



RADIO TEST REPORT

FCC ID : NKR-ATT CGW453
Equipment : Enterprise product
Brand Name : AT&T
Model Name : CGW453-400
Applicant : WNC Corporation
20 Park Avenue II, Hsinchu Science Park, Hsinchu
308, Taiwan, R.O.C
Manufacturer : Neweb Vietnam Co., Ltd.
Land Lot CN01, Dong Van III Industrial Zone,
Dong Van Ward, Ninh Binh Province, Vietnam
Standard : 47 CFR FCC Part 15.407

The product was received on May 26, 2026, and testing was started from May 26, 2026 and completed on Aug. 12, 2026. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2020 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. Hsinchu Laboratory, the test report shall not be reproduced except in full.

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



Table of Contents

History of this test report.....	3
Summary of Test Result.....	4
1 General Description	5
1.1 Information.....	5
1.2 Applicable Standards	11
1.3 Testing Location Information	11
1.4 Measurement Uncertainty	12
2 Test Configuration of EUT.....	13
2.1 Test Channel Mode	13
2.2 The Worst Case Measurement Configuration	16
2.3 EUT Operation during Test	17
2.4 Accessories	18
2.5 Support Equipment.....	18
2.6 Test Setup Diagram	20
3 Transmitter Test Result	25
3.1 AC Power-line Conducted Emissions	25
3.2 Emission Bandwidth	27
3.3 Maximum Output Power	28
3.4 Power Spectral Density	31
3.5 Unwanted Emissions.....	34
4 Test Equipment and Calibration Data	39
Appendix A. Test Results of AC Power-line Conducted Emissions	
Appendix B. Test Results of Emission Bandwidth	
Appendix C. Test Results of Maximum Output Power	
Appendix D. Test Results of Power Spectral Density	
Appendix E. Test Results of Unwanted Emissions	
Appendix F. Test Results of Radiated Emission Co-location	
Appendix G. Test Photos	
Photographs of EUT v01	



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



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 Output Power	PASS	-
3.4	15.407(a)	Power Spectral Density	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

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

Disclaimer:

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

Reviewed by: Sam Chen**Report Producer: Muse Chan**



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		5500-5720	100-144 [12]
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		5510-5710	102-142 [6]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5690	106-138 [3]
5725-5850		5775	155 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]



Band	Mode	BWch (MHz)	Nant
5.15-5.25GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20	20	4TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF	20	4TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40	40	4TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF	40	4TX
	802.11 ac VHT80, 802.11 ax HEW80	80	4TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF	80	4TX
5.15-5.35GHz	802.11 ac VHT160, 802.11 ax HEW160	160	4TX
	802.11 ac VHT160-BF, 802.11 ax HEW160-BF	160	4TX
5.25-5.35GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20	20	4TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF	20	4TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40	40	4TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF	40	4TX
	802.11 ac VHT80, 802.11 ax HEW80	80	4TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF	80	4TX



Band	Mode	BWch (MHz)	Nant
5.47-5.725GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20	20	4TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF	20	4TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40	40	4TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF	40	4TX
	802.11 ac VHT80, 802.11 ax HEW80	80	4TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF	80	4TX
	802.11 ac VHT160, 802.11 ax HEW160	160	4TX
	802.11 ac VHT160-BF, 802.11 ax HEW160-BF	160	4TX
5.725-5.85GHz	802.11 a, 802.11 n HT20, 802.11 ac VHT20, 802.11 ax HEW20,	20	4TX
	802.11 n HT20-BF, 802.11 ac VHT20-BF, 802.11 ax HEW20-BF	20	4TX
	802.11 n HT40, 802.11 ac VHT40, 802.11 ax HEW40	40	4TX
	802.11 n HT40-BF, 802.11 ac VHT40-BF, 802.11 ax HEW40-BF	40	4TX
	802.11 ac VHT80, 802.11 ax HEW80	80	4TX
	802.11 ac VHT80-BF, 802.11 ax HEW80-BF	80	4TX

Note:

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



1.1.2 Antenna Information

<Internal Antenna>

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Modes of Operation
	2.4GHz	5GHz	6GHz					
1	1	1	-	WNC	48XKAC42	Dipole	I-PEX	WLAN 2.4GHz, 5GHz UNII 1~3
2	2	2	-	WNC	48XKAC3F	Dipole	I-PEX	
3	3	3	-	WNC	48XKAC45	Dipole	I-PEX	
4	4	4	-	WNC	48XKAC46	Dipole	I-PEX	
5	-	-	1	WNC	48XKAC3G	Dipole	I-PEX	WLAN 6GHz
6	-	-	2	WNC	48XKAC3G	Dipole	I-PEX	
7	-	-	3	WNC	48XKAC3G	Dipole	I-PEX	
8	-	-	4	WNC	48XKAC3N	Dipole	I-PEX	
9	-	5	-	WNC	48XKAC3H	Dipole	I-PEX	WLAN 5GHz UNII 2C
10	-	-	-	WNC	48XKAC3L	Dipole	I-PEX	WWAN full band
11	-	-	-	WNC	48XKAC3P	Dipole	I-PEX	
12	-	-	-	WNC	48XKAC3R	Dipole	I-PEX	WWAN dual band
13	-	-	-	WNC	48XKAC3X	Dipole	I-PEX	
14	-	-	-	WNC	48XKAC3J	Dipole	I-PEX	
15	-	-	-	WNC	48XKAC3K	Dipole	I-PEX	WWAN single band
16	-	-	-	WNC	48XKAC3Y	Dipole	I-PEX	
17	-	-	-	WNC	48XKAC3Z	Dipole	I-PEX	

<External Antenna>

Ant.	Port			Brand	Model Name	Antenna Type	Connector	Modes of Operation
	2.4GHz	5GHz	6GHz					
18	-	-	-	WNC	48XKAC3R	Dipole	SMA	WWAN dual band
19	-	-	-	WNC	48XKAC3X	Dipole	SMA	
20	-	-	-	WNC	48XKAC3P	Dipole	SMA	WWAN full band
21	-	-	-	WNC	48XKAC3L	Dipole	SMA	

Note 1:

<WLAN Antenna Gain>

Ant.	Antenna Gain (dBi)								
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	6GHz UNII 5	6GHz UNII 6	6GHz UNII 7	6GHz UNII 8
1	4.15	3.97	3.5	2.45	1.73	-	-	-	-
2	3.63	4.38	4.15	5.28	5.28	-	-	-	-
3	4.02	4.04	4.04	4.54	3.38	-	-	-	-
4	3.18	3.03	3.11	3.65	2.73	-	-	-	-
5	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-
9	-	-	-	4.54	-	-	-	-	-

<Directional Gain>

Directional Gain (dBi)					
Item	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3
4T1S	5.87	6.04	6.04	5.71	5.75

**<WWAN Antenna Gain>**

Antenna Gain (dBi)									
Freq.	700 MHz	780 MHz	850 MHz	1800 MHz	2100 MHz	2300 MHz	3300 MHz	4200 MHz	
10	1.7	2.1	3.8	2.8	2.6	5.6	5.0	2.2	
11	2.2	2.8	0.9	3.9	2.4	3.9	4.5	3.4	
Freq.	1800 MHz		2100 MHz		2300 MHz		3300 MHz		4200 MHz
12	4.1		3.2		3.3		2.8		3.1
13	3.3		4.1		4.2		3.6		3.5
14	2.8		3.6		2.7		5.2		4.5
Freq.	3300 MHz					4200 MHz			
15	4.2					3.6			
16	4.2					3.7			
17	3.0					3.0			
Freq.	1800 MHz		2100 MHz		2300 MHz		3300 MHz		4200 MHz
18	4.1		3.2		3.3		2.8		3.1
19	3.3		4.1		4.2		3.6		3.5
Freq.	700 MHz	780 MHz	850 MHz	1800 MHz	2100 MHz	2300 MHz	3300 MHz	4200 MHz	
20	2.2	2.8	0.9	3.9	2.4	3.9	4.5	3.4	
21	1.7	2.1	3.8	2.8	2.6	5.6	5.0	2.2	

Note 2: The above information was declared by manufacturer.

Note 3: **For WLAN 2.4GHz function:**

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

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

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

For WLAN 5GHz function:

For IEEE 802.11a/n/ac/ax (4TX/5RX that it includes 1RX for UNII 2C):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

Port 1, Port 2, Port 3, Port 4 and Port 5 could transmit/receive simultaneously.

For WLAN 6GHz function:

For IEEE 802.11ax (4TX/4RX):

Port 1, Port 2, Port 3 and Port 4 can be used as transmitting/receiving antenna.

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



1.1.3 Mode Test Duty Cycle

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11a_Nss 1,(6D)	0.992	0.03	3.012m	10Hz (DC>=0.98)
802.11ax HEW20_Nss 1,(M0)	0.992	0.03	3.312m	10Hz (DC>=0.98)
802.11ax HEW40_Nss 1,(M0)	0.966	0.15	780.937u	2k
802.11ax HEW80_Nss 1,(M0)	0.966	0.15	3.167m	500
802.11ax HEW160_Nss 1,(M0)	0.99	0.04	2.998m	10Hz (DC>=0.98)
802.11ax HEW20-BF_Nss 1,(M0)	0.992	0.03	3.312m	10Hz (DC>=0.98)
802.11ax HEW40-BF_Nss 1,(M0)	0.966	0.15	780.937u	2k
802.11ax HEW80-BF_Nss 1,(M0)	0.966	0.15	3.167m	500
802.11ax HEW160-BF_Nss 1,(M0)	0.99	0.04	2.998m	10Hz (DC>=0.98)

Note:

- ♦ DC is Duty Cycle.
- ♦ DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/ax in 2.4GHz, 11n/ac/ax in 5GHz and ax in 6GHz.			
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Function	☐	Outdoor P2M	☒	Indoor P2M
	☐	Fixed P2P	☐	Client
	☒	Point-to-multipoint	☐	Point-to-point
TPC Function	☒	With TPC	☐	Without TPC
Channel Puncturing Function	☐	Supported		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	For Non-beamforming Mode: Mtool_3.2.1.4 For Beamforming Mode: DOS [ver 6.1.7601]			

Note: The above information was declared by manufacturer.

1.1.5 Table for Certified WWAN Module Information

Brand Name	Model Name	FCC ID	Bands
WNC	IMQC	NKRIMQC	4G Band (LTE): B2/B5/B12/B14/B30/B66 5G Band (NR): n2/n5/n12/n30/n66/n77(3450~3550MHz)/n77(3700~3980MHz)

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

- ♦ 47 CFR FCC Part 15
- ♦ ANSI C63.10-2020
- ♦ FCC KDB 789033 D02 v02r01

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Serway Lee	22.2~22.6 / 61~63	Jul. 28, 2026~ Jul. 30, 2026
Radiated Below 1GHz	03CH01-CB	Sean Ku	24.2~24.9 / 63~66	Aug. 12, 2026
Radiated Above 1GHz	03CH01-CB	Sean Ku	23.9~24.7 / 62~66	May 26, 2026~ Aug. 04, 2026
	03CH02-CB	Paul Hu	24.2~24.9 / 58~66	
	03CH03-CB	George Fan	23.5~24.4 / 60~65	
	03CH04-CB	Stim Sung	24.4~24.6 / 63~64	
			23.6~23.9 / 55~68	
	03CH06-CB	Jimmy Huang	23.6~24.0 / 56~57	
Radiated Emission Co-location	03CH04-CB	Stim Sung	23.9~24.9 / 65~66	
AC Conduction	CO01-CB	Tim Chen	21~22 / 63~64	Jun. 08, 2026



1.4 Measurement Uncertainty

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

Test Date: Date Before May 28, 2026

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%

Test Date: Date After May 27, 2026

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.9 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.9 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.5 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.3 dB	Confidence levels of 95%
Conducted Emission	3.8 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	3.5 dB	Confidence levels of 95%
Bandwidth Measurement	1.6 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Mode
802.11a_Nss1,(6Mbps)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW20_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz



Mode
5550MHz
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5180MHz
5200MHz
5240MHz
5260MHz
5300MHz
5320MHz
5500MHz
5580MHz
5700MHz
5720MHz Straddle 5.47-5.725GHz
5720MHz Straddle 5.725-5.85GHz
5745MHz
5785MHz
5825MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5190MHz
5230MHz
5270MHz
5310MHz
5510MHz
5550MHz



Mode
5670MHz
5710MHz Straddle 5.47-5.725GHz
5710MHz Straddle 5.725-5.85GHz
5755MHz
5795MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5210MHz
5290MHz
5530MHz
5610MHz
5690MHz Straddle 5.47-5.725GHz
5690MHz Straddle 5.725-5.85GHz
5775MHz
802.11ax HEW160-BF_Nss1,(MCS0)_4TX
5250MHz Straddle 5.15-5.25GHz
5250MHz Straddle 5.25-5.35GHz
5570MHz

Note:

- ♦ Evaluated HEW20/HEW40/HEW80/HEW160 mode only due to the similar modulation.
The power setting of HT20/HT40/VHT20/VHT40/VHT80/VHT160 mode are the same or lower than HEW20/HEW40/HEW80/HEW160.

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link
1	EUT + WWAN Antenna 10~17 + Adapter

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Maximum Output Power 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	Normal Link After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.
1	EUT in X axis + WWAN Antenna 10~17 + Adapter
2	EUT in X axis + WWAN Antenna 10~13 and 18~21 + Adapter
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.
1	EUT in X axis_Non-beamforming Mode
2	EUT in X axis_Beamforming Mode



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
	After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.
1	EUT in X axis_WLAN 2.4GHz + WLAN 5GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + WWAN (Antenna 10~17)
2	WLAN 2.4GHz + WLAN 5GHz + WLAN 6GHz + WWAN (Antenna 10~13 and 18~21)
Refer to Sporton Test Report No.: FA662919 for Co-location RF Exposure Evaluation.	

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

During the test, the following programs under WIN 10 were executed.

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by Client and transmit duty cycle no less than 98%.

For Normal Link Mode:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	AT&T	EPS72R0-16	Input: 120 V~1.8 A, 60 Hz Output: 12 V, 6 A, 72W

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	SIM Card	Anritsu	N/A	N/A
B	Flash disk3.0	Kingston	DTMC3/32G	N/A
C	Phone1	PHILIPS	M20	N/A
D	Phone2	PHILIPS	M20	N/A
E	Transceiver	NOKIA	3FE62600DA 01	N/A
F	Transceiver	NOKIA	3FE62600DA 01	N/A
G	Switch	QNAP	QSW-2104-2S	N/A
H	Transceiver	10Gtek	ASF-10G-T	N/A
I	Switch PC	ASUS	S300TA	TX2-RTL8821CE
J	2.4G Device	verizon	CR1000A	N/A
K	5G Device	verizon	CR1000A	N/A
L	6G Device	verizon	CR1000A	N/A
M	ETH Device	WNC	N/A	N/A
N	WWAN Base station	Anritsu	MT8821C	N/A

**For Radiated (below 1GHz) and Radiated (above 1GHz co-location):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	ETH Client	WNC	N/A	N/A
B	10G Switch	QNAP	QSW-2104-2S	N/A
C	10G PC	HP	SGH8190LP1	N/A
D	2.4G Client	verizon	CR1000A	N/A
E	5G Client	verizon	CR1000A	N/A
F	6E Client	verizon	CR1000A	N/A
G	USB Dongle	Kingston	DTMC3/32G	N/A
H	Transceiver	NOKIA	3FE62600DA 01	N/A
I	Transceiver	NOKIA	3FE62600DA 01	N/A
J	Transceiver	10Gtek	ASF-10G-T	N/A
K	5G NR Base Station	Anritsu	MT8000A	N/A
L	Telephone	TENDEL	K-311	N/A
M	Telephone	TENDEL	K-311	N/A
N	SIM Card	Anritsu	Anritsu card	N/A

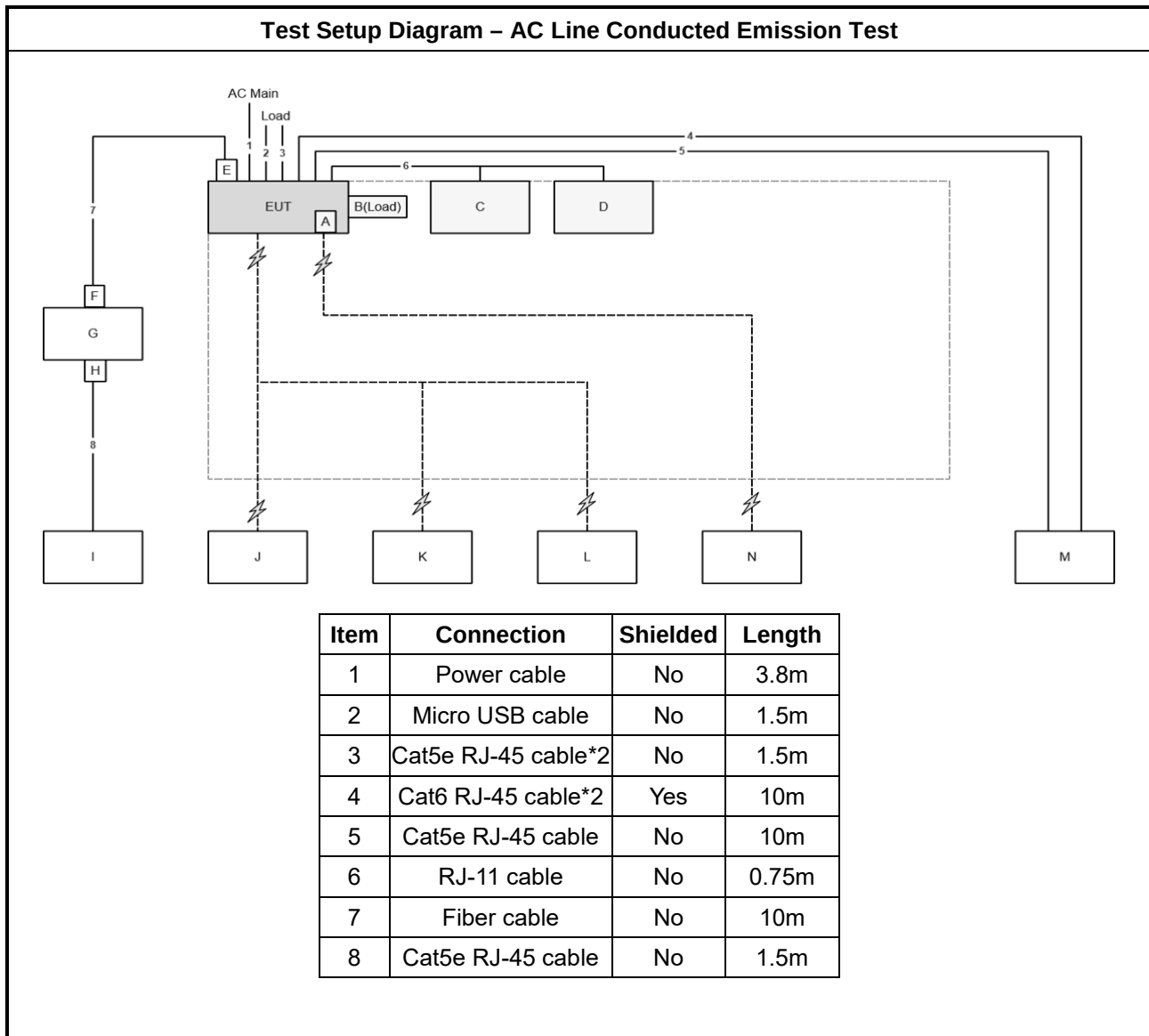
**For Radiated (above 1GHz other tests) and RF Conducted:
Non-beamforming Mode**

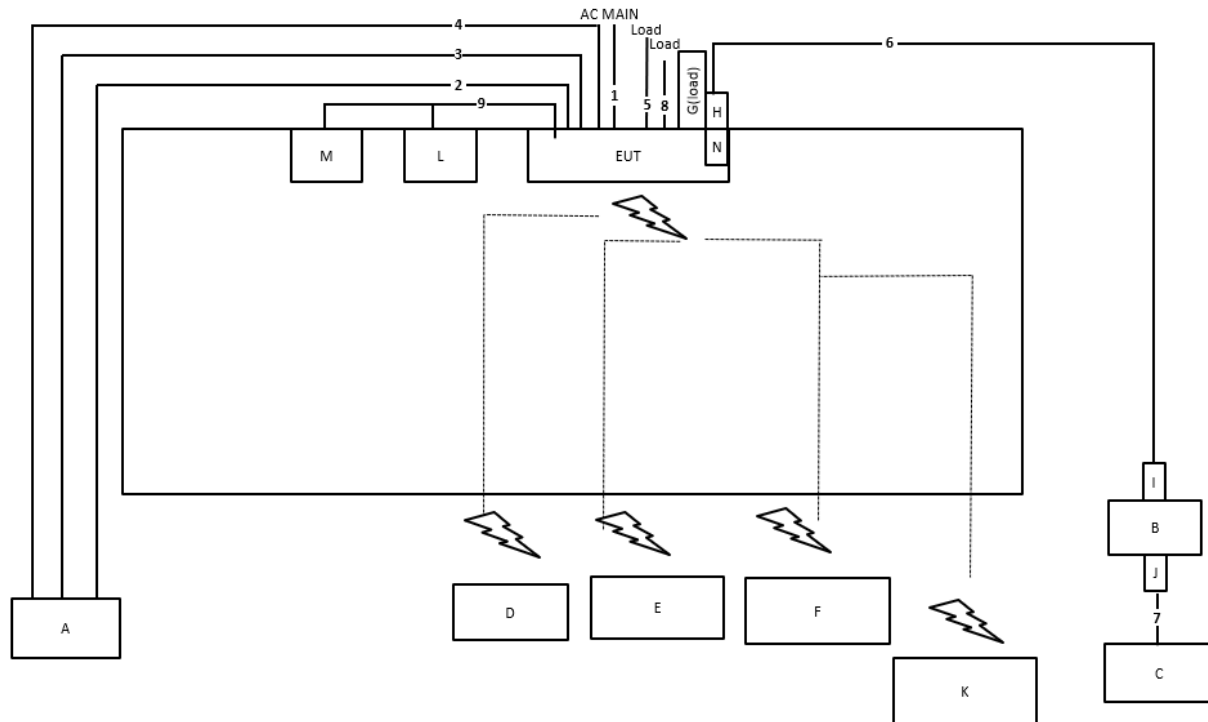
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

Beamforming Mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Client	DELL	BE200	N/A
C	Notebook	DELL	E4300	N/A

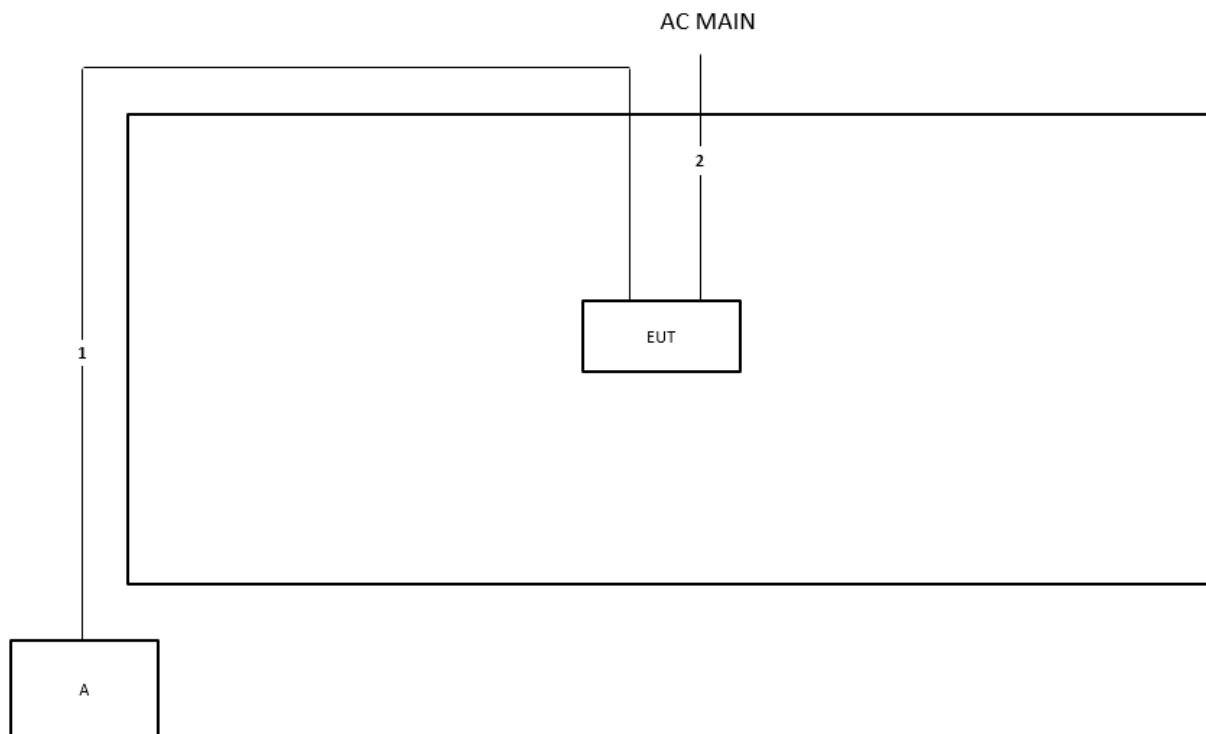
2.6 Test Setup Diagram





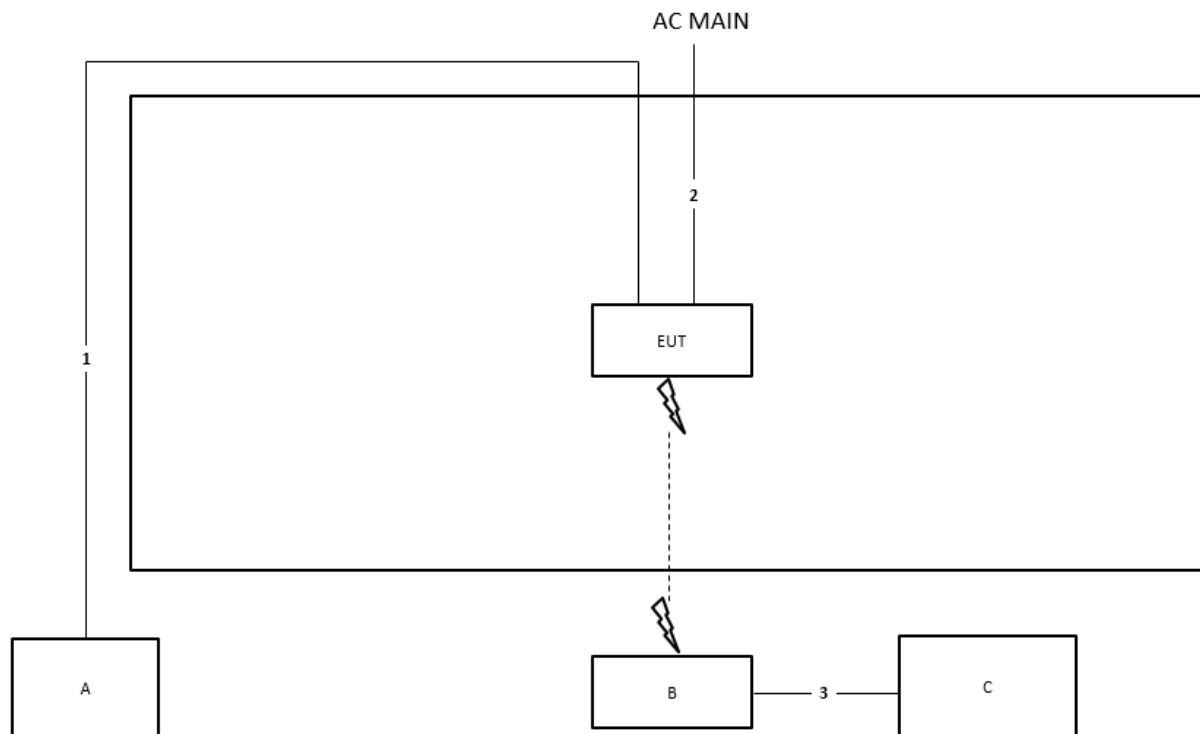
Item	Connection	Shielded	Length
1	Power cable	No	3.8m
2	Cat 6a RJ-45 cable	Yes	10m
3	Cat 6a RJ-45 cable	Yes	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable*2	No	1.5m
6	Fiber cable	No	10m
7	RJ-45 cable	No	1.5m
8	Micro USB cable	Yes	1.5m
9	RJ-11 cable	No	1m

**Test Setup Diagram - Radiated Test > 1GHz
Non-beamforming mode**

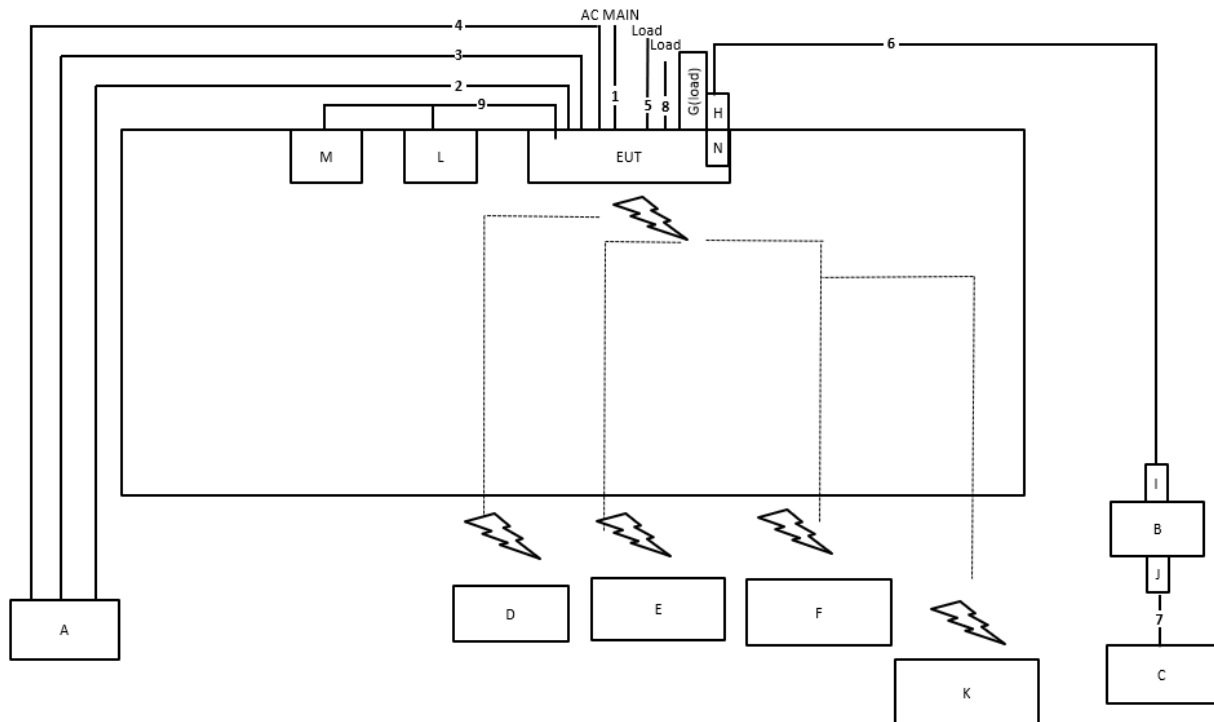


Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	3.8m

**Test Setup Diagram - Radiated Test > 1GHz
Beamforming mode**



Item	Connection	Shielded	Length
1	RJ-45 cable	No	10m
2	Power cable	No	3.8m
3	RJ-45 cable	No	1.5m

Test Setup Diagram - Radiated Emission Co-location


Item	Connection	Shielded	Length
1	Power cable	No	3.8m
2	Cat 6a RJ-45 cable	Yes	10m
3	Cat 6a RJ-45 cable	Yes	10m
4	RJ-45 cable	No	10m
5	RJ-45 cable*2	No	1.5m
6	Fiber cable	No	10m
7	RJ-45 cable	No	1.5m
8	Micro USB cable	Yes	1.5m
9	RJ-11 cable	No	1m



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

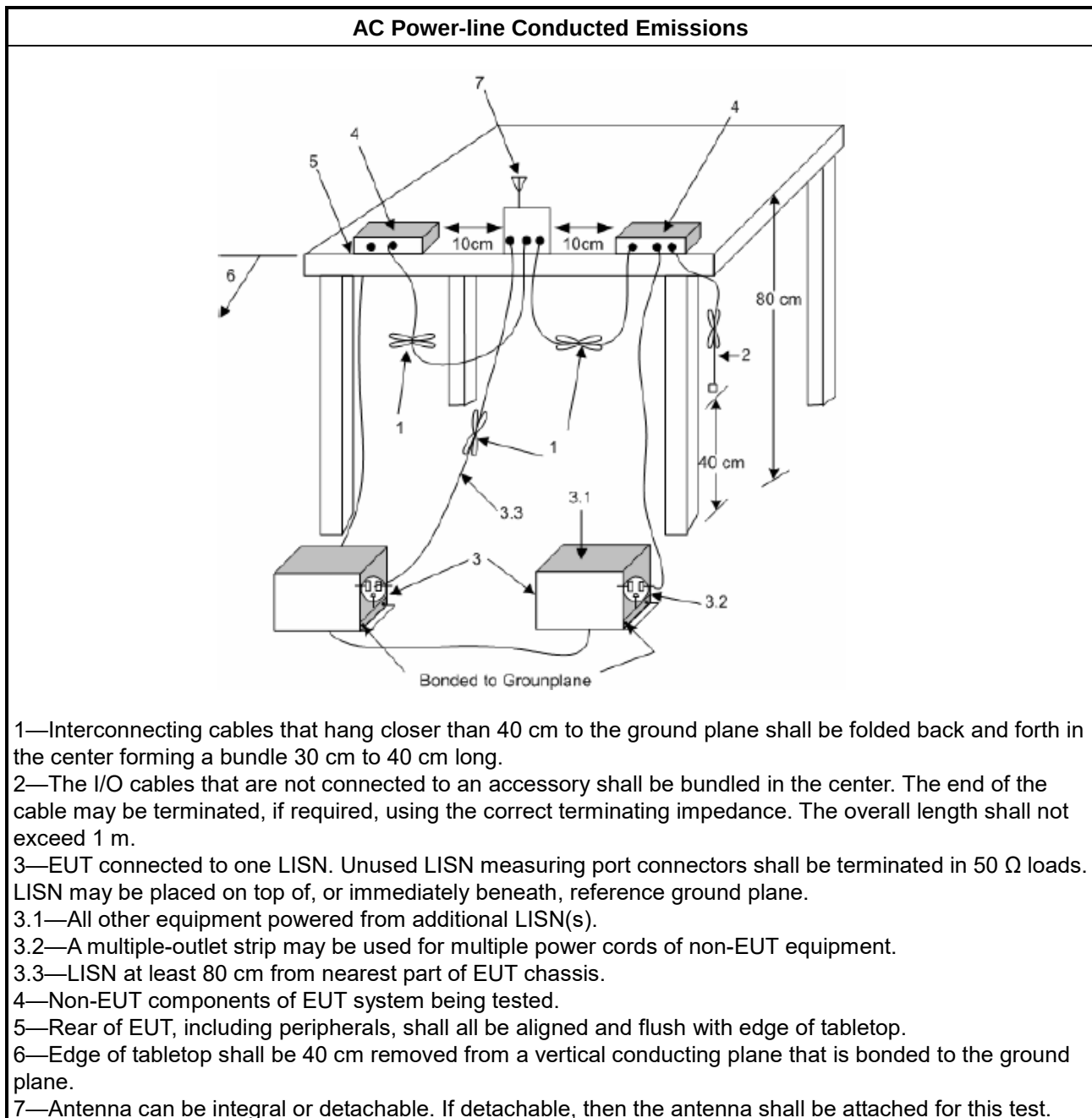
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

Test Method
☒ Refer as ANSI C63.10-2020, clause 6.2 for AC power-line conducted emissions.

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level
- Margin = -Limit + Level

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz.
☒	For the 5.725-5.85 GHz band, 26 dB emission bandwidth ,N/A. 6 dB emission bandwidth $\geq 500\text{kHz}$.
LE-LAN Devices	
☐	For the band 5.15-5.25 GHz, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz.
☐	For the 5.25-5.35 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.47-5.725 GHz band, the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz
☐	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq 500\text{kHz}$.

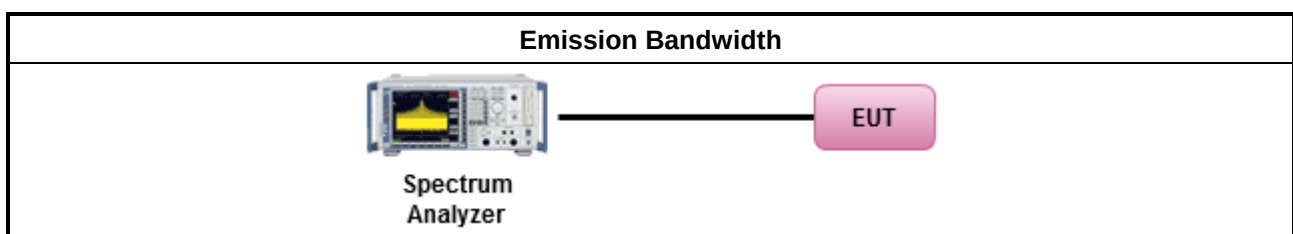
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	Refer as FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Output Power

3.3.1 Limit

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



☐	For the 5.47-5.725 GHz band:
	- The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log 10 B$, dBm, and the maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log B$, dBm, whichever power is less. B is the 99% emission bandwidth in MHz. - Equipment with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.
☐	For the 5.725-5.85 GHz band:
	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

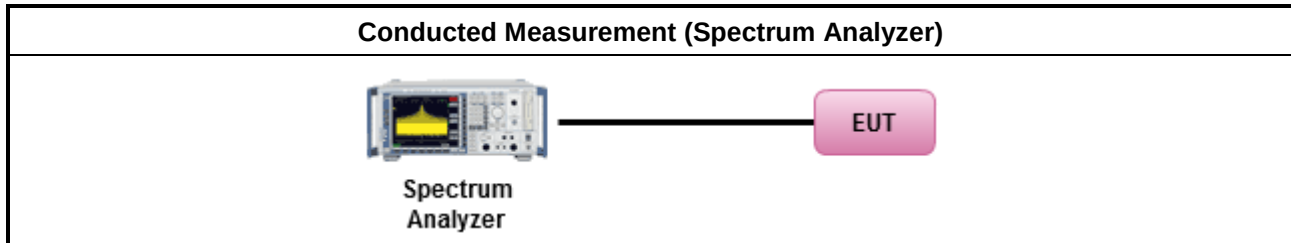
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

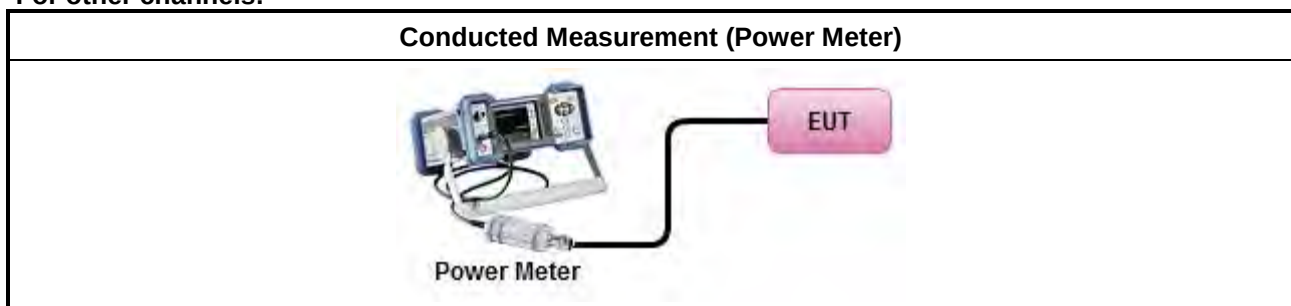
Test Method	
Maximum Output Power	
	Average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
☒	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒	For conducted measurement.
	- If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them. - If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$
☐	For radiated measurement.
	- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

For Straddle channel:



For other channels:



3.3.5 Test Result of Maximum Output Power

Refer as Appendix C



3.4 Power Spectral Density

3.4.1 Limit

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

3.4.2 Measuring Instruments

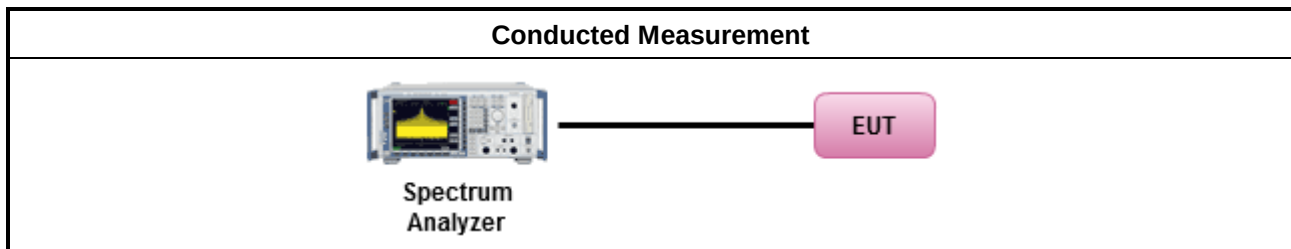
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☒ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below:	
☒	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	
☐ For radiated measurement.	
- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

3.4.4 Test Setup



3.4.5 Test Result of Power Spectral Density

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
☒ 5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
☒ 5.725 - 5.85 GHz	all emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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



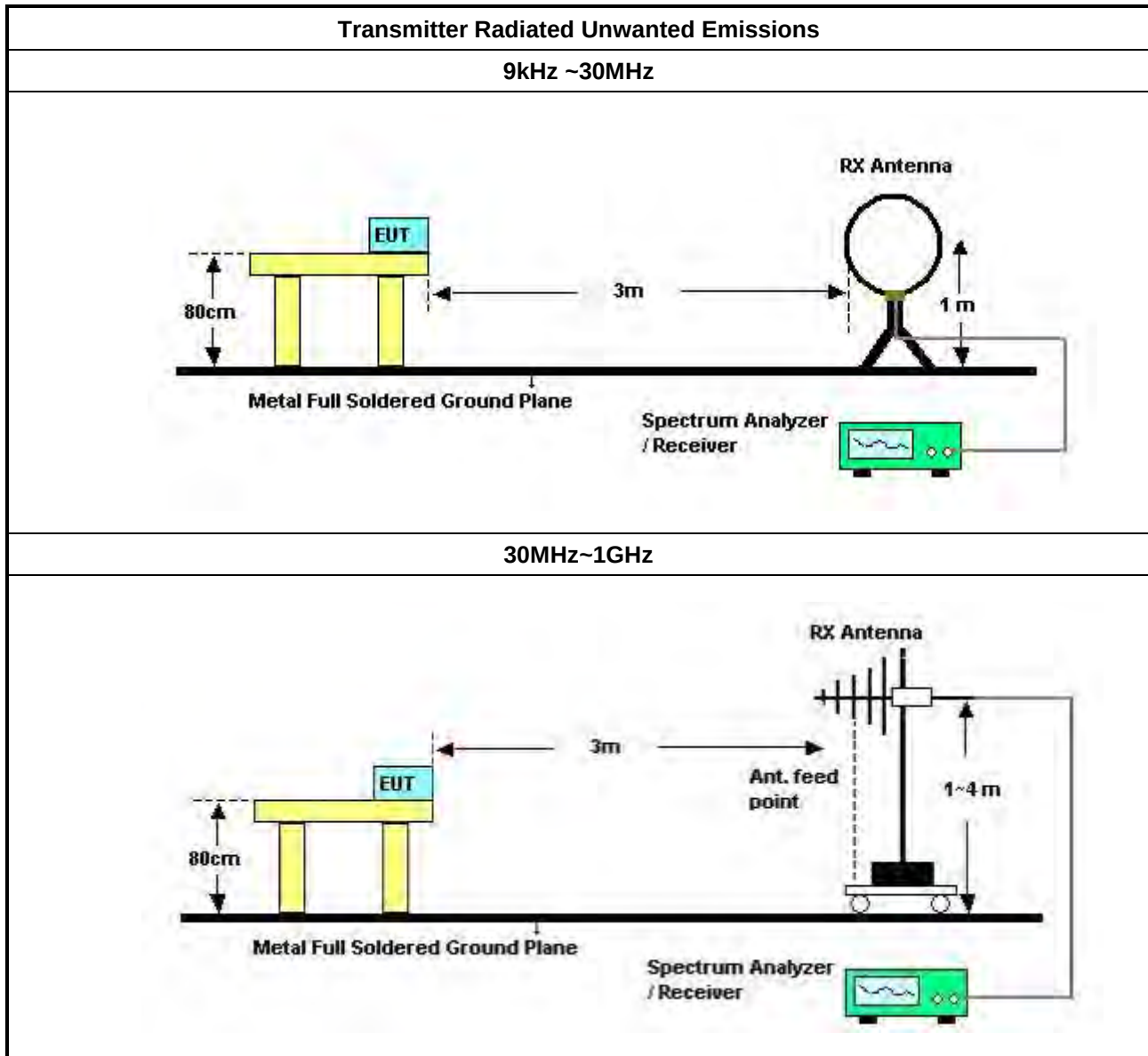
3.5.2 Measuring Instruments

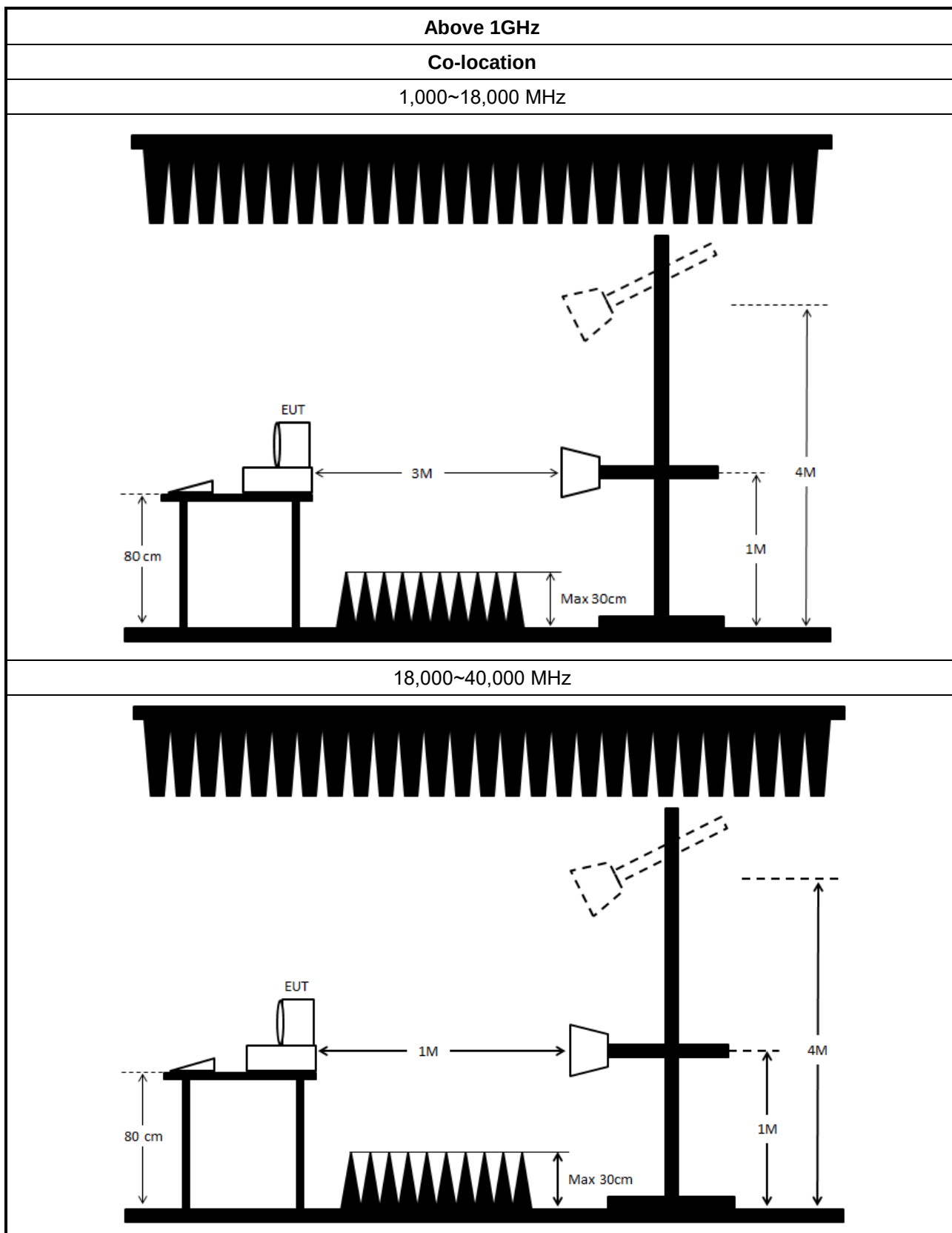
Refer a test equipment and calibration data table in this test report.

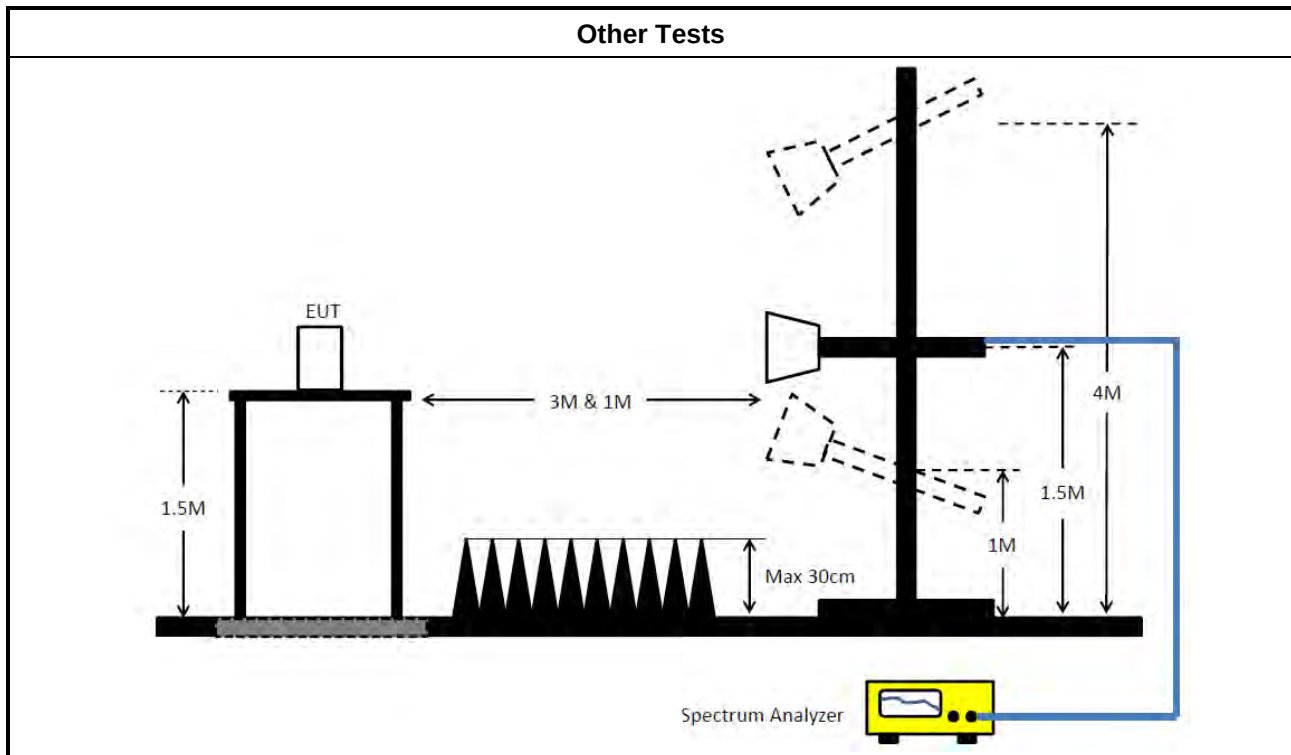
3.5.3 Test Procedures

Test Method	
Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☐ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging).
	☒ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☐ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup







3.5.5 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = Level.

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to KDB414788 Radiated Test Site, and the result came out very similar.

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

The radiated emissions were investigated from 9 kHz or the lowest frequency generated within the device, up to the 10th harmonic or 40 GHz, whichever is appropriate.

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Mar. 12, 2026	Mar. 11, 2027	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 04, 2026	Feb. 03, 2027	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 10, 2026	Apr. 09, 2027	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
COND Cable	Woken	Cable	CO01	9kHz ~ 30MHz	Sep. 14, 2025	Sep. 13, 2026	Conduction (CO01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30MHz	Oct. 20, 2025	Oct. 19, 2026	Radiation (03CH01-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz~1 GHz	Jan. 15, 2026	Jan. 14, 2027	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 02, 2026	May 01, 2027	Radiation (03CH01-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 13, 2026	Feb. 12, 2027	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1370	1GHz~18GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 20, 2026	Jun. 19, 2027	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 15, 2026	May 14, 2027	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2025	Dec. 11, 2026	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 29, 2025	Oct. 28, 2026	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz~1 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Jan. 26, 2026	Jan. 25, 2027	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.10	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 13, 2026	Feb. 12, 2027	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 31, 2025	Dec. 30, 2026	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 13, 2026	Jan. 12, 2027	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 30, 2026	Mar. 29, 2027	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Apr. 24, 2026	Apr. 23, 2027	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Apr. 24, 2026	Apr. 23, 2027	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 21, 2026	Mar. 20, 2027	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 24, 2026	Apr. 23, 2027	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 27, 2026	Jun. 26, 2027	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 20, 2025	Aug. 19, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 18, 2026	Jun. 17, 2027	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 18, 2026	Jun. 17, 2027	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 01, 2026	Apr. 30, 2027	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Feb. 06, 2026	Feb. 05, 2027	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 28, 2025	Jun. 27, 2026	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 27, 2026	Jun. 26, 2027	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jul. 17, 2025	Jul. 16, 2026	Radiation (03CH03-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Jun. 04, 2026	Jun. 03, 2027	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 22, 2025	Aug. 21, 2026	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Oct. 07, 2025	Oct. 06, 2026	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 30, 2025	Jul. 29, 2026	Radiation (03CH06-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 29, 2026	Jul. 28, 2027	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 21, 2025	Nov. 20, 2026	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 27, 2025	Aug. 26, 2026	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Sep. 25, 2025	Sep. 24, 2026	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Feb. 11, 2026	Feb. 10, 2027	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV3044	101320	9kHz ~ 44GHz	Aug. 07, 2025	Aug. 06, 2026	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~18 GHz	Sep. 20, 2025	Sep. 19, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Sep. 30, 2025	Sep. 29, 2026	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jul. 07, 2026	Jul. 06, 2027	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	MY45100745	50MHz~18GHz	Jun. 24, 2026	Jun. 23, 2027	Conducted (TH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 27	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

NCR means Non-Calibration required.



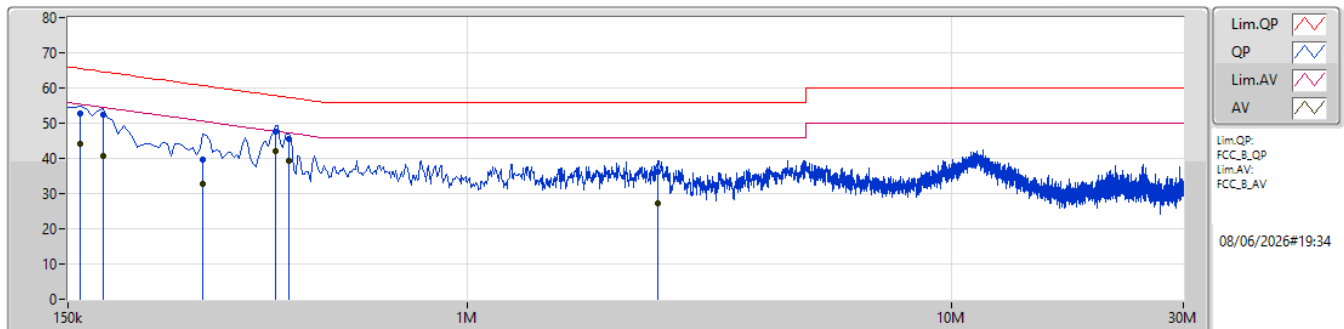
Conducted Emissions at Powerline

Appendix A

Summary

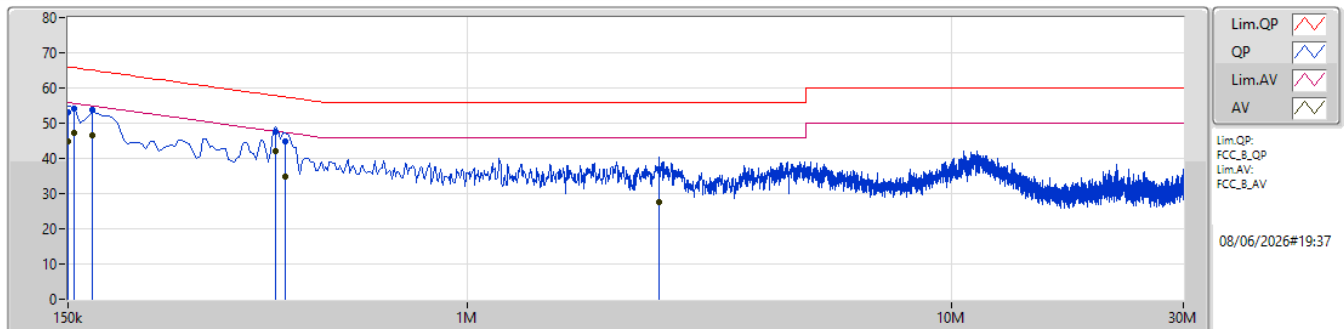
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	402k	42.15	47.82	-5.67	Line

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	159k	52.63	65.52	-12.89	10.02	Line	-	42.61	0.08	0.09	9.85						
AV	159k	44.10	55.52	-11.42	10.02	Line	-	34.08	0.08	0.09	9.85						
QP	177k	52.45	64.62	-12.17	9.97	Line	-	42.48	0.08	0.08	9.81						
AV	177k	40.74	54.62	-13.88	9.97	Line	-	30.77	0.08	0.08	9.81						
QP	285k	39.73	60.67	-20.94	10.00	Line	-	29.73	0.08	0.09	9.83						
AV	285k	32.90	50.67	-17.77	10.00	Line	-	22.90	0.08	0.09	9.83						
QP	402k	47.61	57.82	-10.21	10.10	Line	-	37.51	0.08	0.12	9.90						
AV	402k	42.15	47.82	-5.67	10.10	Line	"Worst"	32.05	0.08	0.12	9.90						
QP	429k	45.44	57.28	-11.84	10.10	Line	-	35.34	0.08	0.12	9.90						
AV	429k	39.14	47.28	-8.14	10.10	Line	-	29.04	0.08	0.12	9.90						
QP	2.477M	36.09	56.00	-19.91	10.02	Line	-	26.07	0.13	0.14	9.75						
AV	2.477M	27.26	46.00	-18.74	10.02	Line	-	17.24	0.13	0.14	9.75						

Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	150k	52.94	66.00	-13.06	10.04	Neutral	-	42.90	0.06	0.10	9.88						
AV	150k	44.85	56.00	-11.15	10.04	Neutral	-	34.81	0.06	0.10	9.88						
QP	154.5k	54.10	65.75	-11.65	10.01	Neutral	-	44.09	0.06	0.09	9.86						
AV	154.5k	47.38	55.75	-8.37	10.01	Neutral	-	37.37	0.06	0.09	9.86						
QP	168k	53.78	65.06	-11.28	9.97	Neutral	-	43.81	0.06	0.08	9.83						
AV	168k	46.40	55.06	-8.66	9.97	Neutral	-	36.43	0.06	0.08	9.83						
QP	402k	47.73	57.82	-10.09	10.08	Neutral	-	37.65	0.06	0.12	9.90						
AV	402k	42.11	47.82	-5.71	10.08	Neutral	"Worst"	32.03	0.06	0.12	9.90						
QP	420k	44.70	57.45	-12.75	10.08	Neutral	-	34.62	0.06	0.12	9.90						
AV	420k	34.80	47.45	-12.65	10.08	Neutral	-	24.72	0.06	0.12	9.90						
QP	2.486M	36.74	56.00	-19.26	9.98	Neutral	-	26.76	0.09	0.14	9.75						
AV	2.486M	27.61	46.00	-18.39	9.98	Neutral	-	17.63	0.09	0.14	9.75						

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	34.155M	17.751M	17M8D1D	21.34M	16.766M
802.11ax HEW20_Nss1,(MCS0)_4TX	35.42M	19.22M	19M2D1D	21.615M	19.024M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	45.155M	20.824M	20M8D1D	29.865M	19.177M
802.11ax HEW40_Nss1,(MCS0)_4TX	44.55M	37.875M	37M9D1D	40.15M	37.749M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	85.03M	38.225M	38M2D1D	40.92M	37.773M
802.11ax HEW80_Nss1,(MCS0)_4TX	85.14M	77.293M	77M3D1D	81.84M	77.209M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	136.84M	78.289M	78M3D1D	106.7M	77.577M
802.11ax HEW160_Nss1,(MCS0)_4TX	82.32M	77.354M	77M4D1D	80.72M	77.155M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.2M	77.414M	77M4D1D	80.8M	77.299M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.64M	16.857M	16M9D1D	21.34M	16.781M
802.11ax HEW20_Nss1,(MCS0)_4TX	24.09M	19.161M	19M2D1D	21.01M	19.034M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.145M	19.107M	19M1D1D	21.34M	19.032M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.54M	37.864M	37M9D1D	40.04M	37.727M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	45.32M	37.867M	37M9D1D	40.37M	37.73M
802.11ax HEW80_Nss1,(MCS0)_4TX	91.52M	77.464M	77M5D1D	82.06M	77.301M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	84.92M	77.621M	77M6D1D	83.38M	77.286M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.76M	77.365M	77M4D1D	81.52M	77.328M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.68M	77.413M	77M4D1D	80.88M	77.336M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.1M	16.954M	17M0D1D	15.69M	13.503M
802.11ax HEW20_Nss1,(MCS0)_4TX	24.475M	19.102M	19M1D1D	16.245M	14.545M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.31M	19.134M	19M1D1D	16.125M	14.521M
802.11ax HEW40_Nss1,(MCS0)_4TX	47.96M	37.909M	37M9D1D	35.42M	33.734M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	49.61M	37.892M	37M9D1D	34.895M	33.776M
802.11ax HEW80_Nss1,(MCS0)_4TX	84.26M	77.466M	77M5D1D	75.975M	73.182M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	86.9M	77.52M	77M5D1D	75.525M	73.223M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.56M	156.312M	156MD1D	163.24M	156.054M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165M	156.343M	156MD1D	162.8M	156.087M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.555M	17.95M	18M0D1D	3.14M	4.531M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.195M	19.546M	19M5D1D	4.4M	5.104M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.085M	20.462M	20M5D1D	4.14M	5.006M
802.11ax HEW40_Nss1,(MCS0)_4TX	38.06M	38.164M	38M2D1D	3.94M	9.788M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.06M	38.244M	38M2D1D	3.82M	8.751M
802.11ax HEW80_Nss1,(MCS0)_4TX	78.1M	77.4M	77M4D1D	3.96M	17.377M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	77.88M	77.899M	77M9D1D	3.44M	15.658M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	22.495M	16.766M	22.055M	16.768M	21.835M	16.794M	21.34M	16.808M
5200MHz	Pass	Inf	26.51M	17.048M	26.895M	17.121M	25.355M	16.911M	26.29M	16.917M
5240MHz	Pass	Inf	34.155M	17.751M	31.24M	17.319M	28.27M	17.144M	27.06M	16.973M
5260MHz	Pass	Inf	21.56M	16.816M	21.725M	16.799M	21.945M	16.857M	22.66M	16.781M
5300MHz	Pass	Inf	21.34M	16.805M	21.945M	16.838M	24.64M	16.802M	21.56M	16.784M
5320MHz	Pass	Inf	21.89M	16.804M	21.505M	16.818M	21.34M	16.854M	21.45M	16.83M
5500MHz	Pass	Inf	21.285M	16.954M	21.395M	16.835M	22.22M	16.84M	21.395M	16.779M
5580MHz	Pass	Inf	21.175M	16.766M	22.385M	16.852M	23.1M	16.845M	21.065M	16.794M
5700MHz	Pass	Inf	20.955M	16.689M	21.175M	16.654M	21.01M	16.66M	21.065M	16.633M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	13.506M	15.765M	13.503M	15.69M	13.532M	16.32M	13.532M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.2M	4.531M	3.14M	4.597M	3.2M	4.557M	3.2M	4.616M
5745MHz	Pass	500k	16.335M	16.977M	16.555M	16.965M	16.555M	16.991M	16.06M	17.063M
5785MHz	Pass	500k	16.335M	17.021M	16.335M	16.877M	16.39M	17.069M	16.335M	16.929M
5825MHz	Pass	500k	16.39M	17.95M	16.5M	17.588M	16.5M	17.801M	16.06M	17.346M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.89M	19.079M	21.89M	19.049M	23.1M	19.024M	22.935M	19.034M
5200MHz	Pass	Inf	23.595M	19.07M	23.485M	19.037M	21.615M	19.063M	21.945M	19.075M
5240MHz	Pass	Inf	35.42M	19.22M	29.425M	19.196M	30.965M	19.115M	25.3M	19.156M
5260MHz	Pass	Inf	21.56M	19.043M	21.835M	19.106M	21.67M	19.036M	23.43M	19.063M
5300MHz	Pass	Inf	22.605M	19.081M	21.34M	19.034M	21.615M	19.161M	21.01M	19.097M
5320MHz	Pass	Inf	24.09M	19.081M	21.835M	19.079M	21.615M	19.117M	21.45M	19.049M
5500MHz	Pass	Inf	21.56M	19.09M	21.615M	19.052M	24.475M	19.042M	22.77M	19.055M
5580MHz	Pass	Inf	21.56M	19.066M	21.12M	19.102M	23.705M	19.097M	22.165M	19.093M
5700MHz	Pass	Inf	21.45M	19.048M	21.505M	19.009M	21.01M	18.984M	20.9M	19.003M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.085M	14.56M	18.465M	14.606M	17.25M	14.581M	16.245M	14.545M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.4M	5.153M	4.48M	5.173M	4.42M	5.135M	4.52M	5.104M
5745MHz	Pass	500k	19.085M	19.061M	18.755M	19.047M	19.14M	19.064M	19.195M	19.091M
5785MHz	Pass	500k	19.085M	19.147M	19.085M	19.129M	19.14M	19.112M	18.755M	19.121M
5825MHz	Pass	500k	14.96M	19.546M	18.975M	19.194M	19.14M	19.285M	19.03M	19.217M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	44.55M	37.875M	41.69M	37.872M	41.36M	37.749M	41.91M	37.749M
5230MHz	Pass	Inf	41.91M	37.767M	41.91M	37.772M	40.15M	37.77M	40.7M	37.809M
5270MHz	Pass	Inf	40.59M	37.808M	42.24M	37.727M	41.25M	37.793M	40.04M	37.817M
5310MHz	Pass	Inf	45.54M	37.864M	41.47M	37.852M	44.77M	37.815M	40.92M	37.745M
5510MHz	Pass	Inf	41.36M	37.909M	47.96M	37.779M	40.81M	37.847M	40.7M	37.81M
5550MHz	Pass	Inf	41.47M	37.816M	40.81M	37.75M	40.48M	37.803M	42.24M	37.797M
5670MHz	Pass	Inf	40.15M	37.786M	41.8M	37.794M	41.25M	37.802M	40.81M	37.762M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.735M	33.734M	35.42M	33.796M	36.47M	33.822M	36.015M	33.817M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.94M	9.788M	4M	9.929M	4.02M	10.188M	4.04M	10.186M
5755MHz	Pass	500k	37.62M	37.865M	36.74M	37.854M	37.51M	37.848M	38.06M	37.833M
5795MHz	Pass	500k	38.06M	38.078M	37.4M	37.983M	36.63M	38.001M	37.95M	38.164M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	85.14M	77.293M	81.84M	77.209M	84.04M	77.255M	82.72M	77.281M
5290MHz	Pass	Inf	91.52M	77.464M	83.38M	77.301M	82.06M	77.381M	86.9M	77.408M
5530MHz	Pass	Inf	81.62M	77.466M	84.26M	77.336M	82.06M	77.246M	84.04M	77.401M
5610MHz	Pass	Inf	84.04M	77.281M	81.84M	77.288M	81.62M	77.405M	81.84M	77.382M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.725M	73.339M	78.6M	73.345M	75.975M	73.182M	76.275M	73.395M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	17.444M	3.96M	18.651M	4.02M	17.377M	4M	18.678M
5775MHz	Pass	500k	75.02M	77.207M	77.22M	77.4M	77M	77.389M	78.1M	77.291M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.32M	77.354M	81.76M	77.155M	80.72M	77.305M	81.12M	77.333M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	81.6M	77.353M	81.76M	77.365M	81.6M	77.328M	81.52M	77.342M
5570MHz	Pass	Inf	164.12M	156.237M	163.24M	156.111M	164.12M	156.054M	164.56M	156.312M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
5180MHz	Pass	Inf	39.49M	20.824M	38.17M	19.344M	39.71M	19.328M	34.43M	19.419M
5200MHz	Pass	Inf	44.33M	19.677M	30.8M	19.271M	32.945M	19.327M	35.365M	19.191M
5240MHz	Pass	Inf	45.155M	19.539M	29.865M	19.177M	30.525M	19.221M	32.34M	19.207M
5260MHz	Pass	Inf	21.67M	19.035M	22.55M	19.069M	22M	19.107M	21.725M	19.064M
5300MHz	Pass	Inf	23.045M	19.086M	23.1M	19.051M	24.145M	19.056M	21.56M	19.083M
5320MHz	Pass	Inf	21.34M	19.073M	22.165M	19.032M	21.615M	19.048M	22.55M	19.084M
5500MHz	Pass	Inf	21.835M	19.095M	21.725M	19.048M	23.265M	19.049M	22M	19.067M
5580MHz	Pass	Inf	24.31M	19.134M	21.45M	19.03M	21.78M	19.074M	21.45M	19.04M
5700MHz	Pass	Inf	20.79M	19.041M	21.065M	18.954M	20.955M	19.032M	21.065M	19.025M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	17.13M	14.525M	16.26M	14.521M	17.16M	14.534M	16.125M	14.558M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.5M	5.006M	4.48M	5.166M	4.14M	5.218M	4.52M	5.006M
5745MHz	Pass	500k	19.085M	19.095M	16.83M	19.205M	19.03M	19.152M	19.03M	19.173M
5785MHz	Pass	500k	16.445M	19.231M	19.03M	19.177M	19.03M	19.136M	19.085M	19.111M
5825MHz	Pass	500k	18.81M	20.462M	18.59M	19.307M	19.03M	19.299M	19.085M	19.24M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	41.25M	37.773M	40.92M	37.816M	41.58M	37.857M	44.55M	37.828M
5230MHz	Pass	Inf	85.03M	38.225M	51.59M	37.993M	66.66M	38.032M	62.48M	37.976M
5270MHz	Pass	Inf	41.03M	37.867M	41.69M	37.73M	42.02M	37.823M	40.37M	37.806M
5310MHz	Pass	Inf	45.32M	37.788M	41.58M	37.798M	43.23M	37.826M	41.58M	37.798M
5510MHz	Pass	Inf	41.8M	37.876M	49.61M	37.892M	44.11M	37.795M	45.43M	37.752M
5550MHz	Pass	Inf	48.62M	37.807M	40.7M	37.806M	41.14M	37.877M	40.59M	37.813M
5670MHz	Pass	Inf	40.81M	37.82M	42.79M	37.861M	41.36M	37.803M	40.81M	37.829M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	34.895M	33.812M	35M	33.796M	35.42M	33.776M	35.42M	33.803M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	9.332M	4M	8.866M	4.08M	8.751M	4.02M	9.558M
5755MHz	Pass	500k	37.73M	37.982M	37.84M	37.965M	38.06M	38.009M	37.95M	37.993M
5795MHz	Pass	500k	38.06M	38.244M	35.75M	37.856M	38.06M	38.085M	37.29M	38.012M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	136.84M	78.289M	118.36M	77.577M	106.7M	77.636M	120.78M	77.743M
5290MHz	Pass	Inf	83.82M	77.369M	84.92M	77.286M	84.7M	77.311M	83.38M	77.621M
5530MHz	Pass	Inf	86.9M	77.427M	80.96M	77.436M	83.16M	77.52M	85.14M	77.323M
5610MHz	Pass	Inf	80.96M	77.313M	81.84M	77.315M	83.38M	77.424M	83.16M	77.236M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	76.65M	73.362M	75.825M	73.223M	75.525M	73.267M	76.125M	73.28M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.98M	18.686M	4.02M	19.127M	4.02M	15.658M	3.44M	16.193M
5775MHz	Pass	500k	77.22M	77.899M	74.8M	77.671M	77.88M	77.671M	77.66M	77.783M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.12M	77.414M	81.12M	77.364M	80.8M	77.355M	81.2M	77.299M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.88M	77.395M	81.36M	77.336M	81.36M	77.413M	81.68M	77.379M
5570MHz	Pass	Inf	165M	156.264M	162.8M	156.087M	164.12M	156.296M	164.56M	156.343M

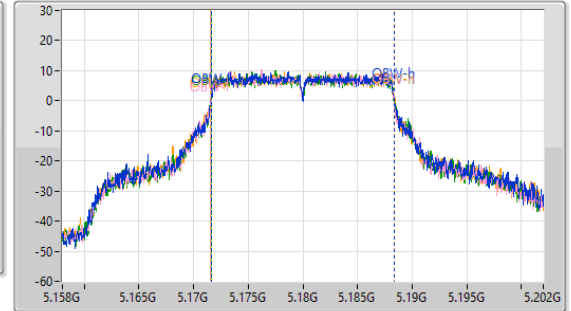
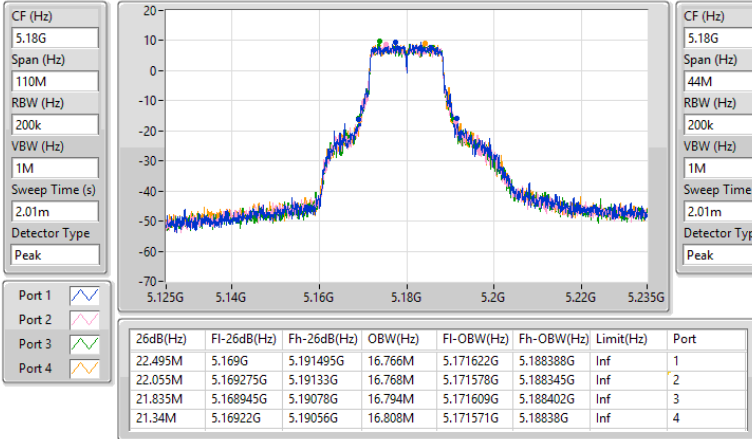
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

30/07/2026

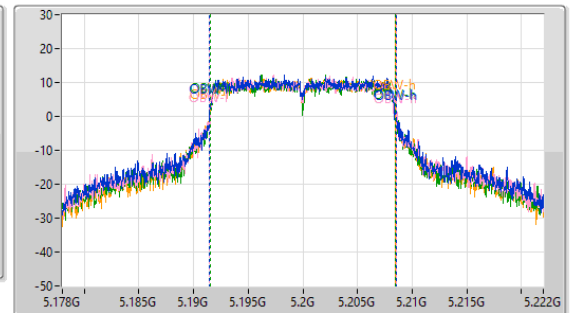
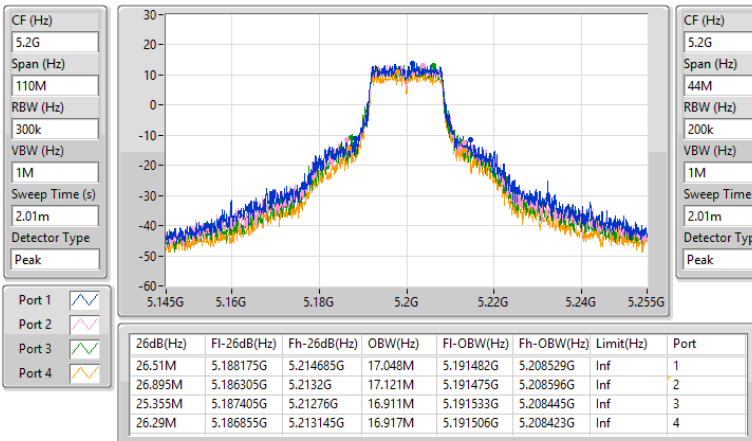


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

30/07/2026

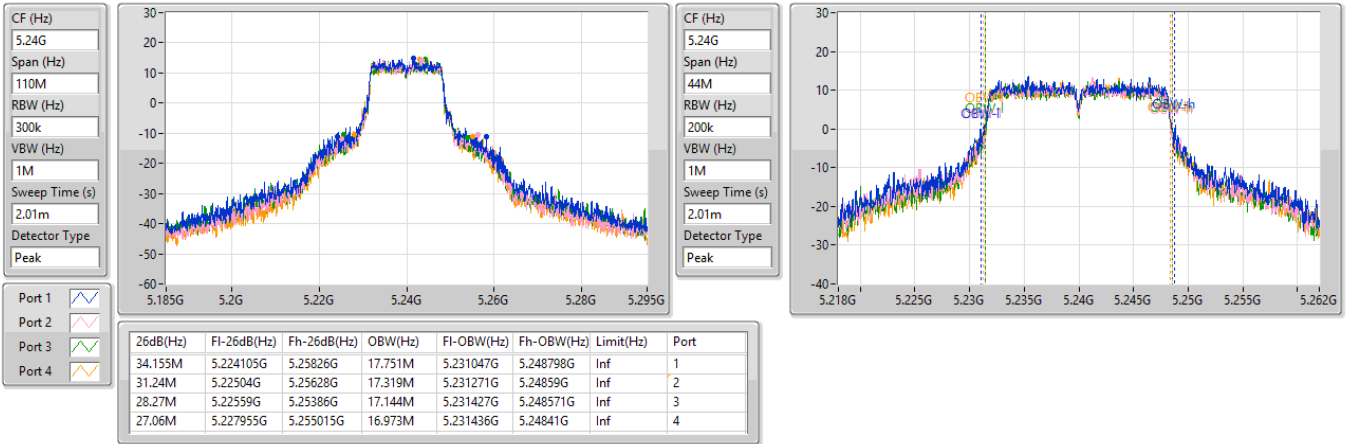


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

30/07/2026

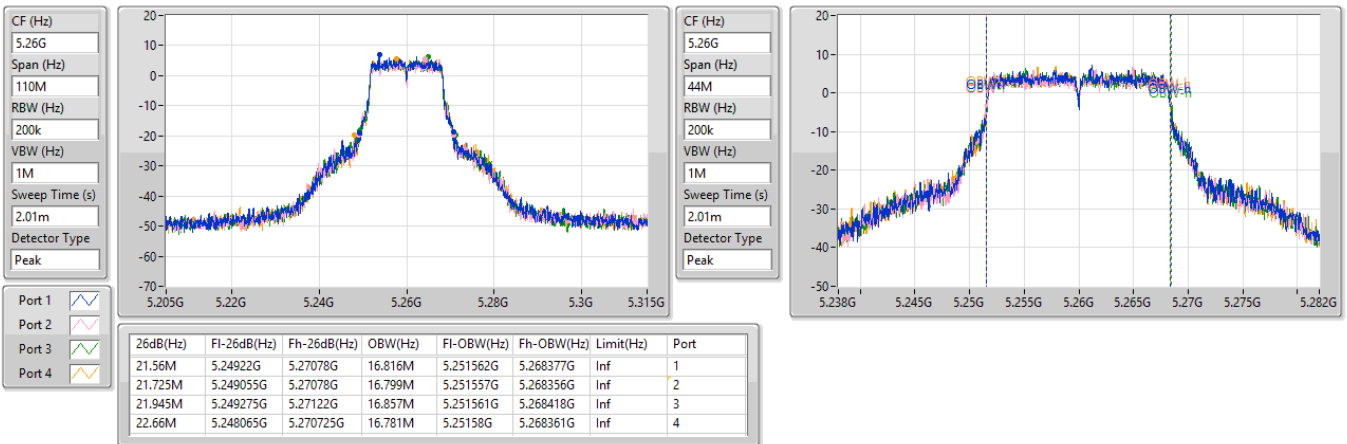


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

30/07/2026

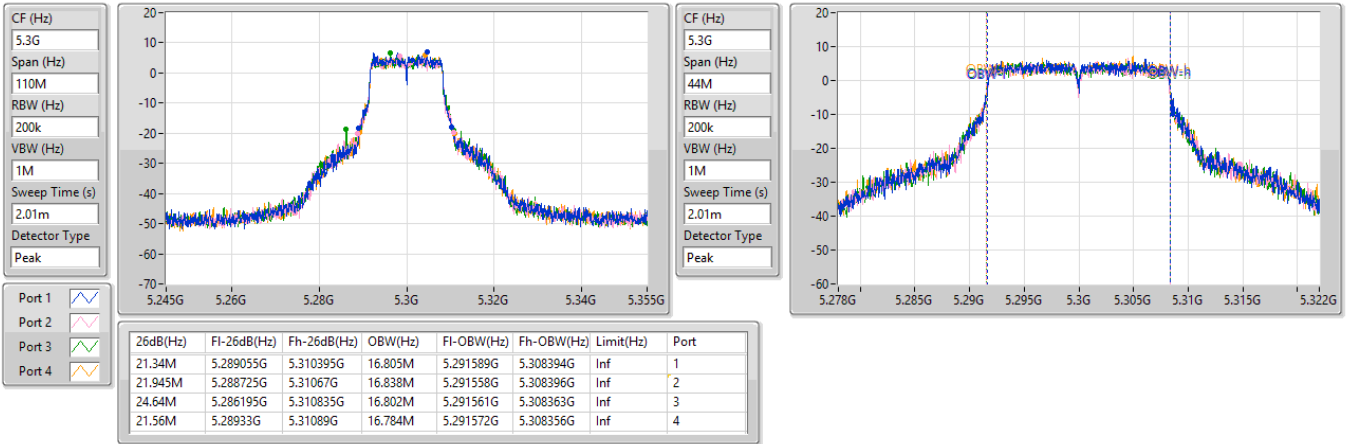


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

30/07/2026

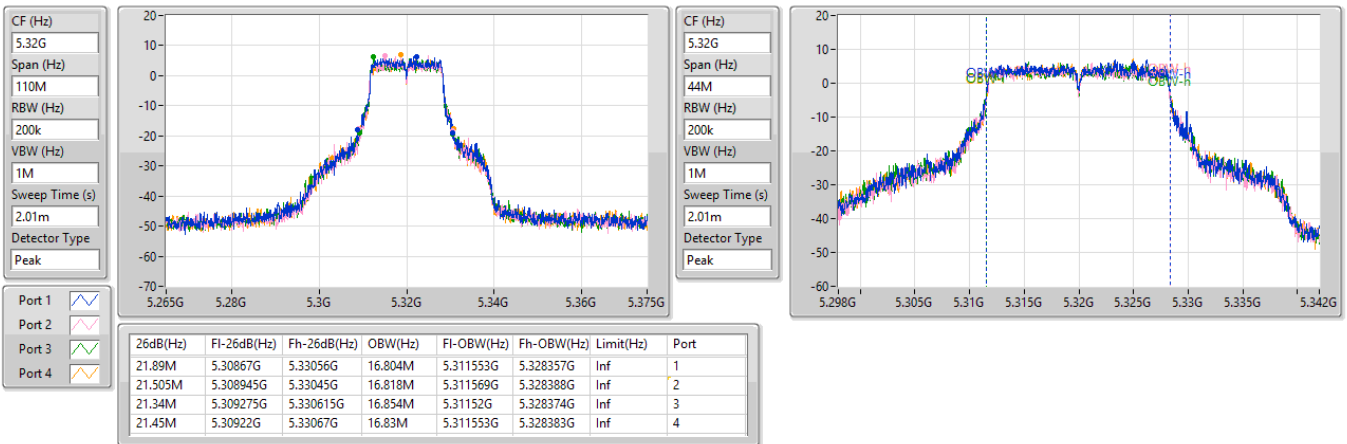


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

30/07/2026

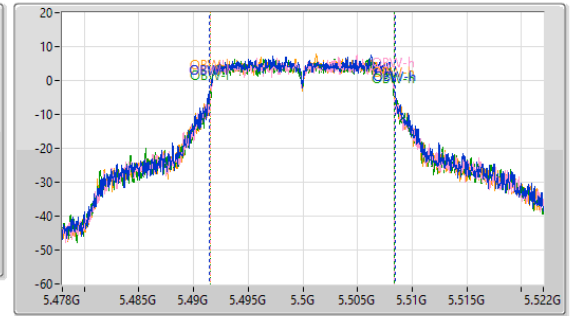
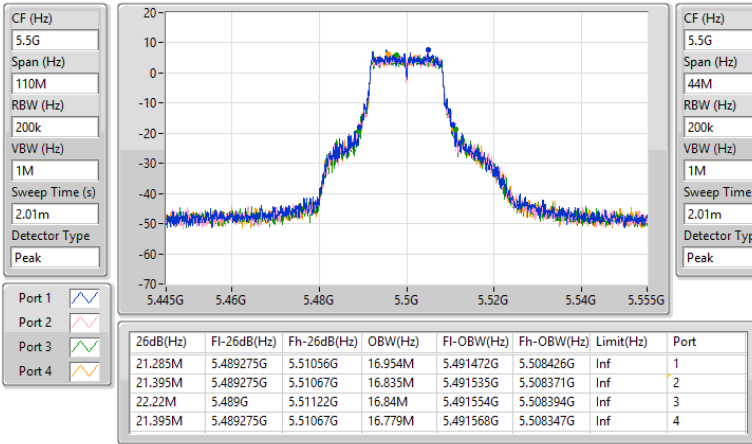


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

30/07/2026

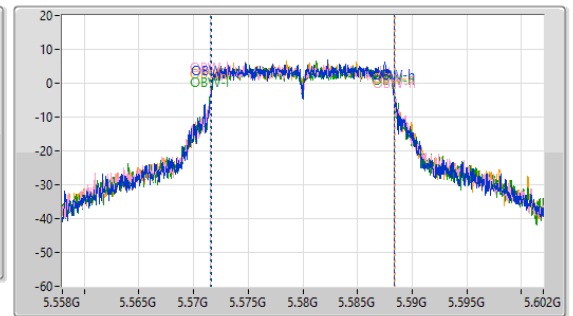
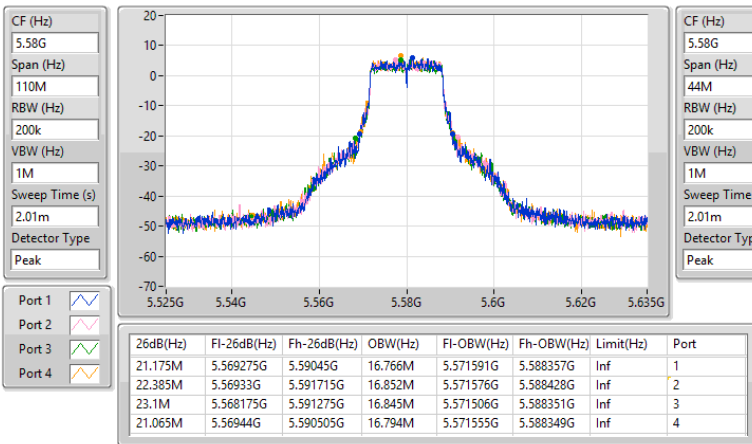


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

30/07/2026

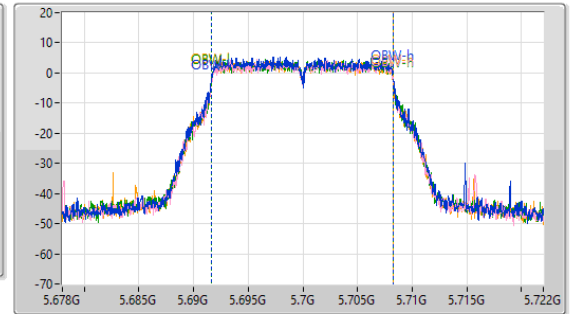
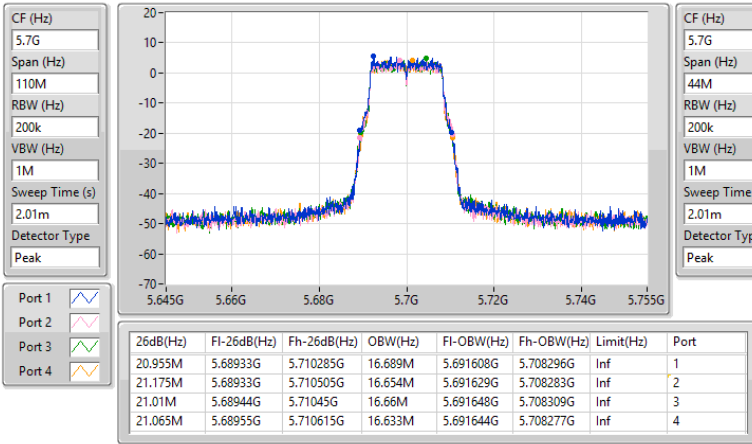


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

30/07/2026

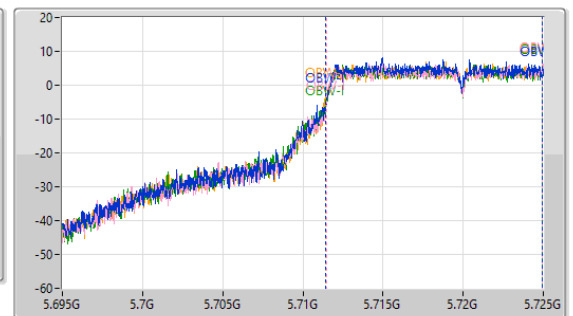
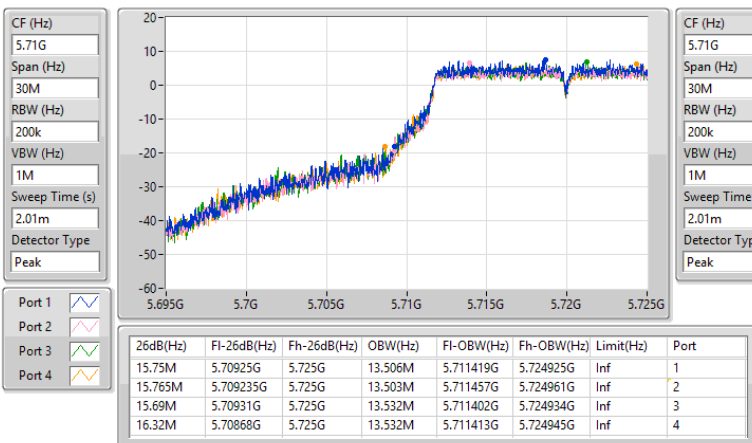


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/07/2026

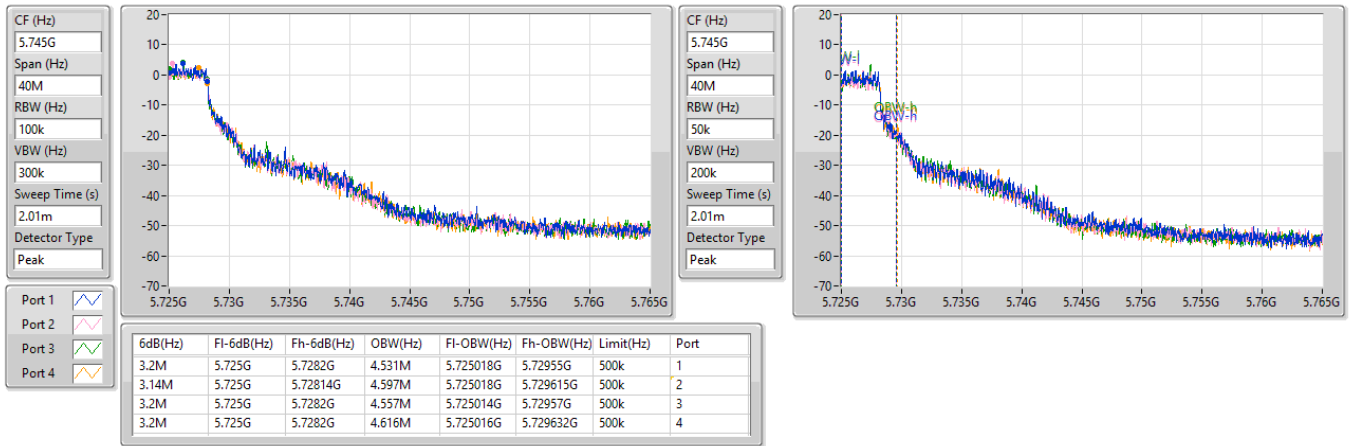


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

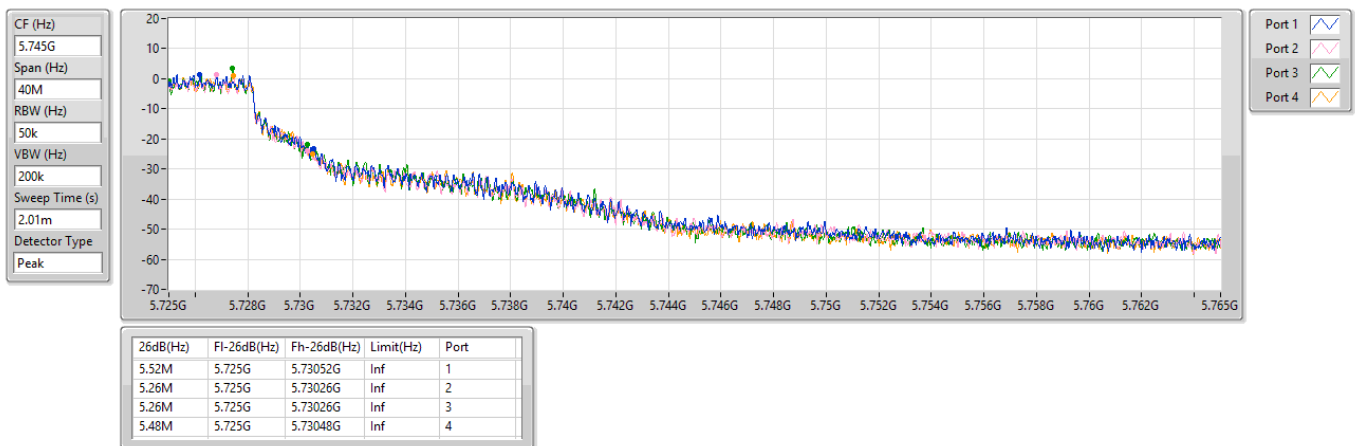


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

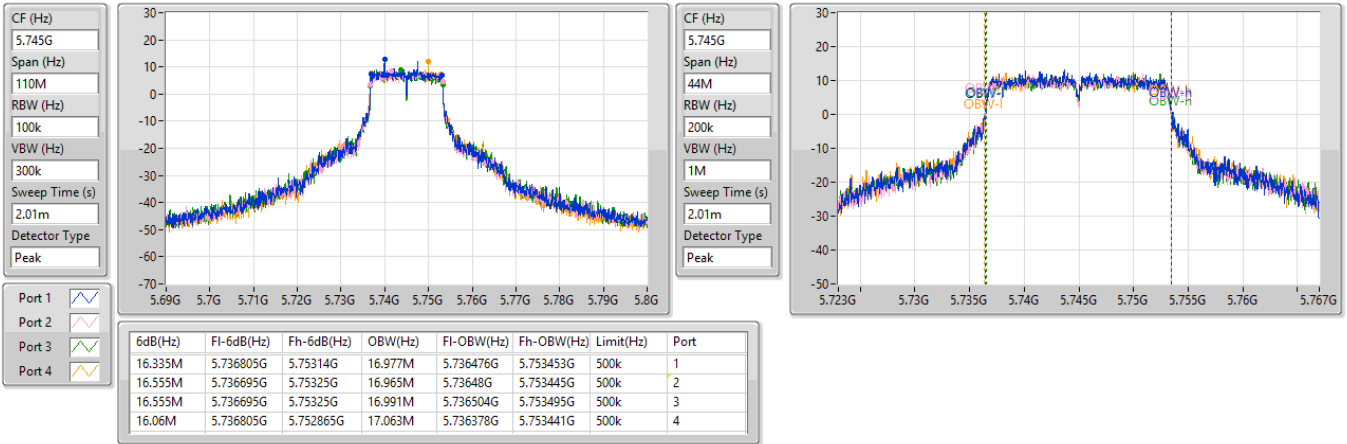


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

30/07/2026

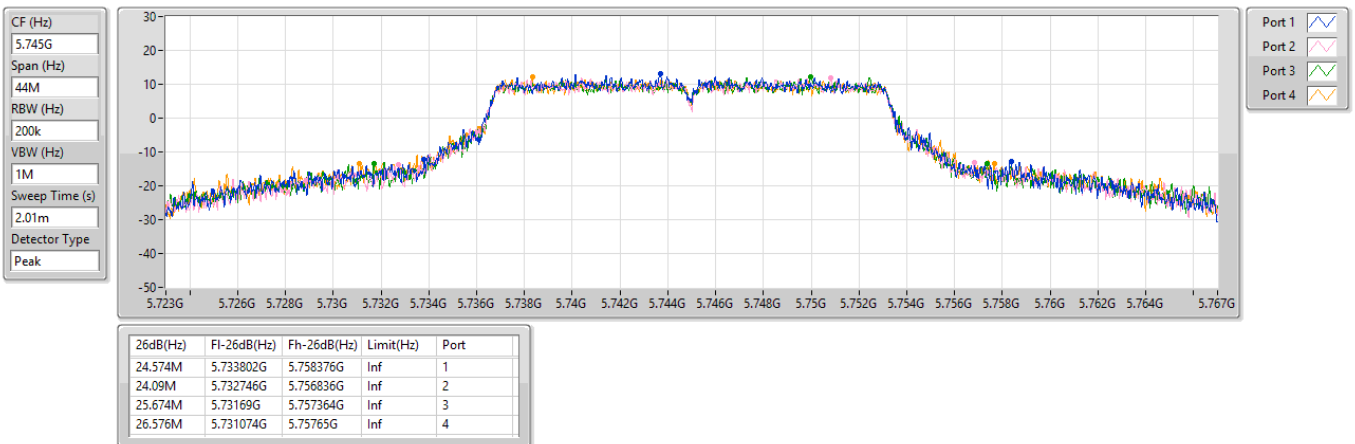


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

30/07/2026

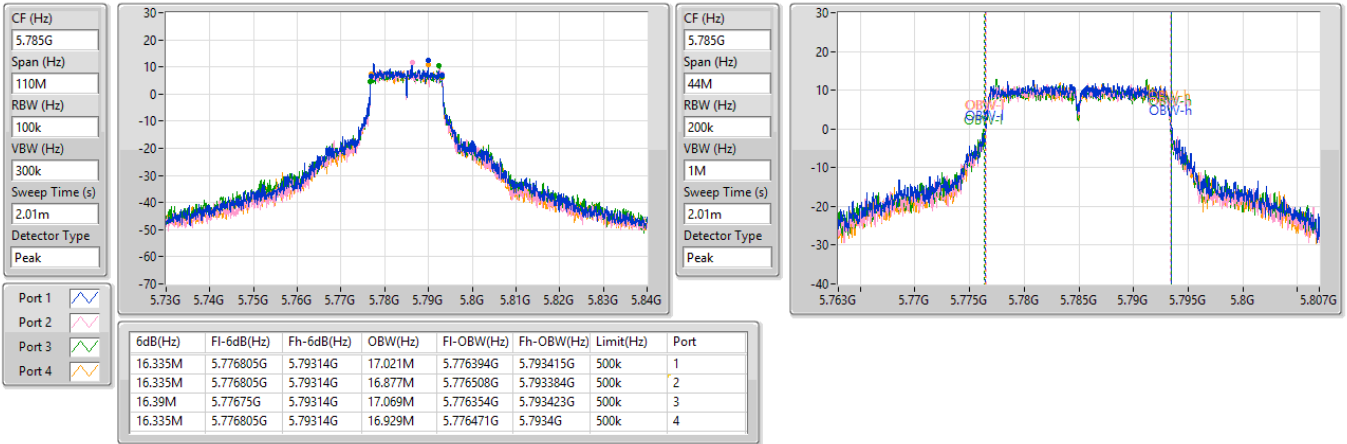


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

30/07/2026

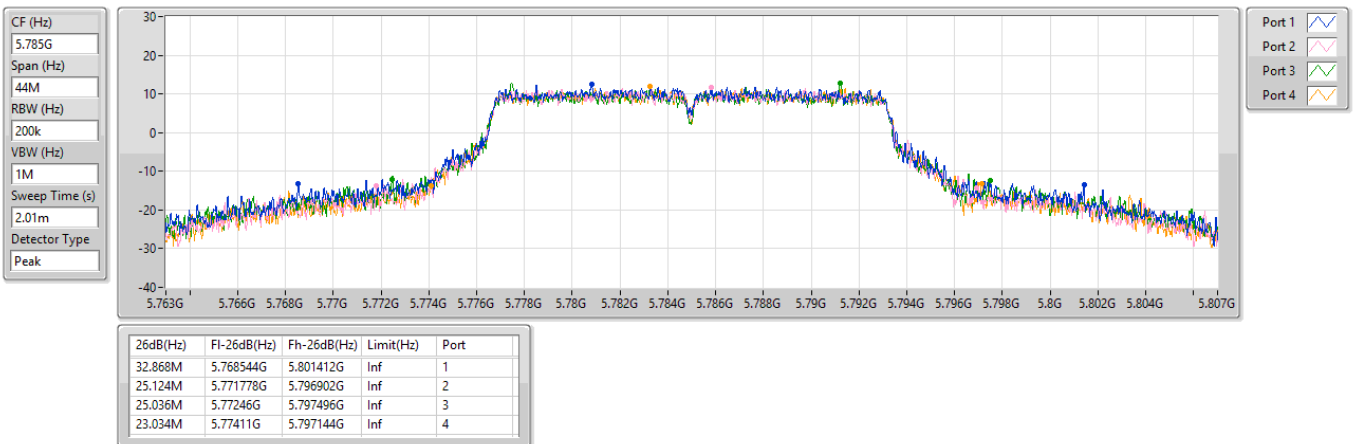


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

30/07/2026

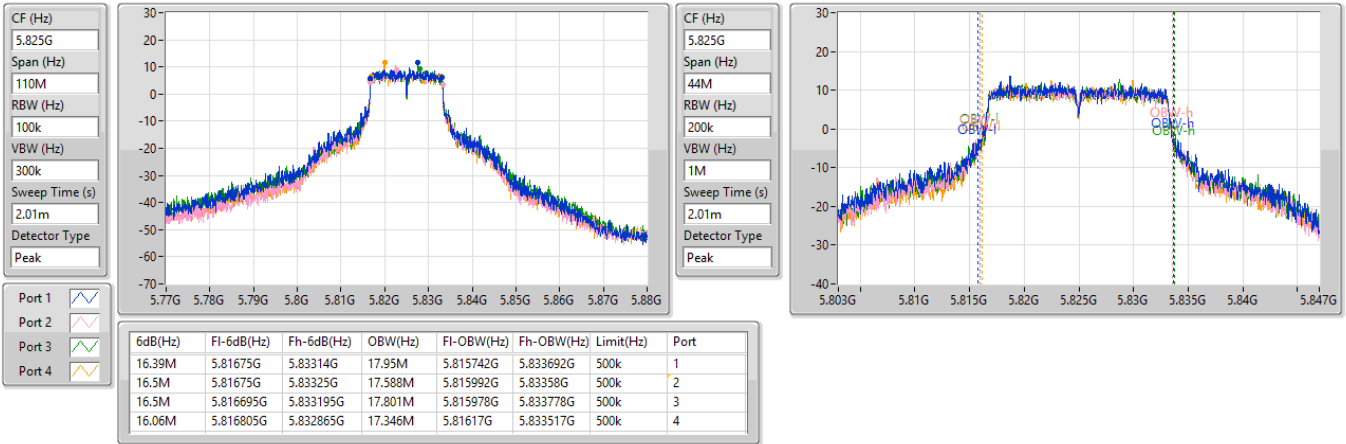


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

30/07/2026

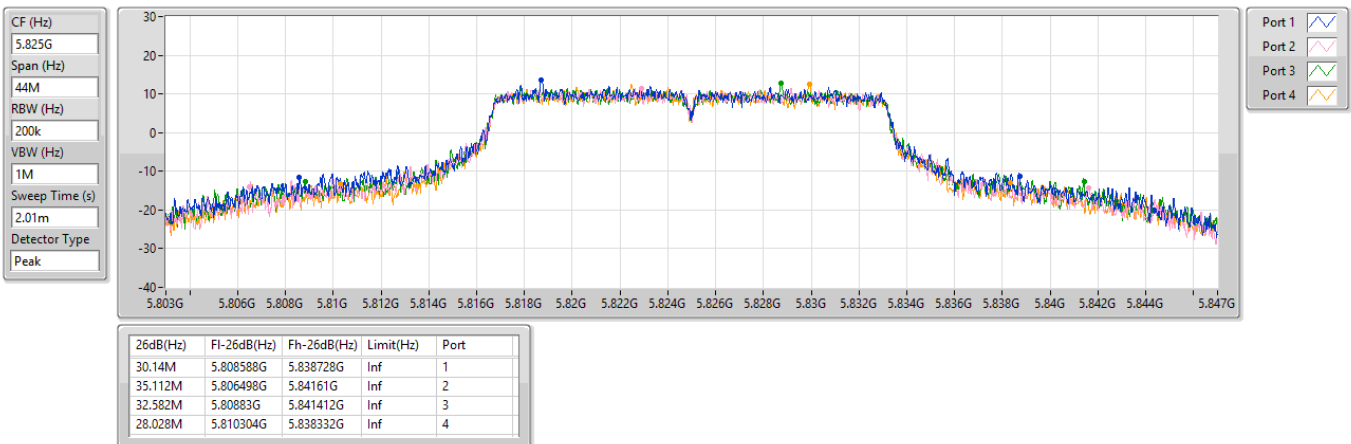


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

30/07/2026

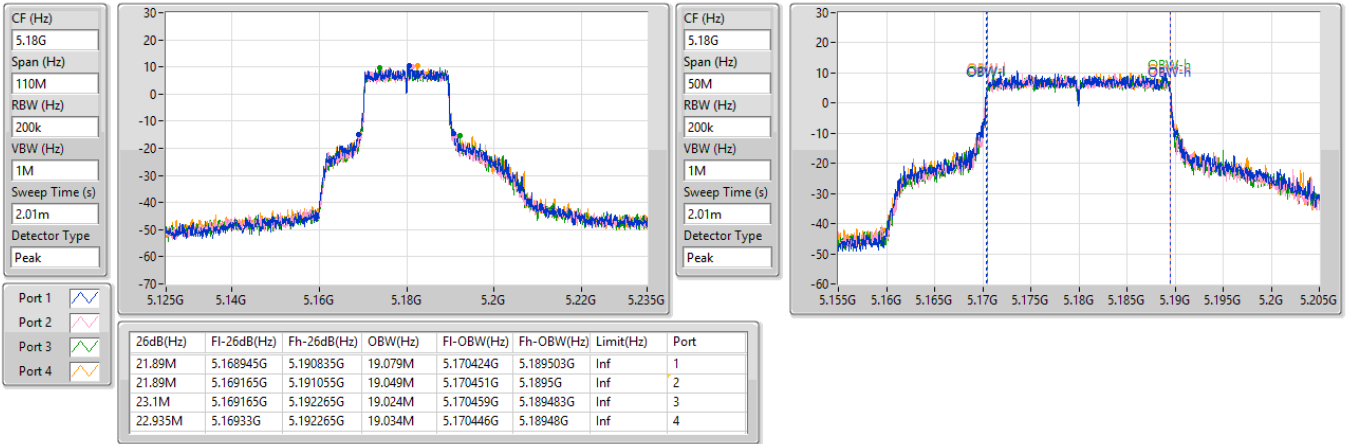


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

30/07/2026

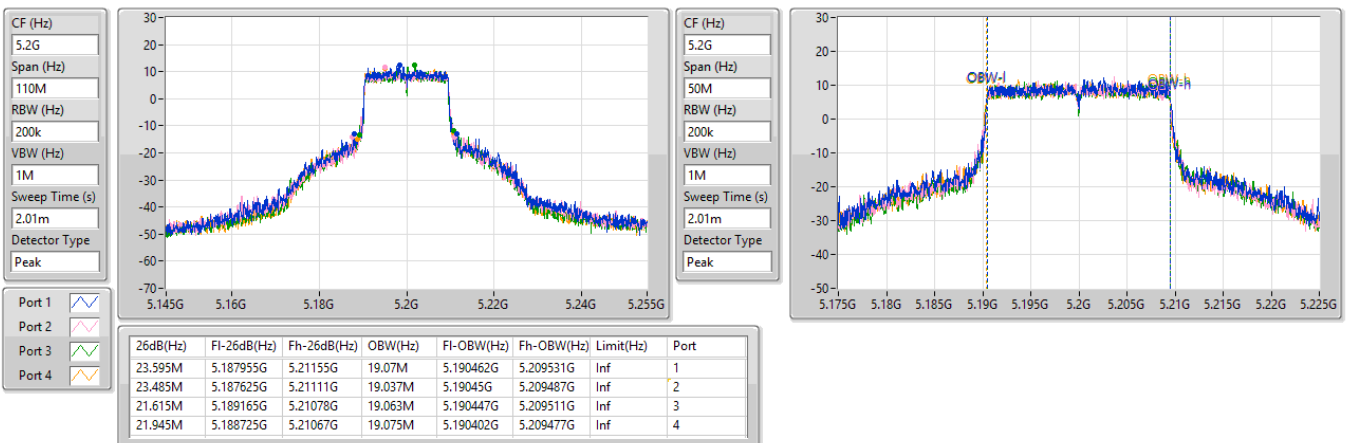


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

30/07/2026

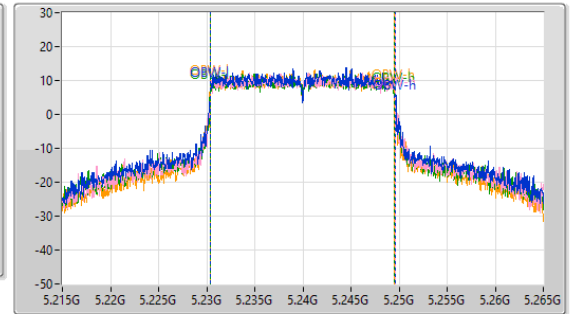
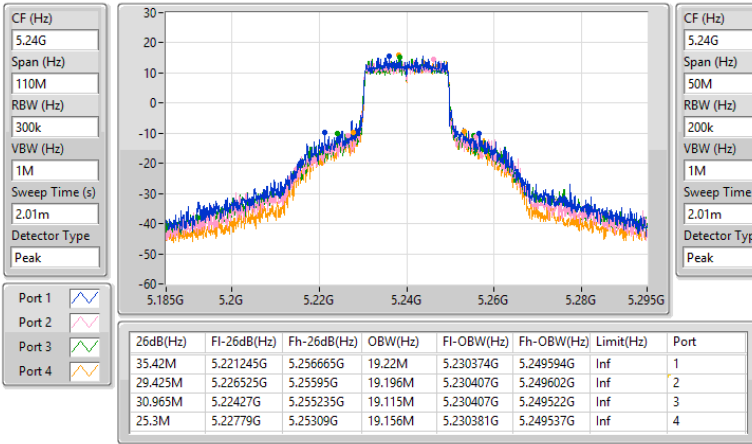


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

30/07/2026

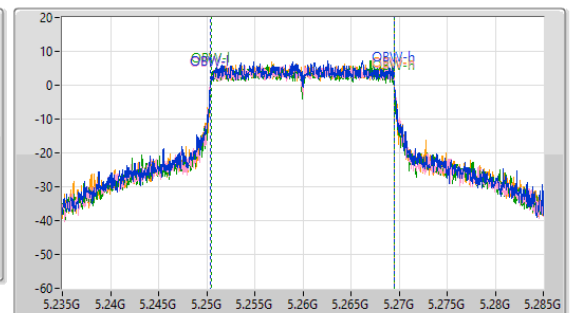
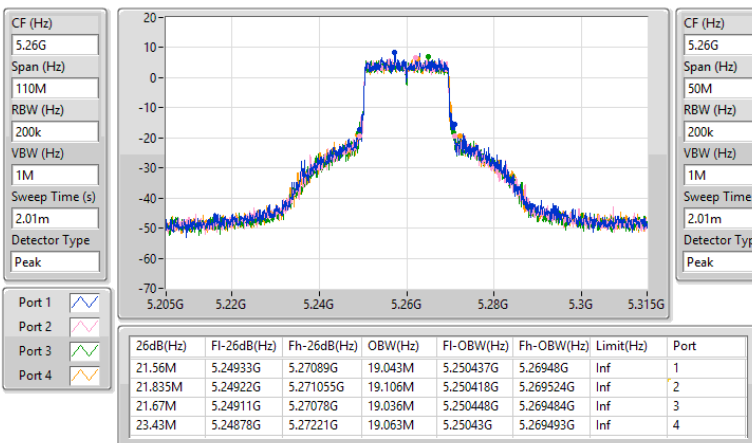


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

30/07/2026

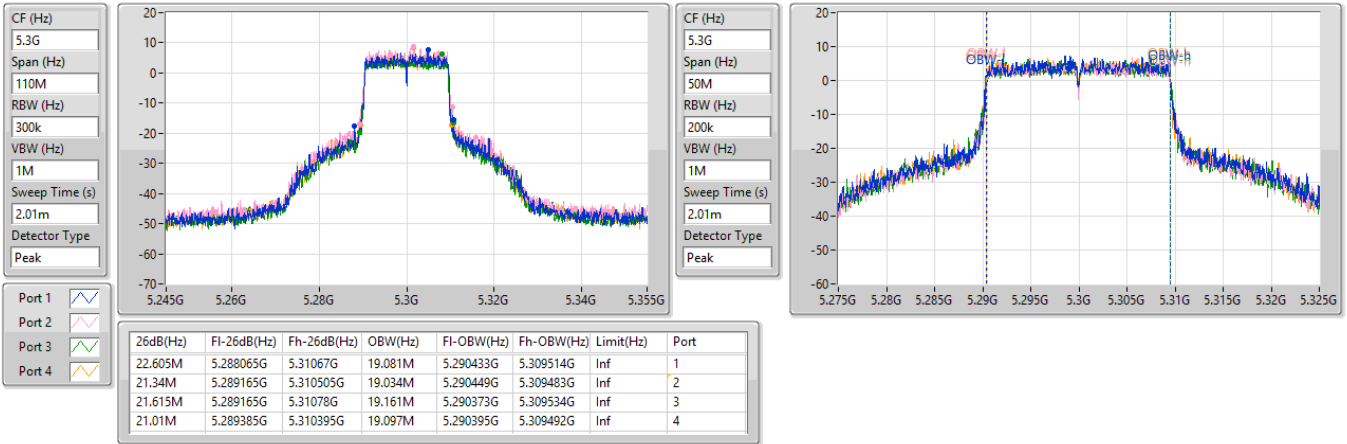


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

30/07/2026

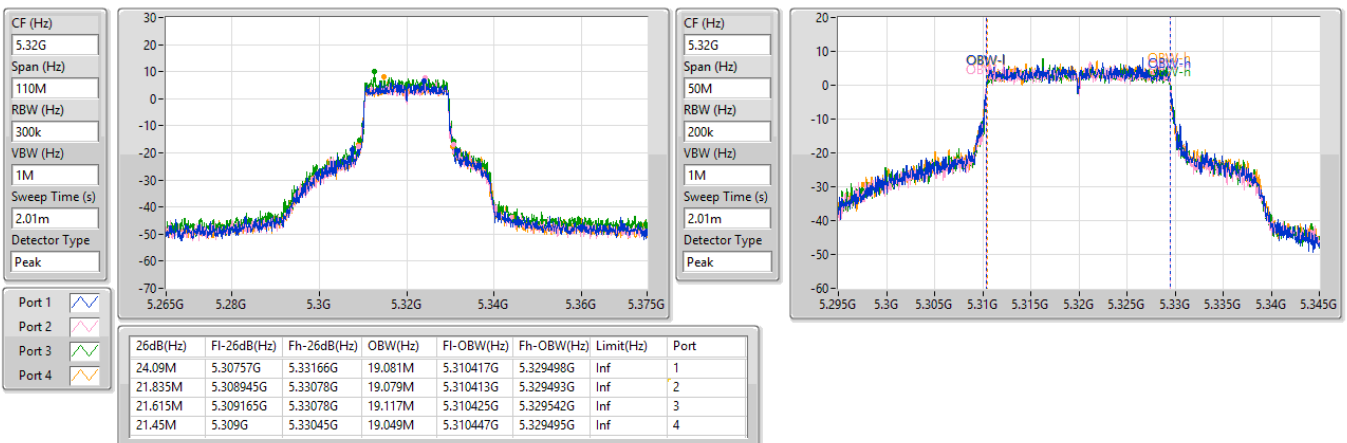


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

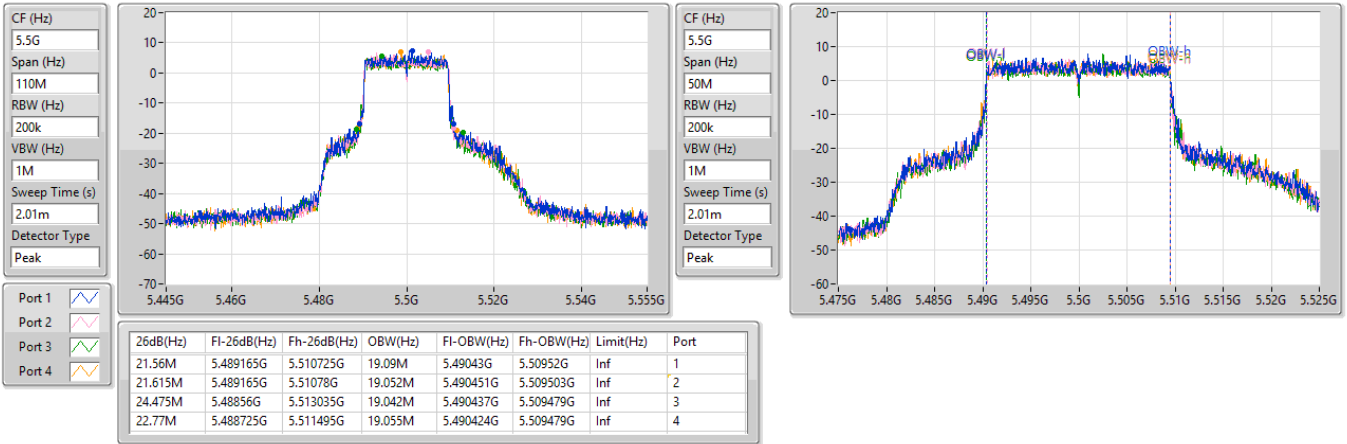
5320MHz

30/07/2026

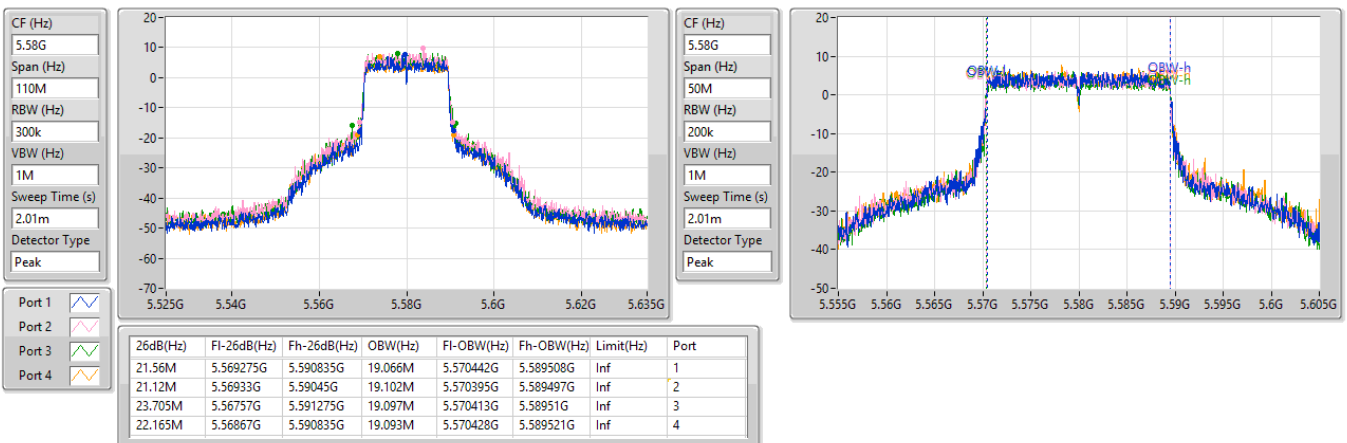


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5500MHz

30/07/2026

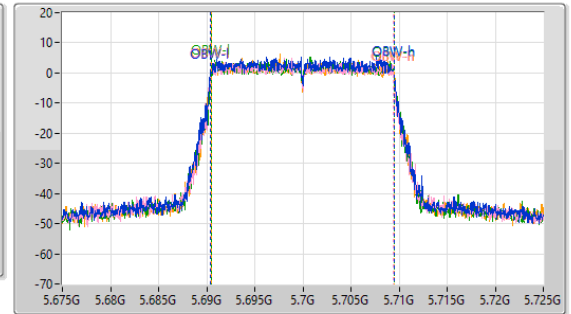
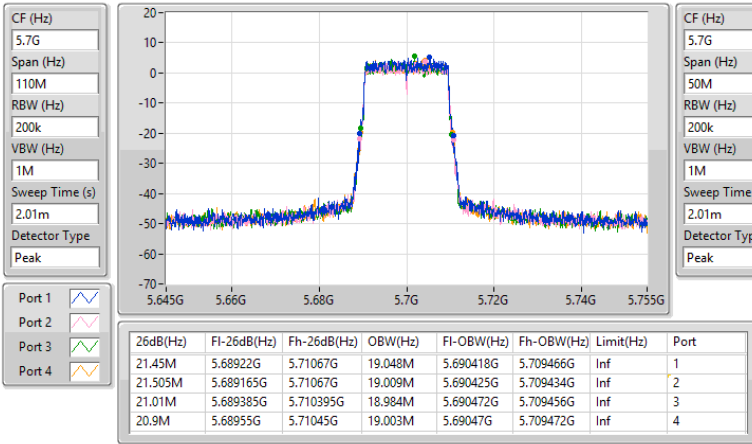

5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5580MHz

30/07/2026

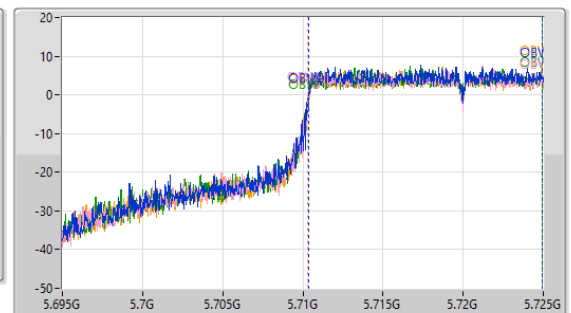
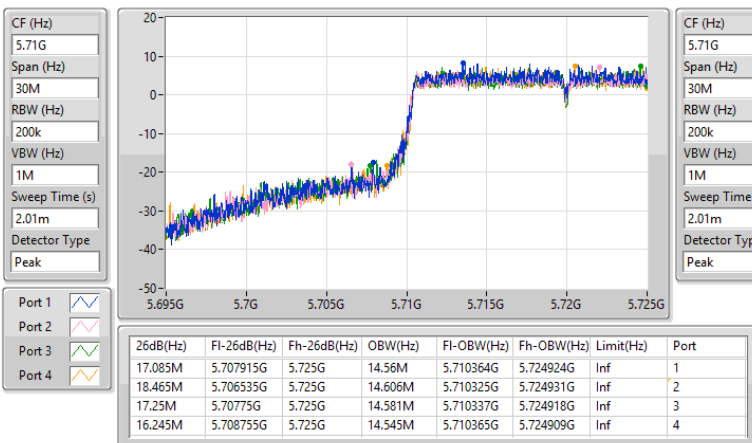


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5700MHz

30/07/2026


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5720MHz Straddle 5.47-5.725GHz

30/07/2026

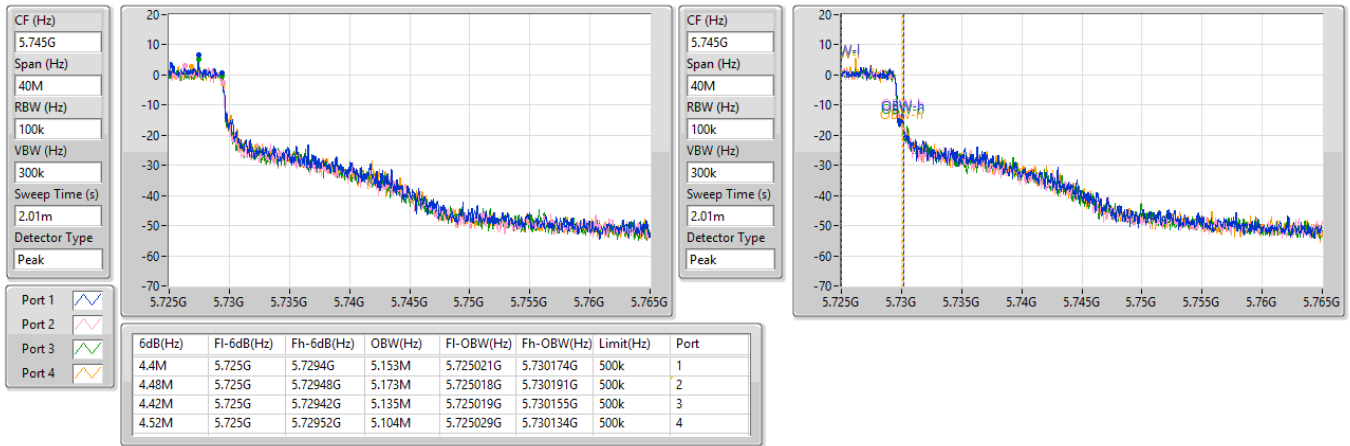


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

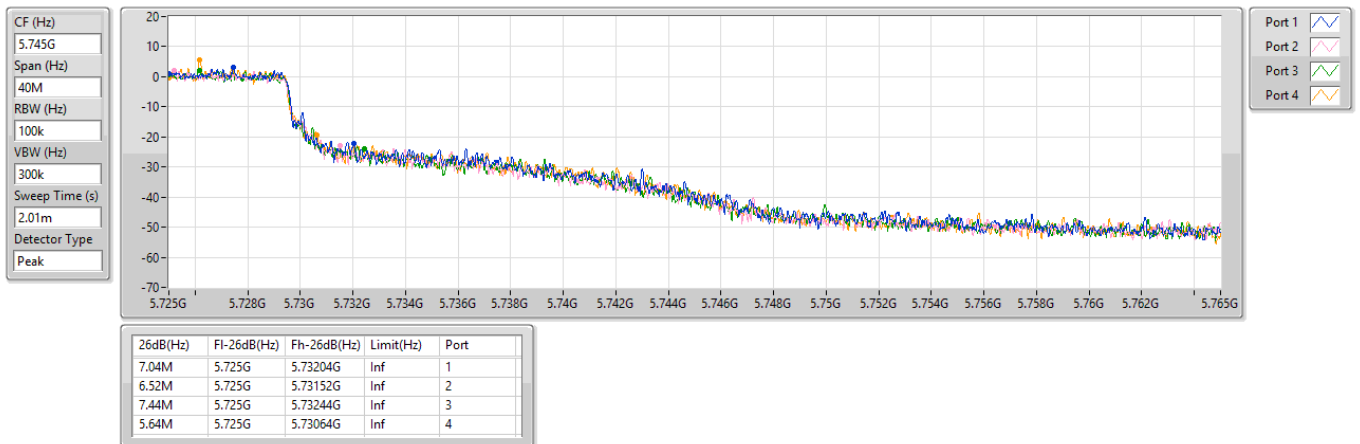


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

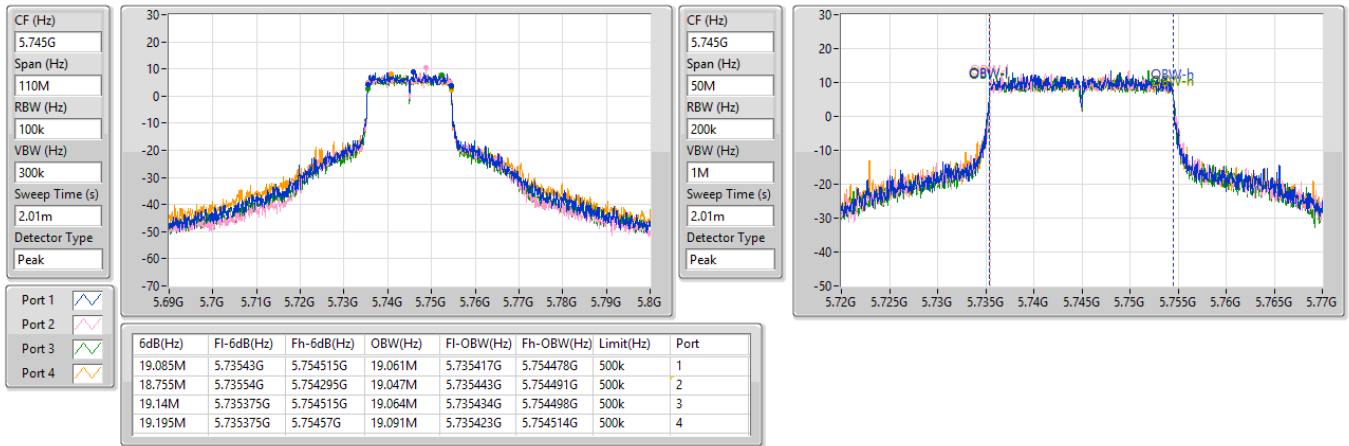


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

30/07/2026

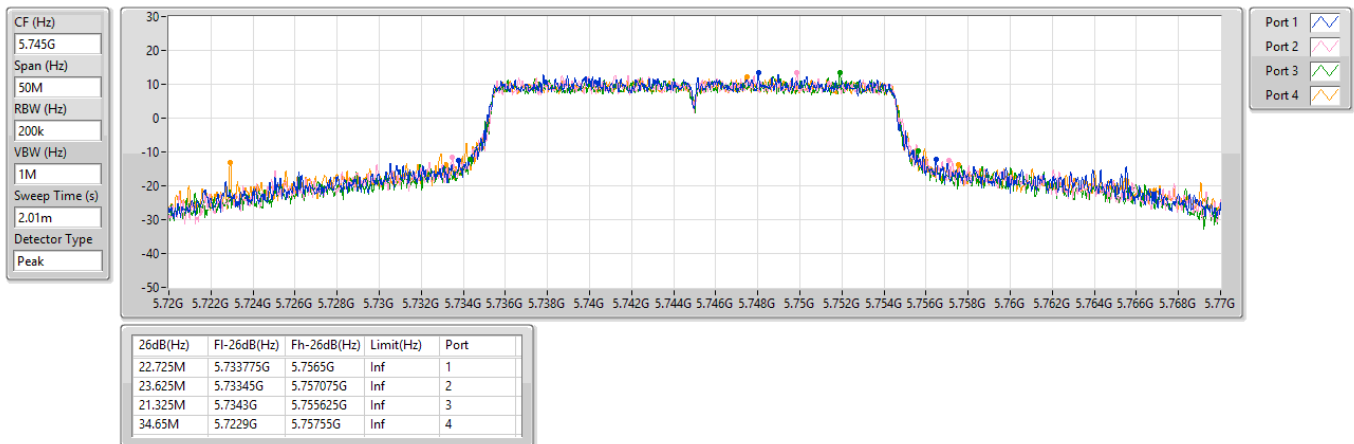


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

30/07/2026

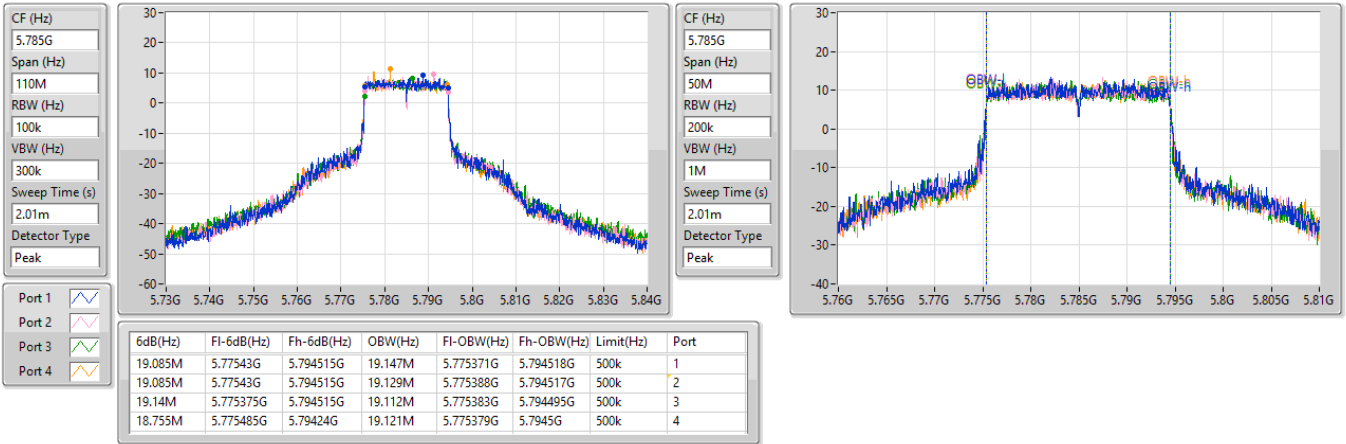


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

30/07/2026



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

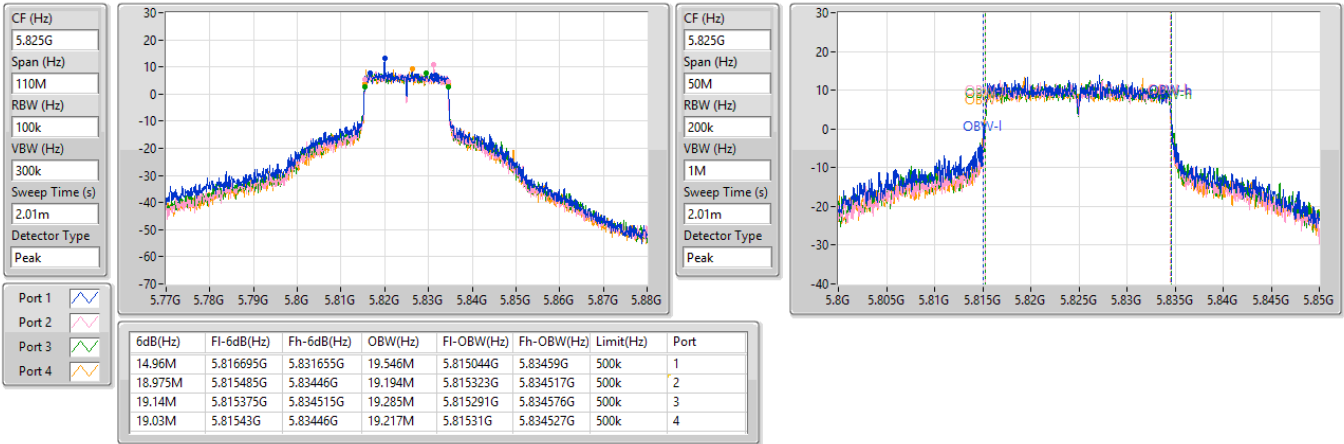
5785MHz

30/07/2026

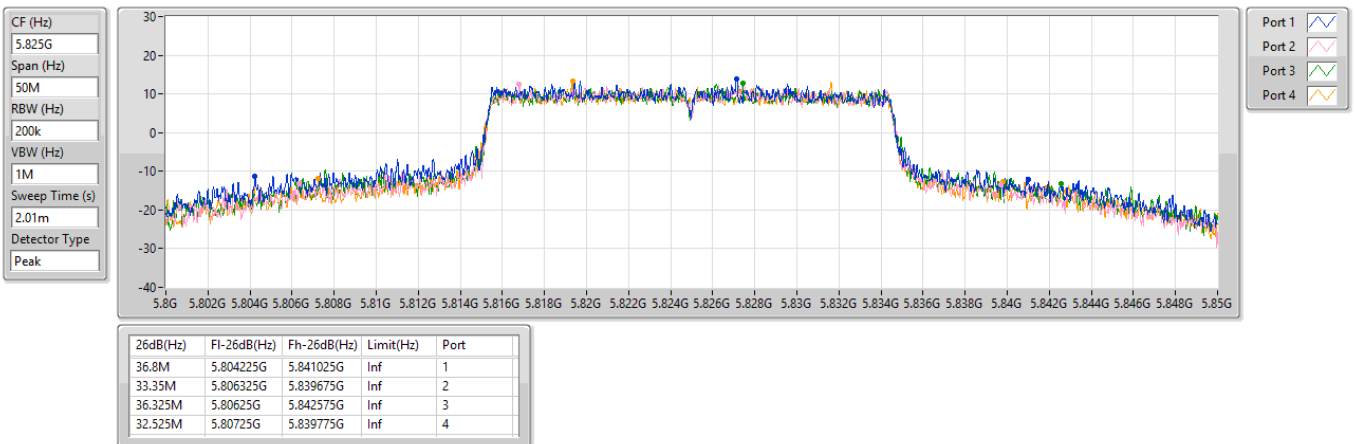


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

30/07/2026


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5825MHz

30/07/2026

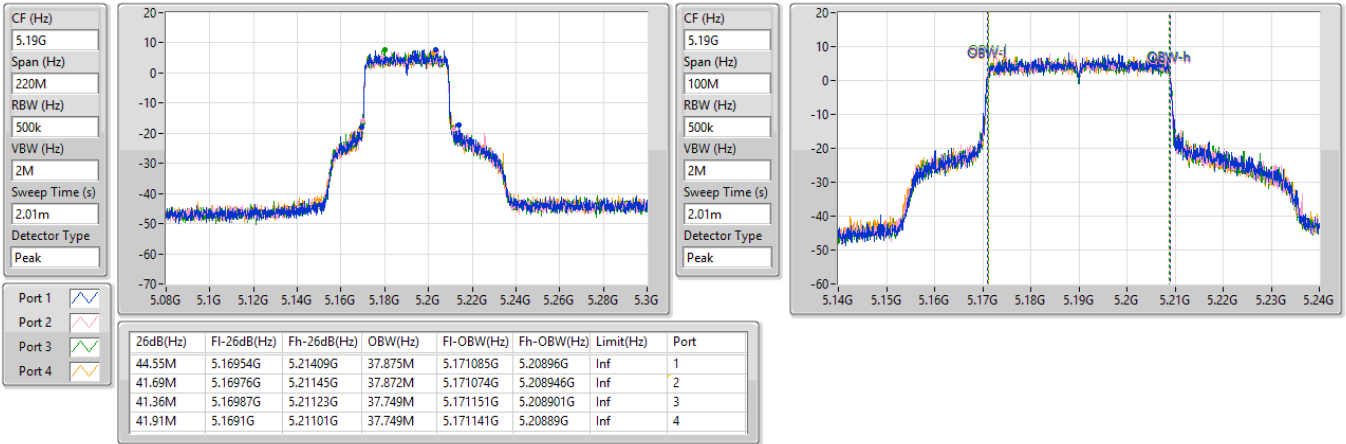


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

30/07/2026

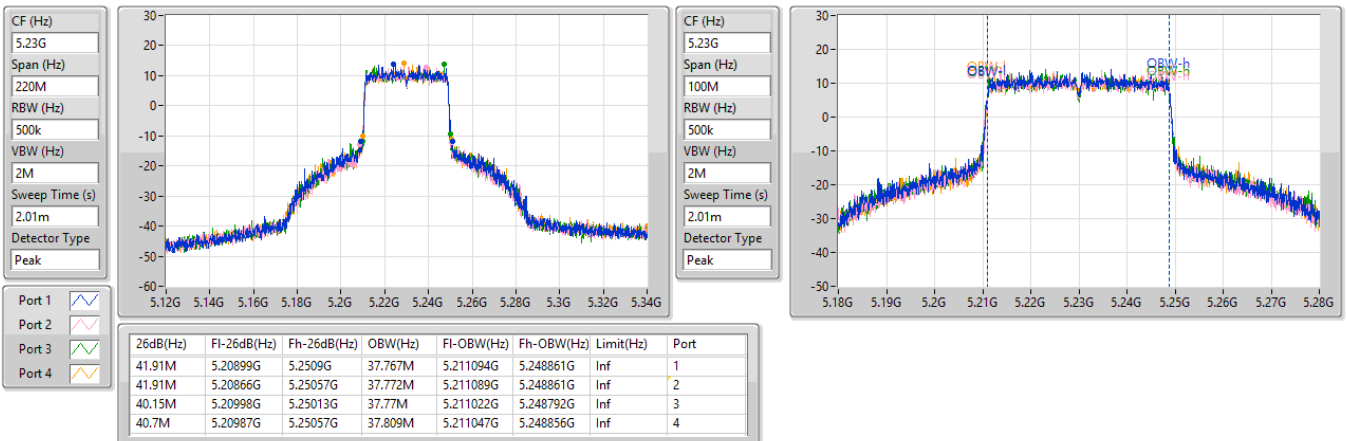


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

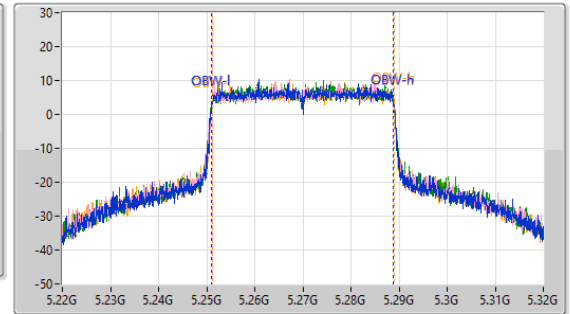
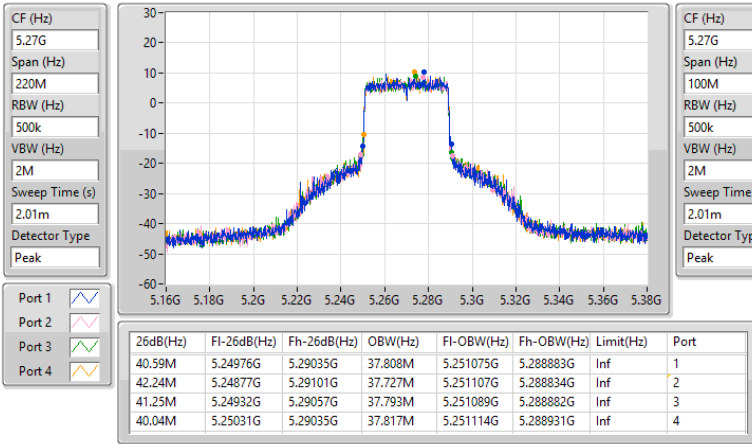
5230MHz

30/07/2026

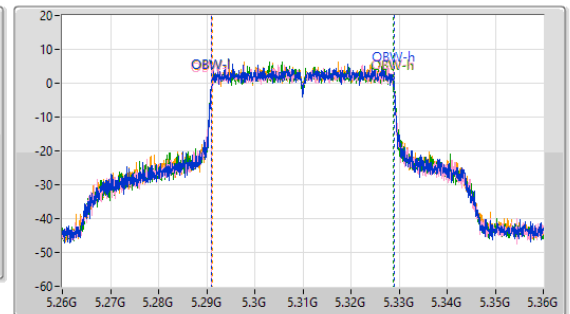
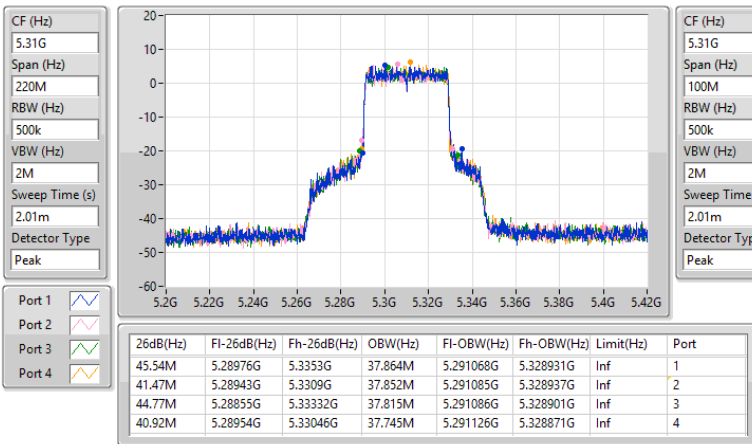


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX
EBW
5270MHz

30/07/2026


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX
EBW
5310MHz

30/07/2026

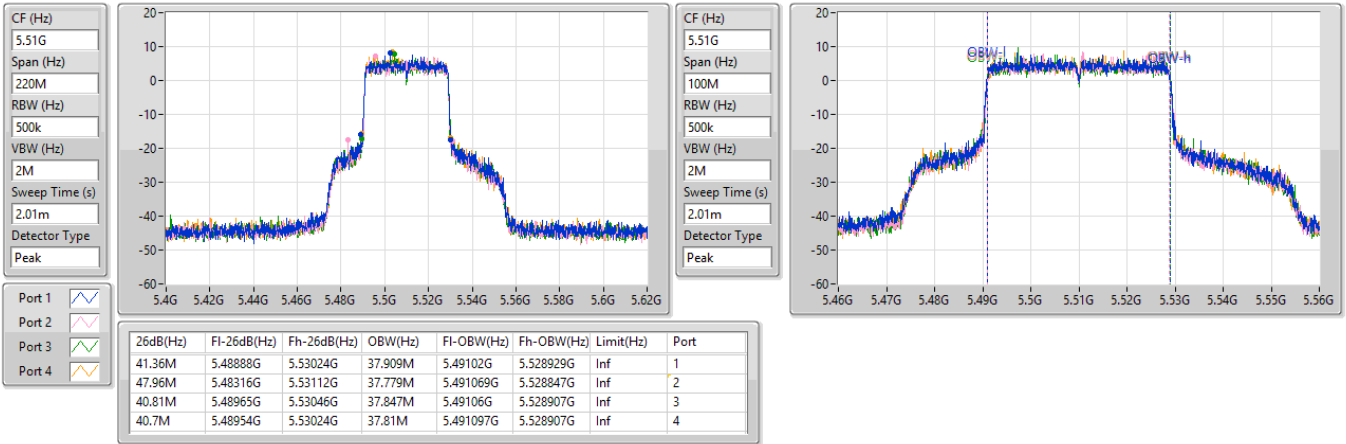


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

30/07/2026

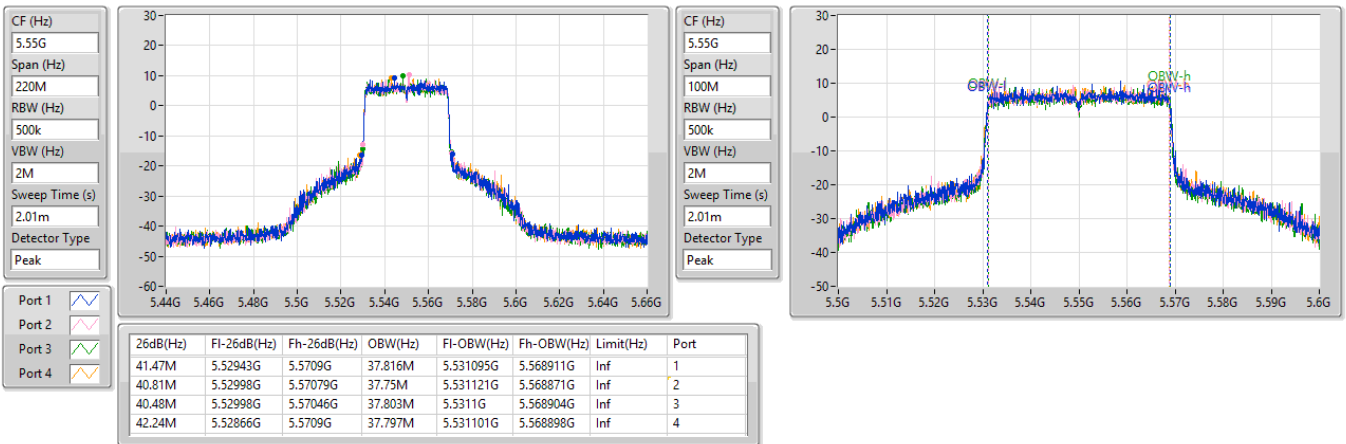


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

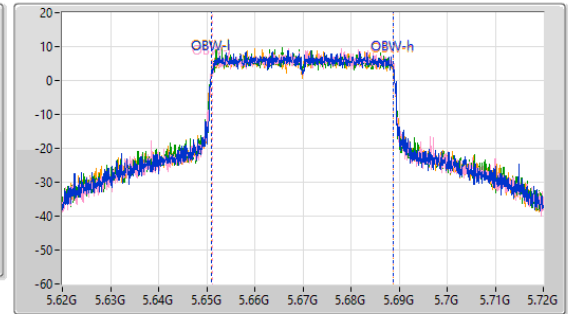
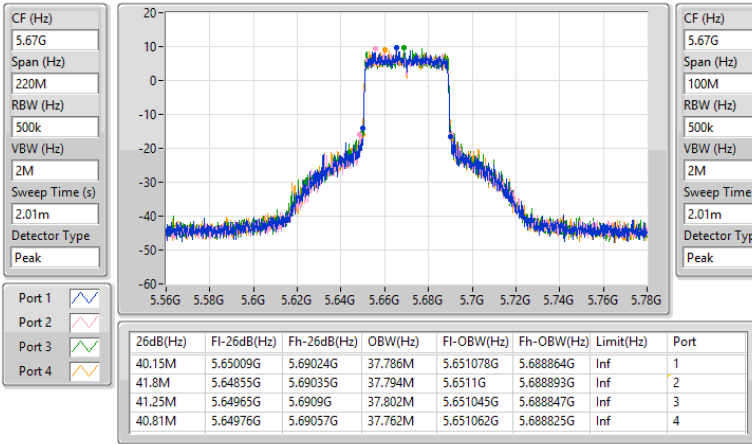
5550MHz

30/07/2026

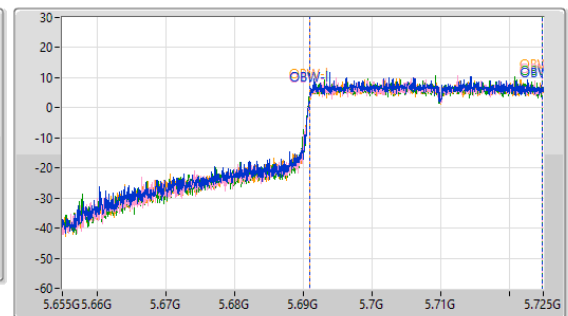
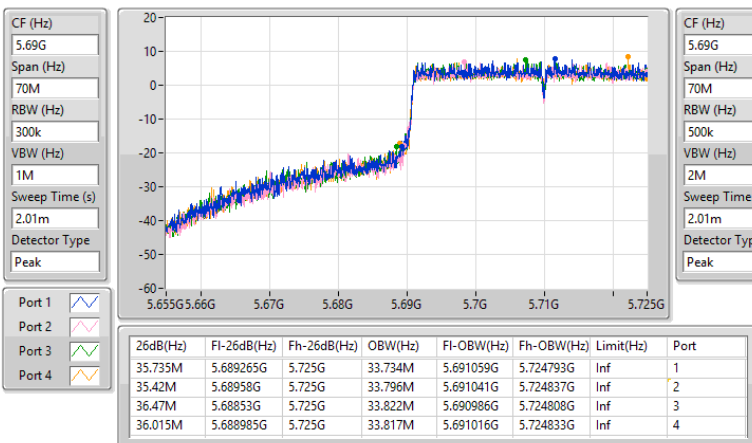


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5670MHz

30/07/2026


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5710MHz Straddle 5.47-5.725GHz

30/07/2026

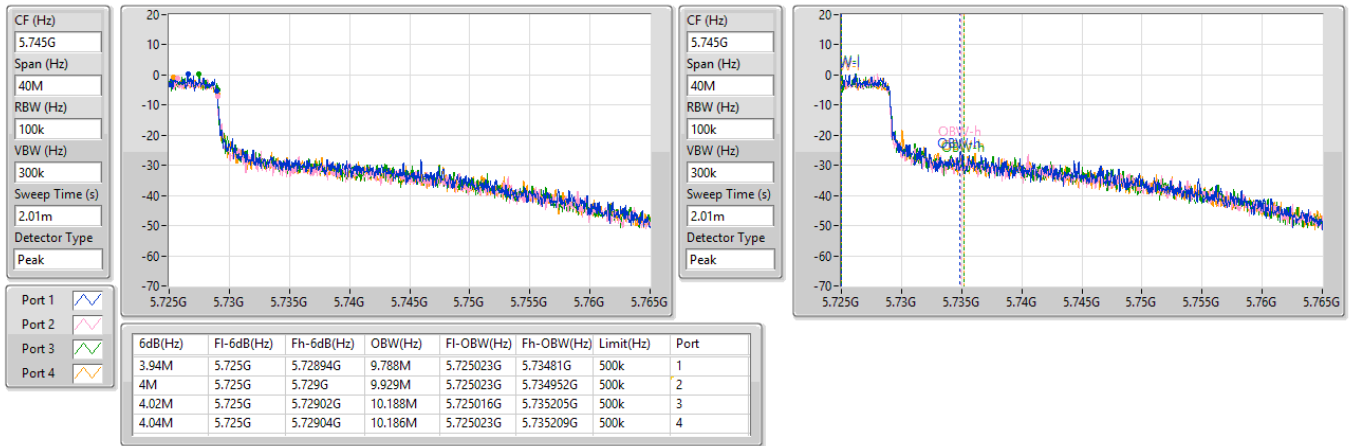


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2026

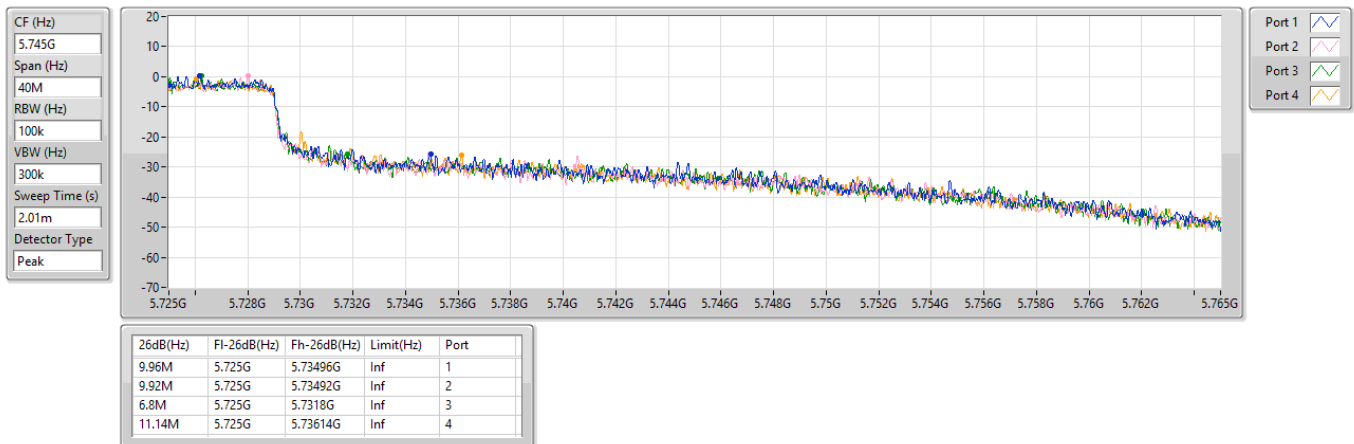


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2026

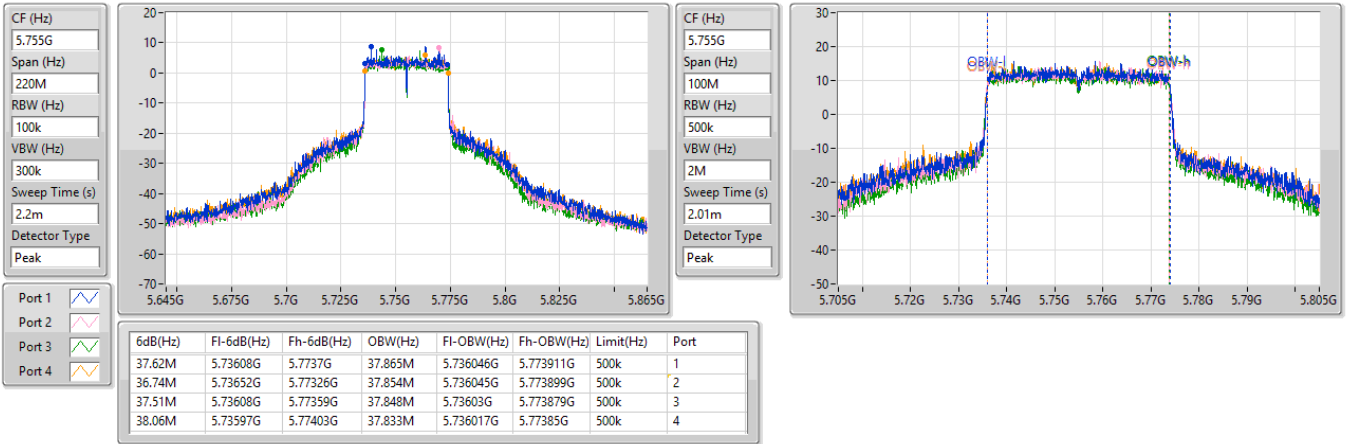


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2026

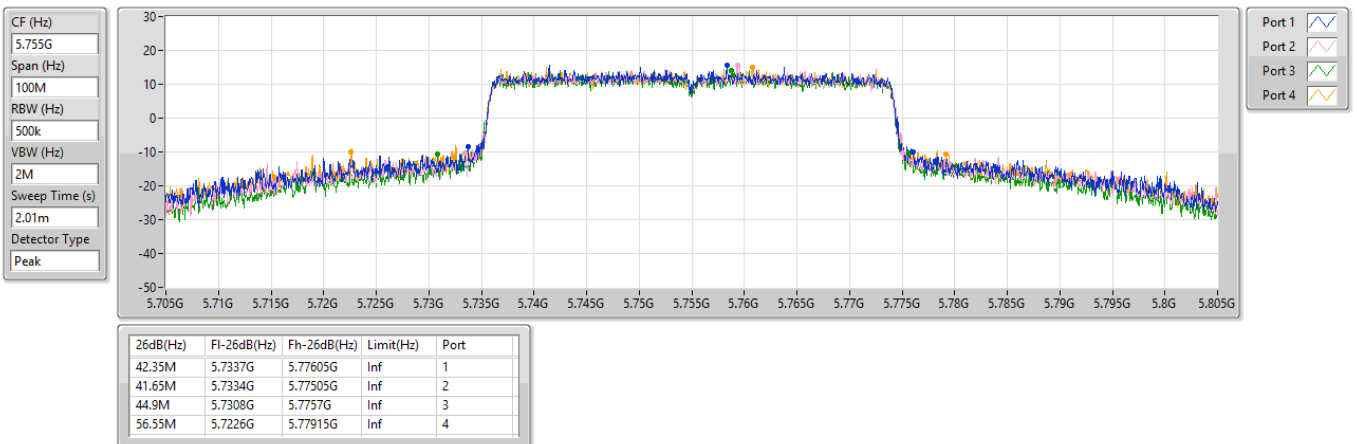


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2026

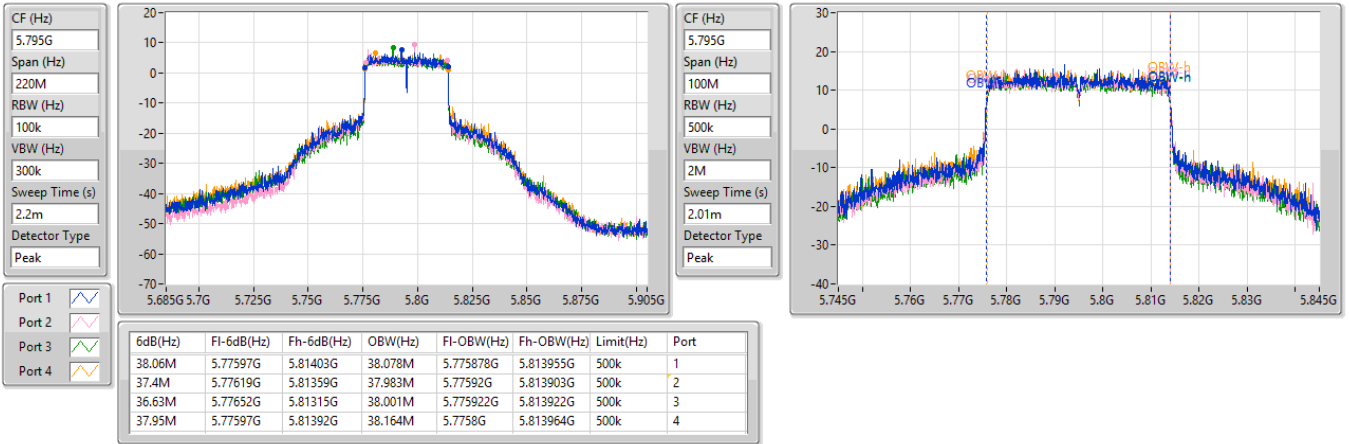


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2026



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2026

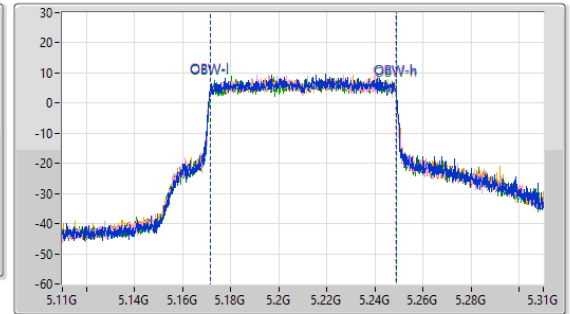
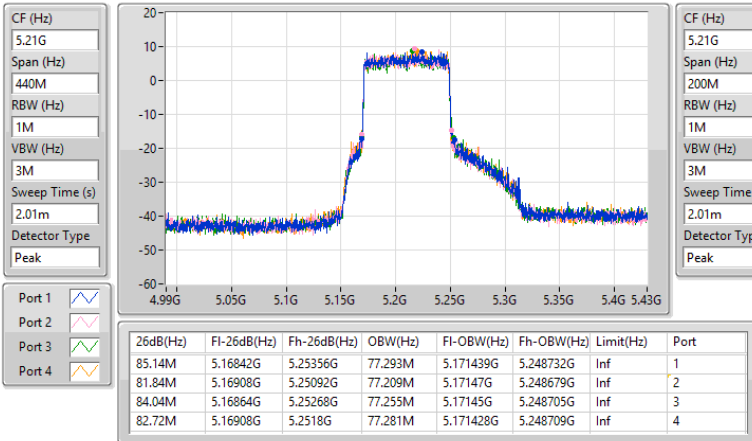


5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

30/07/2026

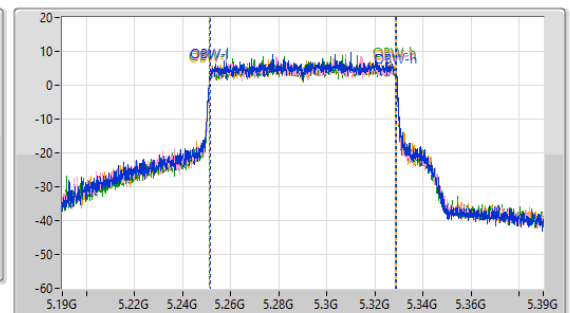
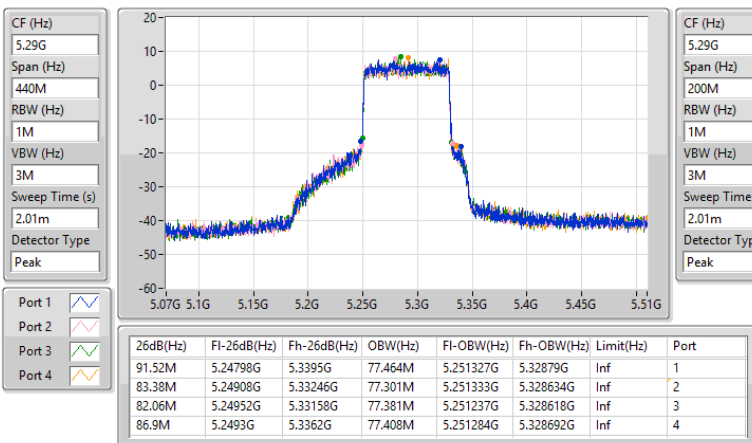


5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

30/07/2026

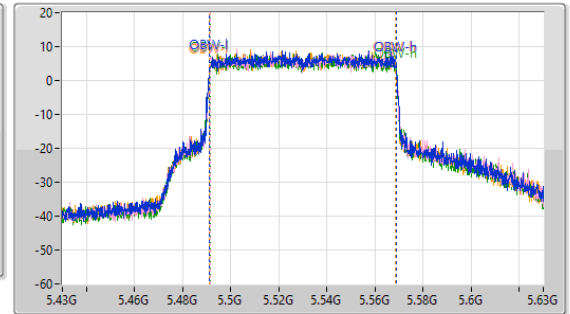
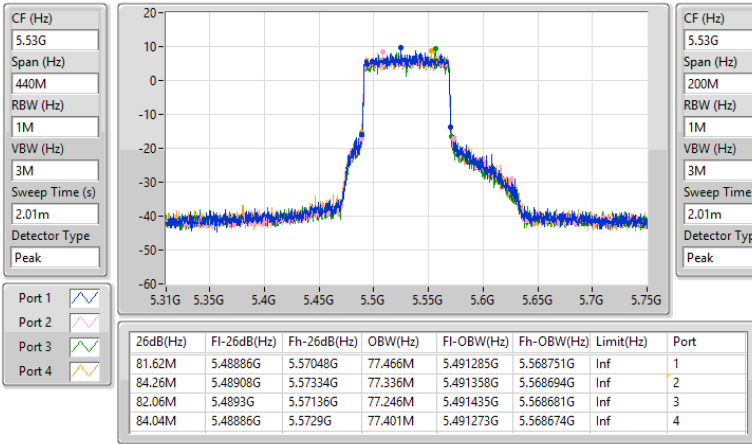


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

30/07/2026

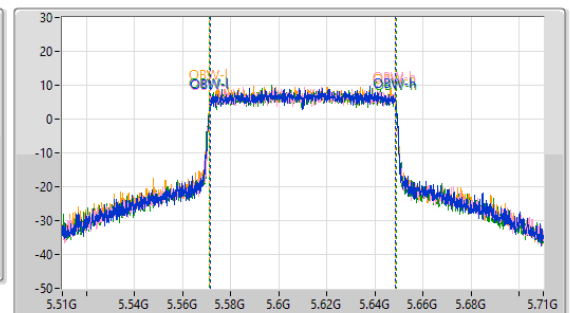
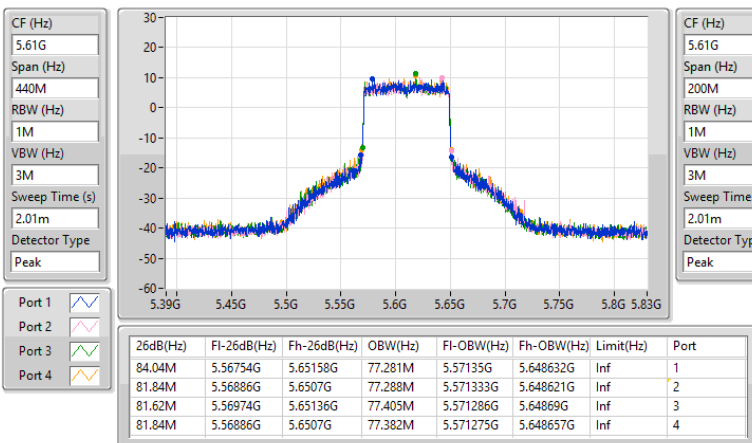


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

30/07/2026

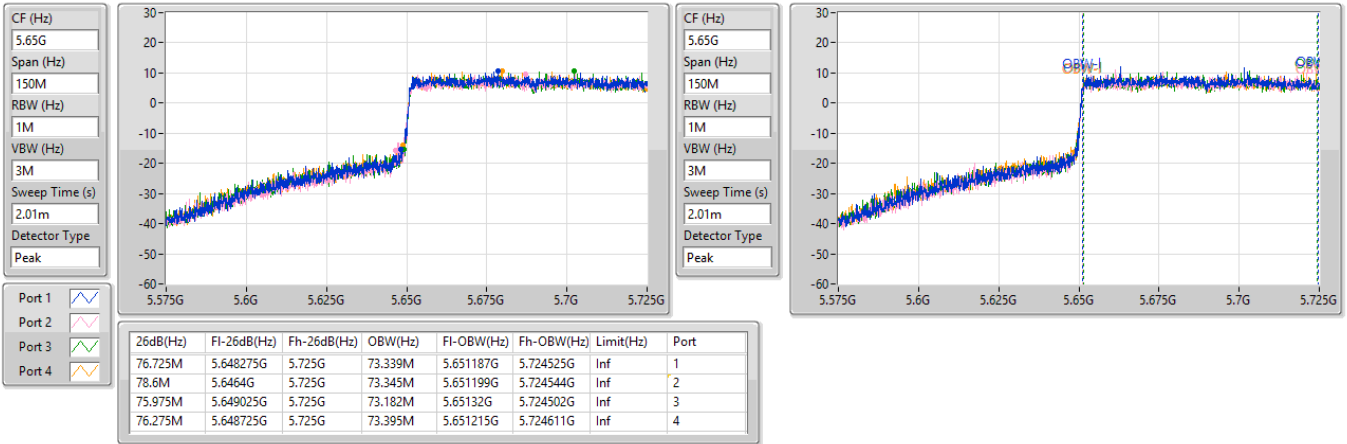


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/07/2026

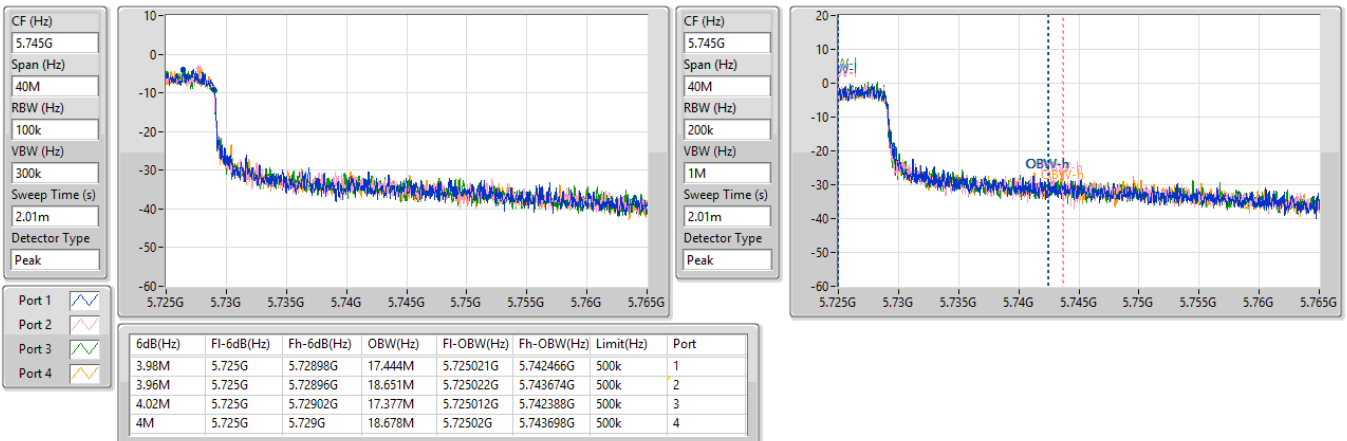


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

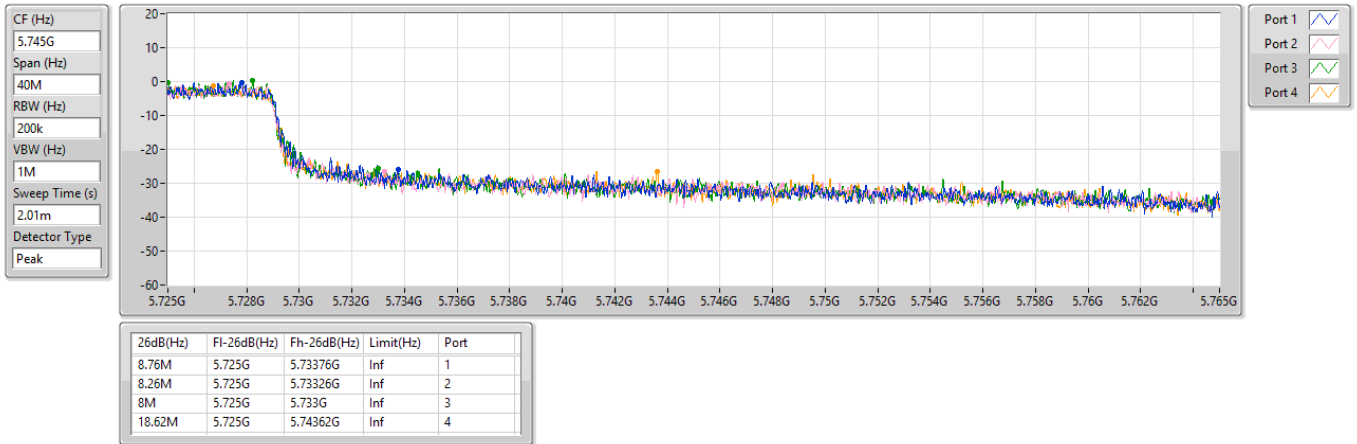
5690MHz Straddle 5.725-5.85GHz

30/07/2026

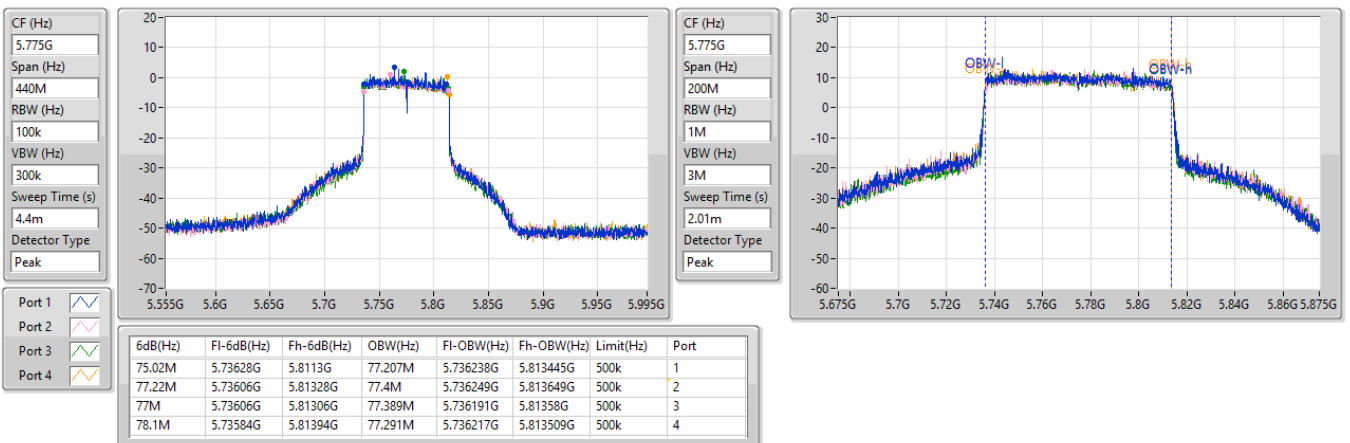


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5690MHz Straddle 5.725-5.85GHz

30/07/2026


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5775MHz

30/07/2026

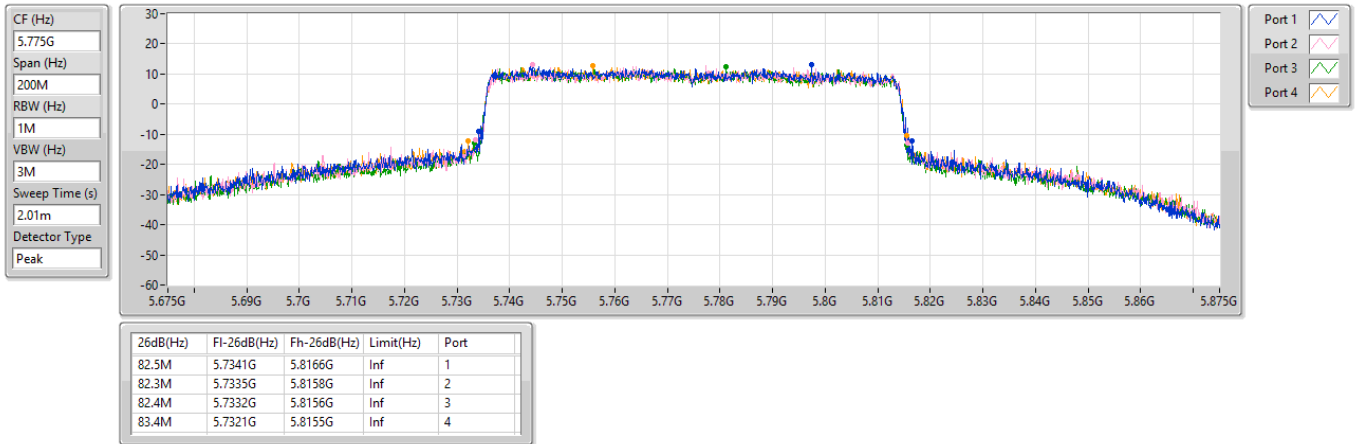


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

30/07/2026

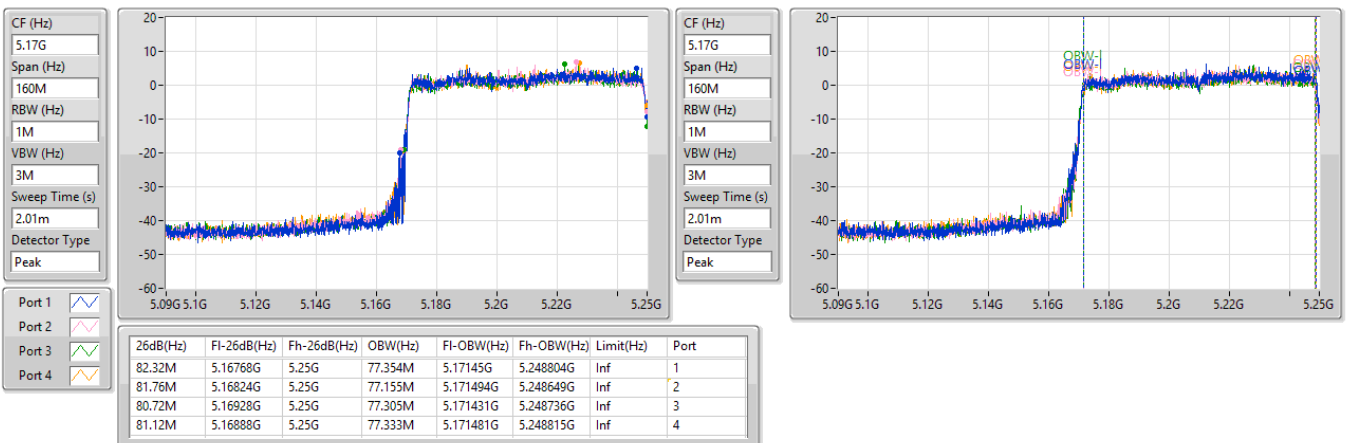


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/07/2026

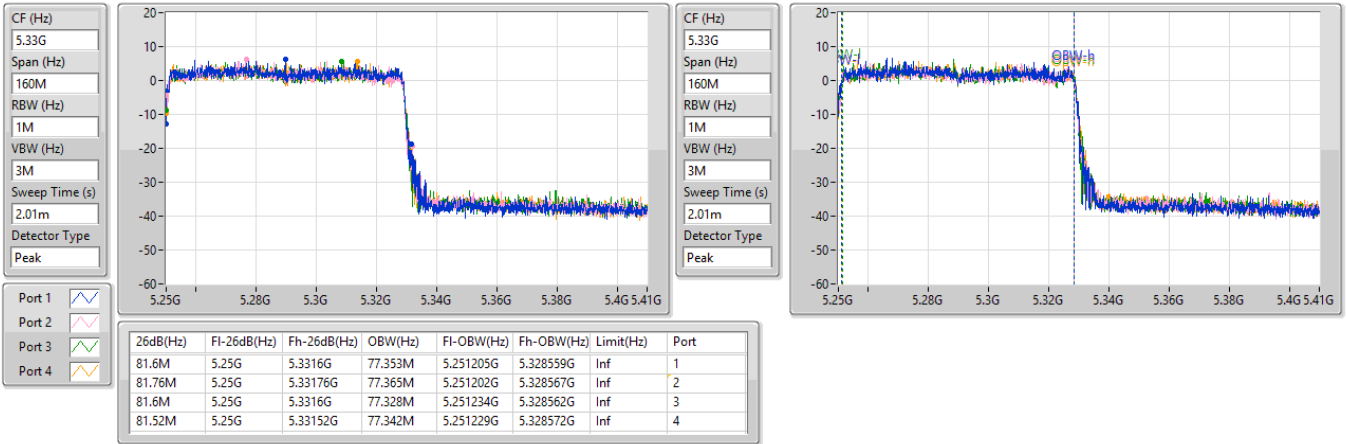


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/07/2026

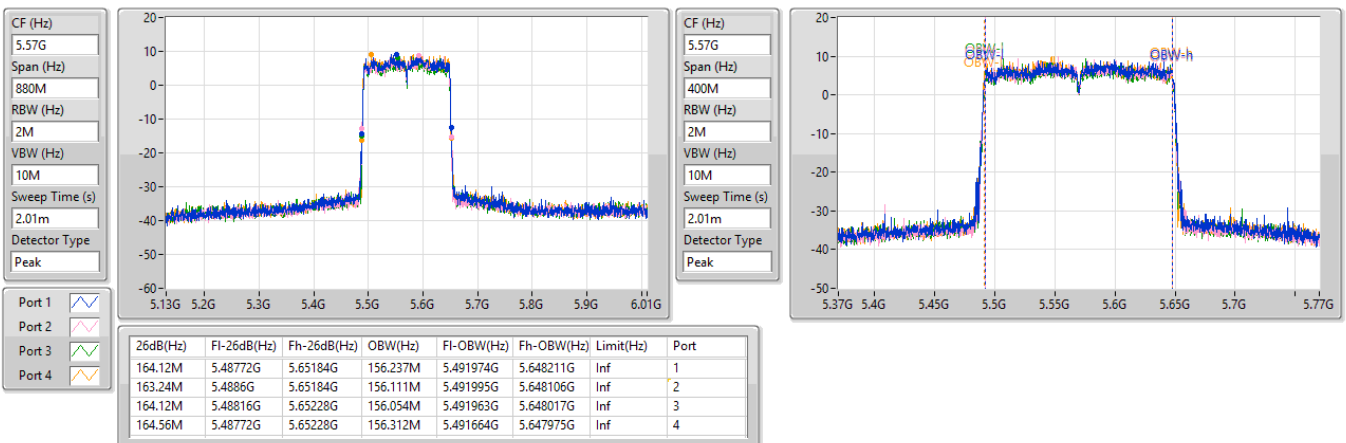


5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

30/07/2026

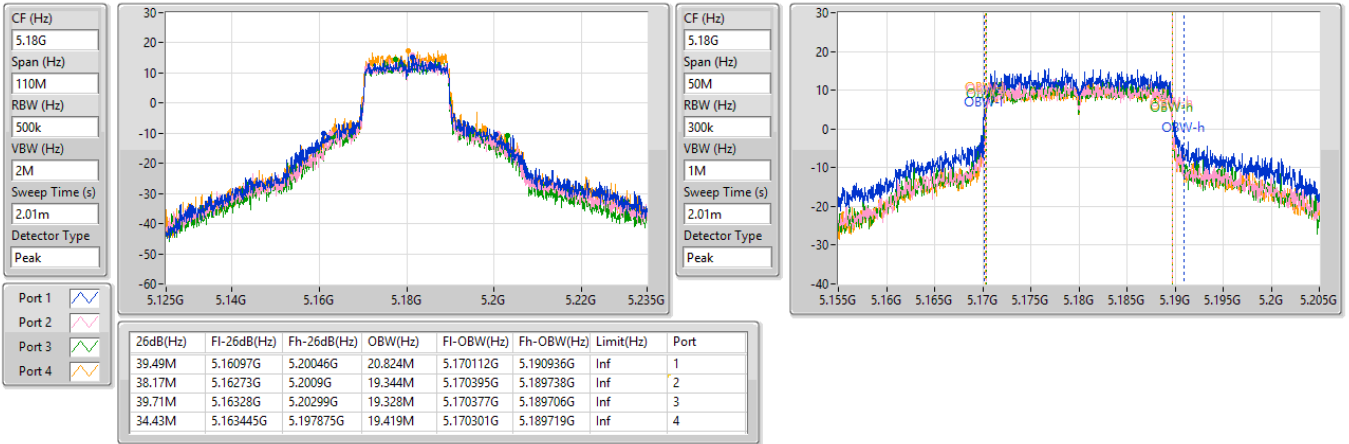


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

30/07/2026

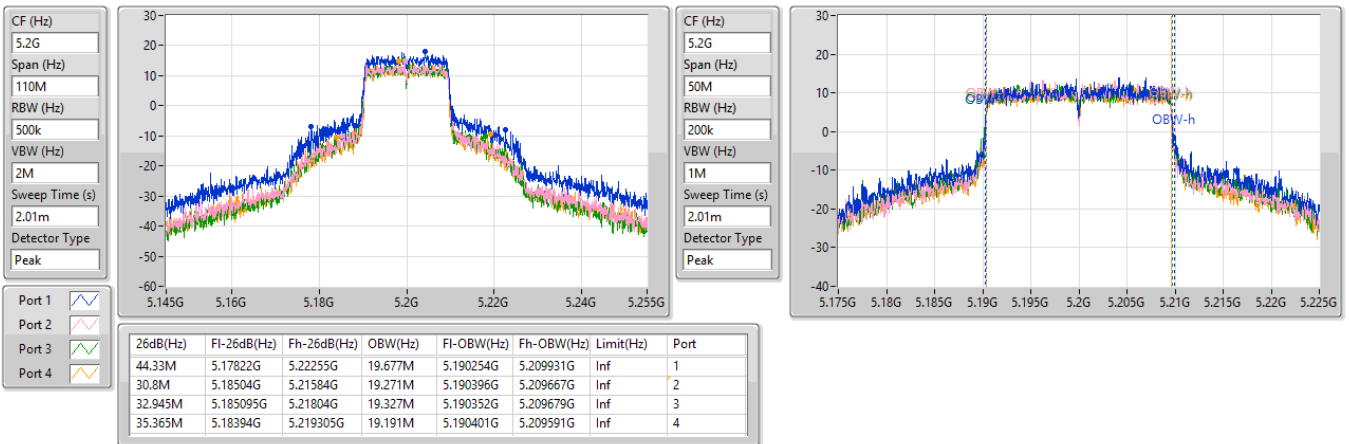


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

30/07/2026

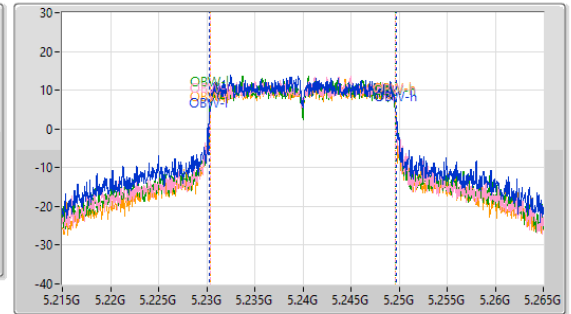
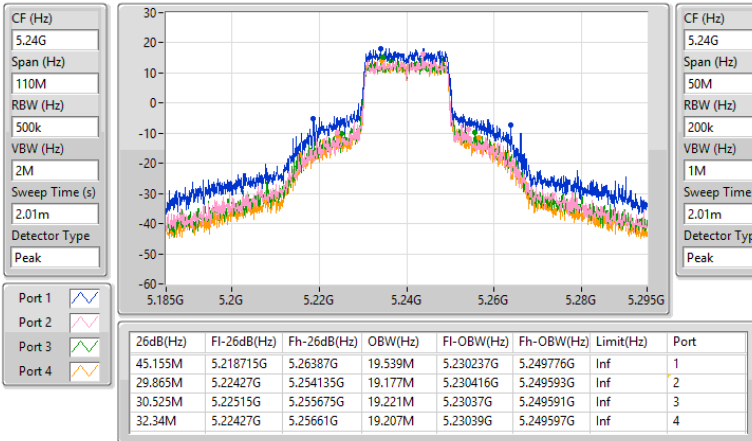


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

30/07/2026

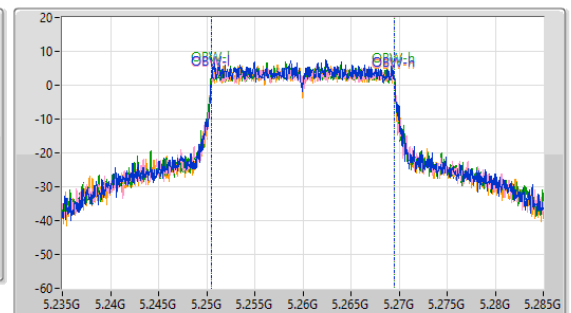
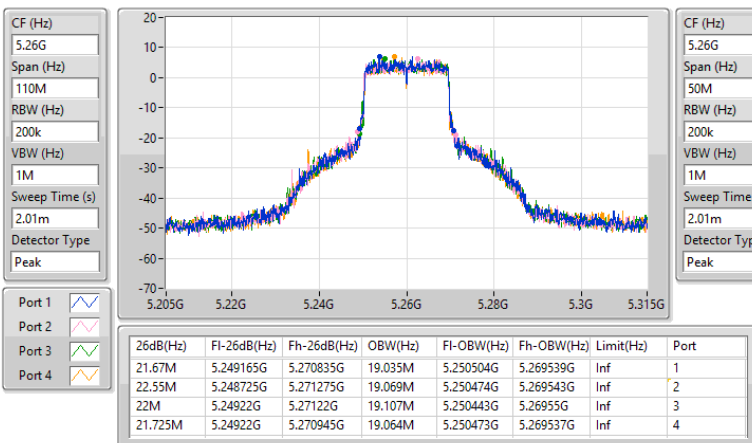


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

30/07/2026

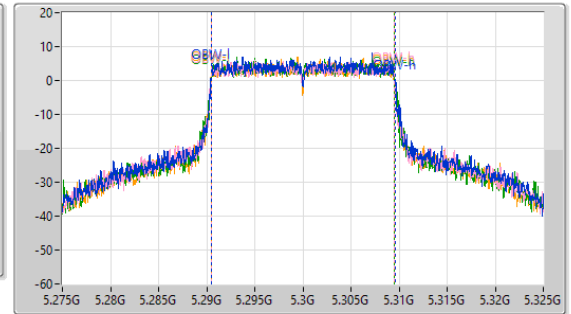
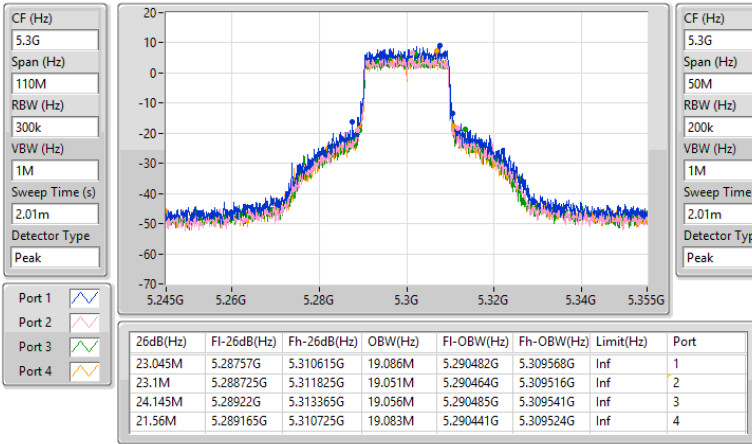


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

30/07/2026

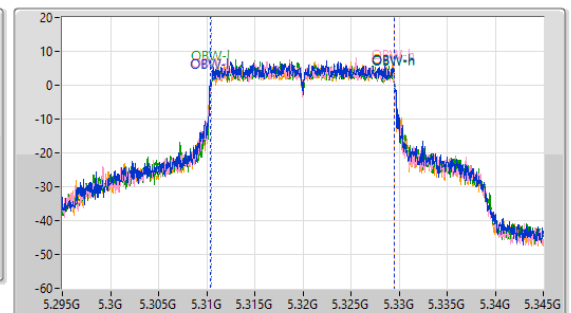
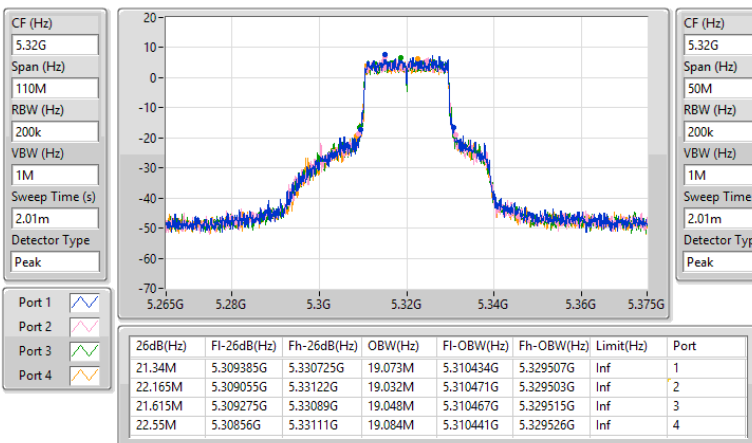


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

30/07/2026

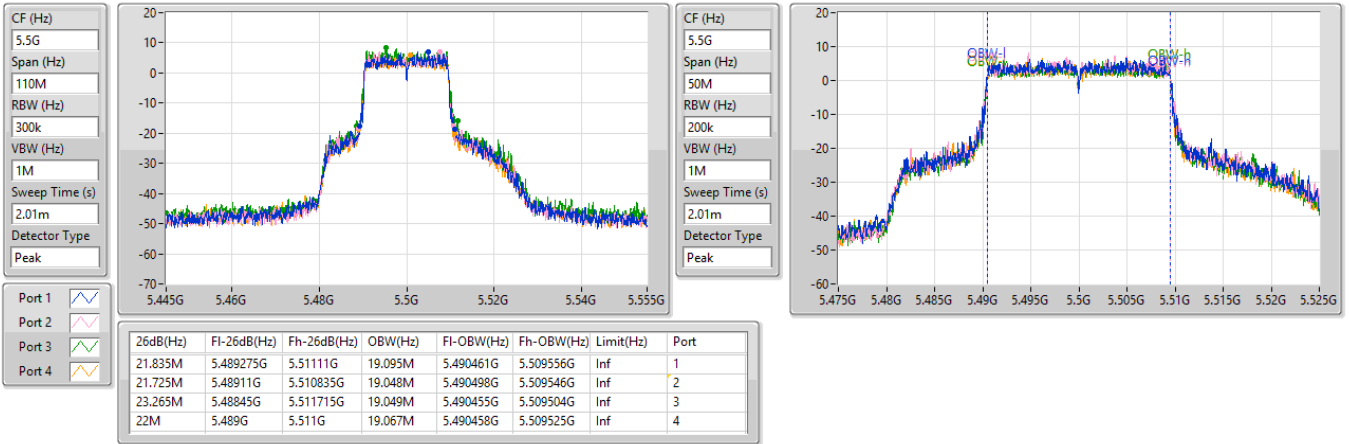


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

30/07/2026

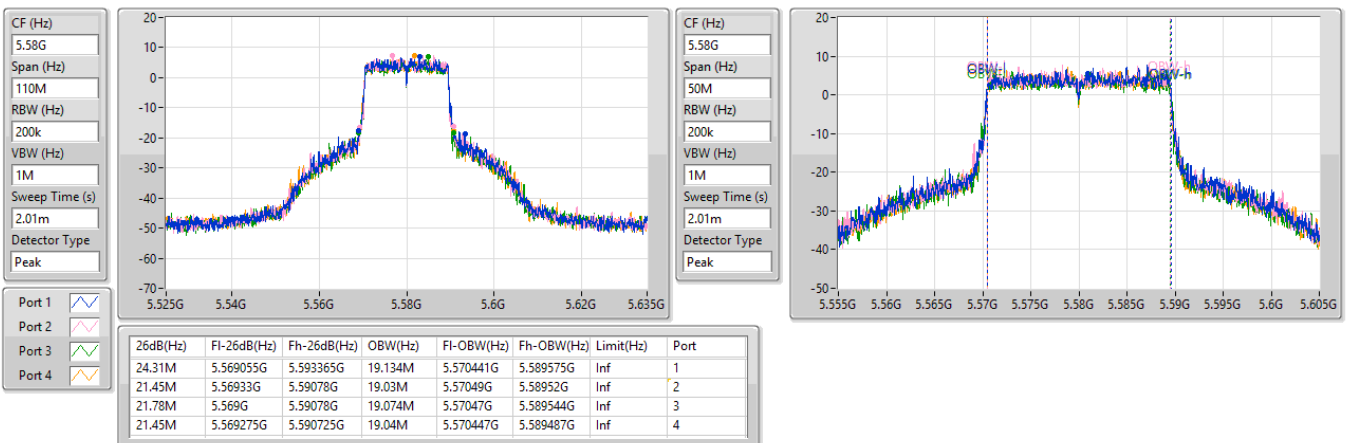


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

30/07/2026

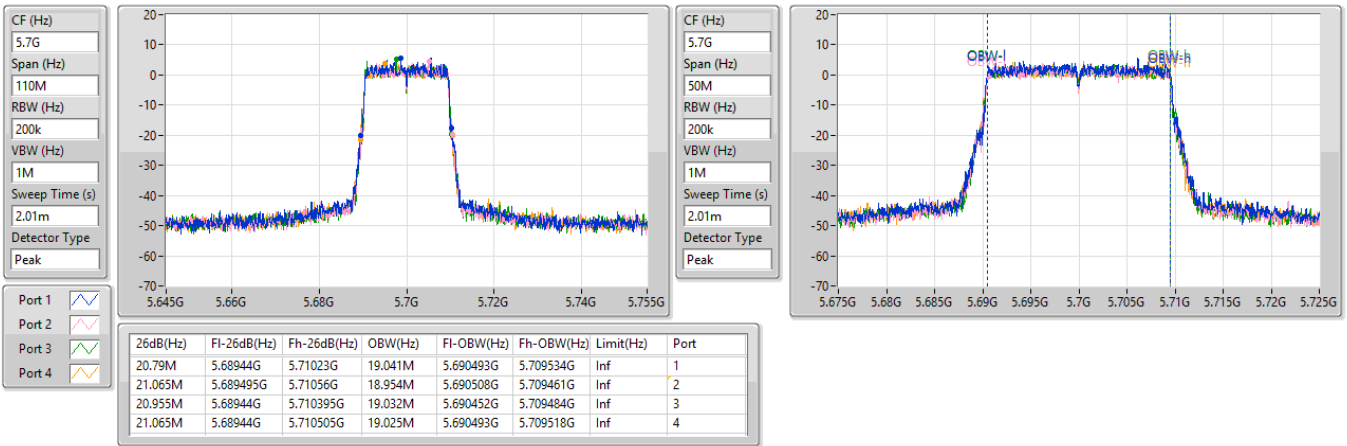


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

30/07/2026

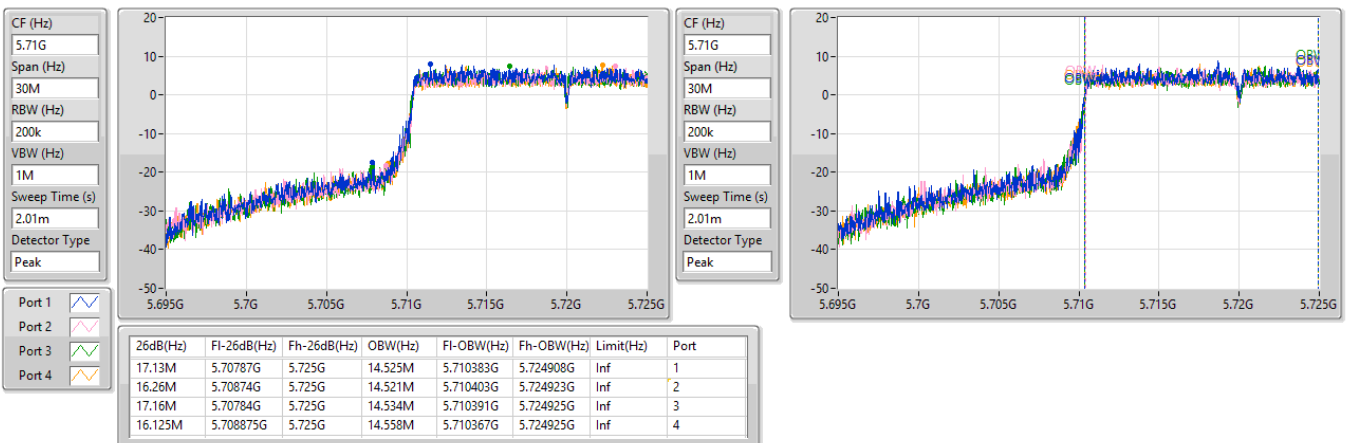


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/07/2026

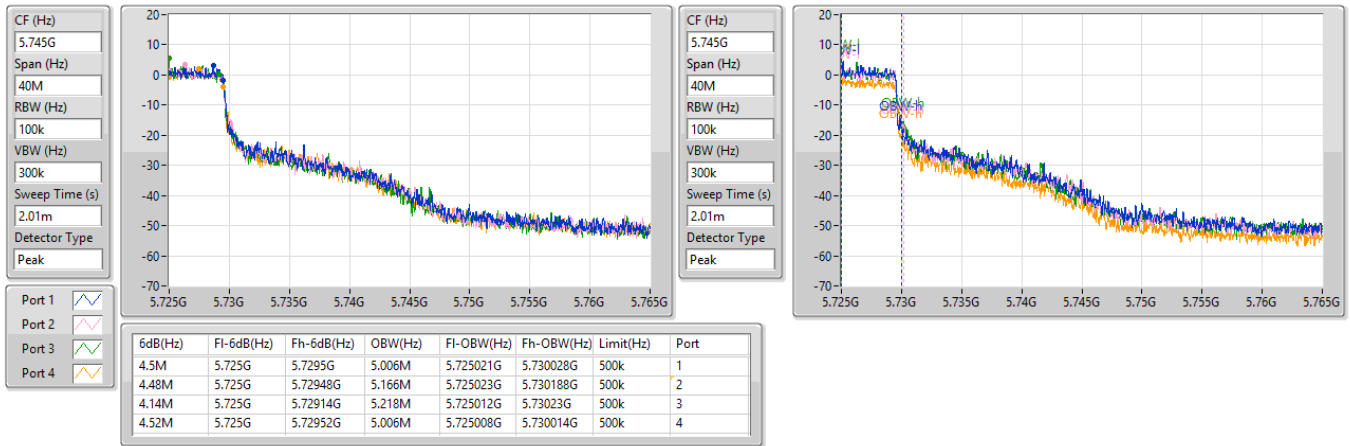


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

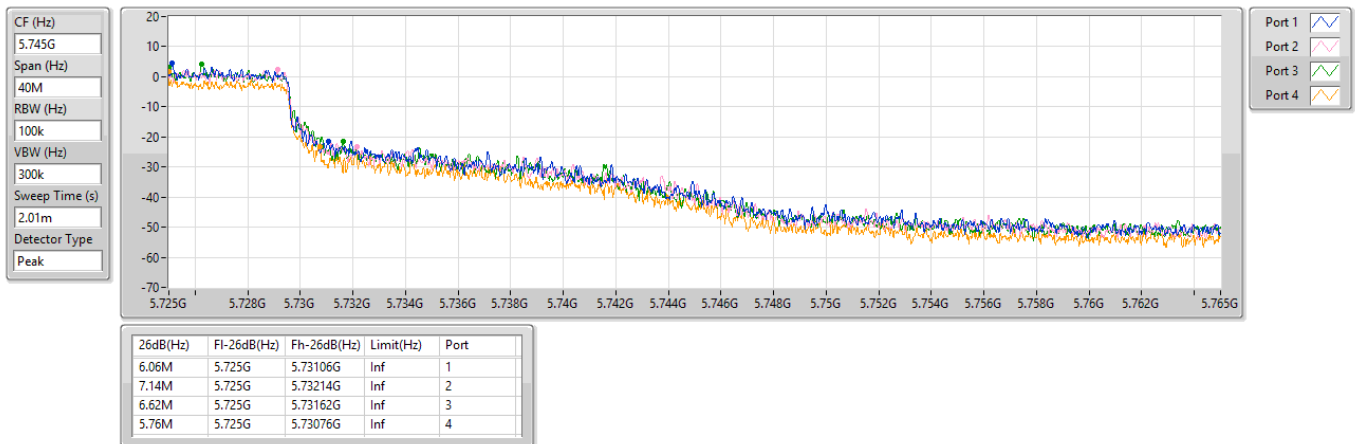


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/07/2026

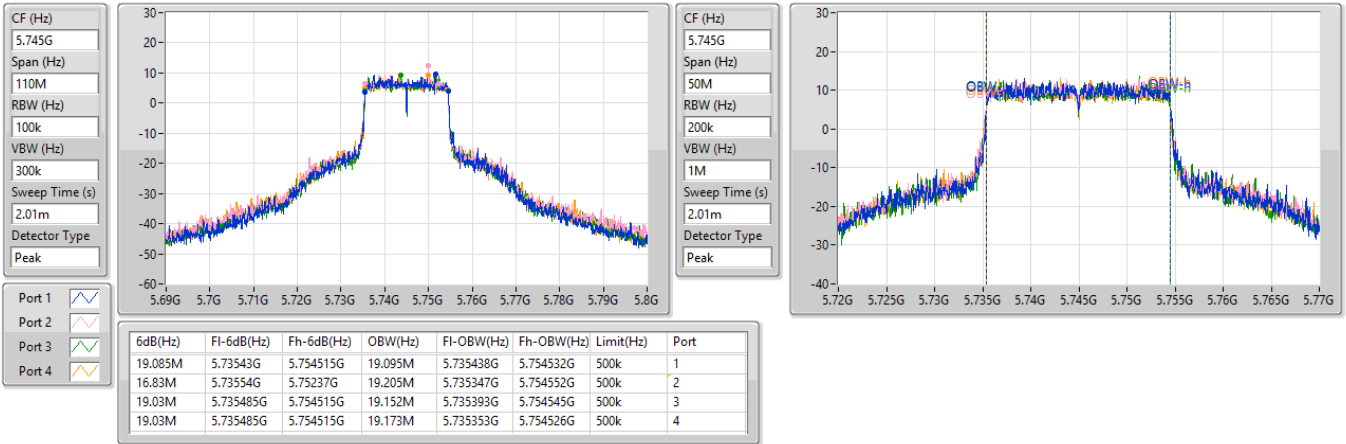


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

30/07/2026

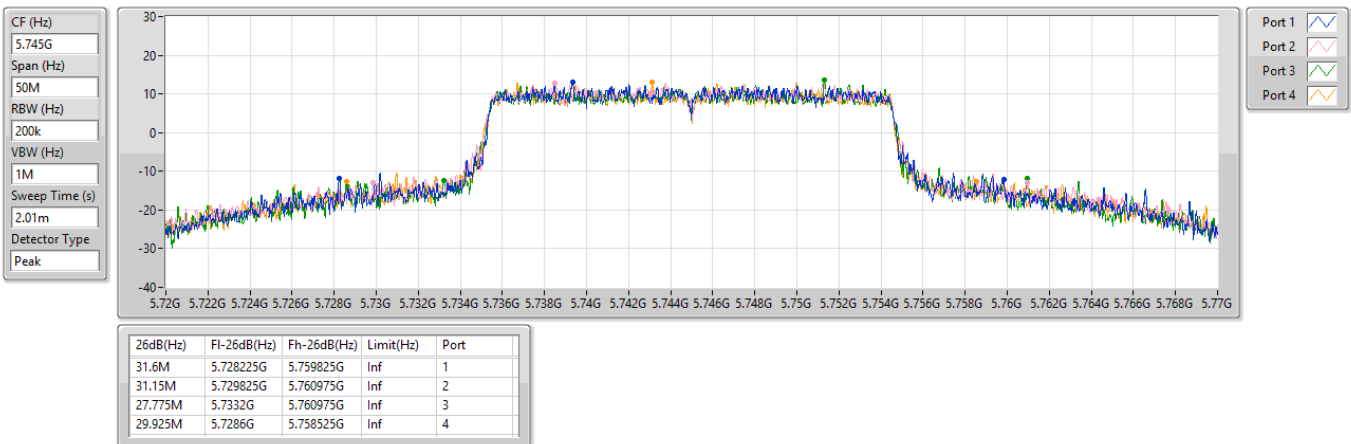


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

30/07/2026

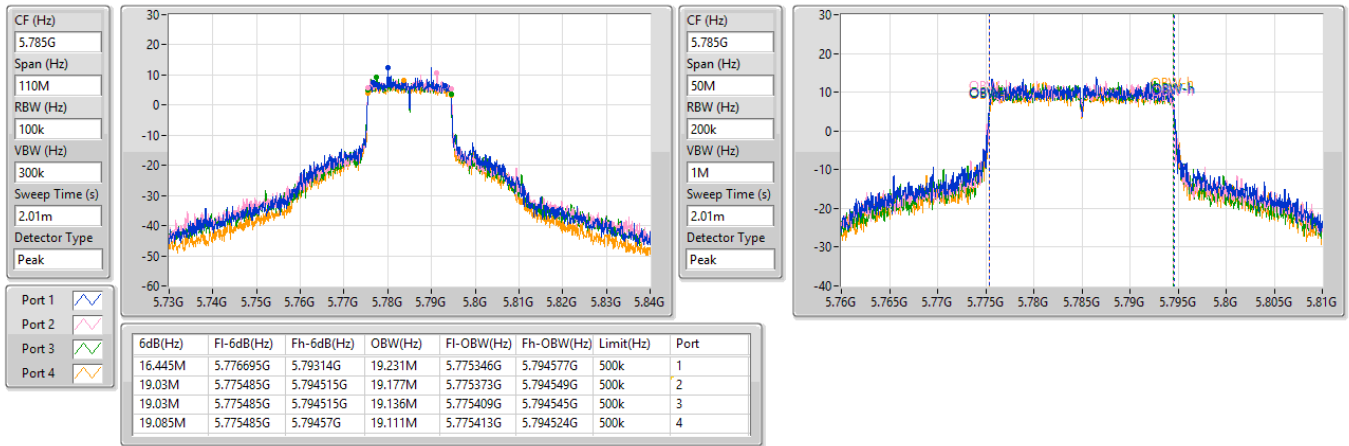


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

30/07/2026

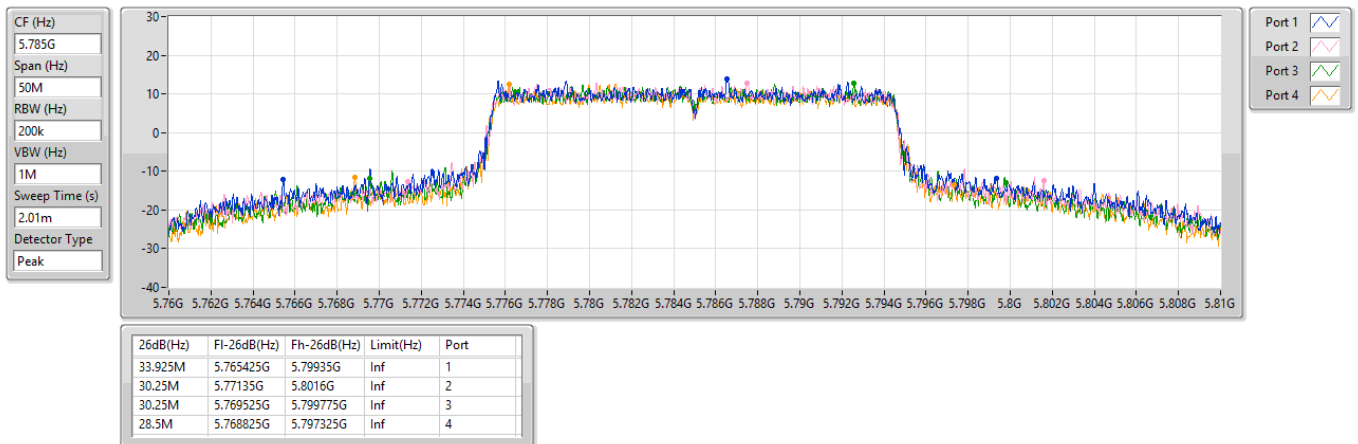


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

30/07/2026

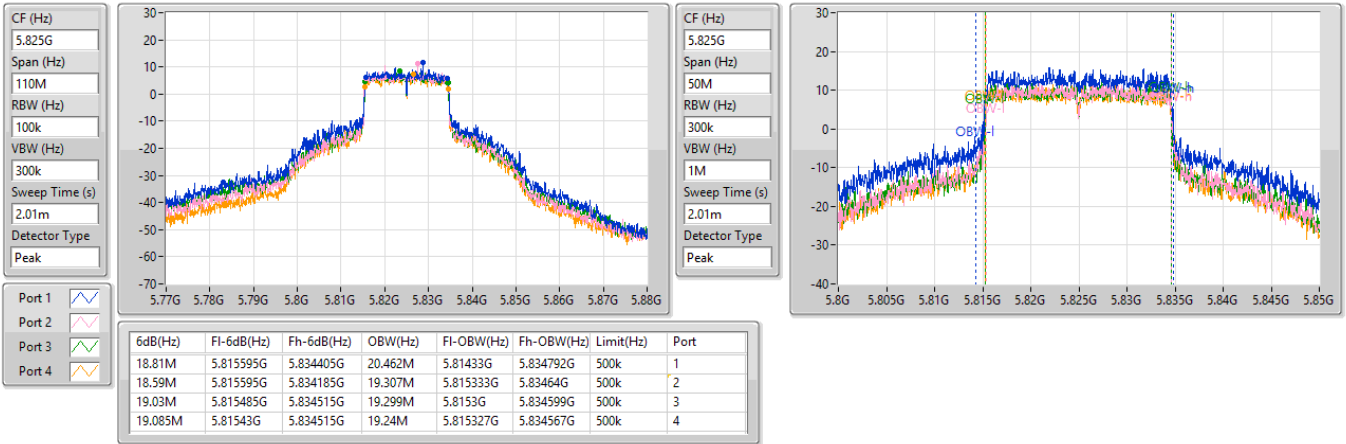


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

30/07/2026

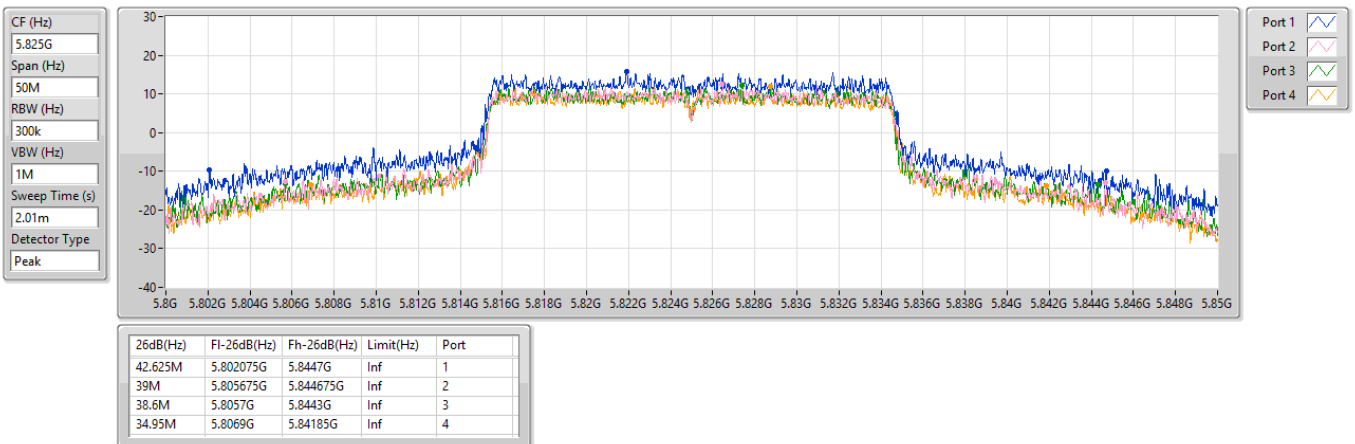


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

30/07/2026

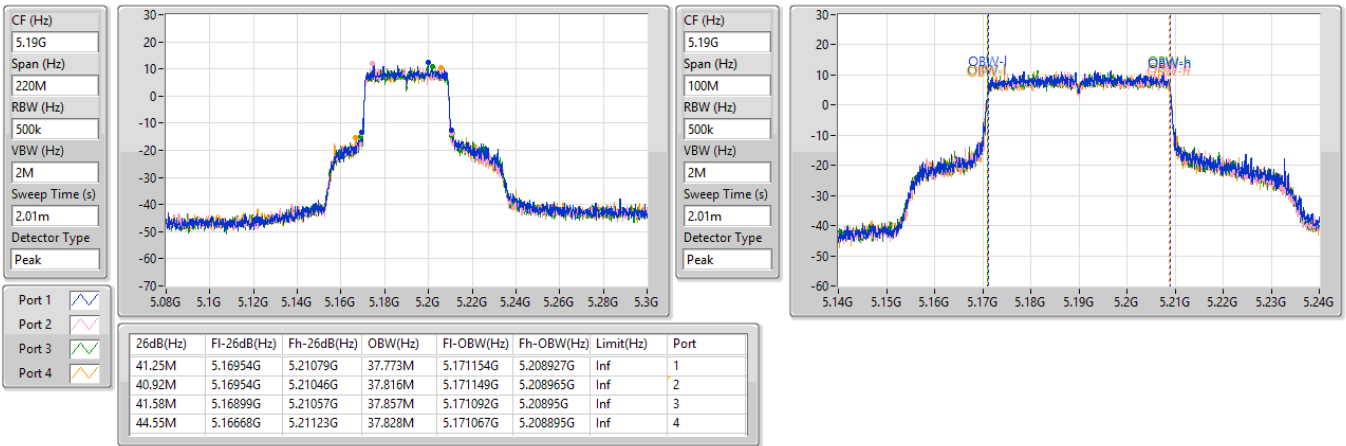


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

30/07/2026

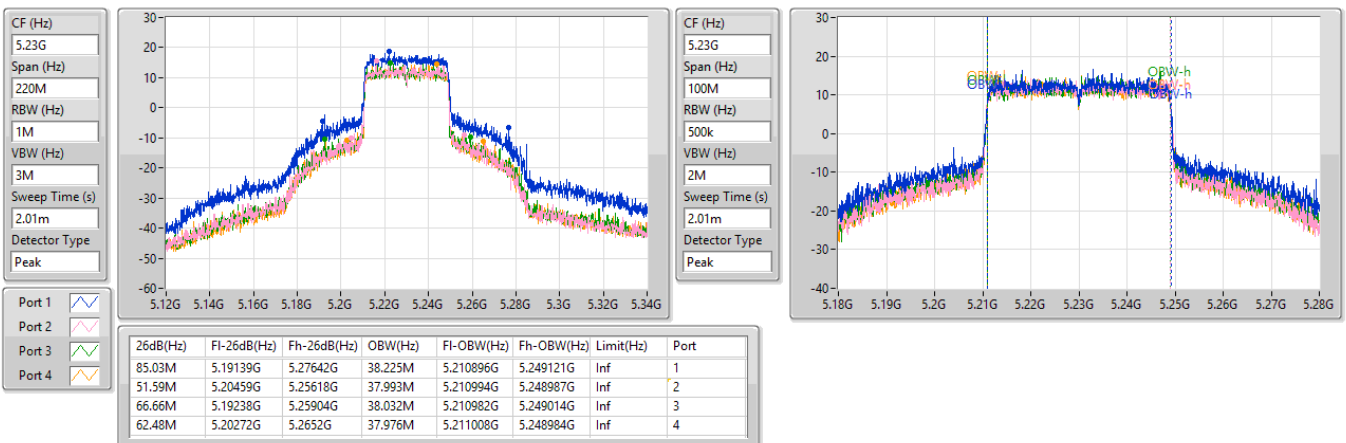


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

30/07/2026

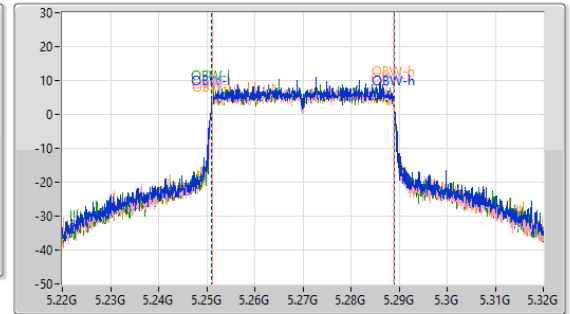
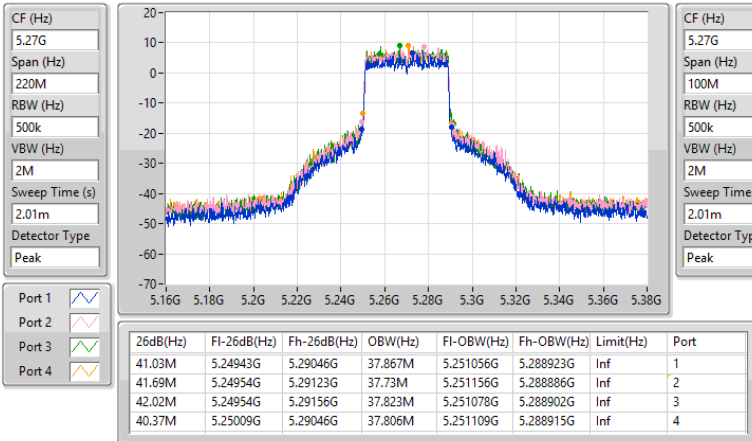


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

30/07/2026

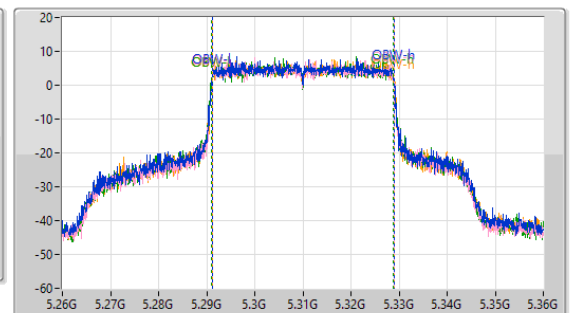
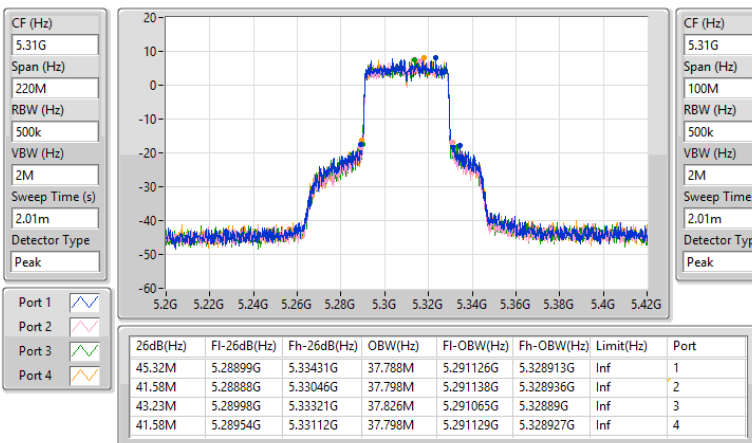


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

30/07/2026

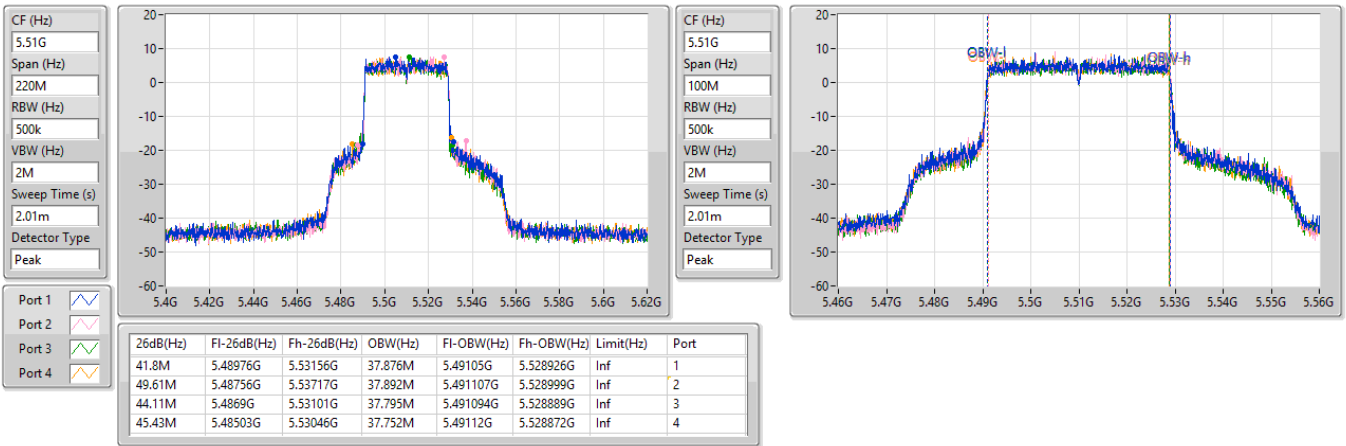


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

30/07/2026

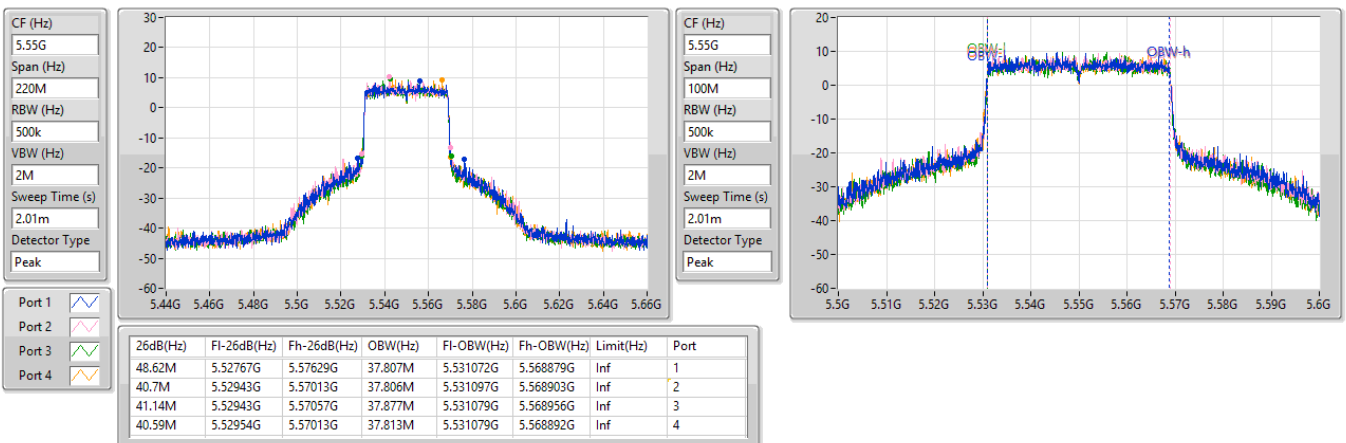


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

30/07/2026

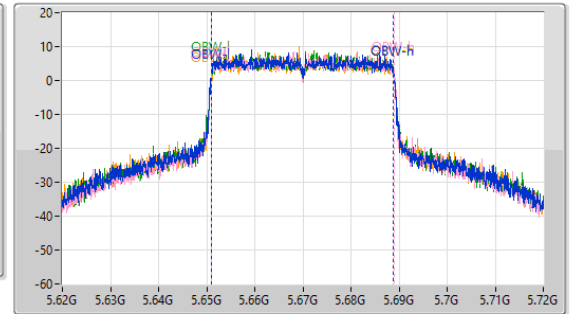
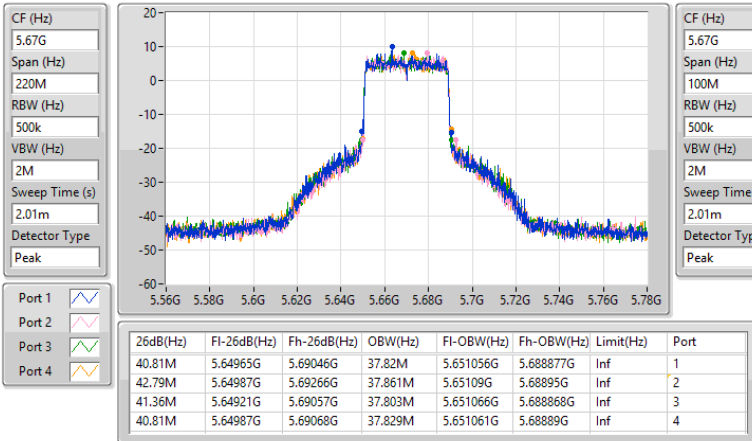


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

30/07/2026

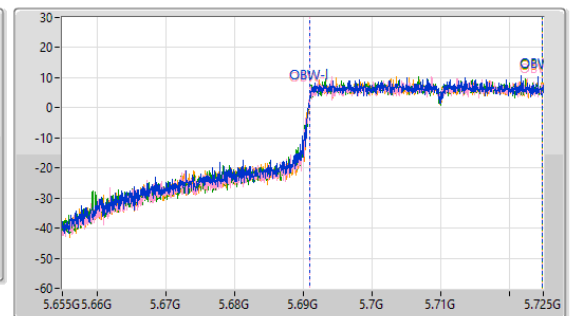
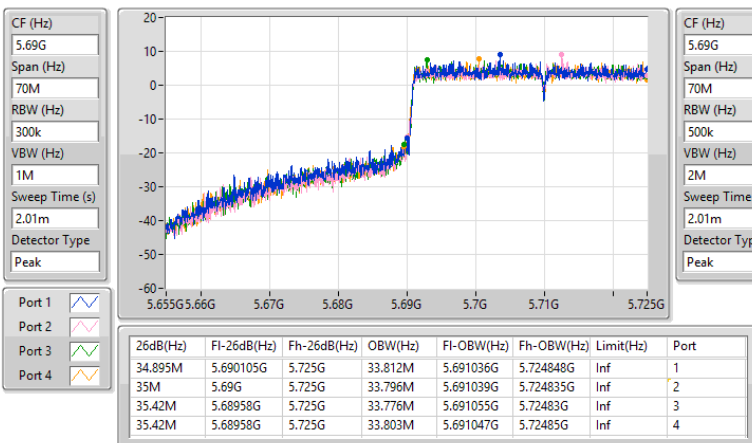


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/07/2026

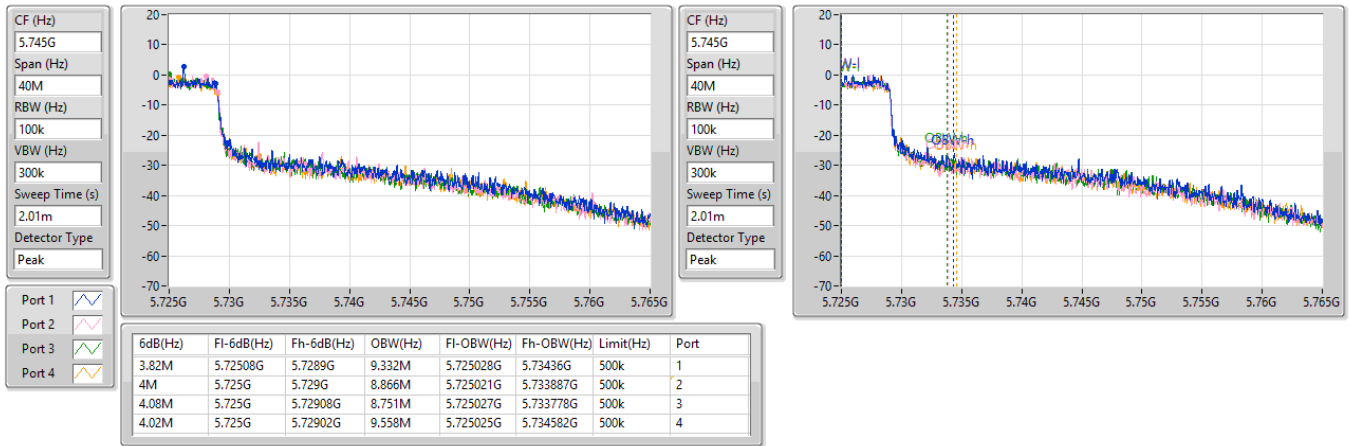


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2026

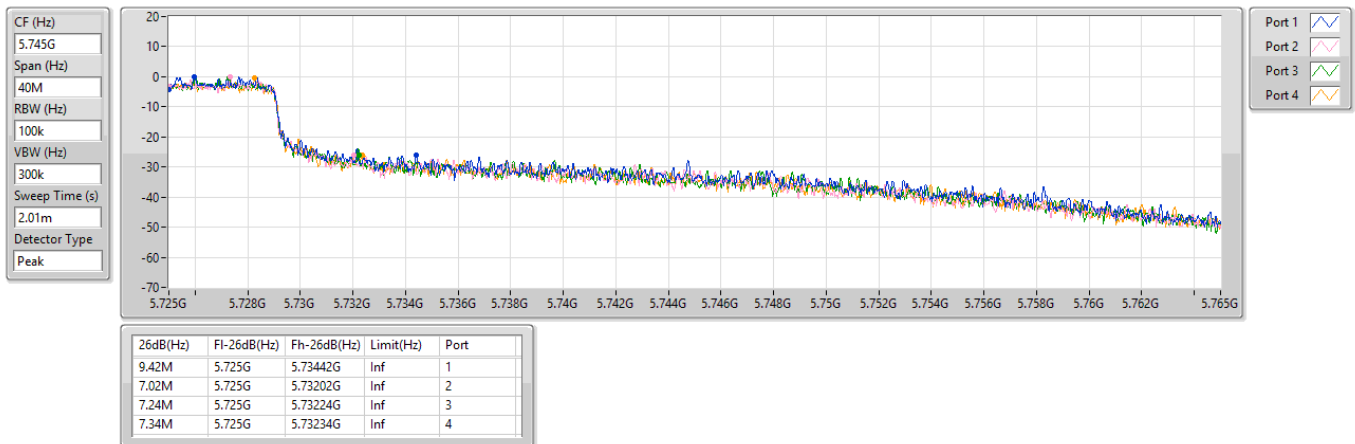


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/07/2026

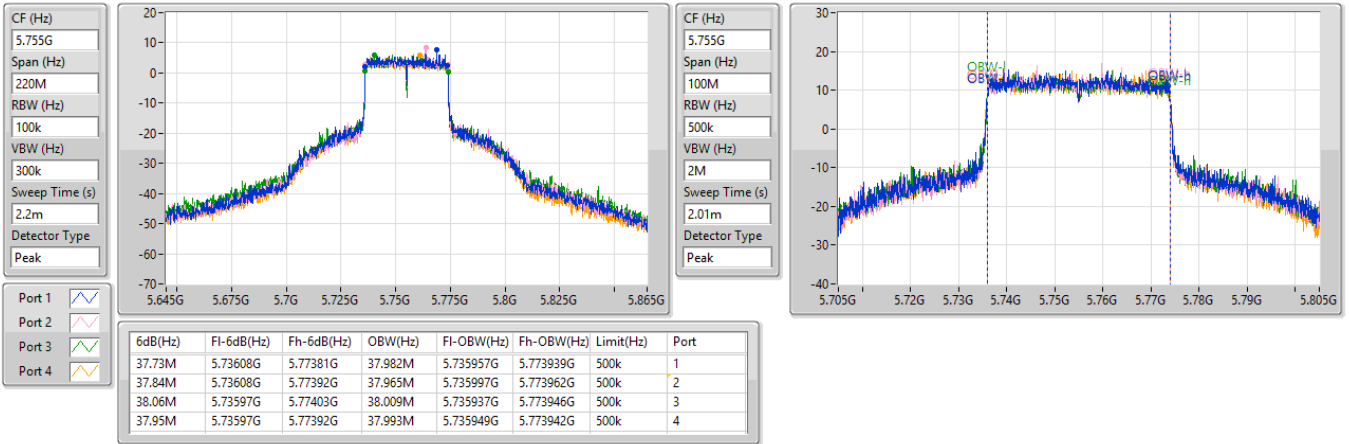


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2026

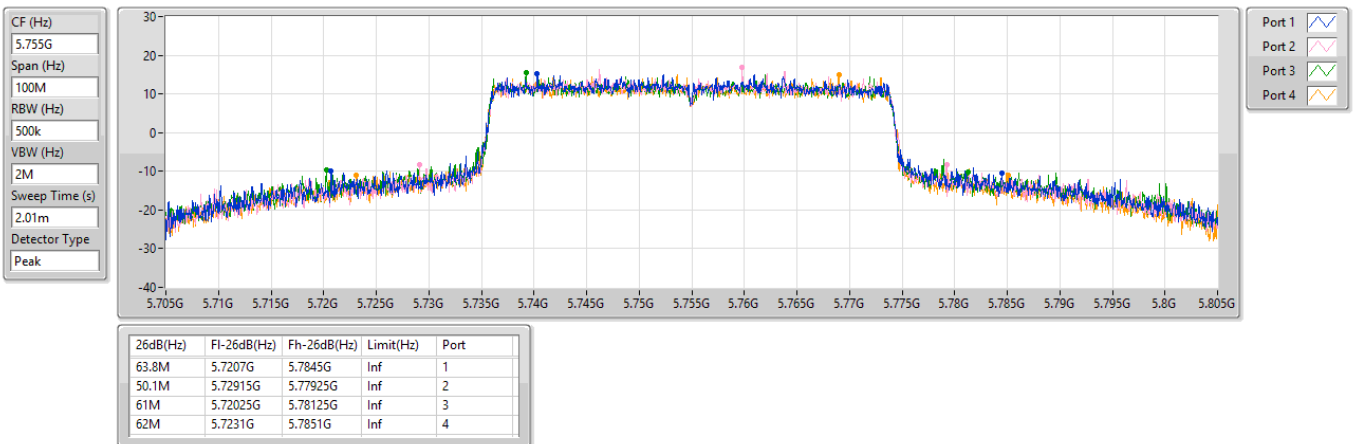


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

30/07/2026

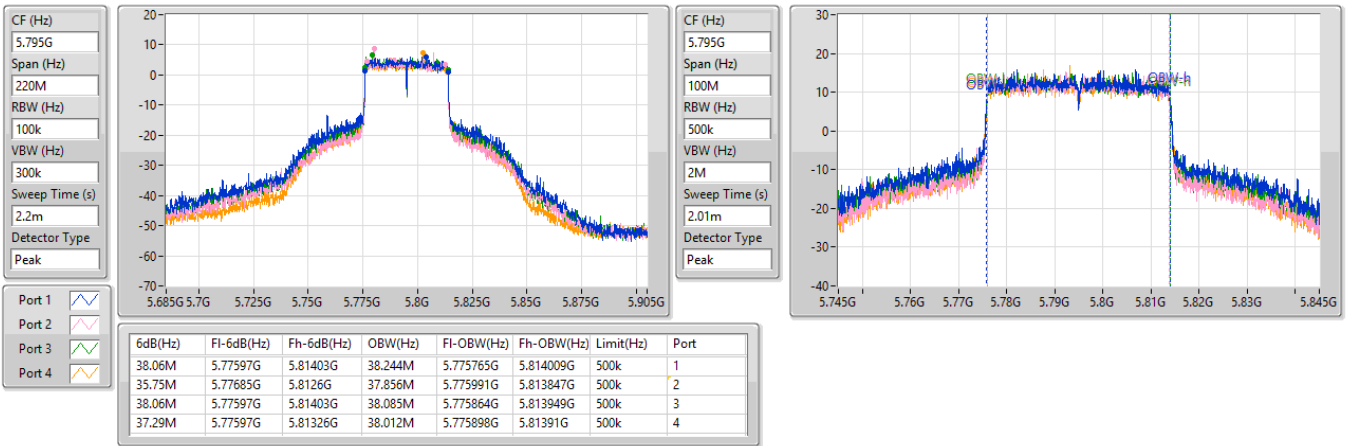


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2026



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

30/07/2026

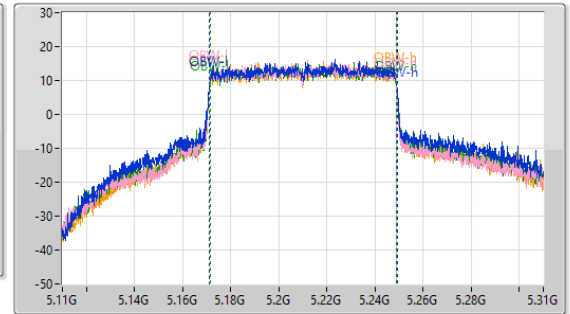
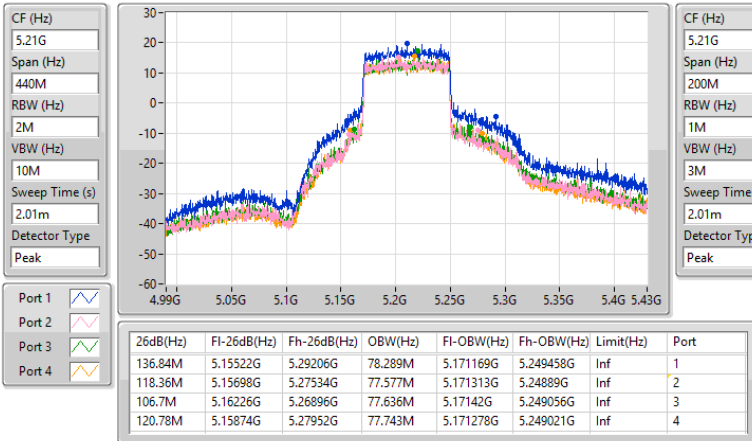


5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

30/07/2026

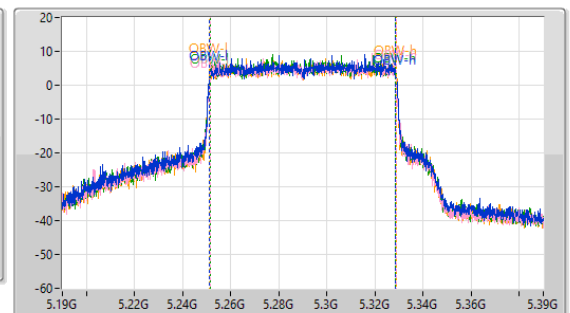
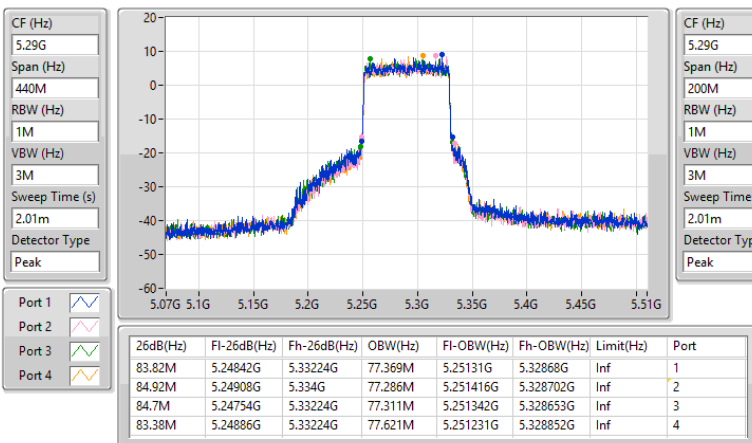


5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

30/07/2026

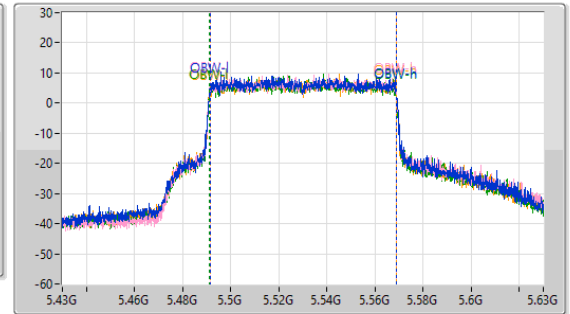
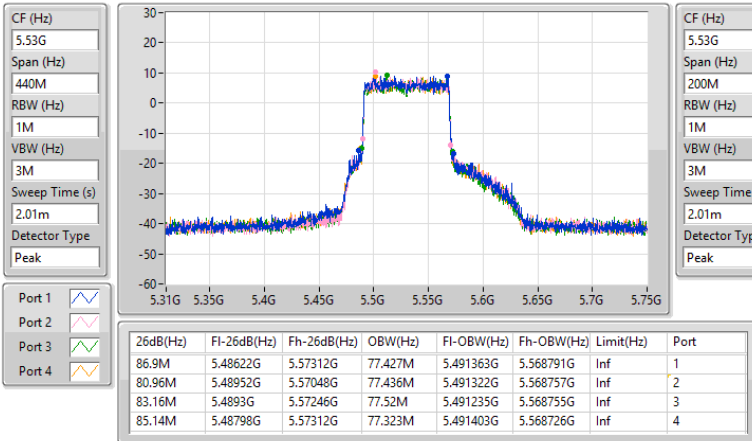


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

30/07/2026

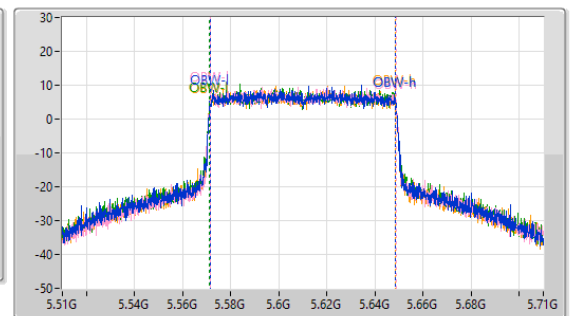
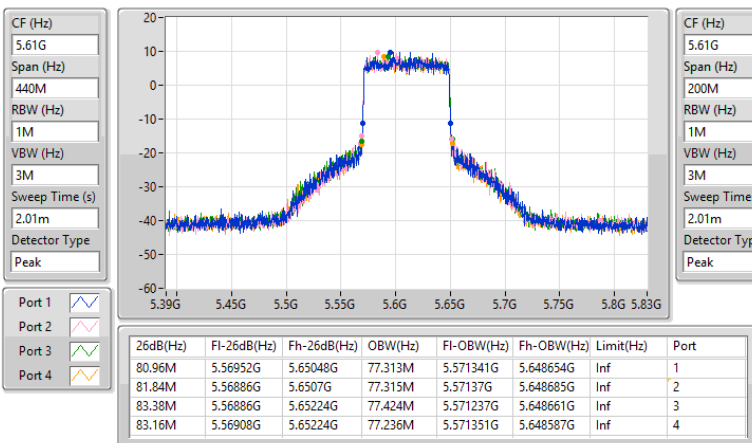


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

30/07/2026

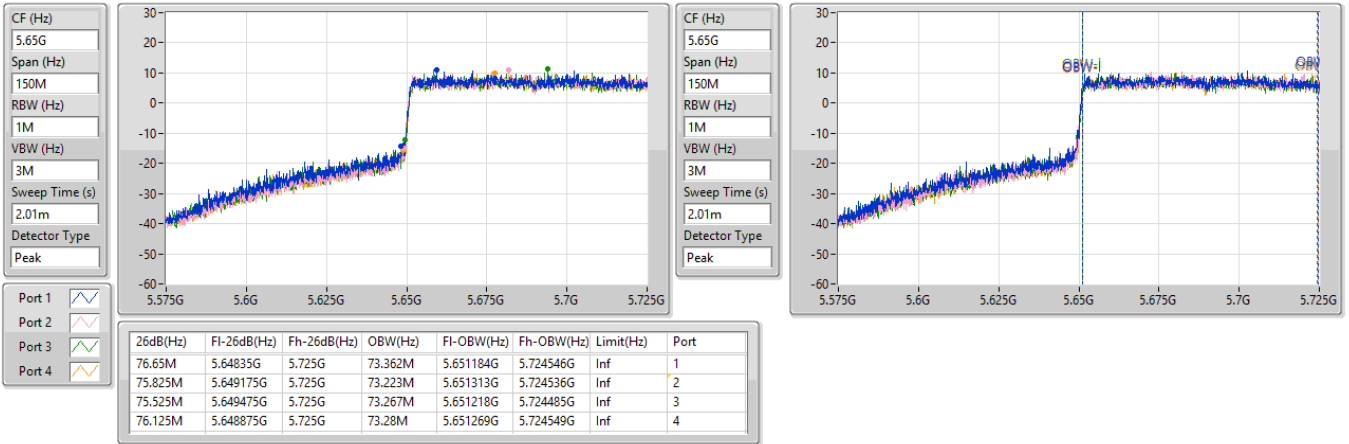


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/07/2026

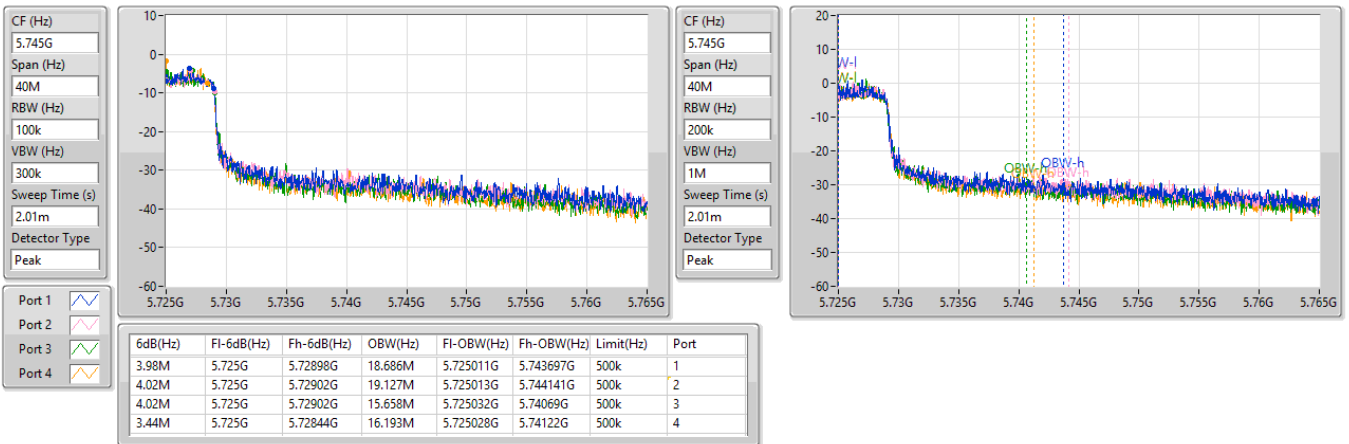


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2026

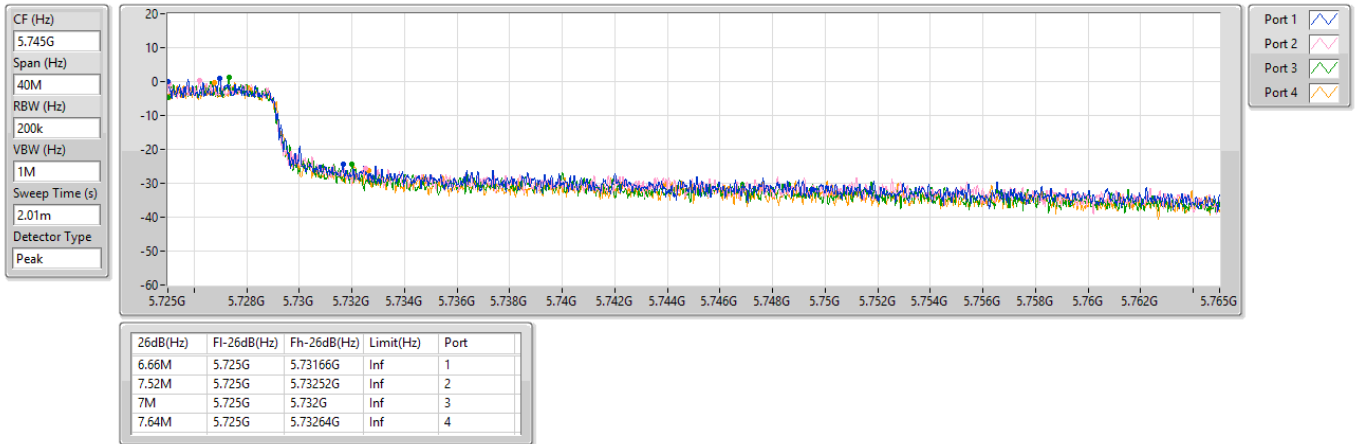


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/07/2026

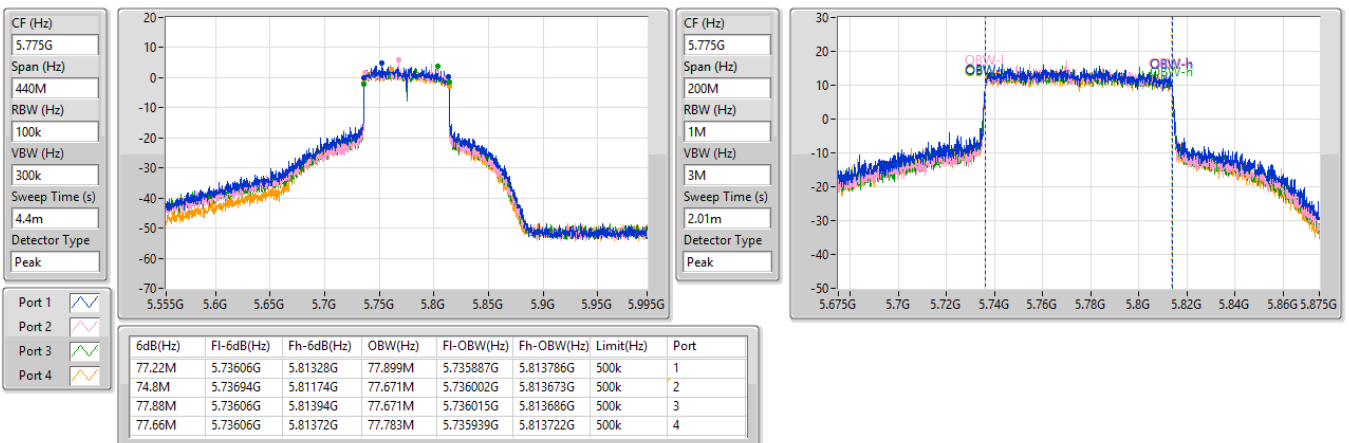


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

30/07/2026

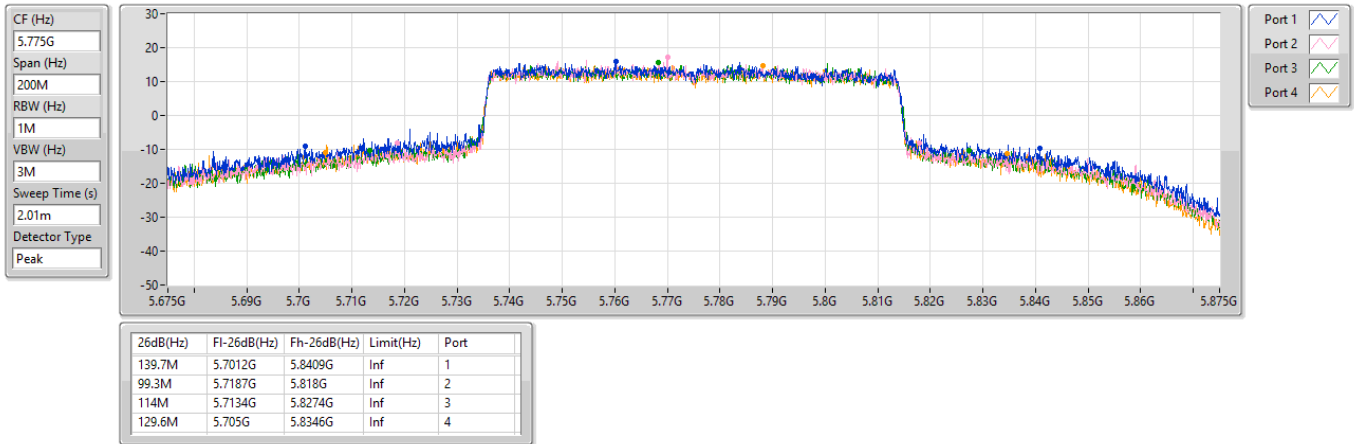


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

30/07/2026

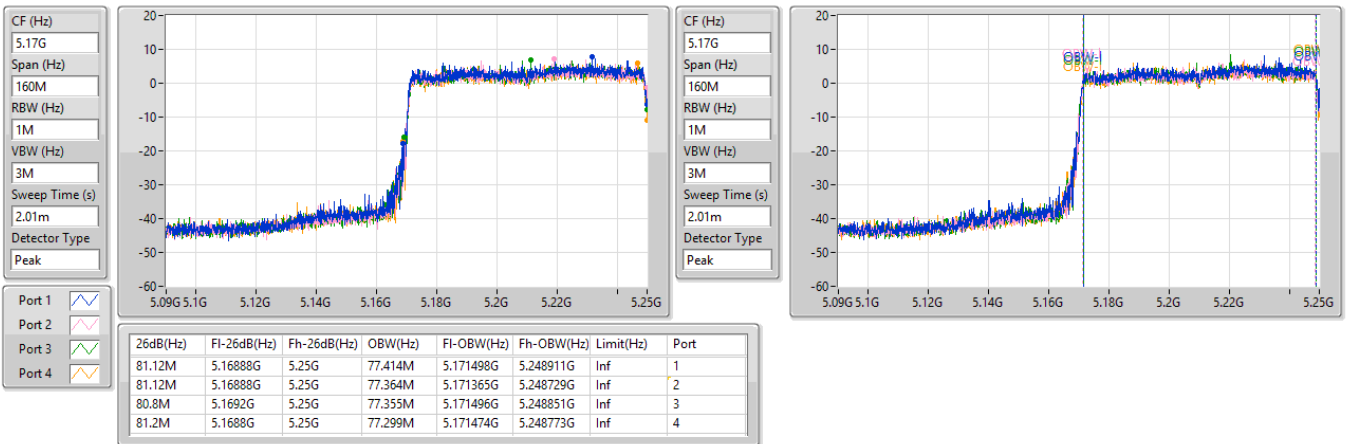


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/07/2026

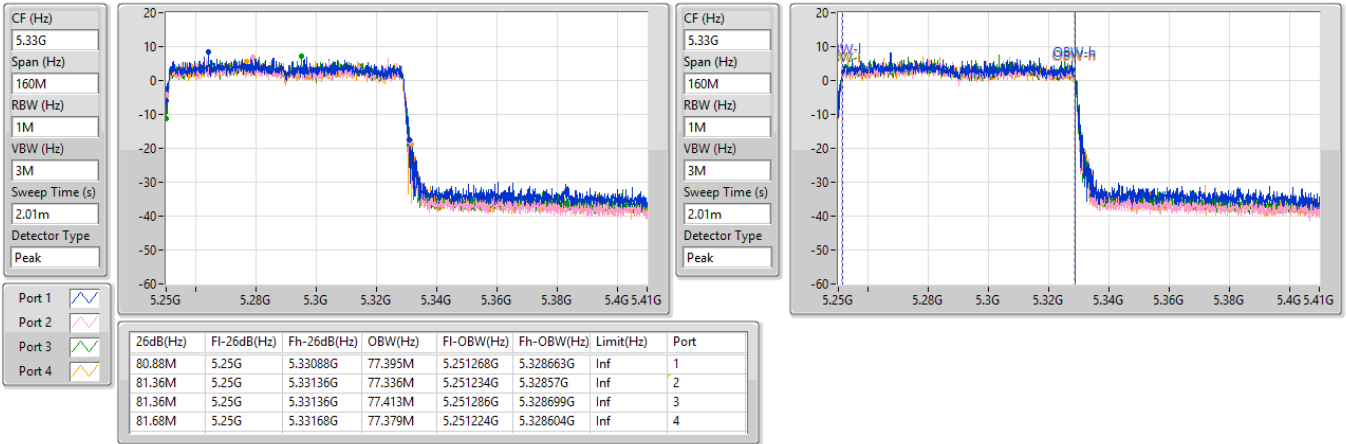


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/07/2026

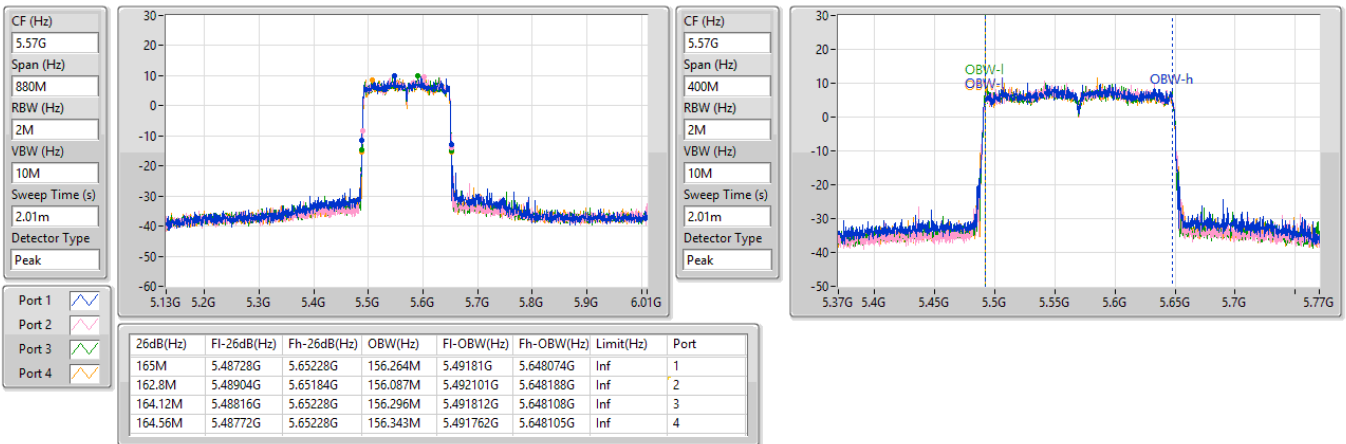


5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

30/07/2026



Summary

Mode	Total Power (dBm)	Total Power (W)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.94	0.98628
802.11ax HEW20_Nss1,(MCS0)_4TX	29.84	0.96383
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.91	0.97949
802.11ax HEW40_Nss1,(MCS0)_4TX	28.07	0.64121
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.84	0.96383
802.11ax HEW80_Nss1,(MCS0)_4TX	23.46	0.22182
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.82	0.95940
802.11ax HEW160_Nss1,(MCS0)_4TX	19.07	0.08072
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	19.96	0.09908
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.89	0.24491
802.11ax HEW20_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW40_Nss1,(MCS0)_4TX	23.84	0.24210
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.81	0.24044
802.11ax HEW80_Nss1,(MCS0)_4TX	22.51	0.17824
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.70	0.18621
802.11ax HEW160_Nss1,(MCS0)_4TX	19.42	0.08750
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	20.37	0.10889
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	23.86	0.24322
802.11ax HEW20_Nss1,(MCS0)_4TX	23.91	0.24604
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.92	0.24660
802.11ax HEW40_Nss1,(MCS0)_4TX	23.95	0.24831
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.94	0.24774
802.11ax HEW80_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.96	0.24889
802.11ax HEW160_Nss1,(MCS0)_4TX	23.11	0.20464
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.53	0.22542
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	29.94	0.98628
802.11ax HEW20_Nss1,(MCS0)_4TX	29.97	0.99312
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	29.85	0.96605
802.11ax HEW40_Nss1,(MCS0)_4TX	29.86	0.96828
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	29.95	0.98855
802.11ax HEW80_Nss1,(MCS0)_4TX	26.98	0.49888
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	29.94	0.98628

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.38	21.39	21.29	21.26	21.45	27.37	30.00
5200MHz	Pass	4.38	23.55	23.03	23.11	23.29	29.27	30.00
5240MHz	Pass	4.38	24.32	23.83	23.77	23.73	29.94	30.00
5260MHz	Pass	4.15	17.88	17.65	17.62	17.79	23.76	23.98
5300MHz	Pass	4.15	18.02	17.65	17.73	18.08	23.89	23.98
5320MHz	Pass	4.15	18.12	17.58	17.67	17.73	23.80	23.98
5500MHz	Pass	5.28	18.13	17.83	17.65	17.68	23.85	23.98
5580MHz	Pass	5.28	17.82	17.91	17.63	17.98	23.86	23.98
5700MHz	Pass	5.28	17.14	16.65	16.51	16.56	22.74	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.28	17.24	16.6	16.53	16.64	22.78	22.96
5720MHz Straddle 5.725-5.85GHz	Pass	5.28	10.97	10.47	10.3	10.37	16.56	30.00
5745MHz	Pass	5.28	24.23	23.79	23.76	23.89	29.94	30.00
5785MHz	Pass	5.28	23.97	23.81	23.66	23.75	29.82	30.00
5825MHz	Pass	5.28	24.07	23.75	23.77	23.62	29.83	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	4.38	21.28	21.13	21.03	21.11	27.16	30.00
5200MHz	Pass	4.38	22.64	22.71	22.19	22.48	28.53	30.00
5240MHz	Pass	4.38	24.19	23.65	23.68	23.73	29.84	30.00
5260MHz	Pass	4.15	18.08	17.62	17.89	17.87	23.89	23.98
5300MHz	Pass	4.15	18.18	17.64	17.75	18.02	23.92	23.98
5320MHz	Pass	4.15	18.04	17.37	17.42	17.69	23.66	23.98
5500MHz	Pass	5.28	18.22	17.93	17.51	17.85	23.91	23.98
5580MHz	Pass	5.28	17.93	17.86	17.28	17.97	23.79	23.98
5700MHz	Pass	5.28	16.61	15.94	16.05	15.97	22.17	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.28	17.46	16.82	16.84	16.85	23.02	23.11
5720MHz Straddle 5.725-5.85GHz	Pass	5.28	12.08	11.59	11.56	11.54	17.72	30.00
5745MHz	Pass	5.28	24.06	23.82	23.67	23.73	29.84	30.00
5785MHz	Pass	5.28	24.23	23.72	23.89	23.93	29.97	30.00
5825MHz	Pass	5.28	24.28	23.95	23.79	23.72	29.96	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	4.38	16.79	16.56	16.41	16.53	22.60	30.00
5230MHz	Pass	4.38	22.14	21.93	21.96	22.18	28.07	30.00
5270MHz	Pass	4.15	17.89	17.59	17.81	17.96	23.84	23.98
5310MHz	Pass	4.15	14.81	14.71	14.59	14.73	20.73	23.98
5510MHz	Pass	5.28	16.73	16.22	16.18	16.51	22.44	23.98
5550MHz	Pass	5.28	18.13	17.88	17.57	18.12	23.95	23.98
5670MHz	Pass	5.28	18.01	17.35	17.78	17.83	23.77	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.28	18.23	17.65	17.73	17.64	23.84	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.28	8.33	7.94	8.01	7.8	14.04	30.00
5755MHz	Pass	5.28	24.02	23.67	23.18	23.71	29.68	30.00
5795MHz	Pass	5.28	24.09	23.71	23.55	23.99	29.86	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	4.38	17.67	17.31	17.19	17.56	23.46	30.00
5290MHz	Pass	4.15	16.82	16.34	16.38	16.42	22.51	23.98
5530MHz	Pass	5.28	17.75	17.14	17.11	17.38	23.37	23.98
5610MHz	Pass	5.28	17.75	17.85	17.94	18.12	23.94	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.28	18.24	17.74	17.85	17.91	23.96	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.28	4.78	4.4	4.36	4.45	10.52	30.00
5775MHz	Pass	5.28	21.21	21.06	20.65	20.91	26.98	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	4.38	13.32	13.07	12.87	12.94	19.07	30.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.15	13.62	13.22	13.32	13.44	19.42	23.98
5570MHz	Pass	5.28	17.38	16.93	16.77	17.26	23.11	23.98
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-



Average Power

Appendix C

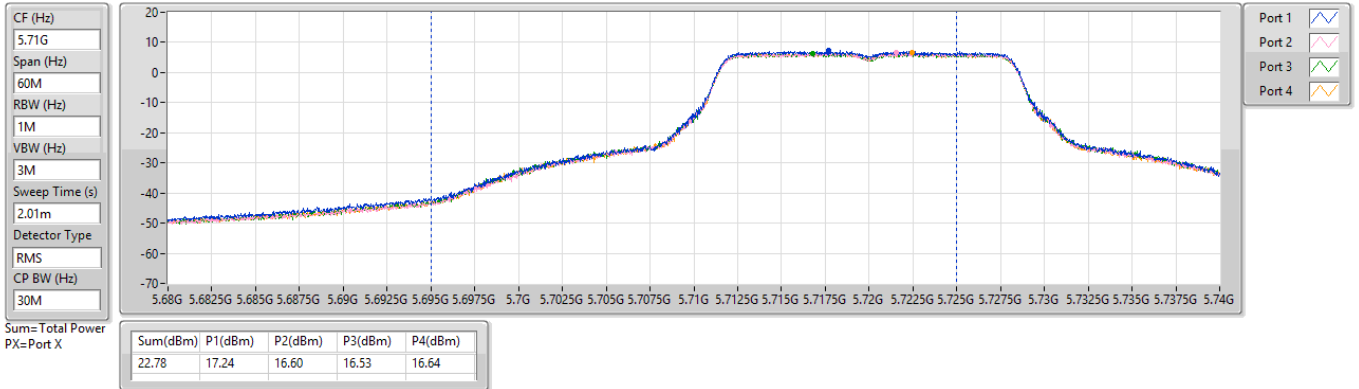
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
5180MHz	Pass	6.04	23.96	23.84	23.89	23.64	29.85	29.96
5200MHz	Pass	6.04	24.15	23.81	23.65	23.57	29.82	29.96
5240MHz	Pass	6.04	24.34	23.95	23.72	23.52	29.91	29.96
5260MHz	Pass	6.04	18.31	17.77	17.85	17.62	23.92	23.94
5300MHz	Pass	6.04	18.12	17.65	17.73	17.58	23.80	23.94
5320MHz	Pass	6.04	18.21	17.67	17.59	17.54	23.78	23.94
5500MHz	Pass	5.71	17.97	18.03	17.57	17.33	23.76	23.98
5580MHz	Pass	5.71	18.04	18.17	17.63	17.75	23.92	23.98
5700MHz	Pass	5.71	15.95	15.51	15.42	15.52	21.63	23.98
5720MHz Straddle 5.47-5.725GHz	Pass	5.71	17.26	16.95	16.90	16.70	22.98	23.07
5720MHz Straddle 5.725-5.85GHz	Pass	5.75	11.99	11.69	11.64	11.43	17.71	30.00
5745MHz	Pass	5.75	24.09	23.93	23.66	23.64	29.85	30.00
5785MHz	Pass	5.75	24.04	23.97	23.89	23.36	29.84	30.00
5825MHz	Pass	5.75	24.41	23.75	23.54	23.25	29.78	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.04	20.29	19.81	19.73	19.67	25.90	29.96
5230MHz	Pass	6.04	24.41	23.73	23.65	23.42	29.84	29.96
5270MHz	Pass	6.04	18.18	17.77	17.60	17.56	23.81	23.94
5310MHz	Pass	6.04	16.96	16.62	16.48	16.66	22.70	23.94
5510MHz	Pass	5.71	17.03	16.98	16.67	16.75	22.88	23.98
5550MHz	Pass	5.71	18.01	18.16	17.64	17.86	23.94	23.98
5670MHz	Pass	5.71	17.11	17.06	17.36	16.87	23.12	23.98
5710MHz Straddle 5.47-5.725GHz	Pass	5.71	18.12	17.72	17.88	17.71	23.88	23.98
5710MHz Straddle 5.725-5.85GHz	Pass	5.75	8.30	8.05	8.21	7.91	14.14	30.00
5755MHz	Pass	5.75	24.17	23.98	23.90	23.54	29.92	30.00
5795MHz	Pass	5.75	24.33	23.76	24.02	23.58	29.95	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.04	24.32	23.55	23.71	23.59	29.82	29.96
5290MHz	Pass	6.04	17.05	16.46	16.68	16.51	22.70	23.94
5530MHz	Pass	5.71	17.85	17.71	17.32	17.43	23.60	23.98
5610MHz	Pass	5.71	18.01	17.84	17.98	17.73	23.91	23.98
5690MHz Straddle 5.47-5.725GHz	Pass	5.71	18.23	17.95	17.85	17.73	23.96	23.98
5690MHz Straddle 5.725-5.85GHz	Pass	5.75	4.69	4.71	4.48	4.16	10.54	30.00
5775MHz	Pass	5.75	24.34	23.92	23.75	23.63	29.94	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.04	14.50	13.82	13.91	13.48	19.96	29.96
5250MHz Straddle 5.25-5.35GHz	Pass	6.04	14.88	14.06	14.43	13.98	20.37	23.94
5570MHz	Pass	5.71	17.72	17.48	17.45	17.39	23.53	23.98

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

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

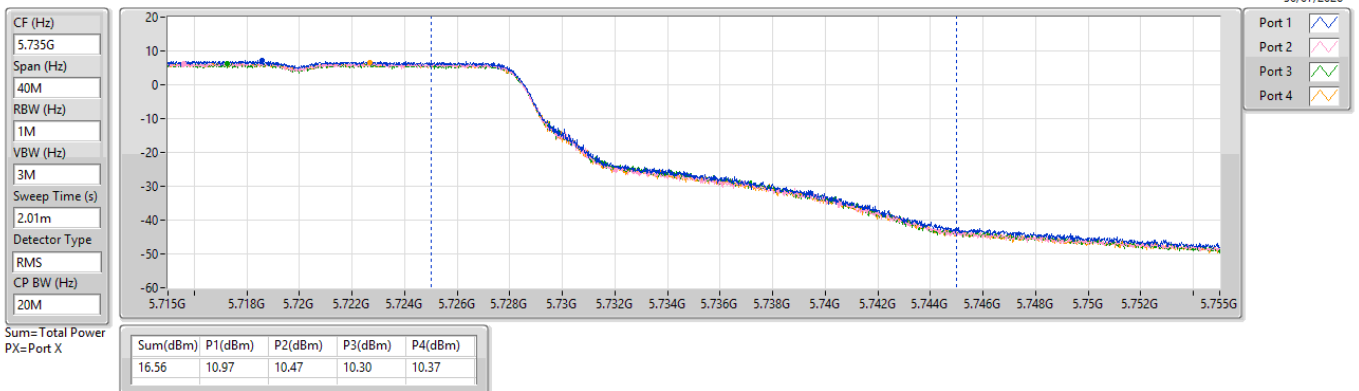
5720MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

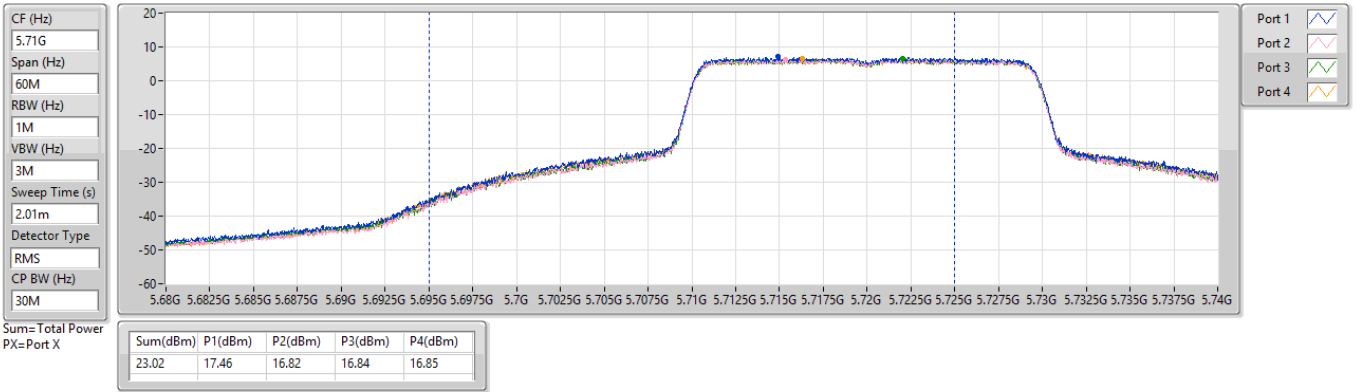
5720MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

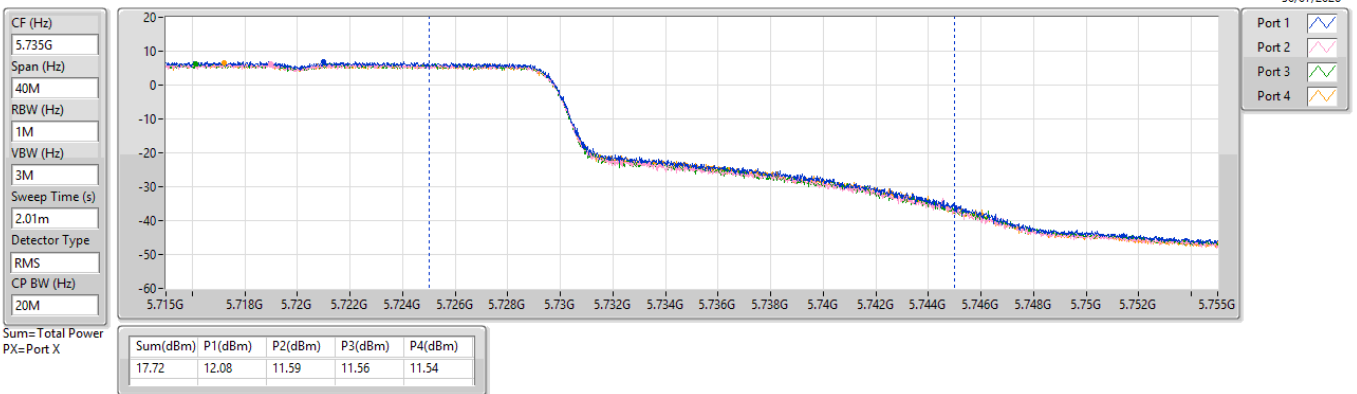
5720MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

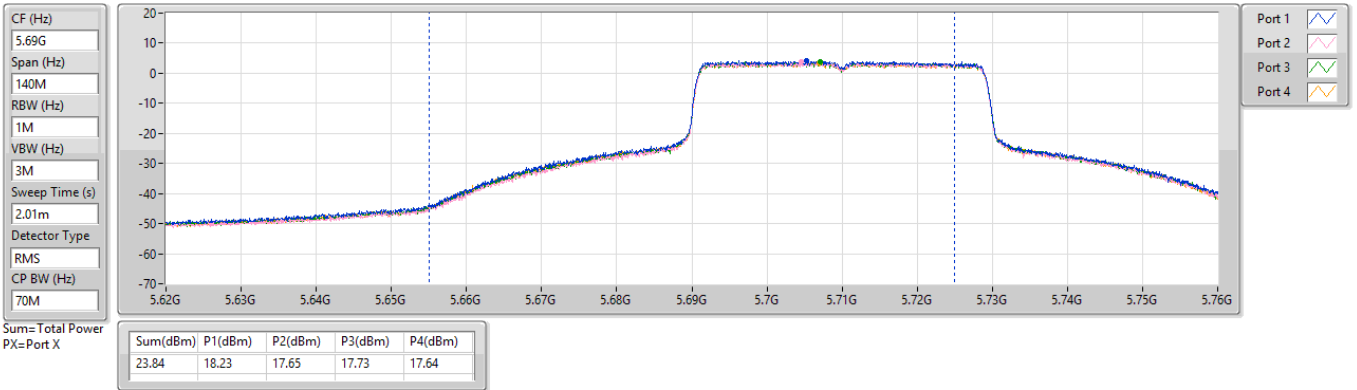
5720MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

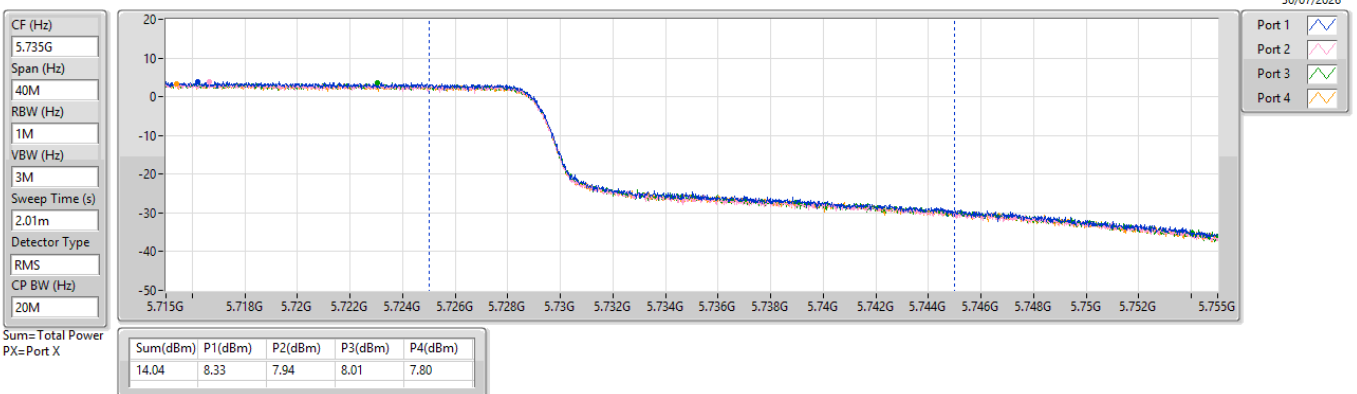
5710MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

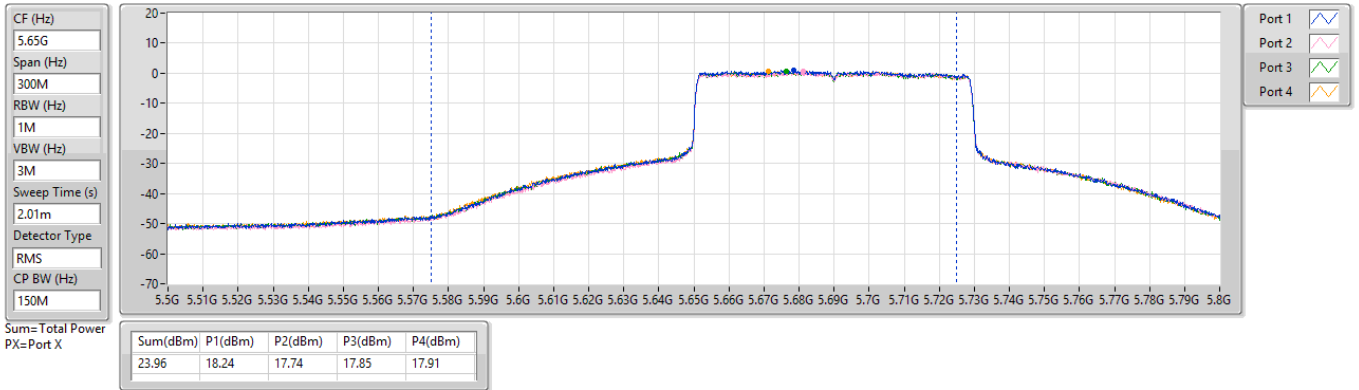
5710MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

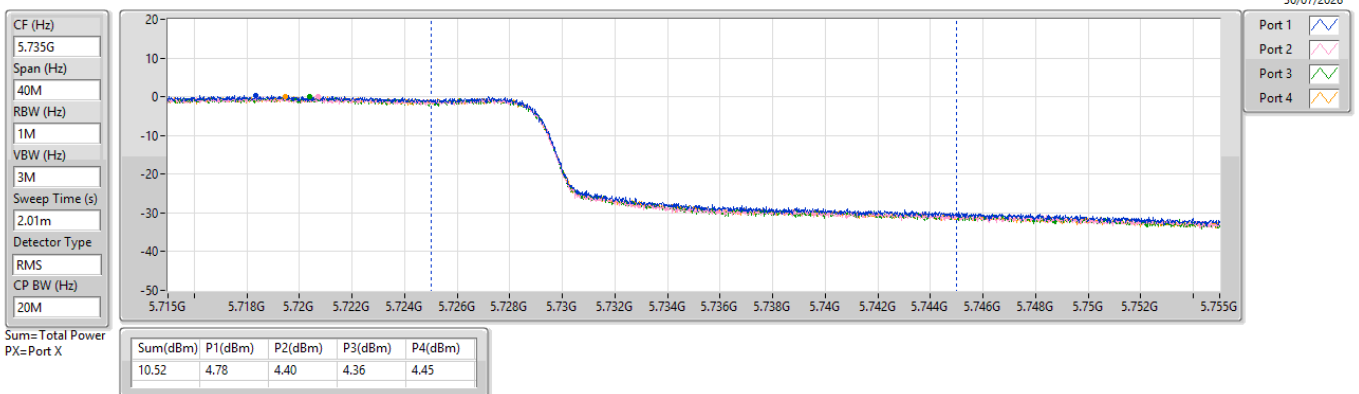
5690MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

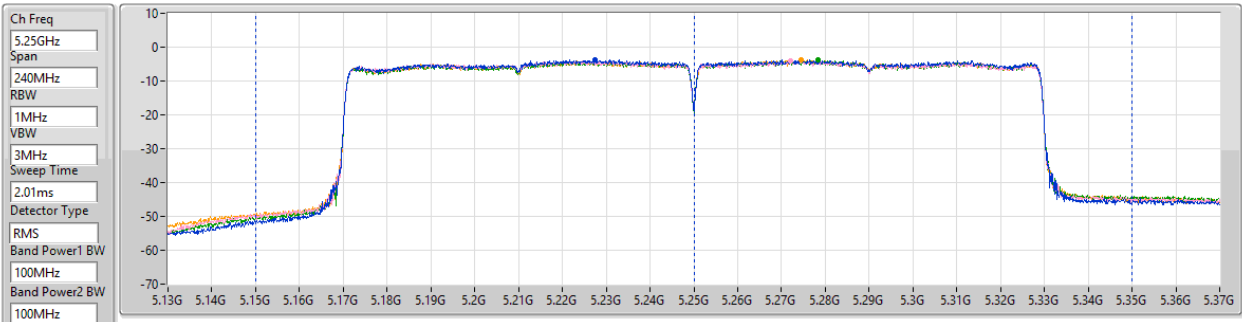


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

30/07/2026



Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.07	13.32	13.07	12.87	12.94

5250~5350MHz

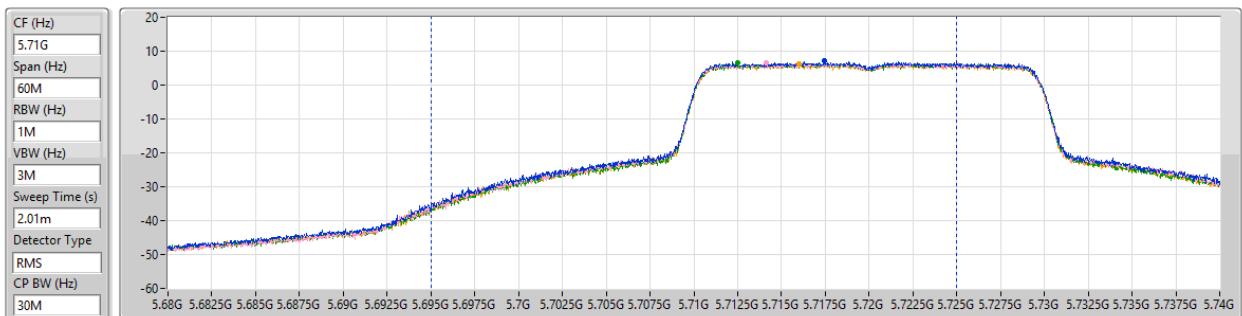
Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
19.42	13.62	13.22	13.32	13.44

5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

30/07/2026



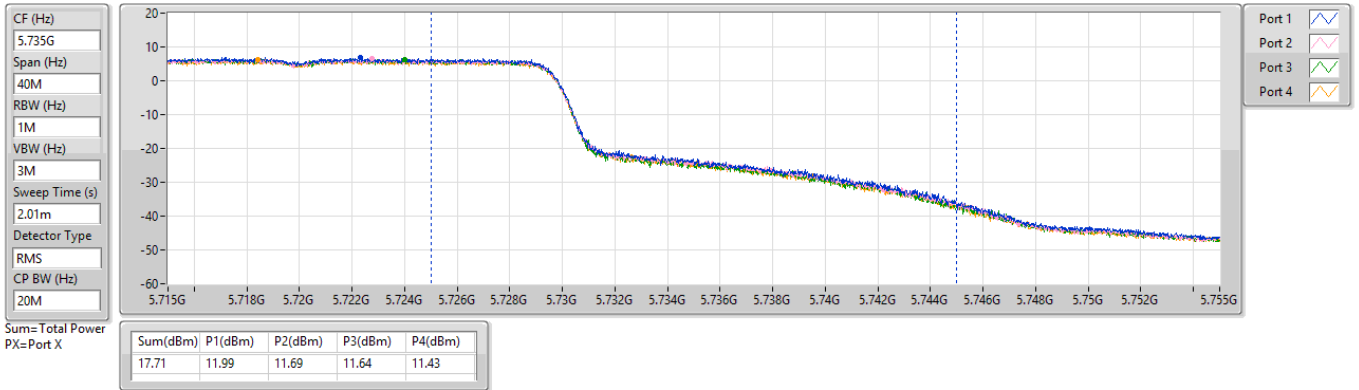
Sum= Total Power
PX=Port X

Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
22.98	17.26	16.95	16.90	16.70

5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

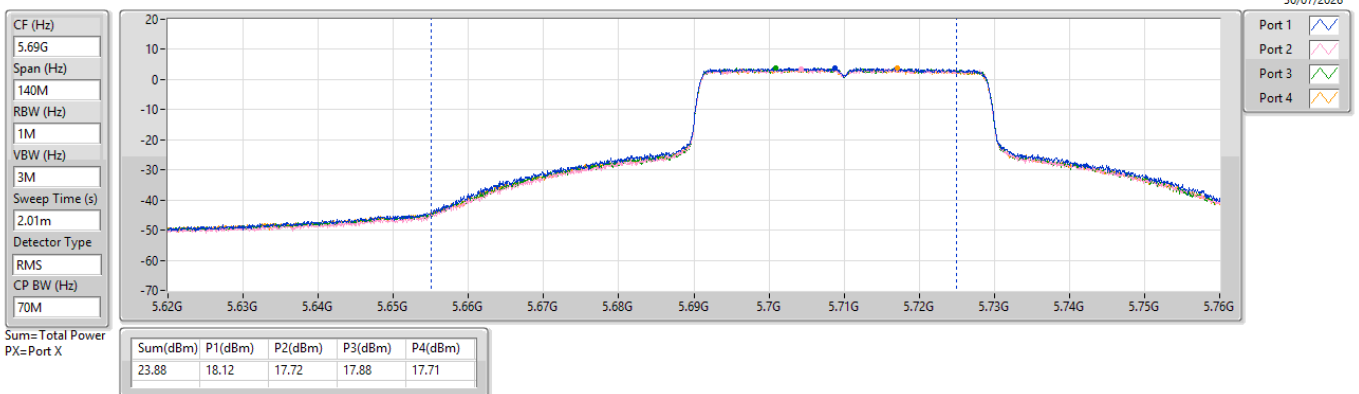
5720MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

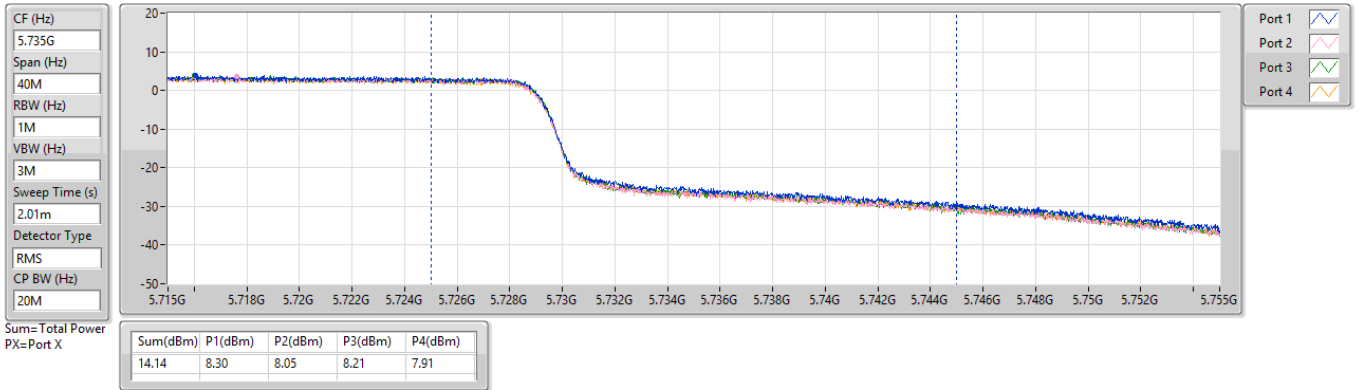
5710MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

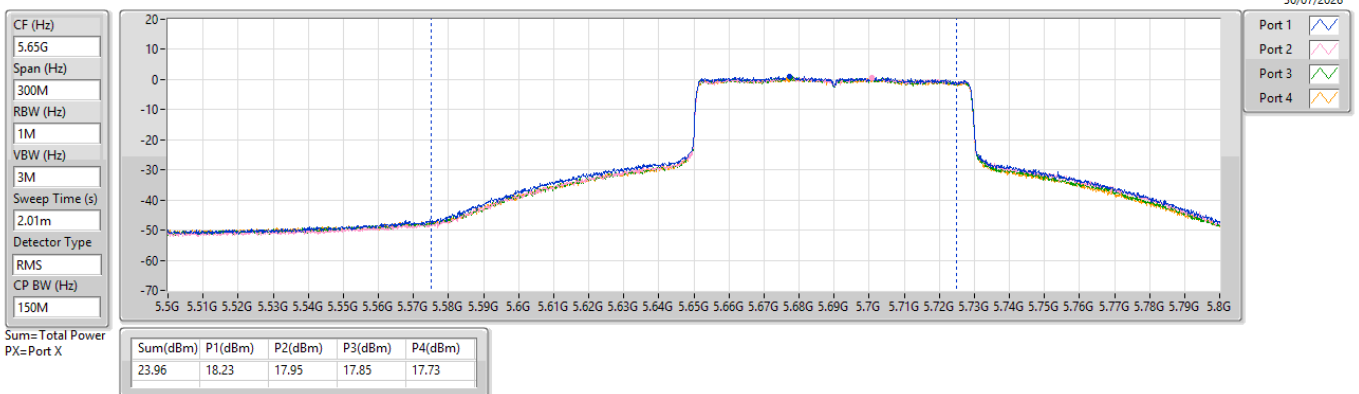
5710MHz Straddle 5.725-5.85GHz_TX



5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

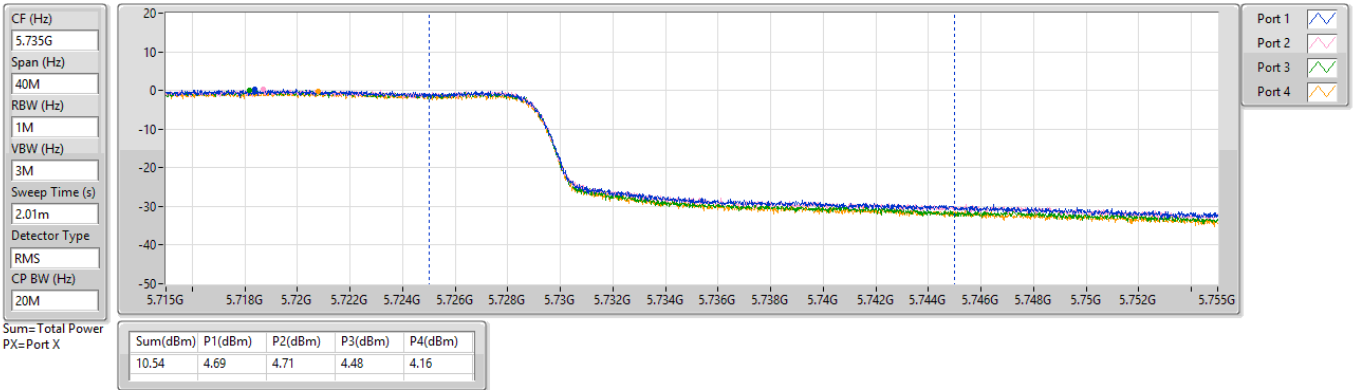
5690MHz Straddle 5.47-5.725GHz_TX



5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

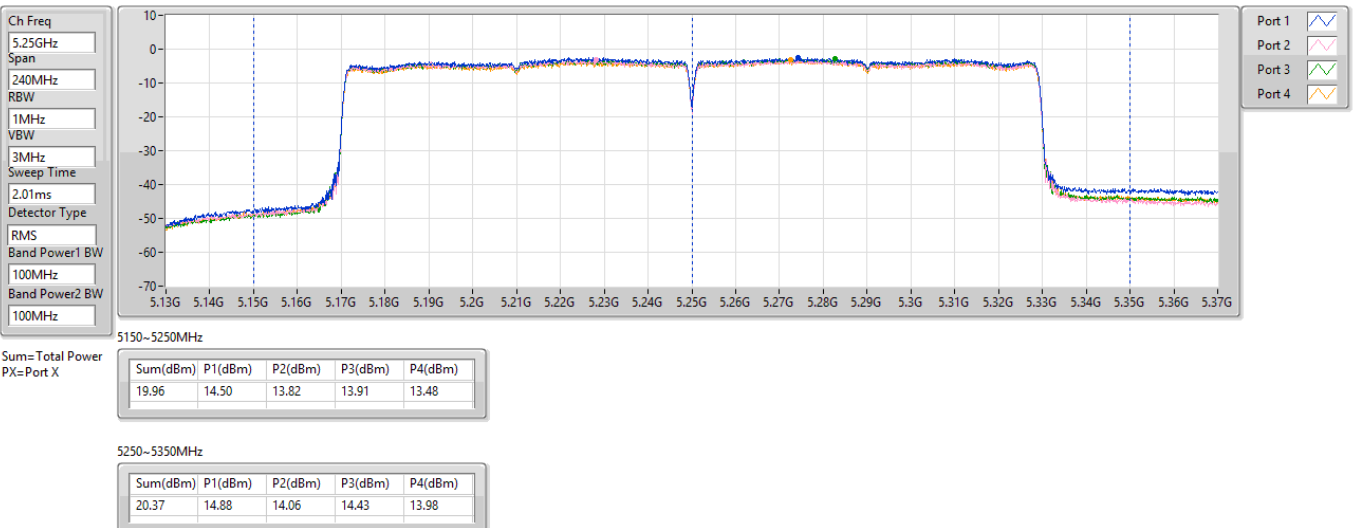
5690MHz Straddle 5.725-5.85GHz_TX



5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX



Summary

Mode	PD (dBm/RBW)
5.15-5.25GHz	-
802.11a_Nss1,(6Mbps)_4TX	16.55
802.11ax HEW20_Nss1,(MCS0)_4TX	16.05
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.24
802.11ax HEW40_Nss1,(MCS0)_4TX	11.53
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	13.57
802.11ax HEW80_Nss1,(MCS0)_4TX	3.78
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	10.35
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.03
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.84
5.25-5.35GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.43
802.11ax HEW20_Nss1,(MCS0)_4TX	10.25
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.26
802.11ax HEW40_Nss1,(MCS0)_4TX	7.15
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.25
802.11ax HEW80_Nss1,(MCS0)_4TX	2.91
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.19
802.11ax HEW160_Nss1,(MCS0)_4TX	0.04
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.02
5.47-5.725GHz	-
802.11a_Nss1,(6Mbps)_4TX	10.57
802.11ax HEW20_Nss1,(MCS0)_4TX	10.36
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	10.32
802.11ax HEW40_Nss1,(MCS0)_4TX	7.59
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	7.63
802.11ax HEW80_Nss1,(MCS0)_4TX	4.67
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.66
802.11ax HEW160_Nss1,(MCS0)_4TX	0.81
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	1.23
5.725-5.85GHz	-
802.11a_Nss1,(6Mbps)_4TX	14.70
802.11ax HEW20_Nss1,(MCS0)_4TX	14.28
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.23
802.11ax HEW40_Nss1,(MCS0)_4TX	11.39
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.56
802.11ax HEW80_Nss1,(MCS0)_4TX	5.79
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	8.69

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

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.04	8.25	8.12	8.15	8.33	14.15	16.96
5200MHz	Pass	6.04	10.53	10.28	10.06	10.22	16.18	16.96
5240MHz	Pass	6.04	10.97	10.60	10.33	10.55	16.55	16.96
5260MHz	Pass	6.04	4.71	4.33	4.40	4.47	10.39	10.96
5300MHz	Pass	6.04	4.62	4.42	4.38	4.50	10.41	10.96
5320MHz	Pass	6.04	4.59	4.39	4.43	4.56	10.43	10.96
5500MHz	Pass	5.71	4.83	4.55	4.29	4.47	10.46	11.00
5580MHz	Pass	5.71	4.57	4.47	4.19	4.67	10.41	11.00
5700MHz	Pass	5.71	4.22	3.31	3.28	3.47	9.53	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.71	5.14	4.43	4.35	4.50	10.57	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.75	3.28	2.78	2.61	2.68	8.82	30.00
5745MHz	Pass	5.75	9.05	8.70	8.50	8.73	14.70	30.00
5785MHz	Pass	5.75	9.09	8.59	8.56	8.54	14.63	30.00
5825MHz	Pass	5.75	8.97	8.58	8.67	8.45	14.58	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5180MHz	Pass	6.04	7.67	7.39	7.40	7.63	13.49	16.96
5200MHz	Pass	6.04	9.24	8.84	8.58	8.68	14.82	16.96
5240MHz	Pass	6.04	10.47	10.21	9.80	9.95	16.05	16.96
5260MHz	Pass	6.04	4.33	4.17	4.27	4.09	10.19	10.96
5300MHz	Pass	6.04	4.36	4.27	4.18	4.28	10.25	10.96
5320MHz	Pass	6.04	4.16	3.82	3.83	4.07	9.90	10.96
5500MHz	Pass	5.71	4.69	4.18	3.89	4.16	10.19	11.00
5580MHz	Pass	5.71	4.28	4.00	3.69	4.34	10.03	11.00
5700MHz	Pass	5.71	2.97	2.45	2.32	2.31	8.48	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.71	4.85	4.32	4.24	4.23	10.36	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.75	3.05	2.48	2.55	2.56	8.60	30.00
5745MHz	Pass	5.75	8.38	8.09	7.89	8.13	14.05	30.00
5785MHz	Pass	5.75	8.54	8.33	8.20	8.22	14.28	30.00
5825MHz	Pass	5.75	8.63	8.23	8.14	8.03	14.20	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.04	0.29	-0.19	-0.17	-0.24	5.89	16.96
5230MHz	Pass	6.04	6.04	5.33	5.50	5.47	11.53	16.96
5270MHz	Pass	6.04	1.19	1.11	1.21	1.21	7.15	10.96
5310MHz	Pass	6.04	-1.78	-2.06	-2.07	-1.94	3.97	10.96
5510MHz	Pass	5.71	0.14	-0.31	-0.49	-0.26	5.72	11.00
5550MHz	Pass	5.71	1.34	1.20	0.93	1.34	7.17	11.00
5670MHz	Pass	5.71	1.31	1.15	1.15	1.11	7.13	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.71	2.05	1.42	1.59	1.44	7.59	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.75	-0.14	-0.59	-0.55	-0.64	5.50	30.00
5755MHz	Pass	5.75	5.64	5.26	4.86	5.37	11.21	30.00
5795MHz	Pass	5.75	5.72	5.38	5.08	5.59	11.39	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.04	-1.96	-2.30	-2.31	-2.17	3.78	16.96
5290MHz	Pass	6.04	-2.74	-3.23	-3.18	-3.17	2.91	10.96
5530MHz	Pass	5.71	-1.73	-2.34	-2.75	-2.20	3.73	11.00
5610MHz	Pass	5.71	-1.57	-1.88	-1.78	-1.46	4.31	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.71	-0.86	-1.56	-1.41	-1.30	4.67	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.75	-3.85	-4.02	-4.12	-4.03	1.97	30.00
5775MHz	Pass	5.75	0.13	-0.19	-0.42	-0.21	5.79	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.04	-5.75	-5.99	-6.23	-6.18	-0.03	16.96
5250MHz Straddle 5.25-5.35GHz	Pass	6.04	-5.83	-6.06	-6.00	-5.86	0.04	10.96
5570MHz	Pass	5.71	-4.79	-5.30	-5.46	-5.03	0.81	11.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
5180MHz	Pass	6.04	10.42	10.02	10.16	10.08	16.13	16.96
5200MHz	Pass	6.04	10.83	10.41	10.13	9.78	16.24	16.96
5240MHz	Pass	6.04	10.84	10.35	10.17	9.75	16.22	16.96
5260MHz	Pass	6.04	4.53	4.33	4.35	3.96	10.26	10.96
5300MHz	Pass	6.04	4.35	4.20	4.14	4.01	10.11	10.96
5320MHz	Pass	6.04	4.39	4.06	4.07	3.92	10.03	10.96
5500MHz	Pass	5.71	4.41	4.43	3.92	3.82	10.10	11.00
5580MHz	Pass	5.71	4.19	4.39	3.90	3.84	10.01	11.00
5700MHz	Pass	5.71	2.36	1.93	1.86	1.68	7.87	11.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.71	4.81	4.27	4.33	4.07	10.32	11.00
5720MHz Straddle 5.725-5.85GHz	Pass	5.75	2.93	2.75	2.64	2.35	8.65	30.00
5745MHz	Pass	5.75	8.50	8.46	8.03	8.00	14.19	30.00
5785MHz	Pass	5.75	8.51	8.35	8.31	7.94	14.23	30.00
5825MHz	Pass	5.75	8.74	8.05	7.88	7.60	14.03	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5190MHz	Pass	6.04	3.75	3.50	3.30	3.02	9.34	16.96
5230MHz	Pass	6.04	8.19	7.47	7.51	7.14	13.57	16.96
5270MHz	Pass	6.04	1.63	1.06	1.32	1.04	7.25	10.96
5310MHz	Pass	6.04	0.62	0.25	0.37	0.26	6.33	10.96
5510MHz	Pass	5.71	0.48	0.50	0.00	0.03	6.19	11.00
5550MHz	Pass	5.71	1.53	1.53	1.08	1.20	7.30	11.00
5670MHz	Pass	5.71	0.68	0.51	0.63	0.48	6.51	11.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.71	1.99	1.54	1.75	1.53	7.63	11.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.75	-0.23	-0.38	-0.38	-0.54	5.59	30.00
5755MHz	Pass	5.75	5.71	5.53	5.42	5.17	11.41	30.00
5795MHz	Pass	5.75	6.07	5.58	5.68	5.15	11.56	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5210MHz	Pass	6.04	4.88	4.29	4.29	4.05	10.35	16.96
5290MHz	Pass	6.04	-2.39	-2.99	-2.73	-3.13	3.19	10.96
5530MHz	Pass	5.71	-1.75	-1.66	-2.33	-2.40	3.94	11.00
5610MHz	Pass	5.71	-1.52	-1.54	-1.60	-1.66	4.38	11.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.71	-1.04	-1.37	-1.36	-1.58	4.66	11.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.75	-3.74	-3.75	-4.00	-4.27	2.04	30.00
5775MHz	Pass	5.75	3.24	2.89	2.62	2.27	8.69	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	6.04	-4.59	-5.34	-5.07	-5.59	0.84	16.96
5250MHz Straddle 5.25-5.35GHz	Pass	6.04	-4.59	-5.27	-4.80	-5.26	1.02	10.96
5570MHz	Pass	5.71	-4.39	-4.59	-4.79	-5.04	1.23	11.00

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

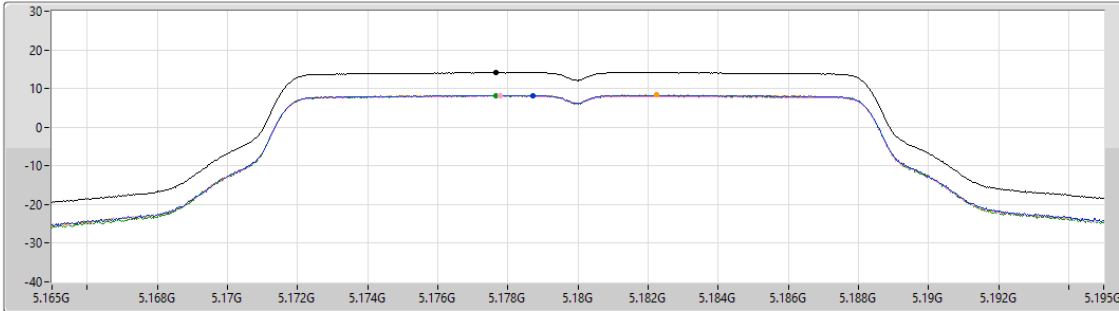
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

30/07/2026

CF (Hz)
5.18G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
14.15	14.15	8.25	8.12	8.15	8.33

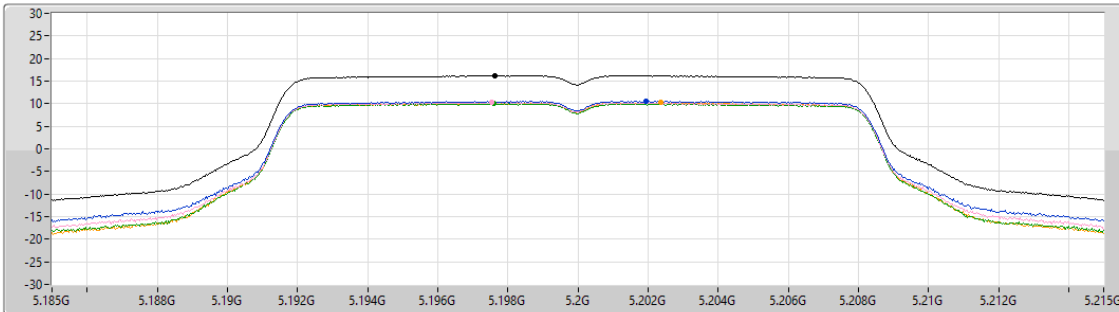
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

30/07/2026

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



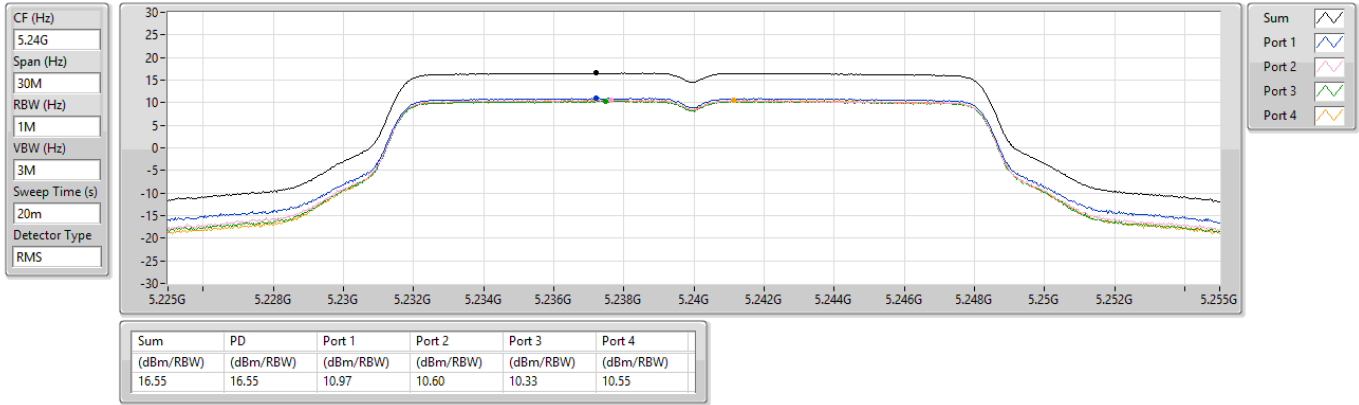
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
16.18	16.18	10.53	10.28	10.06	10.22

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

PSD

5240MHz

30/07/2026

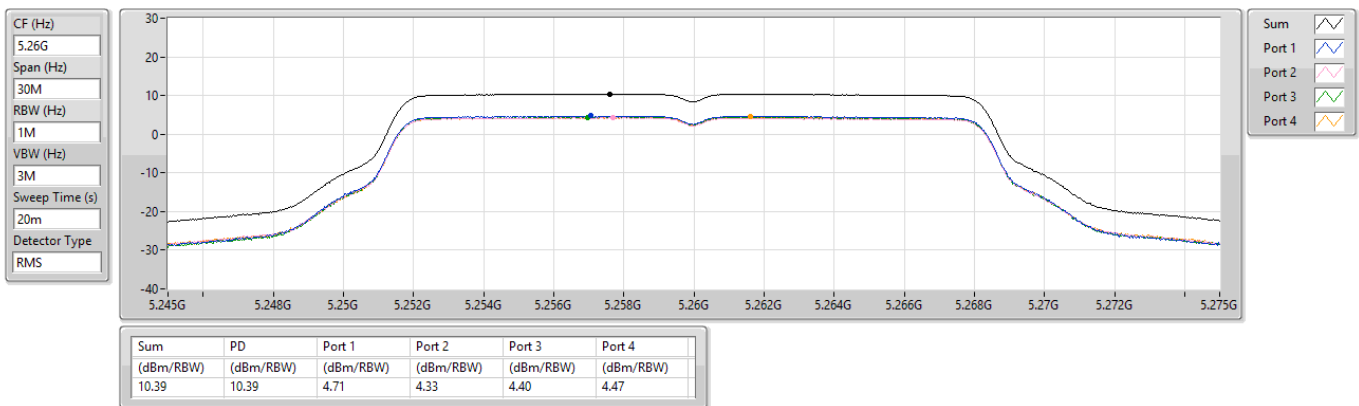


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

30/07/2026



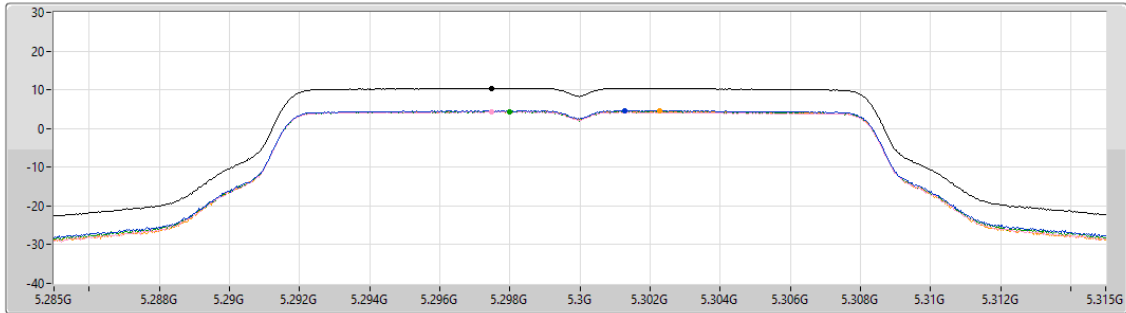
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

30/07/2026

CF (Hz)
5.3G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.41	10.41	4.62	4.42	4.38	4.50

Sum
Port 1
Port 2
Port 3
Port 4

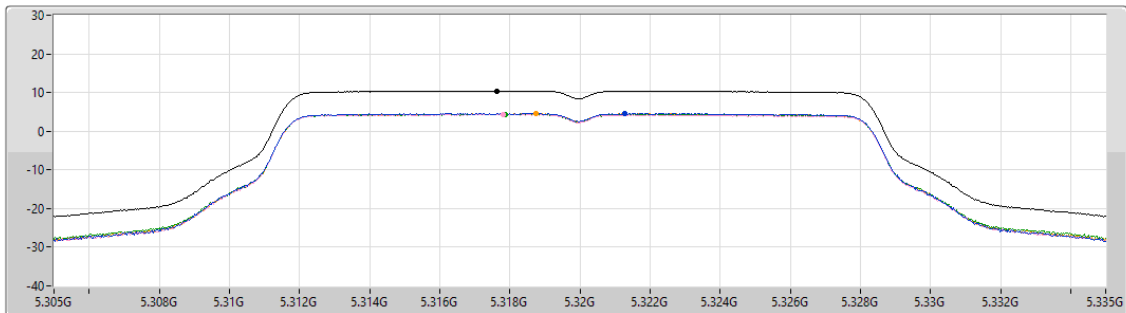
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

30/07/2026

CF (Hz)
5.32G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.43	10.43	4.59	4.39	4.43	4.56

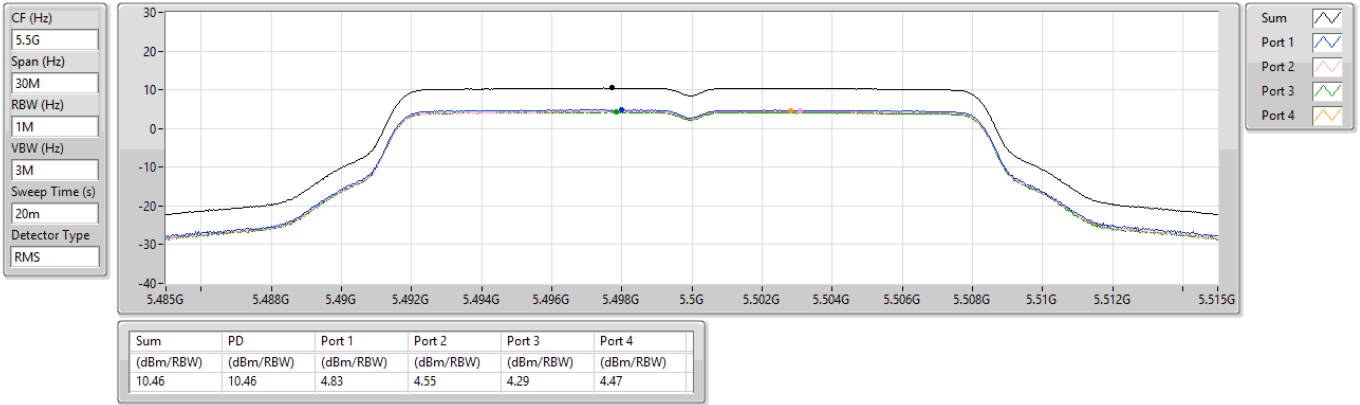
Sum
Port 1
Port 2
Port 3
Port 4

5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

30/07/2026

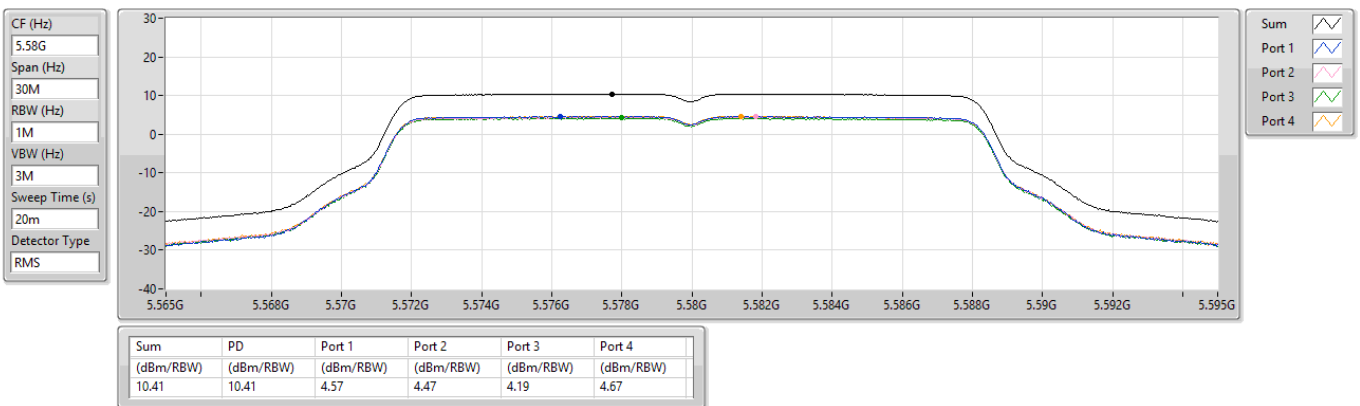


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

30/07/2026



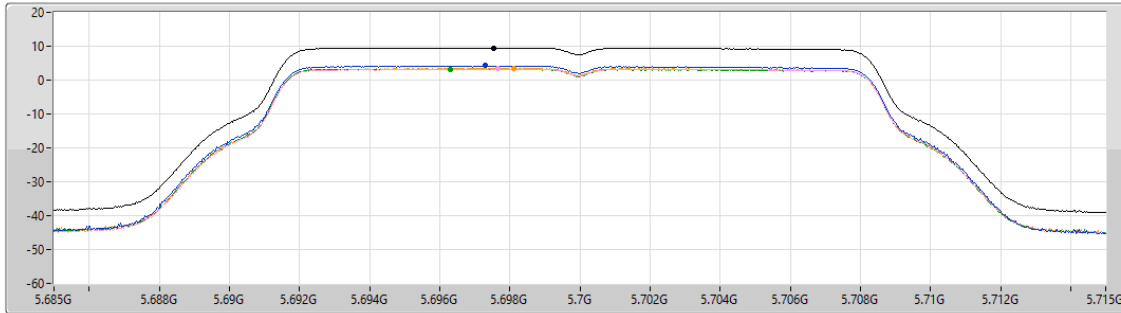
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

30/07/2026

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
9.53	9.53	4.22	3.31	3.28	3.47

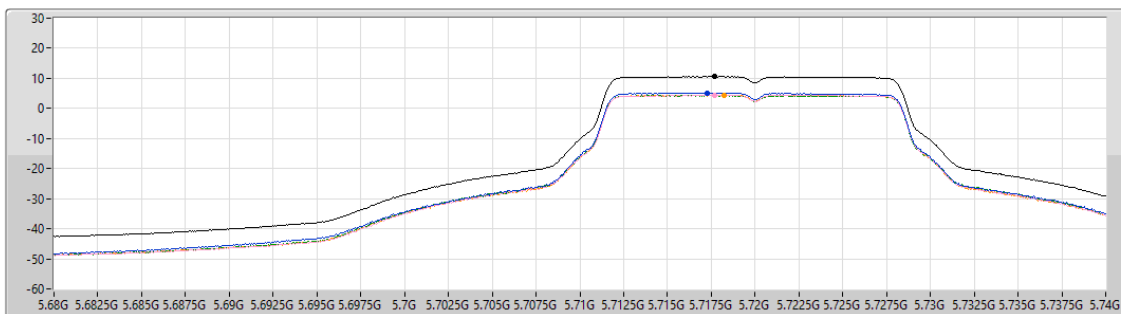
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/07/2026

CF (Hz)
5.71G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

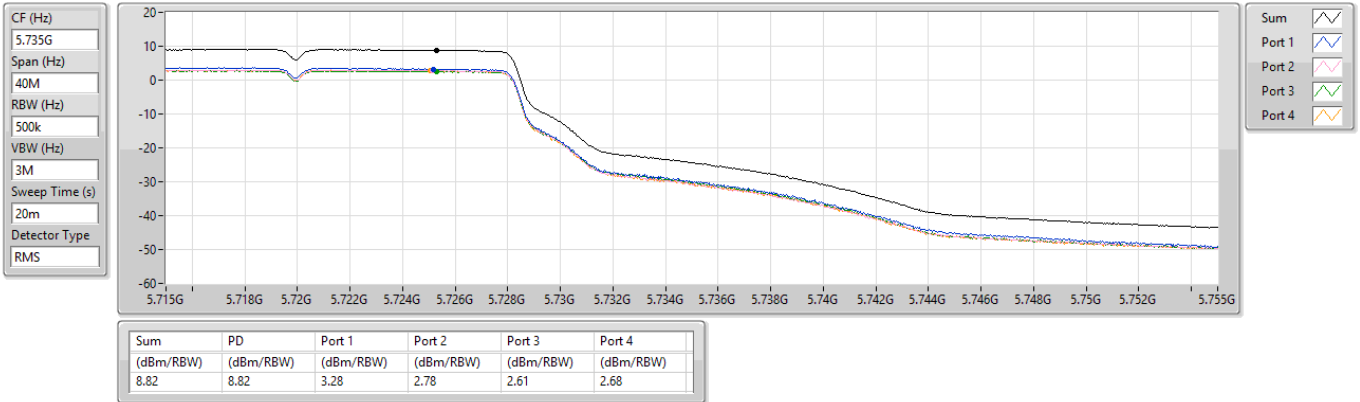
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.57	10.57	5.14	4.43	4.35	4.50

5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/07/2026

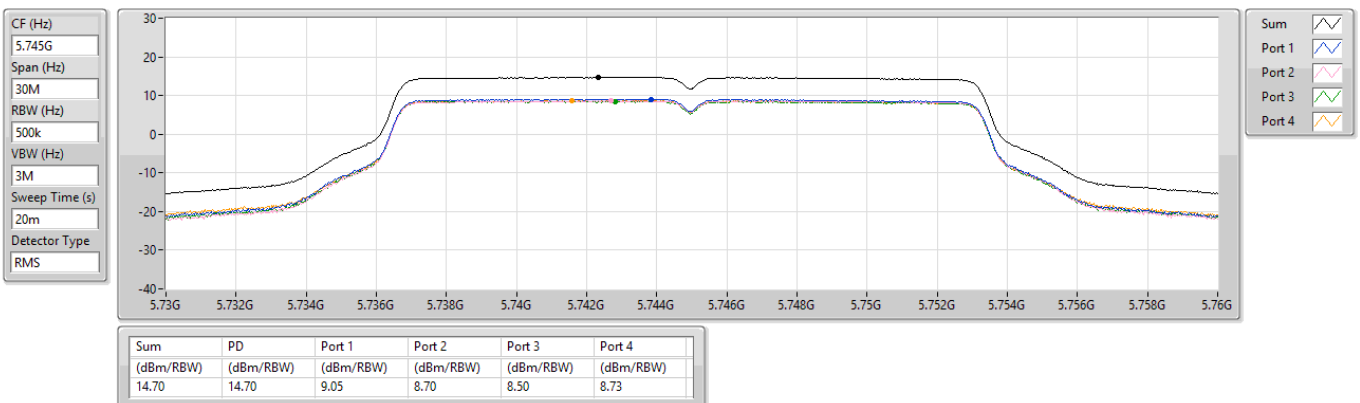


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

30/07/2026

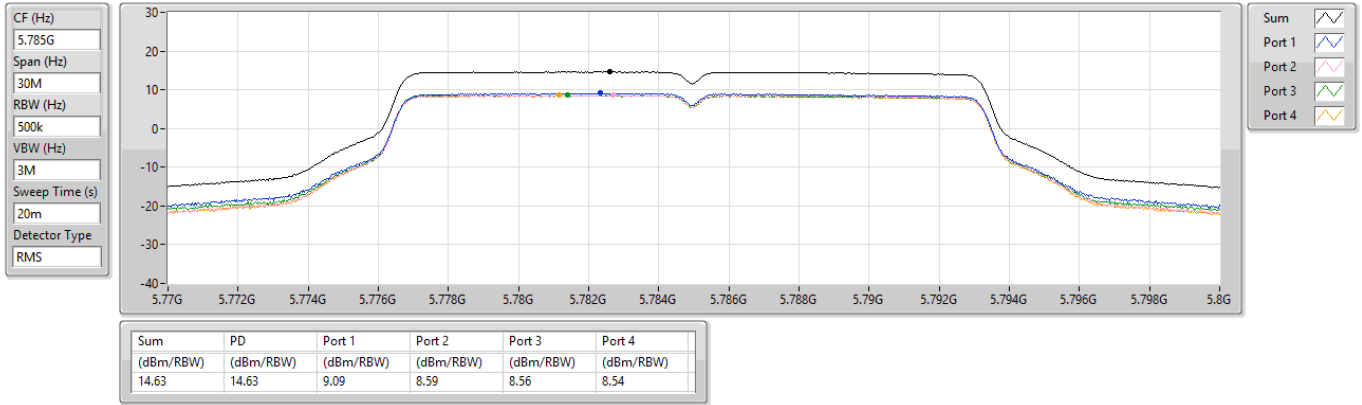


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

30/07/2026

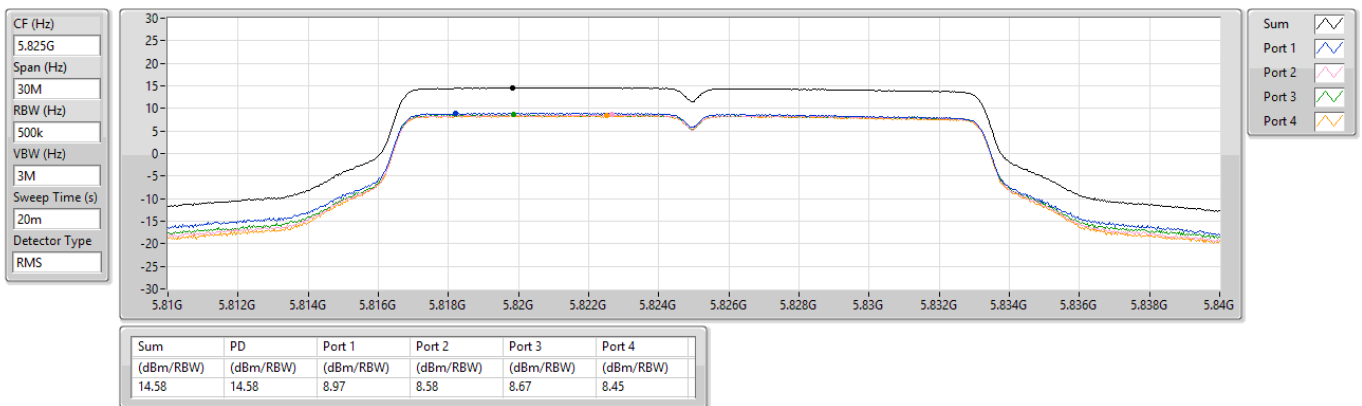


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

30/07/2026

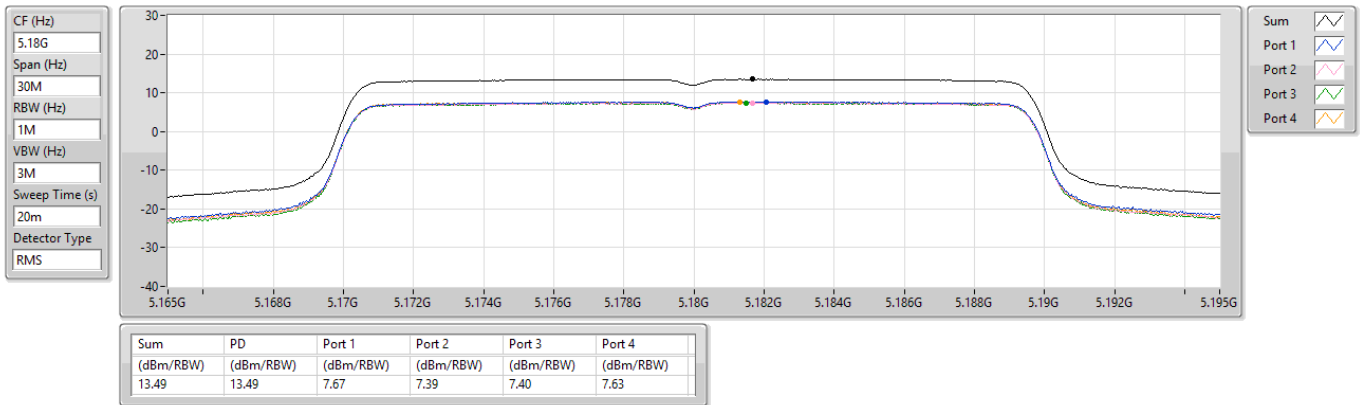


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

30/07/2026

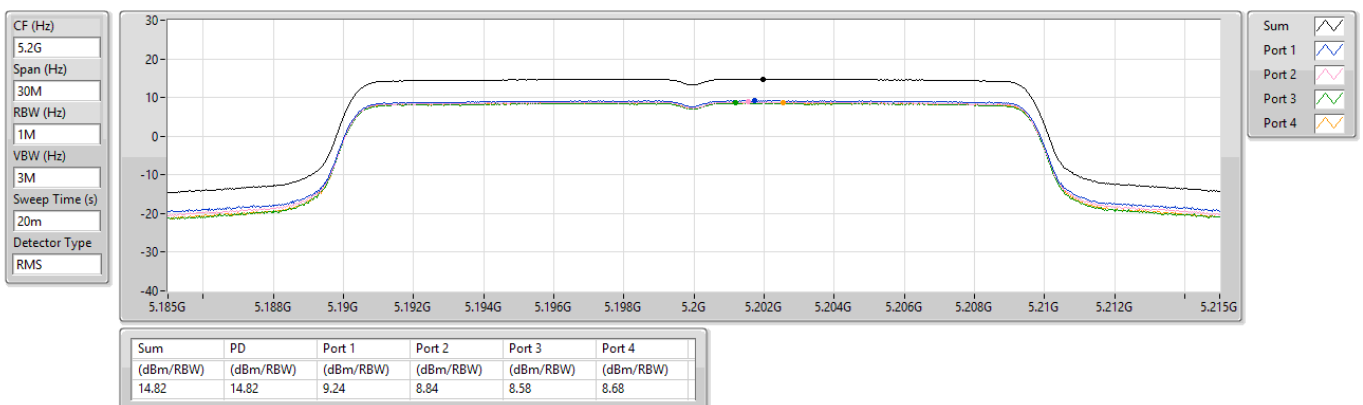


5.15-5.25GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

30/07/2026



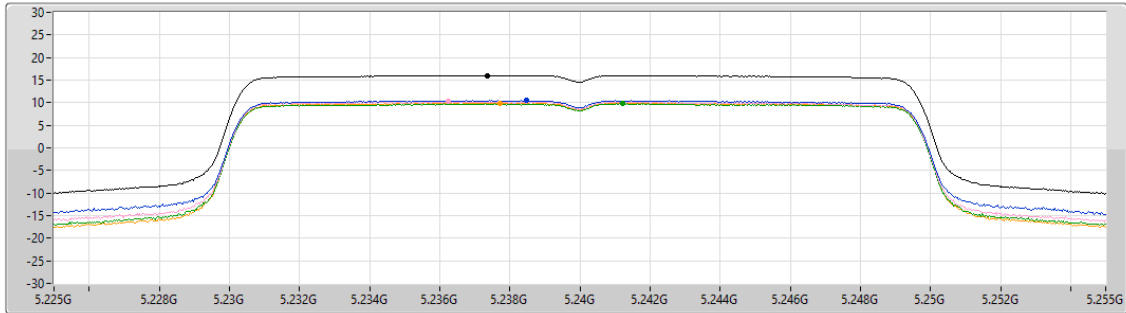
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

30/07/2026

CF (Hz)
5.24G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
16.05	16.05	10.47	10.21	9.80	9.95

Sum
Port 1
Port 2
Port 3
Port 4

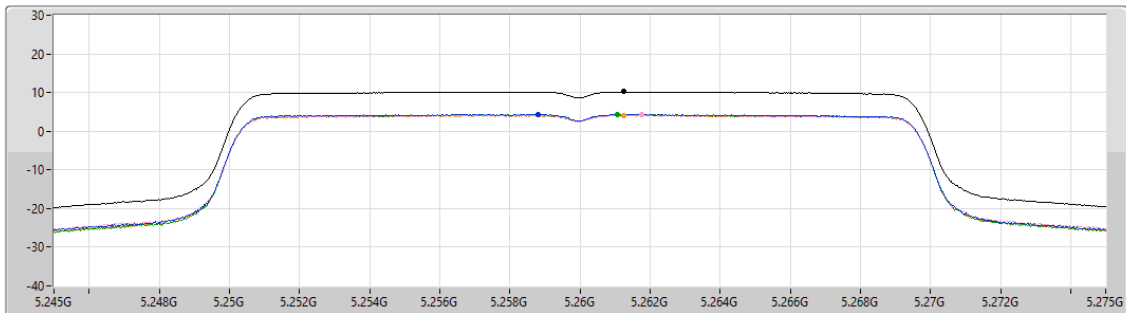
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

30/07/2026

CF (Hz)
5.26G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.19	10.19	4.33	4.17	4.27	4.09

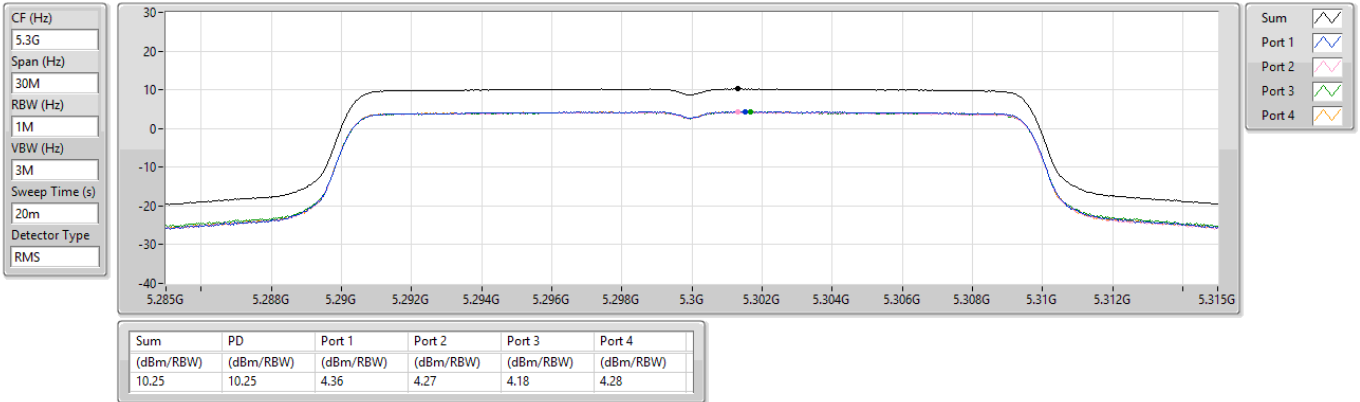
Sum
Port 1
Port 2
Port 3
Port 4

5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

30/07/2026

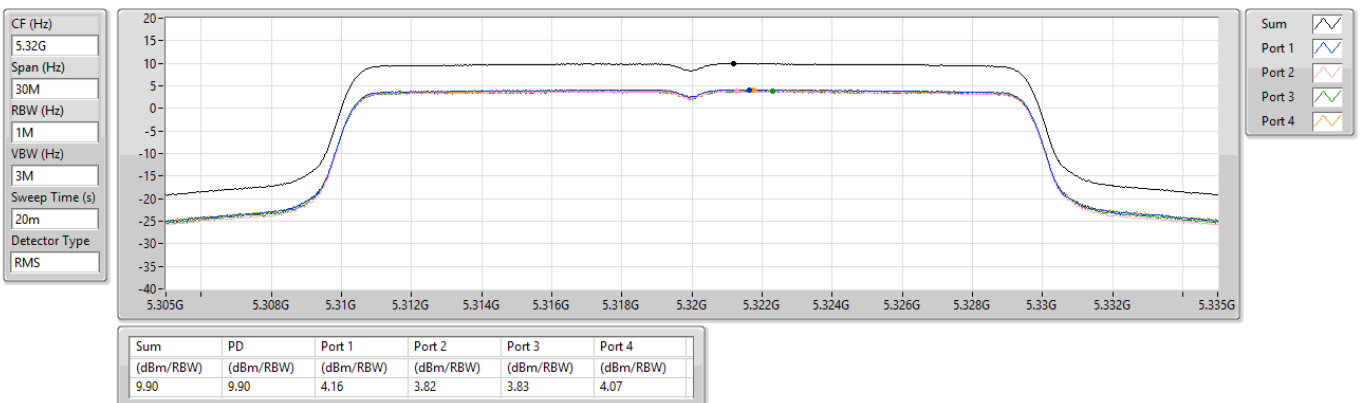


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

30/07/2026



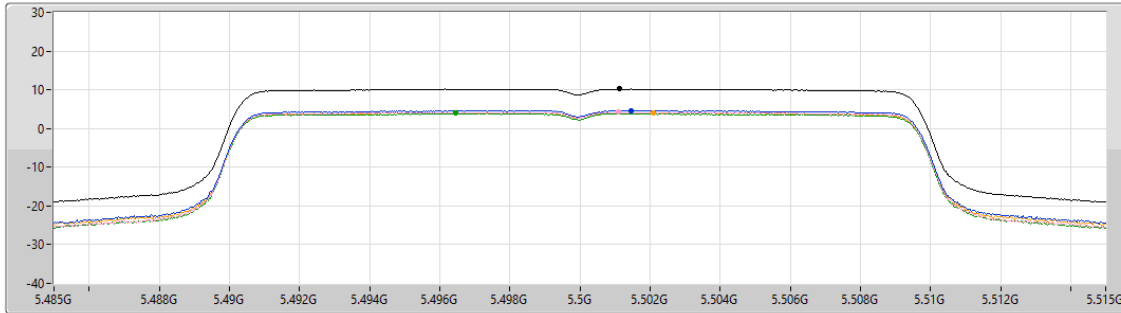
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

30/07/2026

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.19	10.19	4.69	4.18	3.89	4.16

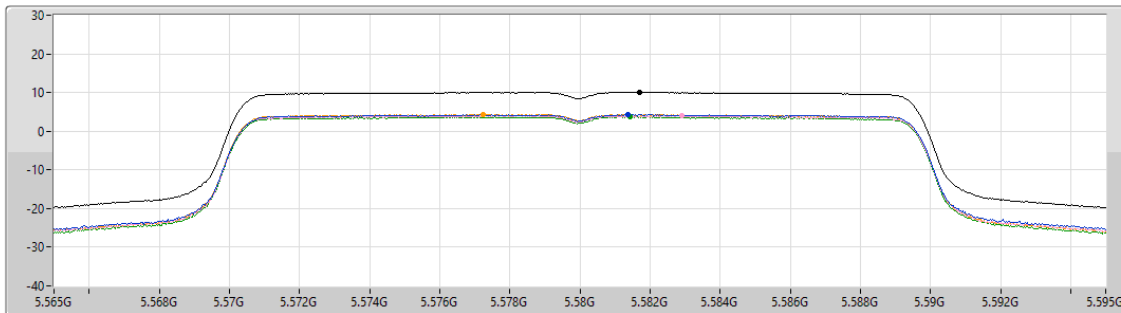
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

30/07/2026

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
10.03	10.03	4.28	4.00	3.69	4.34

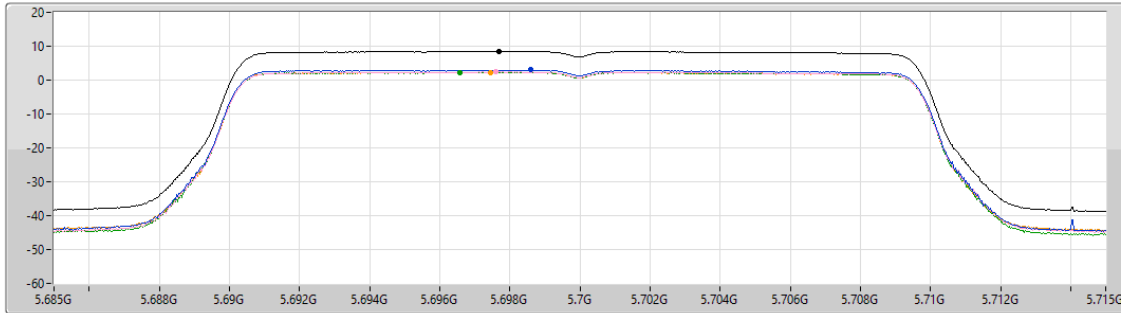
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

30/07/2026

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.48	8.48	2.97	2.45	2.32	2.31

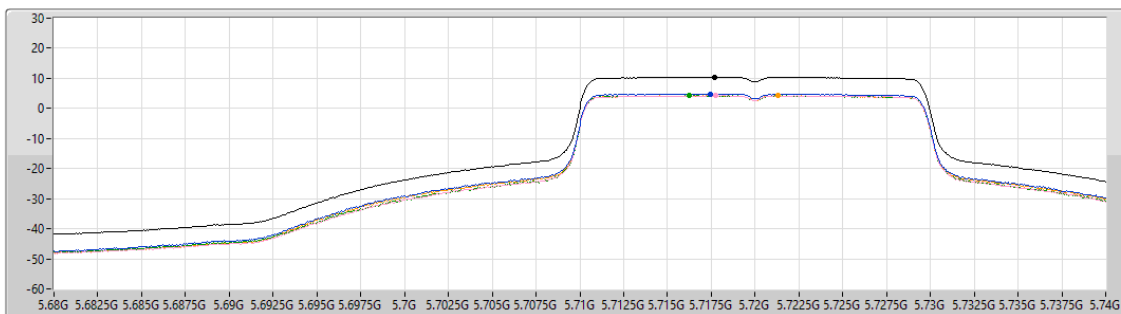
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/07/2026

CF (Hz)
5.71G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



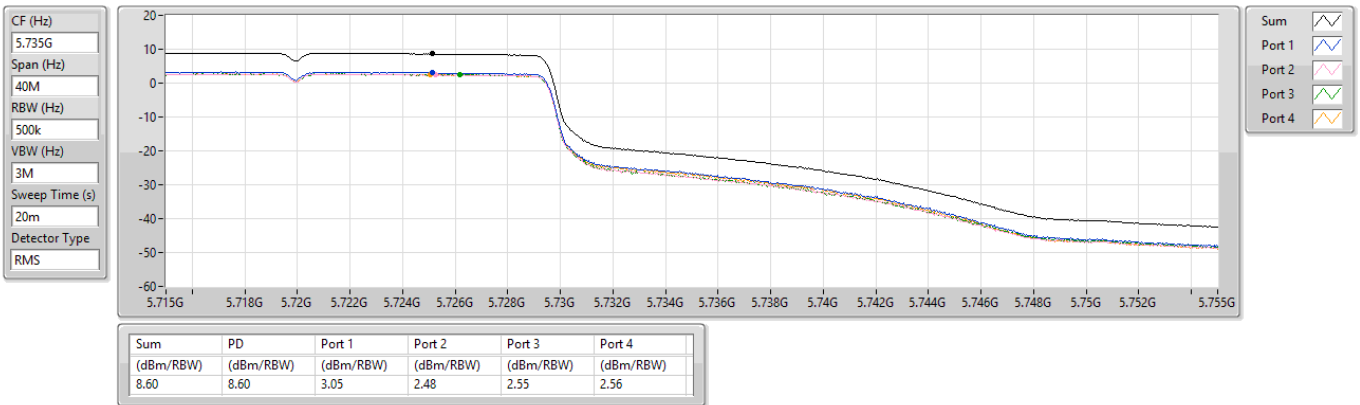
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.36	10.36	4.85	4.32	4.24	4.23

5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/07/2026

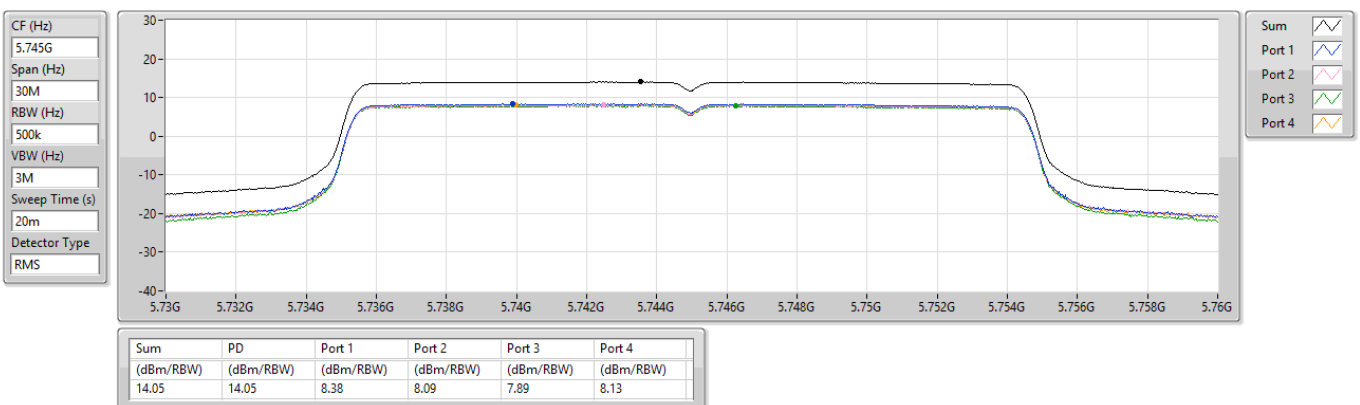


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

30/07/2026

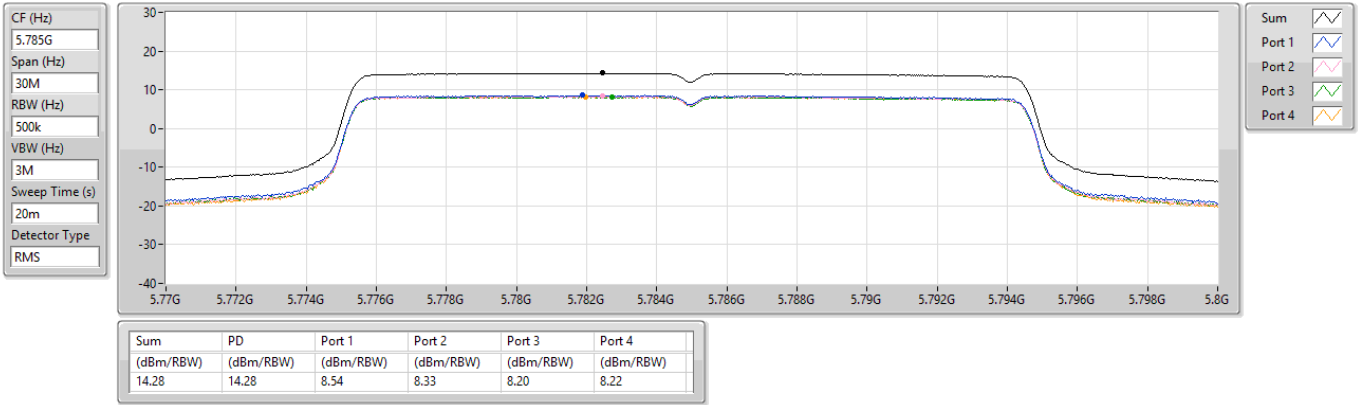


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

30/07/2026

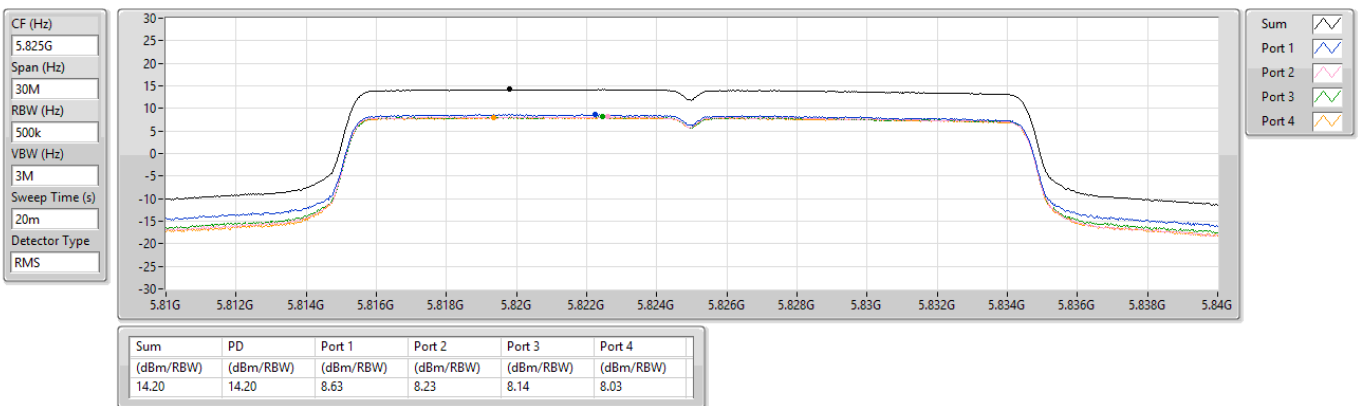


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

30/07/2026



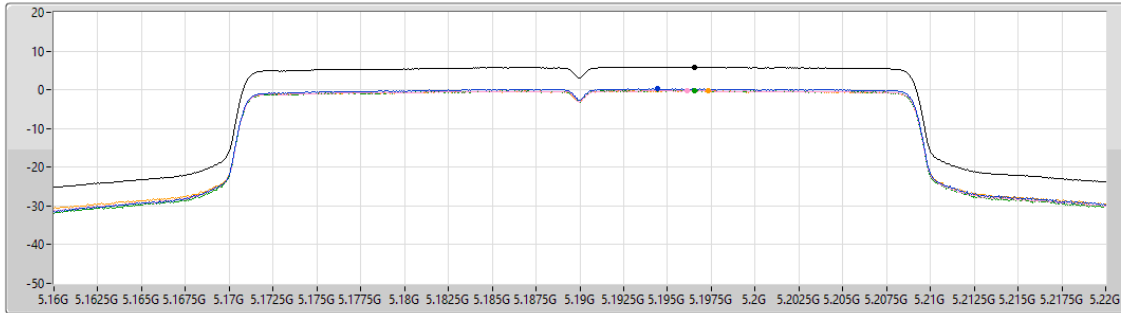
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

30/07/2026

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
5.89	5.89	0.29	-0.19	-0.17	-0.24

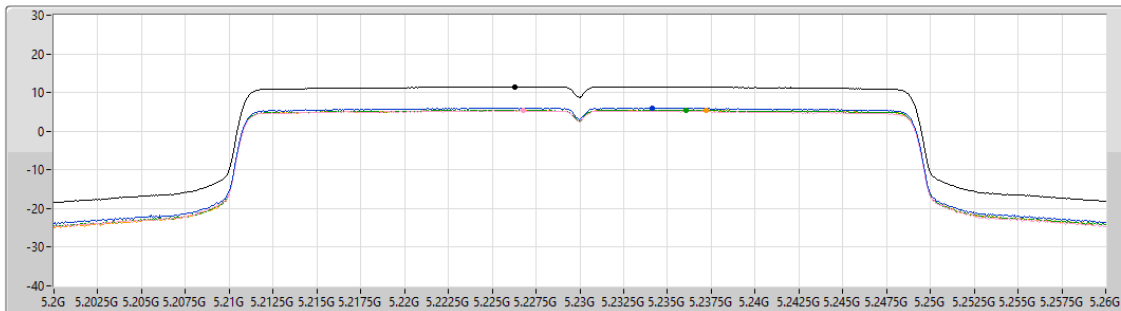
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

30/07/2026

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.53	11.53	6.04	5.33	5.50	5.47

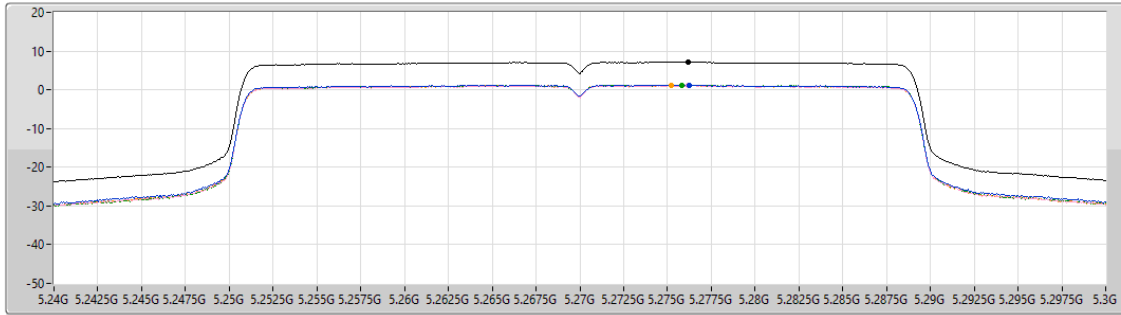
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

30/07/2026

CF (Hz)
5.27G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.15	7.15	1.19	1.11	1.21	1.21

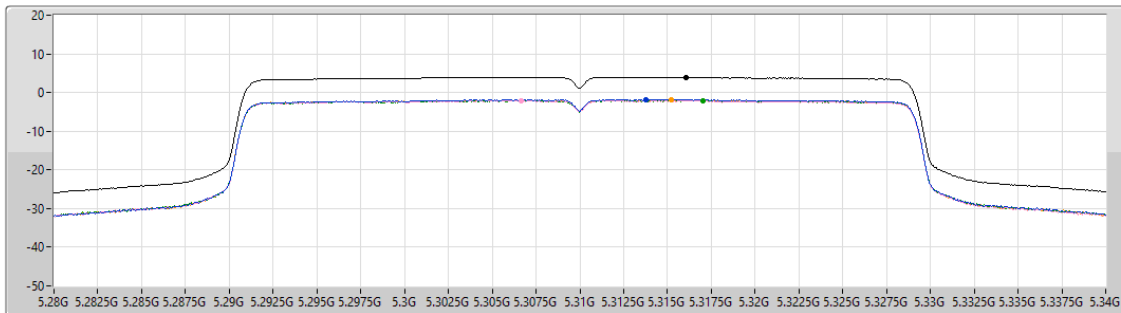
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

30/07/2026

CF (Hz)
5.31G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

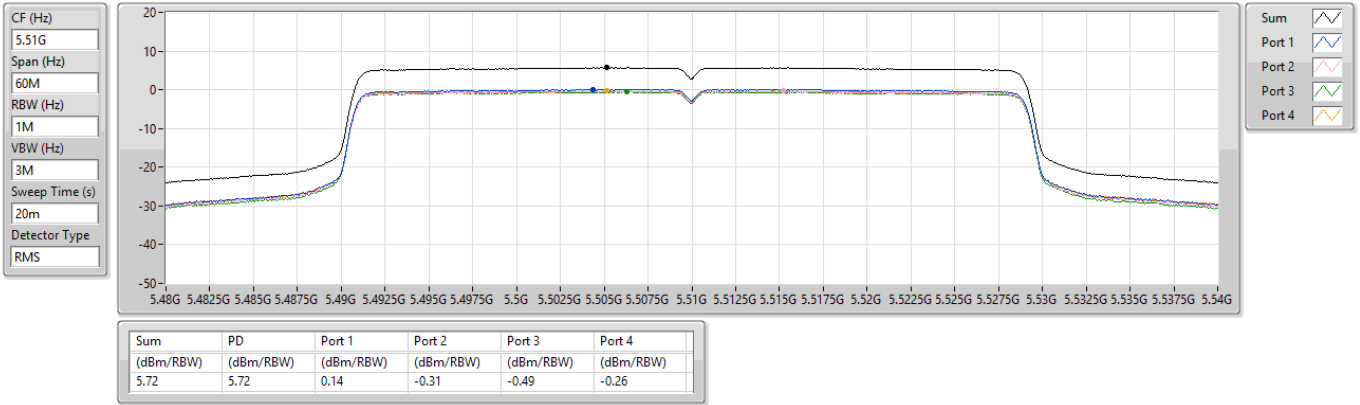
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.97	3.97	-1.78	-2.06	-2.07	-1.94

5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

30/07/2026

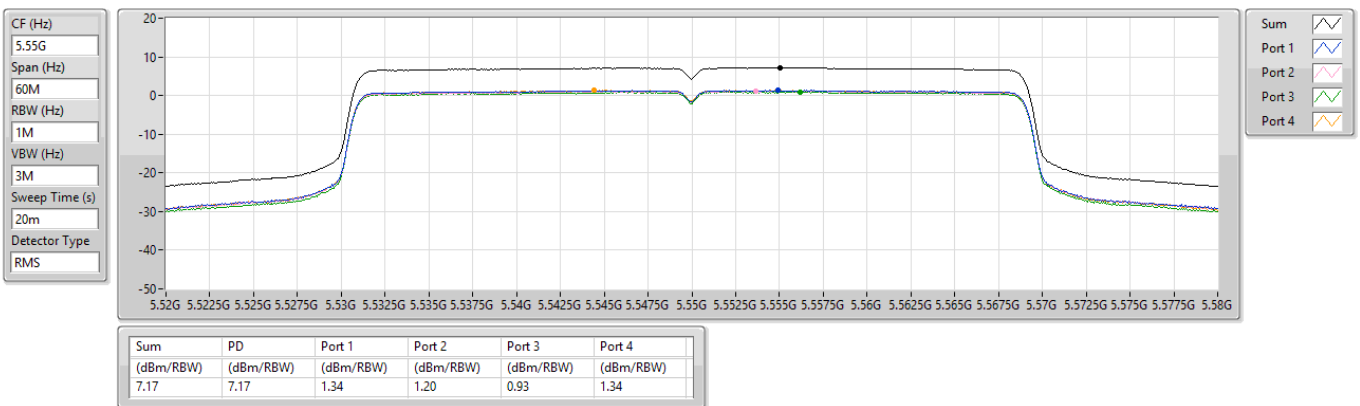


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

30/07/2026

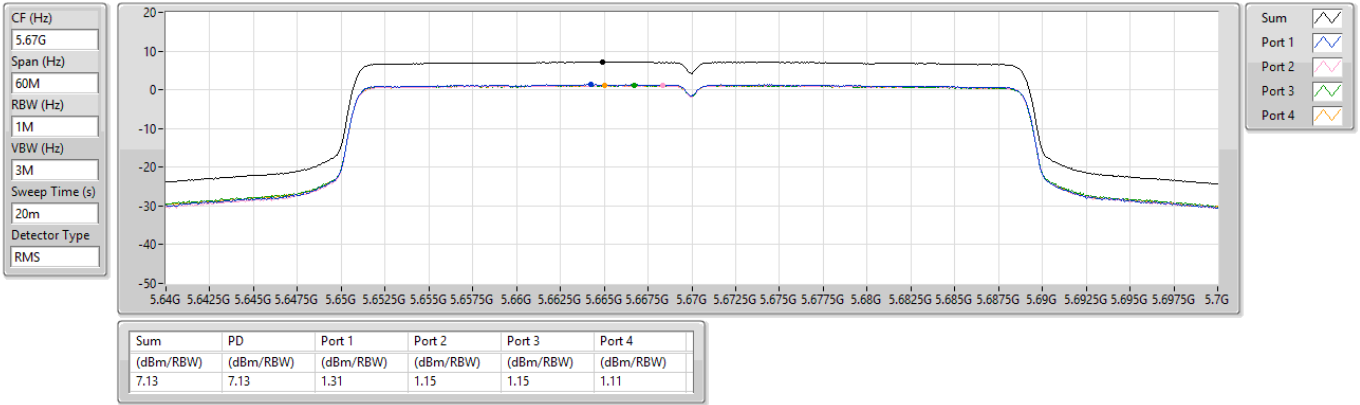


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

30/07/2026

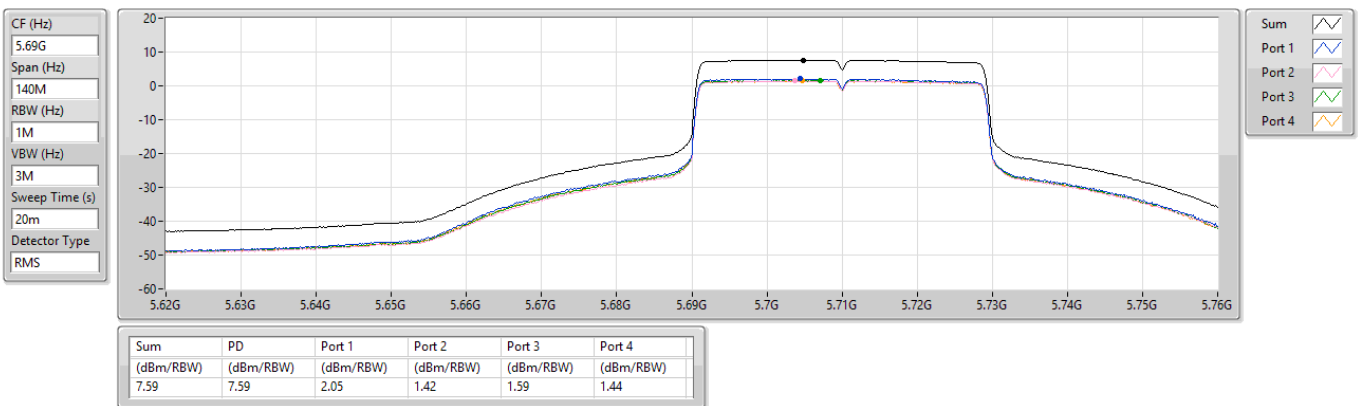


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

30/07/2026

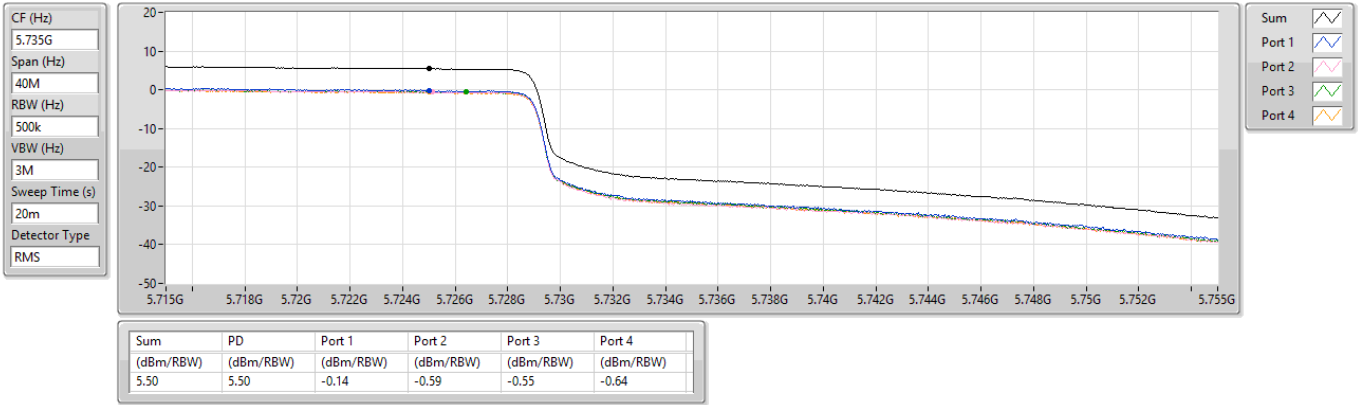


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

30/07/2026

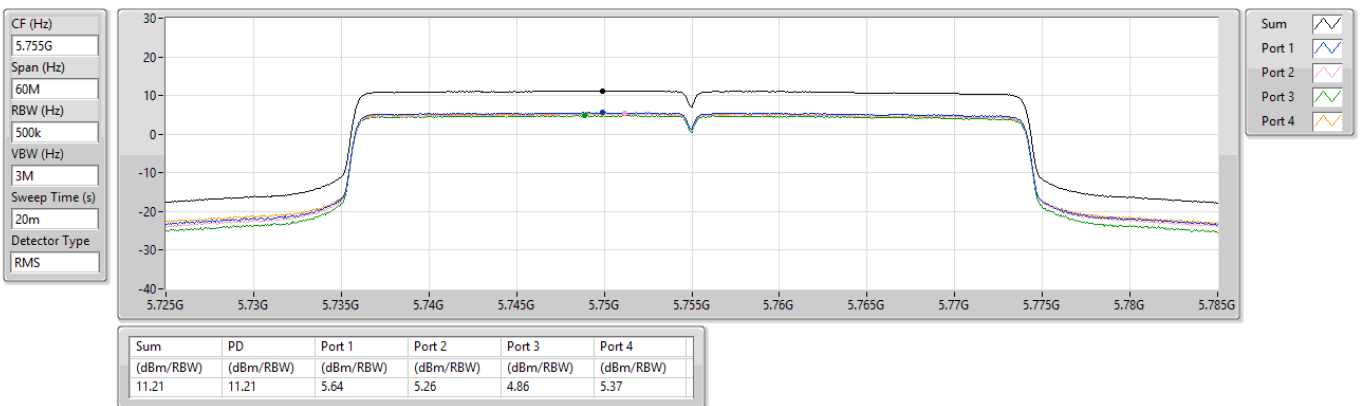


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

30/07/2026



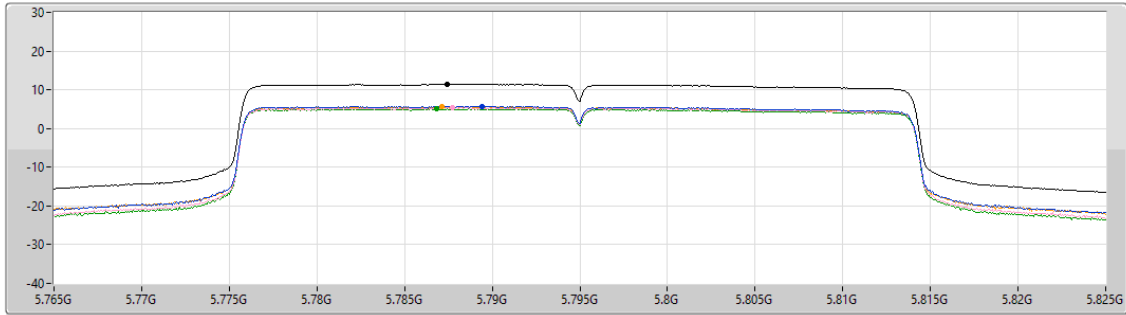
5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

30/07/2026

CF (Hz)
5.795G
Span (Hz)
60M
RBW (Hz)
500k
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
11.39	11.39	5.72	5.38	5.08	5.59

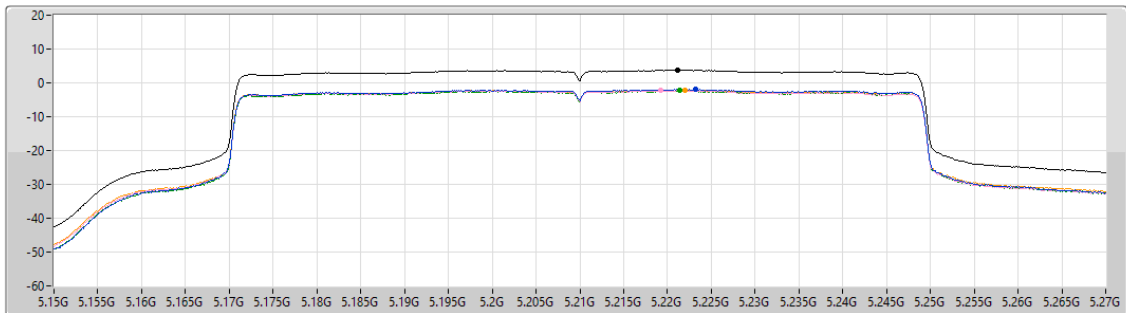
5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

30/07/2026

CF (Hz)
5.21G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.78	3.78	-1.96	-2.30	-2.31	-2.17

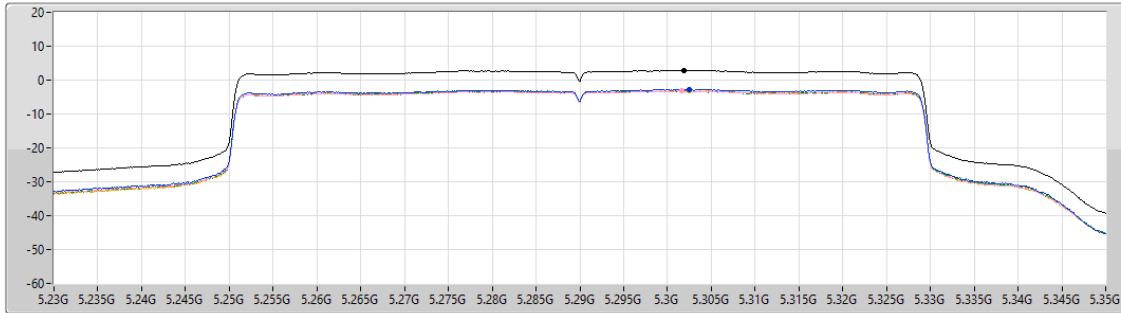
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

30/07/2026

CF (Hz)
5.29G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
2.91	2.91	-2.74	-3.23	-3.18	-3.17

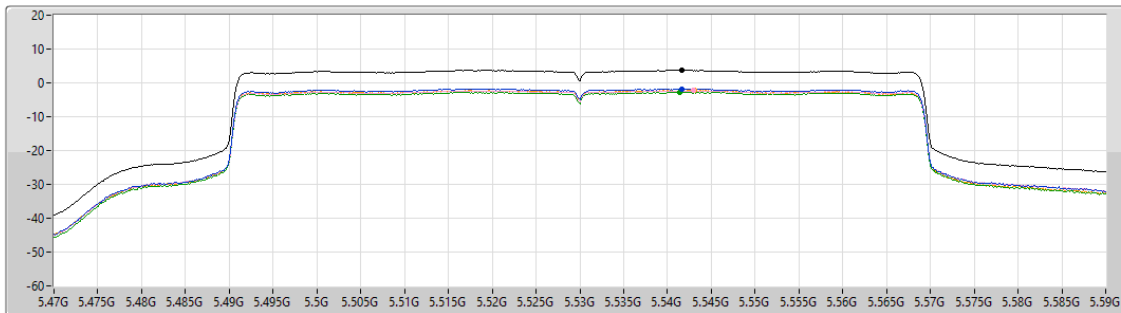
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

30/07/2026

CF (Hz)
5.53G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.73	3.73	-1.73	-2.34	-2.75	-2.20

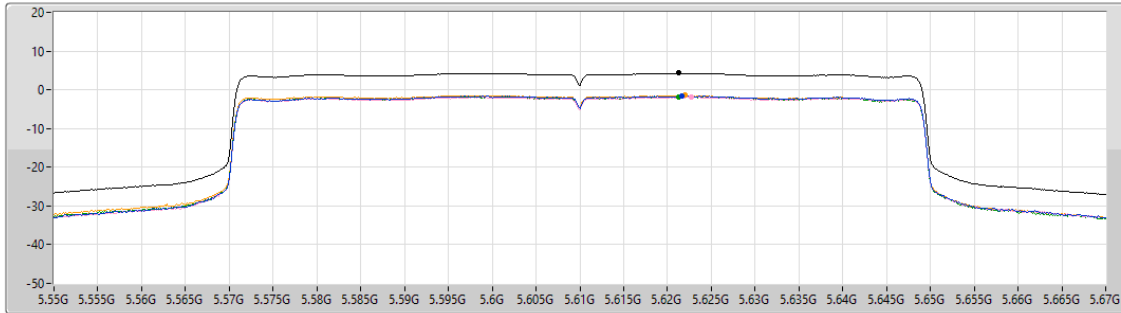
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5610MHz

30/07/2026

CF (Hz)
5.61G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.31	4.31	-1.57	-1.88	-1.78	-1.46

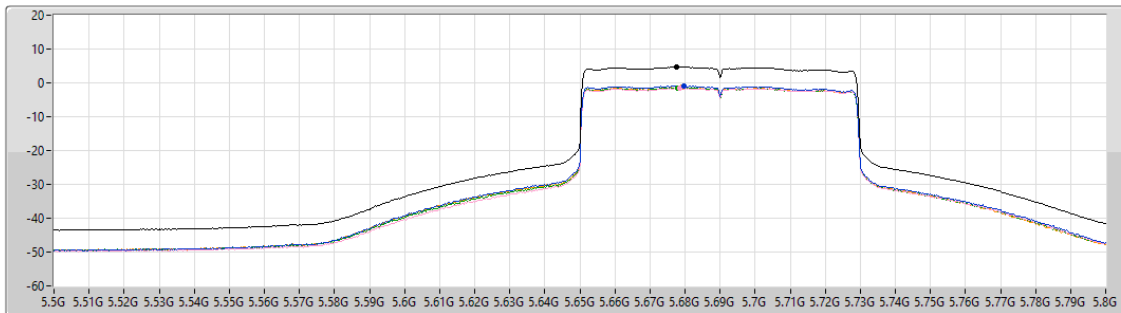
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

30/07/2026

CF (Hz)
5.65G
Span (Hz)
300M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

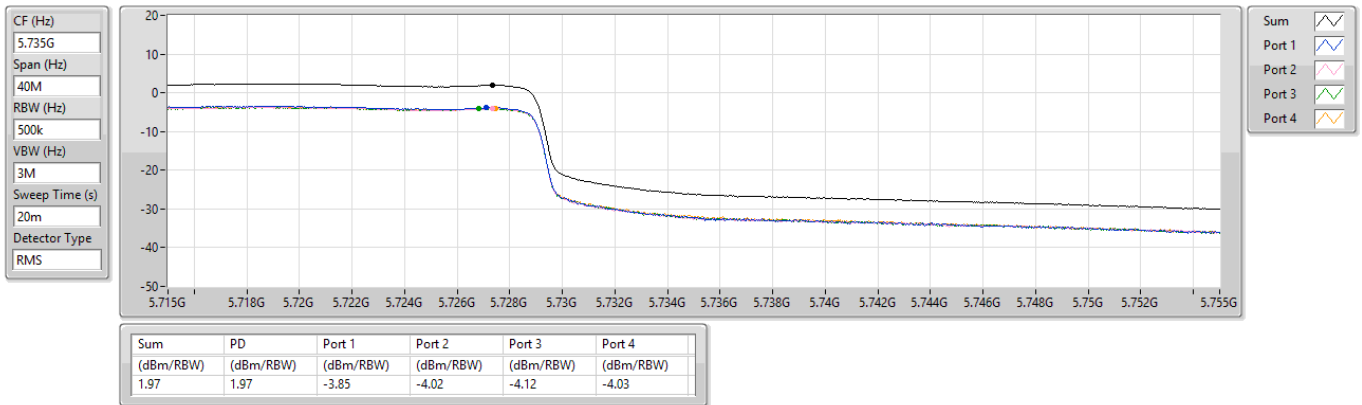
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
4.67	4.67	-0.86	-1.56	-1.41	-1.30

5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/07/2026

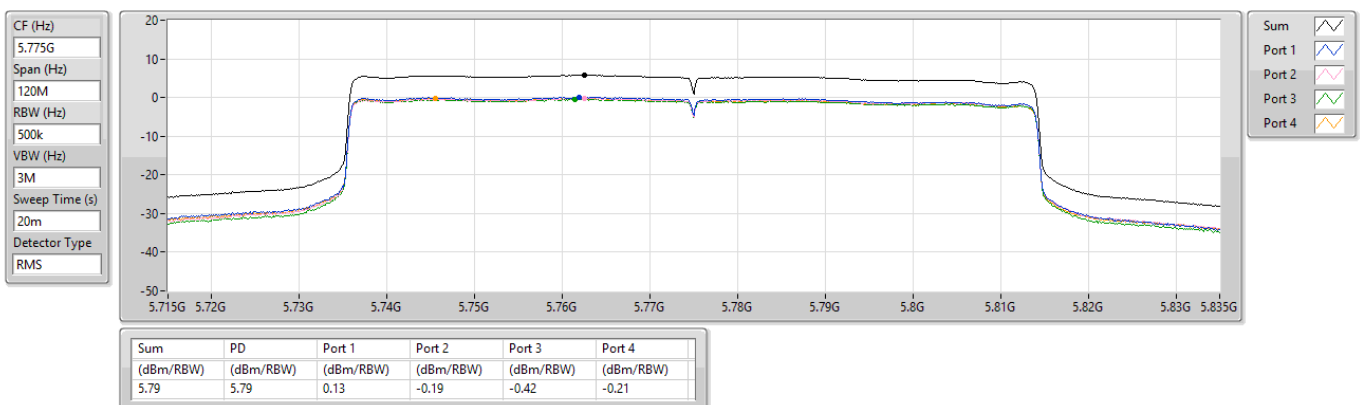


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

30/07/2026

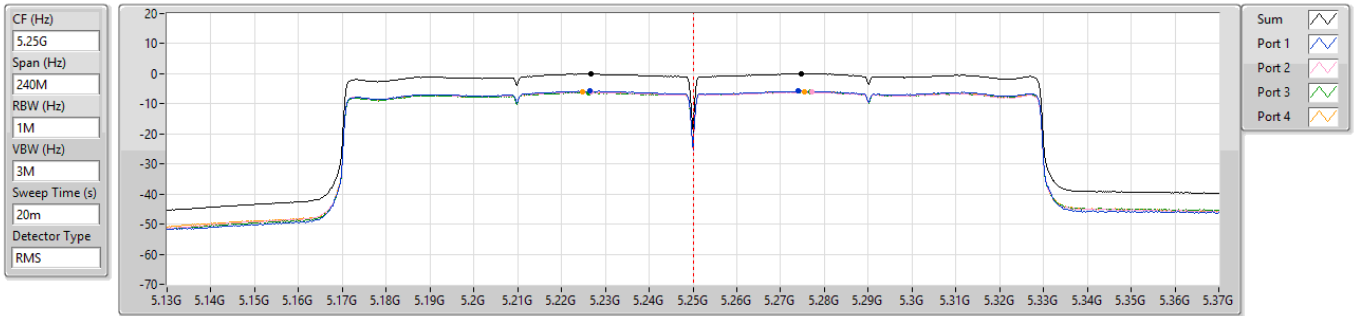


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

30/07/2026



5150~5250MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
-0.03	-0.03	-5.75	-5.99	-6.23	-6.18

5250~5350MHz

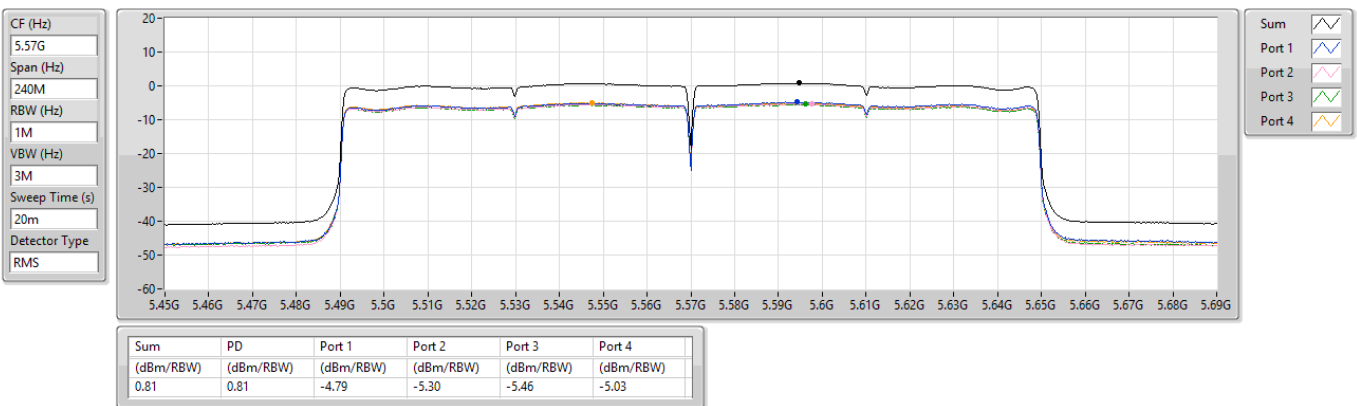
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
0.04	0.04	-5.83	-6.06	-6.00	-5.86

5.47-5.725GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

30/07/2026

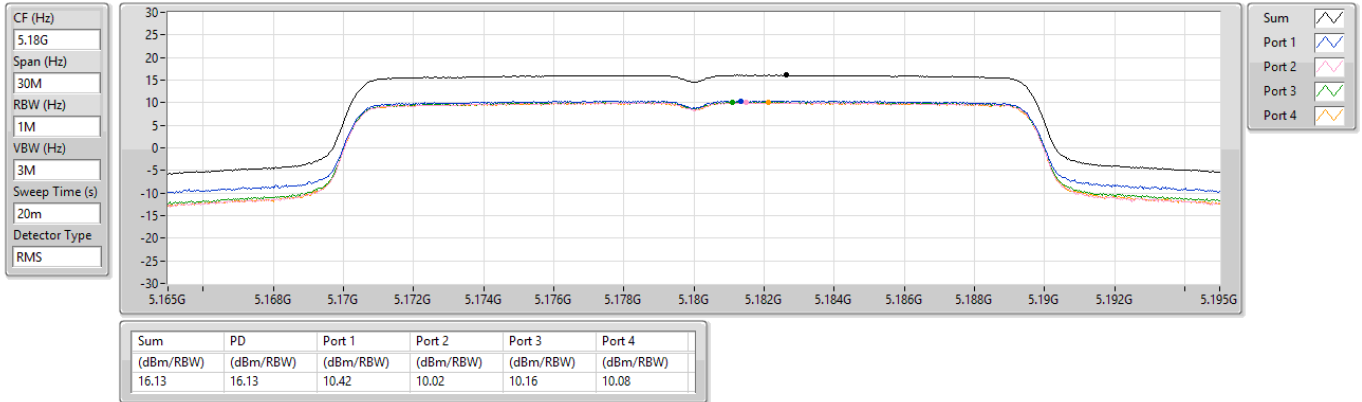


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

30/07/2026

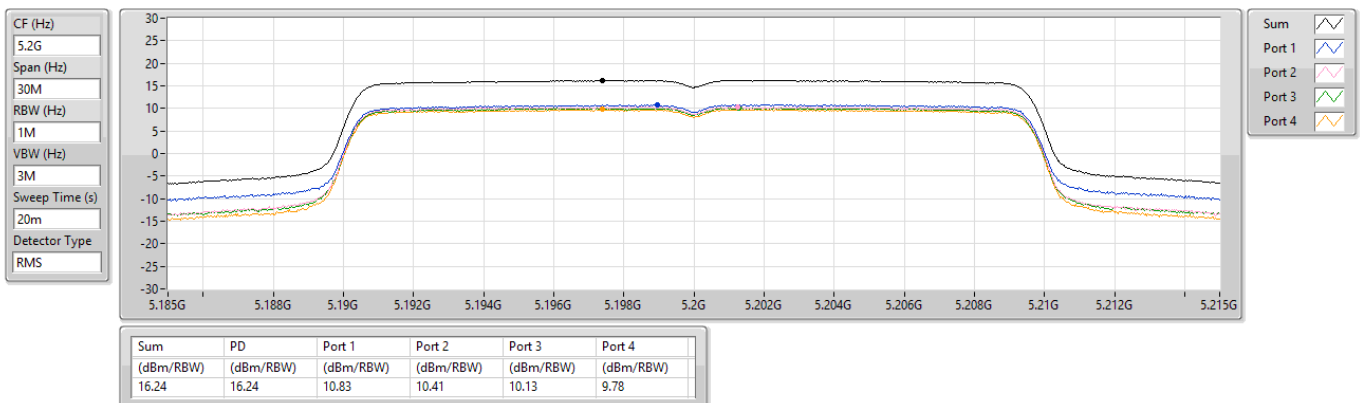


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

30/07/2026

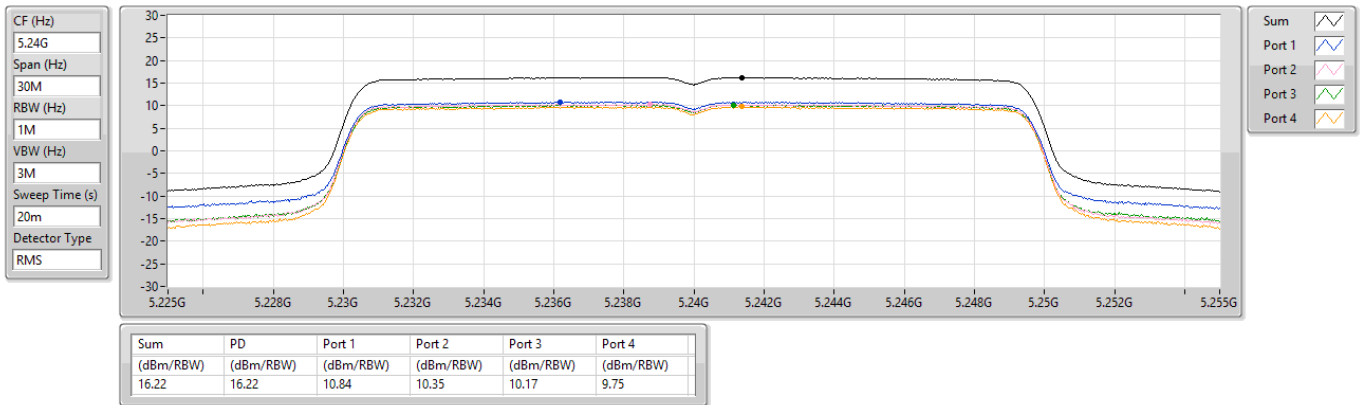


5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

30/07/2026

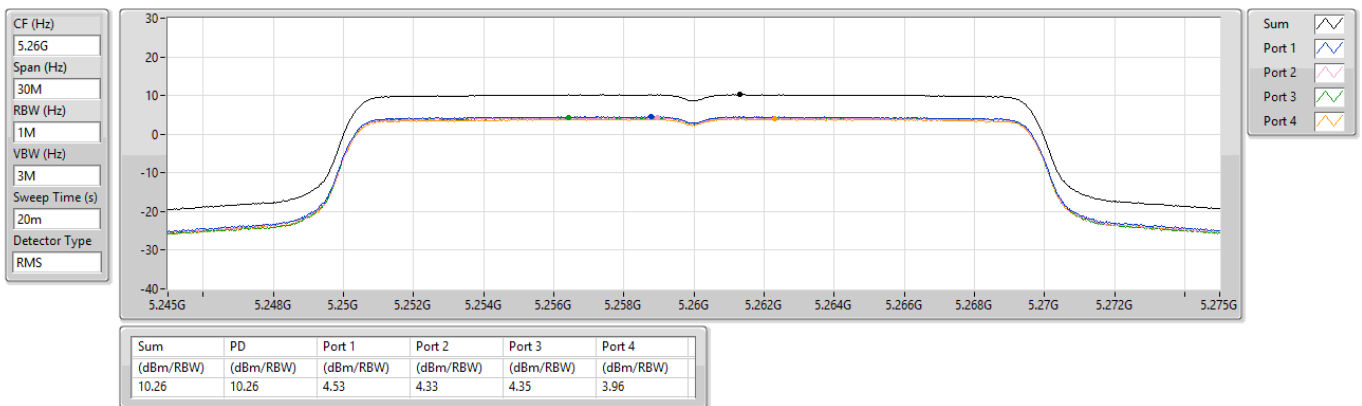


5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

30/07/2026

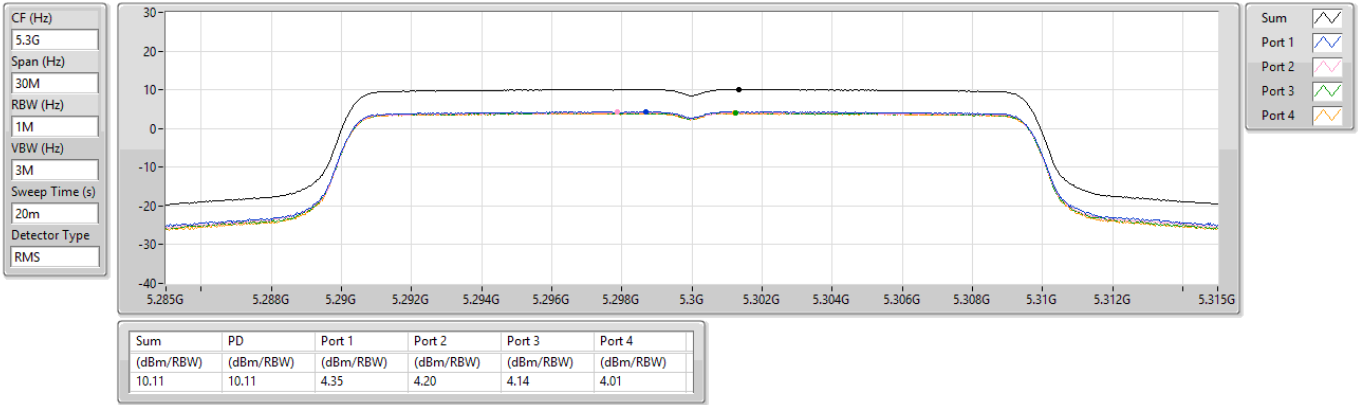


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

30/07/2026

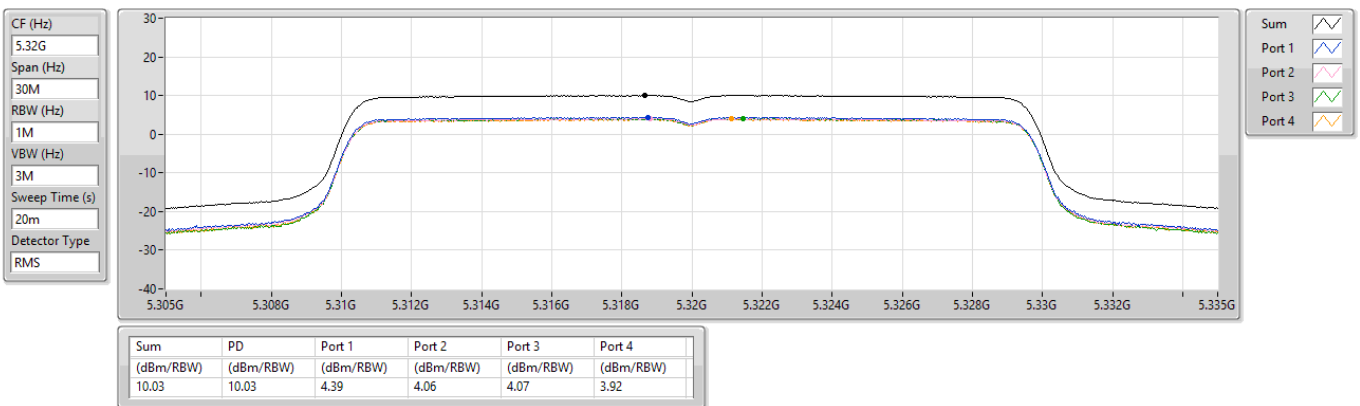


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

30/07/2026



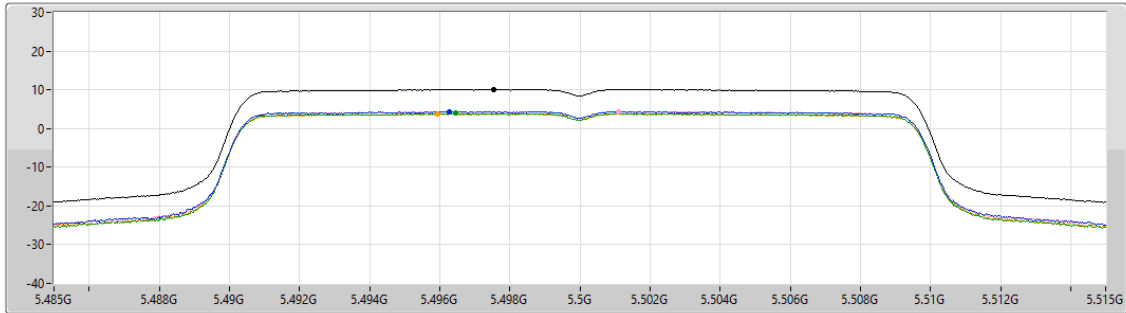
5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

30/07/2026

CF (Hz)
5.5G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.10	10.10	4.41	4.43	3.92	3.82

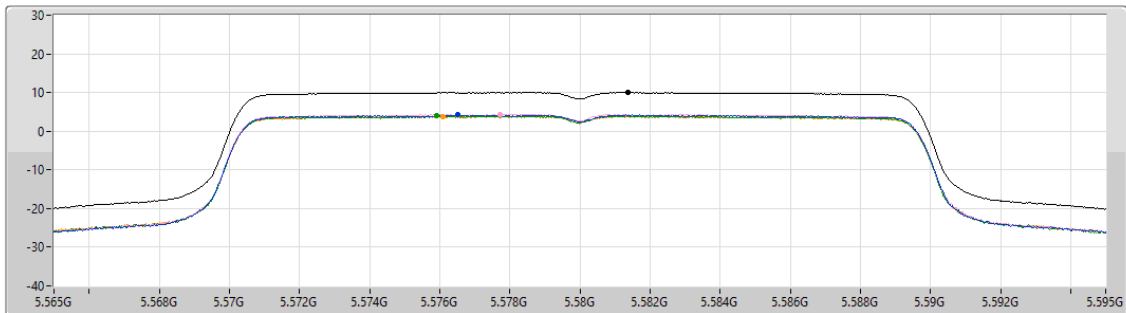
5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

30/07/2026

CF (Hz)
5.58G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
10.01	10.01	4.19	4.39	3.90	3.84

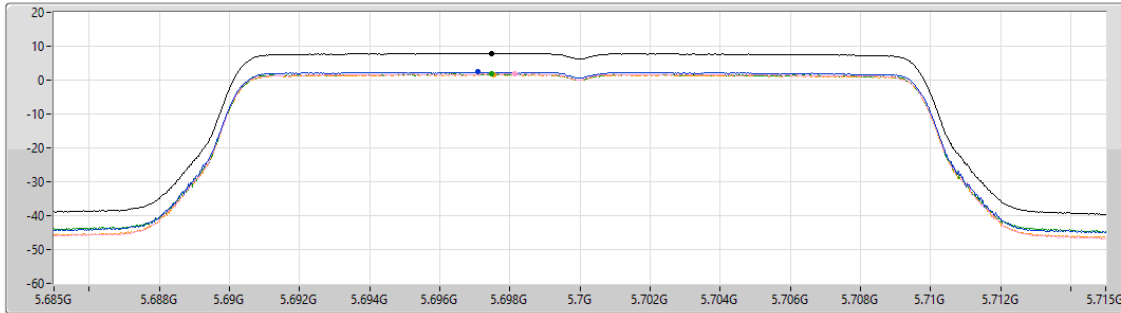
5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

30/07/2026

CF (Hz)
5.7G
Span (Hz)
30M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.87	7.87	2.36	1.93	1.86	1.68

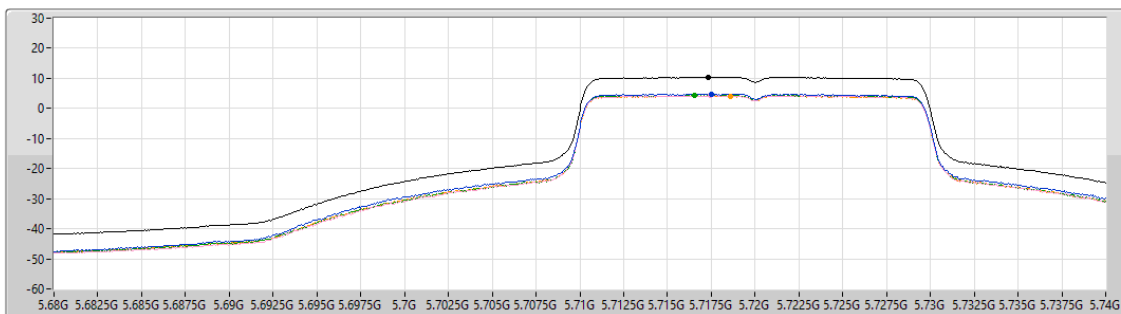
5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/07/2026

CF (Hz)
5.71G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



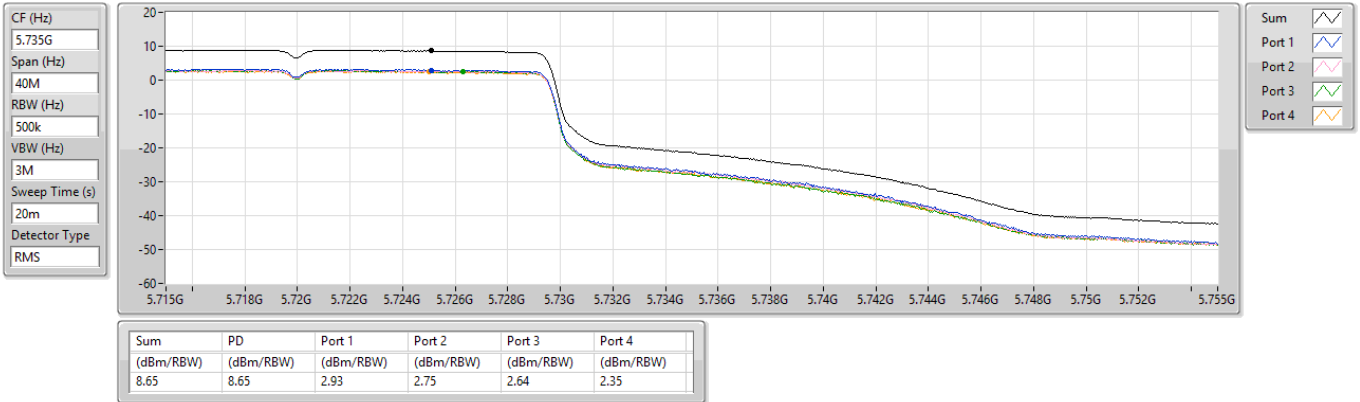
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.32	10.32	4.81	4.27	4.33	4.07

5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/07/2026

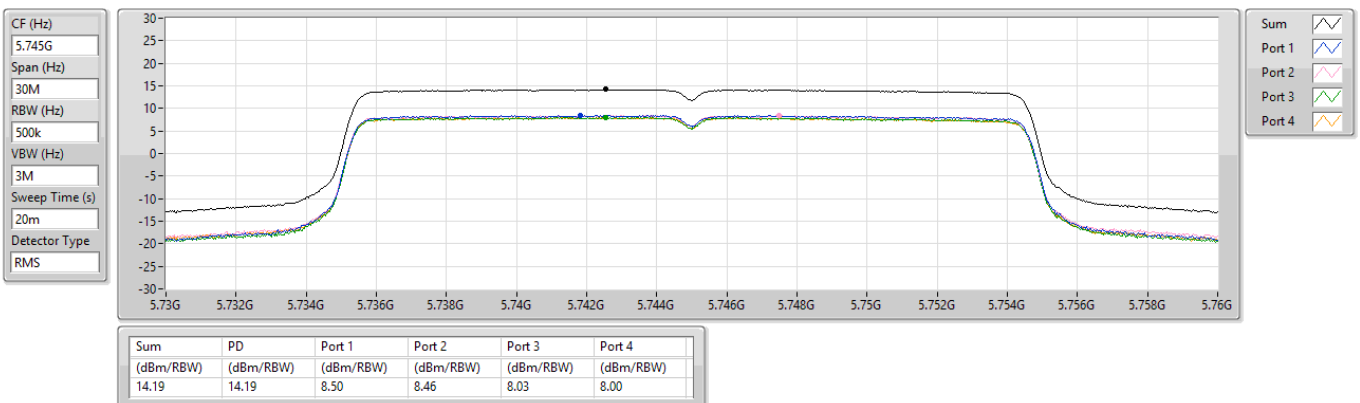


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

30/07/2026

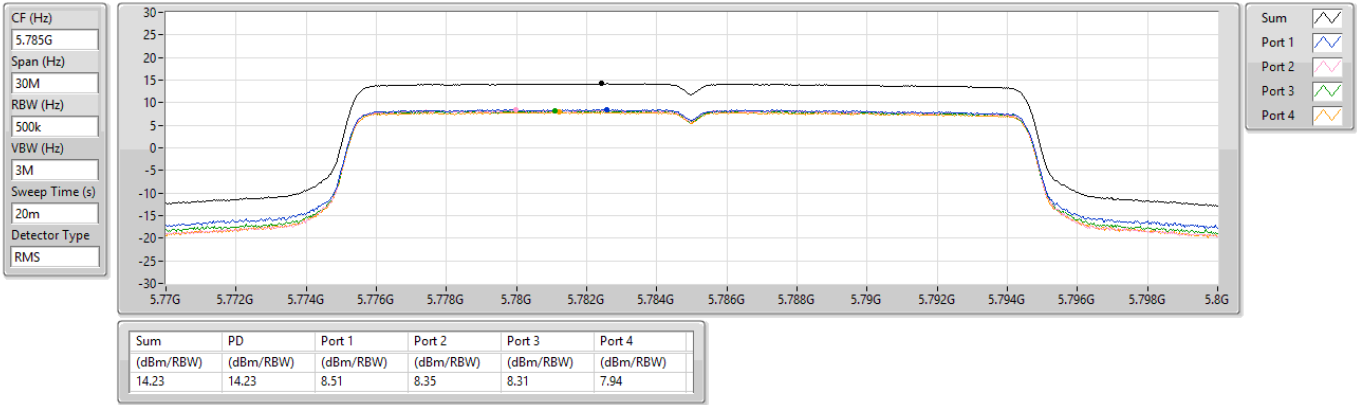


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

30/07/2026

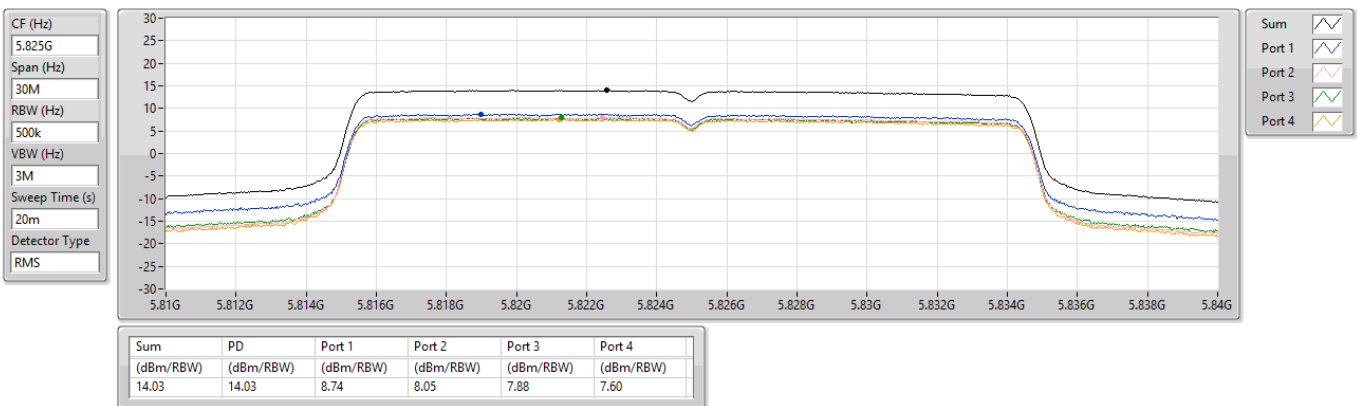


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

30/07/2026



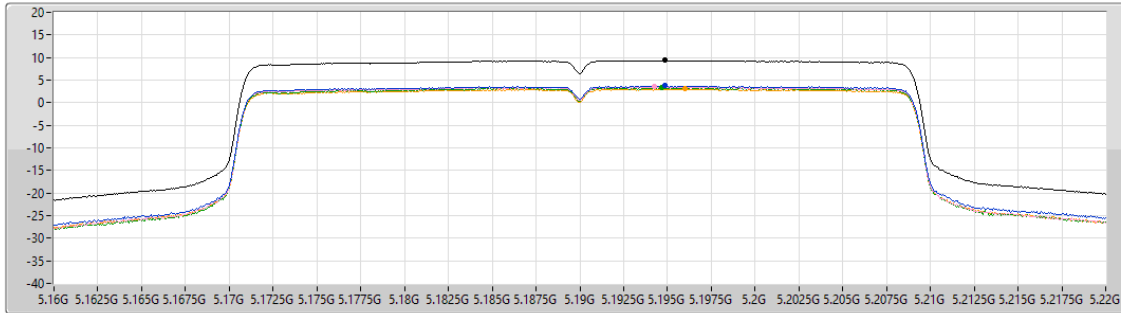
5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

30/07/2026

CF (Hz)
5.19G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.34	9.34	3.75	3.50	3.30	3.02

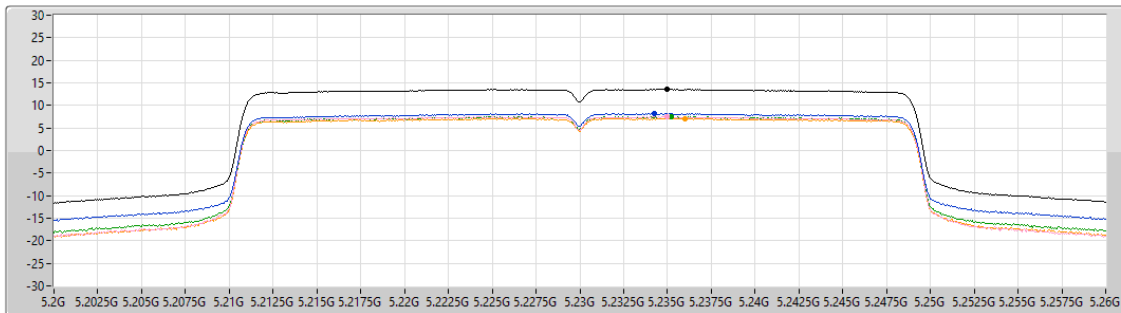
5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

30/07/2026

CF (Hz)
5.23G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.57	13.57	8.19	7.47	7.51	7.14

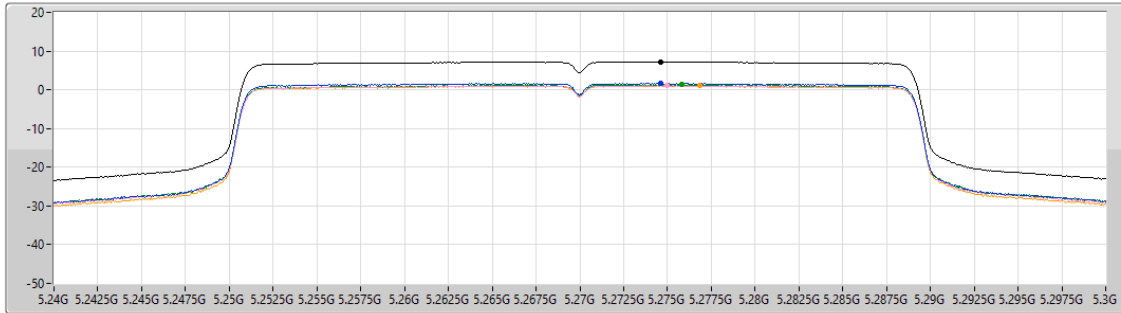
5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

30/07/2026

CF (Hz)
5.27G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.25	7.25	1.63	1.06	1.32	1.04

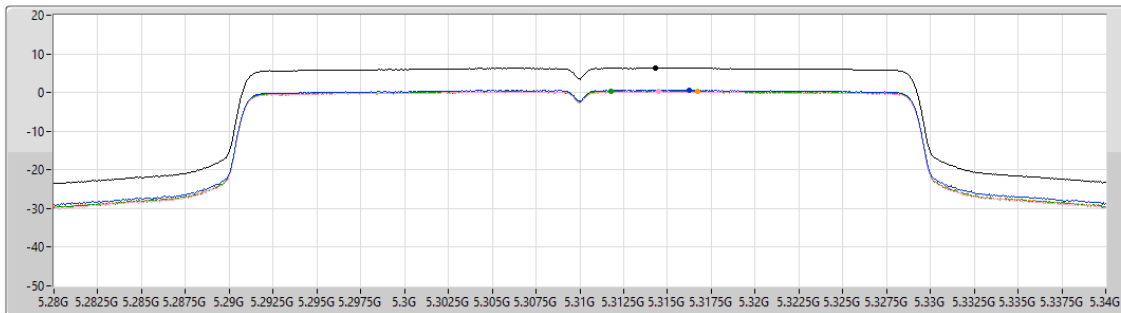
5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

30/07/2026

CF (Hz)
5.31G
Span (Hz)
60M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



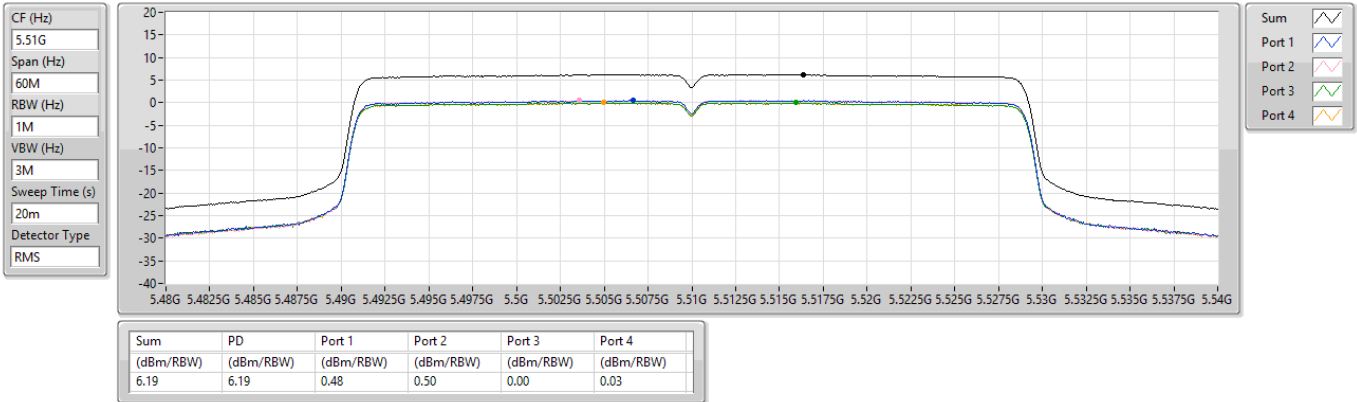
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.33	6.33	0.62	0.25	0.37	0.26

5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

30/07/2026

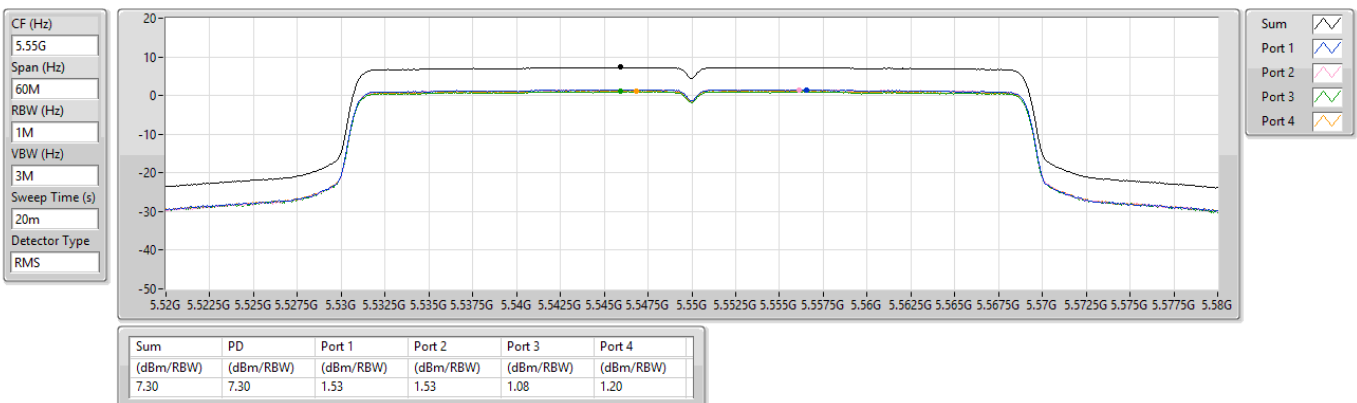


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

30/07/2026

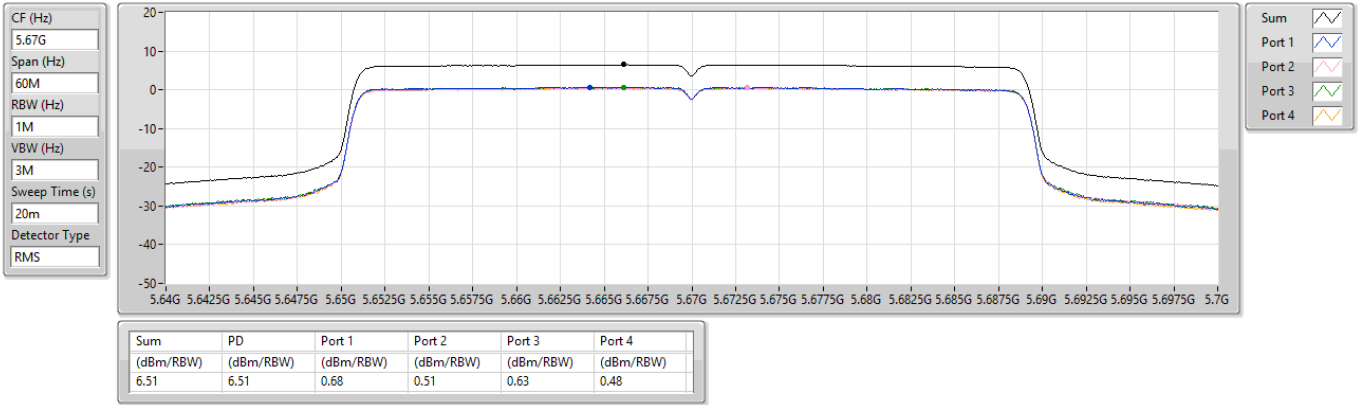


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5670MHz

30/07/2026

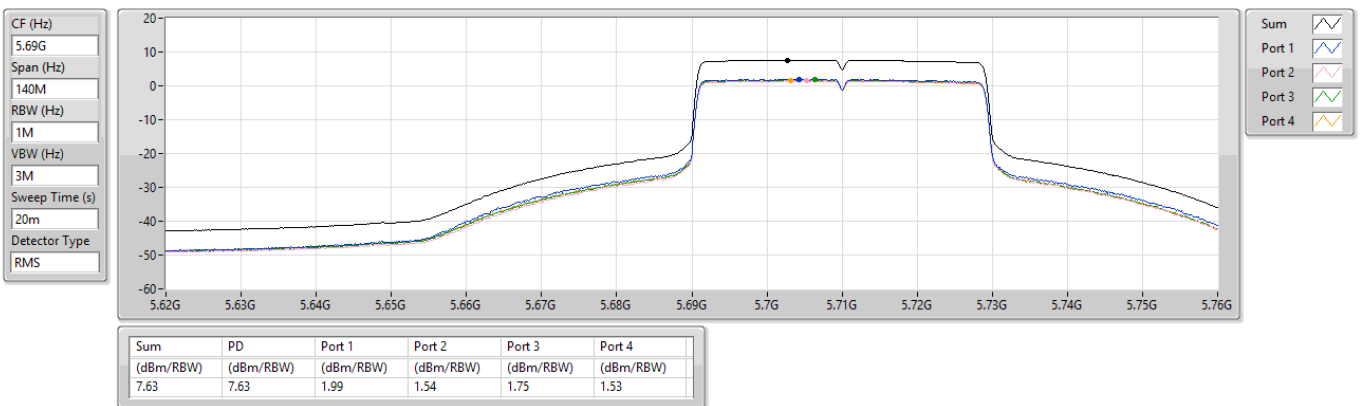


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

30/07/2026

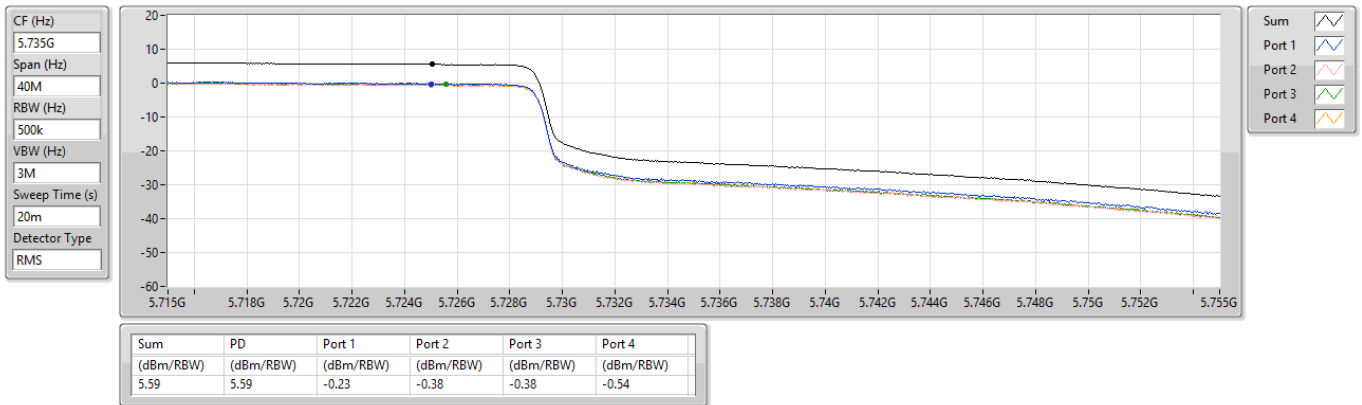


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

30/07/2026

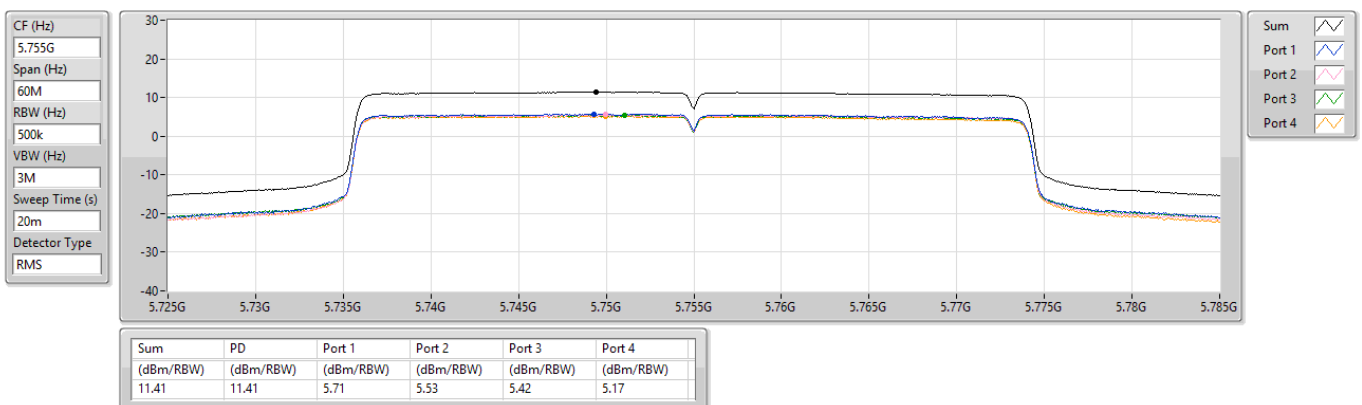


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

30/07/2026

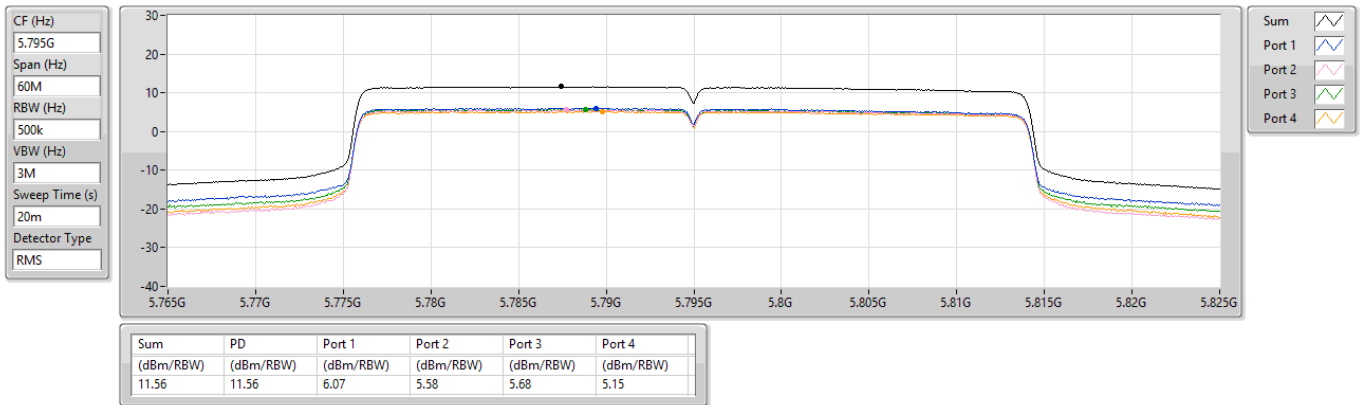


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

30/07/2026

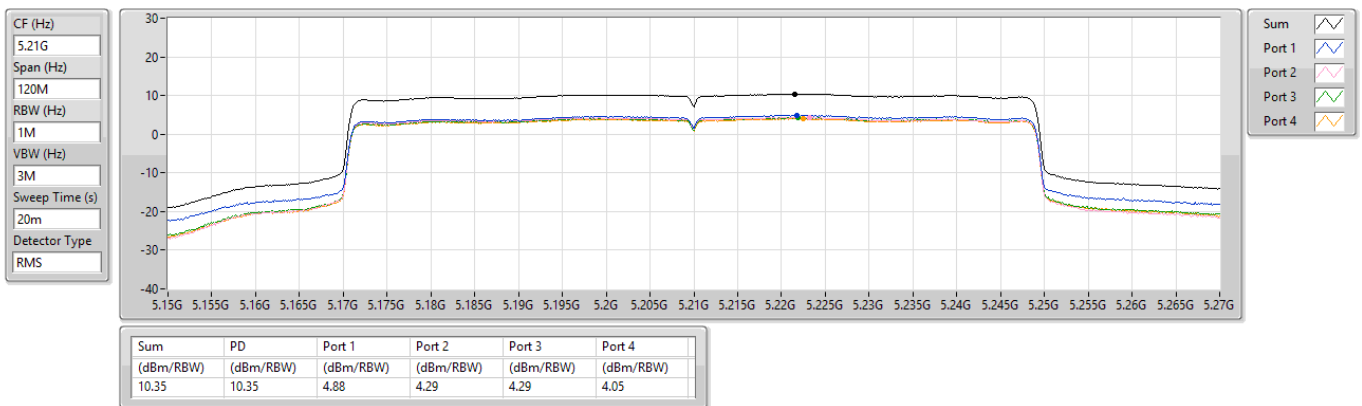


5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

30/07/2026



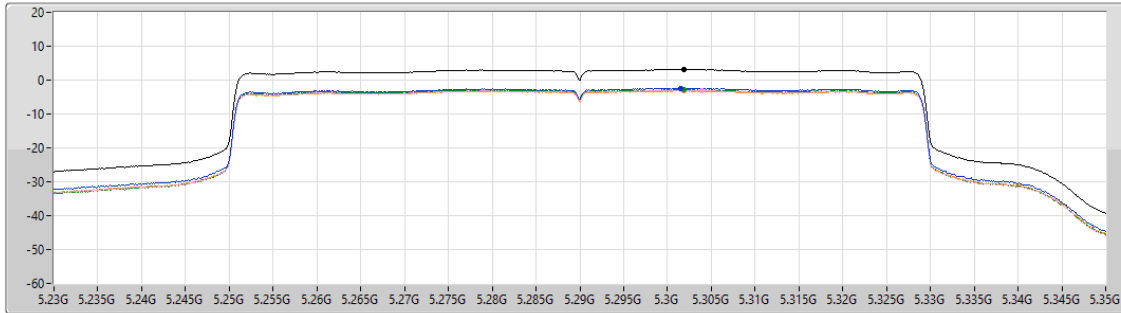
5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

30/07/2026

CF (Hz)
5.29G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



Sum	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.19	3.19	-2.39	-2.99	-2.73

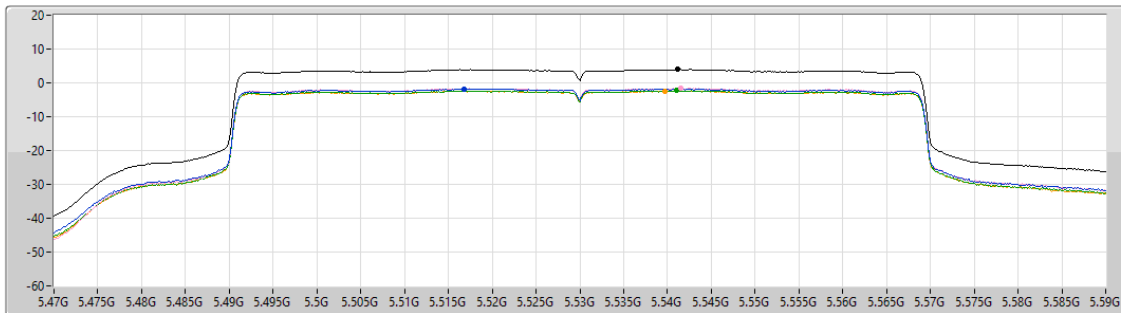
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

30/07/2026

CF (Hz)
5.53G
Span (Hz)
120M
RBW (Hz)
1M
VBW (Hz)
3M
Sweep Time (s)
20m
Detector Type
RMS



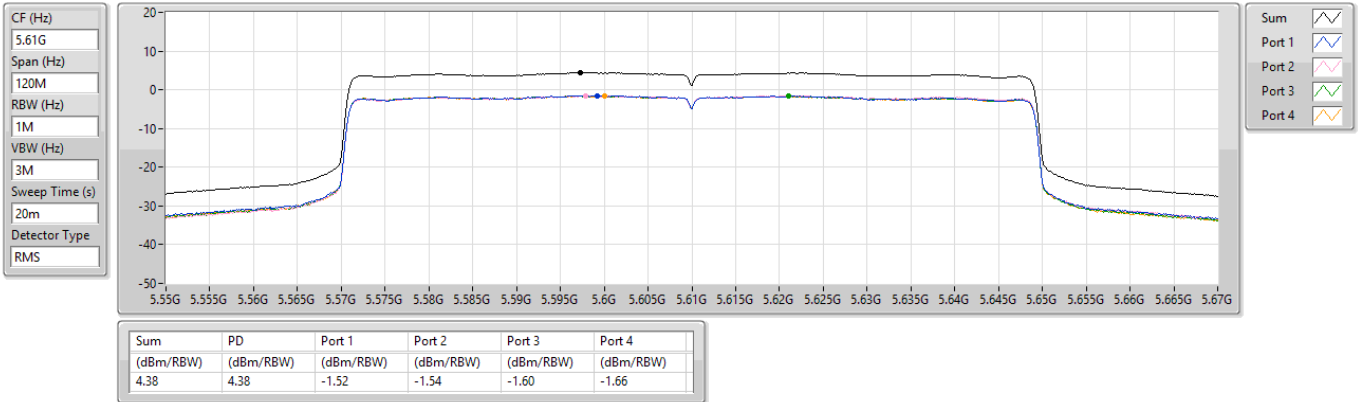
Sum	Port 1	Port 2	Port 3	Port 4
(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)	(dBm/Hz)
3.94	3.94	-1.75	-1.66	-2.33

5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

30/07/2026

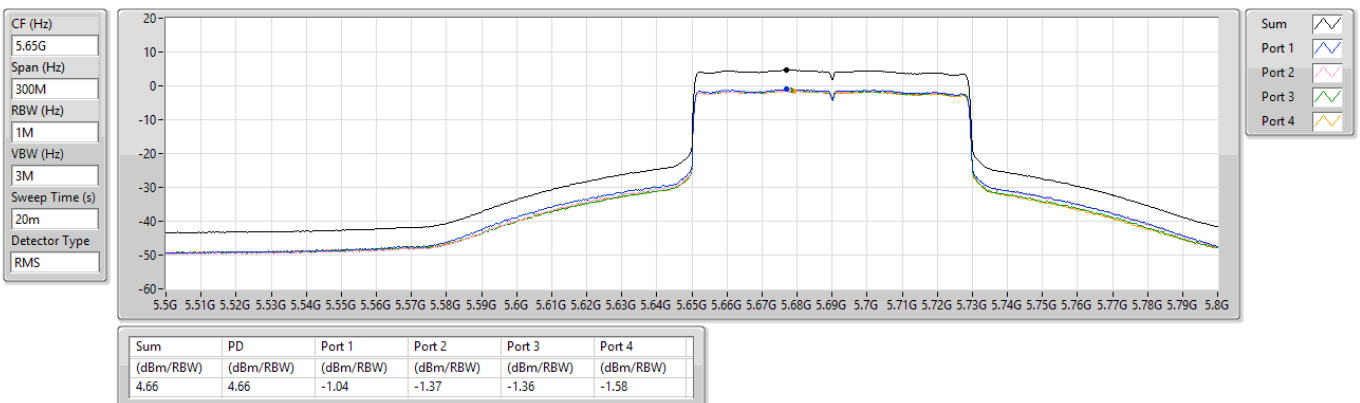


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

30/07/2026

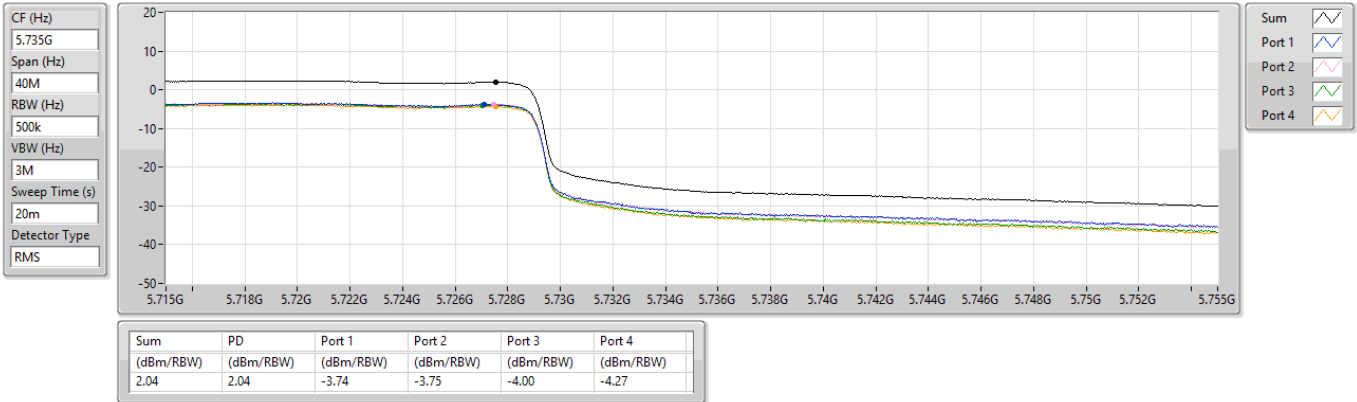


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/07/2026

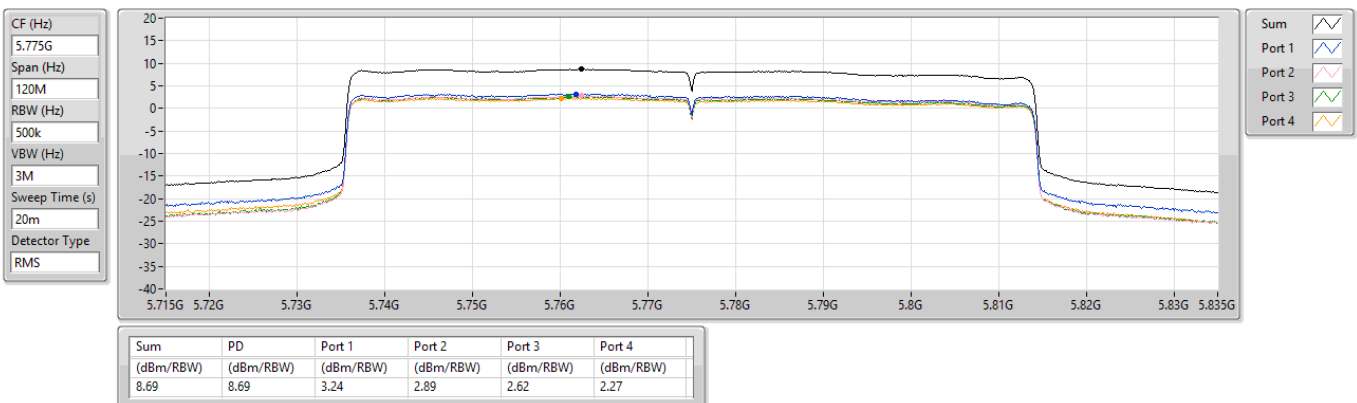


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

30/07/2026

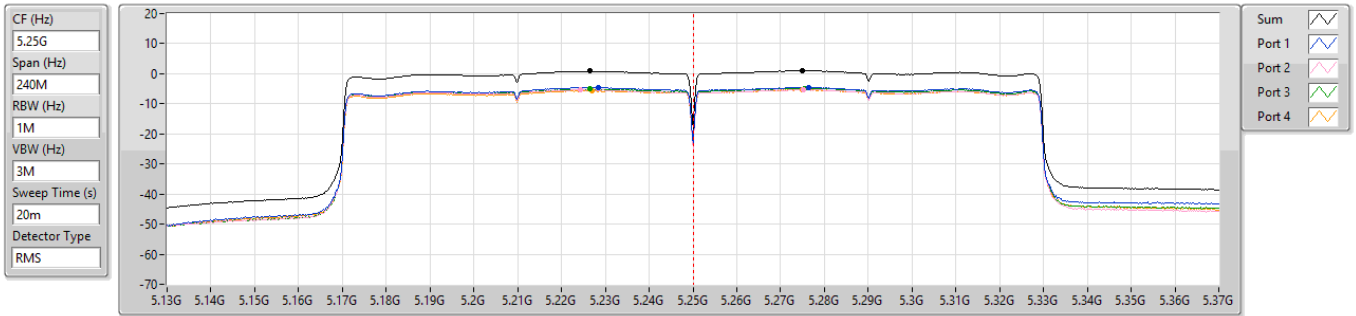


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

30/07/2026



5150~5250MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.84	0.84	-4.59	-5.34	-5.07	-5.59

5250~5350MHz

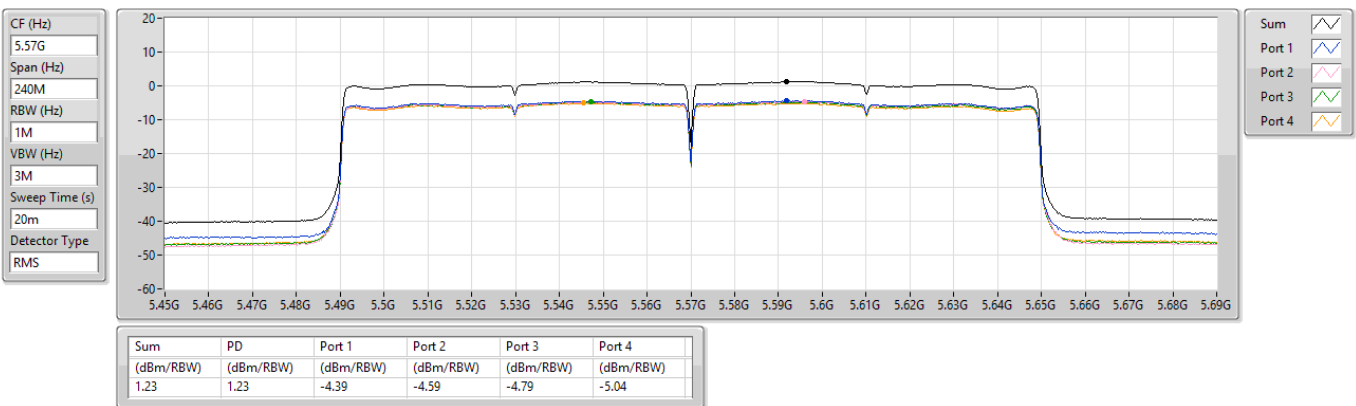
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.02	1.02	-4.59	-5.27	-4.80	-5.26

5.47-5.725GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

30/07/2026



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.23	1.23	-4.39	-4.59	-4.79	-5.04



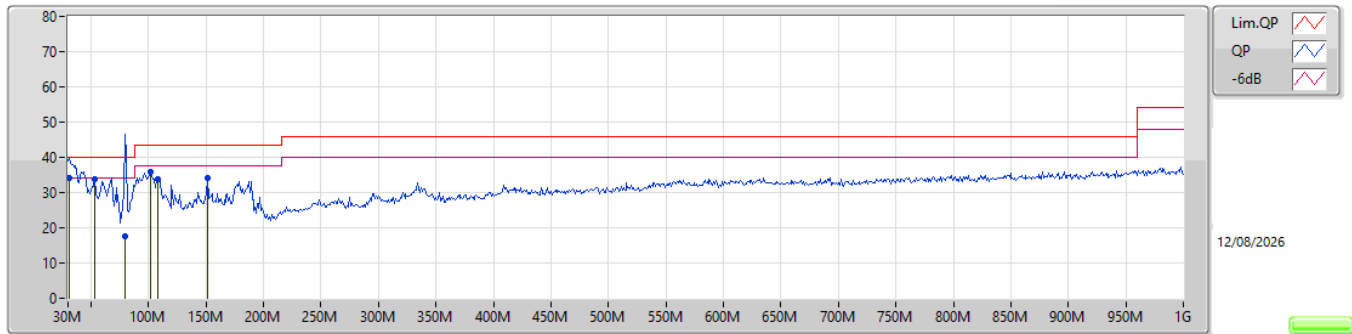
Radiated Emissions below 1GHz

Appendix E.1

Summary

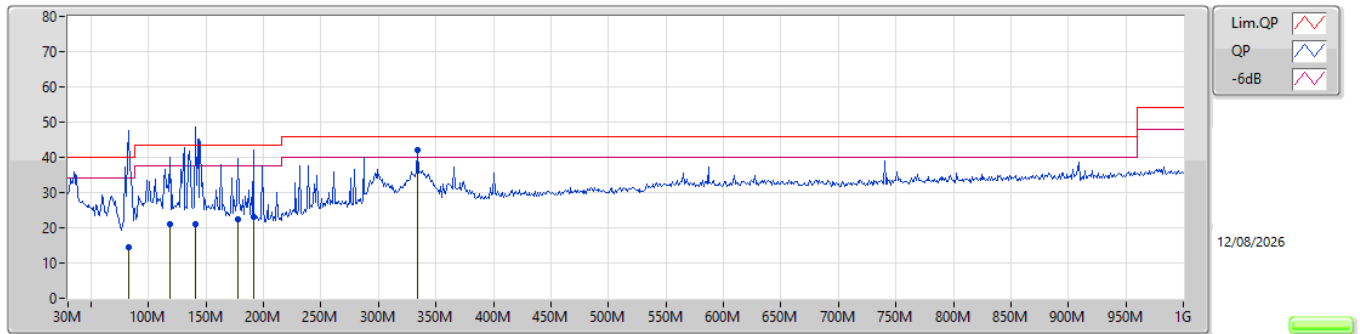
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 1	Pass	PK	333.61M	42.00	46.00	-4.00	Horizontal

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	30.97M	34.09	40.00	-5.91	-19.96	3	Vertical	40	1.00	"Worst"	54.05	23.55	0.97	44.48		
PK	53.28M	33.65	40.00	-6.35	-30.25	3	Vertical	179	1.00	-	63.90	13.20	1.32	44.77		
QP	79.47M	17.55	40.00	-22.45	-30.47	3	Vertical	178	1.25	-	48.02	12.76	1.58	44.81		
PK	101.78M	35.88	43.50	-7.62	-26.26	3	Vertical	138	1.25	-	62.14	16.78	1.79	44.83		
PK	108.57M	33.79	43.50	-9.71	-25.52	3	Vertical	258	1.50	-	59.31	17.45	1.84	44.81		
PK	151.25M	34.21	43.50	-9.29	-26.62	3	Vertical	109	1.00	-	60.83	15.93	2.18	44.73		

Mode 1



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB/m)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB/m)	CL (dB)	PA (dB)		
QP	82.38M	14.61	40.00	-25.39	-30.11	3	Horizontal	351	2.00	-	44.72	13.08	1.62	44.81		
QP	118.27M	20.96	43.50	-22.54	-25.13	3	Horizontal	179	3.00	-	46.09	17.73	1.93	44.79		
QP	140.58M	20.92	43.50	-22.58	-25.80	3	Horizontal	360	3.00	-	46.72	16.82	2.12	44.74		
QP	177.44M	22.27	43.50	-21.23	-27.29	3	Horizontal	74	2.00	-	49.56	15.01	2.39	44.69		
QP	191.02M	22.97	43.50	-20.53	-27.54	3	Horizontal	70	1.50	-	50.51	14.69	2.44	44.67		
PK	333.61M	42.00	46.00	-4.00	-21.81	3	Horizontal	0	1.00	"Worst"	63.81	19.50	3.19	44.50		