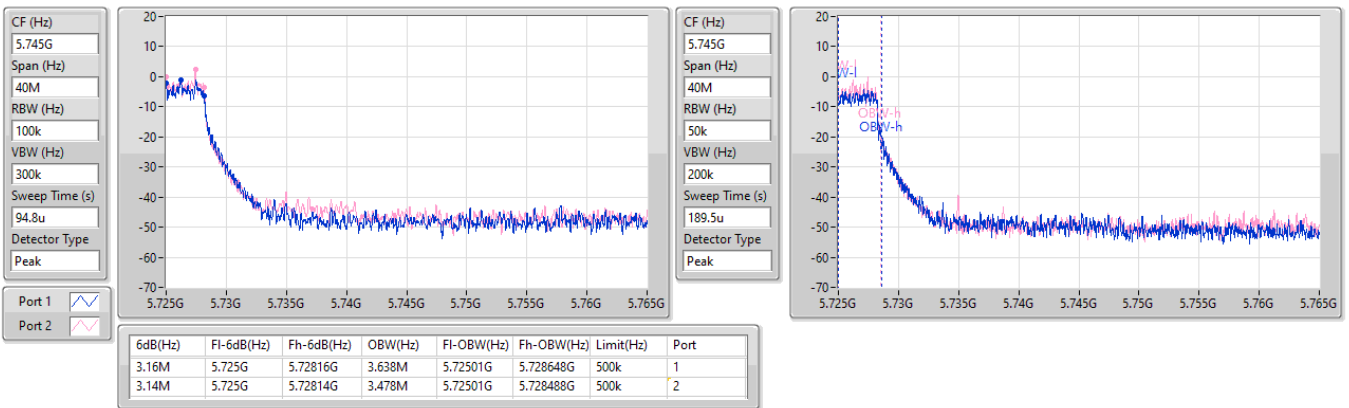


5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

11/09/2023

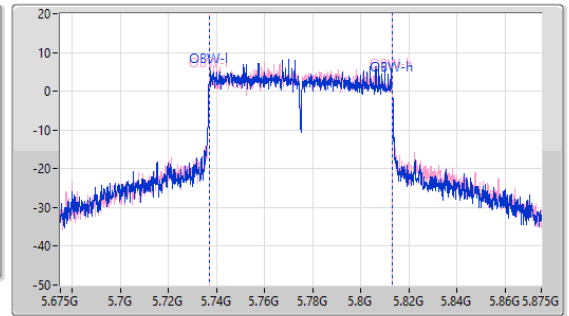
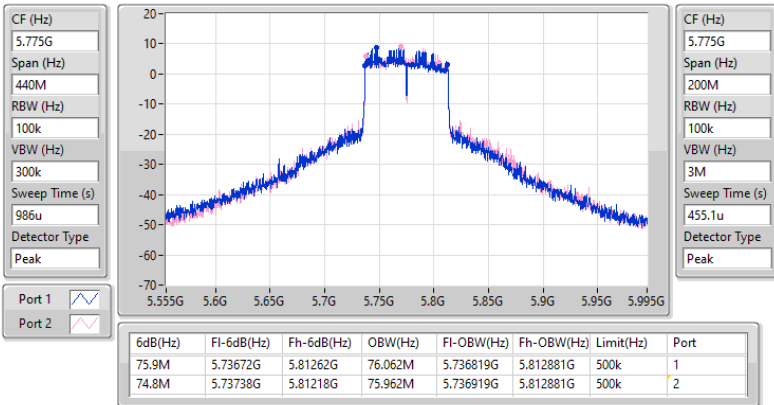


5.725-5.85GHz_802.11ac VHT80_Nss1,(MCS0)_2TX

EBW

5775MHz

11/09/2023

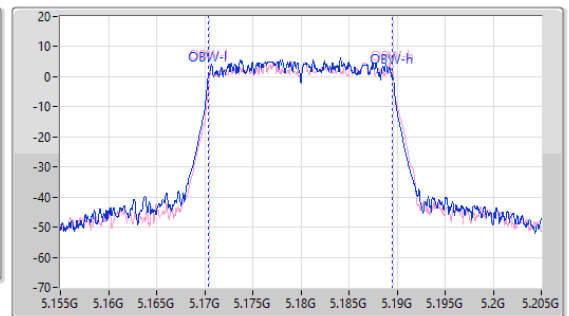
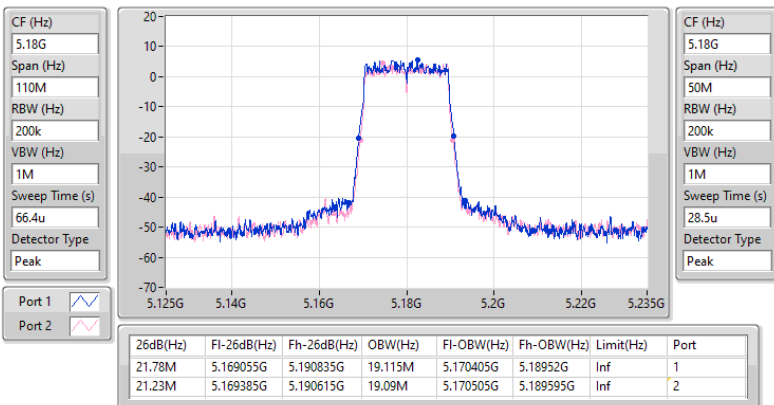


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5180MHz

20/10/2023

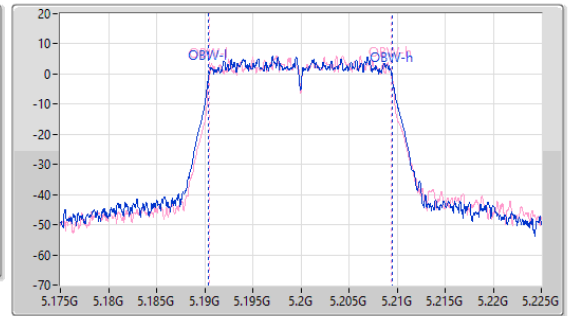
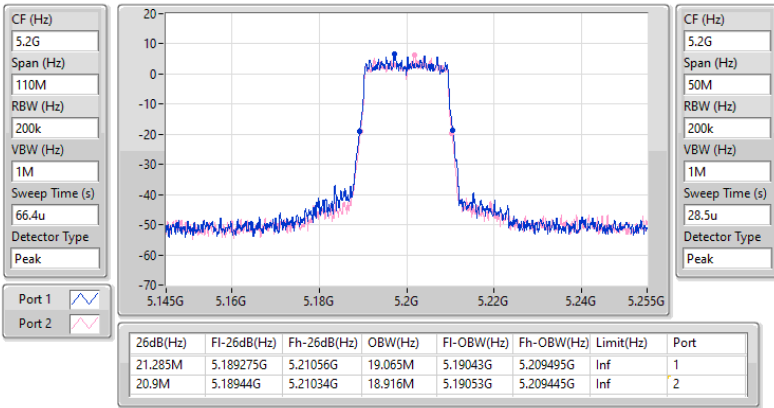


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5200MHz

20/10/2023

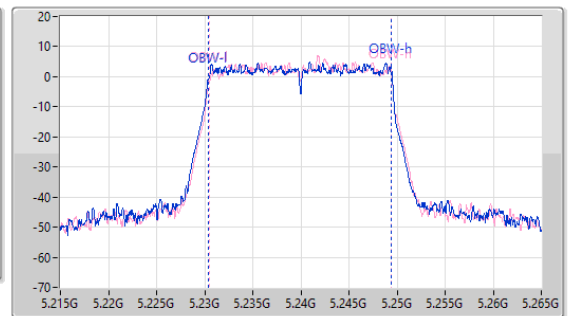
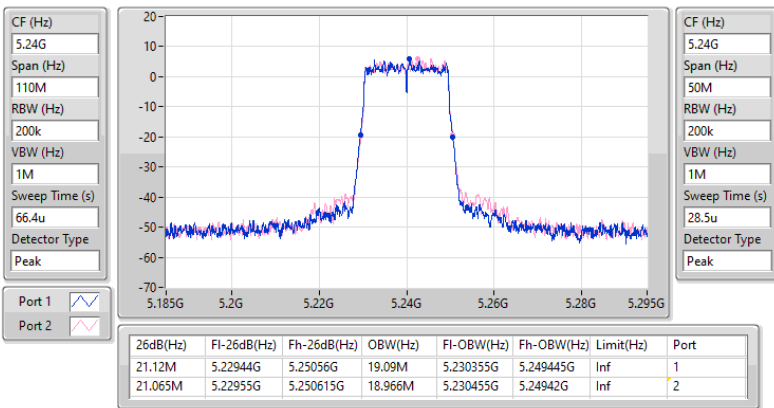


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5240MHz

20/10/2023

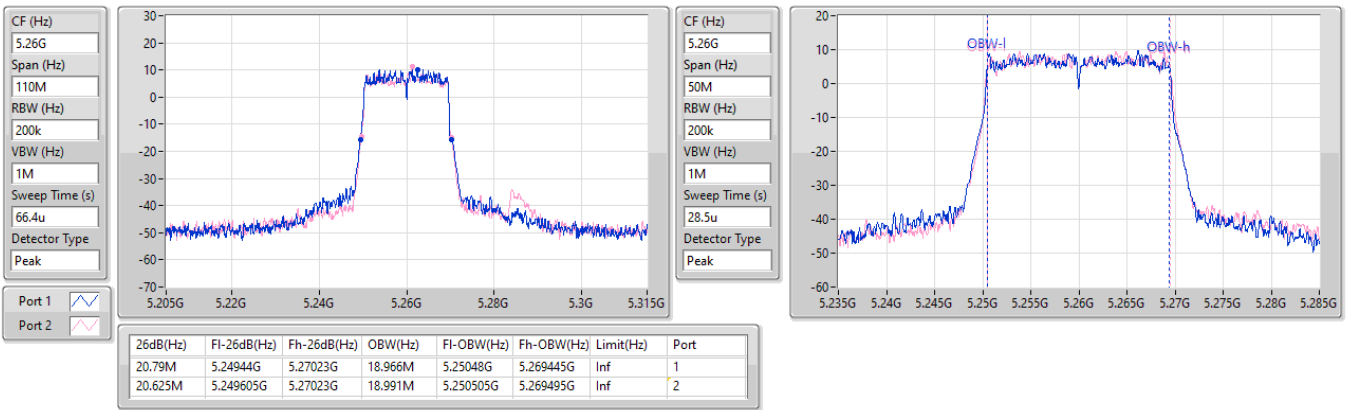


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5260MHz

05/09/2023

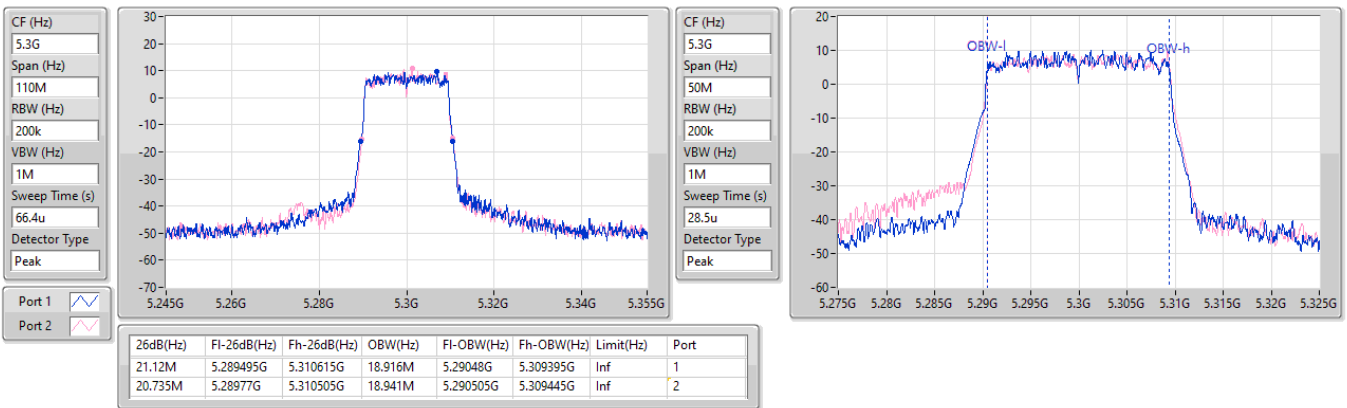


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_2TX

EBW

5300MHz

05/09/2023

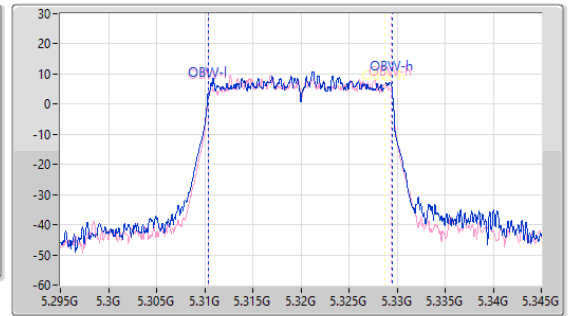
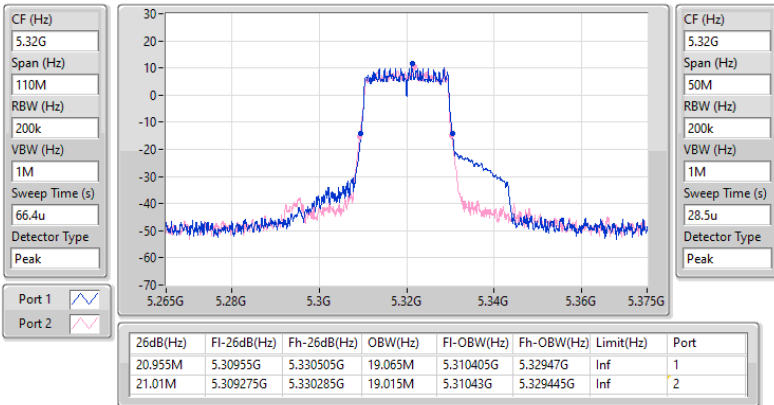


5.25-5.35GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5320MHz

05/09/2023

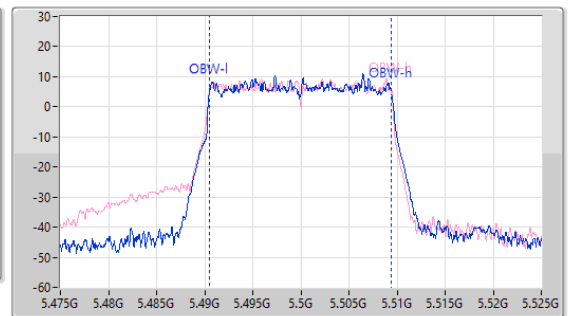
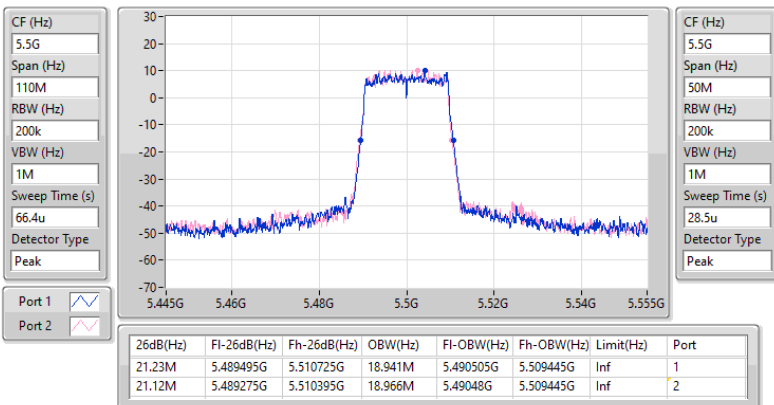


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5500MHz

05/09/2023

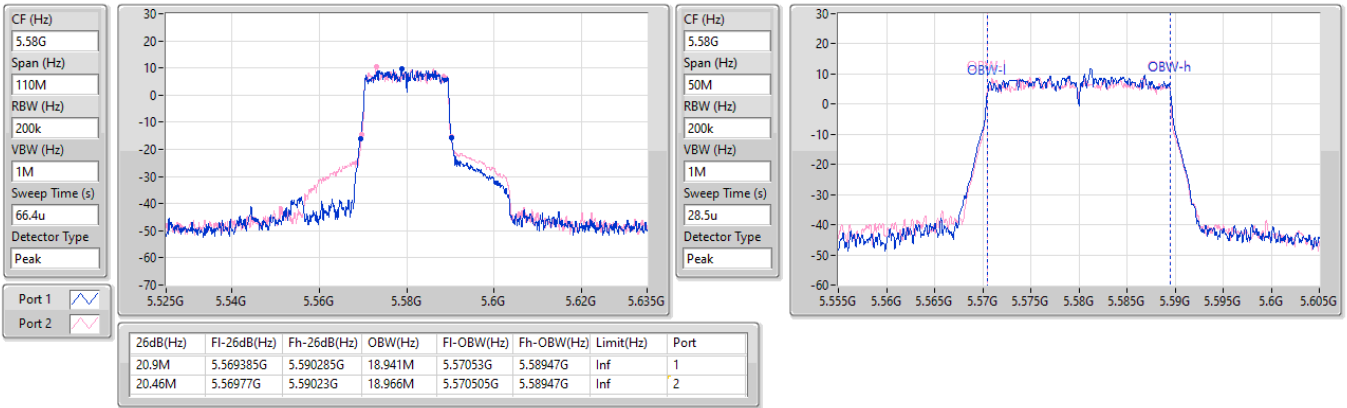


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5580MHz

05/09/2023

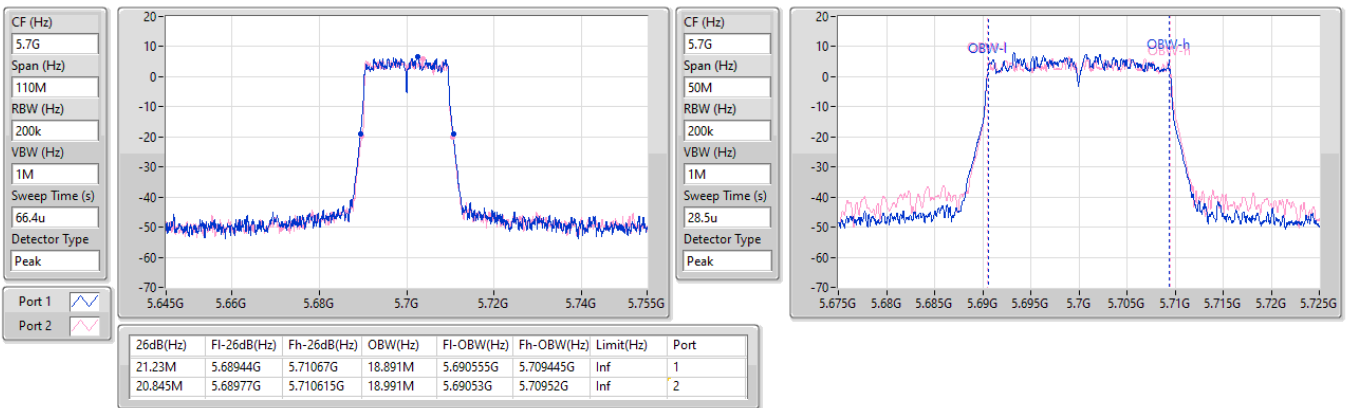


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5700MHz

05/09/2023

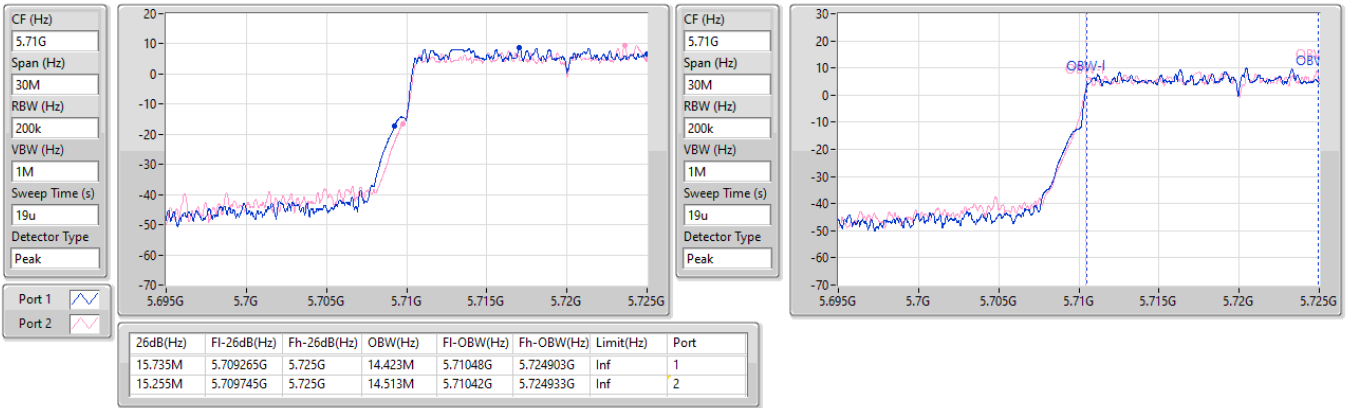


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.47-5.725GHz

06/09/2023

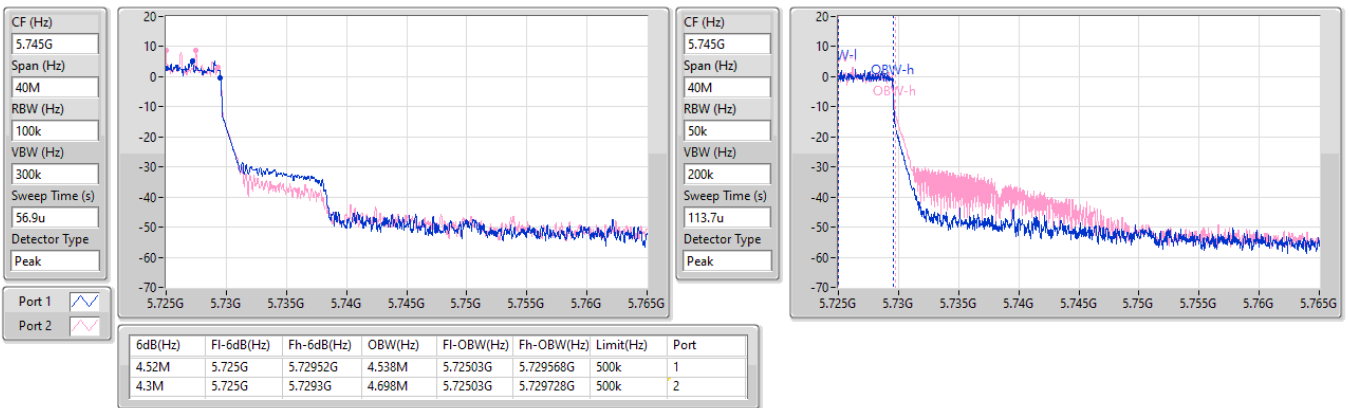


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5720MHz Straddle 5.725-5.85GHz

05/09/2023

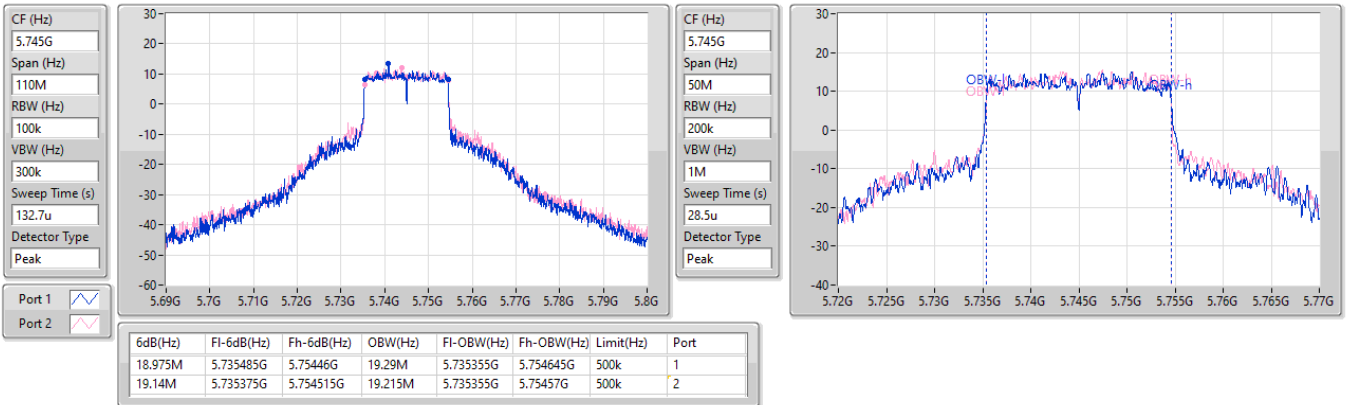


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5745MHz

05/09/2023

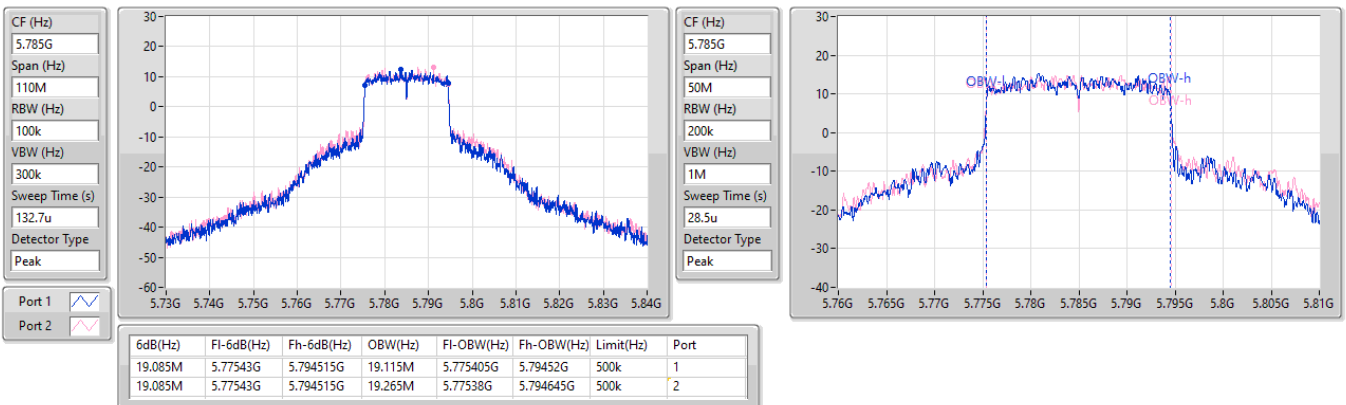


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5785MHz

05/09/2023

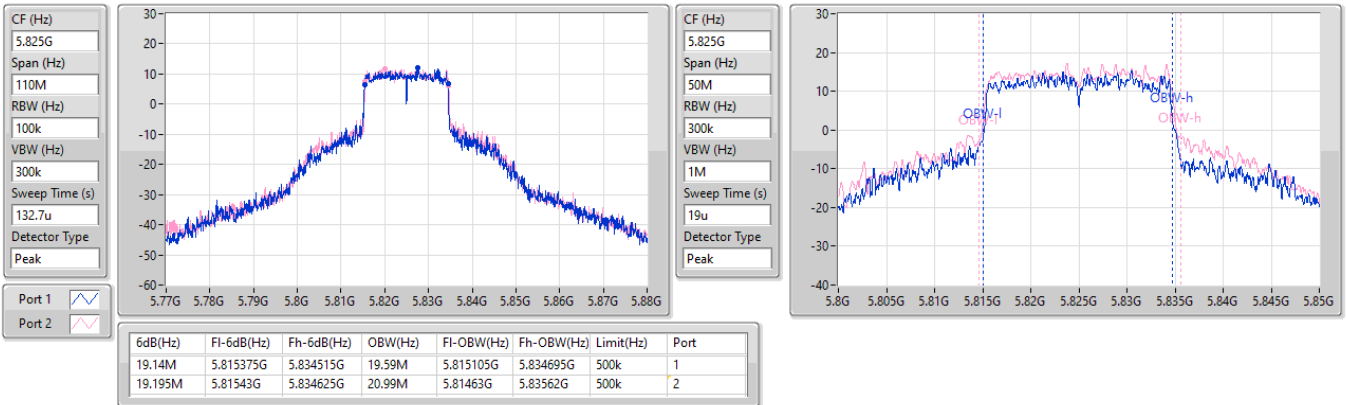


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

5825MHz

05/09/2023

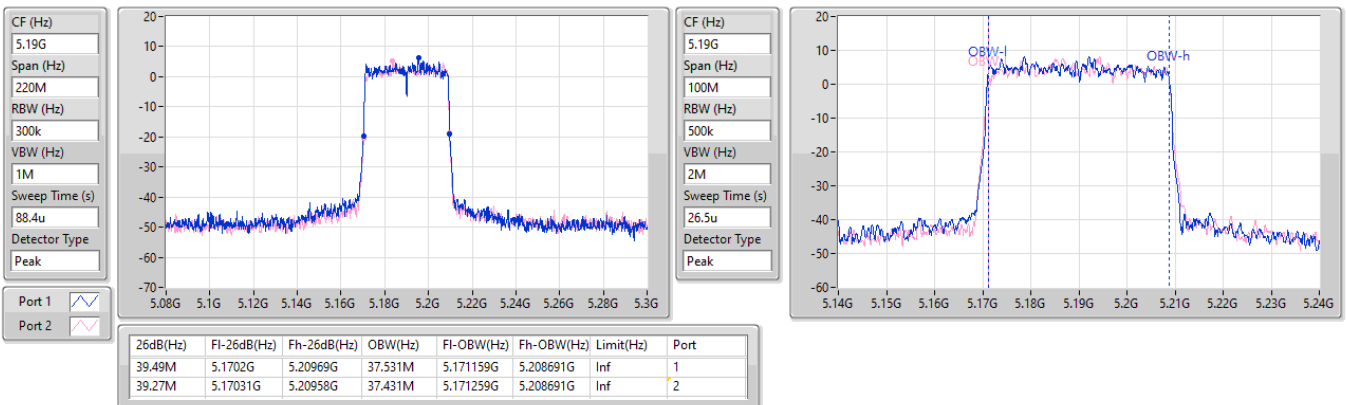


5.15-5.25GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5190MHz

20/10/2023

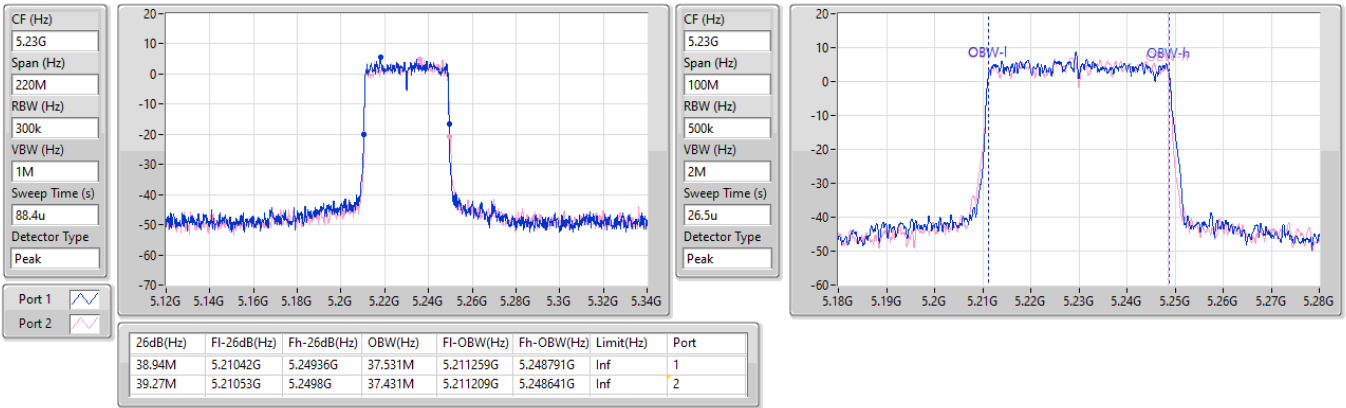


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5230MHz

20/10/2023

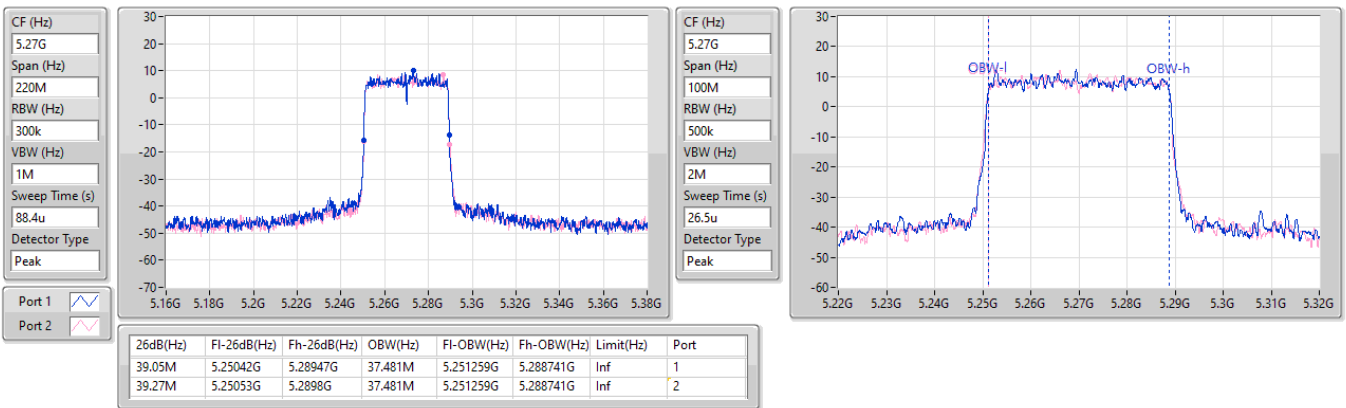


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5270MHz

05/09/2023

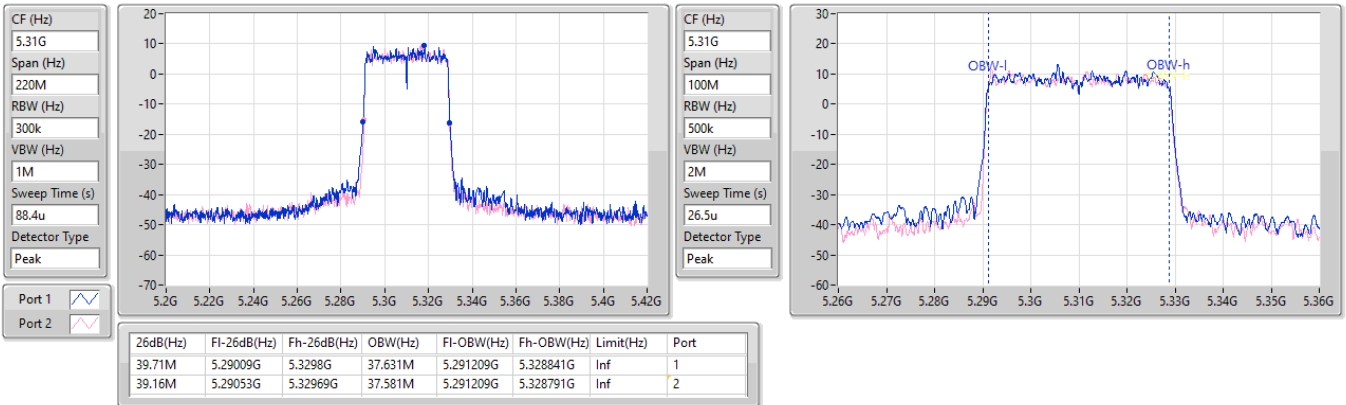


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5310MHz

05/09/2023

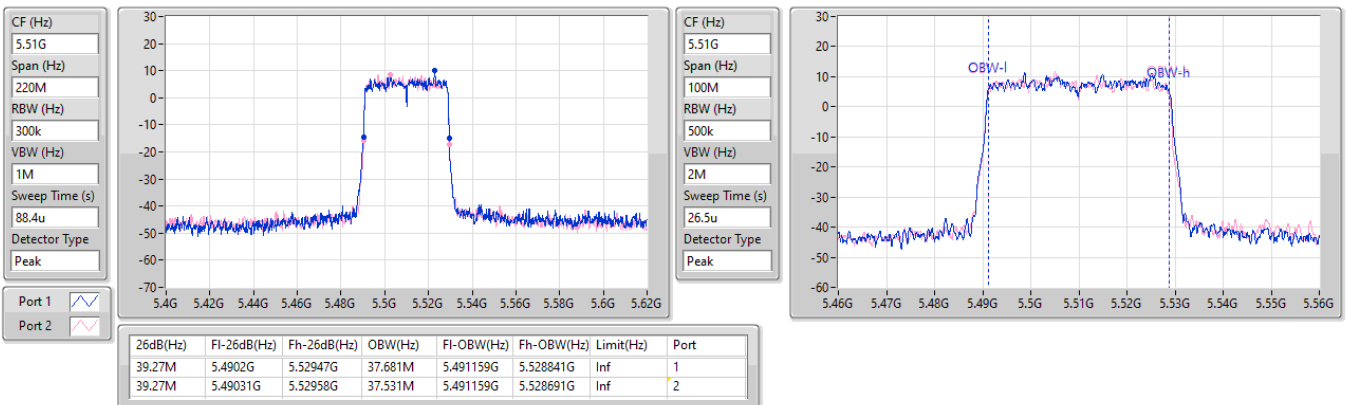


5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_2TX

EBW

5510MHz

05/09/2023

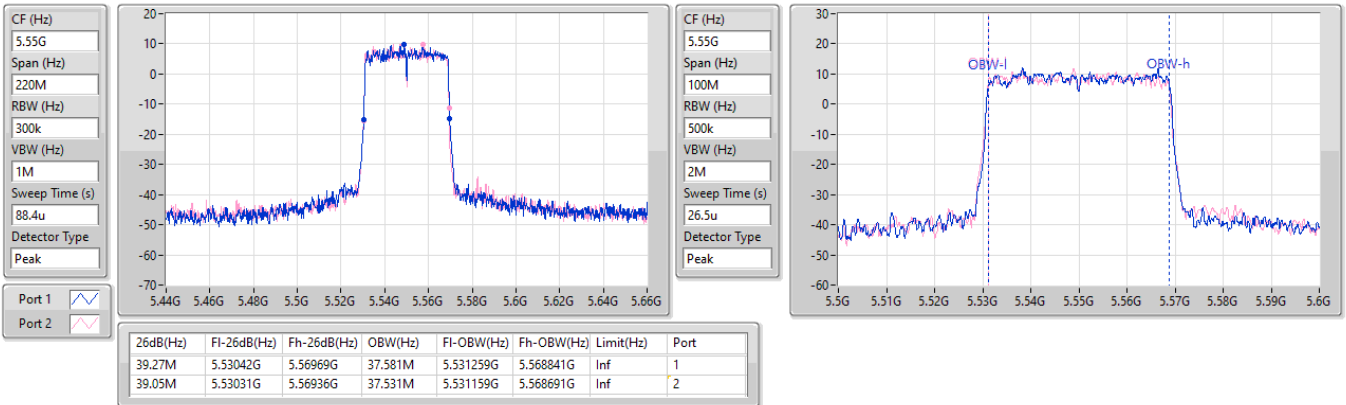


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5550MHz

05/09/2023

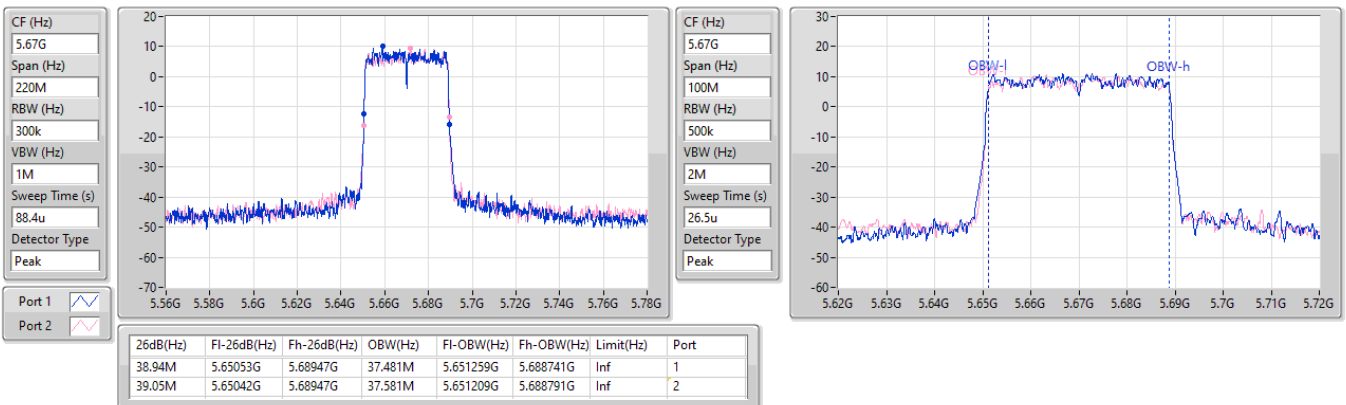


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5670MHz

05/09/2023

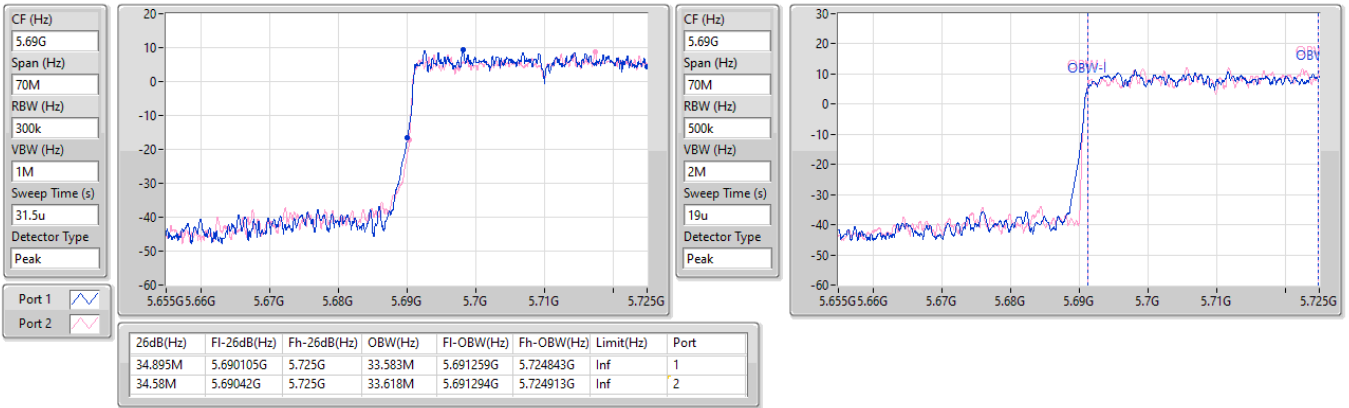


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.47-5.725GHz

05/09/2023

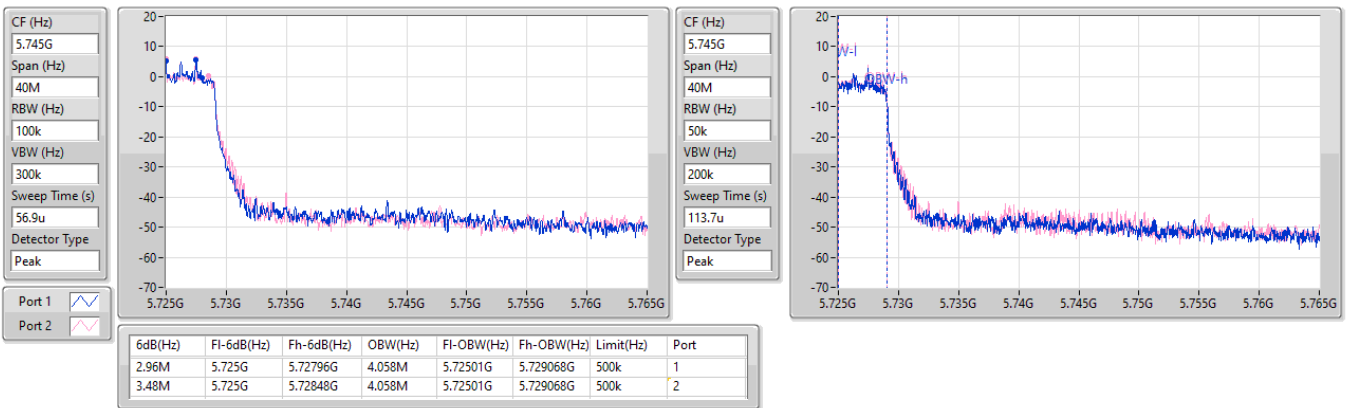


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5710MHz Straddle 5.725-5.85GHz

05/09/2023

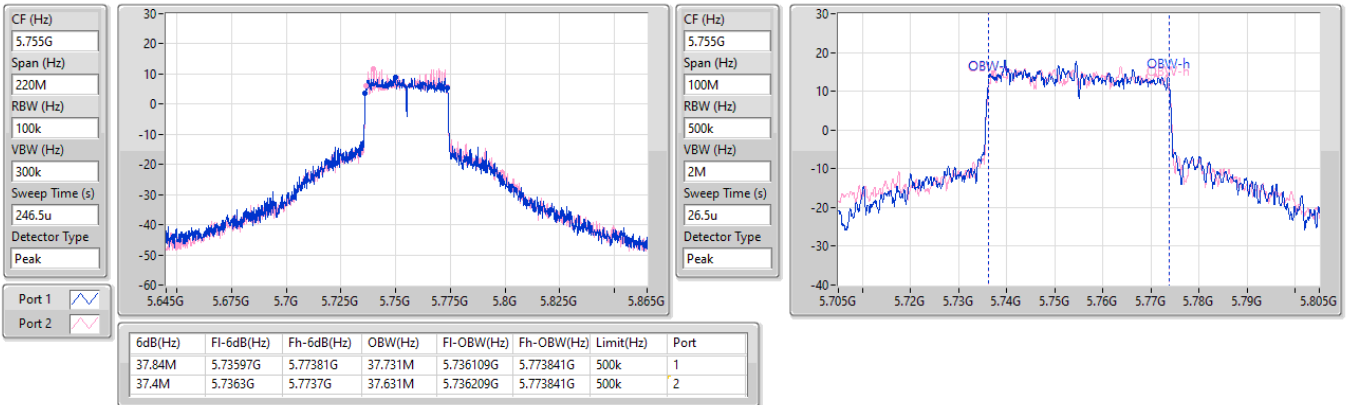


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5755MHz

05/09/2023

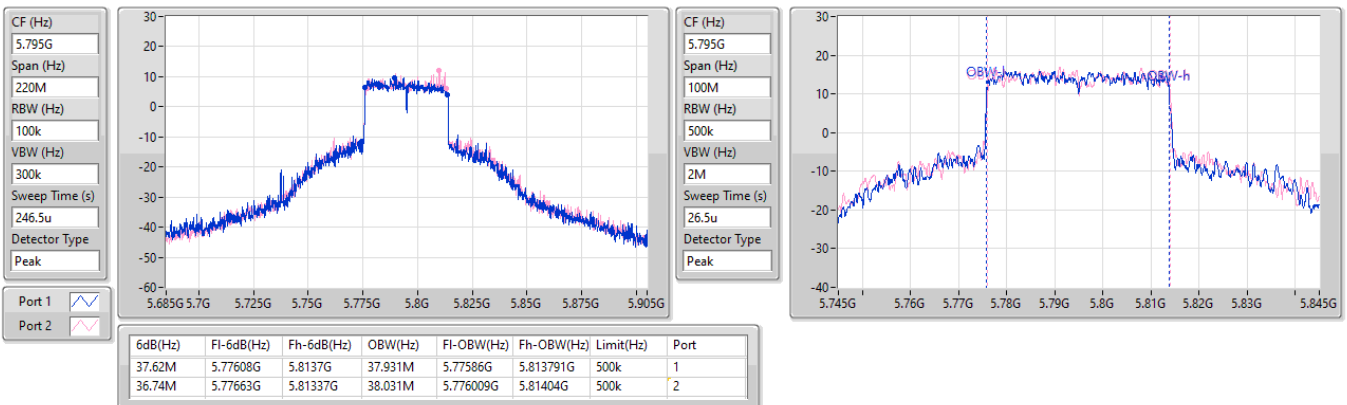


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5795MHz

05/09/2023

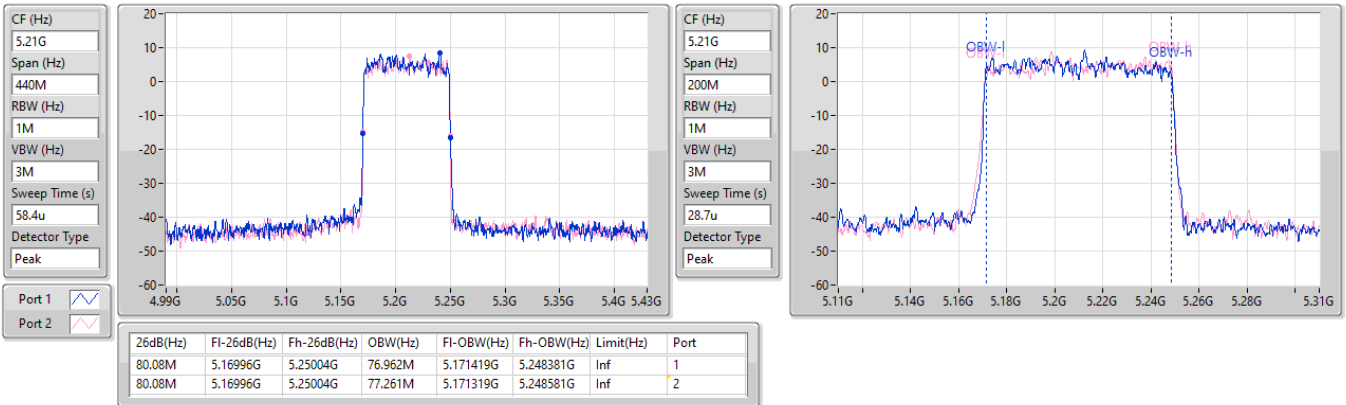


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

EBW

5210MHz

20/10/2023

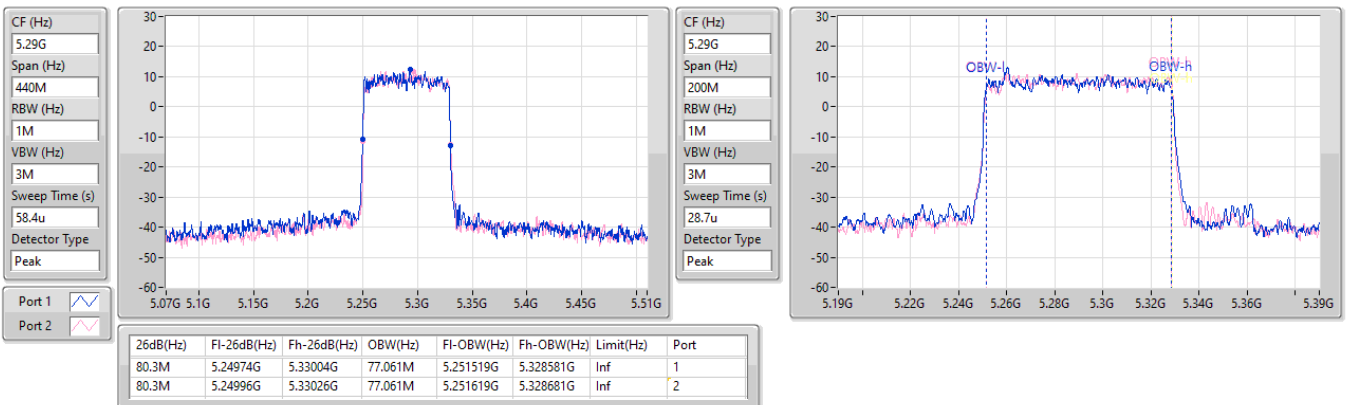


5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_2TX

EBW

5290MHz

05/09/2023

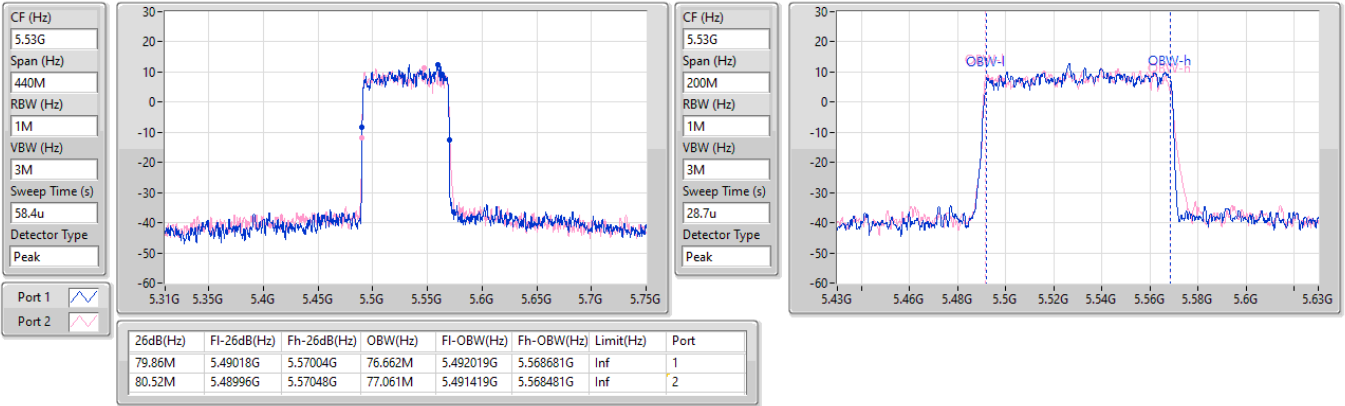


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5530MHz

05/09/2023

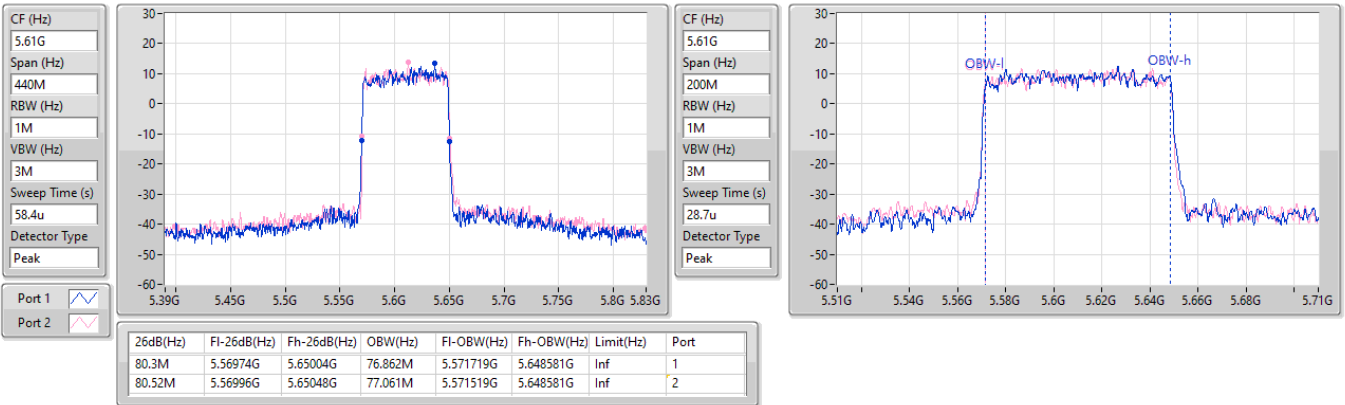


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5610MHz

06/09/2023

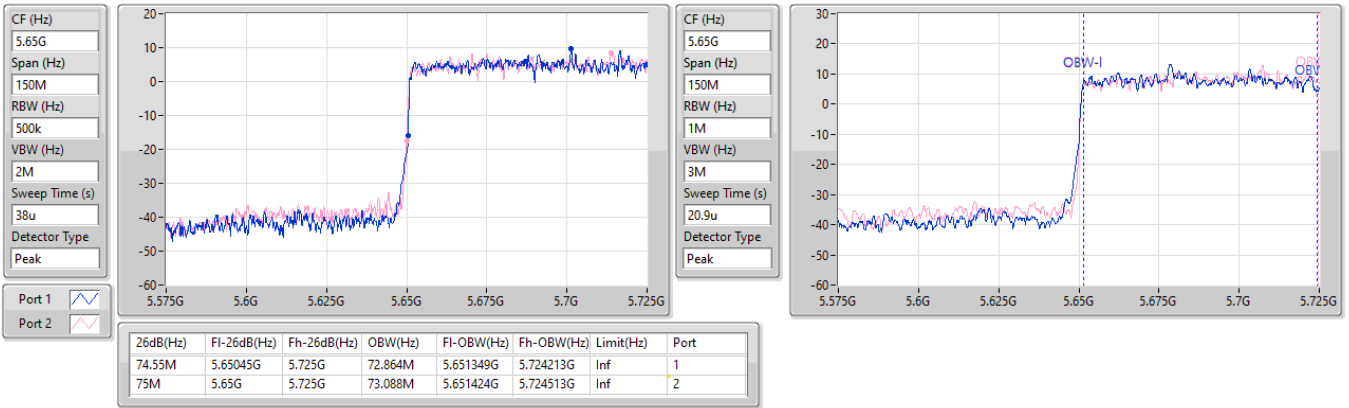


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.47-5.725GHz

06/09/2023

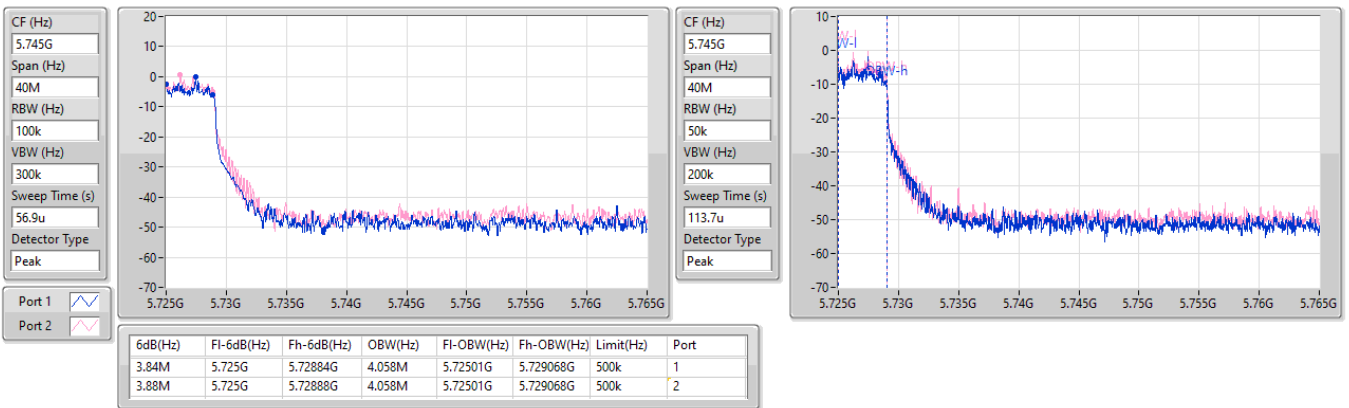


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

5690MHz Straddle 5.725-5.85GHz

06/09/2023







Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.38	0.86696	29.82	0.9594
802.11n HT20_Nss1,(MCS0)_2TX	29.53	0.89743	29.93	0.98401
802.11n HT40_Nss1,(MCS0)_2TX	28.06	0.63973	28.28	0.67298
802.11ac VHT20_Nss1,(MCS0)_2TX	29.62	0.91622	30.02	1.00462
802.11ac VHT40_Nss1,(MCS0)_2TX	28.06	0.63973	28.30	0.67608
802.11ac VHT80_Nss1,(MCS0)_2TX	22.54	0.17947	23.00	0.19953
802.11ax HEW20_Nss1,(MCS0)_2TX	29.75	0.94406	30.16	1.03753
802.11ax HEW40_Nss1,(MCS0)_2TX	28.03	0.63533	28.23	0.66527
802.11ax HEW80_Nss1,(MCS0)_2TX	22.82	0.19143	23.27	0.21232
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.77	0.23823	24.12	0.25823
802.11n HT20_Nss1,(MCS0)_2TX	23.70	0.23442	23.90	0.24547
802.11n HT40_Nss1,(MCS0)_2TX	23.64	0.23121	23.86	0.24322
802.11ac VHT20_Nss1,(MCS0)_2TX	23.80	0.23988	24.03	0.25293
802.11ac VHT40_Nss1,(MCS0)_2TX	23.93	0.24717	24.13	0.25882
802.11ac VHT80_Nss1,(MCS0)_2TX	23.88	0.24434	24.01	0.25177
802.11ax HEW20_Nss1,(MCS0)_2TX	23.90	0.24547	24.12	0.25823
802.11ax HEW40_Nss1,(MCS0)_2TX	23.91	0.24604	24.23	0.26485
802.11ax HEW80_Nss1,(MCS0)_2TX	23.81	0.24044	24.11	0.25763
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.39	0.21827	23.83	0.24155
802.11n HT20_Nss1,(MCS0)_2TX	23.85	0.24266	24.34	0.27164
802.11n HT40_Nss1,(MCS0)_2TX	23.90	0.24547	24.08	0.25586
802.11ac VHT20_Nss1,(MCS0)_2TX	23.95	0.24831	24.37	0.27353
802.11ac VHT40_Nss1,(MCS0)_2TX	23.75	0.23714	24.02	0.25235
802.11ac VHT80_Nss1,(MCS0)_2TX	23.78	0.23878	24.14	0.25942
802.11ax HEW20_Nss1,(MCS0)_2TX	23.91	0.24604	24.33	0.27102
802.11ax HEW40_Nss1,(MCS0)_2TX	23.92	0.2466	24.32	0.2704
802.11ax HEW80_Nss1,(MCS0)_2TX	23.92	0.2466	24.40	0.27542
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.99	0.9977	30.57	1.14025
802.11n HT20_Nss1,(MCS0)_2TX	29.92	0.98175	30.55	1.13501
802.11n HT40_Nss1,(MCS0)_2TX	29.80	0.95499	30.12	1.02802
802.11ac VHT20_Nss1,(MCS0)_2TX	29.97	0.99312	30.55	1.13501
802.11ac VHT40_Nss1,(MCS0)_2TX	29.70	0.93325	30.06	1.01391
802.11ac VHT80_Nss1,(MCS0)_2TX	25.20	0.33113	25.51	0.35563
802.11ax HEW20_Nss1,(MCS0)_2TX	29.89	0.97499	30.39	1.09396
802.11ax HEW40_Nss1,(MCS0)_2TX	29.90	0.97724	30.32	1.07647
802.11ax HEW80_Nss1,(MCS0)_2TX	25.14	0.32659	25.42	0.34834



Result

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	23.99	24.20	27.11	30.00	27.57	36.00
5200MHz	Pass	2.58	3.37	26.15	26.55	29.36	30.00	29.92	36.00
5240MHz	Pass	2.58	3.37	26.28	26.45	29.38	30.00	29.82	36.00
5260MHz	Pass	2.58	3.37	20.66	20.51	23.60	23.98	23.88	30.00
5300MHz	Pass	2.58	3.37	20.44	20.46	23.46	23.98	23.83	30.00
5320MHz	Pass	2.58	3.37	20.76	20.75	23.77	23.98	24.12	30.00
5500MHz	Pass	2.58	3.37	20.29	20.46	23.39	23.98	23.83	30.00
5580MHz	Pass	2.58	3.37	20.18	20.27	23.24	23.98	23.64	30.00
5700MHz	Pass	2.58	3.37	20.24	20.19	23.23	23.98	23.56	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.30	19.07	22.20	22.80	22.44	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.43	13.52	16.49	30.00	16.89	36.00
5745MHz	Pass	2.58	3.37	26.75	27.20	29.99	30.00	30.57	36.00
5785MHz	Pass	2.58	3.37	26.61	27.00	29.82	30.00	30.37	36.00
5825MHz	Pass	2.58	3.37	26.66	26.88	29.78	30.00	30.25	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	23.46	23.54	26.51	30.00	26.91	36.00
5200MHz	Pass	2.58	3.37	26.47	26.56	29.53	30.00	29.93	36.00
5240MHz	Pass	2.58	3.37	26.32	26.50	29.42	30.00	29.87	36.00
5260MHz	Pass	2.58	3.37	20.75	20.58	23.68	23.98	23.95	30.00
5300MHz	Pass	2.58	3.37	20.82	20.54	23.69	23.98	23.91	30.00
5320MHz	Pass	2.58	3.37	20.85	20.53	23.70	23.98	23.90	30.00
5500MHz	Pass	2.58	3.37	20.83	20.67	23.76	23.98	24.04	30.00
5580MHz	Pass	2.58	3.37	20.70	20.97	23.85	23.98	24.34	30.00
5700MHz	Pass	2.58	3.37	20.23	20.20	23.23	23.98	23.57	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.75	19.57	22.67	22.74	22.94	28.74
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.75	14.03	16.90	30.00	17.40	36.00
5745MHz	Pass	2.58	3.37	26.62	27.18	29.92	30.00	30.55	36.00
5785MHz	Pass	2.58	3.37	26.58	26.99	29.80	30.00	30.36	36.00
5825MHz	Pass	2.58	3.37	26.69	27.04	29.88	30.00	30.41	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	20.43	20.10	23.28	30.00	23.47	36.00
5230MHz	Pass	2.58	3.37	25.19	24.91	28.06	30.00	28.28	36.00
5270MHz	Pass	2.58	3.37	20.76	20.49	23.64	23.98	23.86	30.00
5310MHz	Pass	2.58	3.37	20.57	20.32	23.46	23.98	23.69	30.00
5510MHz	Pass	2.58	3.37	19.29	19.01	22.16	23.98	22.38	30.00
5550MHz	Pass	2.58	3.37	20.59	20.60	23.61	23.98	23.97	30.00
5670MHz	Pass	2.58	3.37	21.06	20.71	23.90	23.98	24.08	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	21.05	20.61	23.85	23.98	23.98	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.03	10.35	13.20	30.00	13.72	36.00
5755MHz	Pass	2.58	3.37	25.82	25.67	28.76	30.00	29.04	36.00
5795MHz	Pass	2.58	3.37	26.83	26.75	29.80	30.00	30.12	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	23.43	23.48	26.47	30.00	26.85	36.00
5200MHz	Pass	2.58	3.37	26.57	26.65	29.62	30.00	30.02	36.00
5240MHz	Pass	2.58	3.37	26.53	26.58	29.57	30.00	29.95	36.00
5260MHz	Pass	2.58	3.37	20.75	20.41	23.59	23.98	23.78	30.00
5300MHz	Pass	2.58	3.37	20.61	20.44	23.54	23.98	23.81	30.00
5320MHz	Pass	2.58	3.37	20.92	20.66	23.80	23.98	24.03	30.00
5500MHz	Pass	2.58	3.37	20.87	21.00	23.95	23.98	24.37	30.00
5580MHz	Pass	2.58	3.37	20.61	20.78	23.71	23.98	24.15	30.00
5700MHz	Pass	2.58	3.37	20.04	20.04	23.05	23.98	23.41	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.86	19.50	22.69	22.87	22.87	28.87
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.95	13.96	16.97	30.00	17.33	36.00
5745MHz	Pass	2.58	3.37	26.73	27.18	29.97	30.00	30.55	36.00



Average Power Indoor

Appendix C.1

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5785MHz	Pass	2.58	3.37	26.69	27.07	29.89	30.00	30.44	36.00
5825MHz	Pass	2.58	3.37	26.63	26.91	29.78	30.00	30.28	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	20.13	19.69	22.93	30.00	23.06	36.00
5230MHz	Pass	2.58	3.37	25.17	24.93	28.06	30.00	28.30	36.00
5270MHz	Pass	2.58	3.37	20.55	20.48	23.53	23.98	23.85	30.00
5310MHz	Pass	2.58	3.37	21.08	20.76	23.93	23.98	24.13	30.00
5510MHz	Pass	2.58	3.37	20.65	20.29	23.48	23.98	23.66	30.00
5550MHz	Pass	2.58	3.37	20.82	20.64	23.74	23.98	24.01	30.00
5670MHz	Pass	2.58	3.37	20.83	20.65	23.75	23.98	24.02	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.94	20.42	23.70	23.98	23.79	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.10	10.23	13.18	30.00	13.60	36.00
5755MHz	Pass	2.58	3.37	25.60	25.69	28.66	30.00	29.06	36.00
5795MHz	Pass	2.58	3.37	26.69	26.69	29.70	30.00	30.06	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	19.42	19.63	22.54	30.00	23.00	36.00
5290MHz	Pass	2.58	3.37	21.08	20.64	23.88	23.98	24.01	30.00
5530MHz	Pass	2.58	3.37	19.30	19.23	22.28	23.98	22.60	30.00
5610MHz	Pass	2.58	3.37	20.51	20.55	23.54	23.98	23.92	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.76	20.77	23.78	23.98	24.14	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.78	7.11	9.51	30.00	10.48	36.00
5775MHz	Pass	2.58	3.37	22.23	22.14	25.20	30.00	25.51	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	23.18	23.12	26.16	30.00	26.49	36.00
5200MHz	Pass	2.58	3.37	26.66	26.64	29.66	30.00	30.01	36.00
5240MHz	Pass	2.58	3.37	26.68	26.79	29.75	30.00	30.16	36.00
5260MHz	Pass	2.58	3.37	20.91	20.68	23.81	23.98	24.05	30.00
5300MHz	Pass	2.58	3.37	21.02	20.75	23.90	23.98	24.12	30.00
5320MHz	Pass	2.58	3.37	20.94	20.72	23.84	23.98	24.09	30.00
5500MHz	Pass	2.58	3.37	20.84	20.96	23.91	23.98	24.33	30.00
5580MHz	Pass	2.58	3.37	20.76	20.78	23.78	23.98	24.15	30.00
5700MHz	Pass	2.58	3.37	18.20	18.16	21.19	23.98	21.53	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.32	19.07	22.21	22.83	22.44	28.83
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	14.53	14.61	17.58	30.00	17.98	36.00
5745MHz	Pass	2.58	3.37	26.61	26.97	29.80	30.00	30.34	36.00
5785MHz	Pass	2.58	3.37	26.74	27.02	29.89	30.00	30.39	36.00
5825MHz	Pass	2.58	3.37	26.76	26.87	29.83	30.00	30.24	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	20.32	19.97	23.16	30.00	23.34	36.00
5230MHz	Pass	2.58	3.37	25.18	24.86	28.03	30.00	28.23	36.00
5270MHz	Pass	2.58	3.37	20.79	20.73	23.77	23.98	24.10	30.00
5310MHz	Pass	2.58	3.37	20.93	20.86	23.91	23.98	24.23	30.00
5510MHz	Pass	2.58	3.37	20.10	19.89	23.01	23.98	23.26	30.00
5550MHz	Pass	2.58	3.37	20.87	20.95	23.92	23.98	24.32	30.00
5670MHz	Pass	2.58	3.37	20.85	20.71	23.79	23.98	24.08	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.88	20.63	23.77	23.98	24.00	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.98	11.18	14.09	30.00	14.55	36.00
5755MHz	Pass	2.58	3.37	26.17	26.21	29.20	30.00	29.58	36.00
5795MHz	Pass	2.58	3.37	26.83	26.95	29.90	30.00	30.32	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	19.71	19.90	22.82	30.00	23.27	36.00
5290MHz	Pass	2.58	3.37	20.86	20.74	23.81	23.98	24.11	30.00
5530MHz	Pass	2.58	3.37	20.07	20.09	23.09	23.98	23.46	30.00
5610MHz	Pass	2.58	3.37	20.67	20.70	23.70	23.98	24.07	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.78	21.03	23.92	23.98	24.40	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	6.76	8.24	10.57	30.00	11.61	36.00

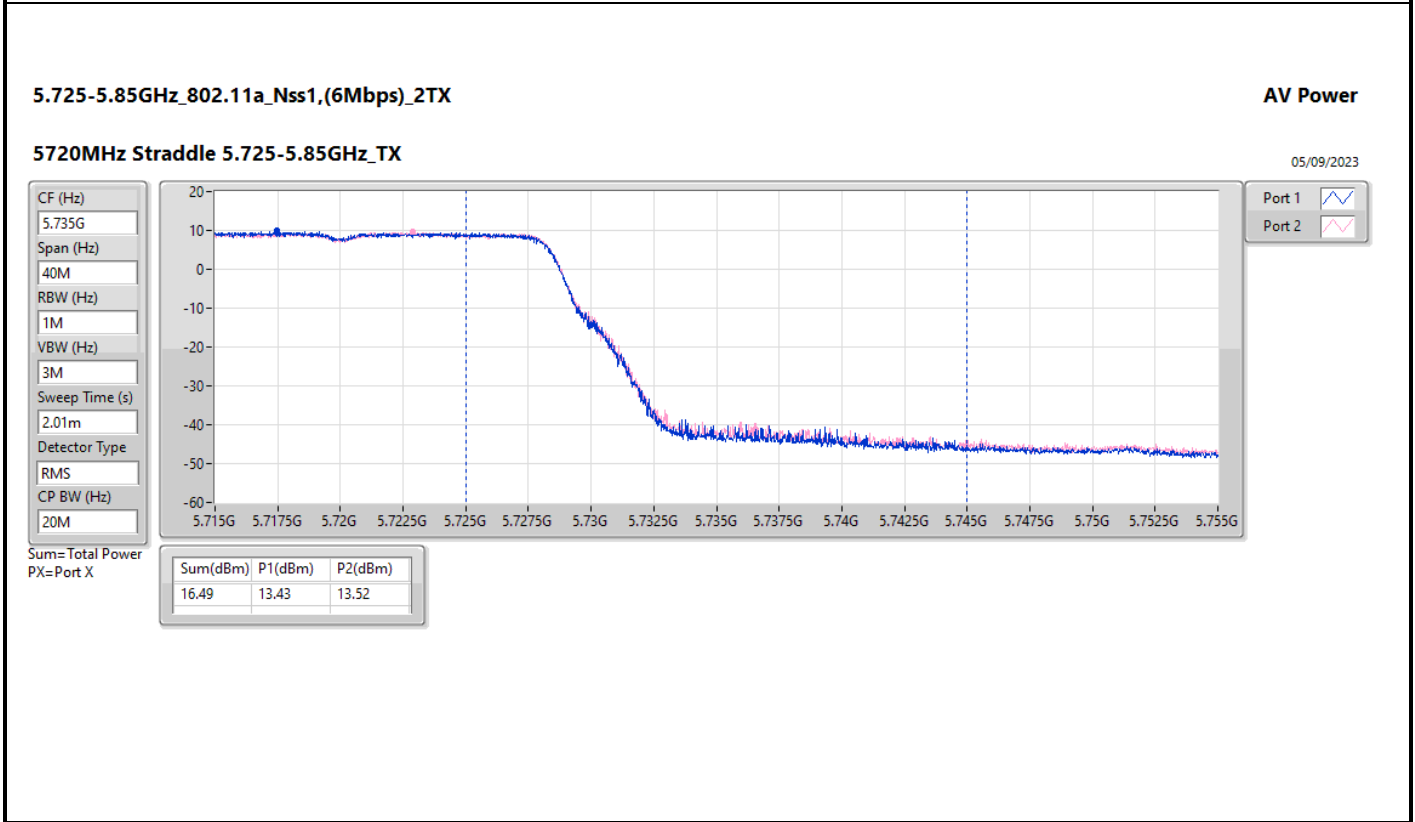
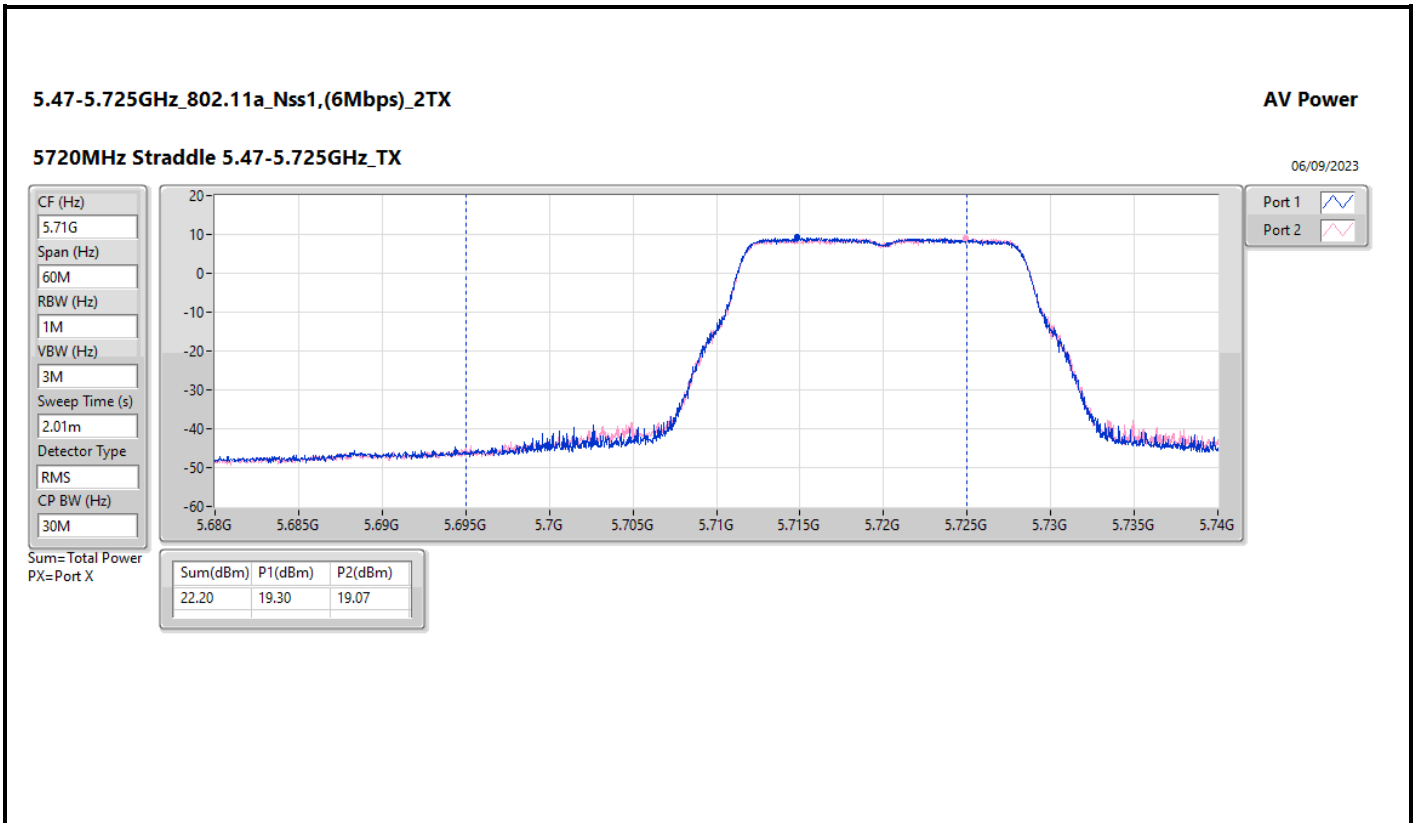


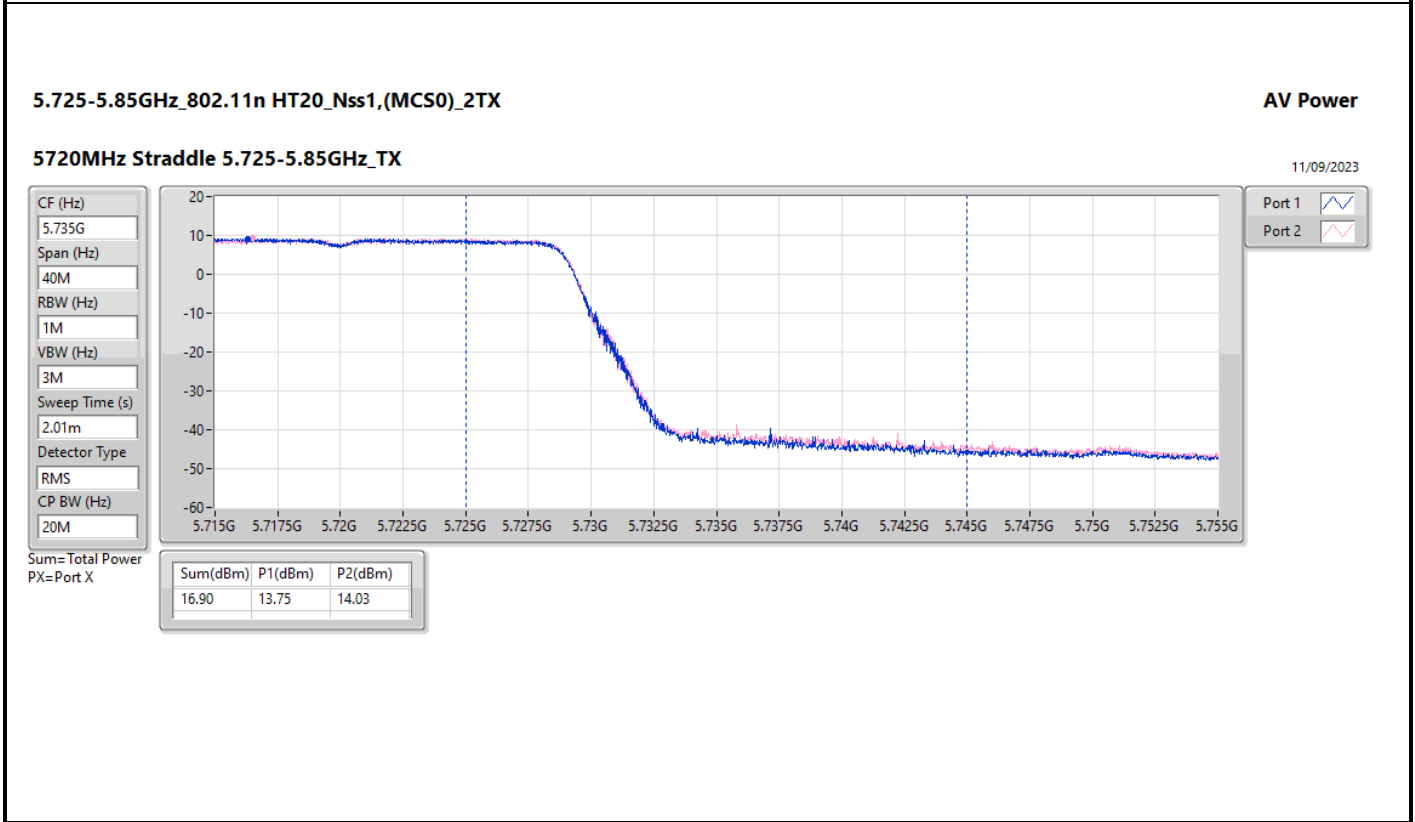
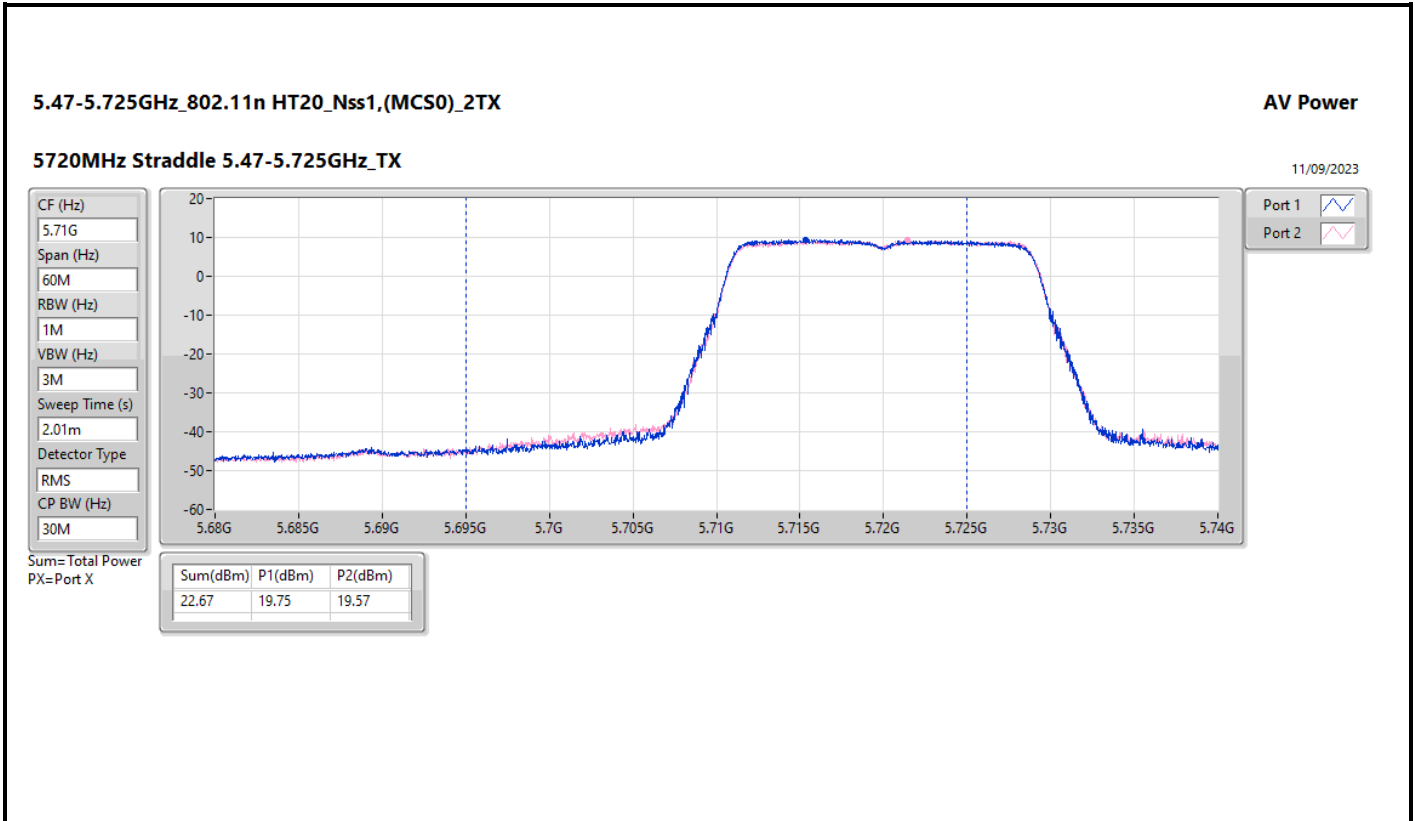
Average Power_Indoor

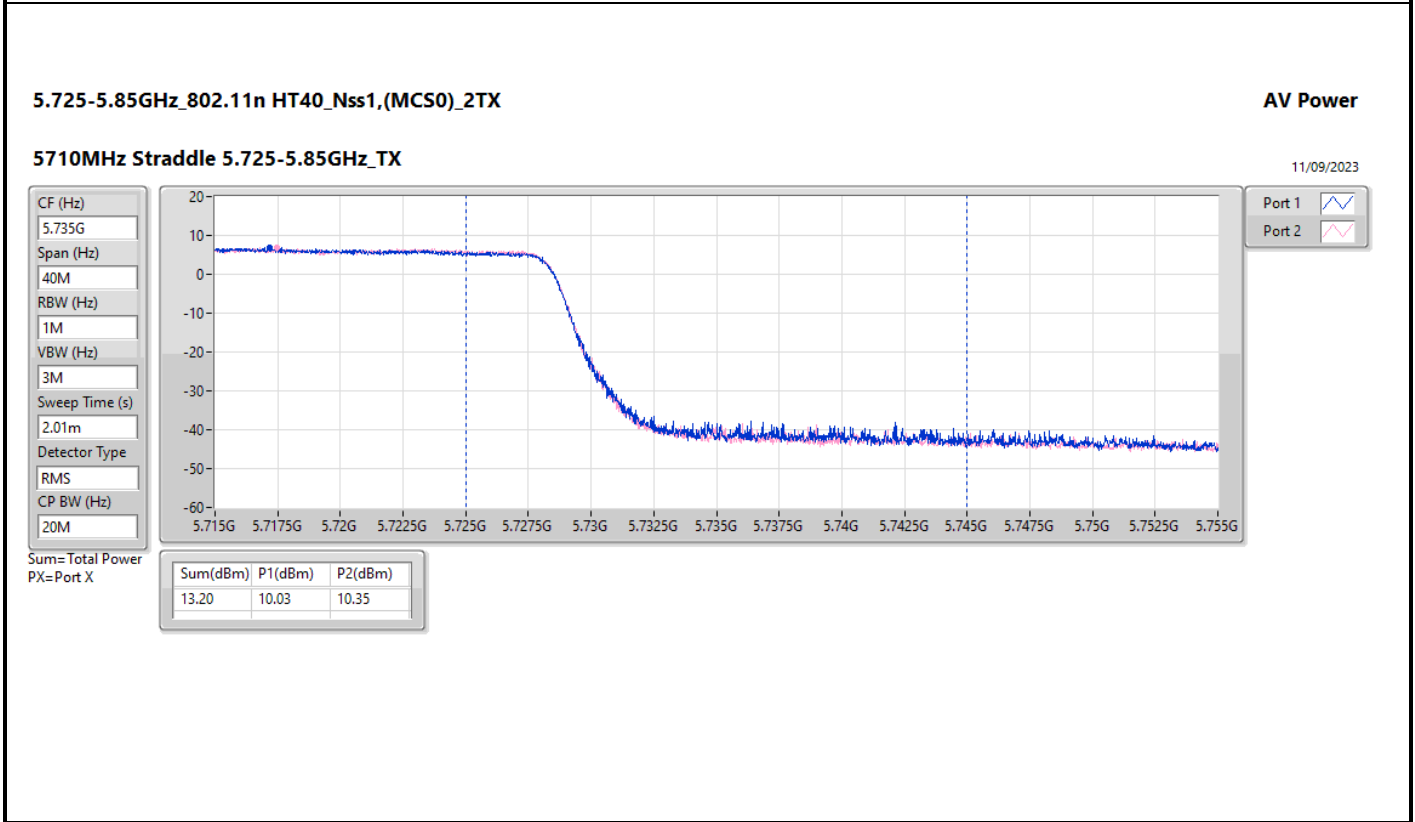
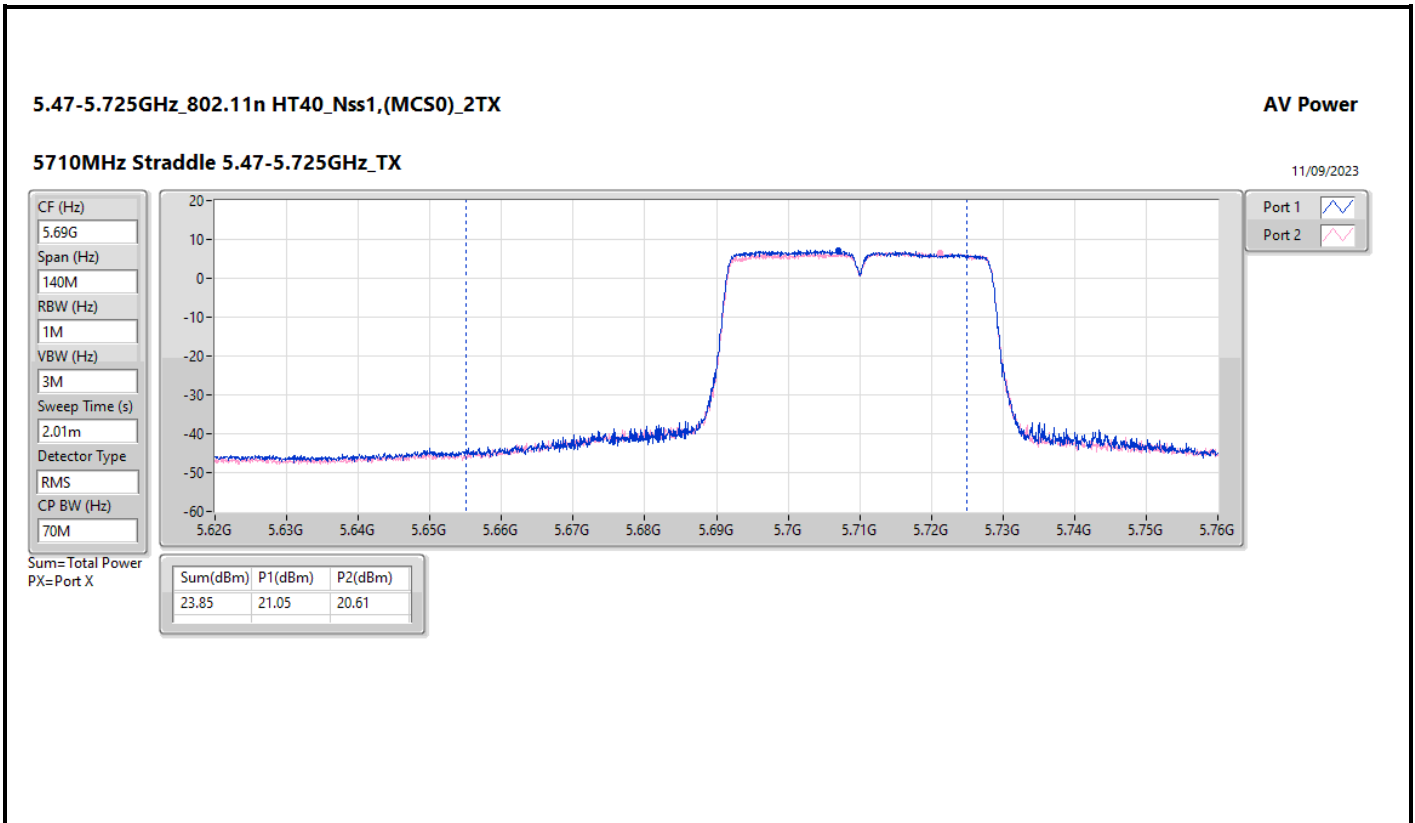
Appendix C.1

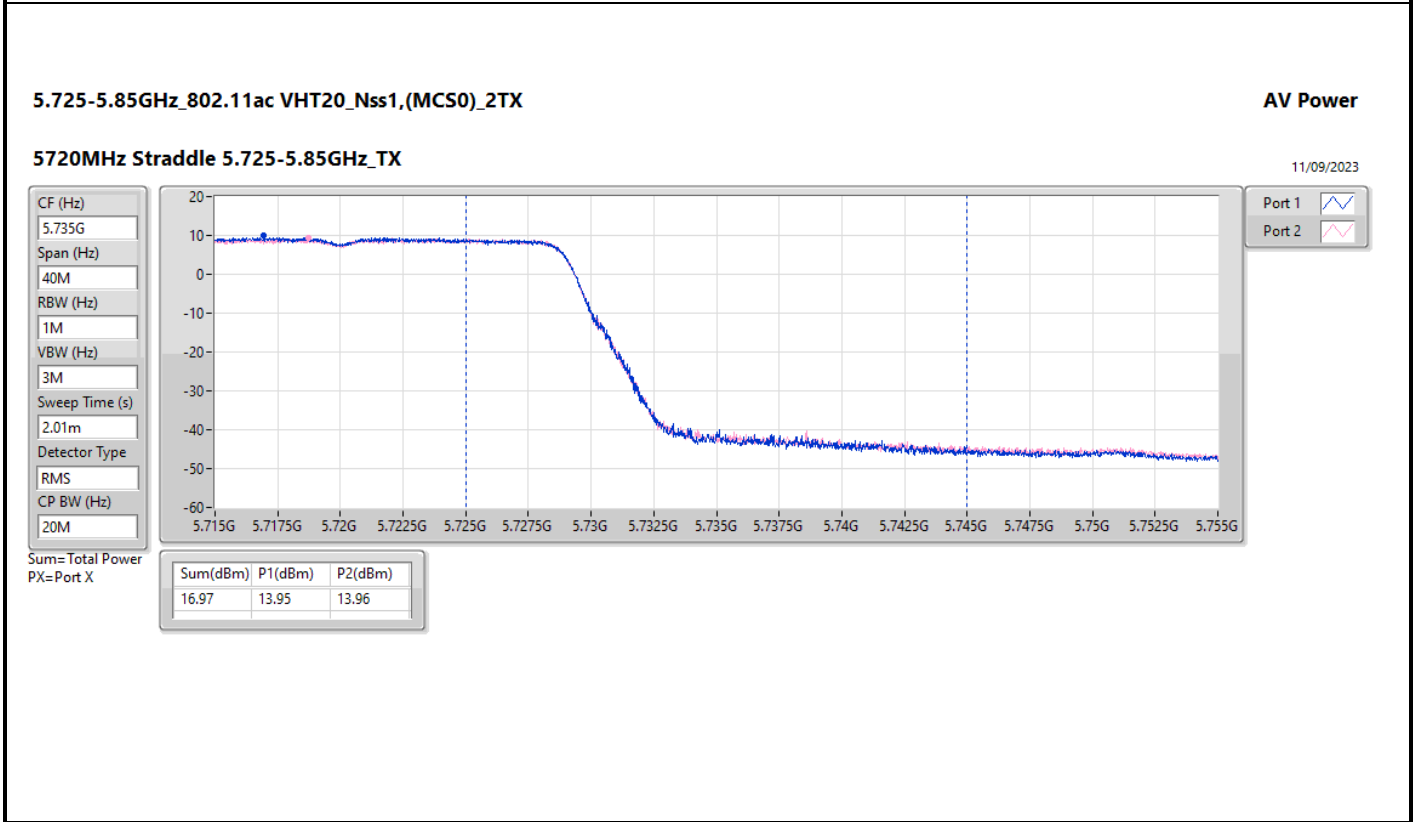
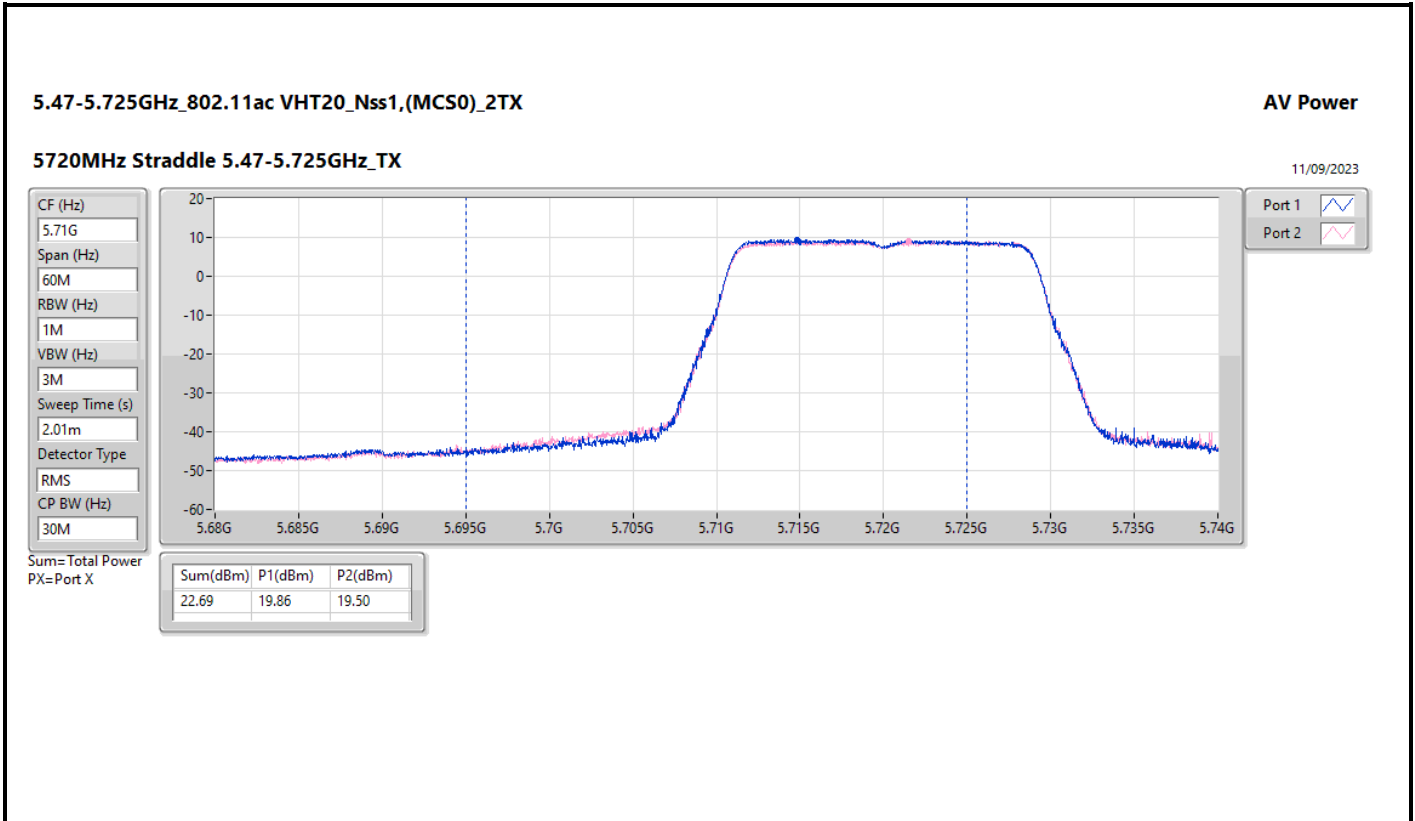
Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5775MHz	Pass	2.58	3.37	22.20	22.05	25.14	30.00	25.42	36.00

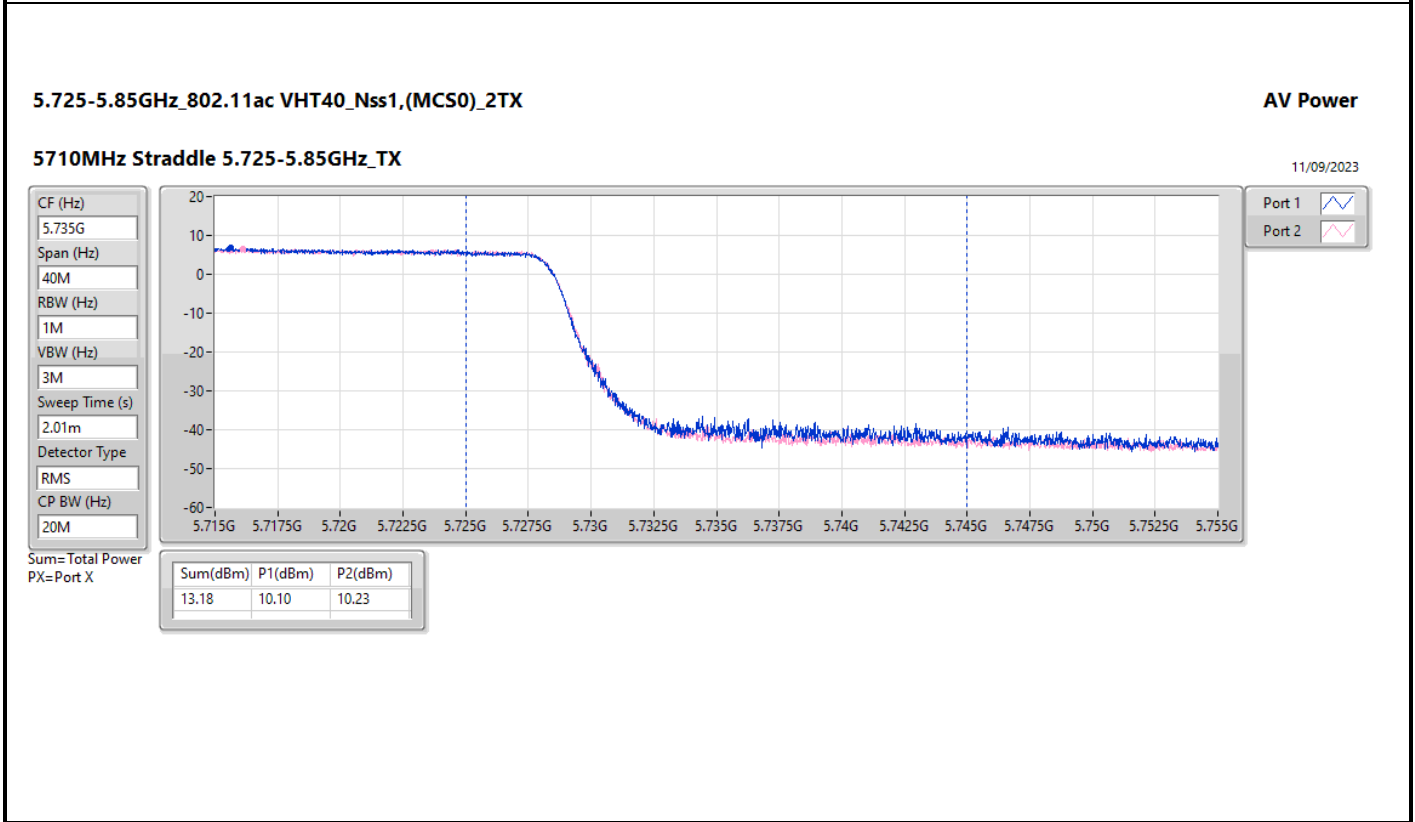
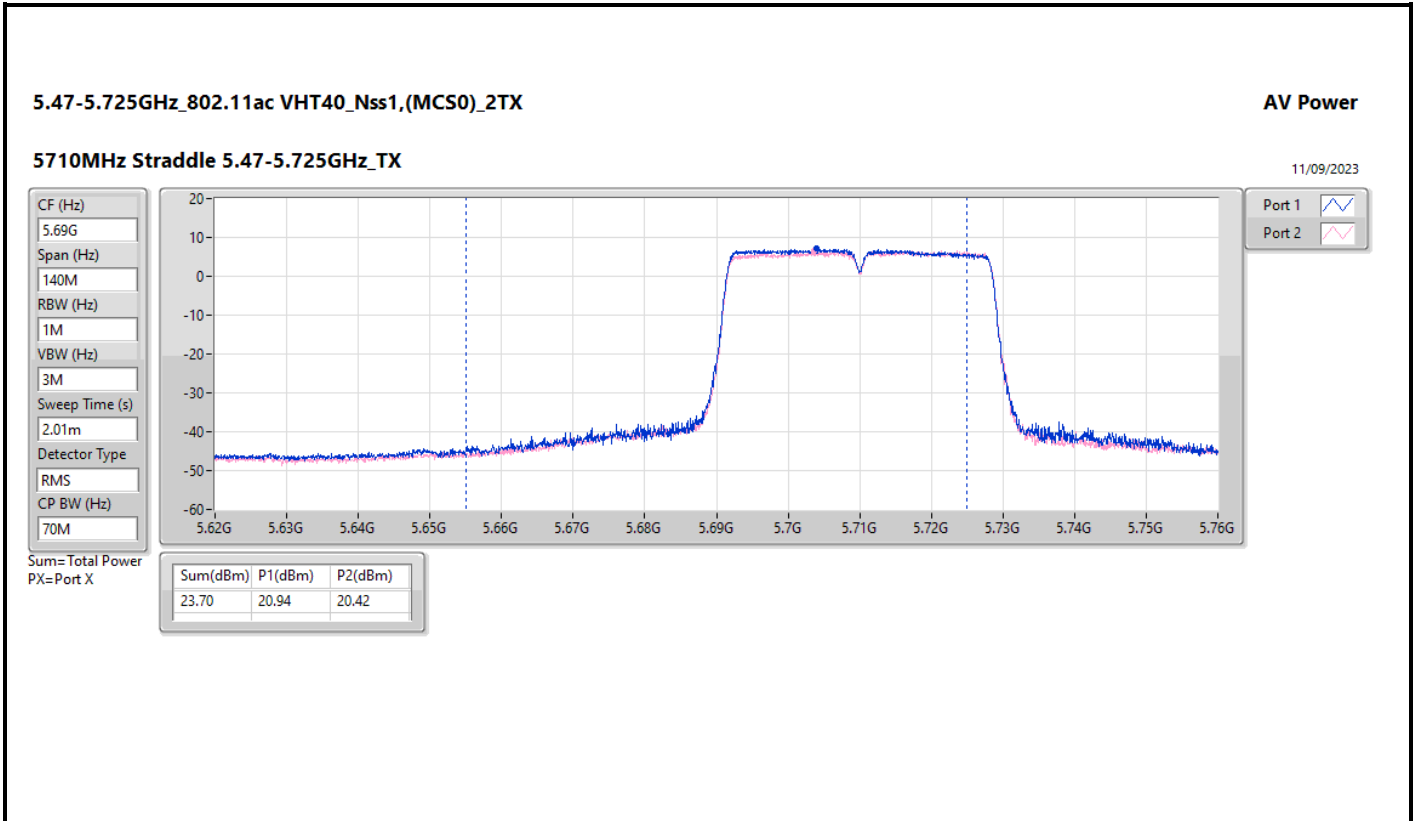
DG = Directional Gain; Port X = Port X output power

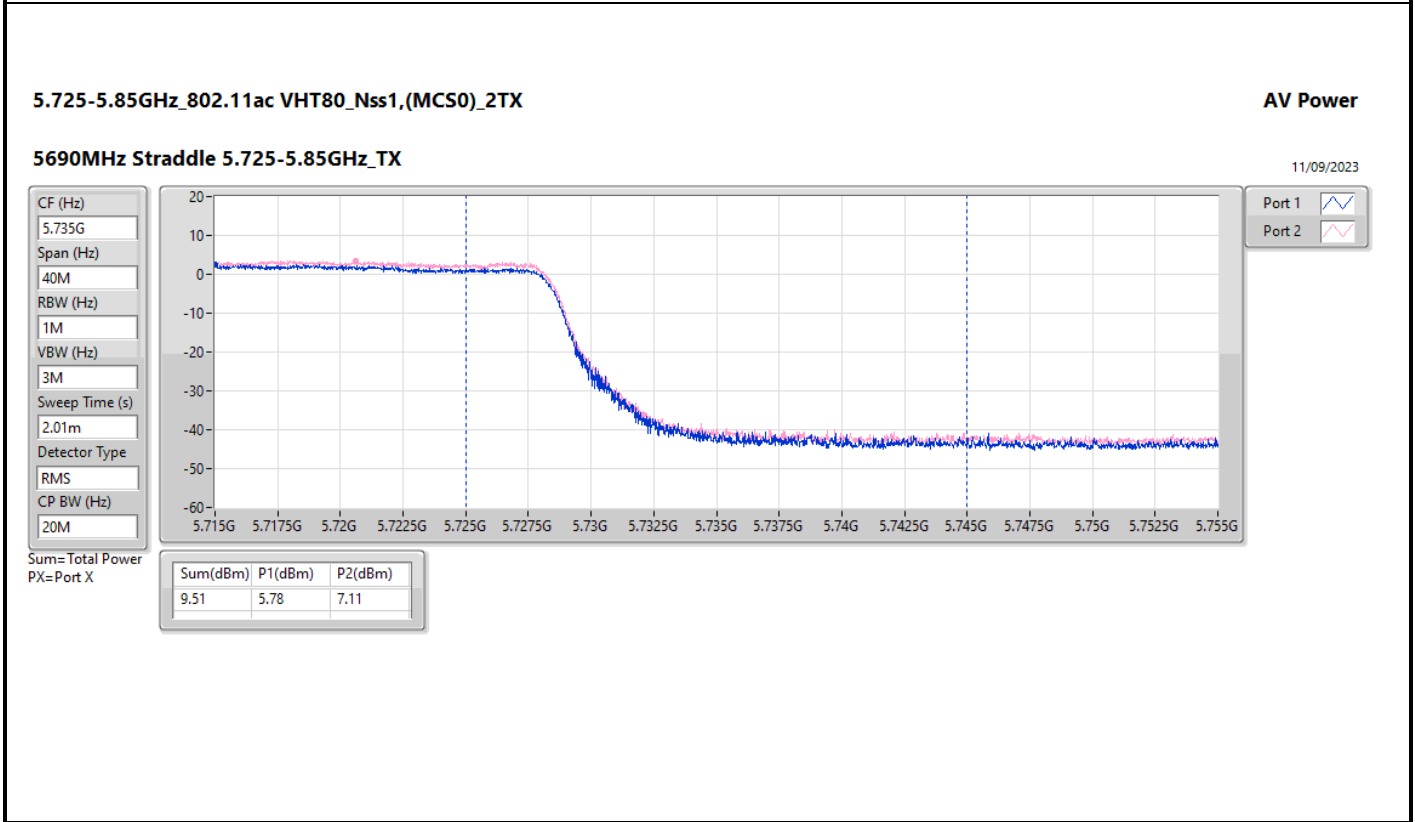
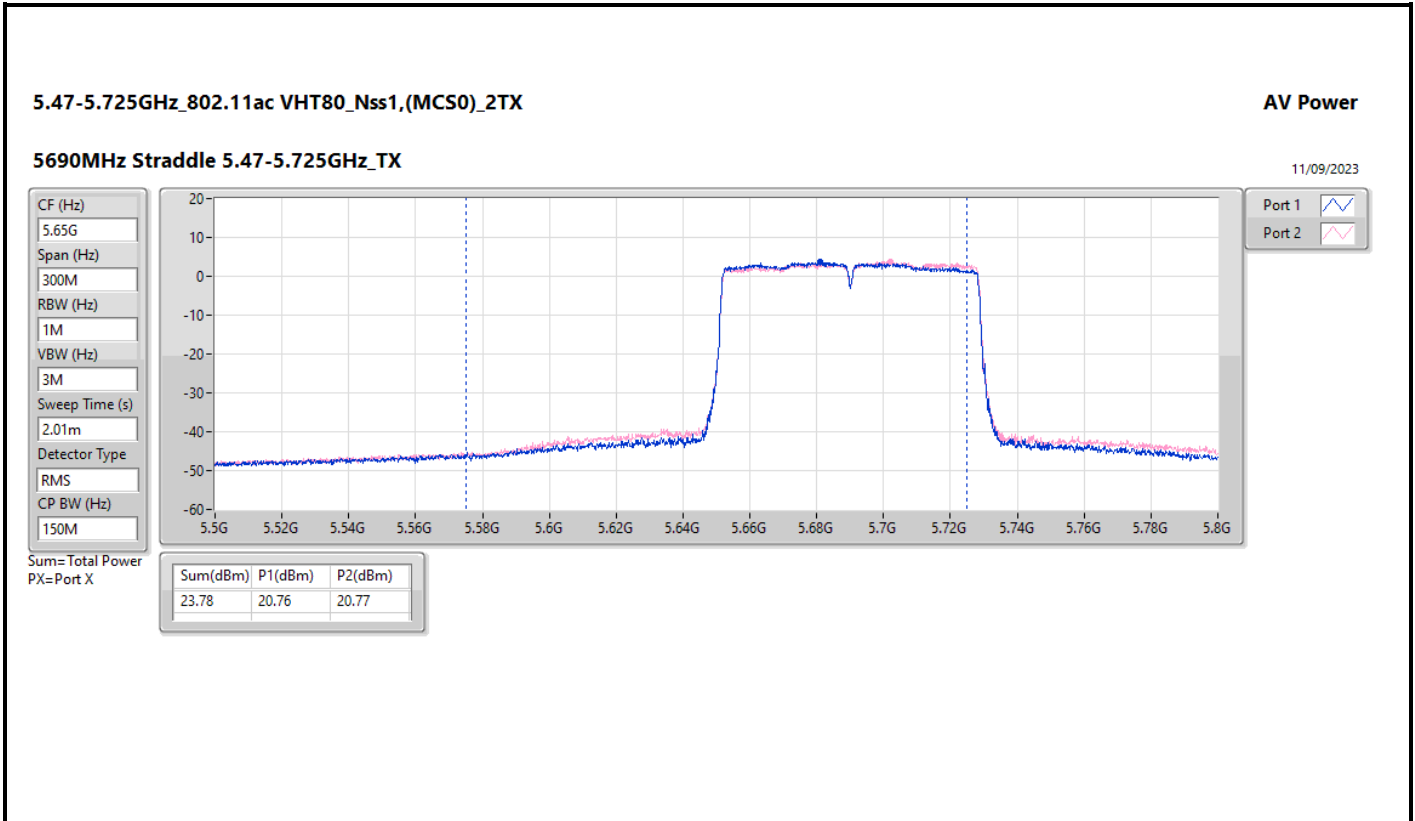


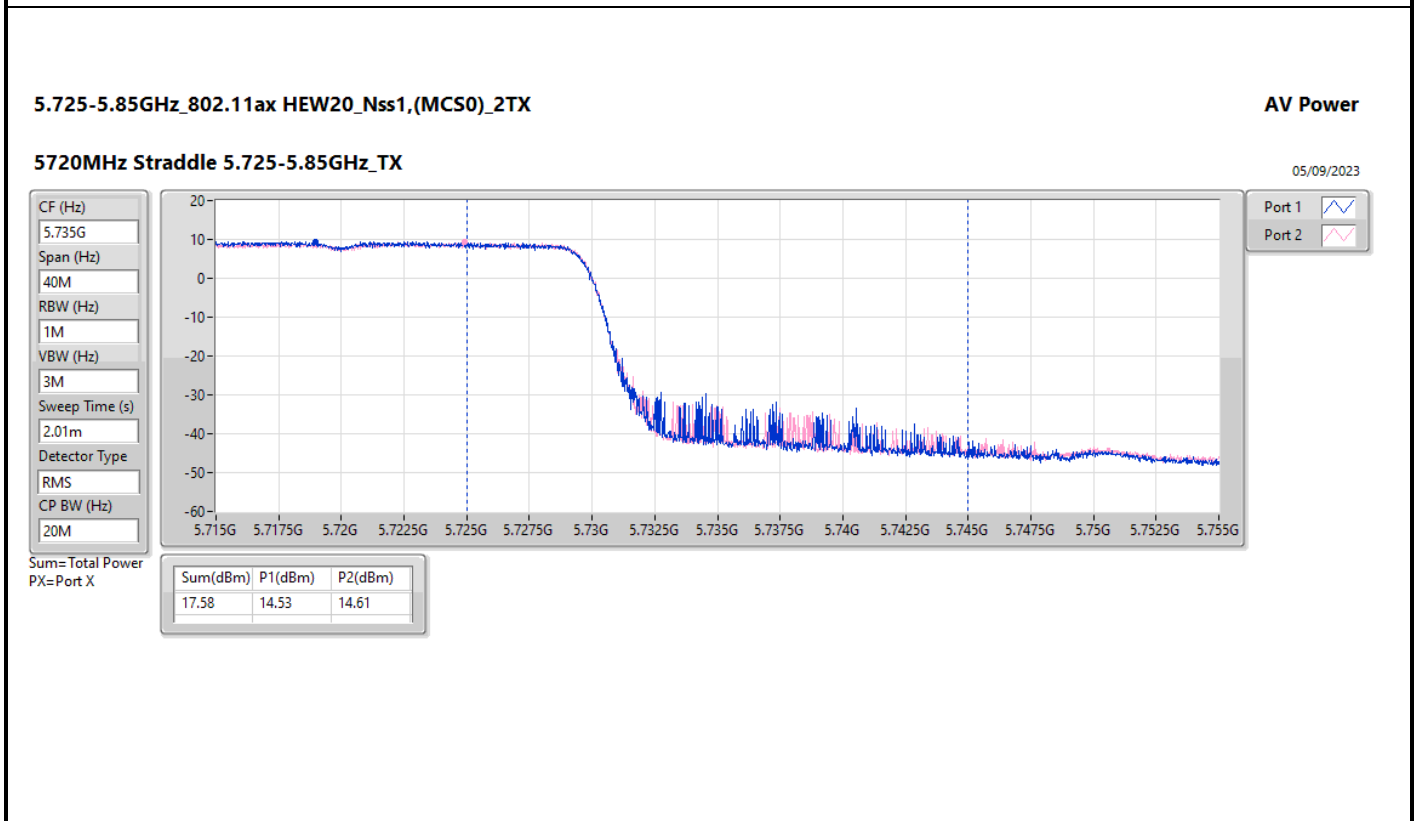
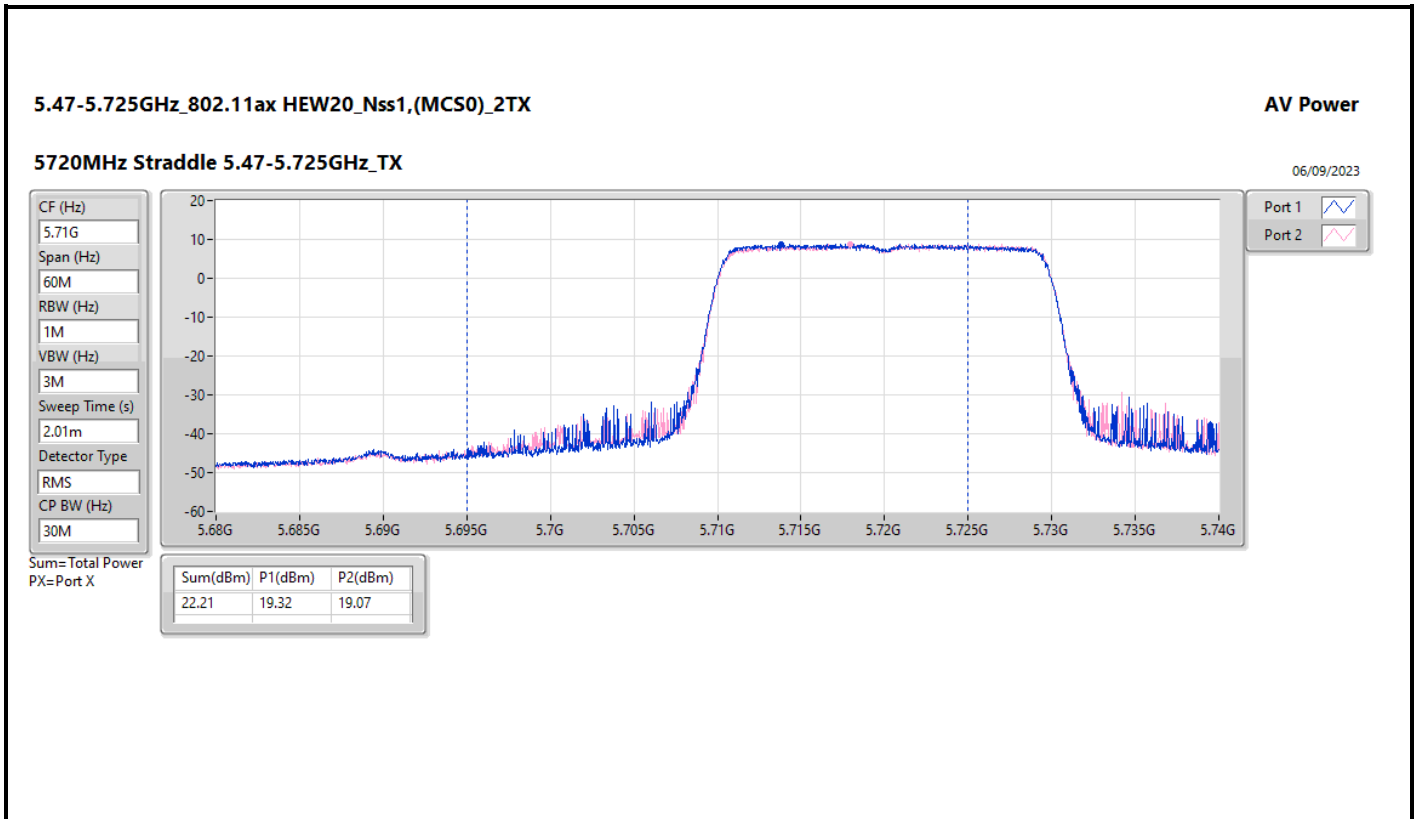


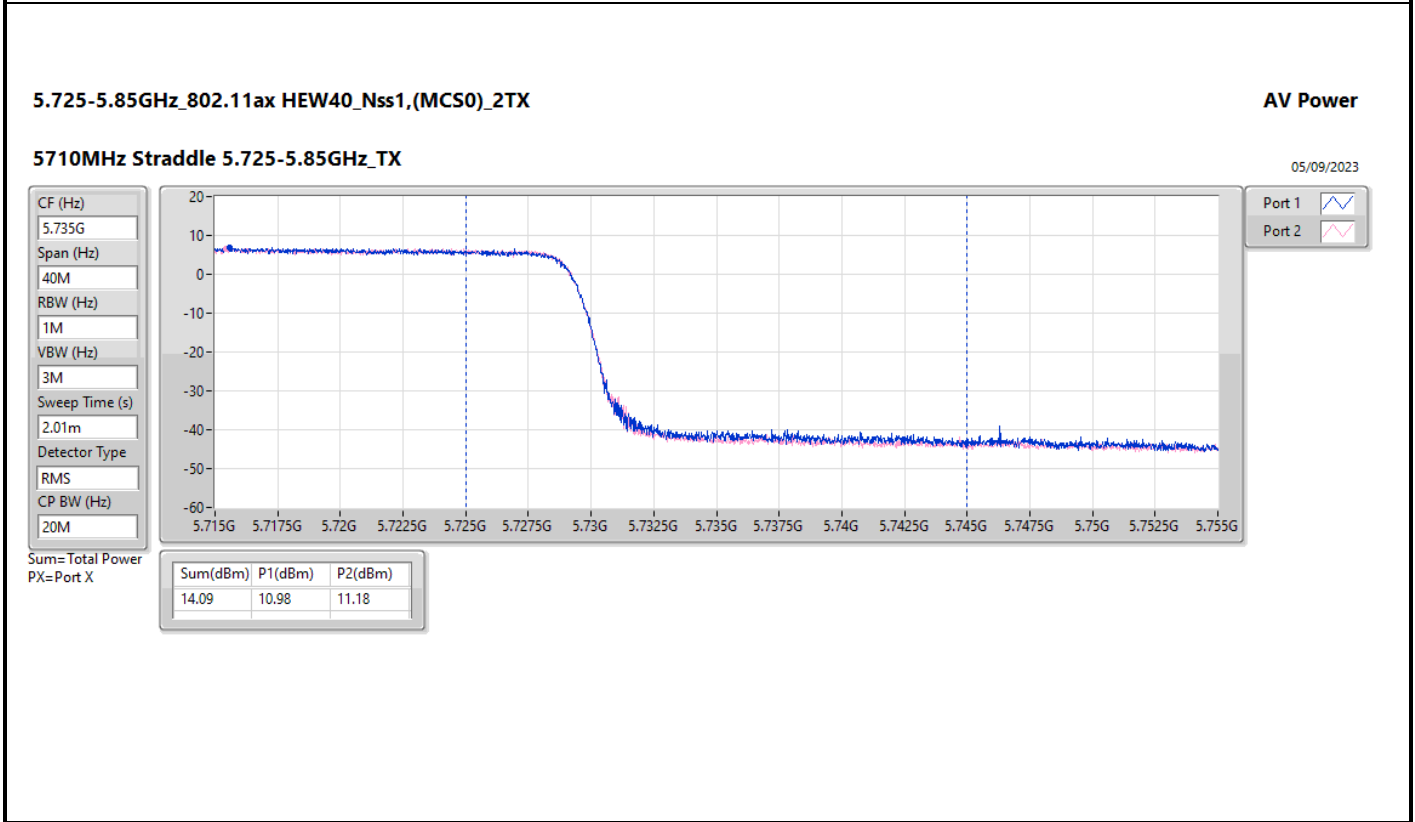
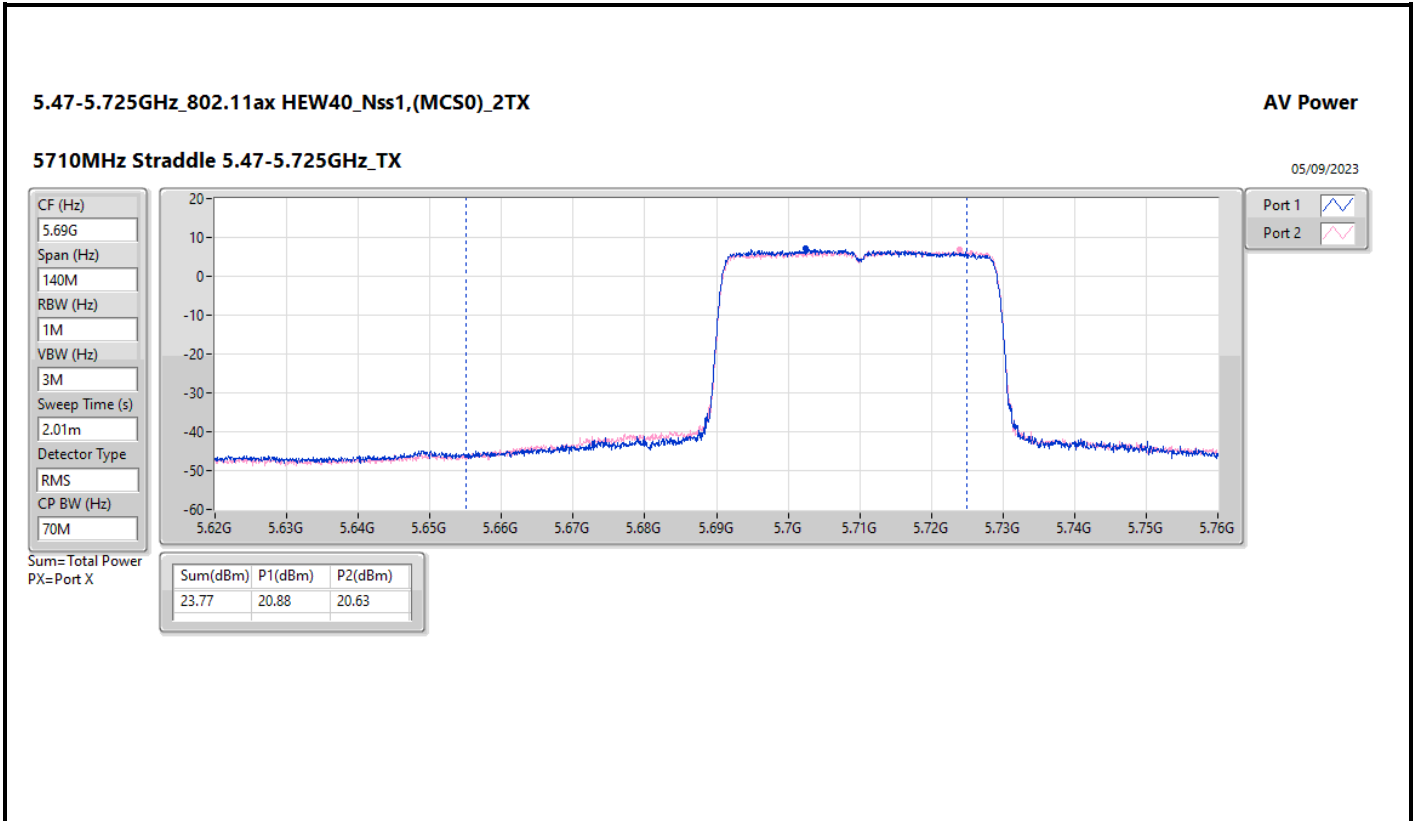


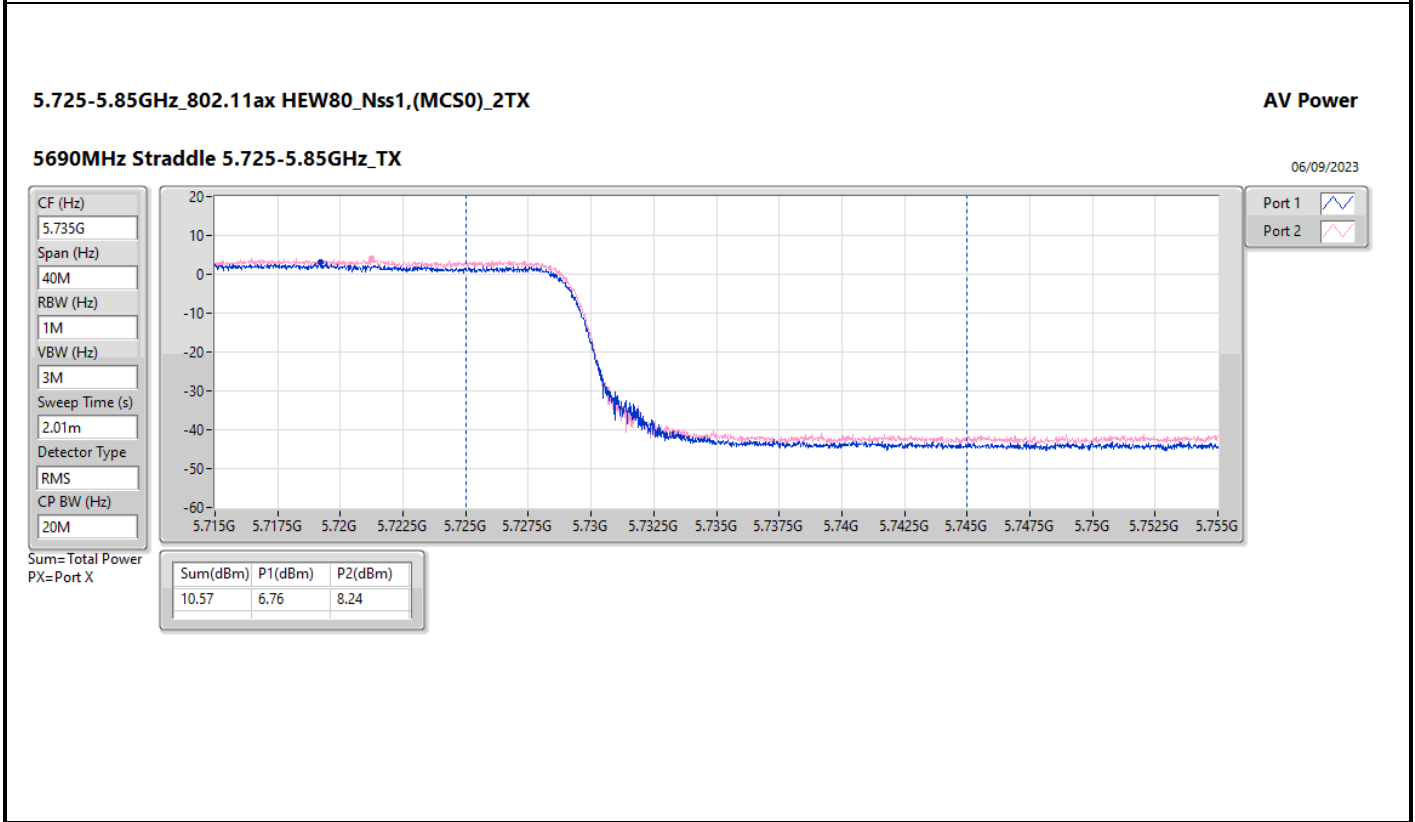
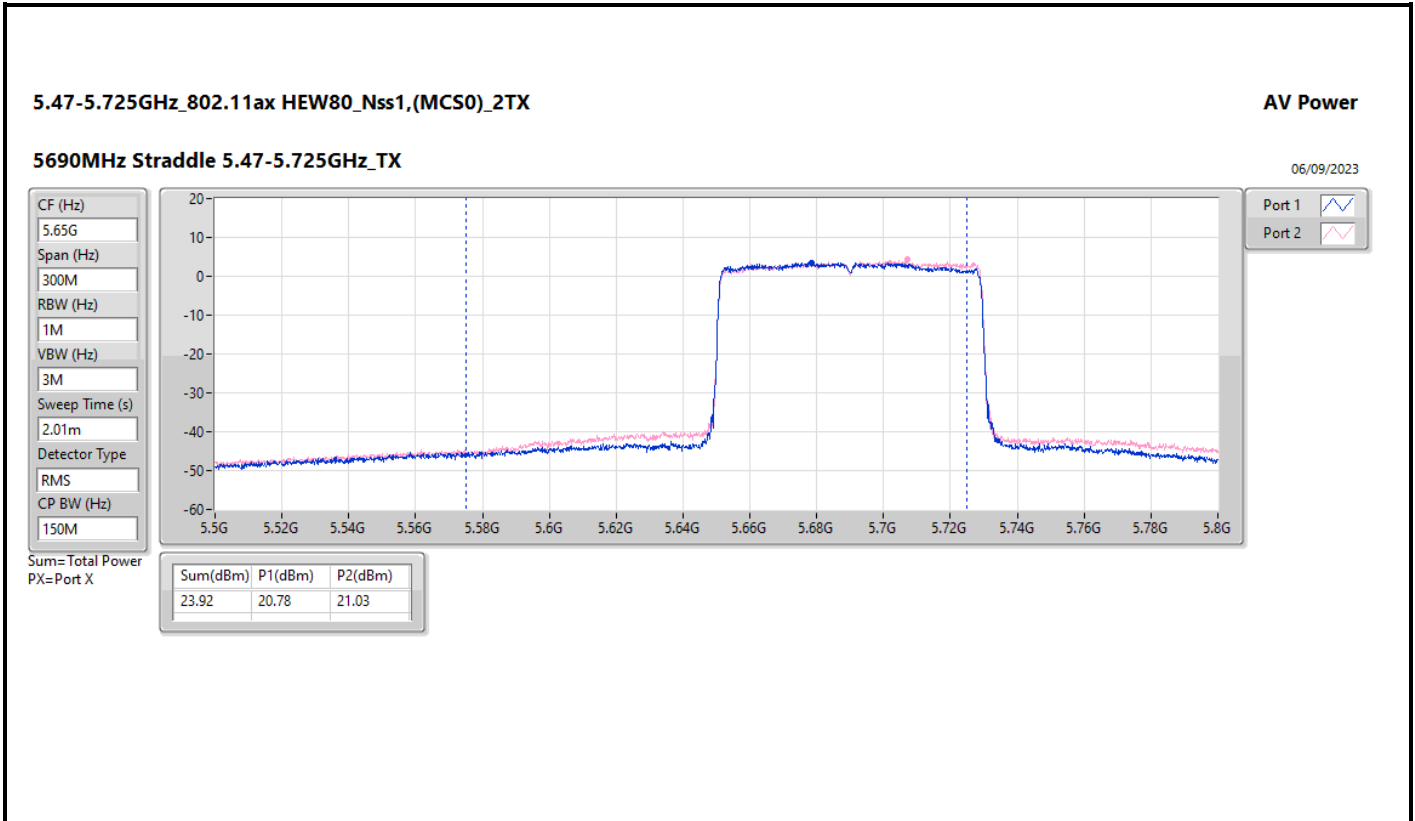














Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.94	0.12417	21.27	0.13397
802.11n HT20_Nss1,(MCS0)_2TX	20.93	0.12388	21.20	0.13183
802.11n HT40_Nss1,(MCS0)_2TX	20.80	0.12023	20.97	0.12503
802.11ac VHT20_Nss1,(MCS0)_2TX	21.01	0.12618	21.32	0.13552
802.11ac VHT40_Nss1,(MCS0)_2TX	20.63	0.11561	20.63	0.11561
802.11ac VHT80_Nss1,(MCS0)_2TX	20.90	0.12303	21.30	0.1349
802.11ax HEW20_Nss1,(MCS0)_2TX	20.95	0.12445	21.23	0.13274
802.11ax HEW40_Nss1,(MCS0)_2TX	20.71	0.11776	20.69	0.11722
802.11ax HEW80_Nss1,(MCS0)_2TX	20.74	0.11858	21.02	0.12647
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.77	0.23823	24.12	0.25823
802.11n HT20_Nss1,(MCS0)_2TX	23.70	0.23442	23.90	0.24547
802.11n HT40_Nss1,(MCS0)_2TX	23.64	0.23121	23.86	0.24322
802.11ac VHT20_Nss1,(MCS0)_2TX	23.80	0.23988	24.03	0.25293
802.11ac VHT40_Nss1,(MCS0)_2TX	23.93	0.24717	24.13	0.25882
802.11ac VHT80_Nss1,(MCS0)_2TX	23.88	0.24434	24.01	0.25177
802.11ax HEW20_Nss1,(MCS0)_2TX	23.90	0.24547	24.12	0.25823
802.11ax HEW40_Nss1,(MCS0)_2TX	23.91	0.24604	24.23	0.26485
802.11ax HEW80_Nss1,(MCS0)_2TX	23.81	0.24044	24.11	0.25763
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.39	0.21827	23.83	0.24155
802.11n HT20_Nss1,(MCS0)_2TX	23.85	0.24266	24.34	0.27164
802.11n HT40_Nss1,(MCS0)_2TX	23.90	0.24547	24.08	0.25586
802.11ac VHT20_Nss1,(MCS0)_2TX	23.95	0.24831	24.37	0.27353
802.11ac VHT40_Nss1,(MCS0)_2TX	23.75	0.23714	24.02	0.25235
802.11ac VHT80_Nss1,(MCS0)_2TX	23.78	0.23878	24.14	0.25942
802.11ax HEW20_Nss1,(MCS0)_2TX	23.91	0.24604	24.33	0.27102
802.11ax HEW40_Nss1,(MCS0)_2TX	23.92	0.24660	24.32	0.2704
802.11ax HEW80_Nss1,(MCS0)_2TX	23.92	0.24660	24.40	0.27542
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	29.99	0.99770	30.57	1.14025
802.11n HT20_Nss1,(MCS0)_2TX	29.92	0.98175	30.55	1.13501
802.11n HT40_Nss1,(MCS0)_2TX	29.80	0.95499	30.12	1.02802
802.11ac VHT20_Nss1,(MCS0)_2TX	29.97	0.99312	30.55	1.13501
802.11ac VHT40_Nss1,(MCS0)_2TX	29.70	0.93325	30.06	1.01391
802.11ac VHT80_Nss1,(MCS0)_2TX	25.20	0.33113	25.51	0.35563
802.11ax HEW20_Nss1,(MCS0)_2TX	29.89	0.97499	30.39	1.09396
802.11ax HEW40_Nss1,(MCS0)_2TX	29.90	0.97724	30.32	1.07647
802.11ax HEW80_Nss1,(MCS0)_2TX	25.14	0.32659	25.42	0.34834



Result

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	17.96	17.90	20.94	30.00	21.27	36.00
5200MHz	Pass	2.58	3.37	18.00	17.78	20.90	30.00	21.15	36.00
5240MHz	Pass	2.58	3.37	17.82	17.86	20.85	30.00	21.23	36.00
5260MHz	Pass	2.58	3.37	20.66	20.51	23.60	23.98	23.88	30.00
5300MHz	Pass	2.58	3.37	20.44	20.46	23.46	23.98	23.83	30.00
5320MHz	Pass	2.58	3.37	20.76	20.75	23.77	23.98	24.12	30.00
5500MHz	Pass	2.58	3.37	20.29	20.46	23.39	23.98	23.83	30.00
5580MHz	Pass	2.58	3.37	20.18	20.27	23.24	23.98	23.64	30.00
5700MHz	Pass	2.58	3.37	20.24	20.19	23.23	23.98	23.56	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.30	19.07	22.20	22.80	22.44	28.80
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.43	13.52	16.49	30.00	16.89	36.00
5745MHz	Pass	2.58	3.37	26.75	27.20	29.99	30.00	30.57	36.00
5785MHz	Pass	2.58	3.37	26.61	27.00	29.82	30.00	30.37	36.00
5825MHz	Pass	2.58	3.37	26.66	26.88	29.78	30.00	30.25	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	18.00	17.83	20.93	30.00	21.20	36.00
5200MHz	Pass	2.58	3.37	17.77	17.83	20.81	30.00	21.20	36.00
5240MHz	Pass	2.58	3.37	17.87	17.83	20.86	30.00	21.20	36.00
5260MHz	Pass	2.58	3.37	20.75	20.58	23.68	23.98	23.95	30.00
5300MHz	Pass	2.58	3.37	20.82	20.54	23.69	23.98	23.91	30.00
5320MHz	Pass	2.58	3.37	20.85	20.53	23.70	23.98	23.90	30.00
5500MHz	Pass	2.58	3.37	20.83	20.67	23.76	23.98	24.04	30.00
5580MHz	Pass	2.58	3.37	20.70	20.97	23.85	23.98	24.34	30.00
5700MHz	Pass	2.58	3.37	20.23	20.20	23.23	23.98	23.57	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.75	19.57	22.67	22.74	22.94	28.74
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.75	14.03	16.90	30.00	17.40	36.00
5745MHz	Pass	2.58	3.37	26.62	27.18	29.92	30.00	30.55	36.00
5785MHz	Pass	2.58	3.37	26.58	26.99	29.80	30.00	30.36	36.00
5825MHz	Pass	2.58	3.37	26.69	27.04	29.88	30.00	30.41	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	17.98	17.60	20.80	30.00	20.97	36.00
5230MHz	Pass	2.58	3.37	18.02	17.29	20.68	30.00	20.66	36.00
5270MHz	Pass	2.58	3.37	20.76	20.49	23.64	23.98	23.86	30.00
5310MHz	Pass	2.58	3.37	20.57	20.32	23.46	23.98	23.69	30.00
5510MHz	Pass	2.58	3.37	19.29	19.01	22.16	23.98	22.38	30.00
5550MHz	Pass	2.58	3.37	20.59	20.60	23.61	23.98	23.97	30.00
5670MHz	Pass	2.58	3.37	21.06	20.71	23.90	23.98	24.08	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	21.05	20.61	23.85	23.98	23.98	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.03	10.35	13.20	30.00	13.72	36.00
5755MHz	Pass	2.58	3.37	25.82	25.67	28.76	30.00	29.04	36.00
5795MHz	Pass	2.58	3.37	26.83	26.75	29.80	30.00	30.12	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	17.99	17.87	20.94	30.00	21.24	36.00
5200MHz	Pass	2.58	3.37	18.05	17.95	21.01	30.00	21.32	36.00
5240MHz	Pass	2.58	3.37	17.93	17.91	20.93	30.00	21.28	36.00
5260MHz	Pass	2.58	3.37	20.75	20.41	23.59	23.98	23.78	30.00
5300MHz	Pass	2.58	3.37	20.61	20.44	23.54	23.98	23.81	30.00
5320MHz	Pass	2.58	3.37	20.92	20.66	23.80	23.98	24.03	30.00
5500MHz	Pass	2.58	3.37	20.87	21.00	23.95	23.98	24.37	30.00
5580MHz	Pass	2.58	3.37	20.61	20.78	23.71	23.98	24.15	30.00
5700MHz	Pass	2.58	3.37	20.04	20.04	23.05	23.98	23.41	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.86	19.50	22.69	22.87	22.87	28.87
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	13.95	13.96	16.97	30.00	17.33	36.00
5745MHz	Pass	2.58	3.37	26.73	27.18	29.97	30.00	30.55	36.00



Average Power_Outdoor

Appendix C.2

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5785MHz	Pass	2.58	3.37	26.69	27.07	29.89	30.00	30.44	36.00
5825MHz	Pass	2.58	3.37	26.63	26.91	29.78	30.00	30.28	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	17.96	17.26	20.63	30.00	20.63	36.00
5230MHz	Pass	2.58	3.37	17.82	17.28	20.57	30.00	20.65	36.00
5270MHz	Pass	2.58	3.37	20.55	20.48	23.53	23.98	23.85	30.00
5310MHz	Pass	2.58	3.37	21.08	20.76	23.93	23.98	24.13	30.00
5510MHz	Pass	2.58	3.37	20.65	20.29	23.48	23.98	23.66	30.00
5550MHz	Pass	2.58	3.37	20.82	20.64	23.74	23.98	24.01	30.00
5670MHz	Pass	2.58	3.37	20.83	20.65	23.75	23.98	24.02	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.94	20.42	23.70	23.98	23.79	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.10	10.23	13.18	30.00	13.60	36.00
5755MHz	Pass	2.58	3.37	25.60	25.69	28.66	30.00	29.06	36.00
5795MHz	Pass	2.58	3.37	26.69	26.69	29.70	30.00	30.06	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	17.84	17.93	20.90	30.00	21.30	36.00
5290MHz	Pass	2.58	3.37	21.08	20.64	23.88	23.98	24.01	30.00
5530MHz	Pass	2.58	3.37	19.30	19.23	22.28	23.98	22.60	30.00
5610MHz	Pass	2.58	3.37	20.51	20.55	23.54	23.98	23.92	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.76	20.77	23.78	23.98	24.14	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.78	7.11	9.51	30.00	10.48	36.00
5775MHz	Pass	2.58	3.37	22.23	22.14	25.20	30.00	25.51	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	17.89	17.55	20.73	30.00	20.92	36.00
5200MHz	Pass	2.58	3.37	18.01	17.86	20.95	30.00	21.23	36.00
5240MHz	Pass	2.58	3.37	17.90	17.91	20.92	30.00	21.28	36.00
5260MHz	Pass	2.58	3.37	20.91	20.68	23.81	23.98	24.05	30.00
5300MHz	Pass	2.58	3.37	21.02	20.75	23.90	23.98	24.12	30.00
5320MHz	Pass	2.58	3.37	20.94	20.72	23.84	23.98	24.09	30.00
5500MHz	Pass	2.58	3.37	20.84	20.96	23.91	23.98	24.33	30.00
5580MHz	Pass	2.58	3.37	20.76	20.78	23.78	23.98	24.15	30.00
5700MHz	Pass	2.58	3.37	18.20	18.16	21.19	23.98	21.53	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	19.32	19.07	22.21	22.83	22.44	28.83
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	14.53	14.61	17.58	30.00	17.98	36.00
5745MHz	Pass	2.58	3.37	26.61	26.97	29.80	30.00	30.34	36.00
5785MHz	Pass	2.58	3.37	26.74	27.02	29.89	30.00	30.39	36.00
5825MHz	Pass	2.58	3.37	26.76	26.87	29.83	30.00	30.24	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	18.05	17.32	20.71	30.00	20.69	36.00
5230MHz	Pass	2.58	3.37	17.93	17.39	20.68	30.00	20.76	36.00
5270MHz	Pass	2.58	3.37	20.79	20.73	23.77	23.98	24.10	30.00
5310MHz	Pass	2.58	3.37	20.93	20.86	23.91	23.98	24.23	30.00
5510MHz	Pass	2.58	3.37	20.10	19.89	23.01	23.98	23.26	30.00
5550MHz	Pass	2.58	3.37	20.87	20.95	23.92	23.98	24.32	30.00
5670MHz	Pass	2.58	3.37	20.85	20.71	23.79	23.98	24.08	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.88	20.63	23.77	23.98	24.00	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	10.98	11.18	14.09	30.00	14.55	36.00
5755MHz	Pass	2.58	3.37	26.17	26.21	29.20	30.00	29.58	36.00
5795MHz	Pass	2.58	3.37	26.83	26.95	29.90	30.00	30.32	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	17.81	17.65	20.74	30.00	21.02	36.00
5290MHz	Pass	2.58	3.37	20.86	20.74	23.81	23.98	24.11	30.00
5530MHz	Pass	2.58	3.37	20.07	20.09	23.09	23.98	23.46	30.00
5610MHz	Pass	2.58	3.37	20.67	20.70	23.70	23.98	24.07	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	20.78	21.03	23.92	23.98	24.40	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	6.76	8.24	10.57	30.00	11.61	36.00

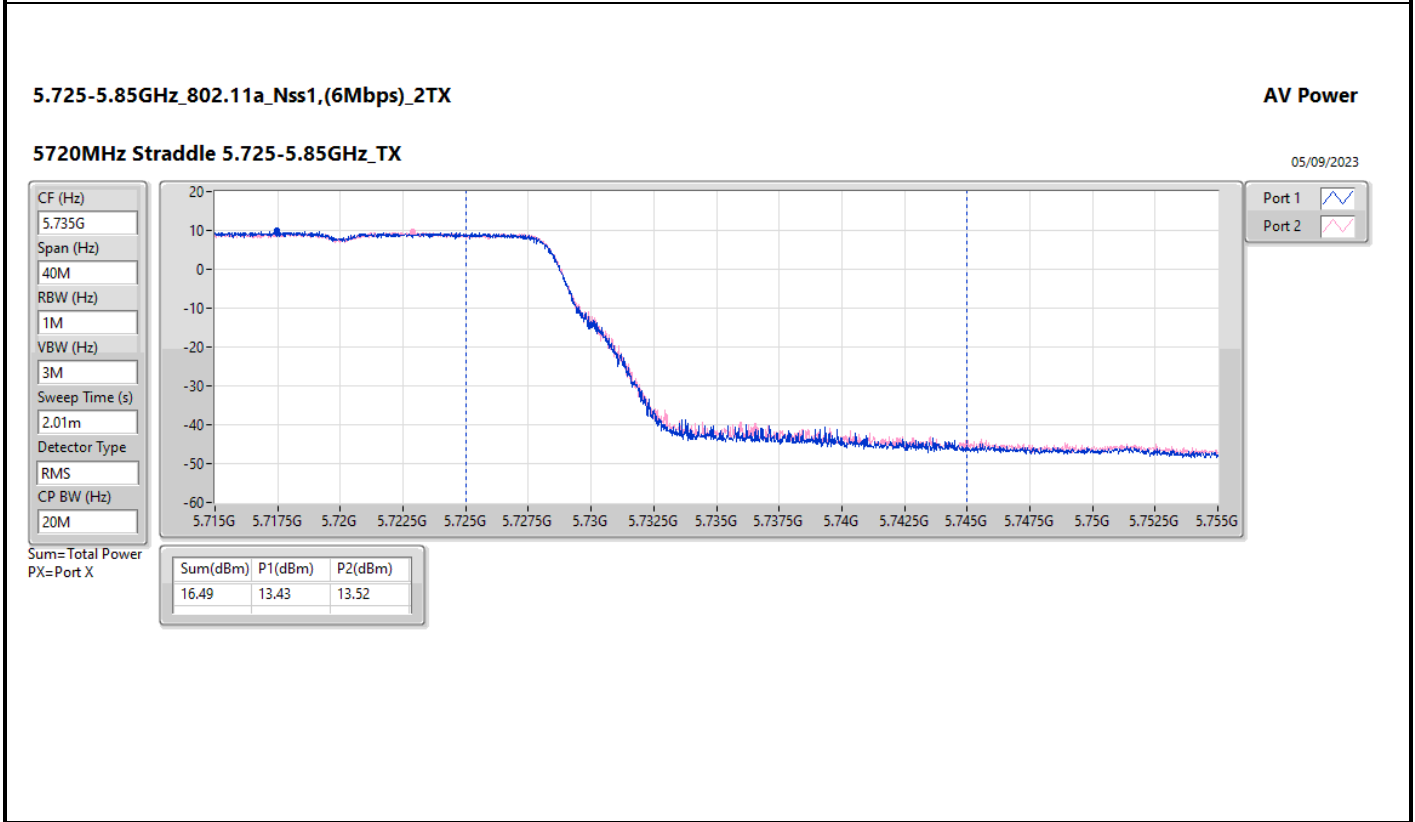
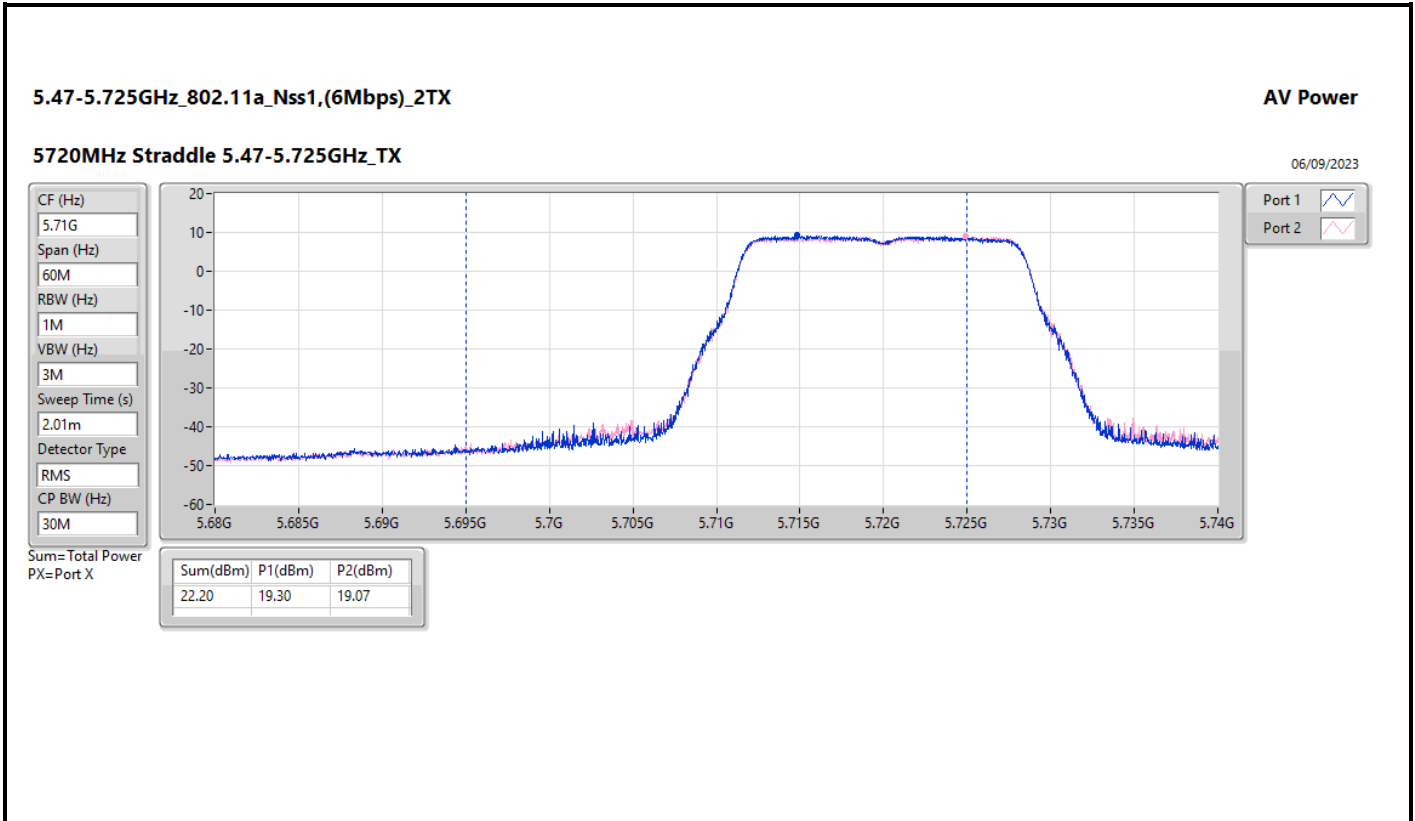


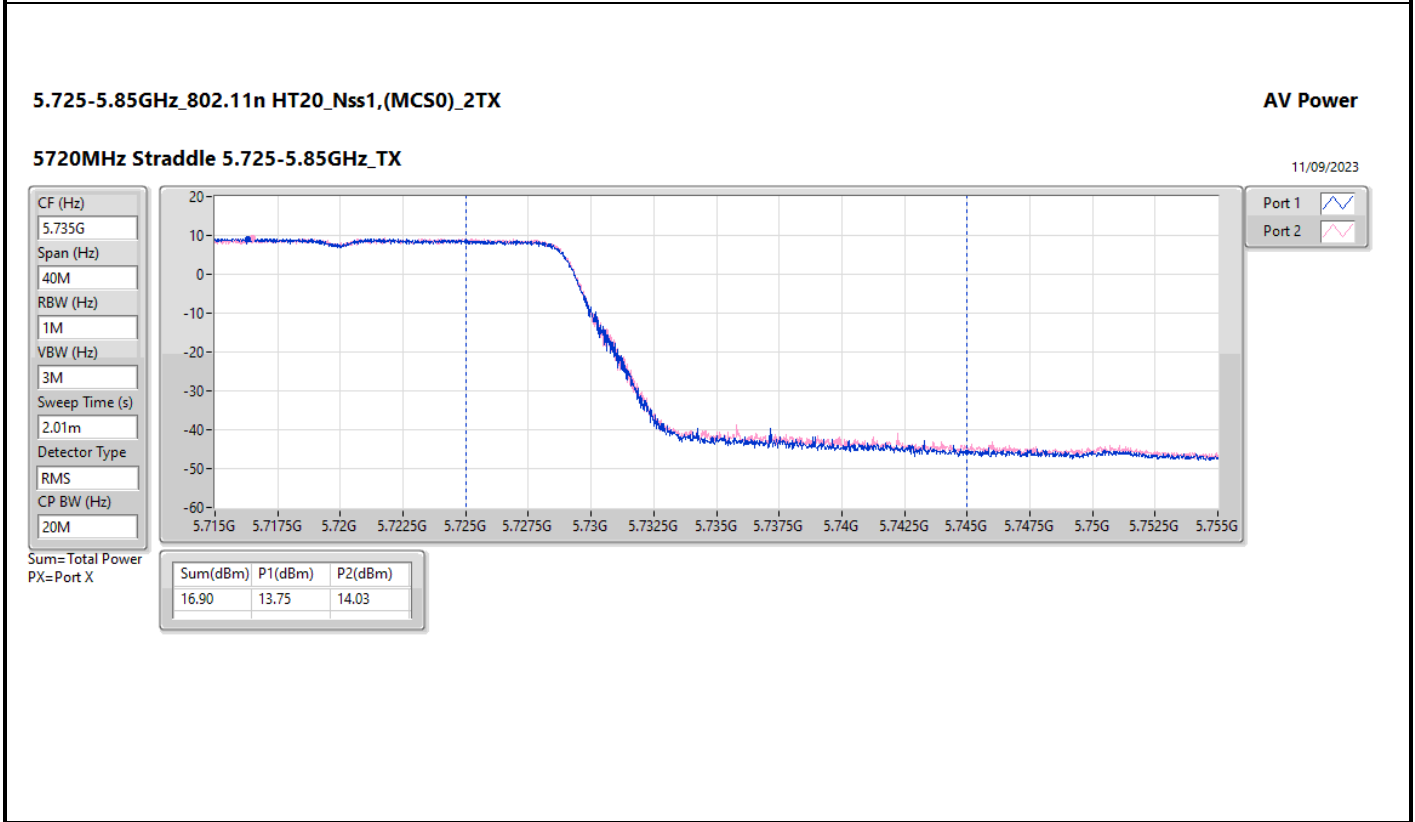
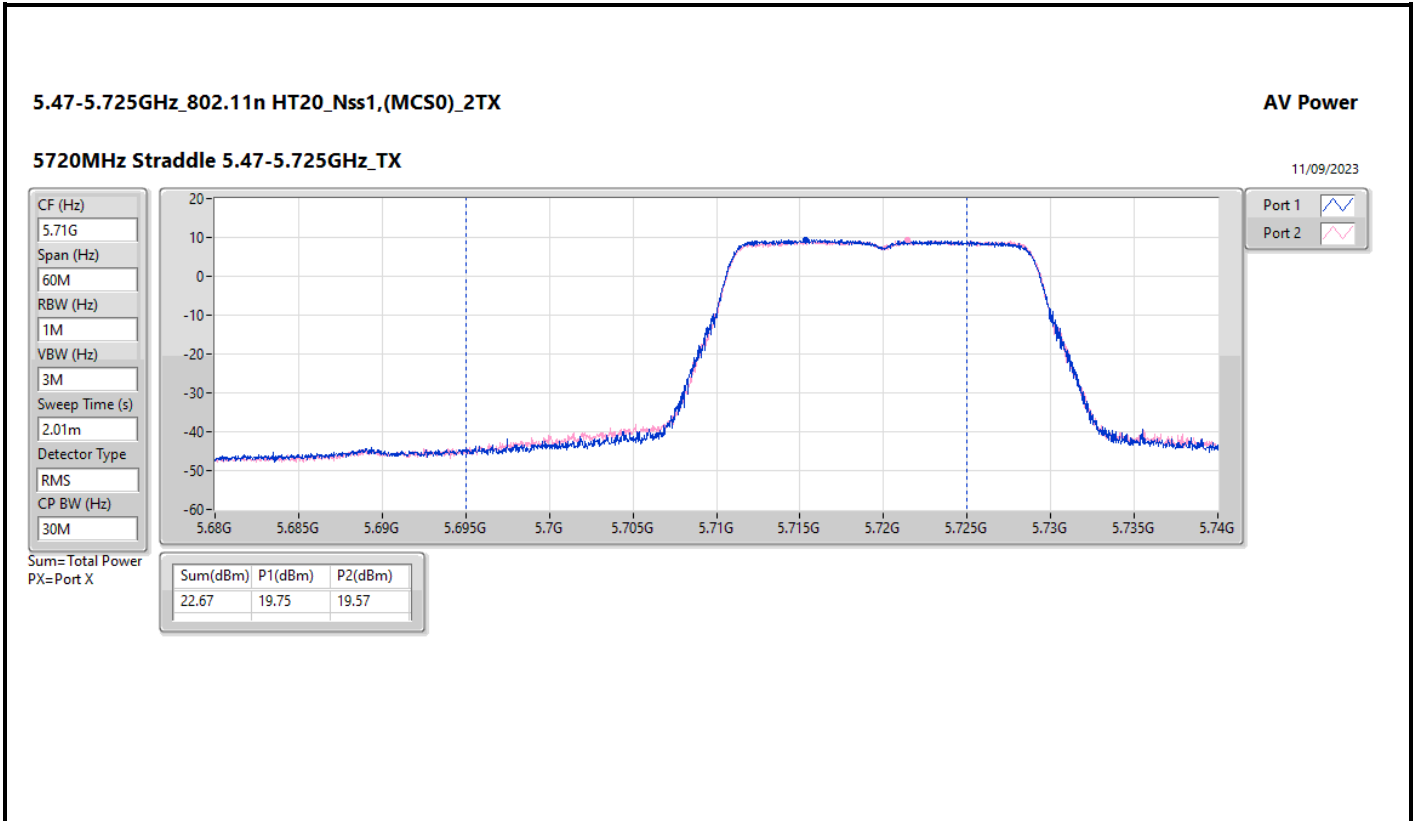
Average Power_Outdoor

Appendix C.2

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
5775MHz	Pass	2.58	3.37	22.20	22.05	25.14	30.00	25.42	36.00

DG = Directional Gain; Port X = Port X output power







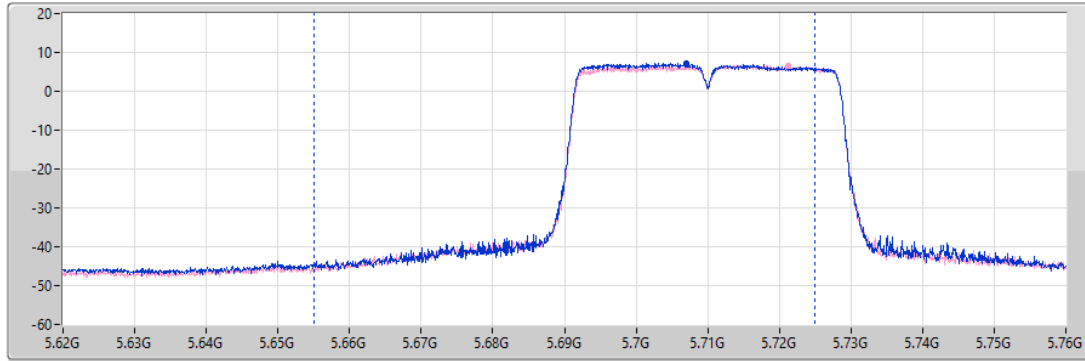
5.47-5.725GHz_802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

11/09/2023

CF (Hz)
5.69G
Span (Hz)
140M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
70M



Port 1

Port 2

Sum=Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)
23.85	21.05	20.61

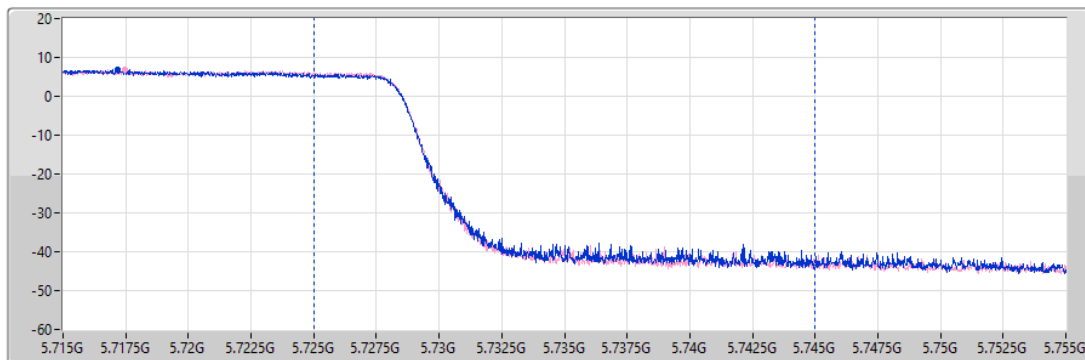
5.725-5.85GHz_802.11n HT40_Nss1,(MCS0)_2TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

11/09/2023

CF (Hz)
5.735G
Span (Hz)
40M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
2.01m
Detector Type
RMS
CP BW (Hz)
20M

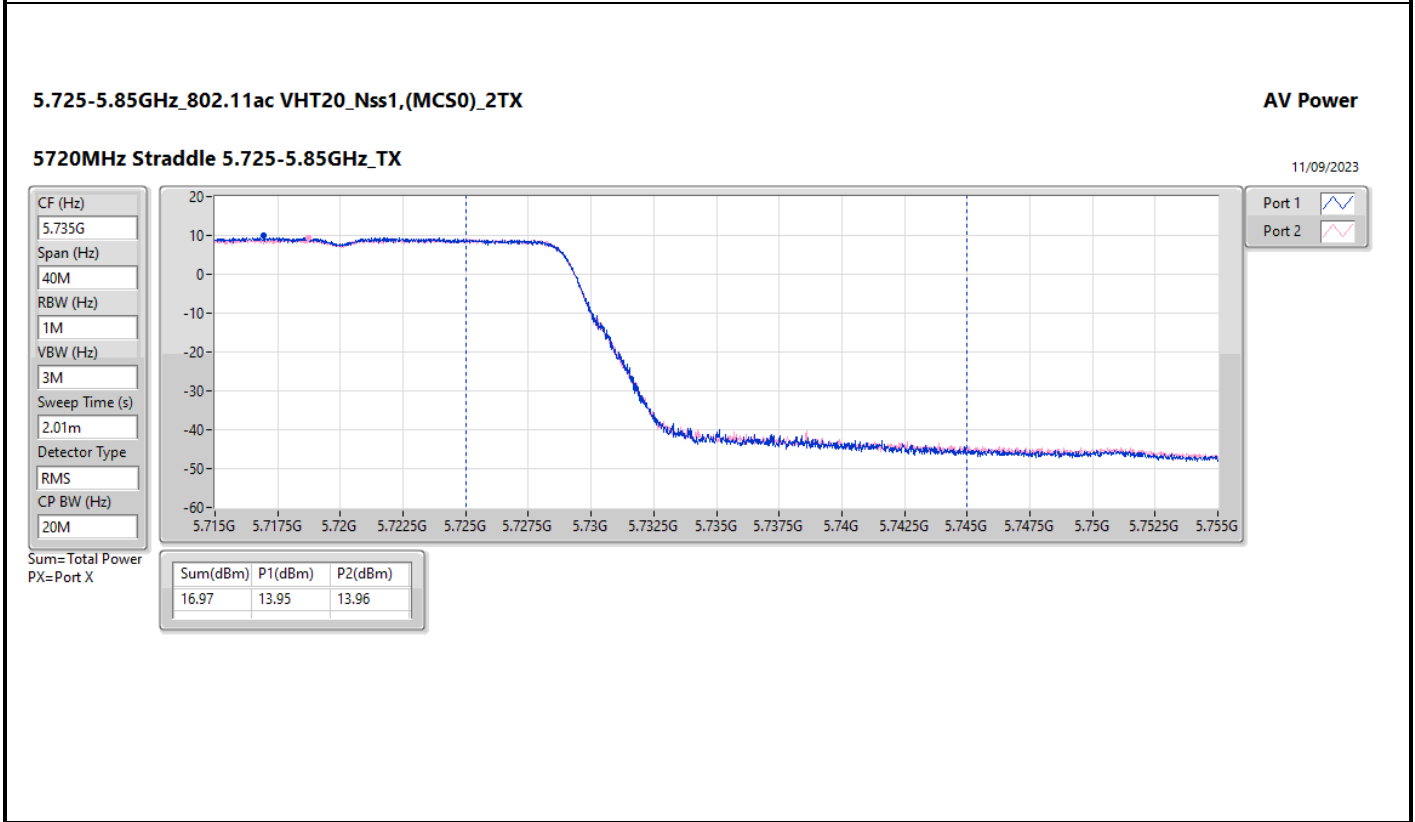
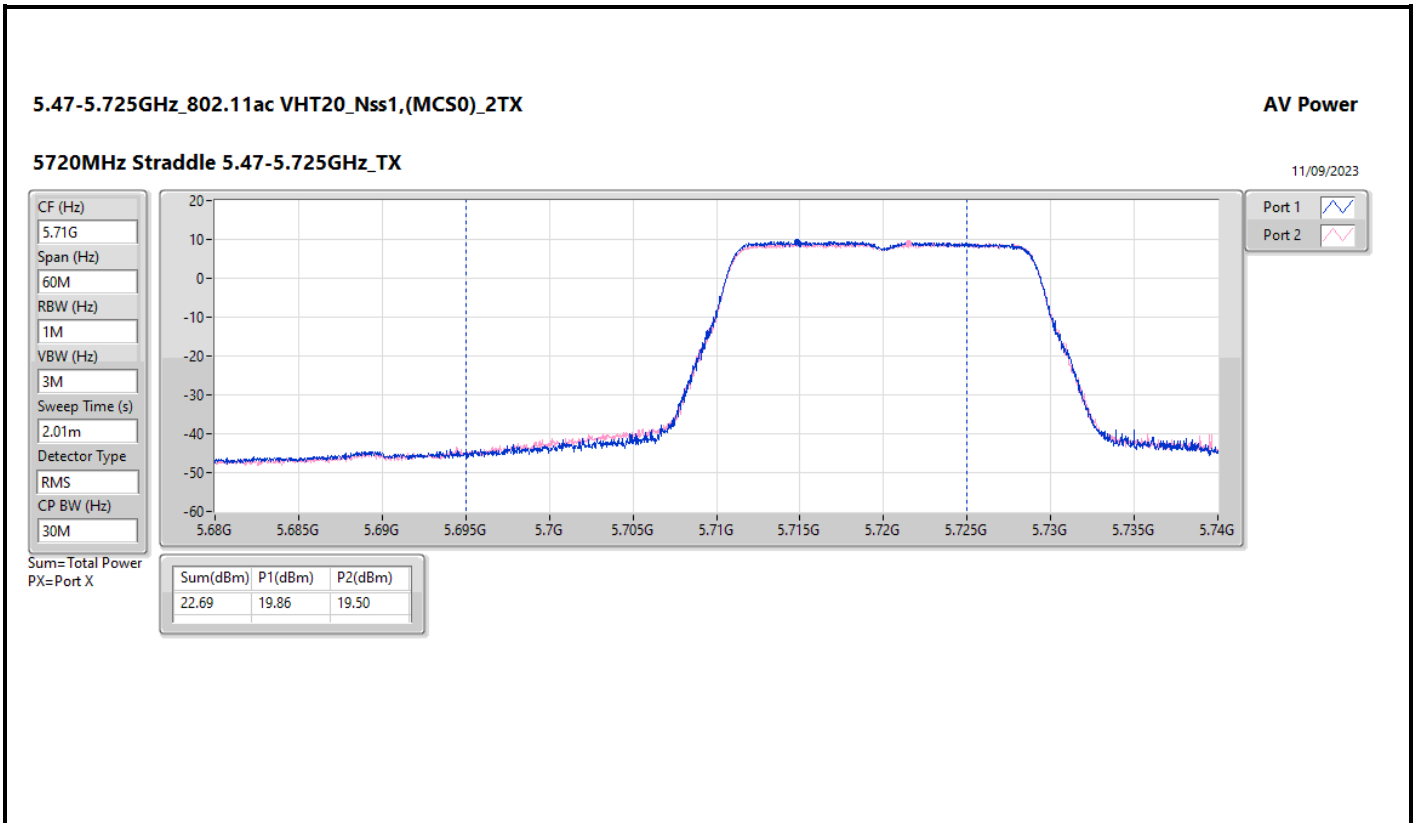


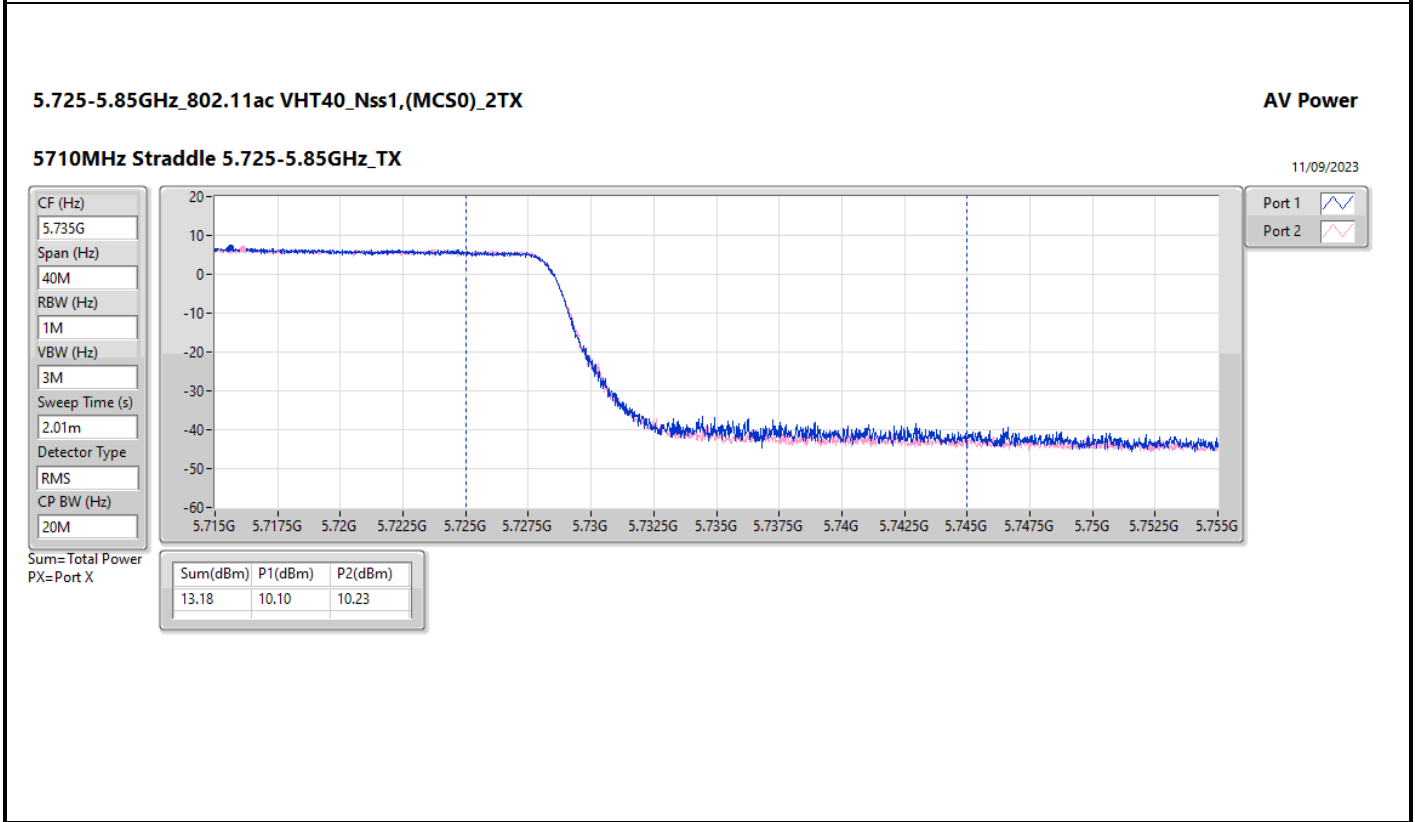
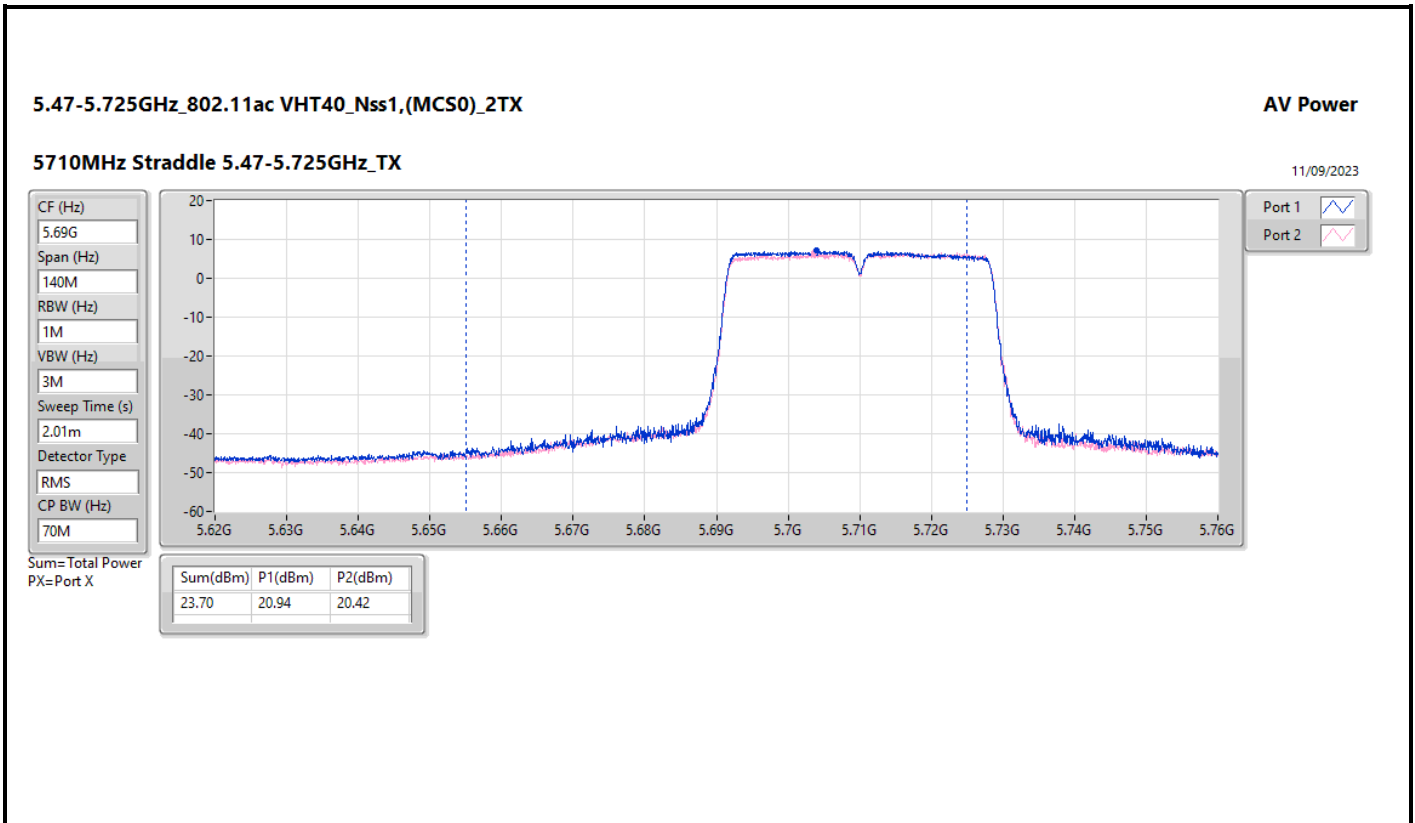
Port 1

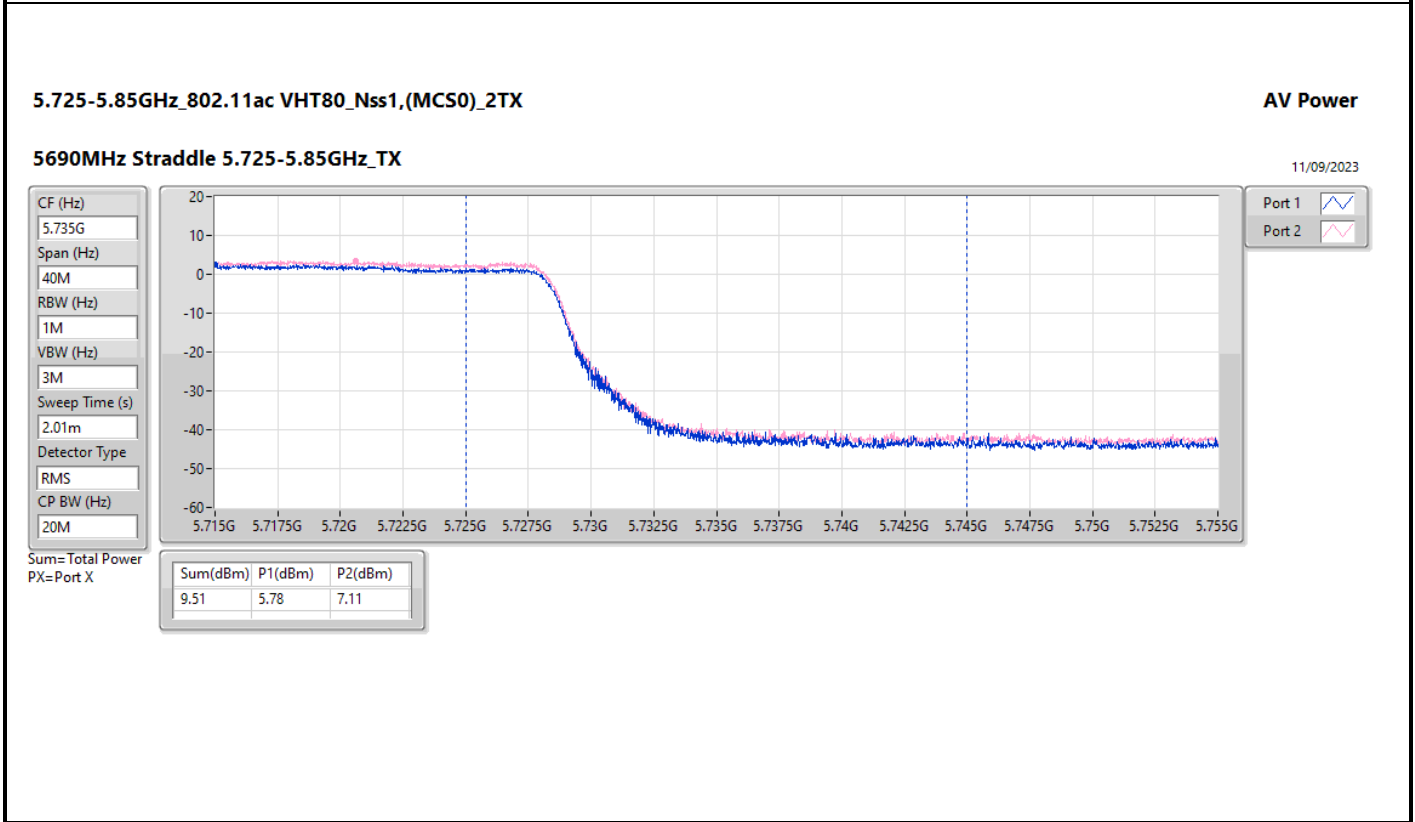
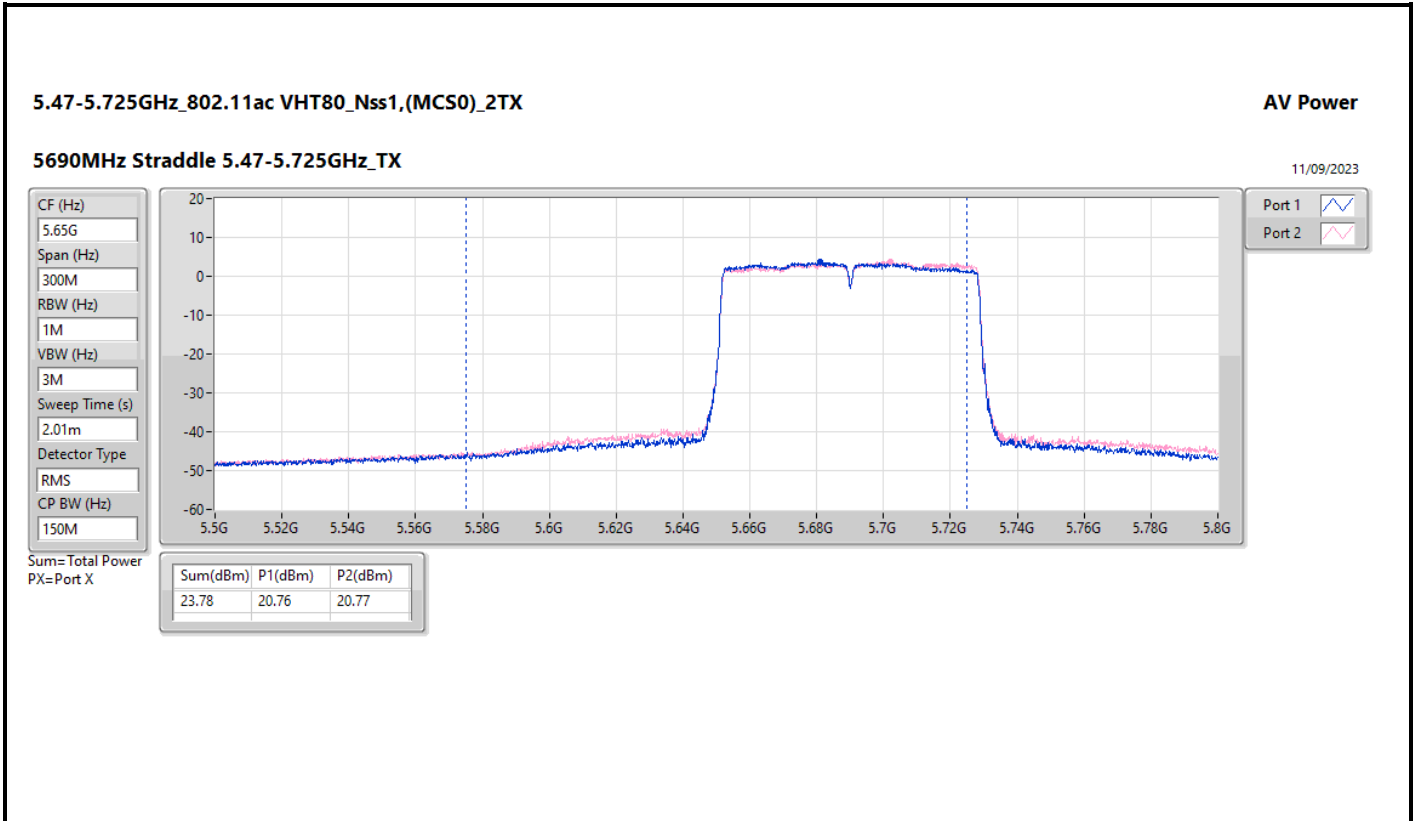
Port 2

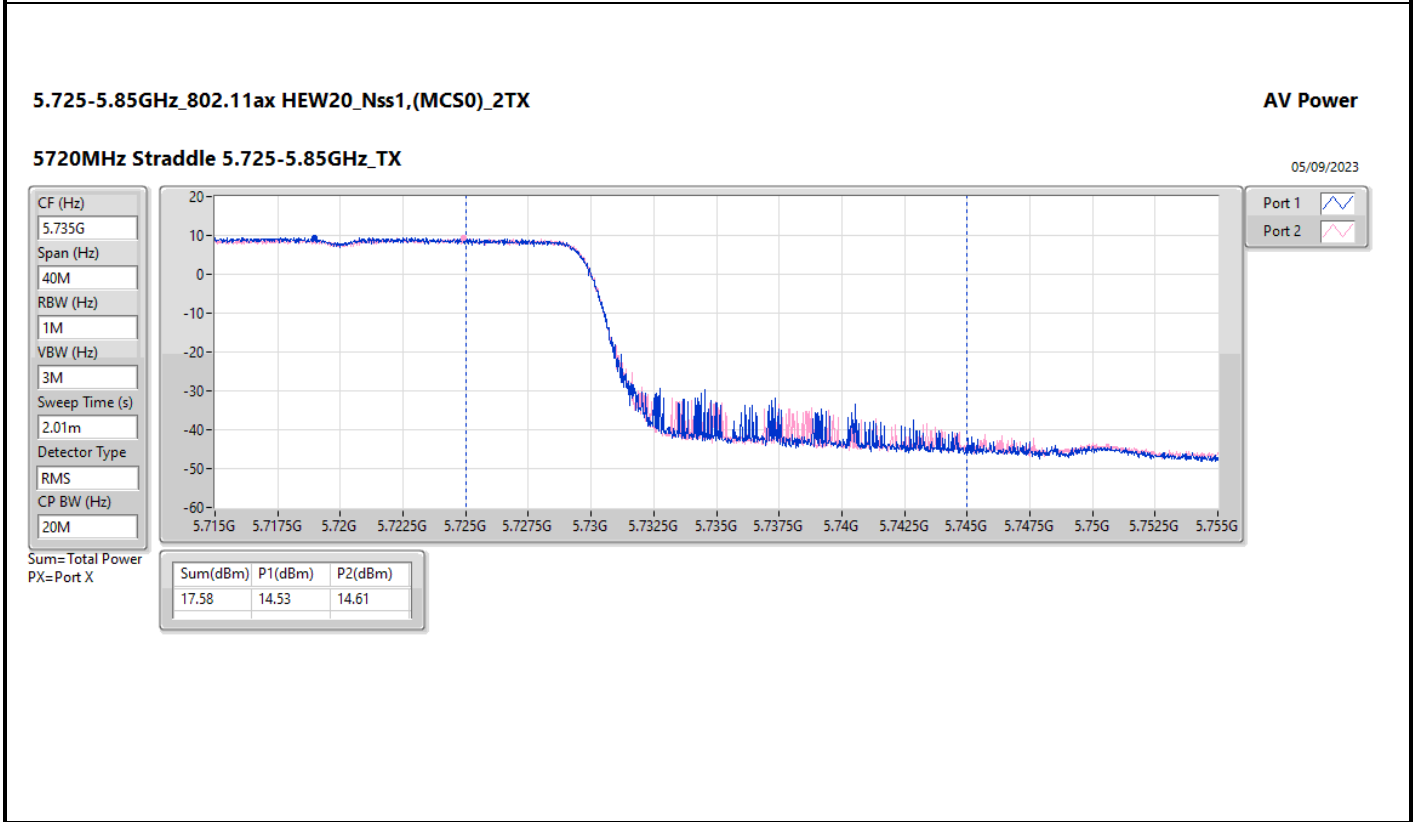
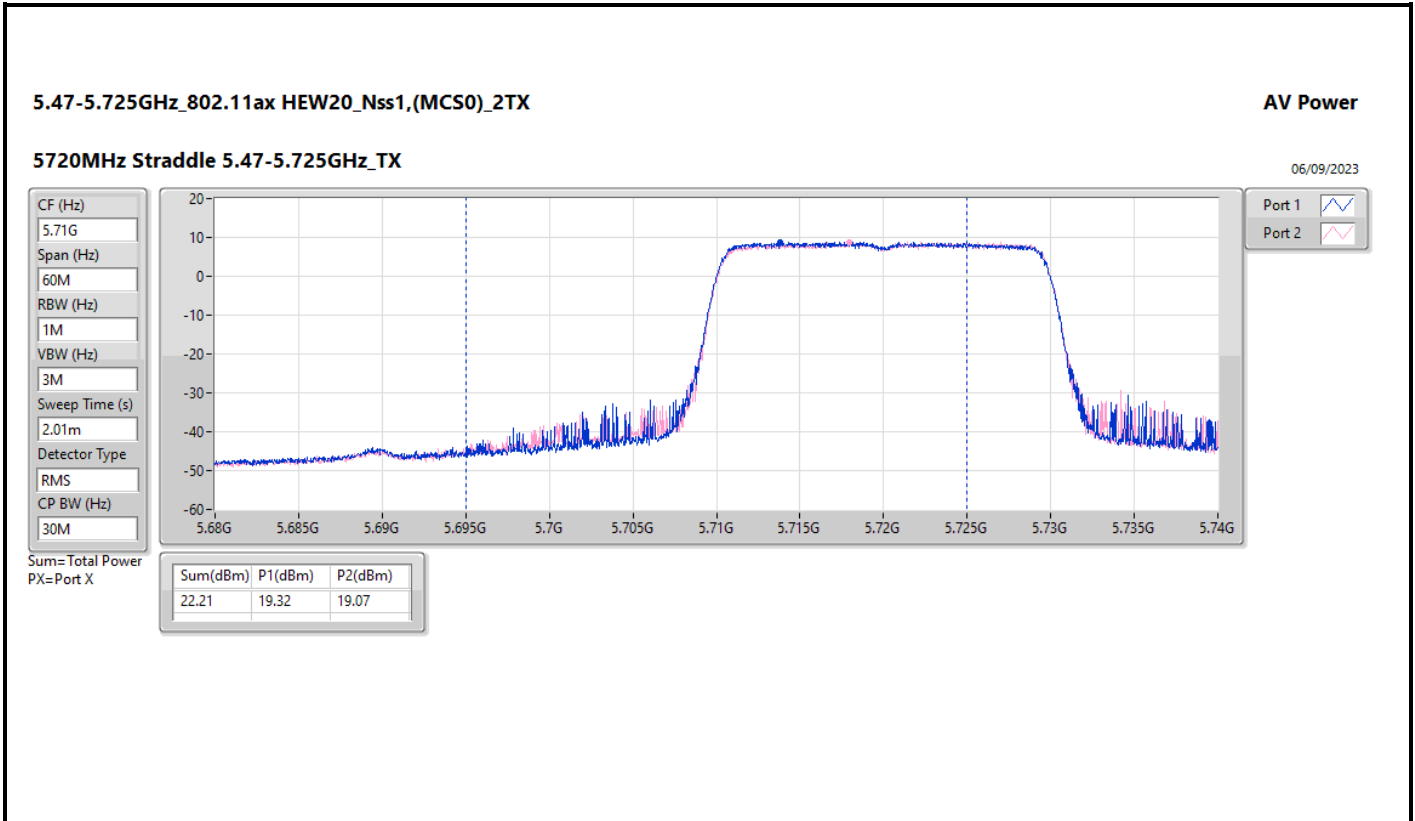
Sum=Total Power
PX=Port X

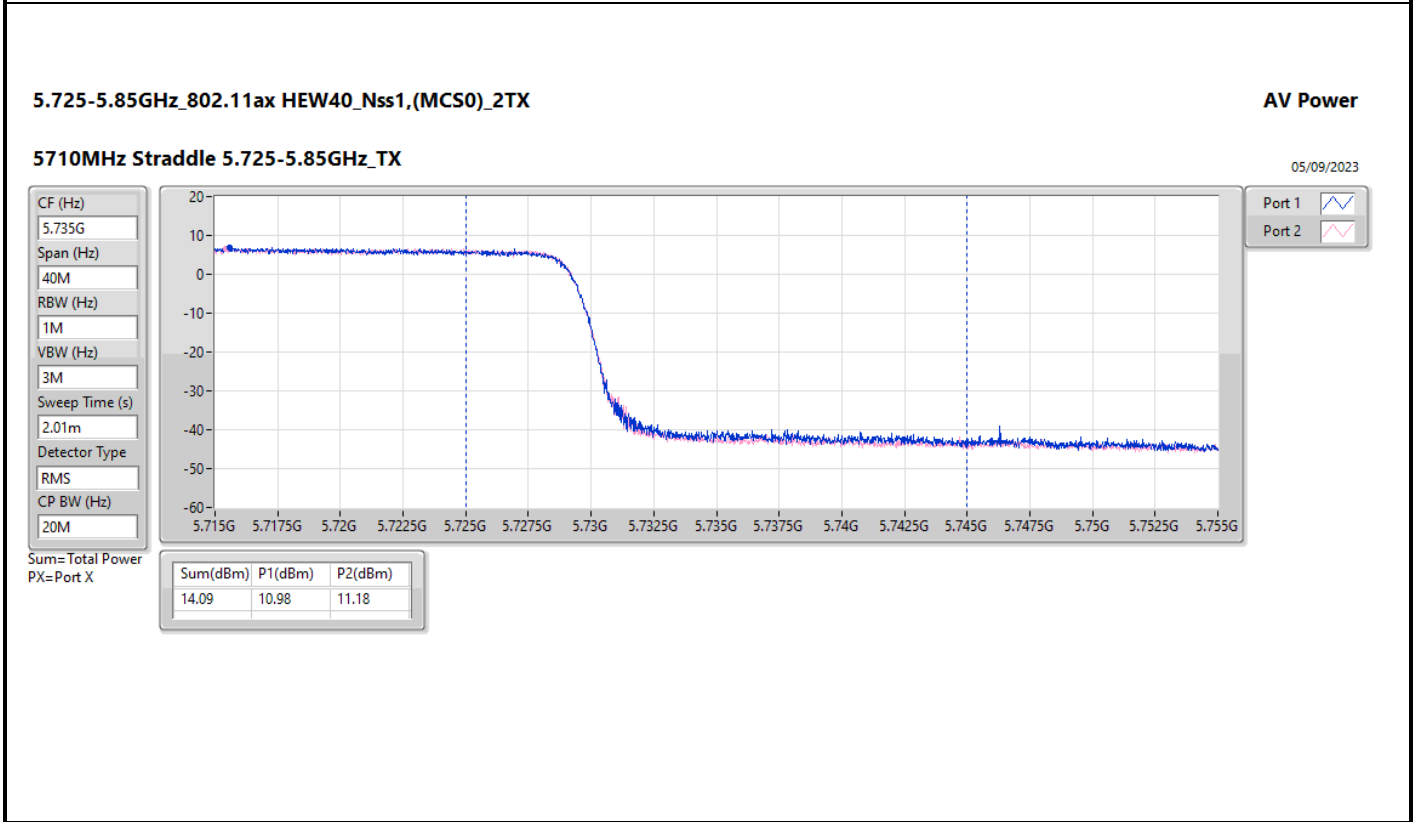
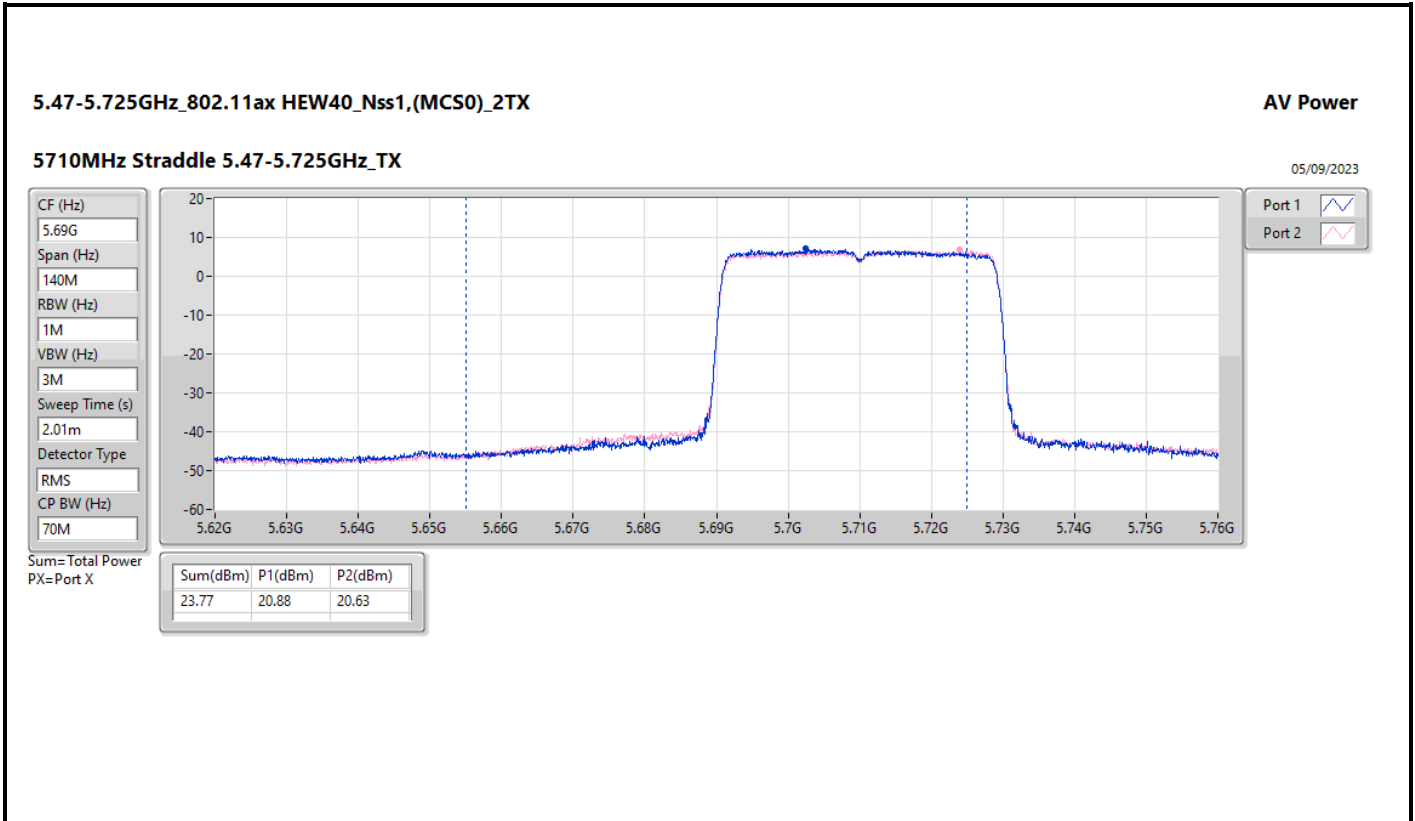
Sum(dBm)	P1(dBm)	P2(dBm)
13.20	10.03	10.35

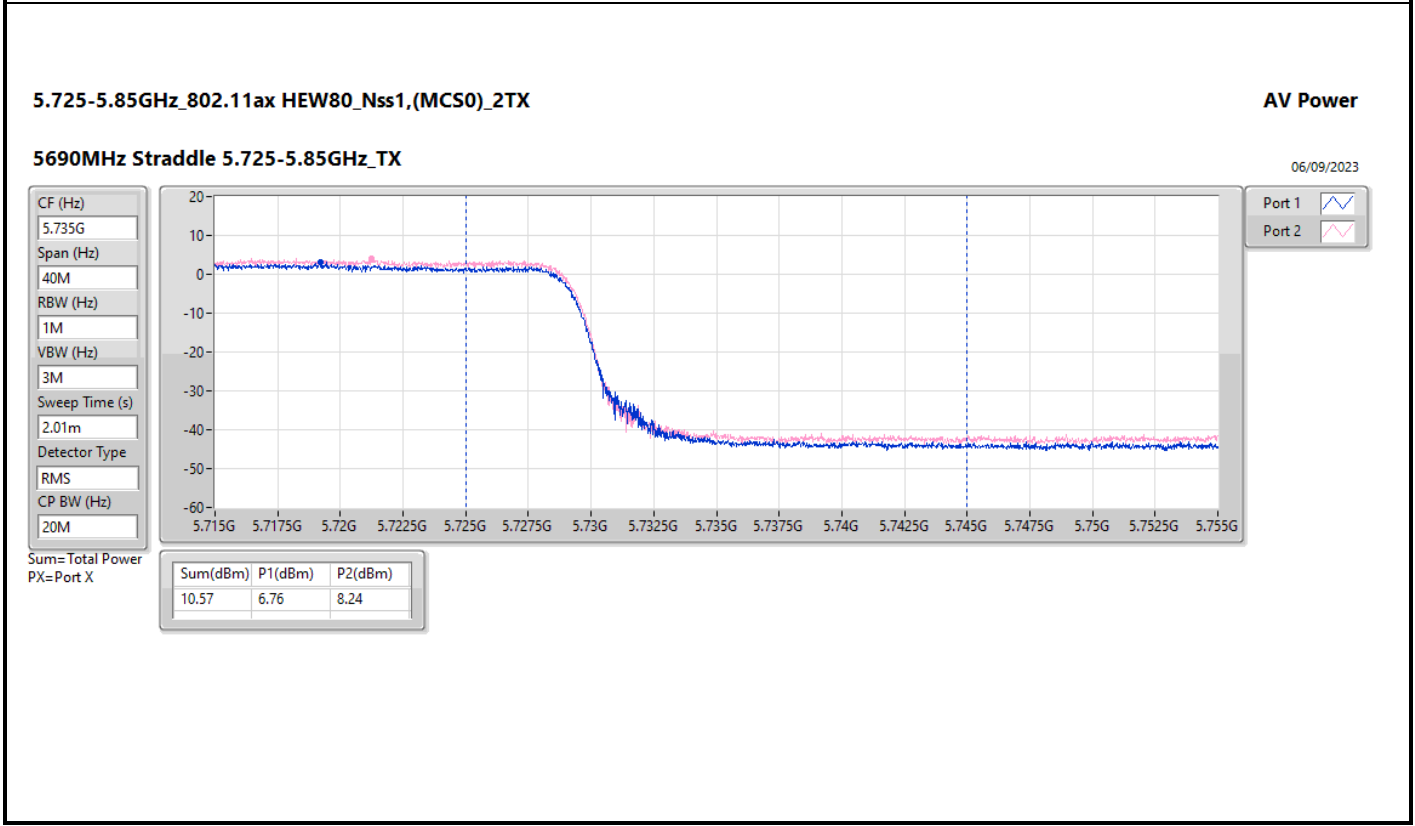
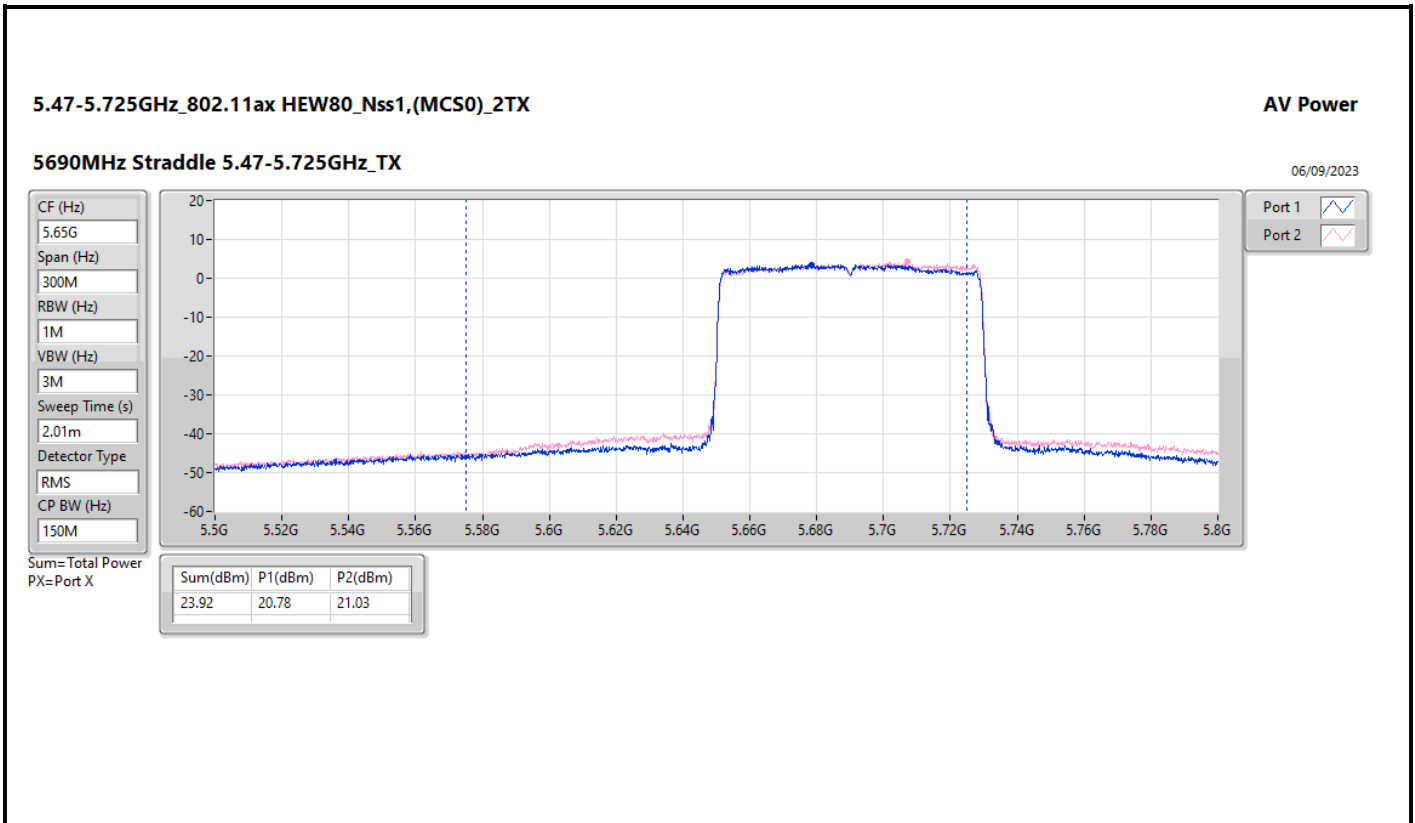














MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result Appendix C.3

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.94	0.12417	20.83	0.12106
802.11n HT20_Nss1,(MCS0)_2TX	20.93	0.12388	20.83	0.12106
802.11n HT40_Nss1,(MCS0)_2TX	20.80	0.12023	20.85	0.12162
802.11ac VHT20_Nss1,(MCS0)_2TX	20.99	0.12562	20.88	0.12246
802.11ac VHT40_Nss1,(MCS0)_2TX	20.63	0.11561	20.79	0.11995
802.11ac VHT80_Nss1,(MCS0)_2TX	20.90	0.12303	20.76	0.11912
802.11ax HEW20_Nss1,(MCS0)_2TX	20.95	0.12445	20.84	0.12134
802.11ax HEW40_Nss1,(MCS0)_2TX	20.71	0.11776	20.88	0.12246
802.11ax HEW80_Nss1,(MCS0)_2TX	20.74	0.11858	20.64	0.11588



MAX. E.I.R.P. At Any Elevation Angle Above 30 Degrees Result Appendix C.3

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.83	17.96	17.90	20.94	30.00	20.79	21.00
5200MHz	Pass	2.83	18.00	17.78	20.90	30.00	20.83	21.00
5240MHz	Pass	2.83	17.72	17.86	20.85	30.00	20.69	21.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.83	18.00	17.83	20.93	30.00	20.83	21.00
5200MHz	Pass	2.83	17.77	17.83	20.81	30.00	20.66	21.00
5240MHz	Pass	2.83	17.87	17.83	20.68	30.00	20.70	21.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.83	17.98	17.60	20.80	30.00	20.81	21.00
5230MHz	Pass	2.83	18.02	17.29	20.68	30.00	20.85	21.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.83	17.99	17.87	20.94	30.00	20.82	21.00
5200MHz	Pass	2.83	18.05	17.91	20.99	30.00	20.88	21.00
5240MHz	Pass	2.83	17.93	17.91	20.93	30.00	20.76	21.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.83	17.96	17.26	20.63	30.00	20.79	21.00
5230MHz	Pass	2.83	17.82	17.28	20.57	30.00	20.65	21.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.83	17.84	17.93	20.90	30.00	20.76	21.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5180MHz	Pass	2.83	17.89	17.55	20.73	30.00	20.72	21.00
5200MHz	Pass	2.83	18.01	17.86	20.95	30.00	20.84	21.00
5240MHz	Pass	2.83	17.90	17.91	20.92	30.00	20.74	21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5190MHz	Pass	2.83	18.05	17.32	20.71	30.00	20.88	21.00
5230MHz	Pass	2.83	17.93	17.39	20.68	30.00	20.76	21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-
5210MHz	Pass	2.83	17.81	17.65	20.74	30.00	20.64	21.00

DG = Directional Gain; Port X = Port X output power



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	16.82	19.95
802.11n HT20_Nss1,(MCS0)_2TX	16.60	19.75
802.11n HT40_Nss1,(MCS0)_2TX	12.35	15.35
802.11ac VHT20_Nss1,(MCS0)_2TX	16.56	19.64
802.11ac VHT40_Nss1,(MCS0)_2TX	12.30	15.35
802.11ac VHT80_Nss1,(MCS0)_2TX	3.98	7.12
802.11ax HEW20_Nss1,(MCS0)_2TX	16.52	19.55
802.11ax HEW40_Nss1,(MCS0)_2TX	12.12	15.14
802.11ax HEW80_Nss1,(MCS0)_2TX	4.18	7.32
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.98	14.10
802.11n HT20_Nss1,(MCS0)_2TX	10.62	13.72
802.11n HT40_Nss1,(MCS0)_2TX	7.86	10.89
802.11ac VHT20_Nss1,(MCS0)_2TX	10.58	13.59
802.11ac VHT40_Nss1,(MCS0)_2TX	7.80	10.83
802.11ac VHT80_Nss1,(MCS0)_2TX	5.10	8.10
802.11ax HEW20_Nss1,(MCS0)_2TX	10.55	13.56
802.11ax HEW40_Nss1,(MCS0)_2TX	7.82	10.83
802.11ax HEW80_Nss1,(MCS0)_2TX	5.22	8.26
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.84	13.90
802.11n HT20_Nss1,(MCS0)_2TX	10.77	13.89
802.11n HT40_Nss1,(MCS0)_2TX	8.27	11.33
802.11ac VHT20_Nss1,(MCS0)_2TX	10.83	13.90
802.11ac VHT40_Nss1,(MCS0)_2TX	8.21	11.23
802.11ac VHT80_Nss1,(MCS0)_2TX	5.30	8.29
802.11ax HEW20_Nss1,(MCS0)_2TX	10.71	13.74
802.11ax HEW40_Nss1,(MCS0)_2TX	8.29	11.27
802.11ax HEW80_Nss1,(MCS0)_2TX	5.38	8.37
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.74	18.82
802.11n HT20_Nss1,(MCS0)_2TX	15.08	18.18
802.11n HT40_Nss1,(MCS0)_2TX	12.33	15.47
802.11ac VHT20_Nss1,(MCS0)_2TX	15.09	18.15
802.11ac VHT40_Nss1,(MCS0)_2TX	12.43	15.45
802.11ac VHT80_Nss1,(MCS0)_2TX	9.78	12.80
802.11ax HEW20_Nss1,(MCS0)_2TX	14.95	17.97
802.11ax HEW40_Nss1,(MCS0)_2TX	12.35	15.36
802.11ax HEW80_Nss1,(MCS0)_2TX	9.96	12.95

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



Result

Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	11.41	11.50	14.35	17.00	17.46	23.00
5200MHz	Pass	2.58	3.37	13.98	13.92	16.82	17.00	19.95	23.00
5240MHz	Pass	2.58	3.37	13.84	13.94	16.77	17.00	19.90	23.00
5260MHz	Pass	2.58	3.37	8.10	7.91	10.97	11.00	14.00	17.00
5300MHz	Pass	2.58	3.37	7.87	7.86	10.86	11.00	13.87	17.00
5320MHz	Pass	2.58	3.37	8.13	8.06	10.98	11.00	14.10	17.00
5500MHz	Pass	2.58	3.37	7.81	7.97	10.84	11.00	13.90	17.00
5580MHz	Pass	2.58	3.37	7.91	7.90	10.79	11.00	13.91	17.00
5700MHz	Pass	2.58	3.37	7.69	7.77	10.69	11.00	13.74	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	7.82	7.56	10.55	11.00	13.68	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.87	5.86	8.75	30.00	11.87	36.00
5745MHz	Pass	2.58	3.37	12.62	12.97	15.74	30.00	18.82	36.00
5785MHz	Pass	2.58	3.37	12.50	12.84	15.58	30.00	18.69	36.00
5825MHz	Pass	2.58	3.37	11.91	12.01	14.86	30.00	17.97	36.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	10.55	10.61	13.41	17.00	16.59	23.00
5200MHz	Pass	2.58	3.37	13.66	13.82	16.60	17.00	19.75	23.00
5240MHz	Pass	2.58	3.37	13.72	13.71	16.60	17.00	19.72	23.00
5260MHz	Pass	2.58	3.37	7.85	7.60	10.62	11.00	13.72	17.00
5300MHz	Pass	2.58	3.37	7.66	7.67	10.55	11.00	13.67	17.00
5320MHz	Pass	2.58	3.37	7.56	7.62	10.50	11.00	13.60	17.00
5500MHz	Pass	2.58	3.37	7.78	7.97	10.77	11.00	13.89	17.00
5580MHz	Pass	2.58	3.37	7.71	7.96	10.76	11.00	13.85	17.00
5700MHz	Pass	2.58	3.37	4.97	4.79	7.71	11.00	10.88	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	7.38	7.36	10.19	11.00	13.37	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.62	5.66	8.58	30.00	11.65	36.00
5745MHz	Pass	2.58	3.37	11.89	12.41	15.08	30.00	18.18	36.00
5785MHz	Pass	2.58	3.37	11.96	12.42	15.07	30.00	18.22	36.00
5825MHz	Pass	2.58	3.37	11.94	12.13	14.93	30.00	18.05	36.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	4.80	4.33	7.45	17.00	10.55	23.00
5230MHz	Pass	2.58	3.37	9.47	9.25	12.35	17.00	15.35	23.00
5270MHz	Pass	2.58	3.37	4.77	4.98	7.86	11.00	10.89	17.00
5310MHz	Pass	2.58	3.37	4.82	4.75	7.79	11.00	10.79	17.00
5510MHz	Pass	2.58	3.37	4.32	4.05	7.02	11.00	10.18	17.00
5550MHz	Pass	2.58	3.37	5.44	5.23	8.27	11.00	11.33	17.00
5670MHz	Pass	2.58	3.37	4.82	4.96	7.81	11.00	10.90	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	5.01	4.72	7.80	11.00	10.86	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	2.52	2.79	5.58	30.00	8.67	36.00
5755MHz	Pass	2.58	3.37	8.82	8.81	11.74	30.00	14.82	36.00
5795MHz	Pass	2.58	3.37	9.47	9.47	12.33	30.00	15.47	36.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	10.38	10.62	13.43	17.00	16.52	23.00
5200MHz	Pass	2.58	3.37	13.60	13.66	16.56	17.00	19.64	23.00
5240MHz	Pass	2.58	3.37	13.56	13.56	16.50	17.00	19.56	23.00
5260MHz	Pass	2.58	3.37	7.84	7.36	10.58	11.00	13.59	17.00
5300MHz	Pass	2.58	3.37	7.69	7.46	10.52	11.00	13.57	17.00
5320MHz	Pass	2.58	3.37	7.60	7.41	10.47	11.00	13.50	17.00
5500MHz	Pass	2.58	3.37	7.85	7.93	10.83	11.00	13.90	17.00
5580MHz	Pass	2.58	3.37	7.75	7.80	10.75	11.00	13.78	17.00
5700MHz	Pass	2.58	3.37	4.93	4.93	7.87	11.00	10.93	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	7.43	7.31	10.34	11.00	13.37	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.54	5.69	8.59	30.00	11.63	36.00
5745MHz	Pass	2.58	3.37	11.89	12.16	14.97	30.00	18.04	36.00



Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5785MHz	Pass	2.58	3.37	12.00	12.26	15.09	30.00	18.15	36.00
5825MHz	Pass	2.58	3.37	11.91	12.06	14.93	30.00	18.00	36.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	4.25	3.98	7.01	17.00	10.11	23.00
5230MHz	Pass	2.58	3.37	9.42	9.29	12.30	17.00	15.35	23.00
5270MHz	Pass	2.58	3.37	4.82	4.83	7.80	11.00	10.83	17.00
5310MHz	Pass	2.58	3.37	4.75	4.62	7.64	11.00	10.68	17.00
5510MHz	Pass	2.58	3.37	4.15	4.01	7.03	11.00	10.08	17.00
5550MHz	Pass	2.58	3.37	5.22	5.23	8.21	11.00	11.23	17.00
5670MHz	Pass	2.58	3.37	4.90	4.84	7.87	11.00	10.87	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	4.88	4.81	7.73	11.00	10.85	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	2.38	2.78	5.59	30.00	8.61	36.00
5755MHz	Pass	2.58	3.37	8.79	8.74	11.73	30.00	14.77	36.00
5795MHz	Pass	2.58	3.37	9.42	9.47	12.43	30.00	15.45	36.00
802.11ac VHT80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	0.92	1.28	3.98	17.00	7.12	23.00
5290MHz	Pass	2.58	3.37	2.18	2.03	5.10	11.00	8.10	17.00
5530MHz	Pass	2.58	3.37	1.72	1.61	4.63	11.00	7.66	17.00
5610MHz	Pass	2.58	3.37	2.42	2.18	5.30	11.00	8.29	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	1.59	1.98	4.73	11.00	7.81	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	-1.79	-0.33	2.00	30.00	5.07	36.00
5775MHz	Pass	2.58	3.37	6.79	6.81	9.78	30.00	12.80	36.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5180MHz	Pass	2.58	3.37	9.85	9.95	12.87	17.00	15.91	23.00
5200MHz	Pass	2.58	3.37	13.40	13.39	16.36	17.00	19.40	23.00
5240MHz	Pass	2.58	3.37	13.53	13.56	16.52	17.00	19.55	23.00
5260MHz	Pass	2.58	3.37	7.63	7.43	10.51	11.00	13.53	17.00
5300MHz	Pass	2.58	3.37	7.68	7.45	10.55	11.00	13.56	17.00
5320MHz	Pass	2.58	3.37	7.59	7.31	10.45	11.00	13.44	17.00
5500MHz	Pass	2.58	3.37	7.77	7.71	10.71	11.00	13.74	17.00
5580MHz	Pass	2.58	3.37	7.68	7.73	10.71	11.00	13.71	17.00
5700MHz	Pass	2.58	3.37	4.90	4.90	7.87	11.00	10.90	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	7.39	7.35	10.33	11.00	13.37	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	5.50	5.44	8.47	30.00	11.47	36.00
5745MHz	Pass	2.58	3.37	11.72	12.04	14.85	30.00	17.90	36.00
5785MHz	Pass	2.58	3.37	11.88	12.04	14.95	30.00	17.97	36.00
5825MHz	Pass	2.58	3.37	11.82	11.83	14.81	30.00	17.83	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5190MHz	Pass	2.58	3.37	4.21	3.97	7.06	17.00	10.08	23.00
5230MHz	Pass	2.58	3.37	9.33	8.97	12.12	17.00	15.14	23.00
5270MHz	Pass	2.58	3.37	4.72	4.70	7.70	11.00	10.71	17.00
5310MHz	Pass	2.58	3.37	4.86	4.79	7.82	11.00	10.83	17.00
5510MHz	Pass	2.58	3.37	4.30	4.02	7.12	11.00	10.15	17.00
5550MHz	Pass	2.58	3.37	5.48	5.09	8.29	11.00	11.27	17.00
5670MHz	Pass	2.58	3.37	4.82	4.94	7.84	11.00	10.89	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	4.82	4.71	7.67	11.00	10.76	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	2.68	2.90	5.79	30.00	8.80	36.00
5755MHz	Pass	2.58	3.37	8.75	8.62	11.65	30.00	14.68	36.00
5795MHz	Pass	2.58	3.37	9.32	9.39	12.35	30.00	15.36	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-
5210MHz	Pass	2.58	3.37	1.12	1.48	4.18	17.00	7.32	23.00
5290MHz	Pass	2.58	3.37	2.23	2.28	5.22	11.00	8.26	17.00
5530MHz	Pass	2.58	3.37	1.78	1.65	4.73	11.00	7.71	17.00
5610MHz	Pass	2.58	3.37	2.39	2.35	5.38	11.00	8.37	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	2.58	3.37	1.78	2.23	4.88	11.00	8.03	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	2.58	3.37	-1.38	0.05	2.35	30.00	5.46	36.00



Mode	Result	Port 1 Gain (dBi)	Port 2 Gain (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
5775MHz	Pass	2.58	3.37	6.97	6.92	9.96	30.00	12.95	36.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

