FCC Radio Test Report

FCC ID	:	NDD9578992208
Equipment	:	Access Point
Brand Name	:	EDIMAX
Model Name	:	EW-7899WTX
Applicant	:	Edimax Technology Co., Ltd. No.278, Xinhu 1st Rd., Neihu Dist, Taipei City, Taiwan
Manufacturer	:	Edimax Technology Co., Ltd. No.278, Xinhu 1st Rd., Neihu Dist, Taipei City, Taiwan
Standard	:	47 CFR FCC Part 15.407

The product was received on Jun. 24, 2022, and testing was started from Jul. 19, 2022 and completed on Nov. 08, 2022. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Jordan Hsiao

Approved by: Jordan Hsiao

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR260616AN	01	Initial issue of report	Jan. 18, 2023
FR260616AN	02	Revised typo (This report is the latest version replacing for the report issued on Jan. 18, 2023.)	Mar. 10, 2023

Summary of Test Result

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

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

Reviewed by: Ryan Hsiao

Report Producer: Jenny Yang

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5150-5250	n (HT40), ac (VHT40), ax (HEW40)	5190-5230	38-46 [2]
5250-5350		5270-5310	54-62 [2]
5470-5725		5510-5670	102-134 [5]
Straddle 5710		5710	142 [1]
5725-5850		5755-5795	151-159 [2]
5150-5250	ac (VHT80), ax (HEW80)	5210	42 [1]
5250-5350		5290	58 [1]
5470-5725		5530-5610	106-122 [2]
Straddle 5690		5690	138 [1]
5725-5850		5775	155 [1]

Non-Beamforming

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

Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX

Beamforming

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

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	Grand-Tek	DB-1	PIFA	I-Pex	2.4G+5G
2	Grand-Tek	DB-2	PIFA	I-Pex	2.4G+5G
3	Grand-Tek	DB-3	PIFA	I-Pex	2.4G+5G
4	Grand-Tek	DB-4	PIFA	I-Pex	2.4G+5G
5	Grand-Tek	6E-5	PIFA	I-Pex	6G
6	Grand-Tek	6E-6	PIFA	I-Pex	6G
7	Grand-Tek	6E-7	PIFA	I-Pex	6G
8	Grand-Tek	6E-8	PIFA	I-Pex	6G

Ant.	Port	Gain (dBi)		
		2.4G	5G	6G
1	1	5.1	6.2	-
2	2	5.4	4.8	-
3	3	5.1	4.7	-
4	4	4.7	5.7	-
5	1	-	-	7
6	2	-	-	6.9
7	3	-	-	7.2
8	4	-	-	6

Note 1: The EUT has eight antennas.

For 2.4GHz function:

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

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

For 5GHz function:

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

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

For 6GHz function:

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

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

Note 2: Directional gain informaion

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

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☐	Outdoor AP	☒	Indoor AP
	☐	Fixed P2P AP	☐	Client
Beamforming Function	☒	With beamforming	☐	Without beamforming
TPC Function	☒	With TPC Function	☐	Without TPC Function
Weather Band	☒	With 5600~5650MHz	☐	Without 5600~5650MHz
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU

Type of EUT		
☒	Stand-alone	
☐	Combined (EUT where the radio part is fully integrated within another device)	
	Combined Equipment - Brand Name / Model No.:	…
☐	Plug-in radio (EUT intended for a variety of host systems)	
	Host System - Brand Name / Model No.:	
☐	Other:	

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.957	0.19	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss1,(MCS0)_4TX	0.978	0.1	5.381m	300

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.978	0.1	5.381m	300

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

1.2 Testing Applied Standards

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

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

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

- KDB 662911 D01 v02r01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua **(TAF:** 3785**)**	**ADD:** No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		**FAX:** 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
AC Conduction	CO04-HY	Wayne Chiu	21.2~21.6°C / 55~57%	01/Aug/2022
RF Conducted (Non-Beamforming)	TH07-HY	Yuna Lin	20.1~26.9°C / 50~60%	02/Aug/2022~15/Aug/2022
RF Conducted (Beamforming)	TH07-HY	Yuna Lin	22.9~25.6°C / 50~58%	23/Aug/2022
☒ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated	03CH09-HY	Lego Lin	22.6~26.1°C / 48~56%	19/Jul/2022~08/Nov/2022

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	QDART-Connectivity1.0-00089

Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	17.5
5200MHz	17.5
5240MHz	17
5260MHz	10.5
5300MHz	11
5320MHz	10.5
5500MHz	10.5
5580MHz	11.5
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11
5720MHz Straddle 5.725-5.85GHz	11
5745MHz	23.5
5785MHz	23.5
5825MHz	24
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	18.5
5200MHz	18
5240MHz	17
5260MHz	11
5300MHz	11.5
5320MHz	11
5500MHz	11
5580MHz	12
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
5745MHz	21.5
5785MHz	22

Mode	Power Setting
5825MHz	22.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	17.5
5230MHz	20.5
5270MHz	14.5
5310MHz	14
5510MHz	14.5
5550MHz	15
5670MHz	14
5710MHz Straddle 5.47-5.725GHz	14.5
5710MHz Straddle 5.725-5.85GHz	14.5
5755MHz	22.5
5795MHz	23.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	17.5
5290MHz	15.5
5530MHz	17.5
5610MHz	17
5690MHz Straddle 5.47-5.725GHz	16.5
5690MHz Straddle 5.725-5.85GHz	16.5
5775MHz	22

Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	18
5200MHz	17.5
5240MHz	17
5260MHz	10.5
5300MHz	11
5320MHz	10.5
5500MHz	10.5
5580MHz	11.5
5700MHz	11
5720MHz Straddle 5.47-5.725GHz	11.5
5720MHz Straddle 5.725-5.85GHz	11.5
5745MHz	17.5
5785MHz	18.5
5825MHz	18.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	17.5
5230MHz	17.5
5270MHz	11.5
5310MHz	11.5
5510MHz	11.5
5550MHz	11.5
5670MHz	11
5710MHz Straddle 5.47-5.725GHz	11.5
5710MHz Straddle 5.725-5.85GHz	11.5
5755MHz	17.5
5795MHz	18.5
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	17.5
5290MHz	11
5530MHz	12
5610MHz	12
5690MHz Straddle 5.47-5.725GHz	11.5
5690MHz Straddle 5.725-5.85GHz	11.5
5775MHz	18.5

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	WLAN 2.4GHz+WLAN 5GHz+WLAN 6GHz
Refer to Appendix F for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	WLAN 2.4GHz+WLAN 5GHz+WLAN 6GHz
Refer to Sporton Test Report No.: FA260616 for Co-location RF Exposure Evaluation.	

2.3 Accessories

Accessories				
Wall Mount*2	Brand Name	-	Model Name	-

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

2.4 Support Equipment

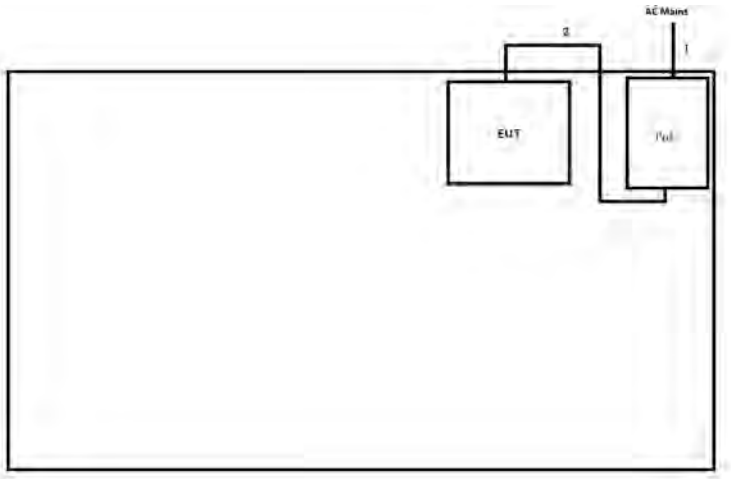
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	RJ45 Cable	Power Sync	CAT-6E-10	-	-
2	PoE	LINKSYS	PI021A	-	Provided by Customer
3	AC Power Cable	Power Sync	TPCMRN0018	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	PoE (remote)	LINKSYS	PI021A	-	Provided by Customer
2	AC Power Cable (remote)	Power sync	TPCMRN0018	-	-

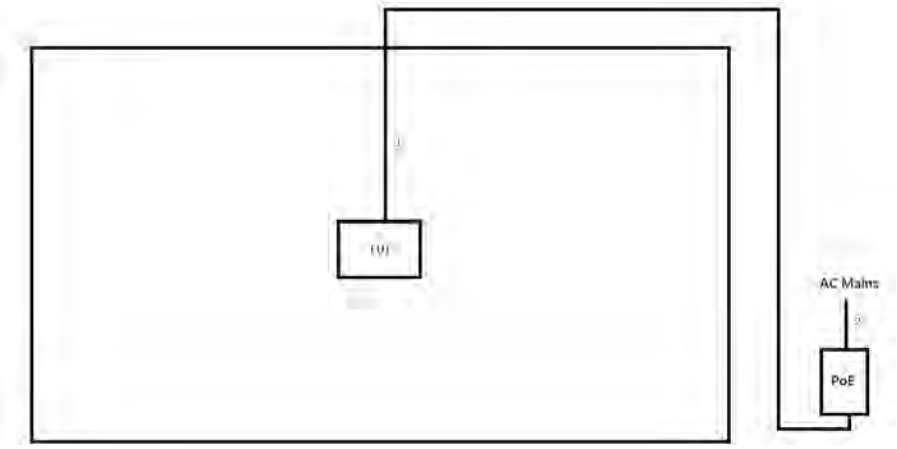
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	RJ45 cable	No	10.0	-

Test Setup Diagram - Radiated Test



Item	Connection	Shielded	Length(m)	Remark
1	RJ45 cable	No	10.0	-
2	AC Power cable	No	1.8	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

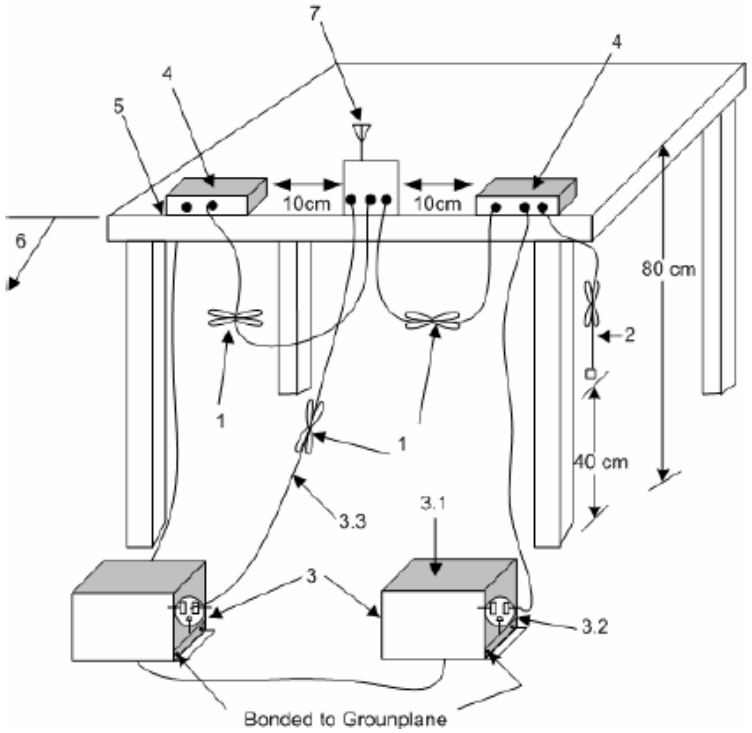
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) +LISN(LISN Factor) + CL(Cable Loss) + AT(Attenuator).

3.1.5 Test Setup

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

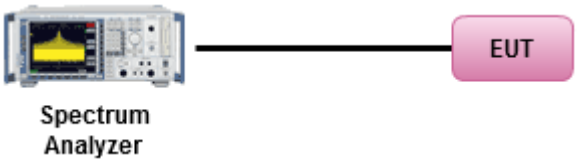
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup

Emission Bandwidth
 Spectrum Analyzer

3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6). e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm]
	▪ Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If G_{TX} > 6 dBi, then P_{Out} = 30 – (G_{TX} – 6)
	▪ Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W If G_{TX} > 23 dBi, then P_{Out} = 30 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If G_{TX} > 6 dBi, then P_{Out} = 24 – (G_{TX} – 6).
☒ For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or 11 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.
P_{Out} = maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

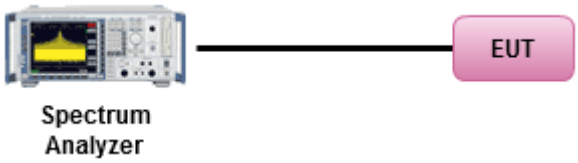
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

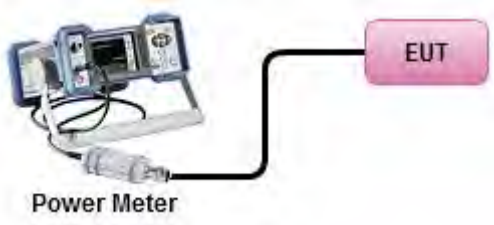
Test Method	
▪ Maximum Conducted Output Power	
	Duty cycle ≥ 98%
	☐ Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
	☒ Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods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

3.3.4 Test Setup

For Straddle channel

RF Output Power (Spectrum Analyzer)


For Other channel

RF Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density

3.4.1 Peak Power Spectral Density Limit

Peak Power Spectral Density Limit	
UNII Devices	
☒ For the 5.15-5.25 GHz band:	
	▪ Outdoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Indoor AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 6 dBi, then P_{Out} = 17 – (G_{TX} – 6).
	▪ Point-to-point AP: the peak power spectral density (PPSD) shall not exceed the lesser of 17dBm/MHz. If G_{TX} > 23 dBi, then P_{Out} = 17 – (G_{TX} – 23).
	▪ Mobile or Portable Client: the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6)..
☒ For the 5.25-5.35 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.47-5.725 GHz band, the peak power spectral density (PPSD) ≤ 11 dBm/MHz. If G_{TX} > 6 dBi, then PPSD= 11 – (G_{TX} – 6).	
☒ For the 5.725-5.85 GHz band:	
	▪ Point-to-multipoint systems (P2M): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz. If G_{TX} > 6 dBi, then PPSD= 30 – (G_{TX} – 6).
	▪ Point-to-point systems (P2P): the peak power spectral density (PPSD) ≤ 30 dBm/500kHz.
PPSD = peak power spectral density that 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.	

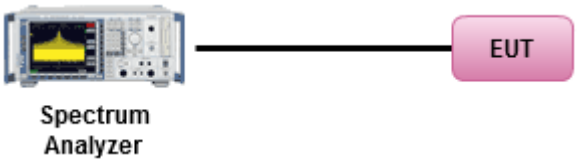
3.4.2 Measuring Instruments

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

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

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

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

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪ For the transmitter unwanted emissions shall be measured using following options below:
▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
☒ Refer as KDB 789033, G)6) Method VB (ANSI C63.10, clause 4.1.4.2.3), Reduced VBW.
☒ Refer as KDB 789033, clause G)5) (ANSI C63.10, clause 4.1.4.2.2), measurement procedure peak limit.
▪ For radiated measurement.
▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
▪ The any unwanted emissions level shall not exceed the fundamental emission level.
▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.
▪ Use the following spectrum analyzer settings:
▪ Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
▪ Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪ Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

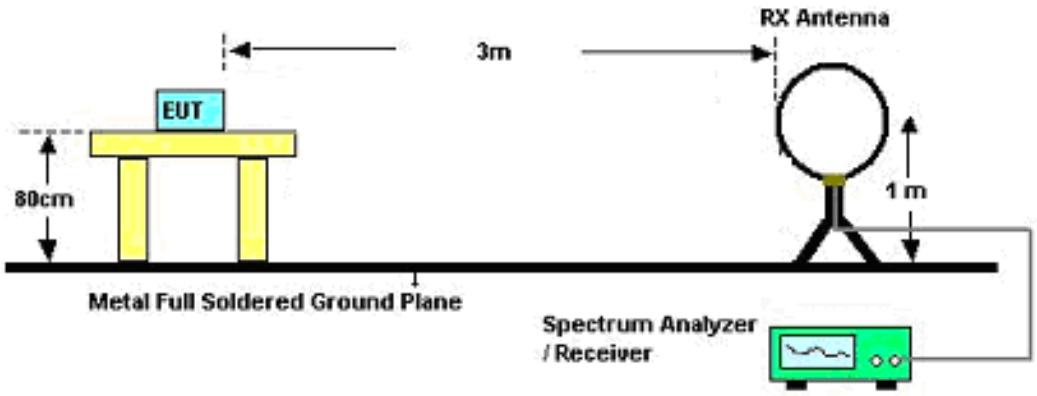
3.5.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

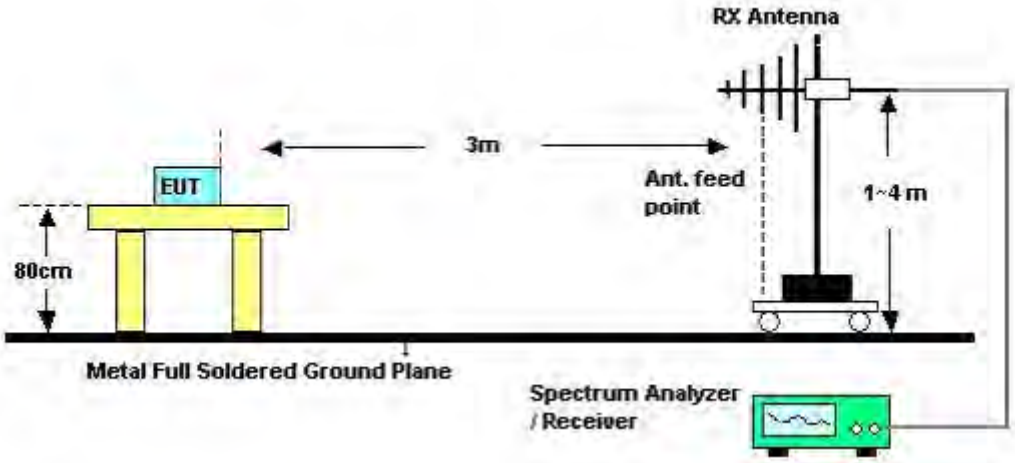
3.5.5 Test Setup

Transmitter Radiated Unwanted Emissions

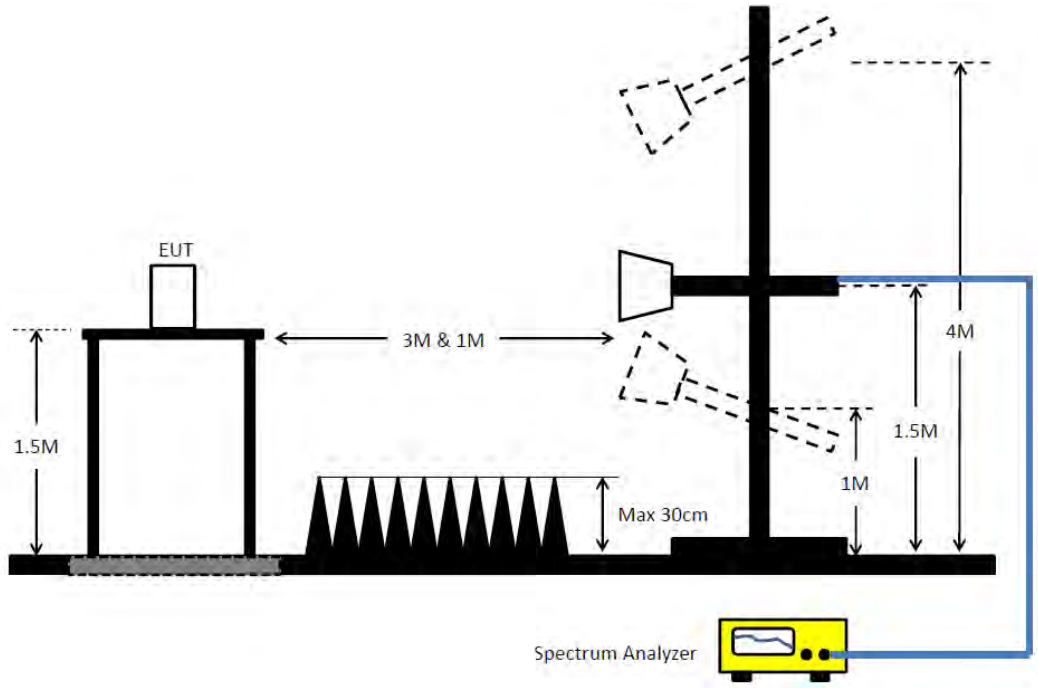
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.8.2	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
SMR 40 Signal Generator	R&S	SMR 40	100116	10 MHz ~10GHz	11/Jan/2022	10/Jan/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	17/Dec/2021	16/Dec/2022
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	20/Dec/2021	19/Dec/2022
SENSE-15407_NII	V5.10.8.3	N/A	N/A	N/A	N/A	N/A

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	13/Aug/2021	12/Aug/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	23/Jul/2021	22/Jul/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	04/Sep/2021	03/Sep/2022
RF Cable-low	Jye Bao	RG142	CB031+324530/4	9kHz~30MHz	30/Aug/2021	29/Aug/2022
RF Cable-low	Jye Bao	RG142	CB031+324530/4	30MHz~1GHz	07/Feb/2022	06/Feb/2023
RF CABLE 5m+3m+1m	HUBER+ SUHNER	SUCOFLEX104	CB009	1GHz~40GHz	13/Aug/2021	12/Aug/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE-15407	Sporton	NA	5.10.7.20	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	5.10.7.15	NA	NA	NA

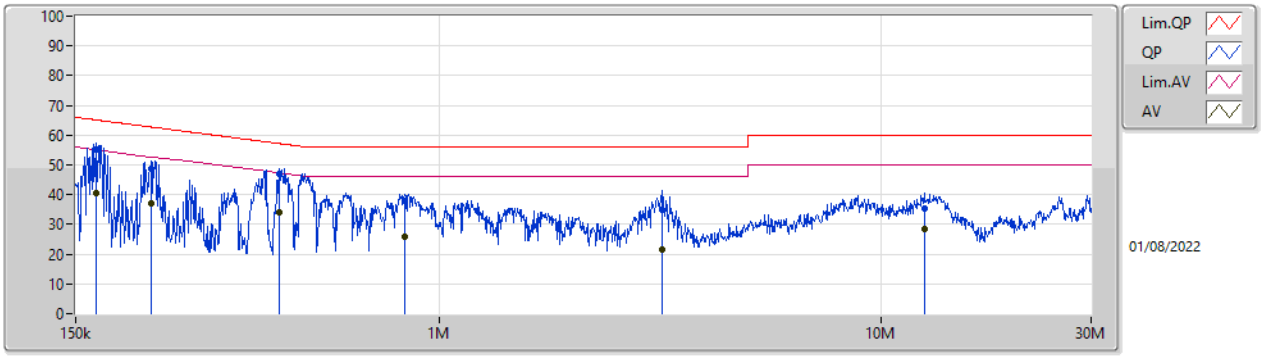
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	504.824k	47.56	56.00	-8.44	Neutral

Result

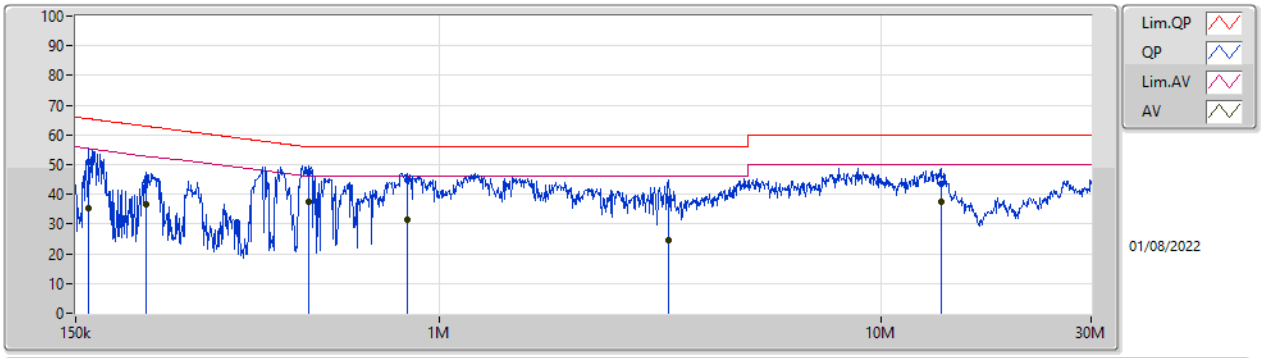
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	166.406k	55.24	65.14	-9.90	Line	-
Mode 1	Pass	AV	166.406k	40.68	55.14	-14.46	Line	-
Mode 1	Pass	QP	221.817k	48.67	62.75	-14.08	Line	-
Mode 1	Pass	AV	221.817k	37.25	52.75	-15.50	Line	-
Mode 1	Pass	QP	433.769k	46.93	57.19	-10.26	Line	-
Mode 1	Pass	AV	433.769k	34.08	47.19	-13.11	Line	-
Mode 1	Pass	QP	834.81k	38.08	56.00	-17.92	Line	-
Mode 1	Pass	AV	834.81k	25.69	46.00	-20.31	Line	-
Mode 1	Pass	QP	3.192M	34.88	56.00	-21.12	Line	-
Mode 1	Pass	AV	3.192M	21.47	46.00	-24.53	Line	-
Mode 1	Pass	QP	12.554M	35.20	60.00	-24.80	Line	-
Mode 1	Pass	AV	12.554M	28.54	50.00	-21.46	Line	-
Mode 1	Pass	QP	160.533k	50.70	65.43	-14.73	Neutral	-
Mode 1	Pass	AV	160.533k	35.29	55.43	-20.14	Neutral	-
Mode 1	Pass	QP	216.567k	44.44	62.94	-18.50	Neutral	-
Mode 1	Pass	AV	216.567k	36.60	52.94	-16.34	Neutral	-
Mode 1	Pass	QP	504.824k	47.56	56.00	-8.44	Neutral	-
Mode 1	Pass	AV	504.824k	37.48	46.00	-8.52	Neutral	-
Mode 1	Pass	QP	844.868k	44.70	56.00	-11.30	Neutral	-
Mode 1	Pass	AV	844.868k	31.43	46.00	-14.57	Neutral	-
Mode 1	Pass	QP	3.309M	38.36	56.00	-17.64	Neutral	-
Mode 1	Pass	AV	3.309M	24.38	46.00	-21.62	Neutral	-
Mode 1	Pass	QP	13.706M	43.41	60.00	-16.59	Neutral	-
Mode 1	Pass	AV	13.706M	37.35	50.00	-12.65	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	166.406k	55.24	65.14	-9.90	19.63	Line	-	35.61	9.69	0.03	9.91
AV	166.406k	40.68	55.14	-14.46	19.63	Line	-	21.05	9.69	0.03	9.91
QP	221.817k	48.67	62.75	-14.08	19.63	Line	-	29.04	9.69	0.03	9.91
AV	221.817k	37.25	52.75	-15.50	19.63	Line	-	17.62	9.69	0.03	9.91
QP	433.769k	46.93	57.19	-10.26	19.63	Line	-	27.30	9.68	0.04	9.91
AV	433.769k	34.08	47.19	-13.11	19.63	Line	-	14.45	9.68	0.04	9.91
QP	834.81k	38.08	56.00	-17.92	19.65	Line	-	18.43	9.68	0.05	9.92
AV	834.81k	25.69	46.00	-20.31	19.65	Line	-	6.04	9.68	0.05	9.92
QP	3.192M	34.88	56.00	-21.12	19.74	Line	-	15.14	9.71	0.11	9.92
AV	3.192M	21.47	46.00	-24.53	19.74	Line	-	1.73	9.71	0.11	9.92
QP	12.554M	35.20	60.00	-24.80	19.94	Line	-	15.26	9.80	0.21	9.93
AV	12.554M	28.54	50.00	-21.46	19.94	Line	-	8.60	9.80	0.21	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	160.533k	50.70	65.43	-14.73	19.67	Neutral	-	31.03	9.73	0.03	9.91
AV	160.533k	35.29	55.43	-20.14	19.67	Neutral	-	15.62	9.73	0.03	9.91
QP	216.567k	44.44	62.94	-18.50	19.66	Neutral	-	24.78	9.72	0.03	9.91
AV	216.567k	36.60	52.94	-16.34	19.66	Neutral	-	16.94	9.72	0.03	9.91
QP	504.824k	47.56	56.00	-8.44	19.67	Neutral	-	27.89	9.72	0.04	9.91
AV	504.824k	37.48	46.00	-8.52	19.67	Neutral	-	17.81	9.72	0.04	9.91
QP	844.868k	44.70	56.00	-11.30	19.70	Neutral	-	25.00	9.73	0.05	9.92
AV	844.868k	31.43	46.00	-14.57	19.70	Neutral	-	11.73	9.73	0.05	9.92
QP	3.309M	38.36	56.00	-17.64	19.79	Neutral	-	18.57	9.75	0.12	9.92
AV	3.309M	24.38	46.00	-21.62	19.79	Neutral	-	4.59	9.75	0.12	9.92
QP	13.706M	43.41	60.00	-16.59	20.10	Neutral	-	23.31	9.94	0.23	9.93
AV	13.706M	37.35	50.00	-12.65	20.10	Neutral	-	17.25	9.94	0.23	9.93

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	19.83M	16.612M	16M6D1D	18.75M	16.342M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	19.01M	19M0D1D	20.64M	18.711M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.04M	37.961M	38M0D1D	40.32M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.08M	77.241M	77M2D1D	81.72M	76.522M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.77M	16.582M	16M6D1D	18.87M	16.222M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.69M	19.1M	19M1D1D	20.94M	18.831M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.1M	38.081M	38M1D1D	40.14M	37.361M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.96M	77.361M	77M4D1D	81.36M	76.522M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.65M	16.612M	16M6D1D	14.04M	12.954M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.81M	19.04M	19M0D1D	15.255M	14.363M
802.11ax HEW40_Nss1,(MCS0)_4TX	41.4M	38.141M	38M1D1D	35.175M	33.513M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.56M	77.721M	77M7D1D	75.75M	72.789M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.29M	21.439M	21M4D1D	3.14M	3.418M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.05M	19.19M	19M2D1D	2.58M	4.518M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.8M	38.921M	38M9D1D	4.02M	4.138M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.76M	77.721M	77M7D1D	3.92M	4.218M

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

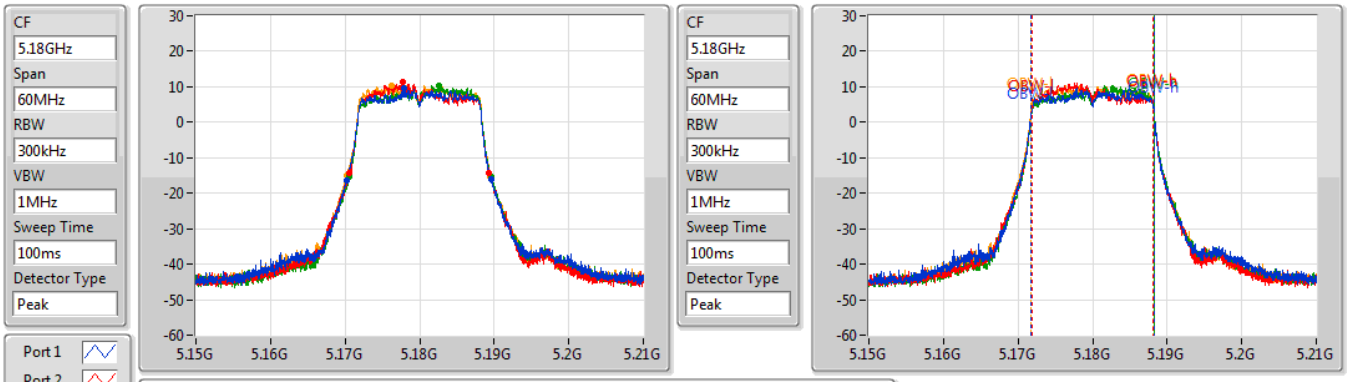
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	19.41M	16.462M	18.75M	16.342M	19.08M	16.372M	19.29M	16.402M
5200MHz	Pass	Inf	19.41M	16.462M	19.53M	16.522M	19.41M	16.462M	19.32M	16.402M
5240MHz	Pass	Inf	19.47M	16.432M	19.83M	16.612M	19.44M	16.432M	18.9M	16.402M
5260MHz	Pass	Inf	19.65M	16.462M	18.87M	16.342M	19.23M	16.432M	19.47M	16.462M
5300MHz	Pass	Inf	19.41M	16.402M	18.99M	16.222M	19.17M	16.372M	19.29M	16.402M
5320MHz	Pass	Inf	19.17M	16.402M	19.77M	16.582M	19.77M	16.552M	19.71M	16.432M
5500MHz	Pass	Inf	19.56M	16.402M	19.14M	16.402M	18.81M	16.282M	19.35M	16.432M
5580MHz	Pass	Inf	19.2M	16.342M	19.35M	16.492M	19.11M	16.372M	19.32M	16.432M
5700MHz	Pass	Inf	19.65M	16.612M	18.99M	16.432M	18.78M	16.282M	19.38M	16.432M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.115M	13.043M	14.445M	13.238M	14.04M	12.954M	14.67M	13.238M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.458M	3.16M	3.478M	3.14M	3.418M	3.16M	3.458M
5745MHz	Pass	500k	15.66M	17.691M	15.69M	17.151M	16.29M	19.16M	16.29M	21.439M
5785MHz	Pass	500k	15M	16.762M	15.3M	16.912M	11.4M	16.432M	15.69M	19.25M
5825MHz	Pass	500k	15.66M	17.721M	15.06M	17.481M	15.6M	17.181M	15.63M	17.061M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.36M	18.951M	21.69M	18.981M	21.18M	18.921M	21.36M	18.921M
5200MHz	Pass	Inf	21.12M	18.831M	21.66M	19.01M	21.63M	18.951M	21.48M	18.921M
5240MHz	Pass	Inf	20.85M	18.831M	20.64M	18.711M	21.36M	18.891M	21.66M	18.891M
5260MHz	Pass	Inf	21.15M	18.891M	21.3M	18.891M	21M	18.951M	21.69M	18.951M
5300MHz	Pass	Inf	20.94M	18.831M	21.63M	19.1M	21.12M	18.891M	21.54M	18.891M
5320MHz	Pass	Inf	21.21M	18.951M	21.3M	18.861M	21.15M	18.951M	21.66M	18.921M
5500MHz	Pass	Inf	21.51M	18.951M	21.33M	19.01M	21.75M	19.01M	21.63M	18.921M
5580MHz	Pass	Inf	21.24M	18.951M	21.24M	18.921M	21.3M	18.951M	21.81M	18.951M
5700MHz	Pass	Inf	20.82M	18.951M	21.81M	19.04M	20.97M	18.951M	21.33M	18.951M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.78M	14.498M	15.255M	14.363M	15.63M	14.528M	15.51M	14.438M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.578M	4.44M	4.558M	2.58M	4.518M	4.52M	4.578M
5745MHz	Pass	500k	18.99M	19.13M	18.78M	18.981M	19.02M	19.1M	18.6M	19.1M
5785MHz	Pass	500k	16.32M	18.771M	18.99M	19.19M	16.92M	19.07M	19.05M	19.07M
5825MHz	Pass	500k	18.03M	19.16M	12.39M	18.771M	15.66M	19.01M	19.05M	19.07M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.56M	37.721M	40.32M	37.661M	40.98M	37.961M	40.92M	37.841M
5230MHz	Pass	Inf	40.68M	37.901M	40.38M	37.481M	40.92M	37.901M	41.04M	37.841M
5270MHz	Pass	Inf	41.1M	37.781M	40.14M	37.361M	40.68M	37.901M	40.86M	37.901M
5310MHz	Pass	Inf	40.74M	37.841M	41.1M	37.781M	41.04M	38.081M	40.74M	38.021M
5510MHz	Pass	Inf	41.4M	37.841M	41.1M	38.021M	40.68M	37.841M	40.92M	37.961M
5550MHz	Pass	Inf	40.8M	37.901M	40.98M	38.081M	40.74M	37.841M	41.04M	37.961M
5670MHz	Pass	Inf	40.74M	37.781M	40.92M	38.141M	40.92M	37.901M	40.68M	37.961M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.175M	33.723M	35.63M	33.933M	35.21M	33.513M	35.525M	33.793M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.02M	4.138M	4.08M	4.198M	4.08M	4.238M	4.06M	4.178M
5755MHz	Pass	500k	35.64M	38.081M	36.96M	38.501M	37.74M	38.621M	37.8M	38.801M
5795MHz	Pass	500k	35.04M	38.741M	35.04M	38.621M	34.02M	38.921M	37.26M	38.861M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.08M	77.121M	81.84M	76.522M	81.96M	77.241M	81.72M	77.121M
5290MHz	Pass	Inf	81.6M	77.361M	81.36M	76.522M	81.96M	77.361M	81.72M	77.361M
5530MHz	Pass	Inf	81.96M	77.241M	82.56M	77.601M	81.36M	77.241M	82.44M	77.361M
5610MHz	Pass	Inf	82.08M	77.481M	82.56M	77.721M	82.08M	77.241M	82.08M	77.601M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.9M	73.088M	76.35M	73.538M	75.75M	72.789M	76.125M	73.238M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.92M	4.218M	4.06M	4.258M	4.16M	4.418M	4.06M	4.238M
5775MHz	Pass	500k	74.52M	77.001M	73.92M	77.481M	73.08M	77.241M	77.76M	77.721M

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

802.11a_Nss1,(6Mbps)_4TX EBW

5180MHz

02/08/2022

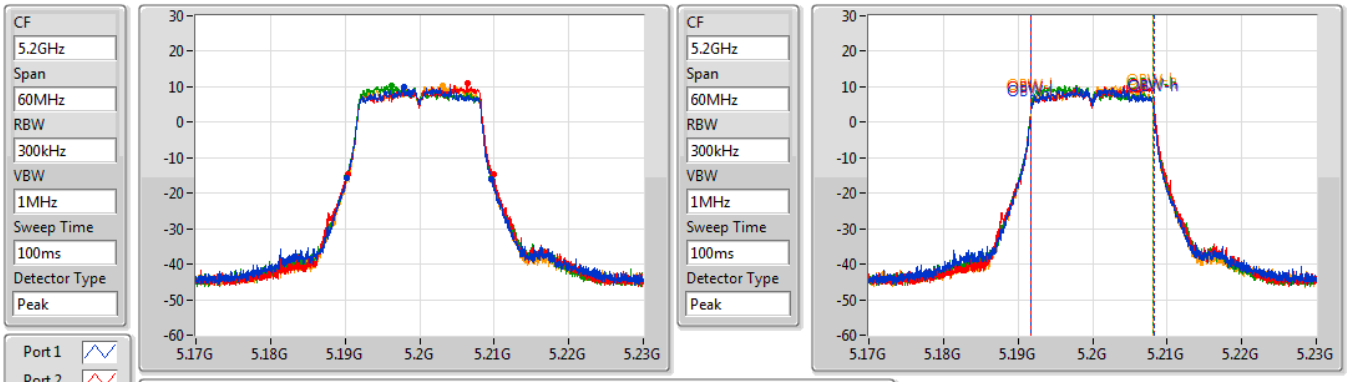


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.41M	5.17019G	5.1896G	16.462M	5.171754G	5.188216G	Inf	1
18.75M	5.17058G	5.18933G	16.342M	5.171814G	5.188156G	Inf	2
19.08M	5.17052G	5.1896G	16.372M	5.171844G	5.188216G	Inf	3
19.29M	5.17022G	5.18951G	16.402M	5.171784G	5.188186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5200MHz

02/08/2022

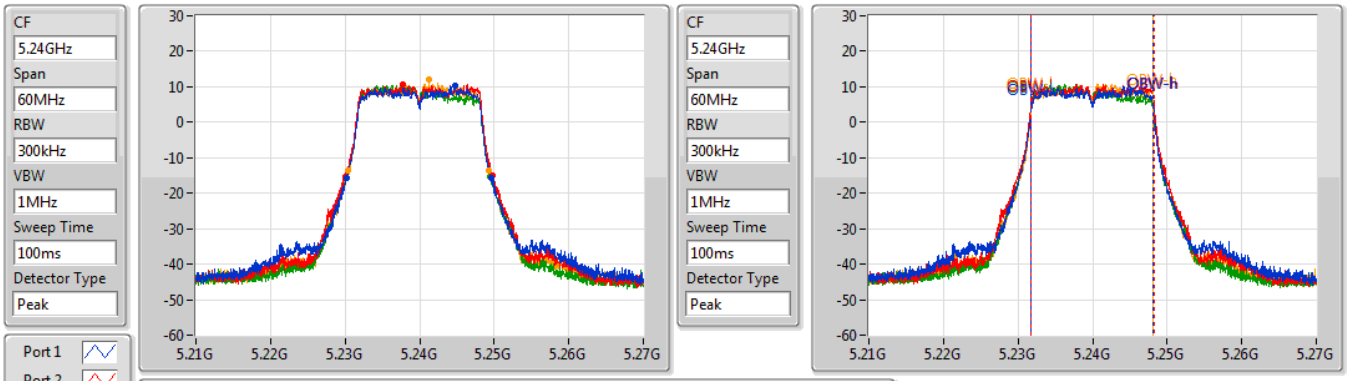


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.41M	5.19019G	5.2096G	16.462M	5.191754G	5.208216G	Inf	1
19.53M	5.19034G	5.20987G	16.522M	5.191784G	5.208306G	Inf	2
19.41M	5.19025G	5.20966G	16.462M	5.191724G	5.208186G	Inf	3
19.32M	5.19025G	5.20957G	16.402M	5.191784G	5.208186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5240MHz

02/08/2022

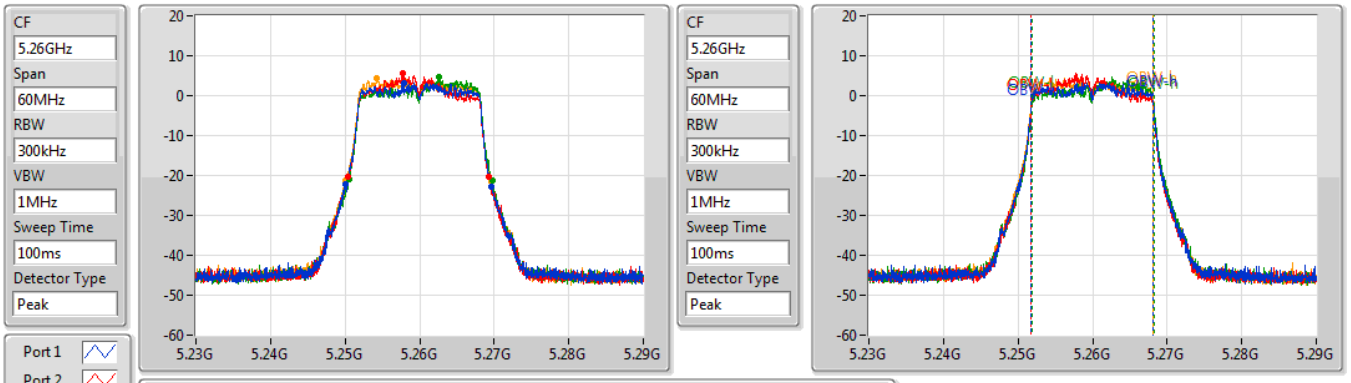


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.47M	5.23016G	5.24963G	16.432M	5.231754G	5.248186G	Inf	1
19.83M	5.22998G	5.24981G	16.612M	5.231664G	5.248276G	Inf	2
19.44M	5.23001G	5.24945G	16.432M	5.231724G	5.248156G	Inf	3
18.9M	5.2304G	5.2493G	16.402M	5.231784G	5.248186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5260MHz

02/08/2022

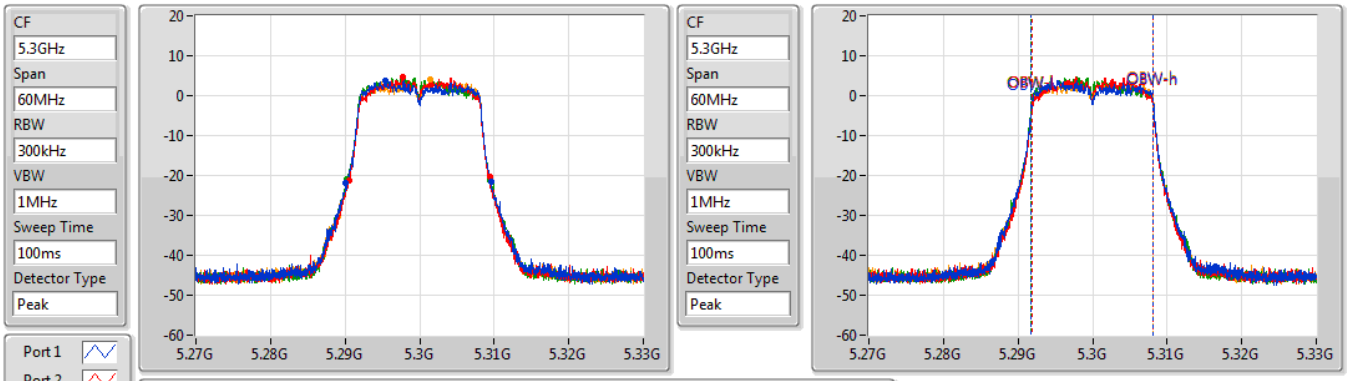


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.25004G	5.26969G	16.462M	5.251724G	5.268186G	Inf	1
18.87M	5.2504G	5.26927G	16.342M	5.251784G	5.268126G	Inf	2
19.23M	5.25049G	5.26972G	16.432M	5.251814G	5.268246G	Inf	3
19.47M	5.2501G	5.26957G	16.462M	5.251724G	5.268186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5300MHz

02/08/2022

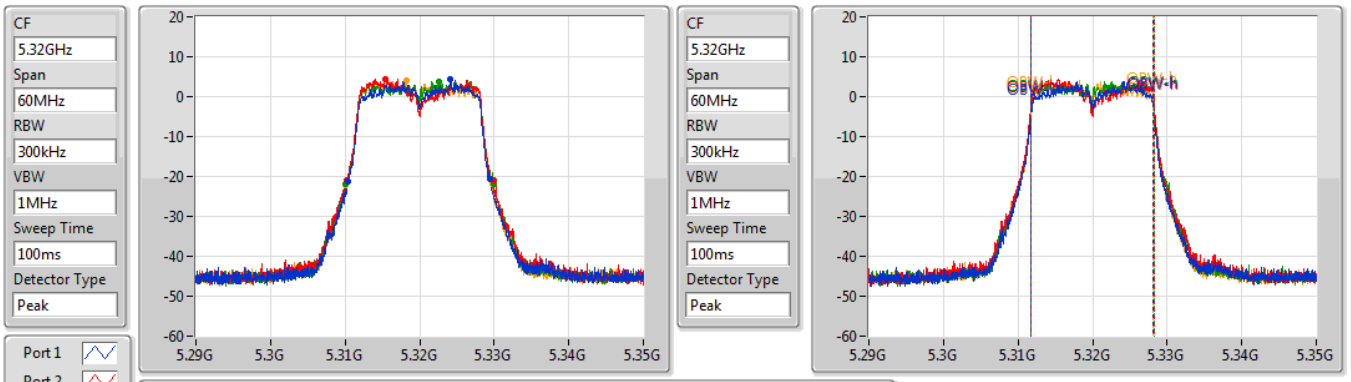


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.41M	5.29013G	5.30954G	16.402M	5.291784G	5.308186G	Inf	1
18.99M	5.29052G	5.30951G	16.222M	5.291904G	5.308126G	Inf	2
19.17M	5.29028G	5.30945G	16.372M	5.291784G	5.308156G	Inf	3
19.29M	5.29028G	5.30957G	16.402M	5.291784G	5.308186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5320MHz

02/08/2022

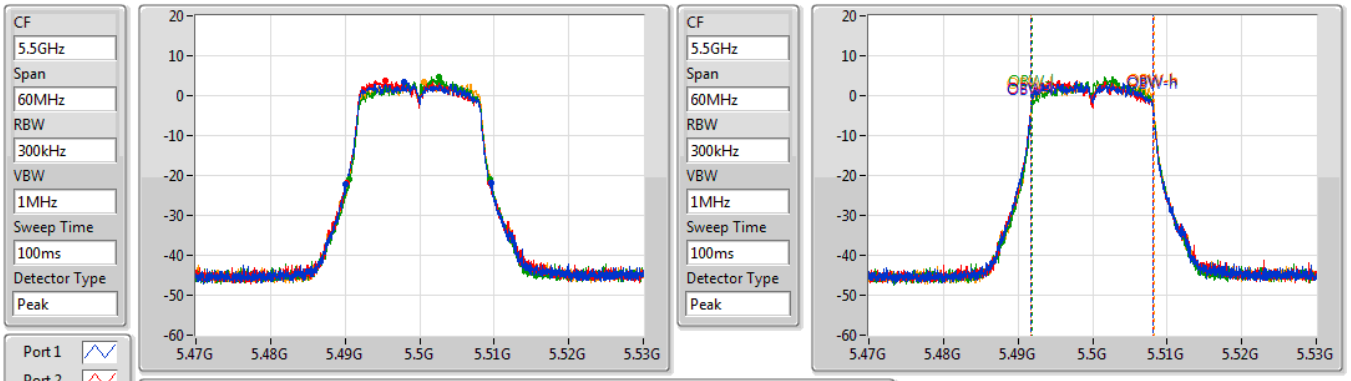


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.17M	5.31031G	5.32948G	16.402M	5.311784G	5.328186G	Inf	1
19.77M	5.31019G	5.32996G	16.582M	5.311694G	5.328276G	Inf	2
19.77M	5.31013G	5.3299G	16.552M	5.311724G	5.328276G	Inf	3
19.71M	5.31004G	5.32975G	16.432M	5.311754G	5.328186G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5500MHz

02/08/2022

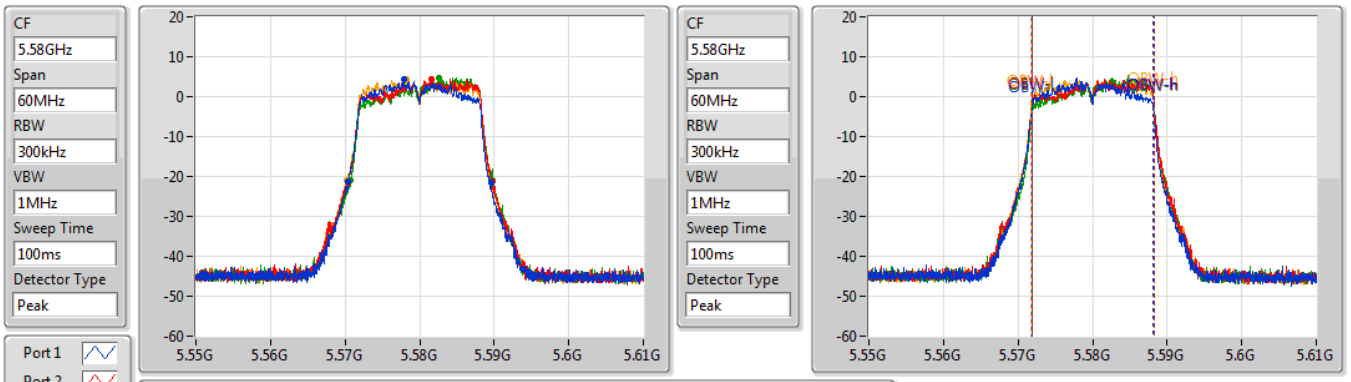


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.56M	5.49013G	5.50969G	16.402M	5.491724G	5.508126G	Inf	1
19.14M	5.49025G	5.50939G	16.402M	5.491694G	5.508096G	Inf	2
18.81M	5.49058G	5.50939G	16.282M	5.491874G	5.508156G	Inf	3
19.35M	5.49022G	5.50957G	16.432M	5.491784G	5.508216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5580MHz

02/08/2022

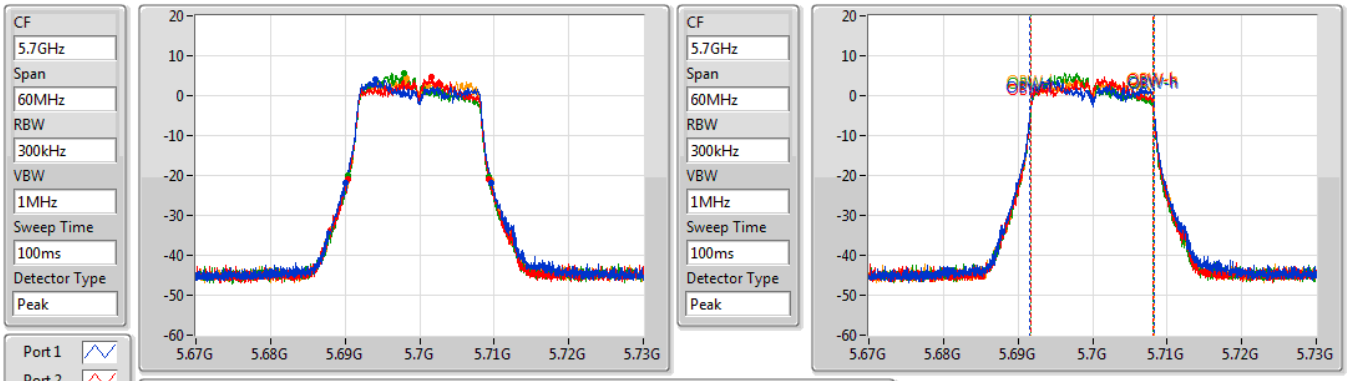


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.2M	5.5704G	5.5896G	16.342M	5.571814G	5.588156G	Inf	1
19.35M	5.57037G	5.58972G	16.492M	5.571814G	5.588306G	Inf	2
19.11M	5.5707G	5.58981G	16.372M	5.571934G	5.588306G	Inf	3
19.32M	5.57025G	5.58957G	16.432M	5.571784G	5.588216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5700MHz

02/08/2022

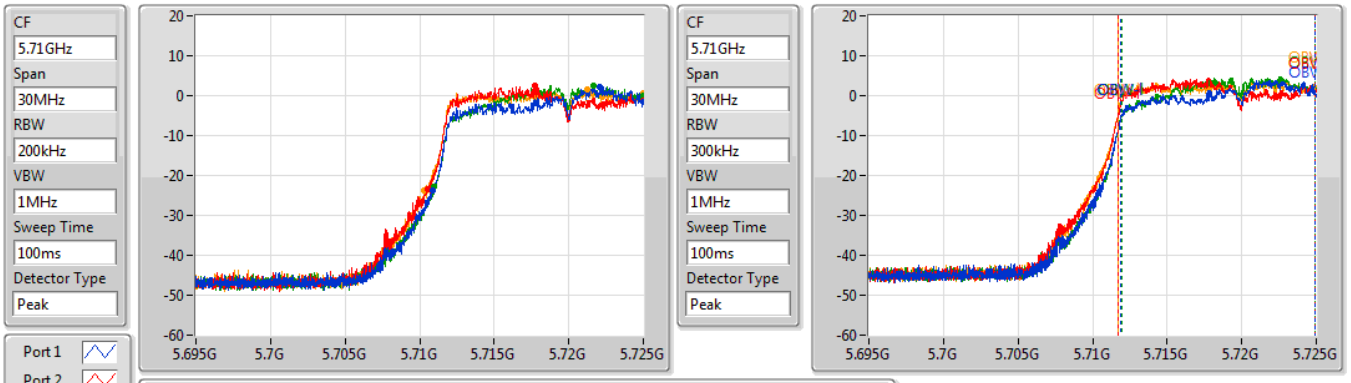


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.65M	5.69001G	5.70966G	16.612M	5.691634G	5.708246G	Inf	1
18.99M	5.69034G	5.70933G	16.432M	5.691724G	5.708156G	Inf	2
18.78M	5.69046G	5.70924G	16.282M	5.691784G	5.708066G	Inf	3
19.38M	5.69022G	5.7096G	16.432M	5.691784G	5.708216G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

02/08/2022

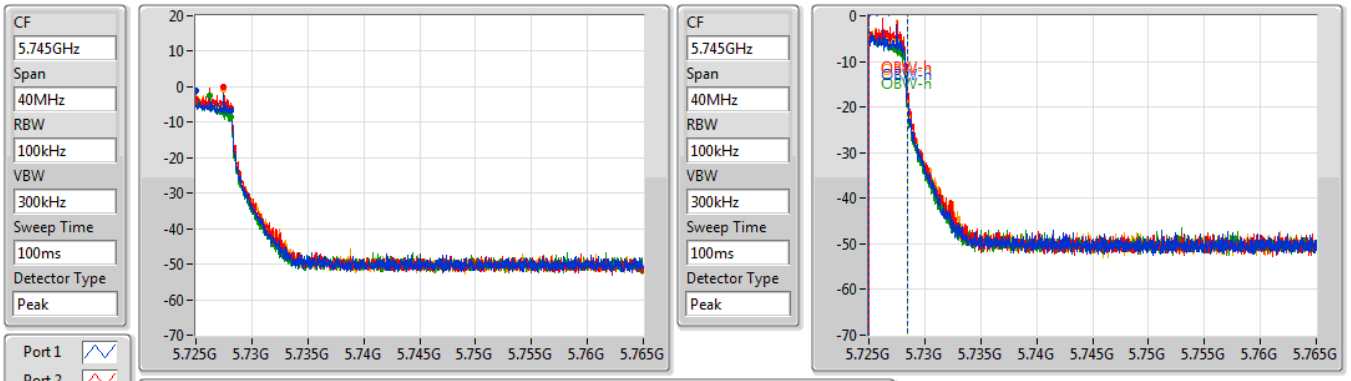


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.115M	5.710885G	5.725G	13.043M	5.711889G	5.724933G	Inf	1
14.445M	5.710555G	5.725G	13.238M	5.711694G	5.724933G	Inf	2
14.04M	5.71096G	5.725G	12.954M	5.711979G	5.724933G	Inf	3
14.67M	5.71033G	5.725G	13.238M	5.711709G	5.724948G	Inf	4

802.11a_Nss1,(6Mbps)_4TX EBW

5720MHz Straddle 5.725-5.85GHz

02/08/2022

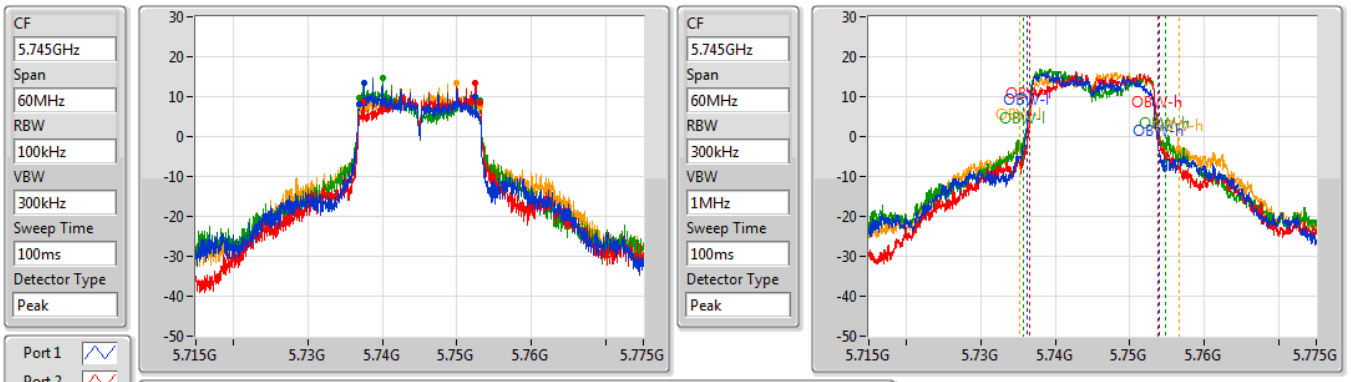


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.14M	5.725G	5.72814G	3.458M	5.72501G	5.728468G	500k	1
3.16M	5.725G	5.72816G	3.478M	5.72501G	5.728488G	500k	2
3.14M	5.725G	5.72814G	3.418M	5.72501G	5.728428G	500k	3
3.16M	5.725G	5.72816G	3.458M	5.72501G	5.728468G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5745MHz

02/08/2022

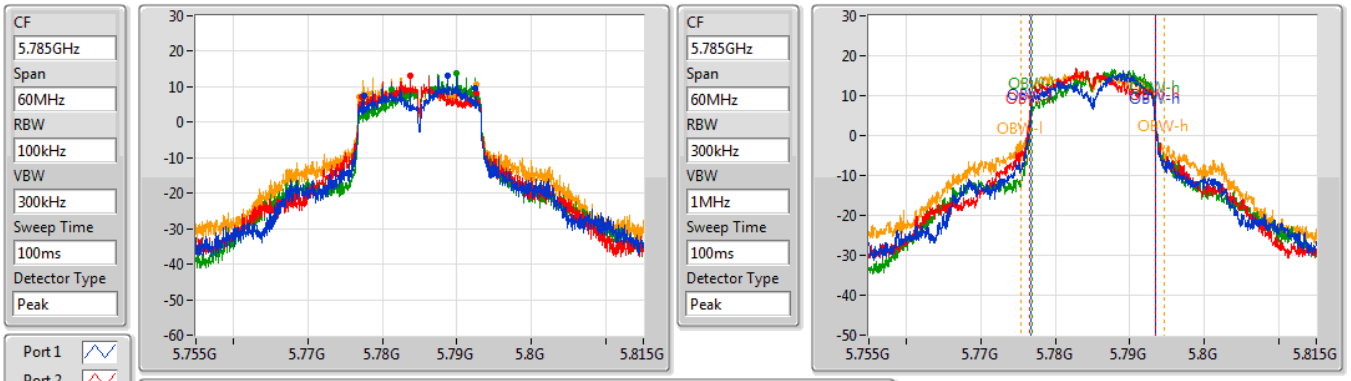


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.66M	5.73684G	5.7525G	17.691M	5.736274G	5.753966G	500k	1
15.69M	5.73747G	5.75316G	17.151M	5.736574G	5.753726G	500k	2
16.29M	5.73684G	5.75313G	19.16M	5.735645G	5.754805G	500k	3
16.29M	5.73687G	5.75316G	21.439M	5.735255G	5.756694G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5785MHz

02/08/2022

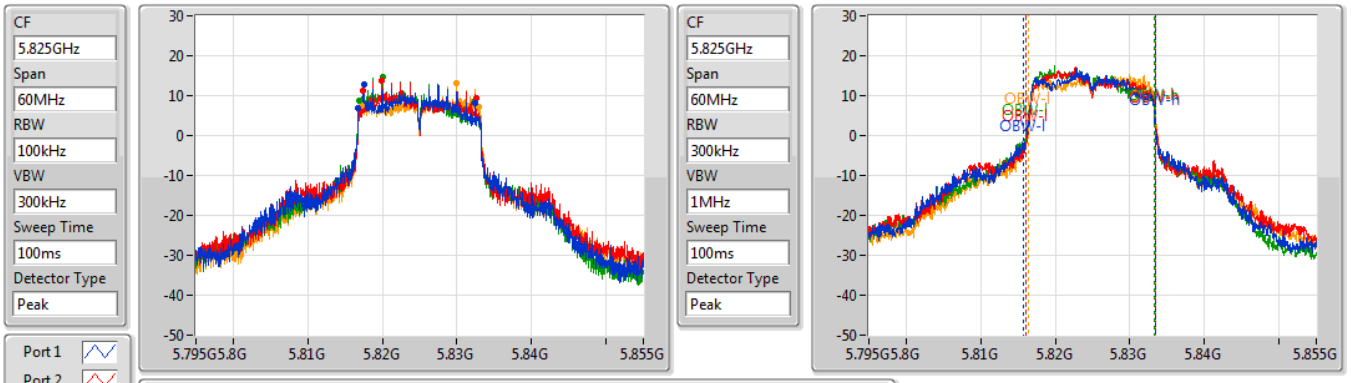


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	5.7775G	5.7925G	16.762M	5.776664G	5.793426G	500k	1
15.3M	5.77726G	5.79256G	16.912M	5.776514G	5.793426G	500k	2
11.4M	5.78125G	5.79265G	16.432M	5.776964G	5.793396G	500k	3
15.69M	5.77684G	5.79253G	19.25M	5.775315G	5.794565G	500k	4

802.11a_Nss1,(6Mbps)_4TX EBW

5825MHz

02/08/2022

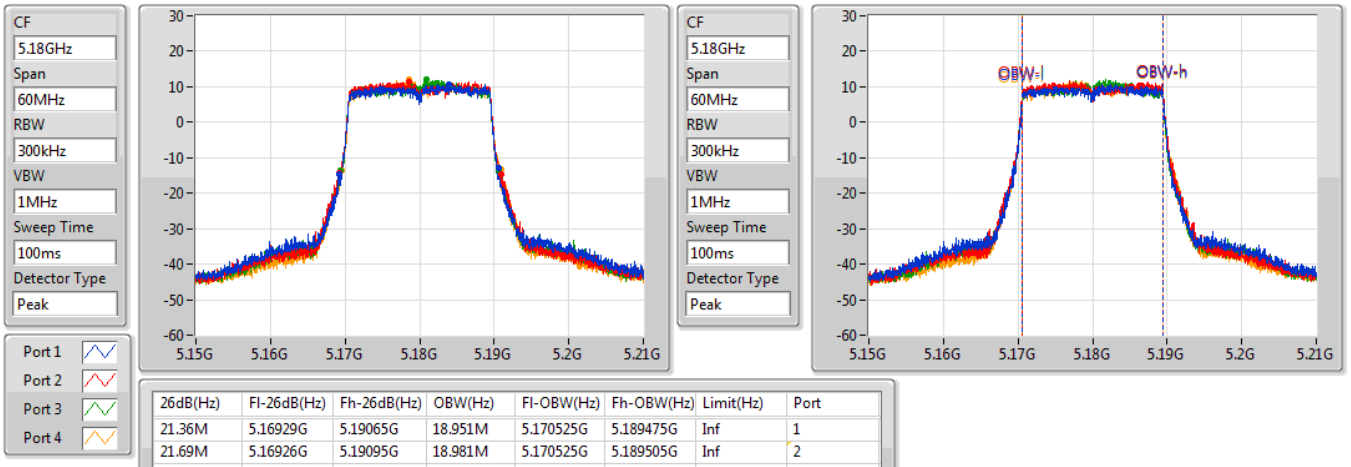


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.66M	5.81681G	5.83247G	17.721M	5.815705G	5.833426G	500k	1
15.06M	5.81747G	5.83253G	17.481M	5.816004G	5.833486G	500k	2
15.6M	5.81687G	5.83247G	17.181M	5.816124G	5.833306G	500k	3
15.63M	5.81723G	5.83286G	17.061M	5.816454G	5.833516G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5180MHz

02/08/2022

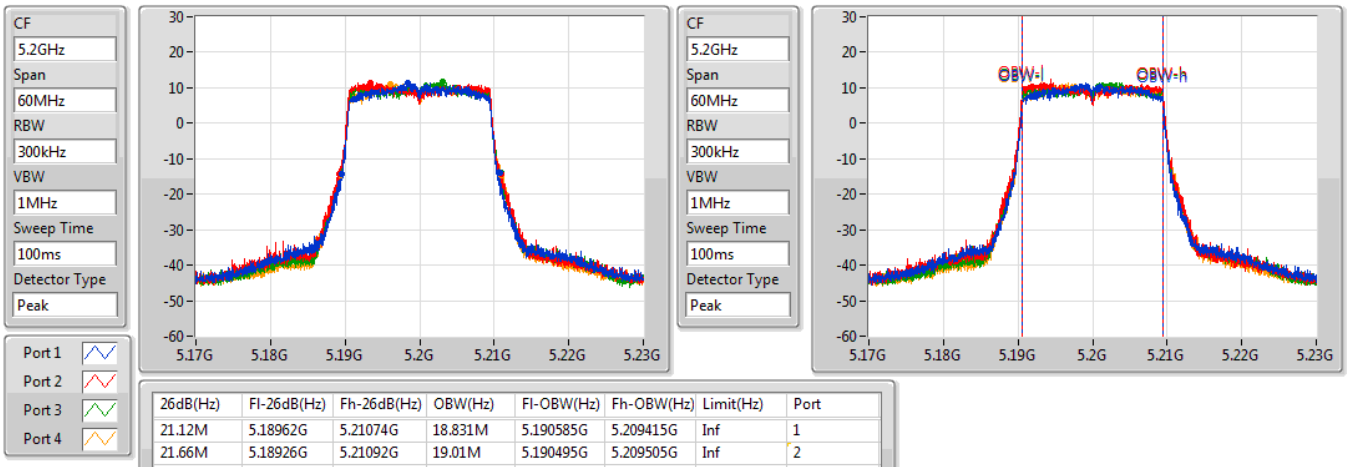


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.36M	5.16929G	5.19065G	18.951M	5.170525G	5.189475G	Inf	1
21.69M	5.16926G	5.19095G	18.981M	5.170525G	5.189505G	Inf	2
21.18M	5.16938G	5.19056G	18.921M	5.170525G	5.189445G	Inf	3
21.36M	5.16953G	5.19089G	18.921M	5.170555G	5.189475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5200MHz

02/08/2022

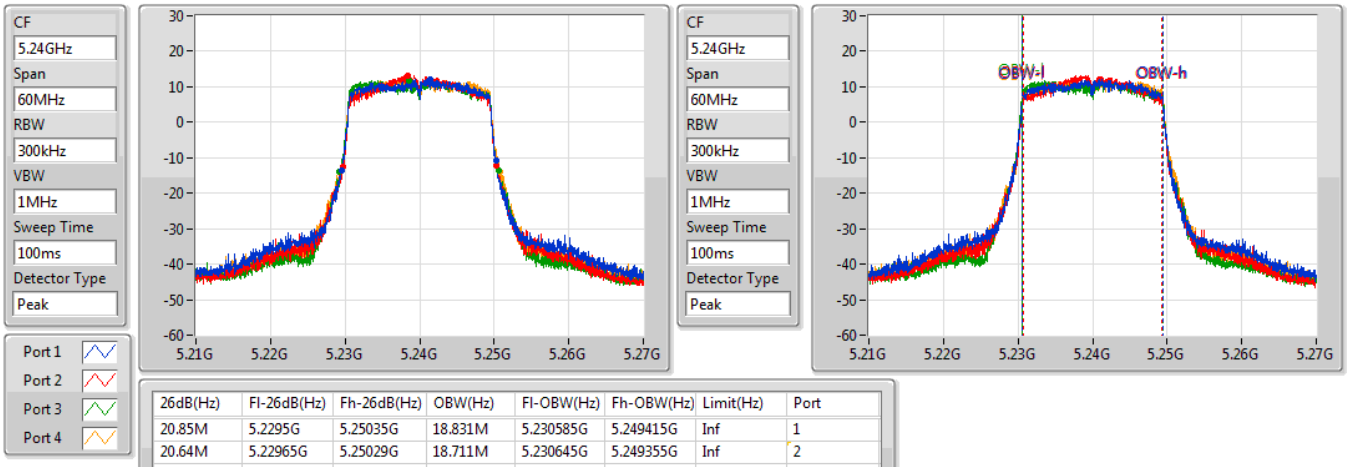


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.12M	5.18962G	5.21074G	18.831M	5.190585G	5.209415G	Inf	1
21.66M	5.18926G	5.21092G	19.01M	5.190495G	5.209505G	Inf	2
21.63M	5.18932G	5.21095G	18.951M	5.190525G	5.209475G	Inf	3
21.48M	5.18944G	5.21092G	18.921M	5.190555G	5.209475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5240MHz

02/08/2022

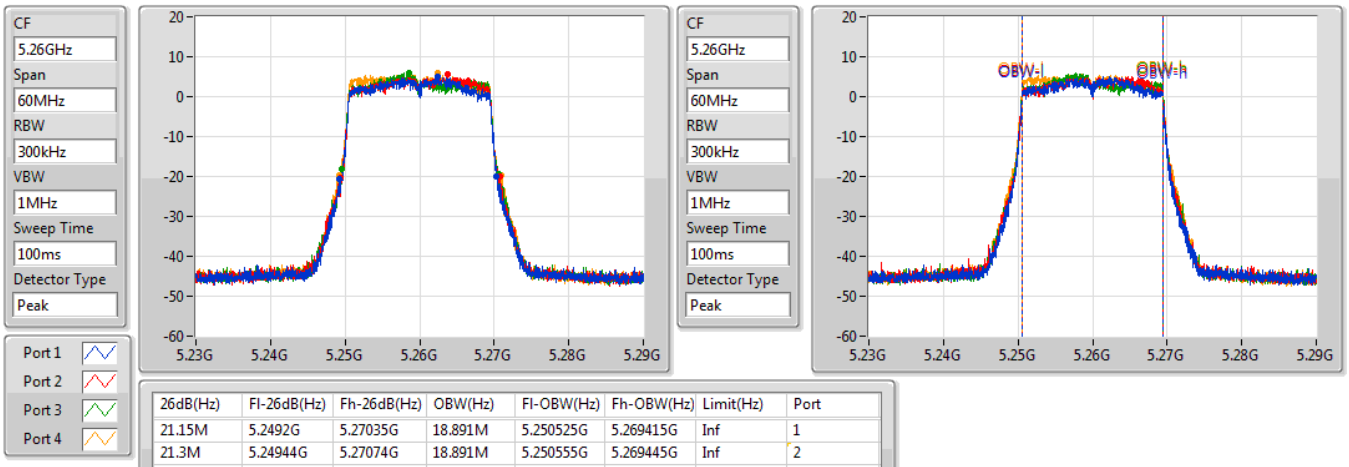


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.85M	5.2295G	5.25035G	18.831M	5.230585G	5.249415G	Inf	1
20.64M	5.22965G	5.25029G	18.711M	5.230645G	5.249355G	Inf	2
21.36M	5.22917G	5.25053G	18.891M	5.230525G	5.249415G	Inf	3
21.66M	5.22917G	5.25083G	18.891M	5.230555G	5.249445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5260MHz

02/08/2022

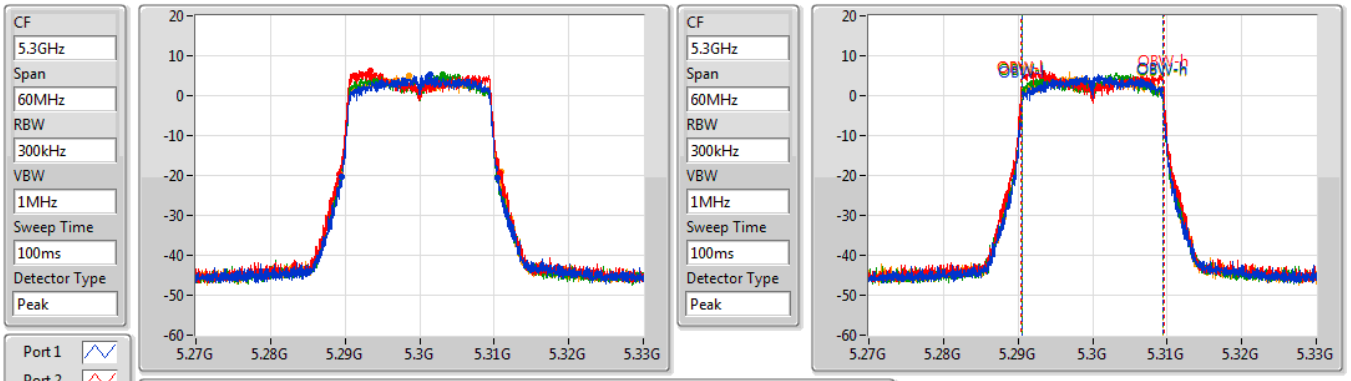


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.15M	5.2492G	5.27035G	18.891M	5.250525G	5.269415G	Inf	1
21.3M	5.24944G	5.27074G	18.891M	5.250555G	5.269445G	Inf	2
21M	5.24956G	5.27056G	18.951M	5.250525G	5.269475G	Inf	3
21.69M	5.24926G	5.27095G	18.951M	5.250495G	5.269445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5300MHz

02/08/2022

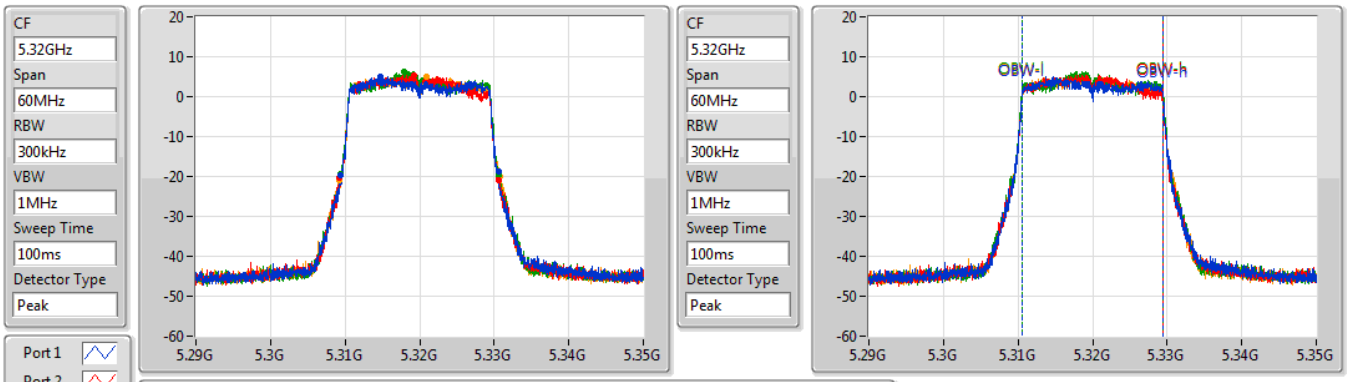


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.94M	5.28953G	5.31047G	18.831M	5.290585G	5.309415G	Inf	1
21.63M	5.2892G	5.31083G	19.1M	5.290435G	5.309535G	Inf	2
21.12M	5.28935G	5.31047G	18.891M	5.290525G	5.309415G	Inf	3
21.54M	5.28944G	5.31098G	18.891M	5.290555G	5.309445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5320MHz

02/08/2022

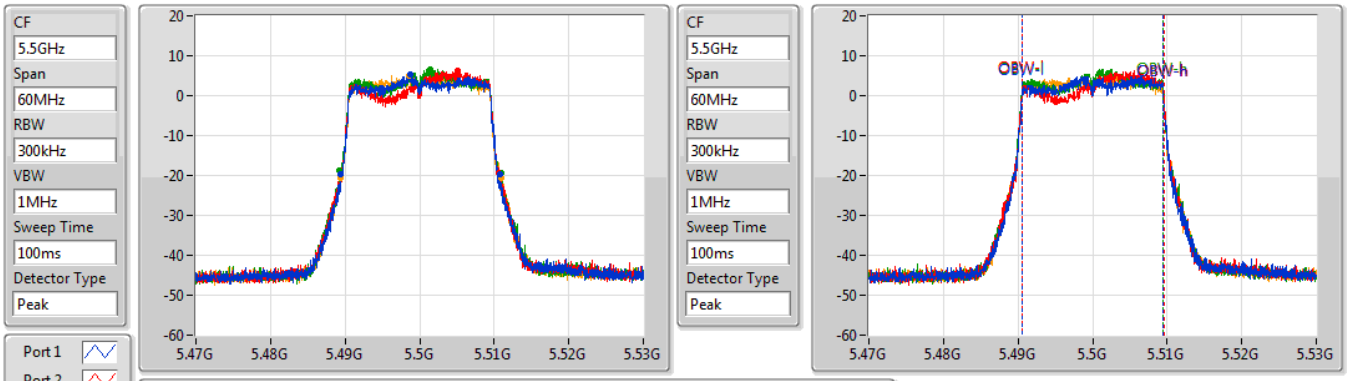


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.21M	5.30935G	5.33056G	18.951M	5.310525G	5.329475G	Inf	1
21.3M	5.30929G	5.33059G	18.861M	5.310555G	5.329415G	Inf	2
21.15M	5.30947G	5.33062G	18.951M	5.310525G	5.329475G	Inf	3
21.66M	5.30917G	5.33083G	18.921M	5.310525G	5.329445G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5500MHz

02/08/2022

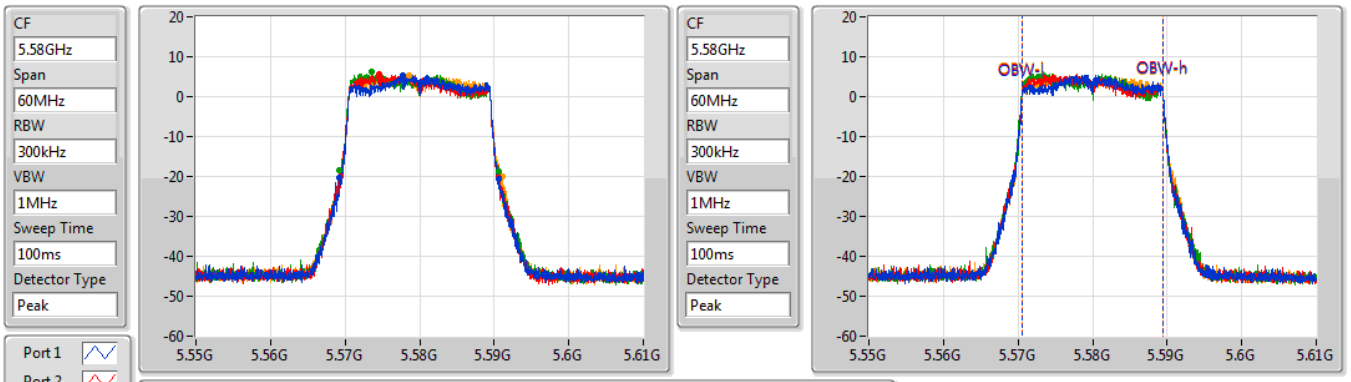


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.51M	5.48935G	5.51086G	18.951M	5.490555G	5.509505G	Inf	1
21.33M	5.48935G	5.51068G	19.01M	5.490525G	5.509535G	Inf	2
21.75M	5.4892G	5.51095G	19.01M	5.490495G	5.509505G	Inf	3
21.63M	5.48932G	5.51095G	18.921M	5.490555G	5.509475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5580MHz

02/08/2022

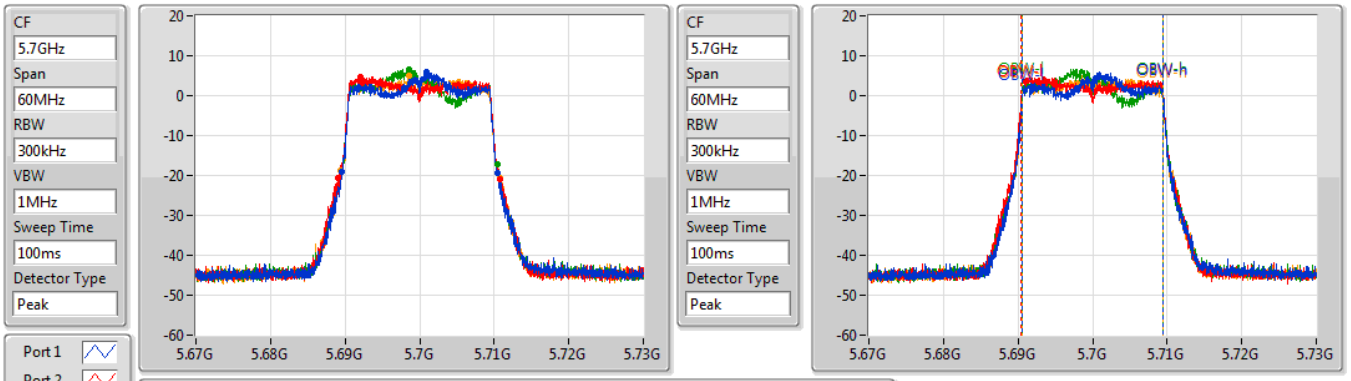


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	5.56929G	5.59053G	18.951M	5.570525G	5.589475G	Inf	1
21.24M	5.56935G	5.59059G	18.921M	5.570525G	5.589445G	Inf	2
21.3M	5.56926G	5.59056G	18.951M	5.570495G	5.589445G	Inf	3
21.81M	5.56926G	5.59107G	18.951M	5.570525G	5.589475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5700MHz

02/08/2022

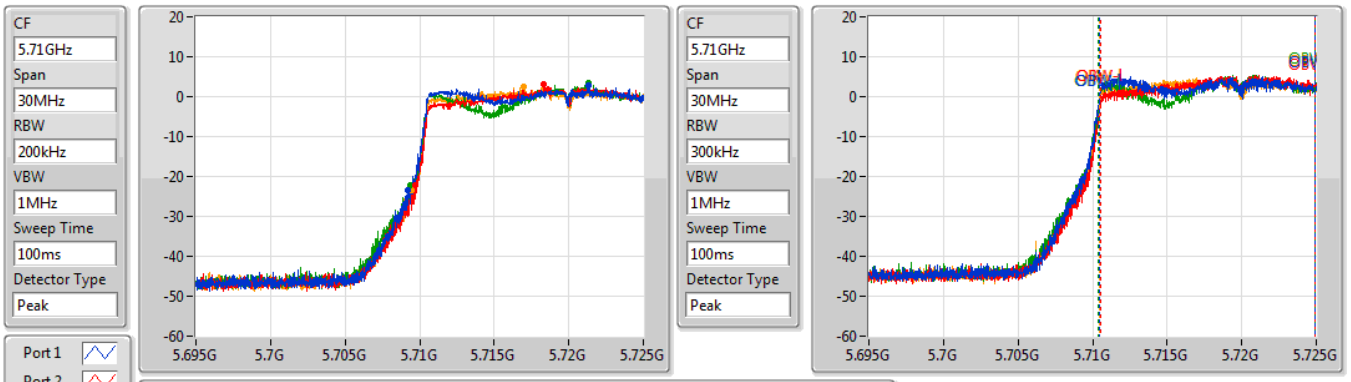


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.82M	5.68956G	5.71038G	18.951M	5.690525G	5.709475G	Inf	1
21.81M	5.68905G	5.71086G	19.04M	5.690465G	5.709505G	Inf	2
20.97M	5.6895G	5.71047G	18.951M	5.690525G	5.709475G	Inf	3
21.33M	5.68944G	5.71077G	18.951M	5.690525G	5.709475G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5720MHz Straddle 5.47-5.725GHz

02/08/2022



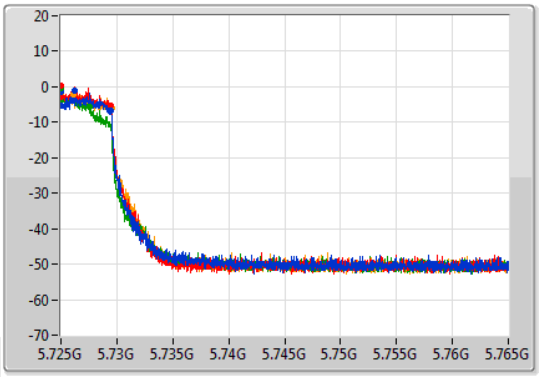
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.78M	5.70922G	5.725G	14.498M	5.71042G	5.724918G	Inf	1
15.255M	5.709745G	5.725G	14.363M	5.710555G	5.724918G	Inf	2
15.63M	5.70937G	5.725G	14.528M	5.710405G	5.724933G	Inf	3
15.51M	5.70949G	5.725G	14.438M	5.71048G	5.724918G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

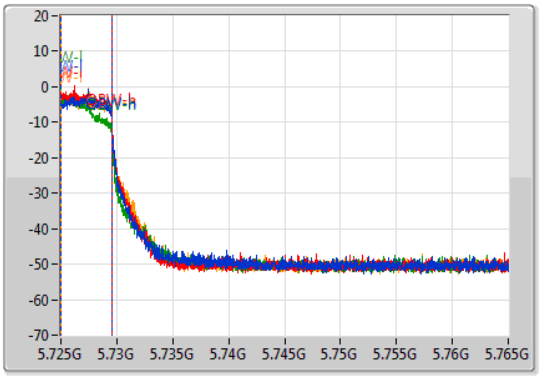
5720MHz Straddle 5.725-5.85GHz

02/08/2022

CF	5.745GHz
Span	40MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.745GHz
Span	40MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



Port 1
Port 2
Port 3
Port 4

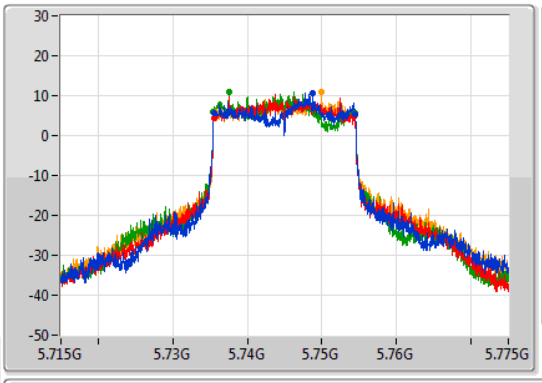
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.44M	5.725G	5.72944G	4.578M	5.72501G	5.729588G	500k	1
4.44M	5.725G	5.72944G	4.558M	5.72503G	5.729588G	500k	2
2.58M	5.725G	5.72758G	4.518M	5.72501G	5.729528G	500k	3
4.52M	5.725G	5.72952G	4.578M	5.72503G	5.729608G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

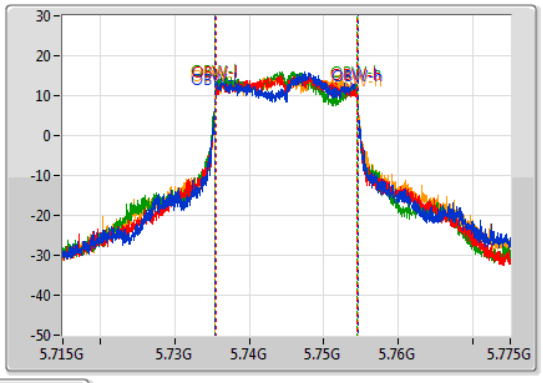
5745MHz

09/08/2022

CF	5.745GHz
Span	60MHz
RBW	100kHz
VBW	300kHz
Sweep Time	100ms
Detector Type	Peak



CF	5.745GHz
Span	60MHz
RBW	300kHz
VBW	1MHz
Sweep Time	100ms
Detector Type	Peak



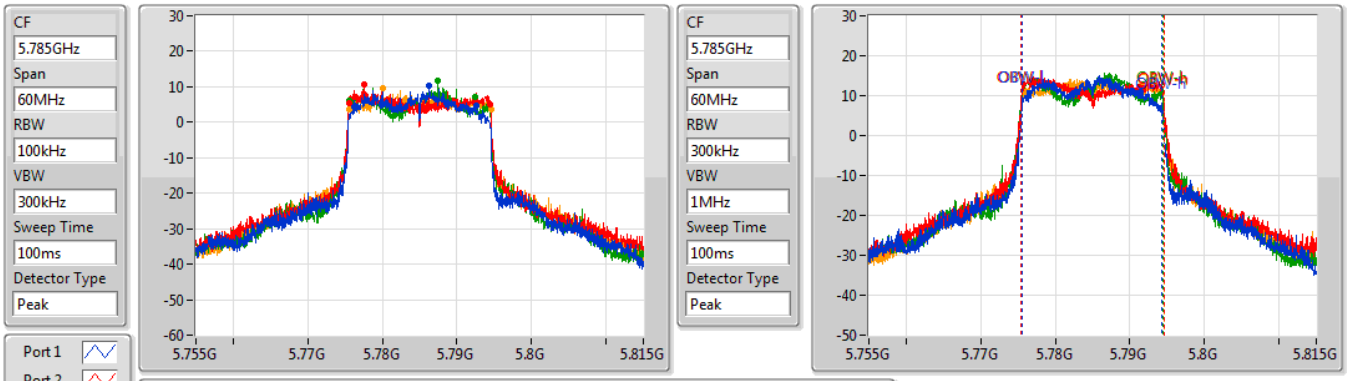
Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.99M	5.73549G	5.75448G	19.13M	5.735435G	5.754565G	500k	1
18.78M	5.73552G	5.7543G	18.981M	5.735495G	5.754475G	500k	2
19.02M	5.73546G	5.75448G	19.1M	5.735405G	5.754505G	500k	3
18.6M	5.73579G	5.75439G	19.1M	5.735465G	5.754565G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5785MHz

09/08/2022

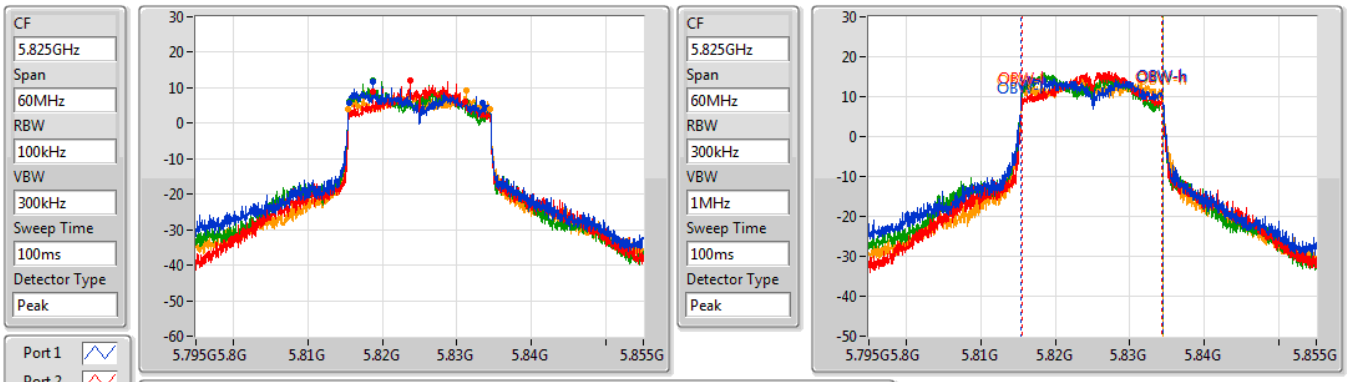


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.77621G	5.79253G	18.771M	5.775555G	5.794325G	500k	1
18.99M	5.77552G	5.79451G	19.19M	5.775405G	5.794595G	500k	2
16.92M	5.77558G	5.7925G	19.07M	5.775405G	5.794475G	500k	3
19.05M	5.77549G	5.79454G	19.07M	5.775465G	5.794535G	500k	4

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

5825MHz

09/08/2022

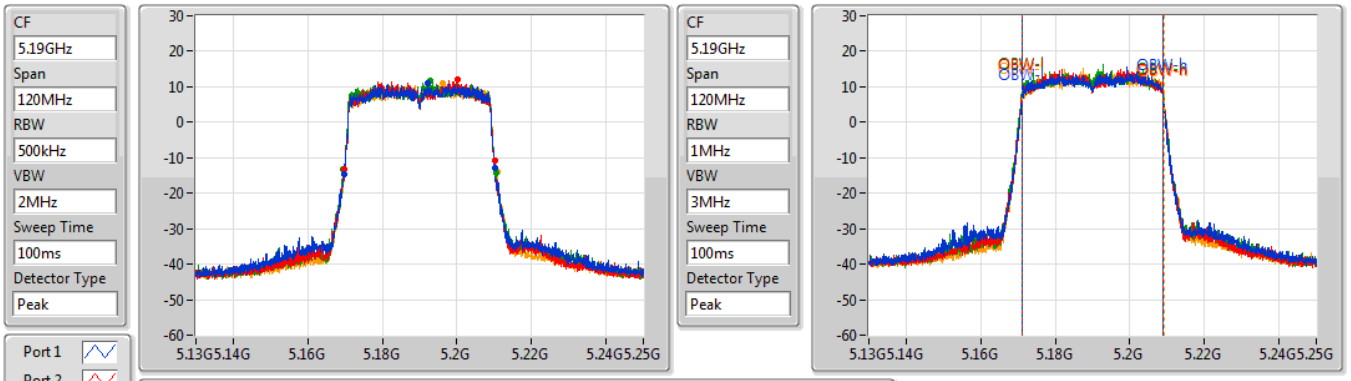


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.03M	5.81549G	5.83352G	19.16M	5.815315G	5.834475G	500k	1
12.39M	5.81873G	5.83112G	18.771M	5.815585G	5.834355G	500k	2
15.66M	5.81555G	5.83121G	19.01M	5.815375G	5.834385G	500k	3
19.05M	5.81546G	5.83451G	19.07M	5.814435G	5.834505G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5190MHz

02/08/2022

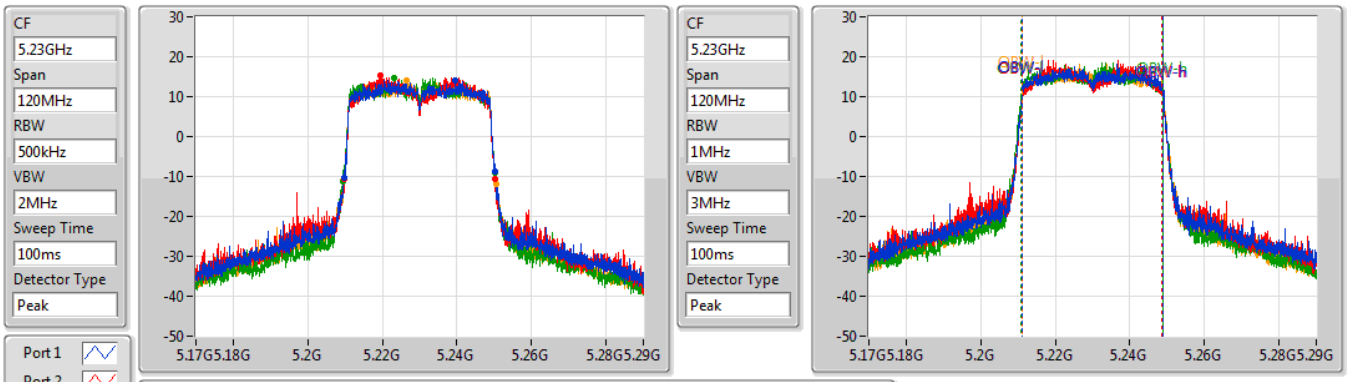


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	5.16972G	5.21028G	37.721M	5.171109G	5.208831G	Inf	1
40.32M	5.1699G	5.21022G	37.661M	5.171169G	5.208831G	Inf	2
40.98M	5.16942G	5.2104G	37.961M	5.17099G	5.208951G	Inf	3
40.92M	5.16984G	5.21076G	37.841M	5.171229G	5.20907G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5230MHz

09/08/2022

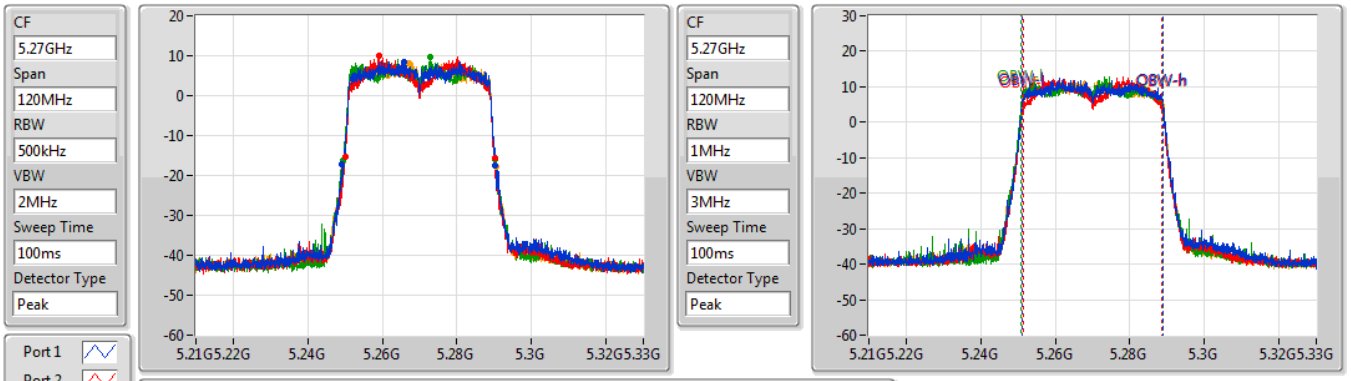


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.68M	5.20966G	5.25034G	37.901M	5.211049G	5.248951G	Inf	1
40.38M	5.20972G	5.2501G	37.481M	5.211229G	5.248711G	Inf	2
40.92M	5.2093G	5.25022G	37.901M	5.21093G	5.248831G	Inf	3
41.04M	5.20954G	5.25058G	37.841M	5.211109G	5.248951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5270MHz

09/08/2022

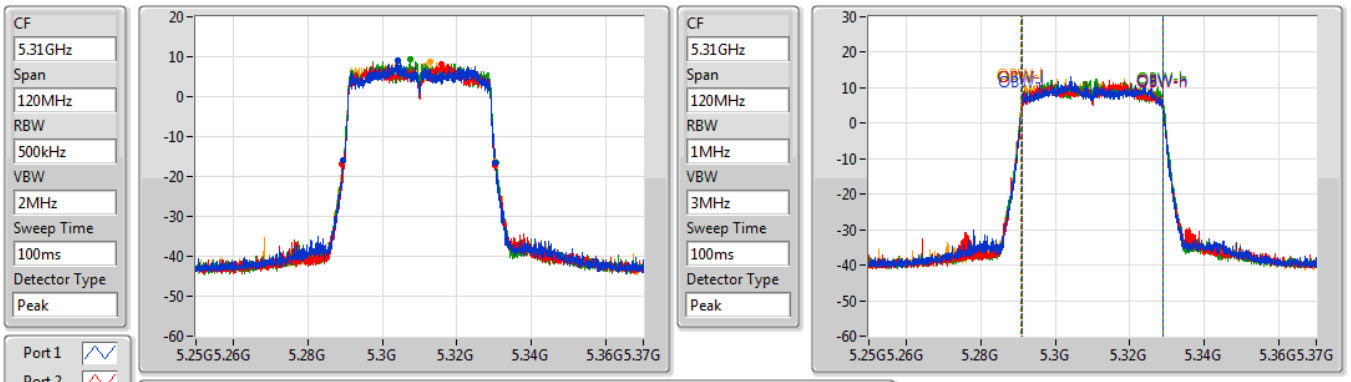


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.1M	5.24924G	5.29034G	37.781M	5.251109G	5.288891G	Inf	1
40.14M	5.24996G	5.2901G	37.361M	5.251289G	5.288651G	Inf	2
40.68M	5.24954G	5.29022G	37.901M	5.25093G	5.288831G	Inf	3
40.86M	5.2496G	5.29046G	37.901M	5.251049G	5.288951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5310MHz

03/08/2022

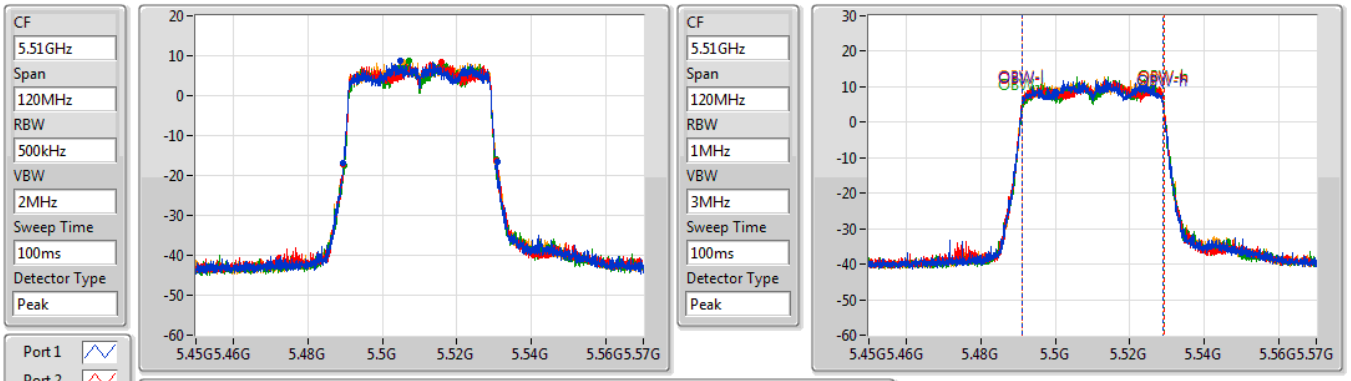


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.28948G	5.33022G	37.841M	5.29099G	5.328831G	Inf	1
41.1M	5.28924G	5.33034G	37.781M	5.291109G	5.328891G	Inf	2
41.04M	5.2896G	5.33064G	38.081M	5.29093G	5.32901G	Inf	3
40.74M	5.28948G	5.33022G	38.021M	5.29093G	5.328951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5510MHz

03/08/2022

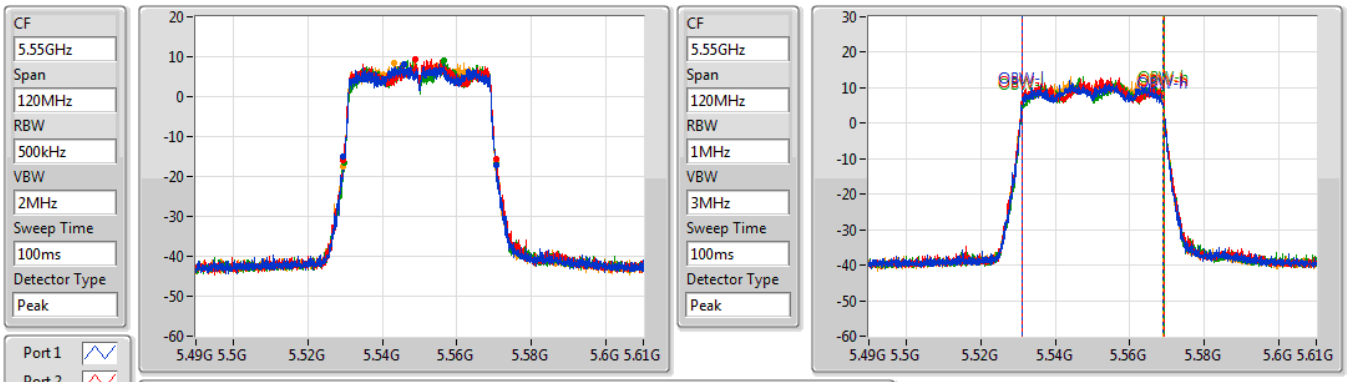


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.4M	5.48936G	5.53076G	37.841M	5.491109G	5.528951G	Inf	1
41.1M	5.48948G	5.53058G	38.021M	5.491049G	5.52907G	Inf	2
40.68M	5.48978G	5.53046G	37.841M	5.491229G	5.52907G	Inf	3
40.92M	5.4896G	5.53052G	37.961M	5.491049G	5.52901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5550MHz

09/08/2022

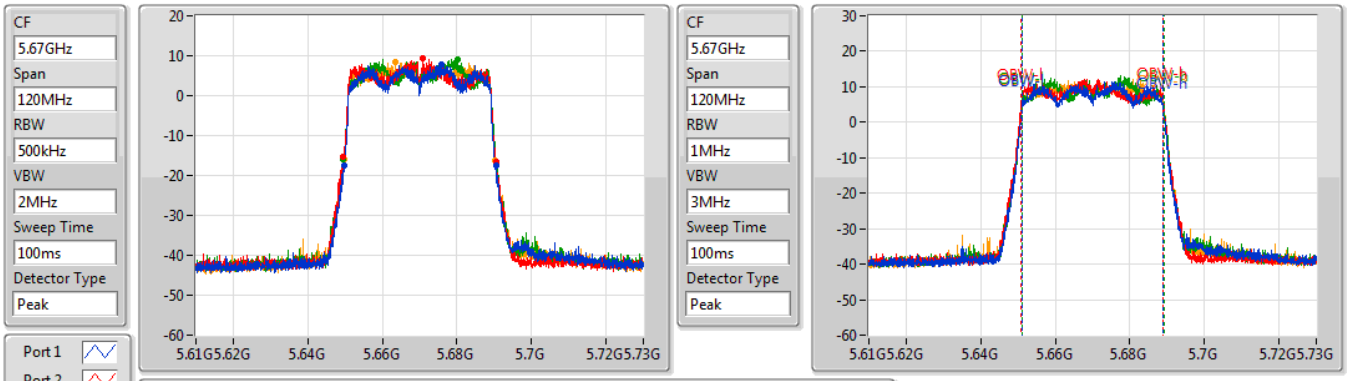


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.5296G	5.5704G	37.901M	5.531049G	5.568951G	Inf	1
40.98M	5.52942G	5.5704G	38.081M	5.53099G	5.56907G	Inf	2
40.74M	5.52978G	5.57052G	37.841M	5.531229G	5.56907G	Inf	3
41.04M	5.52948G	5.57052G	37.961M	5.531049G	5.56901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5670MHz

09/08/2022

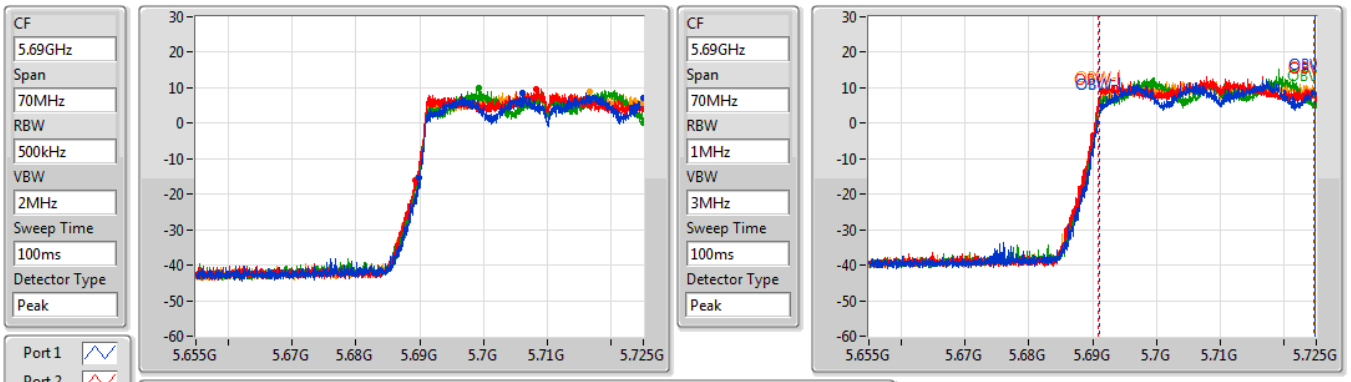


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.64972G	5.69046G	37.781M	5.651109G	5.688891G	Inf	1
40.92M	5.64948G	5.6904G	38.141M	5.65087G	5.68901G	Inf	2
40.92M	5.6496G	5.69052G	37.901M	5.651169G	5.68907G	Inf	3
40.68M	5.64966G	5.69034G	37.961M	5.651049G	5.68901G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.47-5.725GHz

03/08/2022

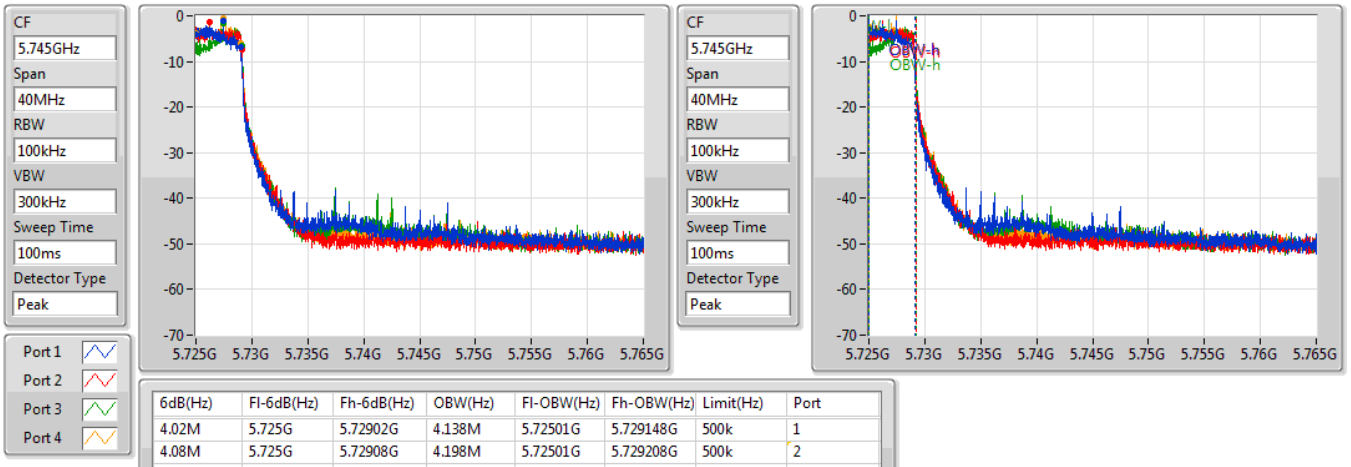


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.175M	5.689825G	5.725G	33.723M	5.691119G	5.724843G	Inf	1
35.63M	5.68937G	5.725G	33.933M	5.69084G	5.724773G	Inf	2
35.21M	5.68979G	5.725G	33.513M	5.691049G	5.724563G	Inf	3
35.525M	5.689475G	5.725G	33.793M	5.691014G	5.724808G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5710MHz Straddle 5.725-5.85GHz

03/08/2022

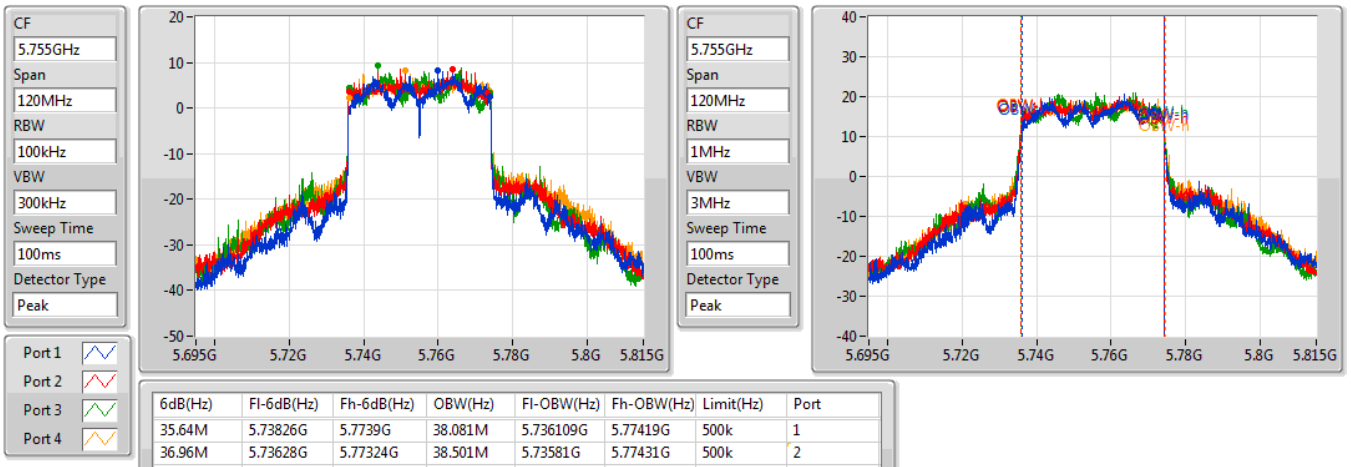


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.02M	5.725G	5.72902G	4.138M	5.72501G	5.729148G	500k	1
4.08M	5.725G	5.72908G	4.198M	5.72501G	5.729208G	500k	2
4.08M	5.725G	5.72908G	4.238M	5.72503G	5.729268G	500k	3
4.06M	5.725G	5.72906G	4.178M	5.72501G	5.729188G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5755MHz

03/08/2022

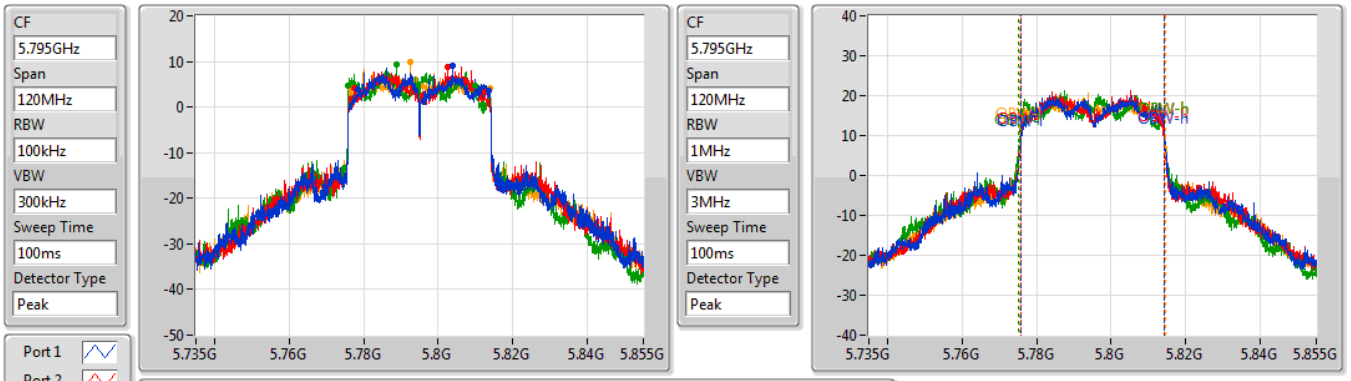


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.64M	5.73826G	5.7739G	38.081M	5.736109G	5.77419G	500k	1
36.96M	5.73628G	5.77324G	38.501M	5.73581G	5.77431G	500k	2
37.74M	5.73604G	5.77378G	38.621M	5.73569G	5.77431G	500k	3
37.8M	5.73622G	5.77402G	38.801M	5.73581G	5.77461G	500k	4

802.11ax HEW40_Nss1,(MCS0)_4TX EBW

5795MHz

03/08/2022

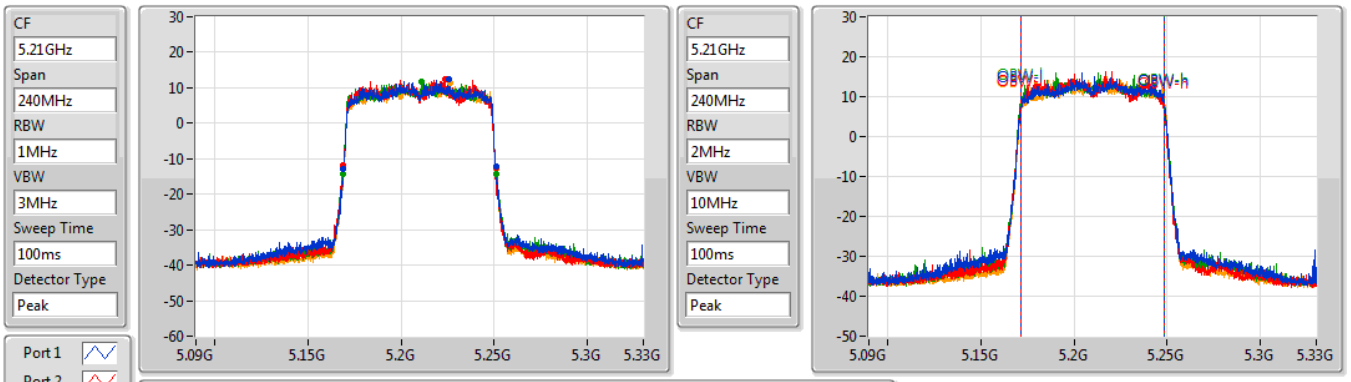


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.04M	5.77862G	5.81366G	38.741M	5.77563G	5.81437G	500k	1
35.04M	5.77742G	5.81246G	38.621M	5.77563G	5.81425G	500k	2
34.02M	5.77592G	5.80994G	38.921M	5.77527G	5.81419G	500k	3
37.26M	5.77652G	5.81378G	38.861M	5.77557G	5.81443G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5210MHz

03/08/2022

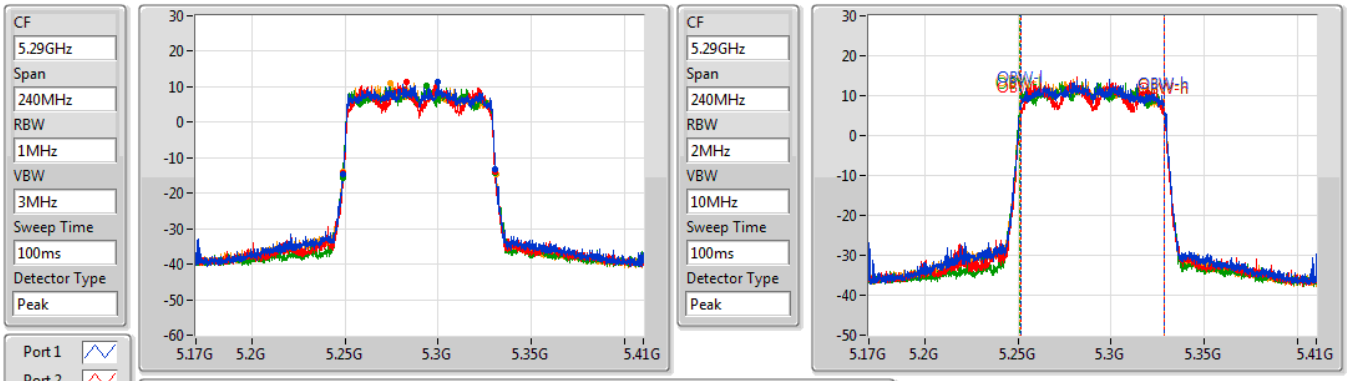


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.16896G	5.25104G	77.121M	5.171499G	5.248621G	Inf	1
81.84M	5.1692G	5.25104G	76.522M	5.171619G	5.248141G	Inf	2
81.96M	5.16884G	5.2508G	77.241M	5.171259G	5.248501G	Inf	3
81.72M	5.1692G	5.25092G	77.121M	5.171619G	5.248741G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5290MHz

03/08/2022

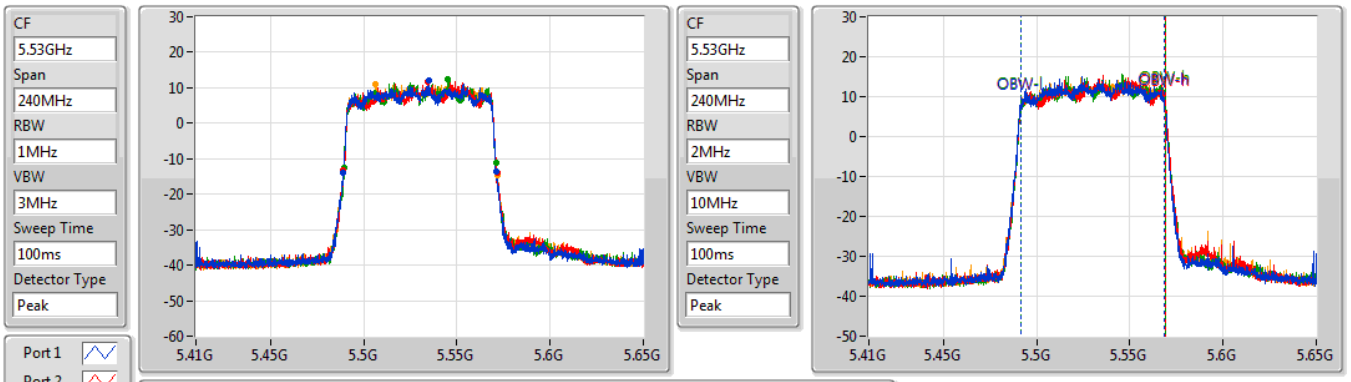


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.6M	5.24908G	5.33068G	77.361M	5.251259G	5.328621G	Inf	1
81.36M	5.2492G	5.33056G	76.522M	5.251619G	5.328141G	Inf	2
81.96M	5.24872G	5.33068G	77.361M	5.251019G	5.328381G	Inf	3
81.72M	5.24908G	5.3308G	77.361M	5.251139G	5.328501G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5530MHz

03/08/2022

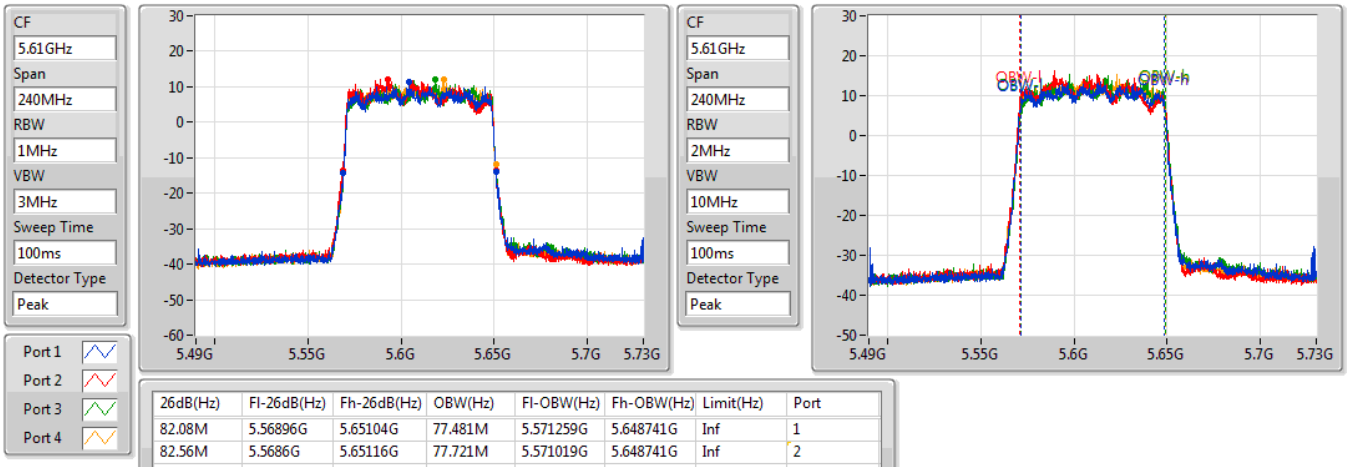


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.96M	5.4892G	5.57116G	77.241M	5.491379G	5.568621G	Inf	1
82.56M	5.48896G	5.57152G	77.601M	5.491499G	5.5691G	Inf	2
81.36M	5.48956G	5.57092G	77.241M	5.491739G	5.568981G	Inf	3
82.44M	5.48908G	5.57152G	77.361M	5.491499G	5.568861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5610MHz

09/08/2022

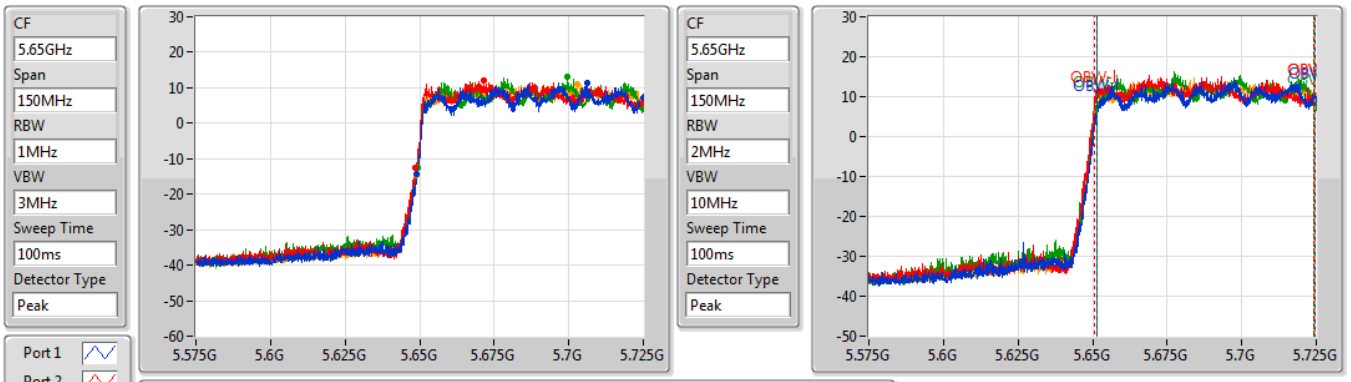


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.56896G	5.65104G	77.481M	5.571259G	5.648741G	Inf	1
82.56M	5.5686G	5.65116G	77.721M	5.571019G	5.648741G	Inf	2
82.08M	5.5692G	5.65128G	77.241M	5.571739G	5.648981G	Inf	3
82.08M	5.56896G	5.65104G	77.601M	5.571259G	5.648861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.47-5.725GHz

09/08/2022

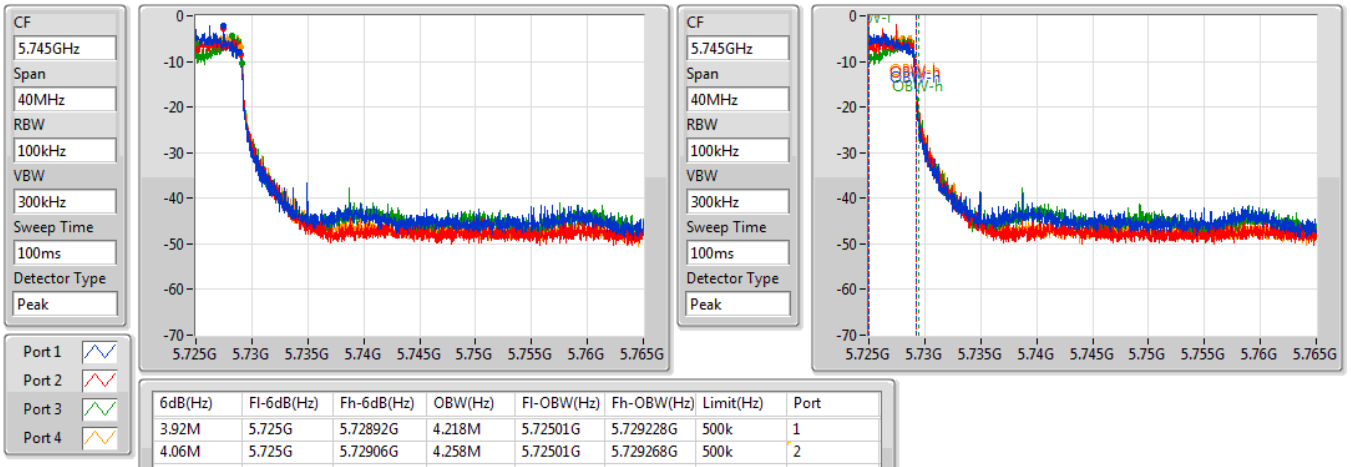


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.9M	5.6491G	5.725G	73.088M	5.651499G	5.724588G	Inf	1
76.35M	5.64865G	5.725G	73.538M	5.650825G	5.724363G	Inf	2
75.75M	5.64925G	5.725G	72.789M	5.651349G	5.724138G	Inf	3
76.125M	5.648875G	5.725G	73.238M	5.651349G	5.724588G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5690MHz Straddle 5.725-5.85GHz

09/08/2022

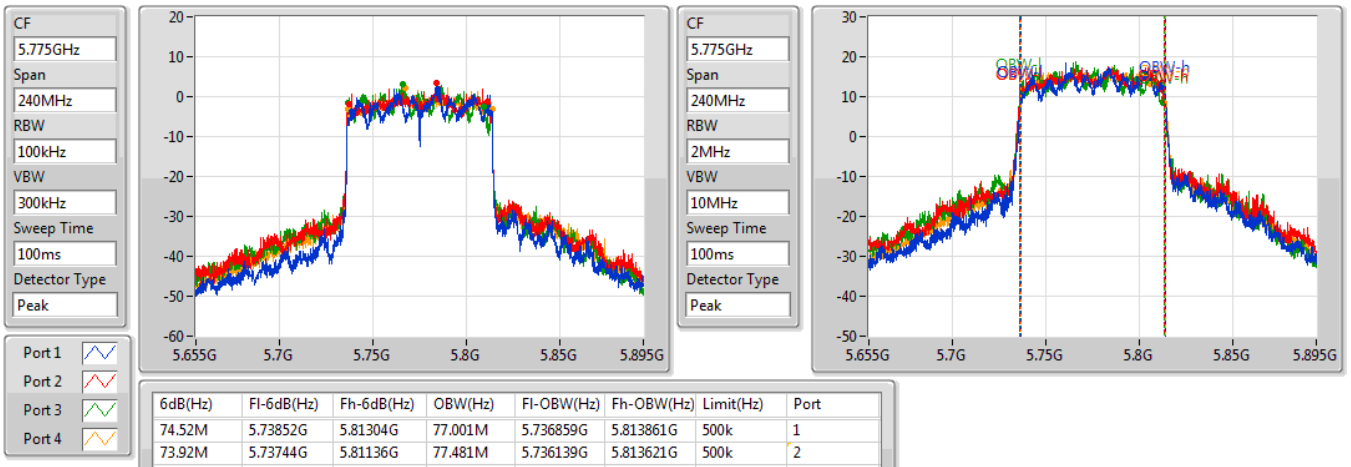


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.92M	5.725G	5.72892G	4.218M	5.72501G	5.729228G	500k	1
4.06M	5.725G	5.72906G	4.258M	5.72501G	5.729268G	500k	2
4.16M	5.725G	5.72916G	4.418M	5.72501G	5.729428G	500k	3
4.06M	5.725G	5.72906G	4.238M	5.72501G	5.729248G	500k	4

802.11ax HEW80_Nss1,(MCS0)_4TX EBW

5775MHz

03/08/2022



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.52M	5.73852G	5.81304G	77.001M	5.736859G	5.813861G	500k	1
73.92M	5.73744G	5.81136G	77.481M	5.736139G	5.813621G	500k	2
73.08M	5.73624G	5.80932G	77.241M	5.736139G	5.813381G	500k	3
77.76M	5.73624G	5.814G	77.721M	5.736379G	5.8141G	500k	4

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.13	0.25882	30.33	1.07895
802.11ax HEW20_Nss1,(MCS0)_4TX	24.59	0.28774	30.79	1.19950
802.11ax HEW40_Nss1,(MCS0)_4TX	27.19	0.52360	33.39	2.18273
802.11ax HEW80_Nss1,(MCS0)_4TX	23.70	0.23442	29.90	0.97724
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	17.90	0.06166	24.10	0.25704
802.11ax HEW20_Nss1,(MCS0)_4TX	18.67	0.07362	24.87	0.30690
802.11ax HEW40_Nss1,(MCS0)_4TX	21.52	0.14191	27.72	0.59156
802.11ax HEW80_Nss1,(MCS0)_4TX	22.36	0.17219	28.56	0.71779
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	17.82	0.06053	24.02	0.25235
802.11ax HEW20_Nss1,(MCS0)_4TX	18.62	0.07278	24.82	0.30339
802.11ax HEW40_Nss1,(MCS0)_4TX	21.48	0.14060	27.68	0.58614
802.11ax HEW80_Nss1,(MCS0)_4TX	23.29	0.21330	29.49	0.88920
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	29.28	0.84723	35.48	3.53183
802.11ax HEW20_Nss1,(MCS0)_4TX	28.16	0.65464	34.36	2.72898
802.11ax HEW40_Nss1,(MCS0)_4TX	29.23	0.83753	35.43	3.49140
802.11ax HEW80_Nss1,(MCS0)_4TX	27.44	0.55463	33.64	2.31206

Result

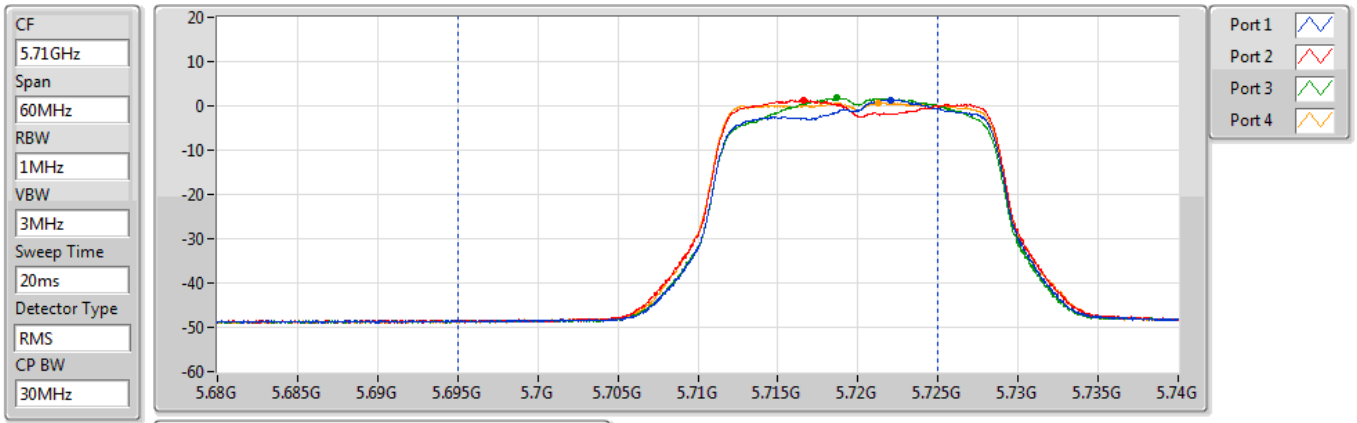
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.20	17.02	17.80	17.51	18.03	23.63	29.80	29.83	36.00
5200MHz	Pass	6.20	17.49	18.06	17.90	17.95	23.88	29.80	30.08	36.00
5240MHz	Pass	6.20	17.78	18.45	17.80	18.36	24.13	29.80	30.33	36.00
5260MHz	Pass	6.20	11.24	11.90	11.57	12.19	17.76	23.56	23.96	29.76
5300MHz	Pass	6.20	11.69	11.98	12.14	11.71	17.90	23.59	24.10	29.79
5320MHz	Pass	6.20	11.30	11.83	11.88	11.71	17.71	23.63	23.91	29.83
5500MHz	Pass	6.20	11.45	11.74	11.65	11.56	17.62	23.54	23.82	29.74
5580MHz	Pass	6.20	11.41	11.87	11.83	12.07	17.82	23.61	24.02	29.81
5700MHz	Pass	6.20	11.26	11.80	11.83	12.05	17.77	23.54	23.97	29.74
5720MHz Straddle 5.47-5.725GHz	Pass	6.20	9.81	10.65	11.06	10.98	16.67	22.27	22.87	28.47
5720MHz Straddle 5.725-5.85GHz	Pass	6.20	3.27	4.86	3.13	4.28	9.97	29.80	16.17	36.00
5745MHz	Pass	6.20	23.30	23.18	23.71	22.65	29.25	29.80	35.45	36.00
5785MHz	Pass	6.20	22.25	22.90	23.09	23.40	28.95	29.80	35.15	36.00
5825MHz	Pass	6.20	23.08	23.47	23.59	22.87	29.28	29.80	35.48	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	6.20	18.13	19.00	18.61	18.48	24.59	29.80	30.79	36.00
5200MHz	Pass	6.20	18.26	18.87	18.46	18.34	24.51	29.80	30.71	36.00
5240MHz	Pass	6.20	17.84	18.47	18.00	18.22	24.16	29.80	30.36	36.00
5260MHz	Pass	6.20	11.94	12.65	12.52	12.33	18.39	23.78	24.59	30.00
5300MHz	Pass	6.20	12.40	12.69	12.86	12.63	18.67	23.78	24.87	30.00
5320MHz	Pass	6.20	12.15	12.61	12.74	12.44	18.51	23.78	24.71	30.00
5500MHz	Pass	6.20	12.07	11.94	13.13	12.21	18.38	23.78	24.58	30.00
5580MHz	Pass	6.20	12.37	12.59	12.69	12.75	18.62	23.78	24.82	30.00
5700MHz	Pass	6.20	11.72	11.55	11.68	11.71	17.69	23.78	23.89	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	6.20	11.18	11.28	10.69	11.04	17.07	22.63	23.27	28.83
5720MHz Straddle 5.725-5.85GHz	Pass	6.20	3.38	4.68	3.22	4.14	9.92	29.80	16.12	36.00
5745MHz	Pass	6.20	21.83	22.23	22.30	22.19	28.16	29.80	34.36	36.00
5785MHz	Pass	6.20	21.23	21.68	21.57	21.06	27.41	29.80	33.61	36.00
5825MHz	Pass	6.20	22.02	22.34	22.21	21.60	28.07	29.80	34.27	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	6.20	17.62	18.08	18.05	17.44	23.83	29.80	30.03	36.00
5230MHz	Pass	6.20	21.15	21.58	21.13	20.79	27.19	29.80	33.39	36.00
5270MHz	Pass	6.20	15.51	15.66	15.48	15.36	21.52	23.78	27.72	30.00
5310MHz	Pass	6.20	15.03	15.14	15.57	15.76	21.41	23.78	27.61	30.00
5510MHz	Pass	6.20	15.30	15.34	15.36	15.69	21.45	23.78	27.65	30.00
5550MHz	Pass	6.20	15.18	15.57	15.35	15.70	21.48	23.78	27.68	30.00
5670MHz	Pass	6.20	14.68	15.23	15.59	15.40	21.26	23.78	27.46	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	6.20	14.09	15.04	15.06	15.15	20.88	23.78	27.08	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.20	4.89	5.18	4.13	5.48	10.97	29.80	17.17	36.00
5755MHz	Pass	6.20	22.37	23.12	23.18	23.22	29.01	29.80	35.21	36.00
5795MHz	Pass	6.20	23.10	23.20	23.35	23.19	29.23	29.80	35.43	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	6.20	17.72	17.93	17.71	17.33	23.70	29.80	29.90	36.00
5290MHz	Pass	6.20	16.46	16.27	16.32	16.31	22.36	23.78	28.56	30.00
5530MHz	Pass	6.20	17.17	17.03	17.37	17.50	23.29	23.78	29.49	30.00
5610MHz	Pass	6.20	16.29	17.19	16.79	16.82	22.80	23.78	29.00	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	6.20	16.46	17.42	17.58	17.24	23.22	23.78	29.42	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.20	3.47	3.06	2.39	3.91	9.26	29.80	15.46	36.00
5775MHz	Pass	6.20	20.92	21.57	21.76	21.40	27.44	29.80	33.64	36.00

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

802.11a_Nss1,(6Mbps)_4TX AV Power

5720MHz Straddle 5.47-5.725GHz_TX

02/08/2022

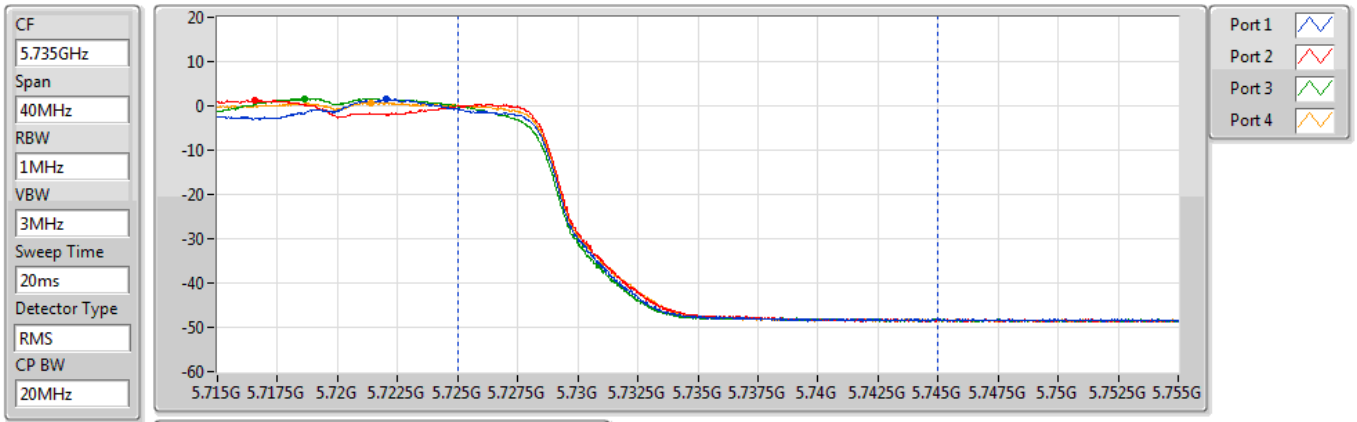


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.67	9.81	10.65	11.06	10.98

802.11a_Nss1,(6Mbps)_4TX AV Power

5720MHz Straddle 5.725-5.85GHz_TX

02/08/2022

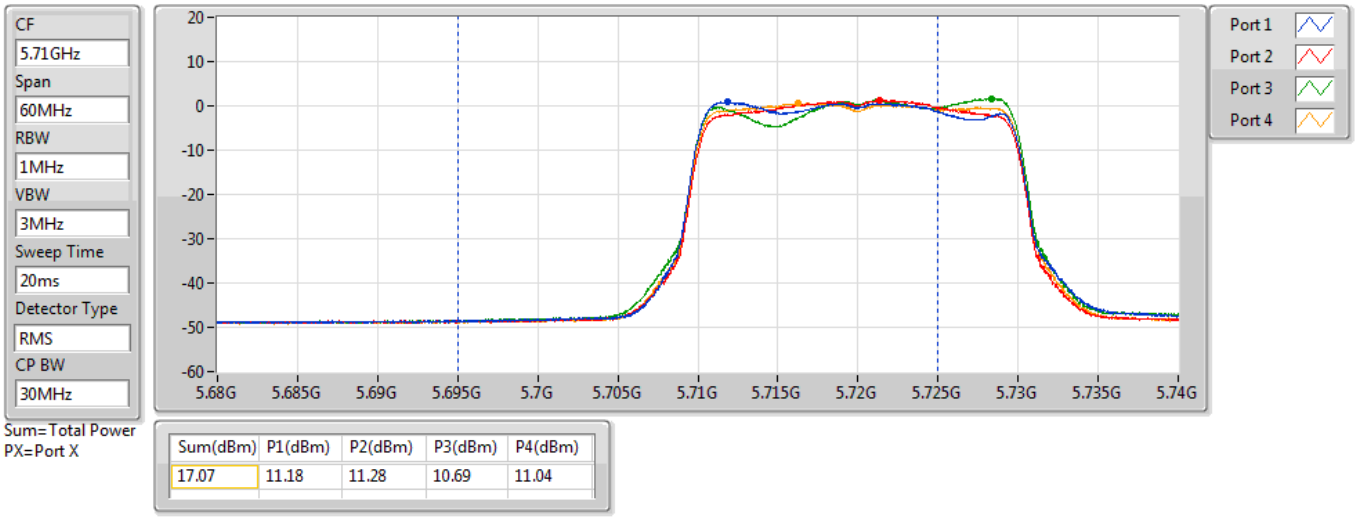


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.97	3.27	4.86	3.13	4.28

802.11ax HEW20_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.47-5.725GHz_TX

02/08/2022

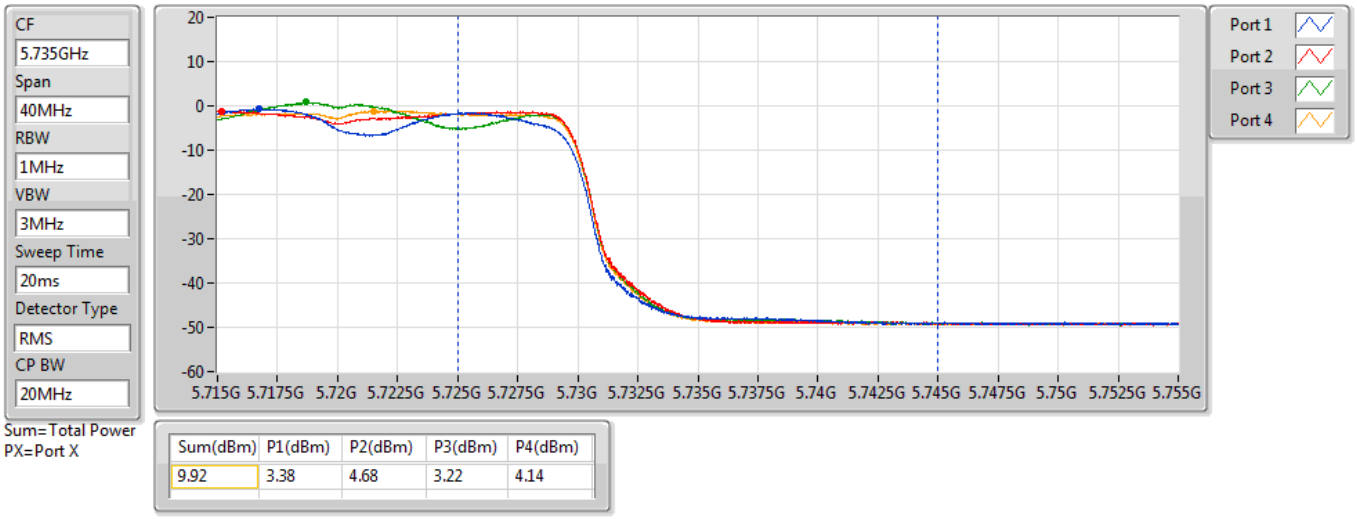


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.07	11.18	11.28	10.69	11.04

802.11ax HEW20_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.725-5.85GHz_TX

03/08/2022

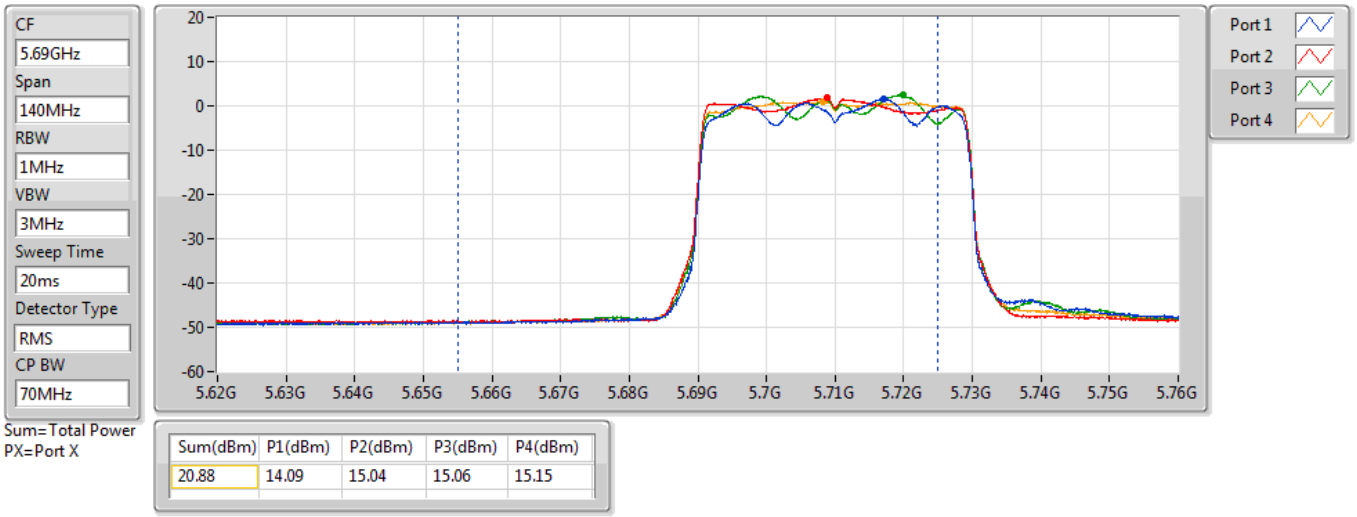


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.92	3.38	4.68	3.22	4.14

802.11ax HEW40_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.47-5.725GHz_TX

03/08/2022

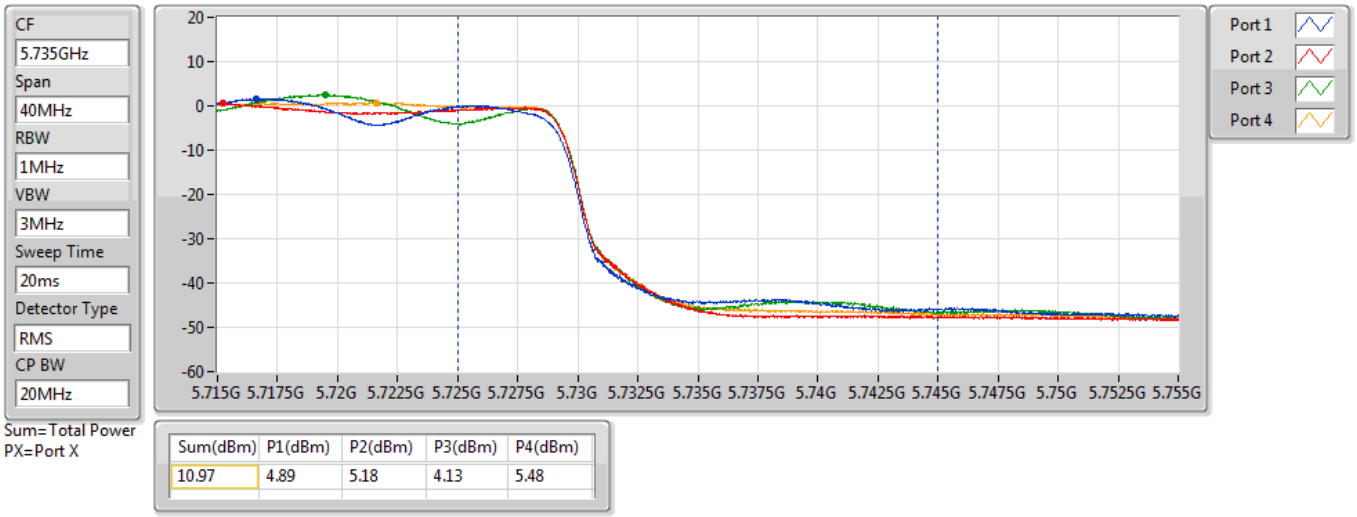


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
20.88	14.09	15.04	15.06	15.15

802.11ax HEW40_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.725-5.85GHz_TX

03/08/2022

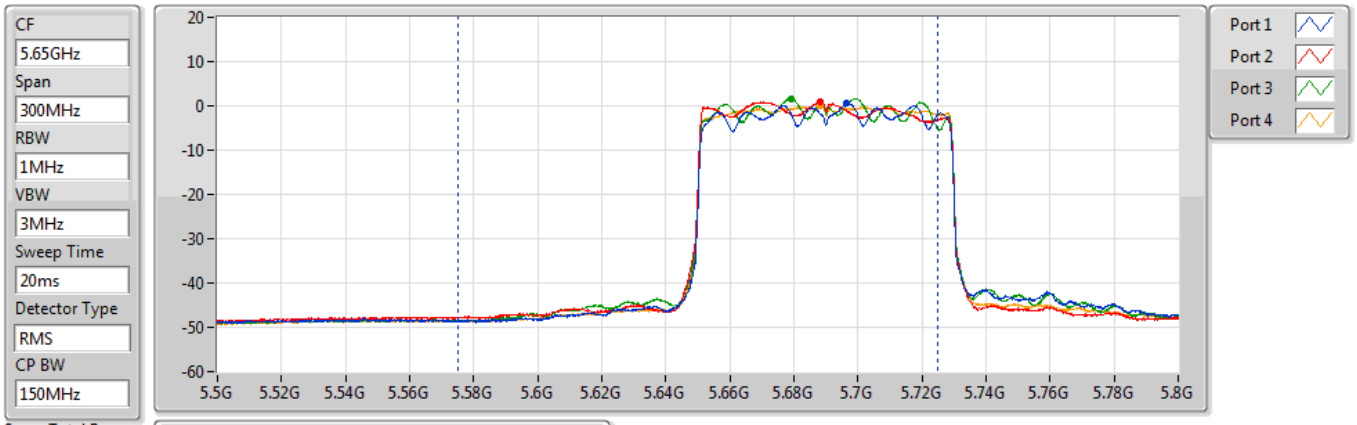


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
10.97	4.89	5.18	4.13	5.48

802.11ax HEW80_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.47-5.725GHz_TX

09/08/2022

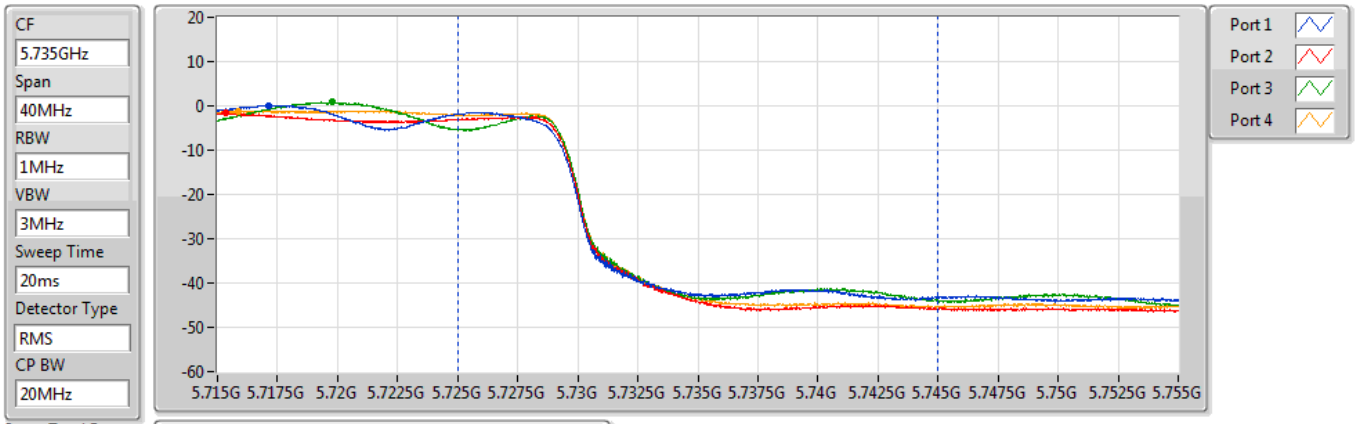


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
23.22	16.46	17.42	17.58	17.24

802.11ax HEW80_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.725-5.85GHz_TX

09/08/2022



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.26	3.47	3.06	2.39	3.91

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.03	0.25293	35.42	3.48337
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.08	0.25586	35.47	3.52371
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.57	0.22751	34.96	3.13329
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.04	0.06368	29.43	0.87700
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.90	0.06166	29.29	0.84918
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	17.75	0.05957	29.14	0.82035
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.00	0.06310	29.39	0.86896
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	18.03	0.06353	29.42	0.87498
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	18.03	0.06353	29.42	0.87498
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.03	0.25293	35.42	3.48337
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.08	0.25586	35.47	3.52371
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.82	0.24099	35.21	3.31894

Result

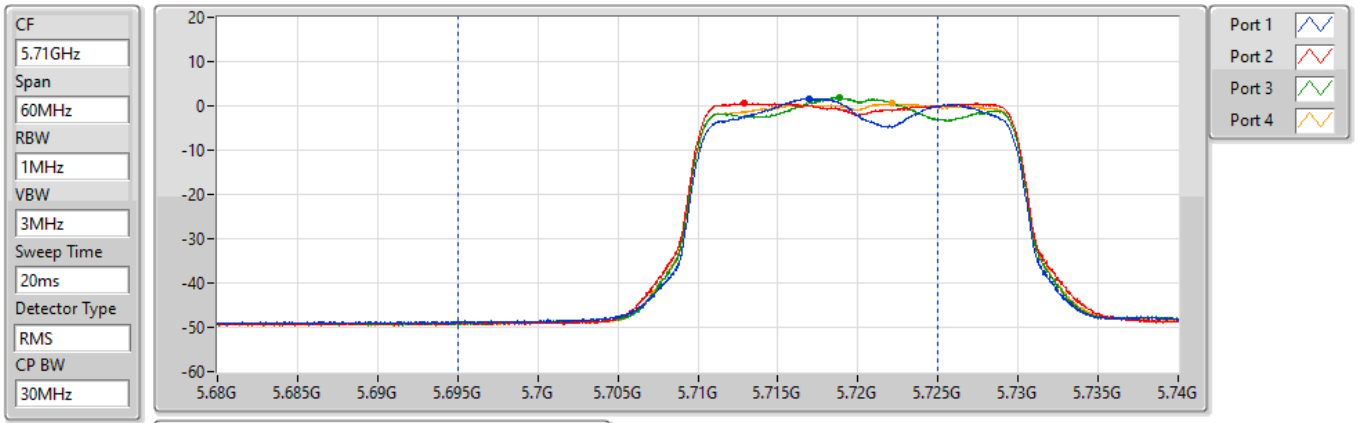
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.39	17.48	18.39	18.00	17.84	23.96	24.61	35.35	36.00
5200MHz	Pass	11.39	17.66	18.27	17.82	17.73	23.90	24.61	35.29	36.00
5240MHz	Pass	11.39	17.69	18.35	17.86	18.12	24.03	24.61	35.42	36.00
5260MHz	Pass	11.39	11.34	12.01	11.90	11.70	17.77	18.59	29.16	30.00
5300MHz	Pass	11.39	11.75	12.05	12.26	12.00	18.04	18.59	29.43	30.00
5320MHz	Pass	11.39	11.53	11.99	12.13	11.82	17.89	18.59	29.28	30.00
5500MHz	Pass	11.39	11.45	11.31	12.48	11.57	17.75	18.59	29.14	30.00
5580MHz	Pass	11.39	11.77	11.96	12.07	12.10	18.00	18.59	29.39	30.00
5700MHz	Pass	11.39	11.61	11.44	11.57	11.61	17.58	18.59	28.97	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.39	10.29	11.06	11.04	10.97	16.87	17.44	28.26	28.83
5720MHz Straddle 5.725-5.85GHz	Pass	11.39	3.01	4.77	3.09	4.10	9.83	24.61	21.22	36.00
5745MHz	Pass	11.39	17.71	18.09	18.17	18.06	24.03	24.61	35.42	36.00
5785MHz	Pass	11.39	17.59	18.08	17.95	17.43	23.79	24.61	35.18	36.00
5825MHz	Pass	11.39	17.87	18.21	18.06	17.49	23.94	24.61	35.33	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.39	17.52	17.94	17.90	17.34	23.70	24.61	35.09	36.00
5230MHz	Pass	11.39	18.04	18.48	18.02	17.68	24.08	24.61	35.47	36.00
5270MHz	Pass	11.39	11.91	12.06	11.84	11.71	17.90	18.59	29.29	30.00
5310MHz	Pass	11.39	11.39	11.50	11.97	12.14	17.78	18.59	29.17	30.00
5510MHz	Pass	11.39	11.66	11.71	11.73	12.07	17.82	18.59	29.21	30.00
5550MHz	Pass	11.39	11.53	11.97	11.71	12.07	17.85	18.59	29.24	30.00
5670MHz	Pass	11.39	11.44	12.01	12.36	12.19	18.03	18.59	29.42	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.39	11.14	11.69	11.61	12.21	17.70	18.59	29.09	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.39	2.08	2.66	0.87	2.23	8.03	24.61	19.42	36.00
5755MHz	Pass	11.39	17.23	18.02	18.07	18.11	23.89	24.61	35.28	36.00
5795MHz	Pass	11.39	17.90	18.09	18.22	18.04	24.08	24.61	35.47	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.39	17.62	17.78	17.59	17.18	23.57	24.61	34.96	36.00
5290MHz	Pass	11.39	11.85	11.64	11.72	11.71	17.75	18.59	29.14	30.00
5530MHz	Pass	11.39	11.52	11.39	11.77	11.85	17.66	18.59	29.05	30.00
5610MHz	Pass	11.39	11.15	12.05	11.66	11.68	17.67	18.59	29.06	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.39	11.45	12.27	12.03	12.24	18.03	18.59	29.42	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.39	-1.15	-1.17	-2.56	-1.48	4.47	24.61	15.86	36.00
5775MHz	Pass	11.39	17.31	17.93	18.15	17.76	23.82	24.61	35.21	36.00

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

802.11ax HEW20-BF_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.47-5.725GHz_TX

23/08/2022

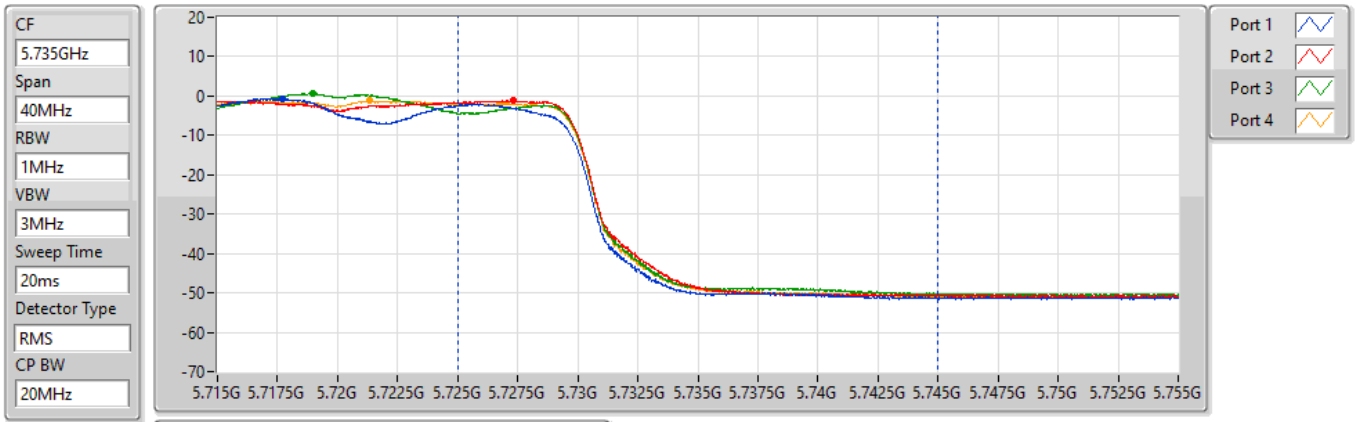


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.87	10.29	11.06	11.04	10.97

802.11ax HEW20-BF_Nss1,(MCS0)_4TX AV Power

5720MHz Straddle 5.725-5.85GHz_TX

23/08/2022

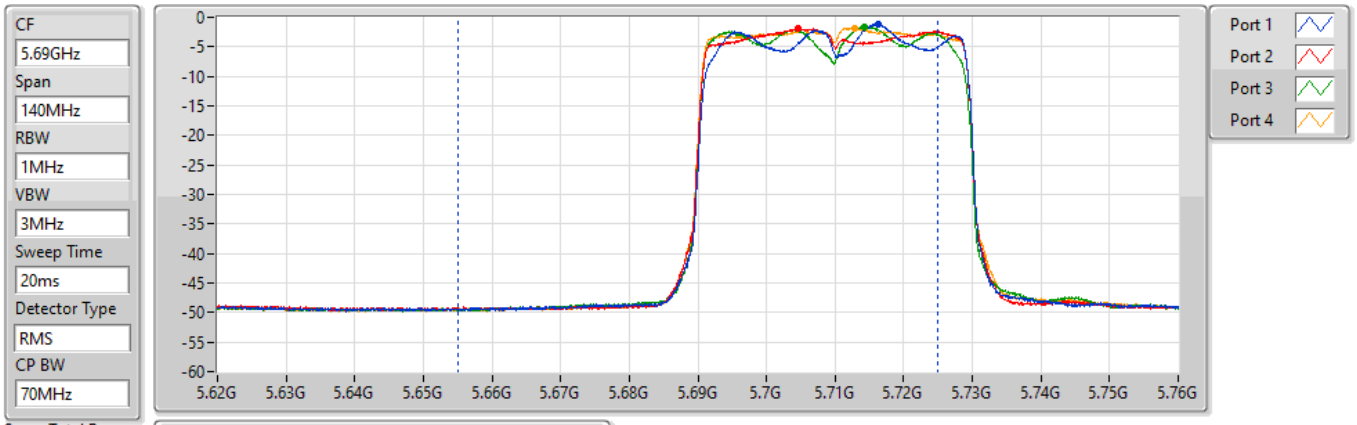


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
9.83	3.01	4.77	3.09	4.10

802.11ax HEW40-BF_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.47-5.725GHz_TX

23/08/2022

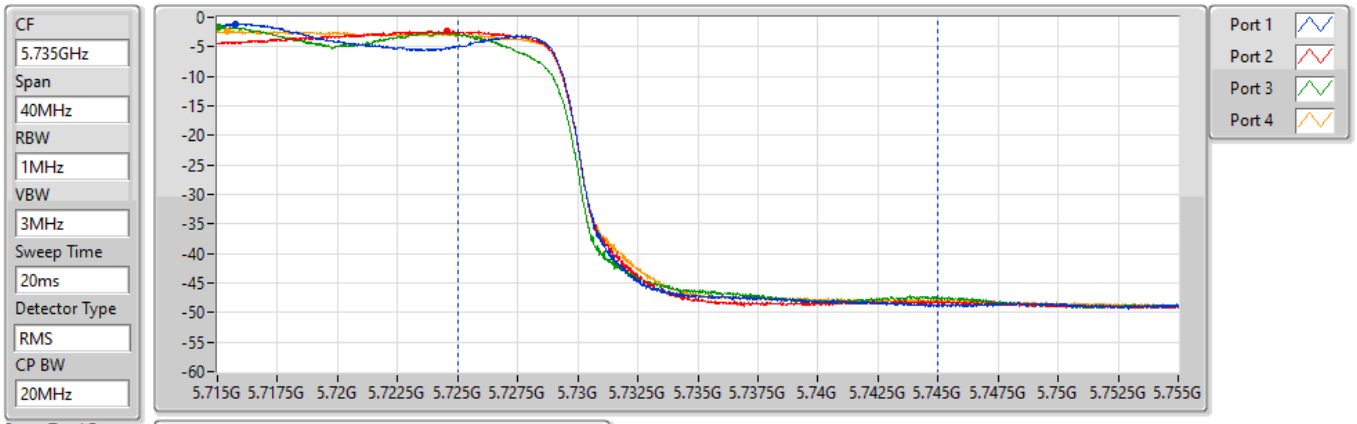


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
17.70	11.14	11.69	11.61	12.21

802.11ax HEW40-BF_Nss1,(MCS0)_4TX AV Power

5710MHz Straddle 5.725-5.85GHz_TX

23/08/2022

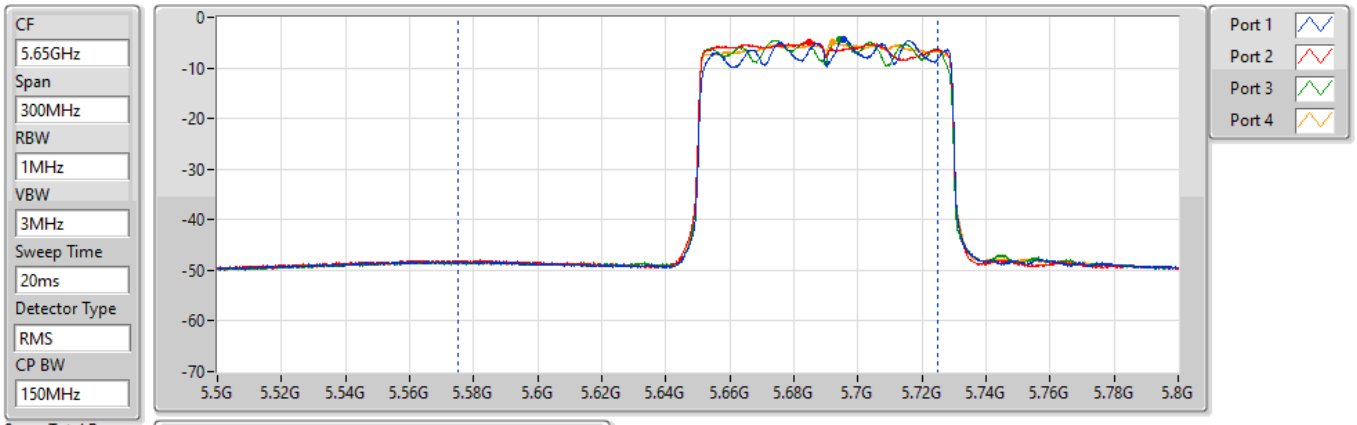


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
8.03	2.08	2.66	0.87	2.23

802.11ax HEW80-BF_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.47-5.725GHz_TX

23/08/2022

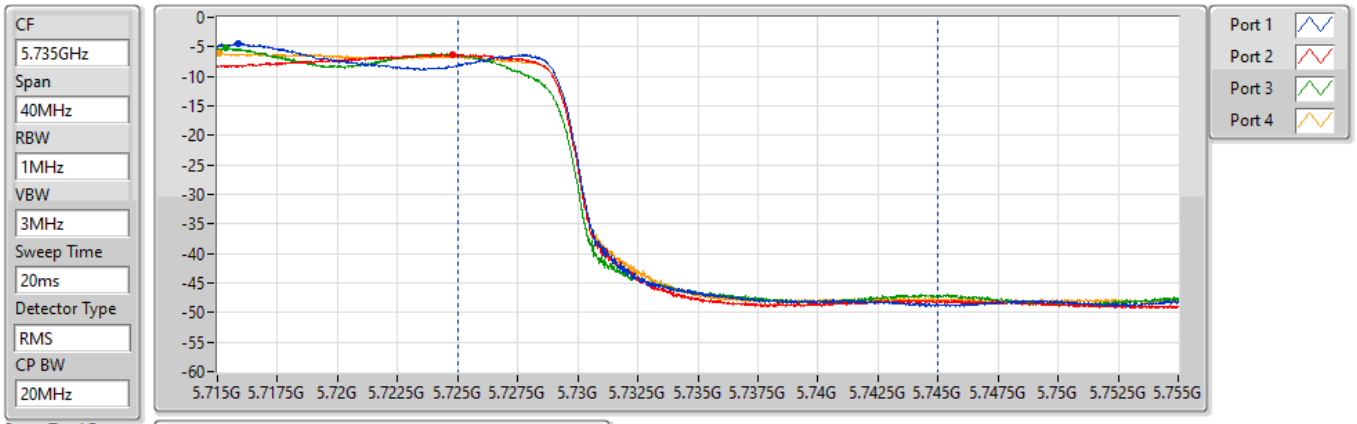


Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
18.03	11.45	12.27	12.03	12.24

802.11ax HEW80-BF_Nss1,(MCS0)_4TX AV Power

5690MHz Straddle 5.725-5.85GHz_TX

23/08/2022



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
4.47	-1.15	-1.17	-2.56	-1.48

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	11.59	22.98
802.11ax HEW20_Nss1,(MCS0)_4TX	11.43	22.82
802.11ax HEW40_Nss1,(MCS0)_4TX	11.11	22.50
802.11ax HEW80_Nss1,(MCS0)_4TX	5.16	16.55
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.56	16.95
802.11ax HEW20_Nss1,(MCS0)_4TX	5.46	16.85
802.11ax HEW40_Nss1,(MCS0)_4TX	5.49	16.88
802.11ax HEW80_Nss1,(MCS0)_4TX	3.74	15.13
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.49	16.88
802.11ax HEW20_Nss1,(MCS0)_4TX	5.54	16.93
802.11ax HEW40_Nss1,(MCS0)_4TX	5.44	16.83
802.11ax HEW80_Nss1,(MCS0)_4TX	4.67	16.06
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	15.88	27.27
802.11ax HEW20_Nss1,(MCS0)_4TX	14.14	25.53
802.11ax HEW40_Nss1,(MCS0)_4TX	12.48	23.87
802.11ax HEW80_Nss1,(MCS0)_4TX	6.65	18.04

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

Result

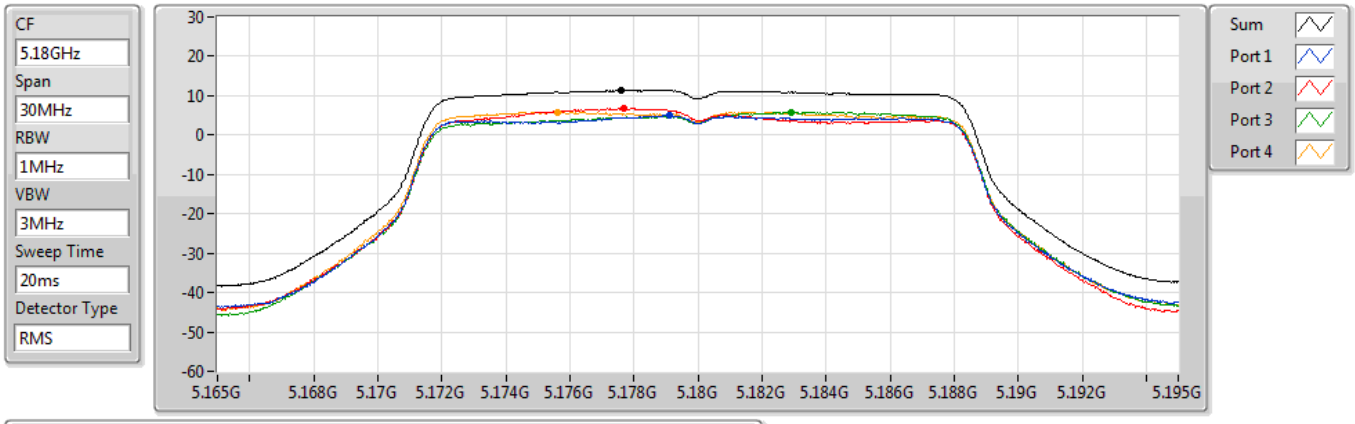
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.39	5.12	6.80	5.83	5.82	11.39	11.61	22.78	23.00
5200MHz	Pass	11.39	5.36	6.49	6.20	5.84	11.19	11.61	22.58	23.00
5240MHz	Pass	11.39	5.68	6.41	6.37	6.37	11.59	11.61	22.98	23.00
5260MHz	Pass	11.39	-0.71	1.02	-0.03	-0.07	5.56	5.61	16.95	17.00
5300MHz	Pass	11.39	-0.28	-0.13	0.31	-0.82	5.52	5.61	16.91	17.00
5320MHz	Pass	11.39	-0.62	0.21	-0.44	-0.51	5.16	5.61	16.55	17.00
5500MHz	Pass	11.39	-1.04	-0.24	0.23	-0.97	5.16	5.61	16.55	17.00
5580MHz	Pass	11.39	-0.41	-0.14	0.66	-0.15	5.49	5.61	16.88	17.00
5700MHz	Pass	11.39	-0.01	0.29	1.41	-0.20	5.47	5.61	16.86	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.39	-0.10	-0.37	0.18	-0.84	5.08	5.61	16.47	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.39	-3.77	-2.65	-3.06	-2.92	2.76	24.61	14.15	36.00
5745MHz	Pass	11.39	11.01	10.21	11.54	10.30	15.88	24.61	27.27	36.00
5785MHz	Pass	11.39	10.41	10.64	10.67	9.94	15.57	24.61	26.96	36.00
5825MHz	Pass	11.39	10.45	10.77	10.64	9.30	15.80	24.61	27.19	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.39	5.30	6.01	6.41	6.11	11.42	11.61	22.81	23.00
5200MHz	Pass	11.39	5.72	6.00	6.18	5.88	11.29	11.61	22.68	23.00
5240MHz	Pass	11.39	5.33	6.67	5.40	5.48	11.43	11.61	22.82	23.00
5260MHz	Pass	11.39	-0.79	0.80	-0.54	-0.58	5.29	5.61	16.68	17.00
5300MHz	Pass	11.39	-0.29	1.06	0.30	-0.51	5.46	5.61	16.85	17.00
5320MHz	Pass	11.39	-0.67	-0.46	0.66	-0.65	5.44	5.61	16.83	17.00
5500MHz	Pass	11.39	-0.75	-0.02	0.41	-0.83	5.24	5.61	16.63	17.00
5580MHz	Pass	11.39	-0.04	-0.14	0.80	-0.18	5.54	5.61	16.93	17.00
5700MHz	Pass	11.39	0.39	-0.41	1.21	-1.11	5.24	5.61	16.63	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.39	-0.69	-0.10	-0.21	-0.90	5.34	5.61	16.73	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.39	-3.24	-2.08	-2.54	-3.23	2.99	24.61	14.38	36.00
5745MHz	Pass	11.39	8.79	8.14	8.99	7.84	14.14	24.61	25.53	36.00
5785MHz	Pass	11.39	7.86	7.81	8.46	6.90	13.00	24.61	24.39	36.00
5825MHz	Pass	11.39	8.49	9.30	8.88	7.53	13.56	24.61	24.95	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.39	-2.46	-1.65	-1.68	-2.35	3.53	11.61	14.92	23.00
5230MHz	Pass	11.39	5.15	6.41	5.92	5.20	11.11	11.61	22.50	23.00
5270MHz	Pass	11.39	-0.32	0.58	0.13	-0.50	5.49	5.61	16.88	17.00
5310MHz	Pass	11.39	-0.26	-0.08	0.31	-0.41	5.05	5.61	16.44	17.00
5510MHz	Pass	11.39	-0.41	-0.38	0.04	-0.72	5.39	5.61	16.78	17.00
5550MHz	Pass	11.39	-0.58	0.15	0.03	-0.72	5.44	5.61	16.83	17.00
5670MHz	Pass	11.39	-0.45	0.12	0.80	-0.66	5.33	5.61	16.72	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.39	0.11	0.25	0.93	-0.38	5.41	5.61	16.80	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.39	-2.93	-3.34	-3.22	-3.05	2.32	24.61	13.71	36.00
5755MHz	Pass	11.39	6.71	6.14	7.15	6.05	12.12	24.61	23.51	36.00
5795MHz	Pass	11.39	6.82	6.74	7.39	6.27	12.48	24.61	23.87	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.39	-0.62	0.15	-0.17	-0.95	5.16	11.61	16.55	23.00
5290MHz	Pass	11.39	-1.82	-1.14	-1.73	-2.25	3.74	5.61	15.13	17.00
5530MHz	Pass	11.39	-1.16	-1.09	-0.60	-1.36	4.67	5.61	16.06	17.00
5610MHz	Pass	11.39	-1.83	-0.62	-0.88	-1.85	4.44	5.61	15.83	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.39	-0.88	-0.60	0.27	-1.59	4.49	5.61	15.88	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.39	-4.45	-5.57	-4.92	-4.68	0.60	24.61	11.99	36.00
5775MHz	Pass	11.39	1.32	0.74	1.83	0.14	6.65	24.61	18.04	36.00

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

802.11a_Nss1,(6Mbps)_4TX PSD

5180MHz

02/08/2022

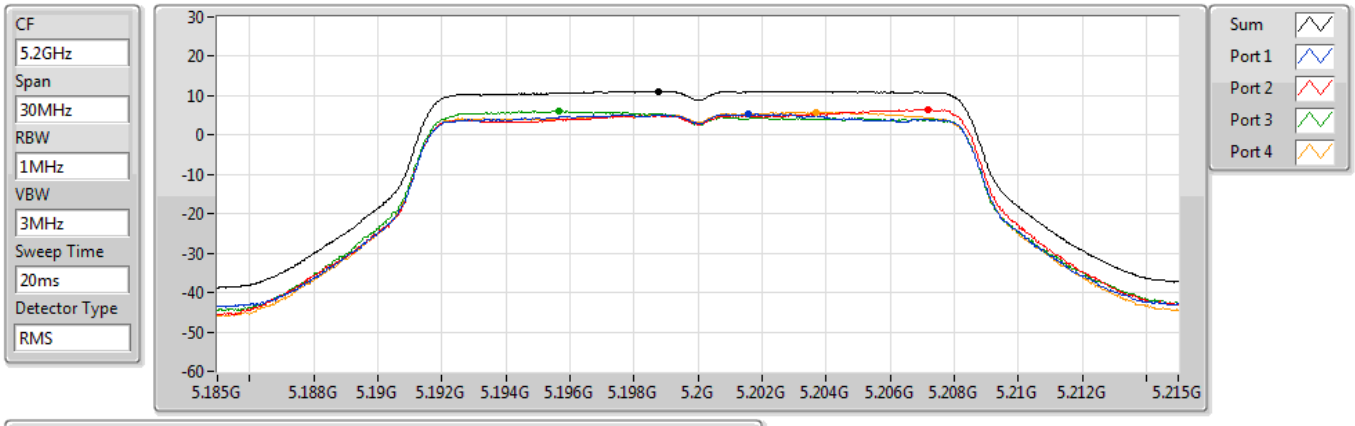


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.39	11.39	5.12	6.80	5.83	5.82

802.11a_Nss1,(6Mbps)_4TX PSD

5200MHz

02/08/2022

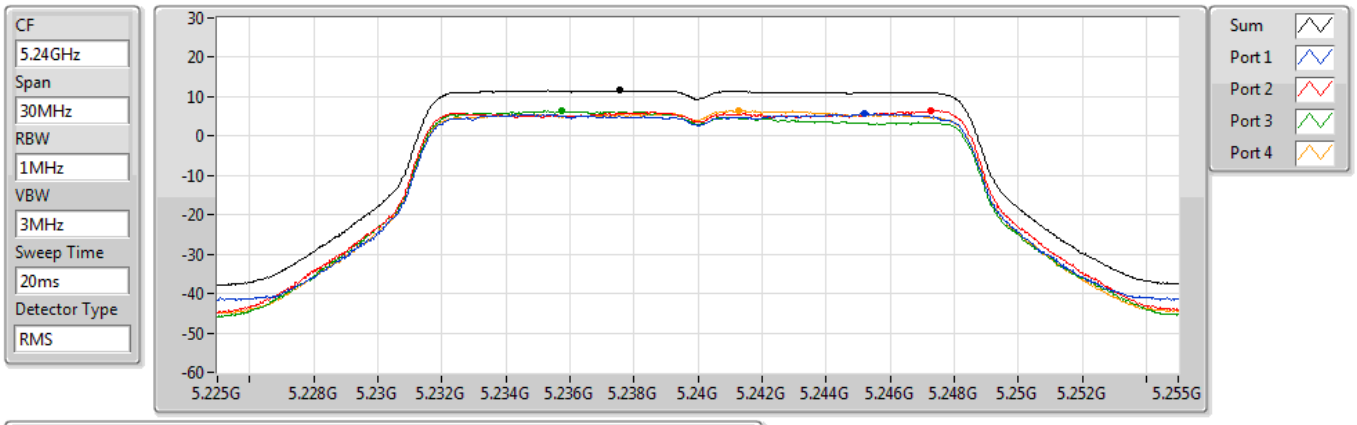


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.19	11.19	5.36	6.49	6.20	5.84

802.11a_Nss1,(6Mbps)_4TX PSD

5240MHz

02/08/2022

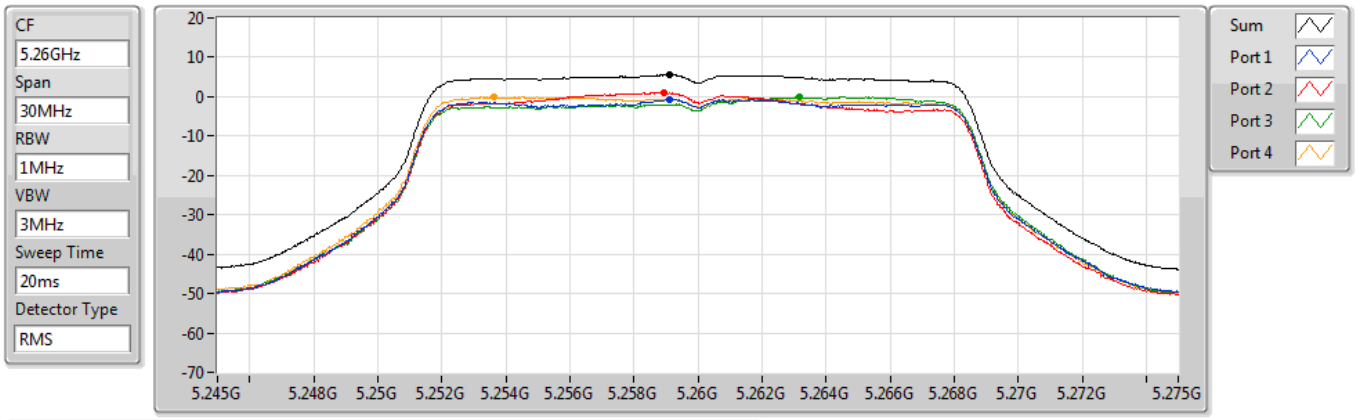


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.59	11.59	5.68	6.41	6.37	6.37

802.11a_Nss1,(6Mbps)_4TX PSD

5260MHz

02/08/2022

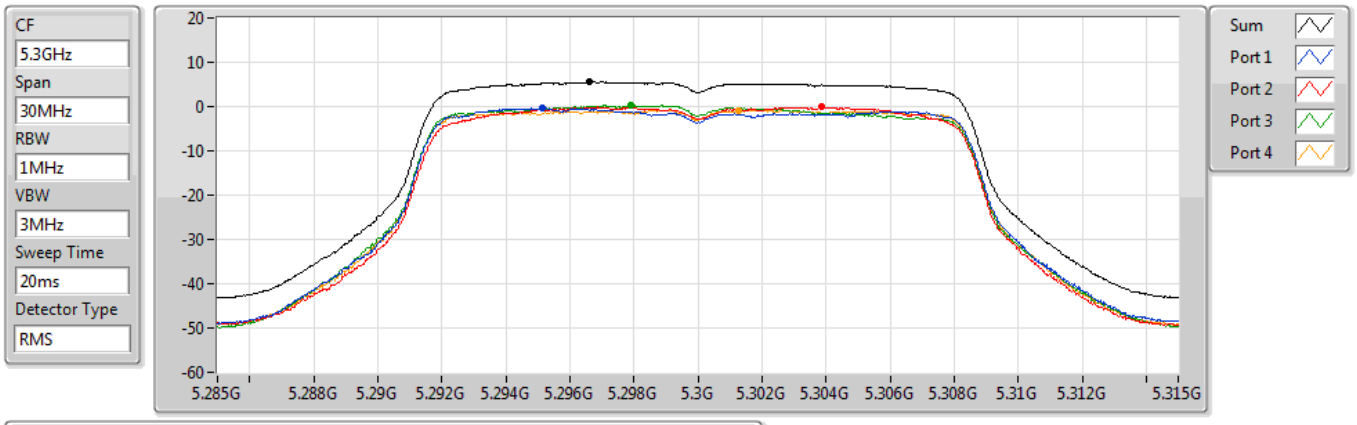


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.56	5.56	-0.71	1.02	-0.03	-0.07

802.11a_Nss1,(6Mbps)_4TX PSD

5300MHz

02/08/2022

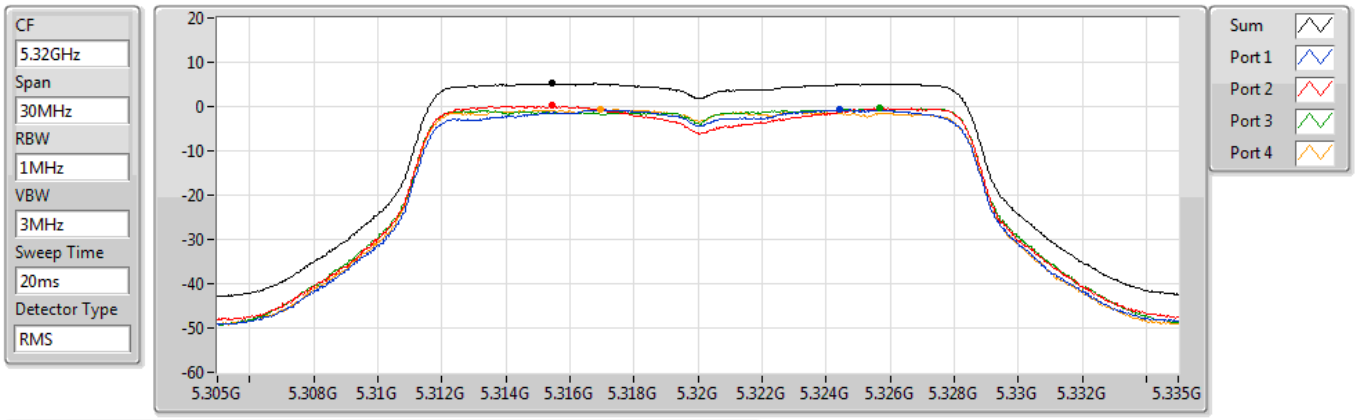


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.52	5.52	-0.28	-0.13	0.31	-0.82

802.11a_Nss1,(6Mbps)_4TX PSD

5320MHz

02/08/2022

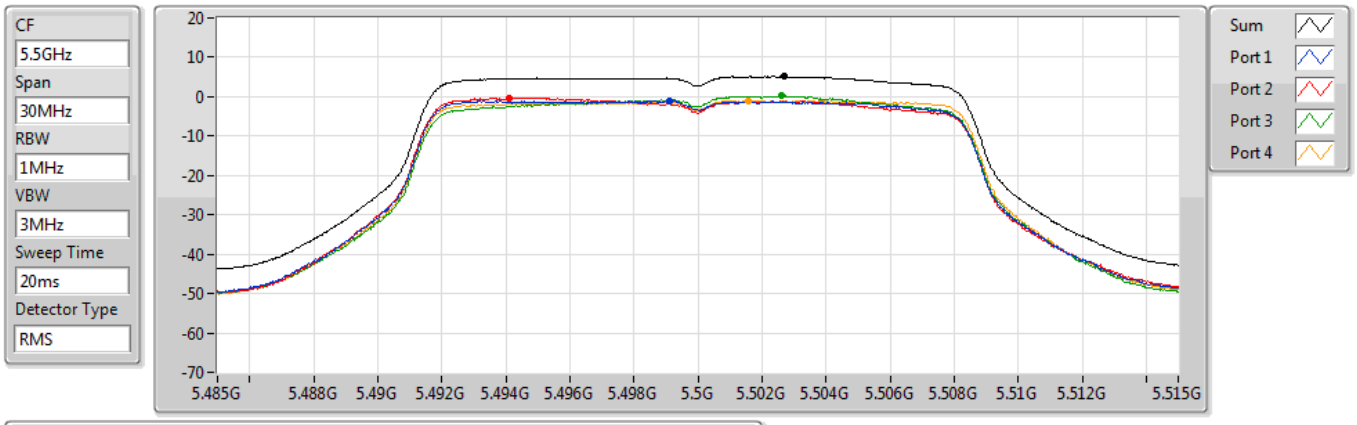


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-0.62	0.21	-0.44	-0.51

802.11a_Nss1,(6Mbps)_4TX PSD

5500MHz

02/08/2022

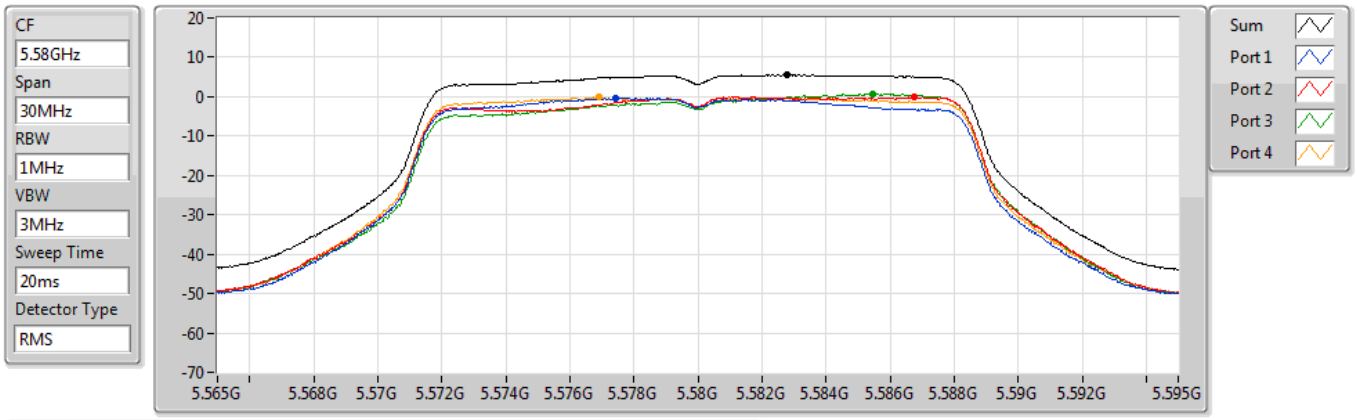


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-1.04	-0.24	0.23	-0.97

802.11a_Nss1,(6Mbps)_4TX PSD

5580MHz

02/08/2022

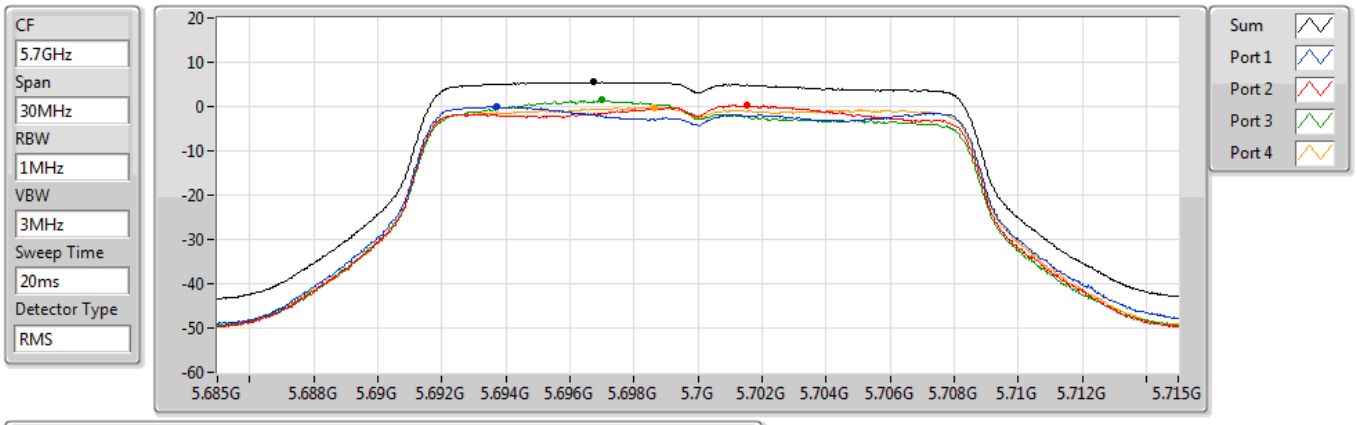


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49	-0.41	-0.14	0.66	-0.15

802.11a_Nss1,(6Mbps)_4TX PSD

5700MHz

02/08/2022

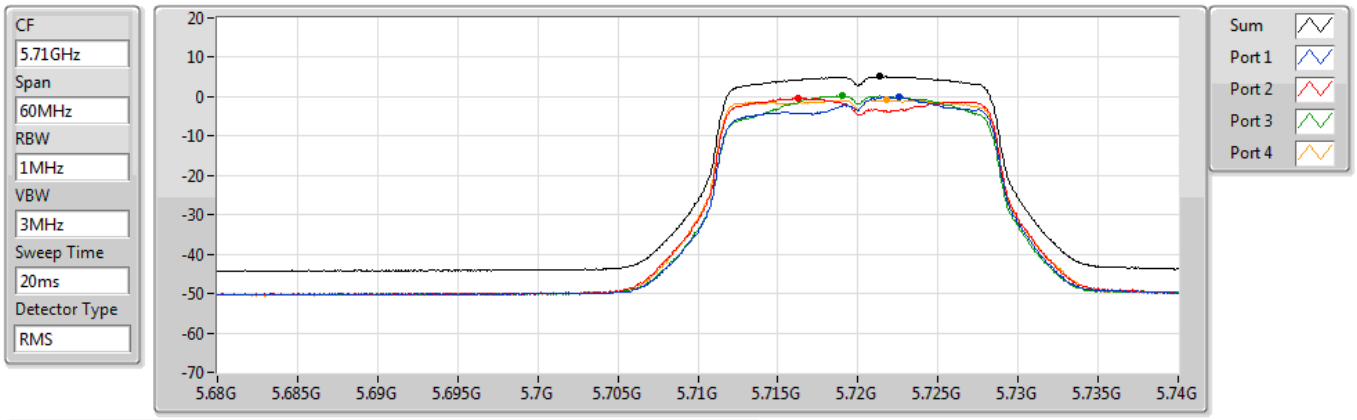


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.47	5.47	-0.01	0.29	1.41	-0.20

802.11a_Nss1,(6Mbps)_4TX PSD

5720MHz Straddle 5.47-5.725GHz

02/08/2022

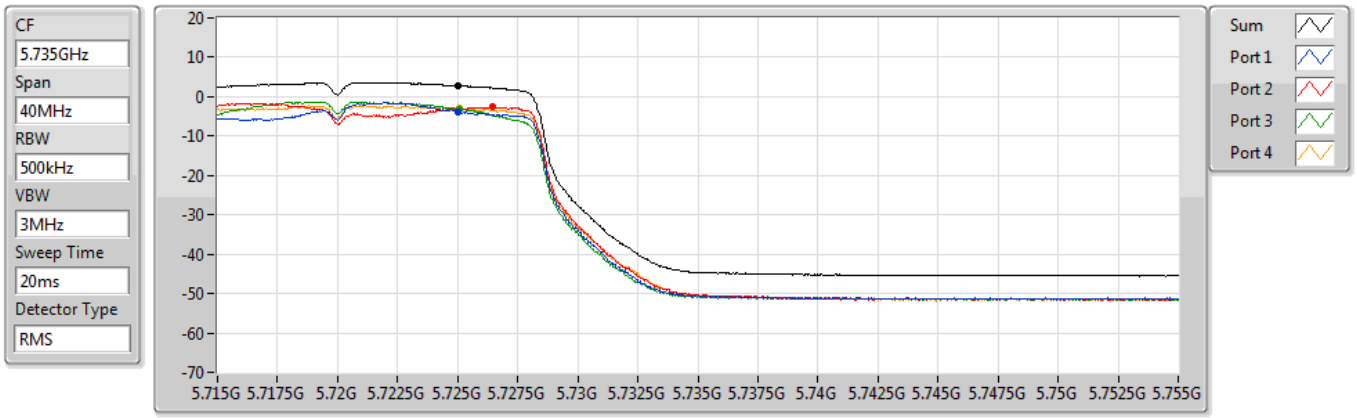


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.08	5.08	-0.10	-0.37	0.18	-0.84

802.11a_Nss1,(6Mbps)_4TX PSD

5720MHz Straddle 5.725-5.85GHz

02/08/2022

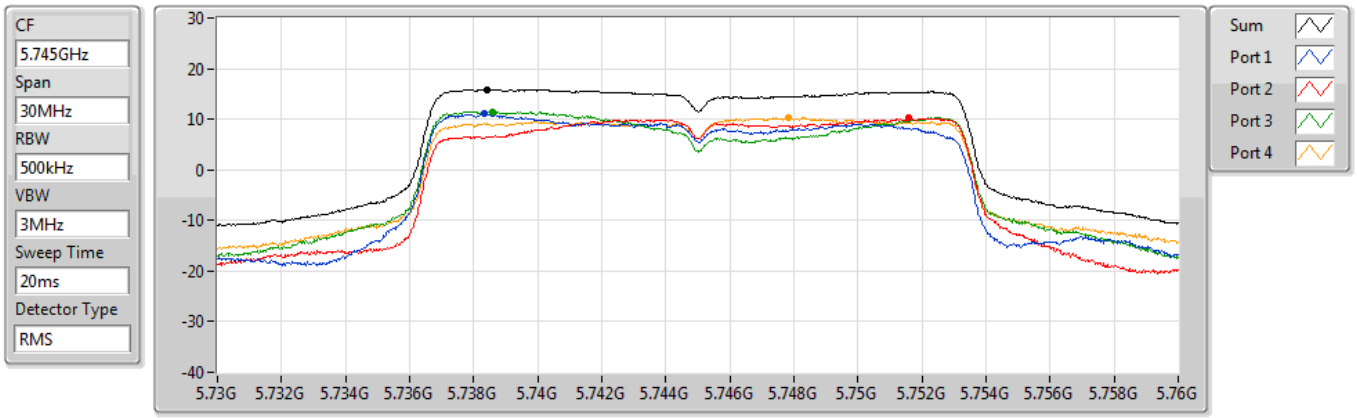


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.76	2.76	-3.77	-2.65	-3.06	-2.92

802.11a_Nss1,(6Mbps)_4TX PSD

5745MHz

02/08/2022

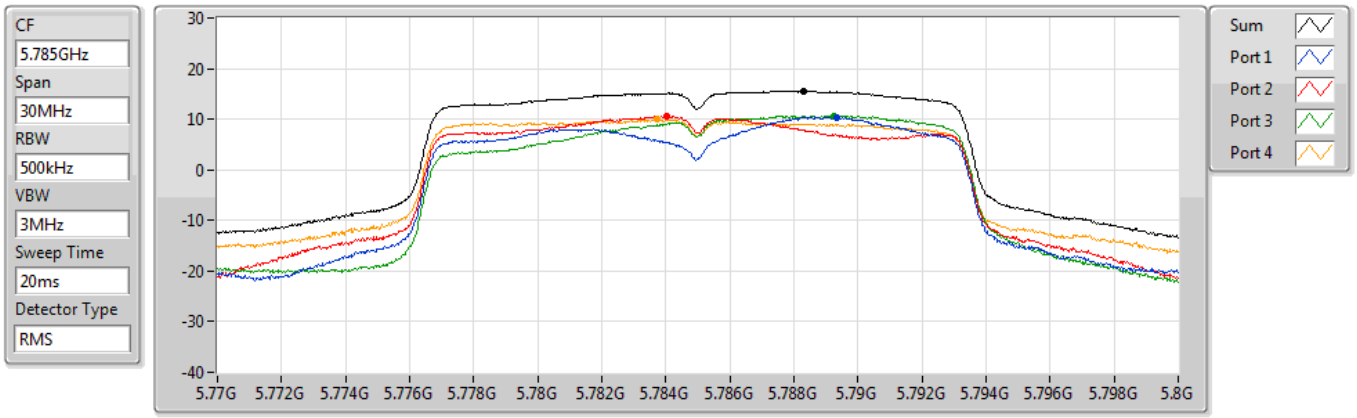


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.88	15.88	11.01	10.21	11.54	10.30

802.11a_Nss1,(6Mbps)_4TX PSD

5785MHz

02/08/2022

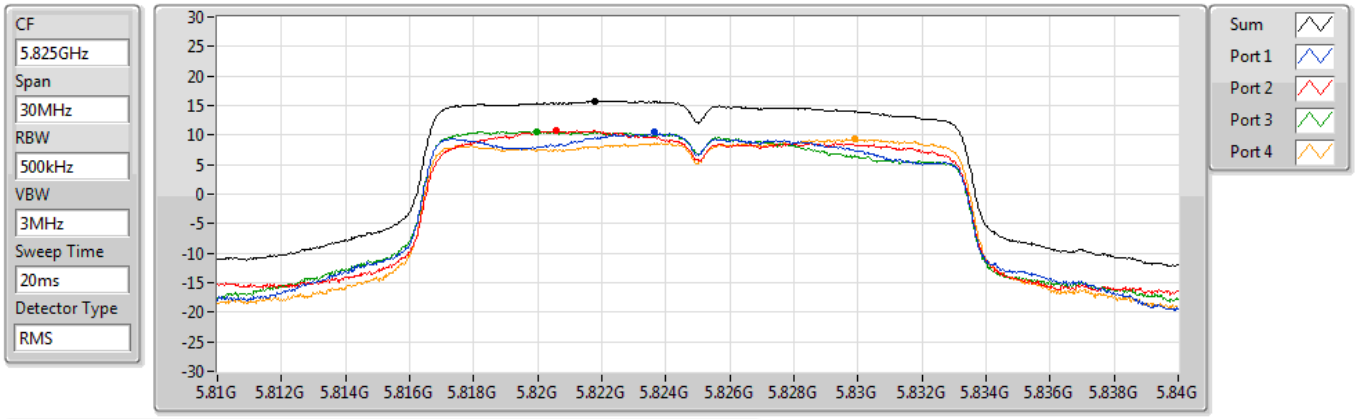


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.57	15.57	10.41	10.64	10.67	9.94

802.11a_Nss1,(6Mbps)_4TX PSD

5825MHz

02/08/2022

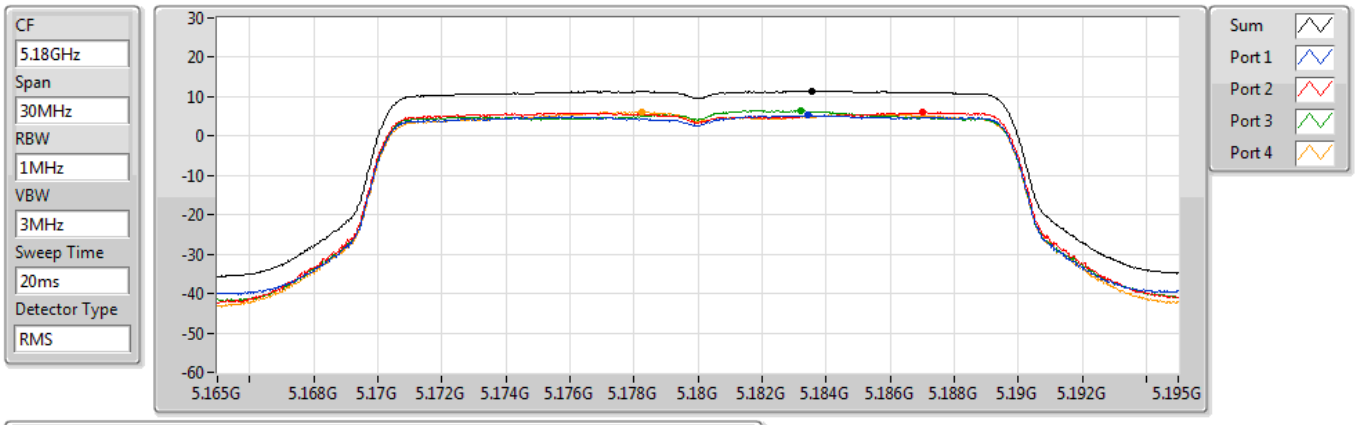


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
15.80	15.80	10.45	10.77	10.64	9.30

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5180MHz

02/08/2022

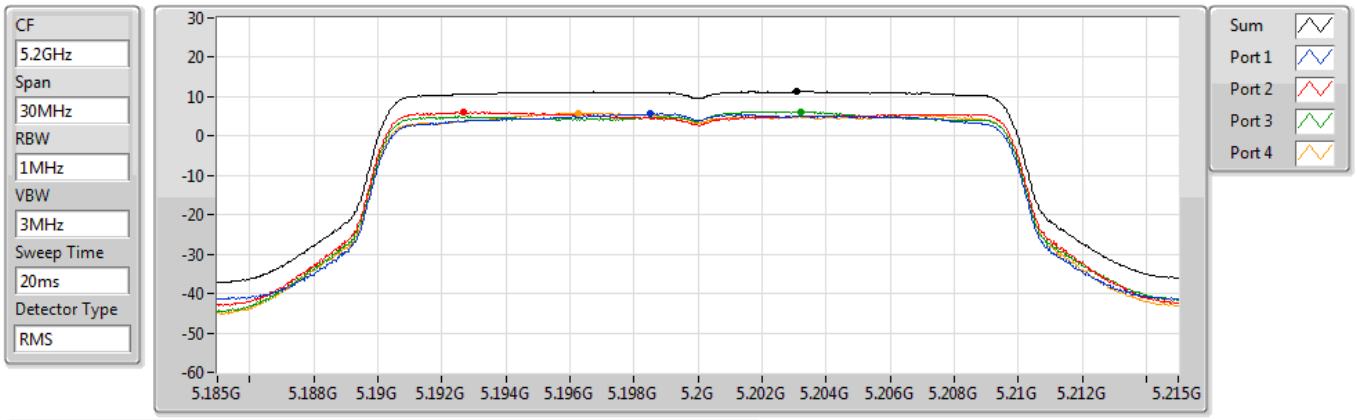


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.42	11.42	5.30	6.01	6.41	6.11

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5200MHz

02/08/2022

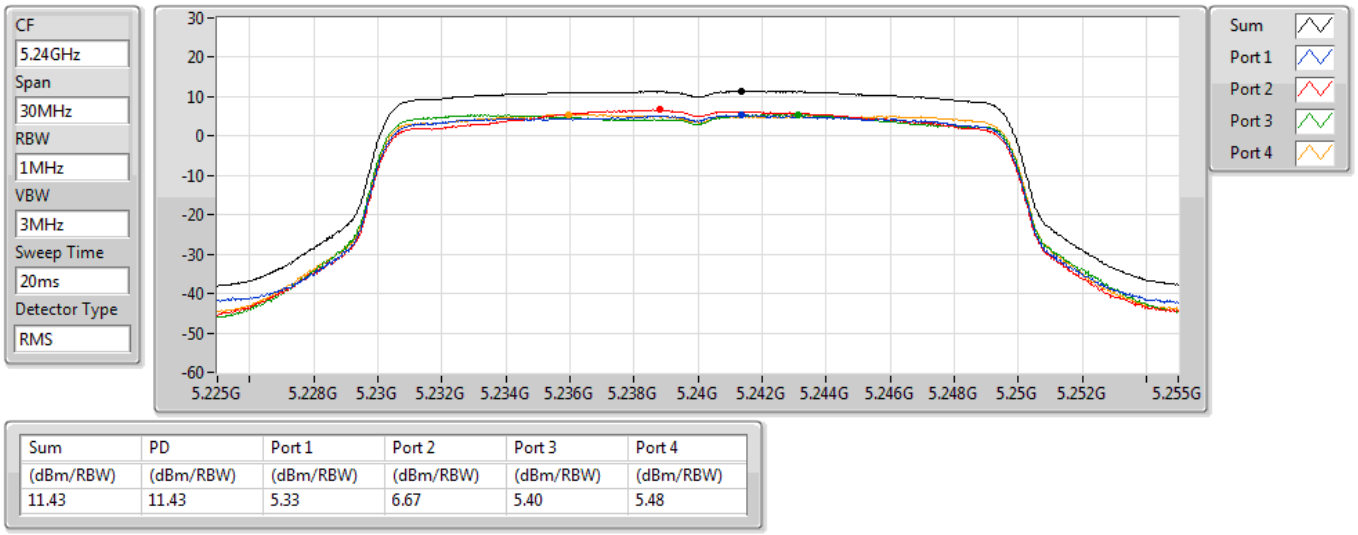


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.29	11.29	5.72	6.00	6.18	5.88

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5240MHz

02/08/2022

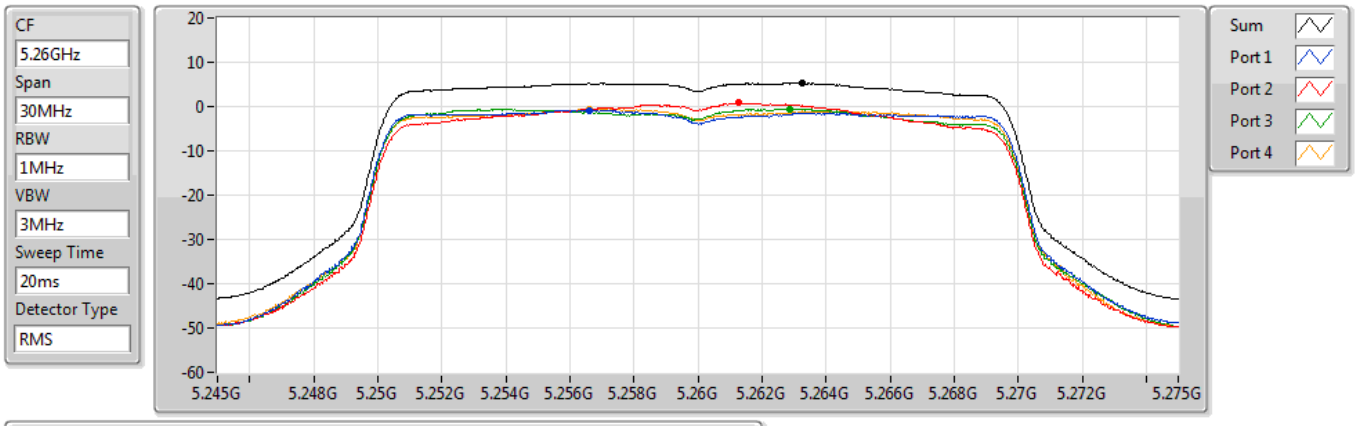


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.43	11.43	5.33	6.67	5.40	5.48

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5260MHz

02/08/2022

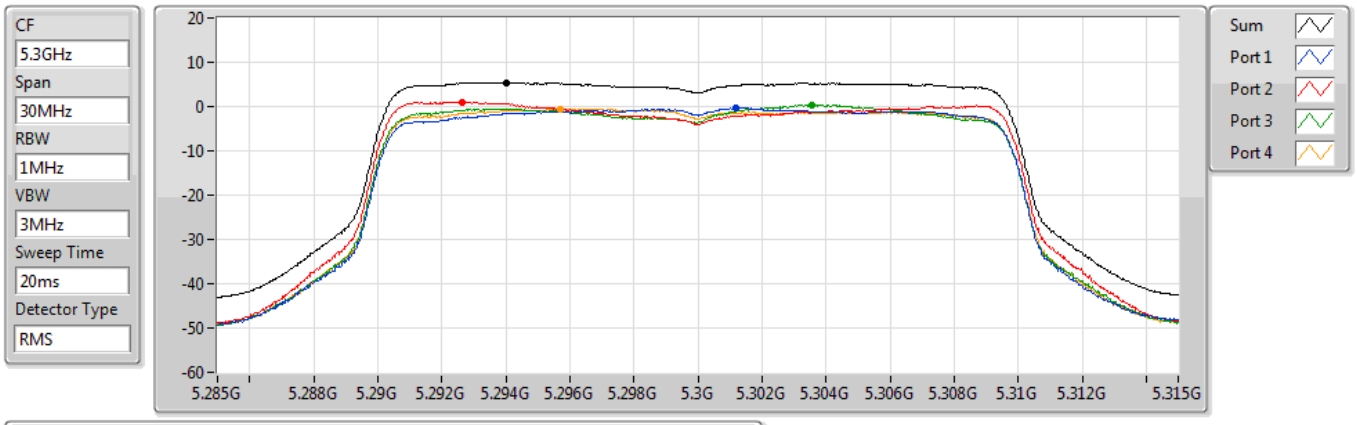


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.29	5.29	-0.79	0.80	-0.54	-0.58

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5300MHz

02/08/2022

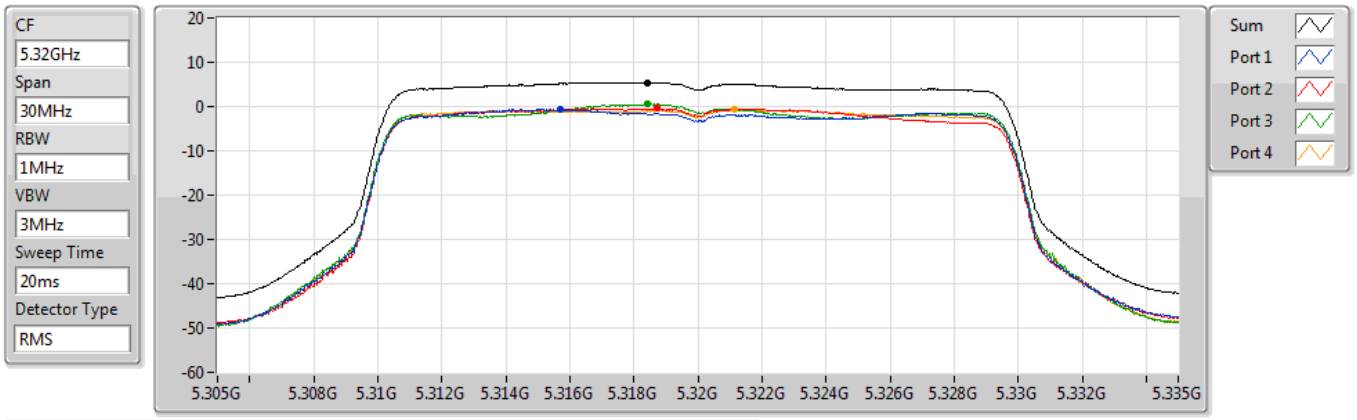


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.46	5.46	-0.29	1.06	0.30	-0.51

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5320MHz

02/08/2022

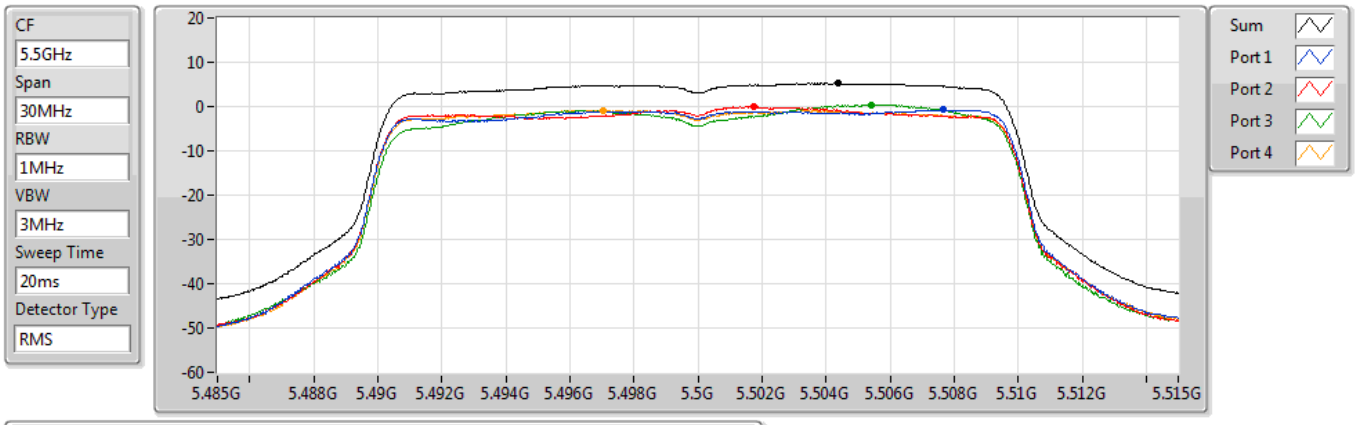


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.44	5.44	-0.67	-0.46	0.66	-0.65

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5500MHz

02/08/2022

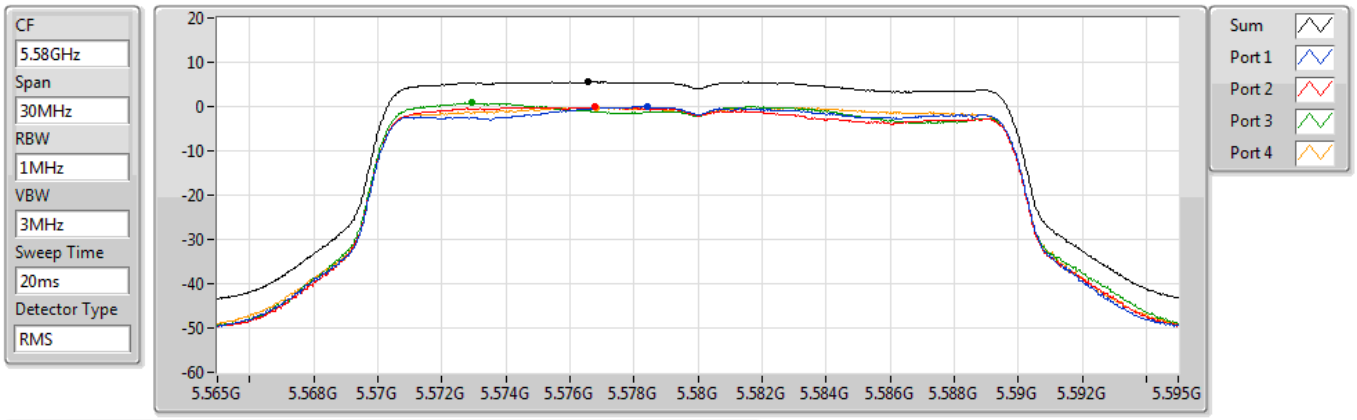


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.24	5.24	-0.75	-0.02	0.41	-0.83

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5580MHz

02/08/2022

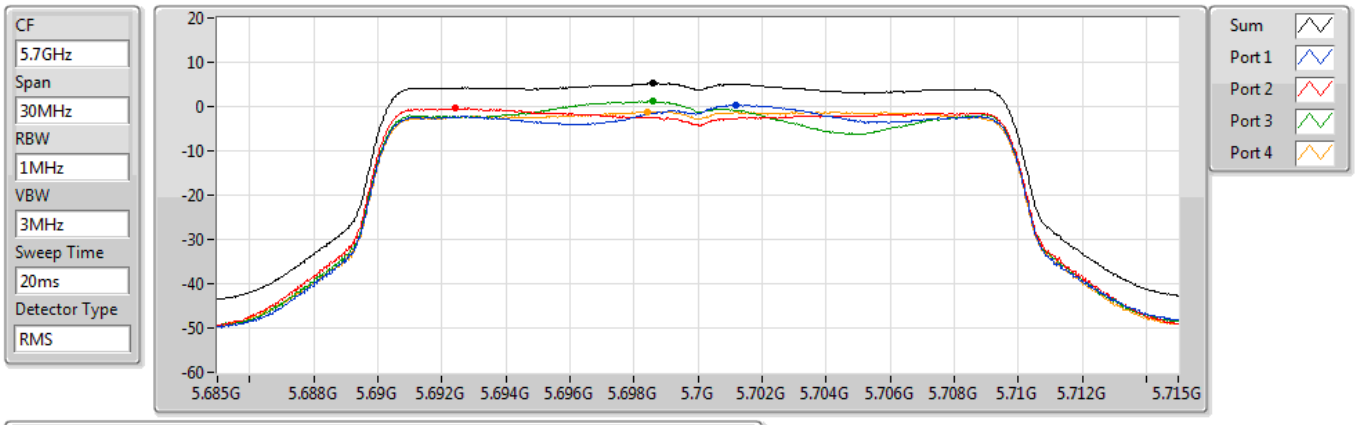


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.54	5.54	-0.04	-0.14	0.80	-0.18

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5700MHz

02/08/2022

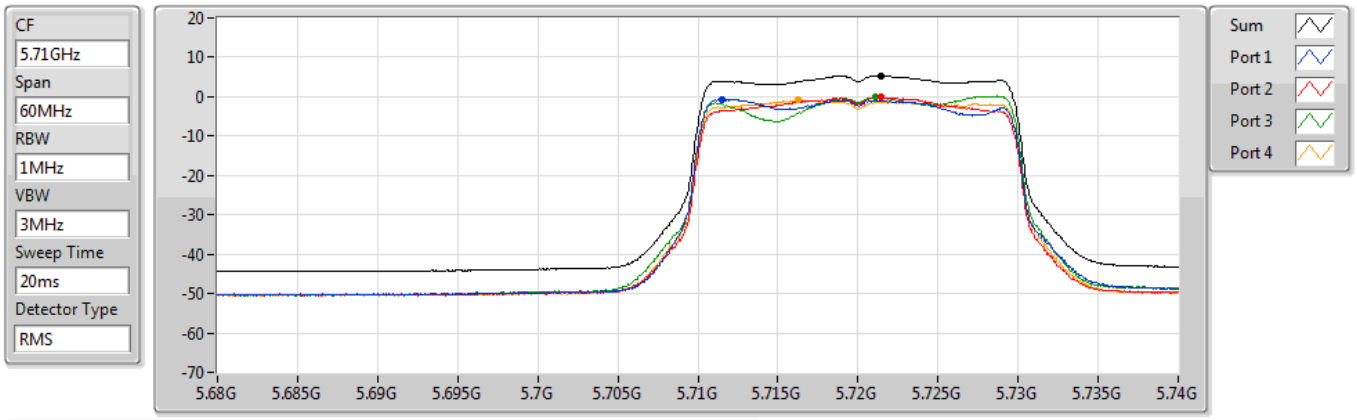


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.24	5.24	0.39	-0.41	1.21	-1.11

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5720MHz Straddle 5.47-5.725GHz

02/08/2022

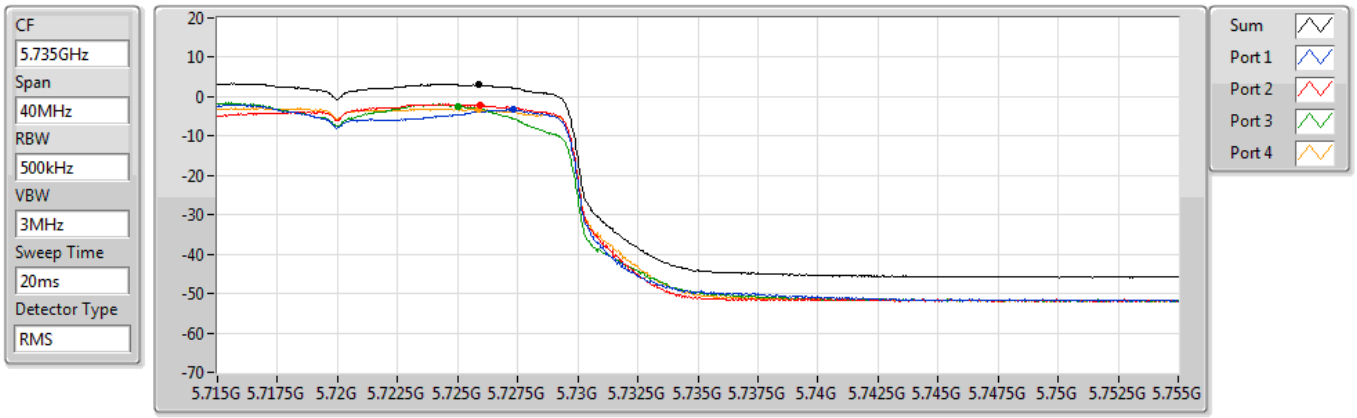


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	-0.69	-0.10	-0.21	-0.90

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5720MHz Straddle 5.725-5.85GHz

02/08/2022

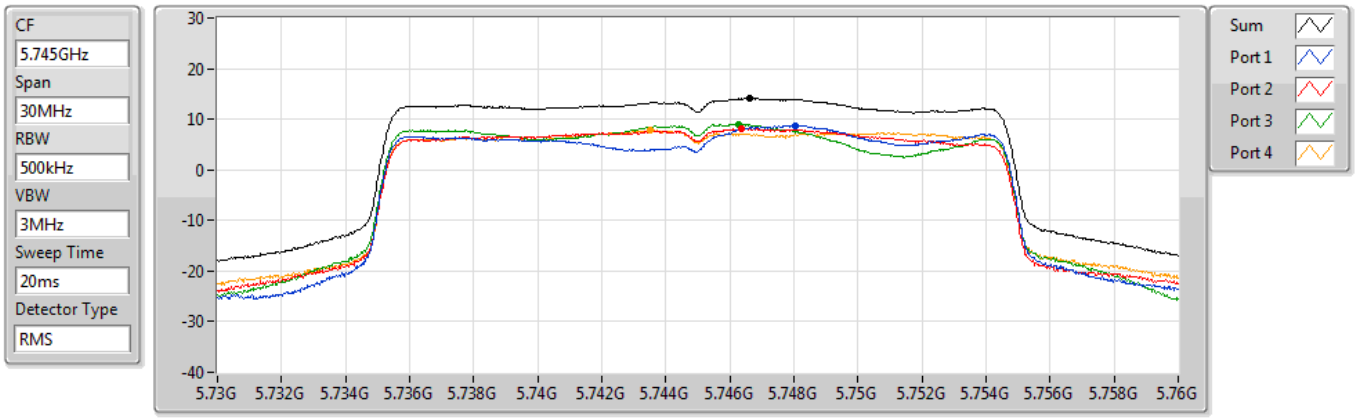


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.99	2.99	-3.24	-2.08	-2.54	-3.23

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5745MHz

09/08/2022

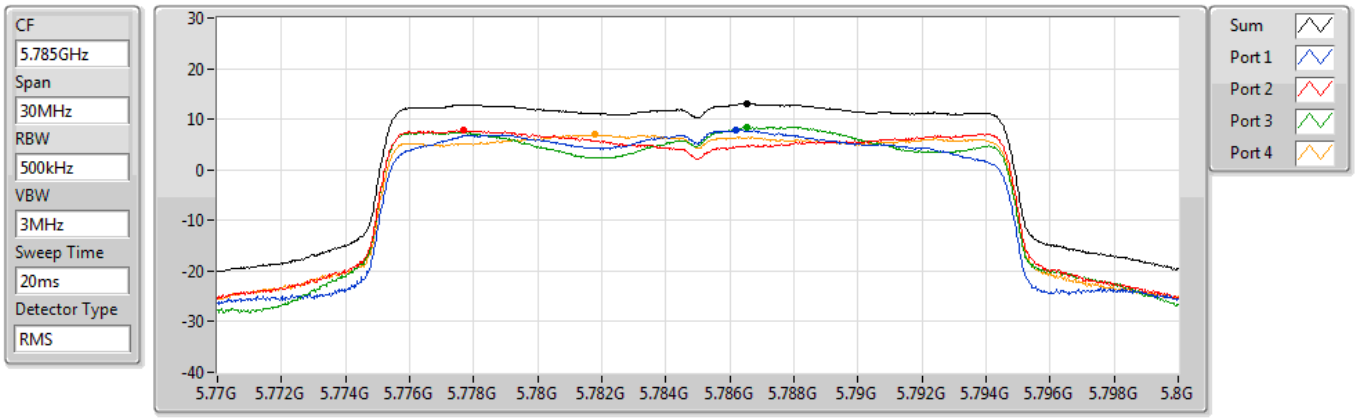


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
14.14	14.14	8.79	8.14	8.99	7.84

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5785MHz

09/08/2022

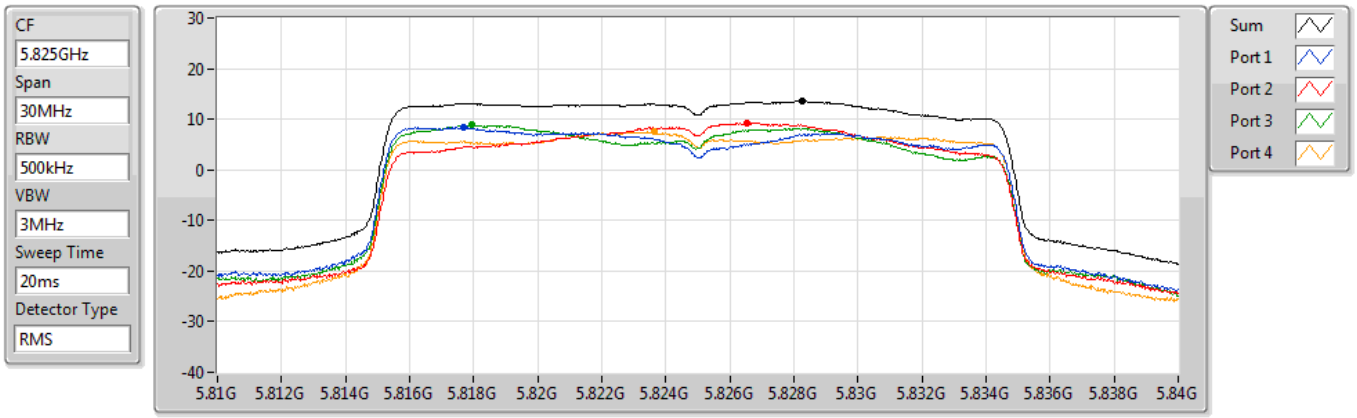


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.00	13.00	7.86	7.81	8.46	6.90

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

5825MHz

09/08/2022

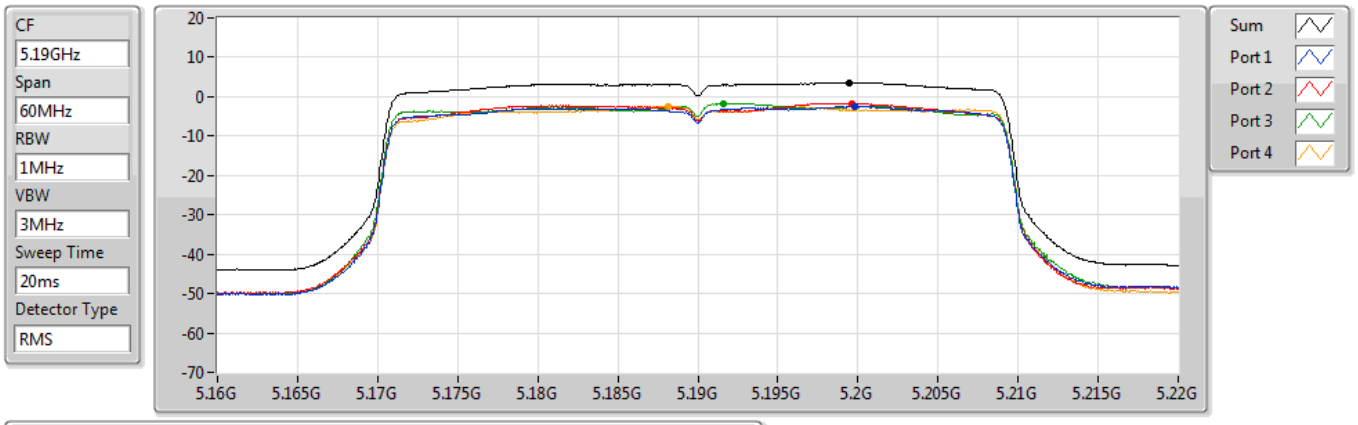


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
13.56	13.56	8.49	9.30	8.88	7.53

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5190MHz

02/08/2022

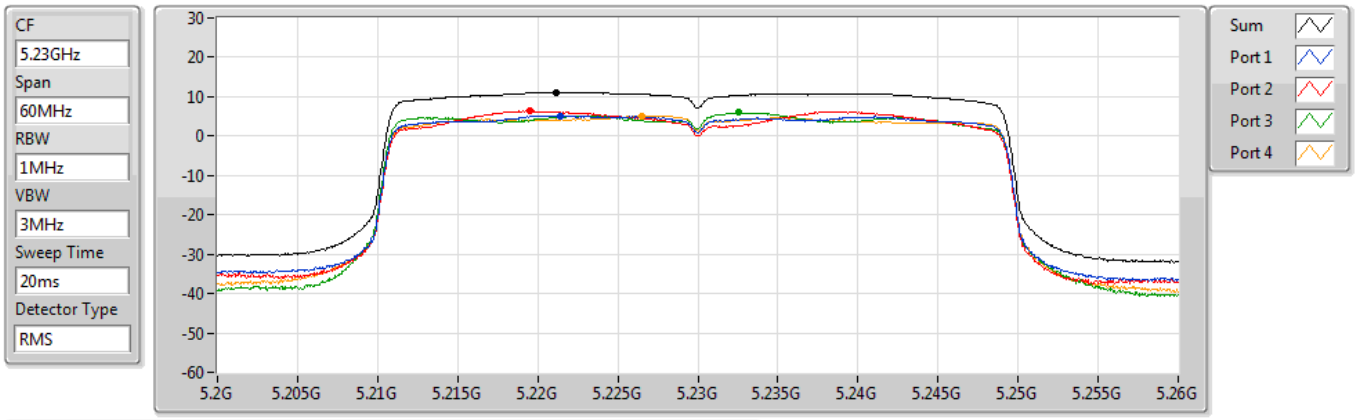


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.53	3.53	-2.46	-1.65	-1.68	-2.35

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5230MHz

09/08/2022

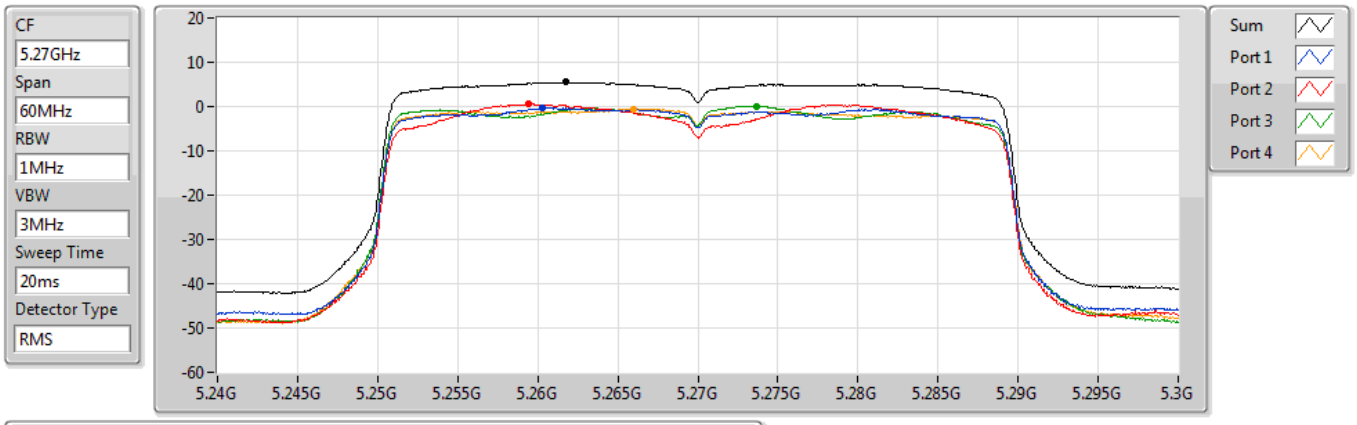


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.11	11.11	5.15	6.41	5.92	5.20

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5270MHz

09/08/2022

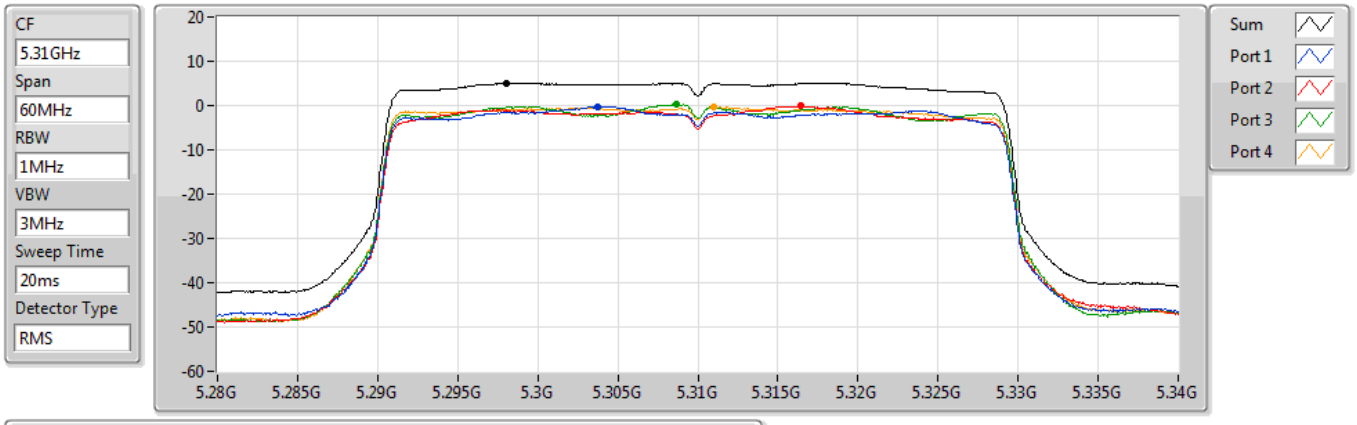


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.49	5.49	-0.32	0.58	0.13	-0.50

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5310MHz

03/08/2022

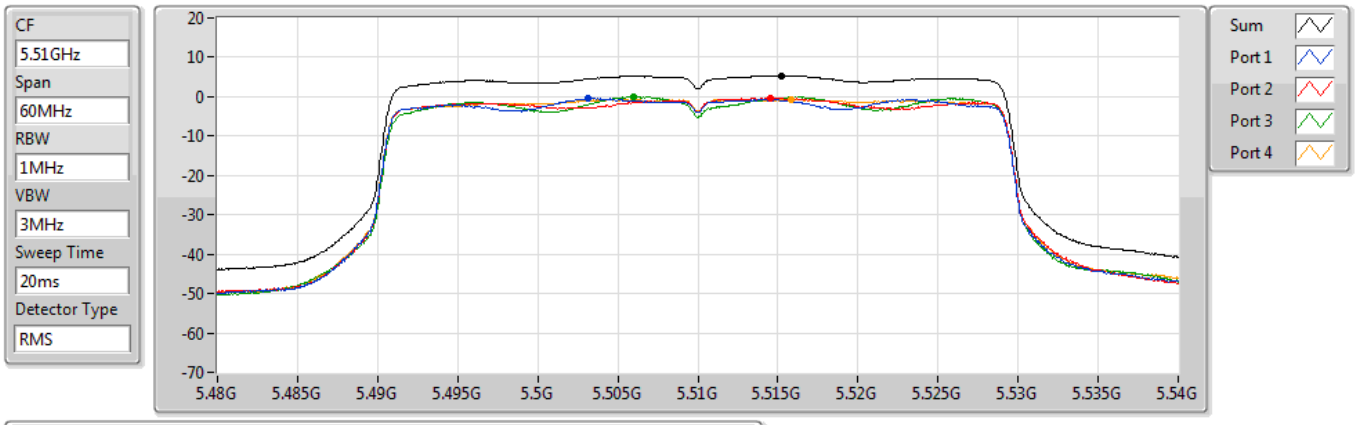


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.05	5.05	-0.26	-0.08	0.31	-0.41

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5510MHz

03/08/2022

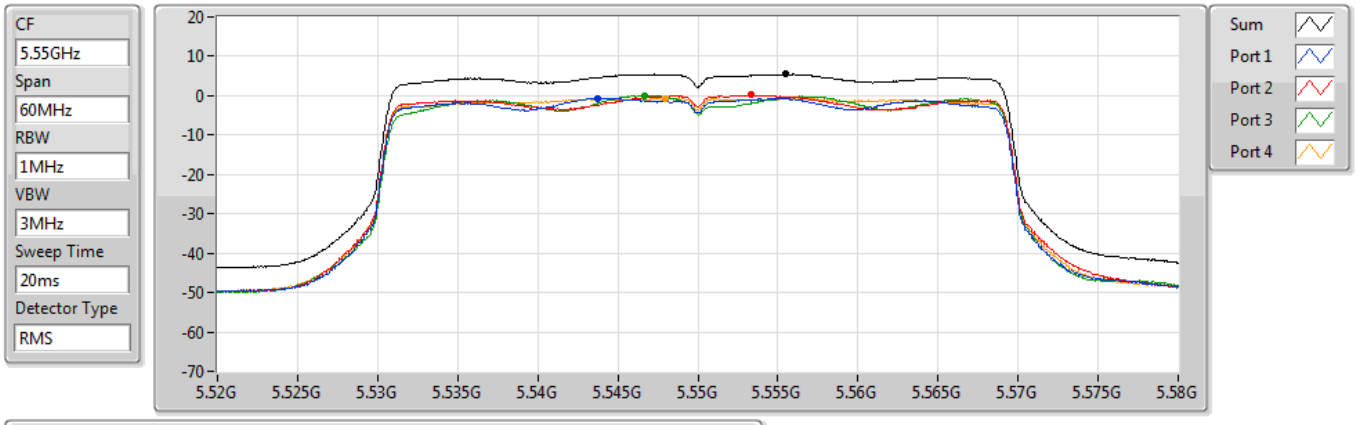


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.39	5.39	-0.41	-0.38	0.04	-0.72

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5550MHz

09/08/2022

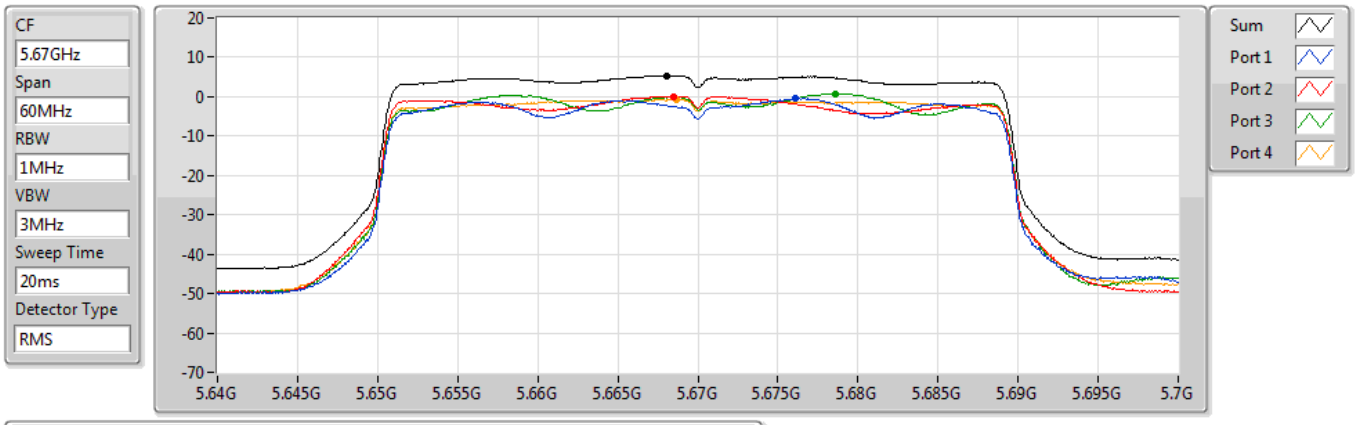


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.44	5.44	-0.58	0.15	0.03	-0.72

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5670MHz

09/08/2022

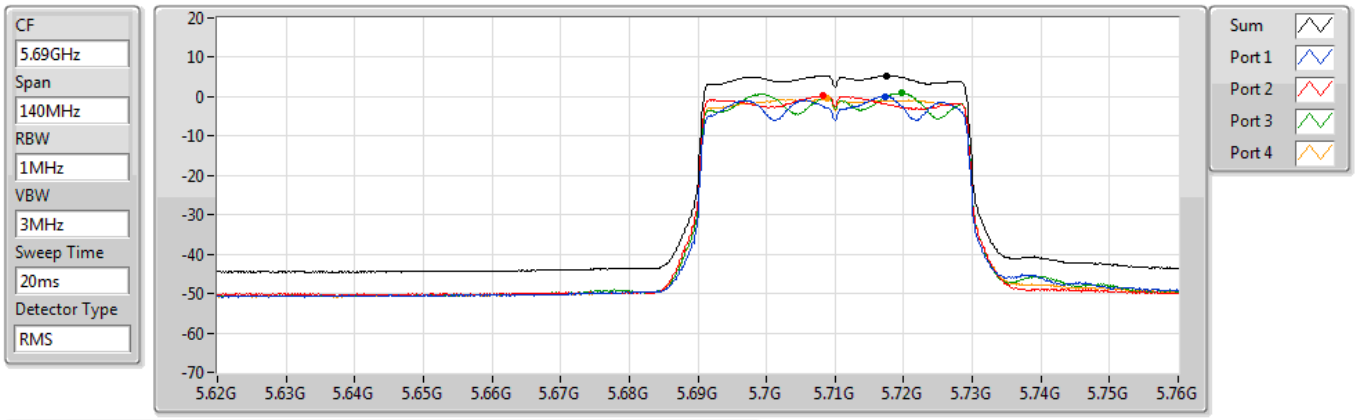


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.33	5.33	-0.45	0.12	0.80	-0.66

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5710MHz Straddle 5.47-5.725GHz

03/08/2022

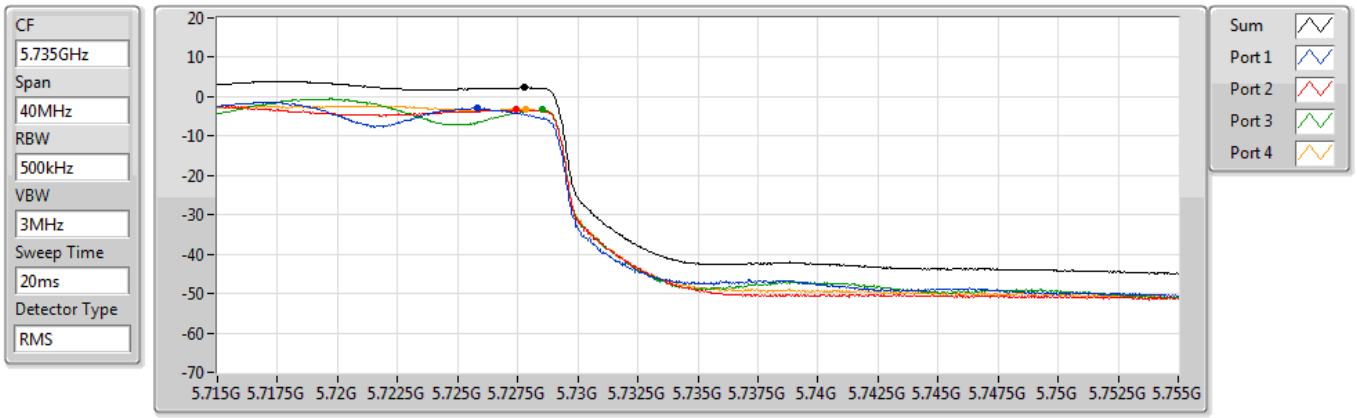


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.41	5.41	0.11	0.25	0.93	-0.38

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5710MHz Straddle 5.725-5.85GHz

03/08/2022

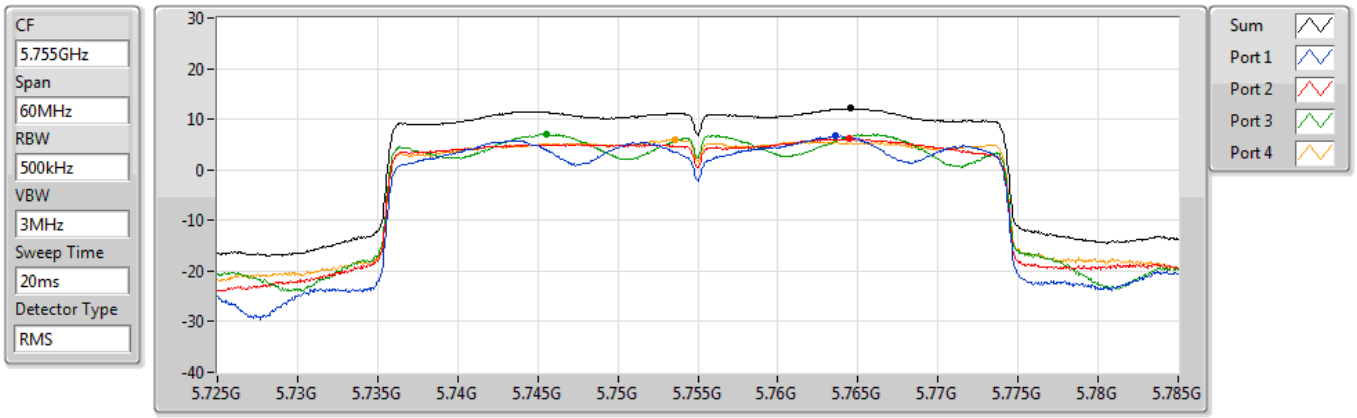


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.32	2.32	-2.93	-3.34	-3.22	-3.05

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5755MHz

03/08/2022

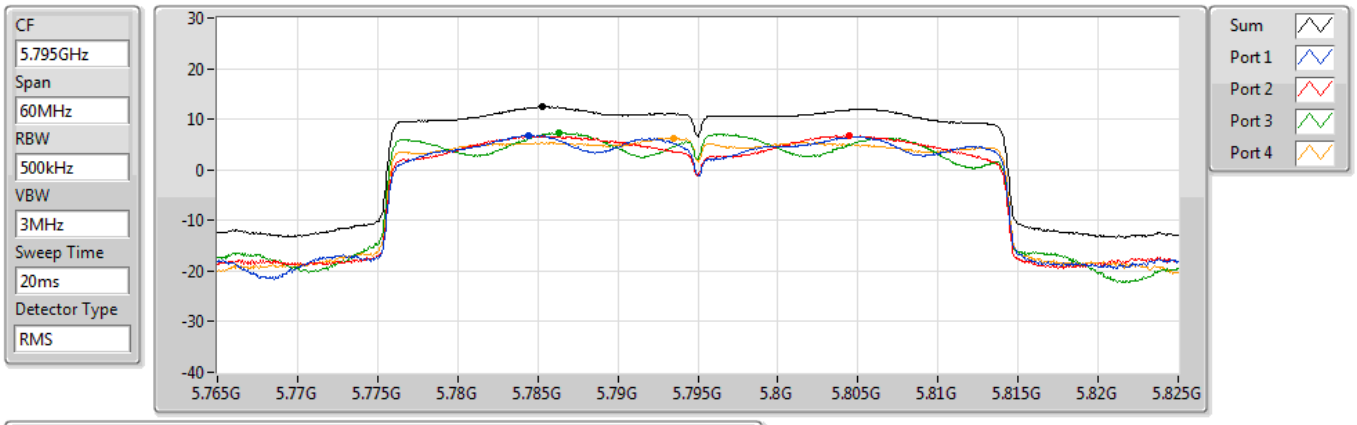


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.12	12.12	6.71	6.14	7.15	6.05

802.11ax HEW40_Nss1,(MCS0)_4TX PSD

5795MHz

03/08/2022

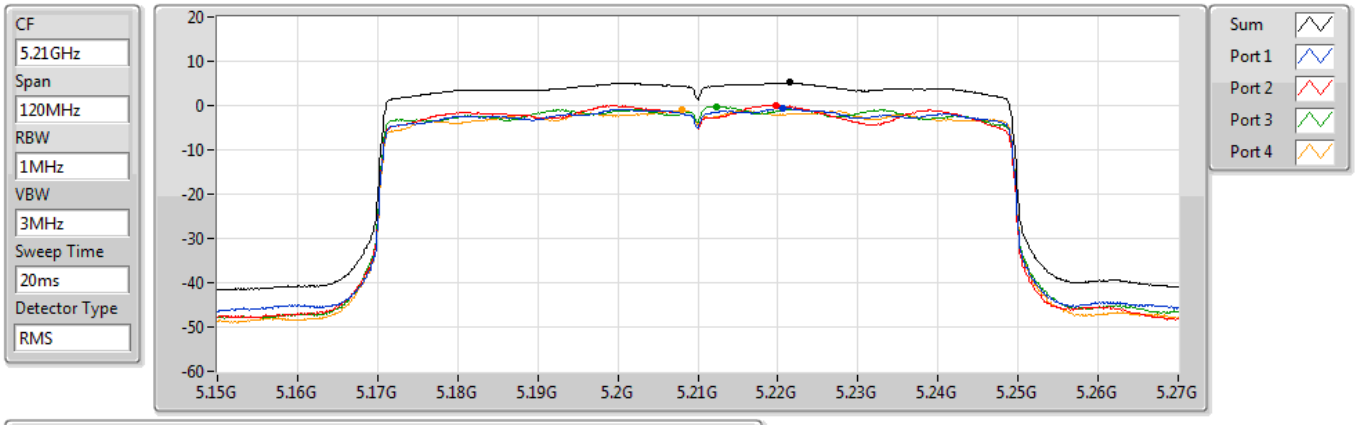


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.48	12.48	6.82	6.74	7.39	6.27

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5210MHz

03/08/2022

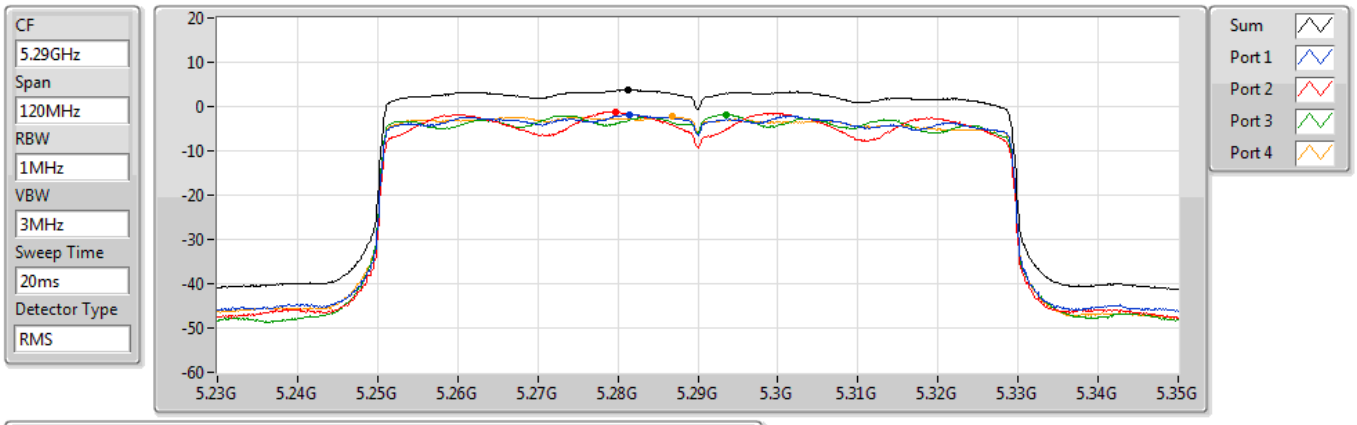


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-0.62	0.15	-0.17	-0.95

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5290MHz

03/08/2022

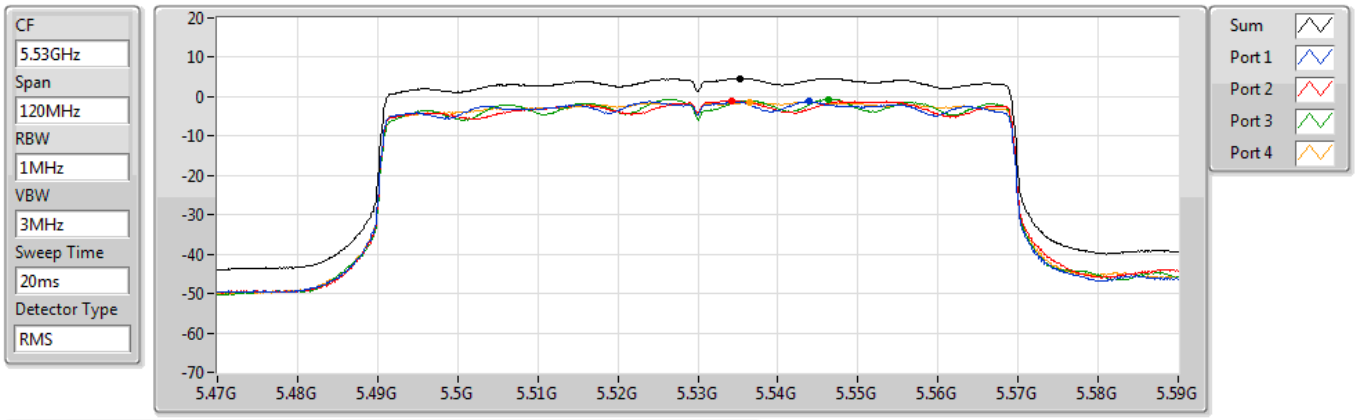


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.74	3.74	-1.82	-1.14	-1.73	-2.25

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5530MHz

03/08/2022

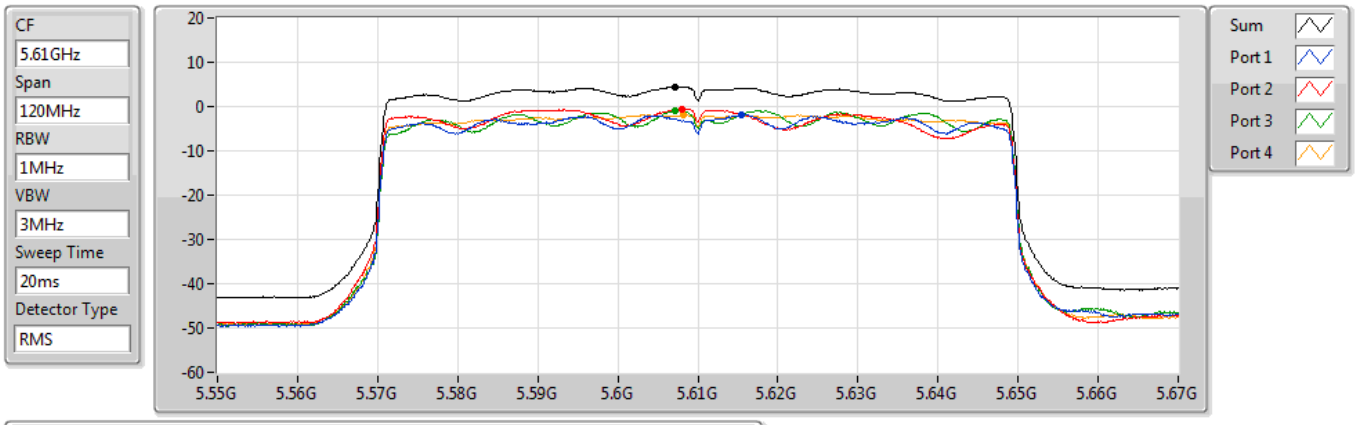


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.67	4.67	-1.16	-1.09	-0.60	-1.36

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5610MHz

09/08/2022

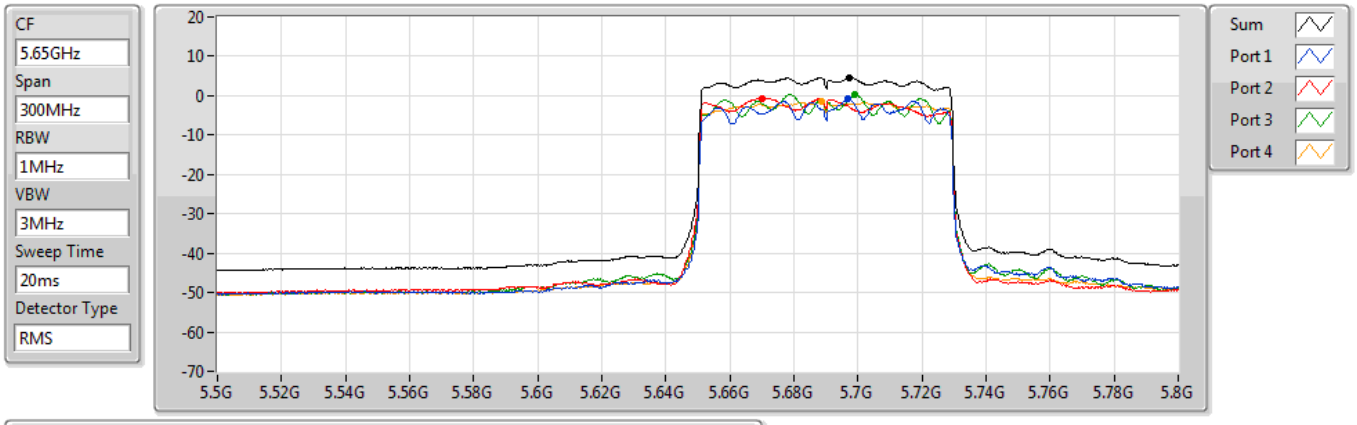


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.44	4.44	-1.83	-0.62	-0.88	-1.85

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5690MHz Straddle 5.47-5.725GHz

09/08/2022

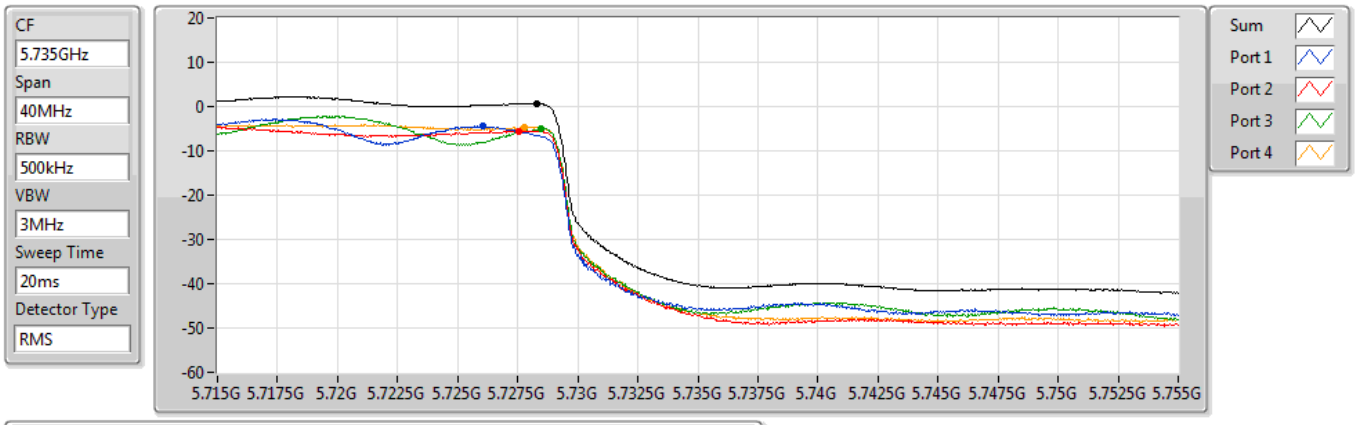


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.49	4.49	-0.88	-0.60	0.27	-1.59

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5690MHz Straddle 5.725-5.85GHz

09/08/2022

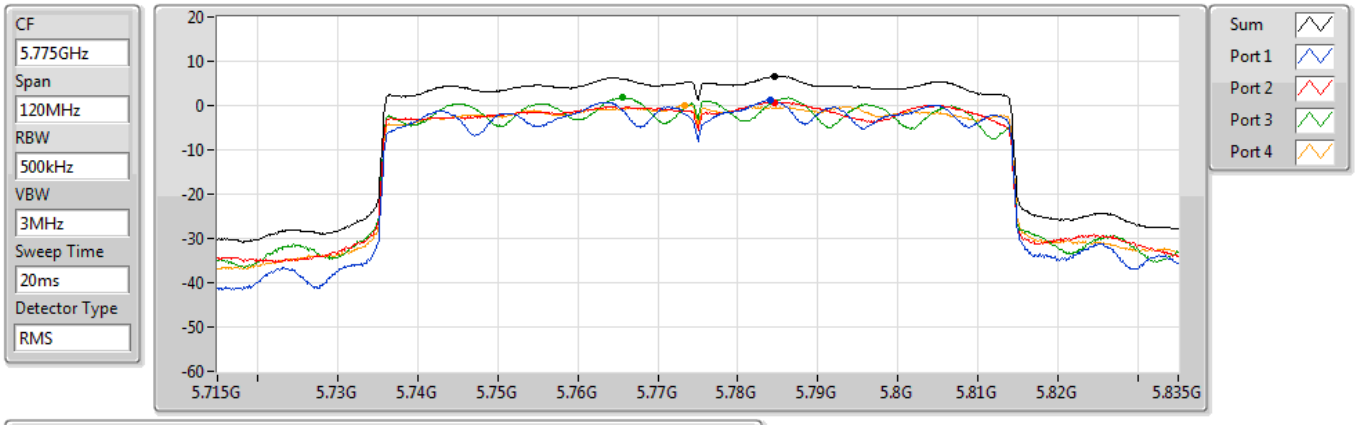


Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.60	0.60	-4.45	-5.57	-4.92	-4.68

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

5775MHz

03/08/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.65	6.65	1.32	0.74	1.83	0.14