

FCC Radio Test Report

FCC ID : H8NMAX2V1K
Equipment : WiFi 6E MDU Router
Model Name : MAX2V1K
Applicant : ASKEY COMPUTER CORPORATION
10F, No.119, Jiankang Rd., Zhonghe Dist., New Taipei City,
Taiwan
Manufacturer : ASKEY COMPUTER CORPORATION
10F, No.119, Jiankang Rd., Zhonghe Dist., New Taipei City,
Taiwan
Standard : 47 CFR FCC Part 15.407

The product was received on Mar. 09, 2023, and testing was started from Mar. 24, 2023 and completed on Apr. 14, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Ben Tesng

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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



Table of Contents

HISTORY OF THIS TEST REPORT	3
SUMMARY OF TEST RESULT	4
1 GENERAL DESCRIPTION	5
1.1 Information.....	5
1.2 Testing Applied Standards	12
1.3 Testing Location Information	12
1.4 Measurement Uncertainty	13
2 TEST CONFIGURATION OF EUT.....	14
2.1 Test Channel Mode	14
2.2 The Worst Case Measurement Configuration	18
2.3 Accessories	19
2.4 Support Equipment.....	19
2.5 Test Setup Diagram	20
3 TRANSMITTER TEST RESULT	23
3.1 AC Power-line Conducted Emissions	23
3.2 Emission Bandwidth	25
3.3 Maximum Conducted Output Power & EIRP	26
3.4 Peak Power Spectral Density & EIRP Power Spectral Density	28
3.5 Unwanted Emissions.....	30
4 TEST EQUIPMENT AND CALIBRATION DATA.....	35
APPENDIX A. TEST RESULTS OF AC POWER-LINE CONDUCTED EMISSIONS	
APPENDIX B. TEST RESULTS OF EMISSION BANDWIDTH	
APPENDIX C. TEST RESULTS OF MAXIMUM CONDUCTED OUTPUT POWER & EIRP	
APPENDIX D. TEST RESULTS OF PEAK POWER SPECTRAL DENSITY & EIRP POWER SPECTRAL DENSITY	
APPENDIX E. TEST RESULTS OF UNWANTED EMISSIONS	
APPENDIX F. TEST RESULTS OF RADIATED EMISSION CO-LOCATION	
APPENDIX G. TEST PHOTOS	
PHOTOGRAPHS OF EUT v01	



History of this test report

TEL : 886-3-3273456
FAX : 886-3-3270973
Report Template No.: HE1-D1 Ver4.5
FCC ID: H8NMAX2V1K



Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Ryan Hsiao

Report Producer: Amber Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5150-5250	a, n (HT20), ac (VHT20), ax (HEW20)	5180-5240	36-48 [4]
5250-5350		5260-5320	52-64 [4]
5470-5725		5500-5700	100-140 [11]
Straddle 5720		5720	144 [1]
5725-5850		5745-5825	149-165 [5]
5850-5895		5845-5885	169-177 [3]
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]
5850-5895		5835-5875	167-175 [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]
5850-5895		5855	171 [1]
5150-5350	ac (VHT160), ax (HEW160)	5250	50 [1]
5470-5725		5570	114 [1]
5850-5895		5815	163 [1]

**5150-5850MHz_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
5.25-5.35GHz	802.11ax HEW80	80	4TX
5.47-5.725GHz	802.11ax HEW80	80	4TX
5.725-5.85GHz	802.11ax HEW80	80	4TX
5.15-5.25GHz	802.11ax HEW160	160	4TX
5.25-5.35GHz	802.11ax HEW160	160	4TX
5.47-5.725GHz	802.11ax HEW160	160	4TX

5150-5850MHz_Beamforming

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



Band	Mode	BWch (MHz)	Nant
5.25-5.35GHz	802.11ax HEW160-BF	160	4TX
5.47-5.725GHz	802.11ax HEW160-BF	160	4TX

5850-5895MHz_Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.85-5.895GHz	802.11a	20	4TX
5.85-5.895GHz	802.11ax HEW20	20	4TX
5.85-5.895GHz	802.11ax HEW40	40	4TX
5.85-5.895GHz	802.11ax HEW80	80	4TX
5.85-5.895GHz	802.11ax HEW160	160	4TX

5850-5895MHz_Beamforming

Band	Mode	BWch (MHz)	Nant
5.85-5.895GHz	802.11ax HEW20-BF	20	4TX
5.85-5.895GHz	802.11ax HEW40-BF	40	4TX
5.85-5.895GHz	802.11ax HEW80-BF	80	4TX
5.85-5.895GHz	802.11ax HEW160-BF	160	4TX

Note:

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

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector	Support
1	adant	STAR4245	PIFA-Like	I-PEX	2.4G
2	adant	STAR4245	PIFA-Like	I-PEX	2.4G
3	adant	STAR4245	PIFA-Like	I-PEX	2.4G
4	adant	STAR4245	PIFA-Like	I-PEX	2.4G
5	adant	STAR4245	PIFA-Like	I-PEX	5G
6	adant	STAR4245	PIFA-Like	I-PEX	5G
7	adant	STAR4245	PIFA-Like	I-PEX	5G
8	adant	STAR4245	PIFA-Like	I-PEX	5G
9	Galtronics	02102475-07795-1	PCB	I-PEX	6G
10	Galtronics	02102475-07795-2	PCB	I-PEX	6G
11	Galtronics	02102475-07795-3	PCB	I-PEX	6G
12	Galtronics	02102475-07795-4	PCB	I-PEX	6G
13	Galtronics	02102073-07795-1	PCB	I-PEX	BT+Thread
14	Galtronics	02102073-07795-2	PCB	I-PEX	Thread

Ant.	Port	Gain (dBi)							
		2.4G	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4	BT	Thread
1	1	4.7	-	-	-	-	-	-	-
2	2	5.8	-	-	-	-	-	-	-
3	3	5.5	-	-	-	-	-	-	-
4	4	4.8	-	-	-	-	-	-	-
5	1	-	5.5	5.5	5.3	4.9	4.9	-	-
6	2	-	5.8	5.8	5.9	5.5	5.5	-	-
7	3	-	5.8	5.8	5.9	5.7	5.7	-	-
8	4	-	5.6	5.6	5.0	5.4	5.4	-	-
Ant.	Port	-	-	U-NII-5	U-NII-6	U-NII-7	U-NII-8		
9	1	-	-	5.555	5.539	5.259	4.785	-	-
10	2	-	-	4.931	4.494	3.604	4.123	-	-
11	3	-	-	5.382	5.247	4.903	4.711	-	-
12	4	-	-	3.534	3.451	4.063	4.325	-	-
13	1	-	-	-	-	-	-	3.355	3.355
14	2	-	-	-	-	-	-	-	4.950

Note 1: The EUT has fourteen 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. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

For 6GHz function:

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

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

For BT function:

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

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

For Thread function:

For IEEE 802.15.4 Thread mode (2TX/2RX)

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

Note 2: Directional gain information

	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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SI}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SI}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SI}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$

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	
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

5150-5850MHz_Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.948	0.23	1.976m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.81	0.92	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.819	0.87	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.818	0.87	5.446m	300
802.11ax HEW160_Nss1,(MCS0)_4TX	0.818	0.87	5.446m	300

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

5150-5850MHz_Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.966	0.15	3.987m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.963	0.16	3.95m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.681	1.67	1.244m	1k
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.47	3.28	864.375u	3k

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

**5850-5895MHz_Non-Beamforming**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11a_Nss1,(6Mbps)_4TX	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.819	0.87	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_4TX	0.817	0.88	5.446m	300
802.11ax HEW80_Nss1,(MCS0)_4TX	0.818	0.87	5.446m	300
802.11ax HEW160_Nss1,(MCS0)_4TX	0.816	0.88	5.446m	300

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

5850-5895MHz_Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq$ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.969	0.14	3.953m	300
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.845	0.73	2.074m	1k
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.574	2.41	1.651m	1k
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.437	3.6	672.813u	3k

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

1.2 Testing Applied Standards

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

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

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

- ◆ KDB 662911 D01 v02r01
- ◆ KDB 414788 D01 v01r01
- ◆ KDB 412172 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	Edward Wang	22.6~23.4°C / 54.7~56.3%	03/Apr/2023
RF Conducted (5150-5850MHz)	TH07-HY	Xie Xun	23.7~24.5°C / 53~57%	30/Mar/2023~13/Apr/2023
RF Conducted (5850-5895MHz)	TH07-HY	Xie Xun	24.1~25.2°C / 56~59%	31/Mar/2023~14/Apr/2023
Radiated (5150-5850MHz)	03CH03-HY	Edward Wang	21.0~22.4°C / 52~56%	24/Mar/2023~04/Apr/2023
Radiated (5850-5895MHz)	03CH03-HY	Edward Wang	20.9~22.8°C / 50~59%	31/Mar/2023~13/Apr/2023
☒ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated (Co-location)	03CH09-HY	Henry Ho	22.2~23.4°C / 50~52%	07/Apr/2023



1.4 Measurement Uncertainty

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

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



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00097.1
-----------------------	--------------------------------------

5150-5850MHz_Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5180MHz	18.5
5200MHz	18.5
5240MHz	18.5
5260MHz	13
5300MHz	13
5320MHz	12.5
5500MHz	13
5580MHz	13.5
5700MHz	12.5
5720MHz Straddle 5.47-5.725GHz	13.5
5720MHz Straddle 5.725-5.85GHz	13.5
5745MHz	20
5785MHz	19.5
5825MHz	19
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5180MHz	18
5200MHz	19.5
5240MHz	19.5
5260MHz	13.5
5300MHz	13.5
5320MHz	13.5
5500MHz	14
5580MHz	14.5
5700MHz	13.5
5720MHz Straddle 5.47-5.725GHz	14
5720MHz Straddle 5.725-5.85GHz	14
5745MHz	19.5
5785MHz	19.5



Mode	Power Setting
5825MHz	18.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5190MHz	15.5
5230MHz	21
5270MHz	15.5
5310MHz	14
5510MHz	16.5
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	16.5
5710MHz Straddle 5.725-5.85GHz	16.5
5755MHz	19.5
5795MHz	21
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5210MHz	14
5290MHz	12
5530MHz	17
5610MHz	18
5690MHz Straddle 5.47-5.725GHz	18.5
5690MHz Straddle 5.725-5.85GHz	18.5
5775MHz	19
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	12
5250MHz Straddle 5.25-5.35GHz	12
5570MHz	15

**5150-5850MHz_Beamforming**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5180MHz	23
5200MHz	23
5240MHz	24
5260MHz	16
5300MHz	16
5320MHz	16
5500MHz	17
5580MHz	17
5700MHz	16
5720MHz Straddle 5.47-5.725GHz	17
5720MHz Straddle 5.725-5.85GHz	17
5745MHz	24
5785MHz	23
5825MHz	23
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5190MHz	20.5
5230MHz	23
5270MHz	16
5310MHz	16
5510MHz	17
5550MHz	17
5670MHz	16
5710MHz Straddle 5.47-5.725GHz	17
5710MHz Straddle 5.725-5.85GHz	17
5755MHz	24
5795MHz	24
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5210MHz	22
5290MHz	16
5530MHz	17
5610MHz	16
5690MHz Straddle 5.47-5.725GHz	17
5690MHz Straddle 5.725-5.85GHz	17



Mode	Power Setting
5775MHz	24
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5250MHz Straddle 5.15-5.25GHz	20
5250MHz Straddle 5.25-5.35GHz	20
5570MHz	18.5

5850-5895MHz_Non-Beamforming

Mode	Power Setting
802.11a_Nss1,(6Mbps)_4TX	-
5845MHz	16
5865MHz	16
5885MHz	16
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5845MHz	16
5865MHz	16
5885MHz	16
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5835MHz	20
5875MHz	18.5
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5855MHz	20
802.11ax HEW160_Nss1,(MCS0)_4TX	-
5815MHz	16.5

5850-5895MHz_Beamforming

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5845MHz	23
5865MHz	22
5885MHz	23
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5835MHz	23
5875MHz	23
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5855MHz	24
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
5815MHz	18

2.2 The Worst Case Measurement Configuration

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

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

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4G+5G+6E+BT
2	2.4G+5G+6E+Thread
Refer to Sporton Test Report No.: FA330713 for Co-location RF Exposure Evaluation and Appendix F for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
PoE	Brand Name	DELTA	Model Name	ADH-45AR N
	Power Rating	I/P: 100 - 240Vac, 1.5A, O/P: 56.0Vdc, 0.805A		

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

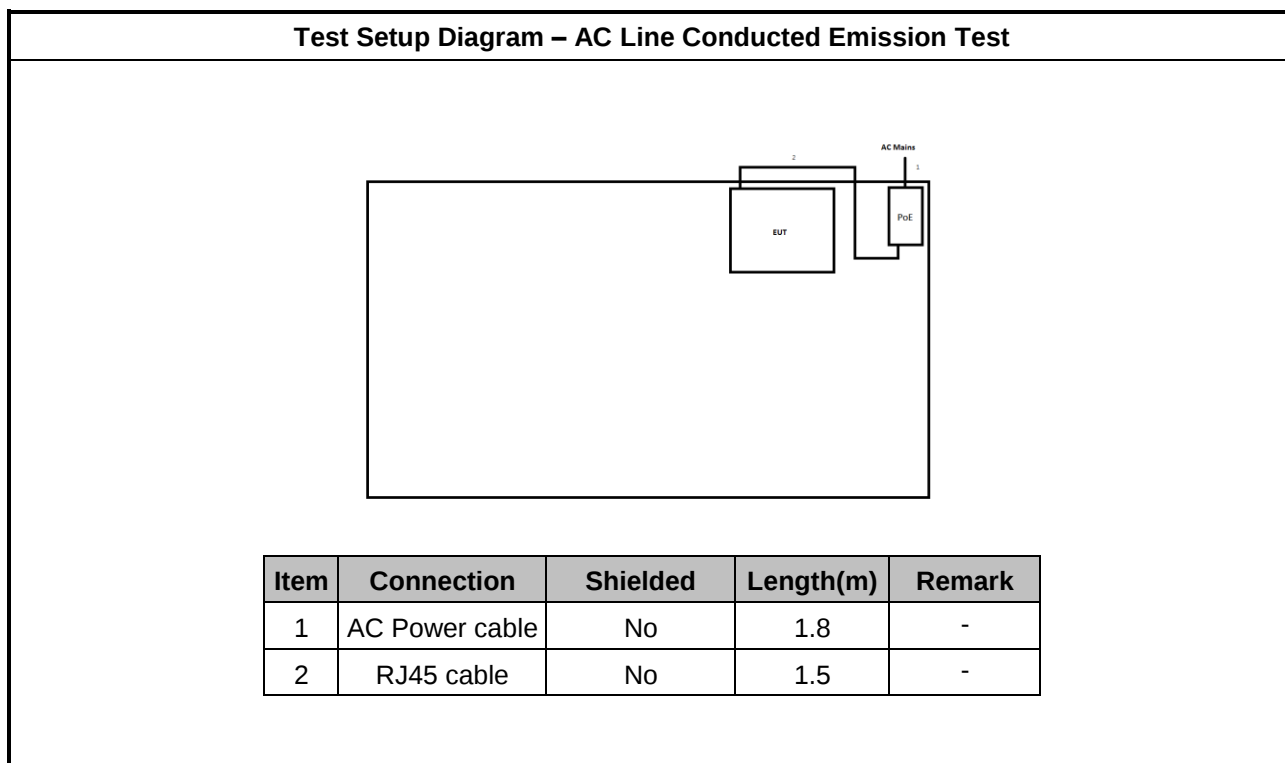
2.4 Support Equipment

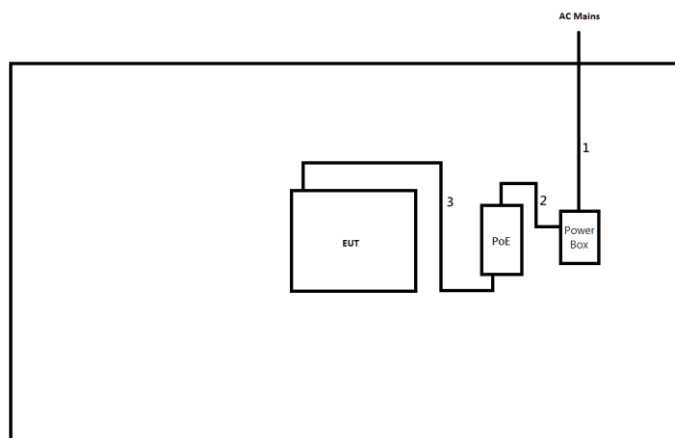
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power sync	CAT-6E-10	-	-
2	AC Power cable	I-SHENG	AC CORD 600mm	-	-
3	RJ45 cable	Power sync	CAT-6E-10	-	-

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

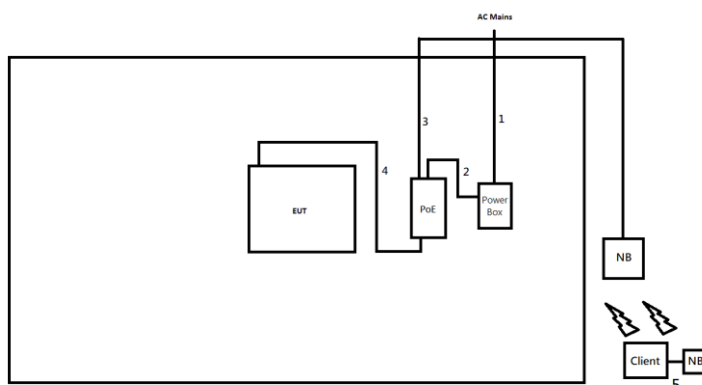
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 cable	Power sync	CAT-6E-10	-	-
2	AC Power cable	I-SHENG	AC CORD 600mm	-	-
3	RJ45 cable	Power sync	CAT-6E-10	-	-
4	Notebook for AP	Dell	P48F	-	Remote
5	Adapter for NB	HP	PPP012L-E	-	Remote
6	Client for BF	Askey	RT5031W-D187-RB-RoHS	-	Remote Provided by Customer
7	Adapter for Client	DELTA	ADH-36LW B	-	Remote Provided by Customer
8	RJ45 cable	Powersync	CAT-6E-10	-	Remote
9	RJ45 cable	Power sync	CAT-6E-10	-	Remote

2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test (Non-Beamforming)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.8	-
3	RJ45 cable	No	1.5	-

Test Setup Diagram - Radiated Test (Beamforming)


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	AC Power cable	No	1.8	-
3	RJ45 cable	No	10.0	-
4	RJ45 cable	No	1.5	-
5	RJ45 cable	No	0.5	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

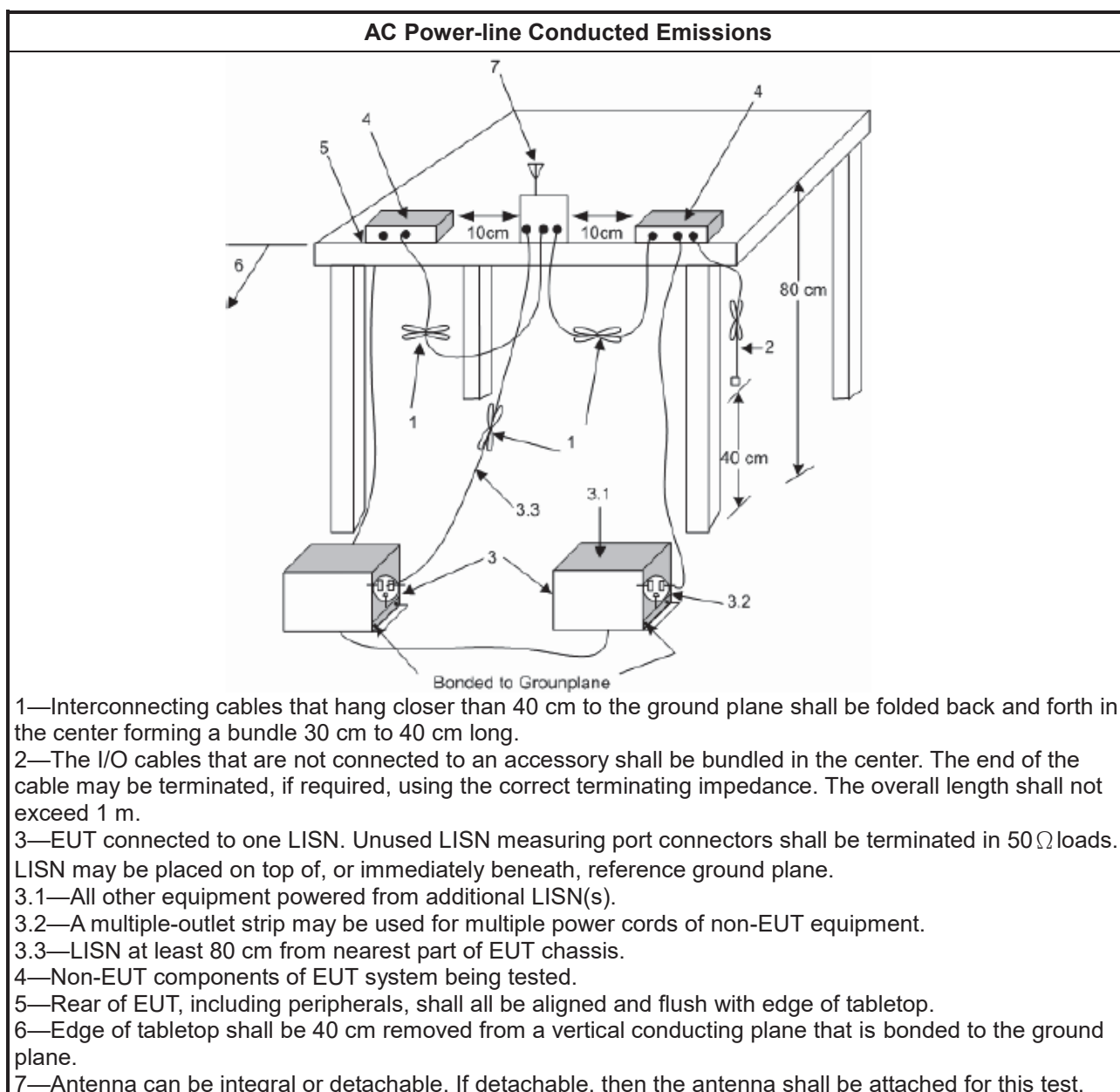
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band, N/A
☒	For the 5.25-5.35 GHz band, N/A
☒	For the 5.47-5.725 GHz band, N/A
☒	For the 5.725-5.85 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.
☒	For the 5.85-5.895 GHz band, 6 dB emission bandwidth $\geq$ 500kHz.

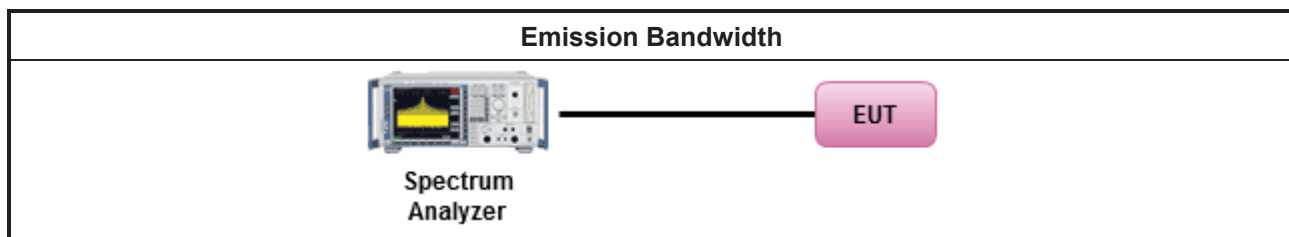
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power & EIRP

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit	
UNII Devices	
☒	For the 5.15-5.25 GHz band:
☐	- Outdoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. e.i.r.p. at any elevation angle above 30 degrees ≤ 125mW [21dBm] - Indoor AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ - Point-to-point AP: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$. - Mobile or Portable Client: the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.25-5.35 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.47-5.725 GHz band, the maximum conducted output power (P_{Out}) shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in MHz. If $G_{TX} > 6$ dBi, then $P_{Out} = 24 - (G_{TX} - 6)$.
☒	For the 5.725-5.85 GHz band:
☐	- Point-to-multipoint systems (P2M): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W. If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$. - Point-to-point systems (P2P): the maximum conducted output power (P_{Out}) shall not exceed the lesser of 1 W.
Maximum EIRP Limit	
☒	For the 5.85-5.895 GHz band:
☐	- Indoor AP & subordinate device < 36 dBm - Client device < 30 dBm
P_{Out} = maximum conducted output power in dBm, G_{TX} = the maximum transmitting antenna directional gain in dBi.	

3.3.2 Measuring Instruments

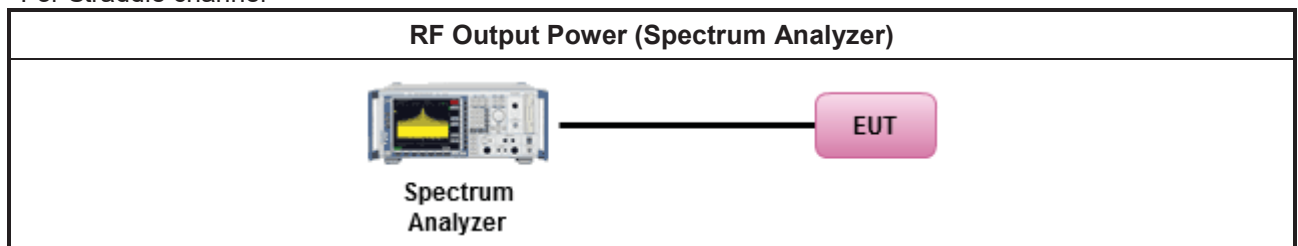
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

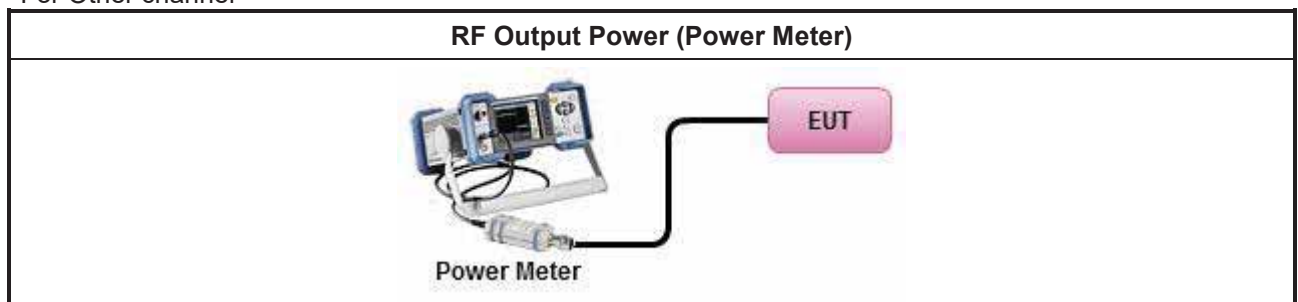
Test Method	
Maximum Conducted Output Power	
	Duty cycle $\geq 98\%$
☐	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle $< 98\%$
☒	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods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

3.3.4 Test Setup

For Straddle channel



For Other channel



3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Peak Power Spectral Density & EIRP 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.
EIRP Power Spectral Density Limit	
☒	For the 5.85-5.895 GHz band:
☐	- Indoor AP & subordinate device < 20dBm/MHz - Client device < 14dBm/MHz
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.	

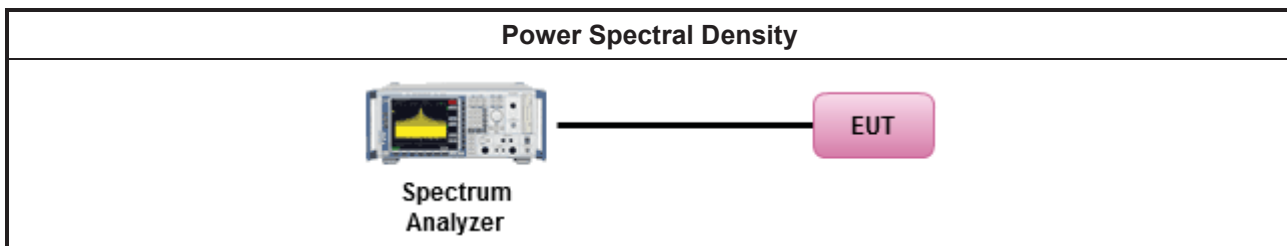
3.4.2 Measuring Instruments

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: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

3.4.4 Test Setup



3.4.5 Test Result of Peak Power Spectral Density

Refer as Appendix D

3.5 Unwanted Emissions

3.5.1 Transmitter Radiated Unwanted Emissions Limit

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

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

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

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

Un-restricted band emissions above 1GHz Limit	
Operating Band	Limit
5.15 - 5.25 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.25 - 5.35 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.47 - 5.725 GHz	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.725 - 5.85 GHz	5.650-5700 GHz: e.i.r.p. -27 ~ 10 dBm [68.2 ~ 105.2 dBuV/m@3m] 5.700-5720 GHz: e.i.r.p. 10 ~ 15.6 dBm [105.2 ~ 110.8 dBuV/m@3m] 5.720-5725 GHz: e.i.r.p. 15.6 ~ 27 dBm [110.8 ~ 122.2 dBuV/m@3m] 5.850-5.855 GHz: e.i.r.p. 27 ~ 15.6 dBm [122.2 ~ 110.8 dBuV/m@3m] 5.855-5.875 GHz: e.i.r.p. 15.6 ~ 10 dBm [110.8 ~ 105.2 dBuV/m@3m] 5.875-5.925 GHz: e.i.r.p. 10 ~ -27 dBm [105.2 ~ 68.2dBuV/m@3m] Other un-restricted band: e.i.r.p. -27 dBm [68.2 dBuV/m@3m]
5.85 - 5.895 GHz	(i) For an indoor access point or subordinate device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of 15 dBm/MHz and shall decrease linearly to an e.i.r.p. of -7 dBm/MHz at or above 5.925 GHz. (ii) For a client device, all emissions at or above 5.895 GHz shall not exceed an e.i.r.p. of -5 dBm/MHz and shall decrease linearly to an e.i.r.p. of -27 dBm/MHz at or above 5.925 GHz.

	(iii) For a client device or indoor access point or subordinate device, all emissions below 5.725 GHz shall not exceed an e.i.r.p. of -27 dBm/MHz at 5.65 GHz increasing linearly to 10 dBm/ MHz at 5.7 GHz, and from 5.7 GHz increasing linearly to a level of 15.6 dBm/MHz at 5.72 GHz, and from 5.72 GHz increasing linearly to a level of 27 dBm/MHz at 5.725 GHz.
Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	

3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

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

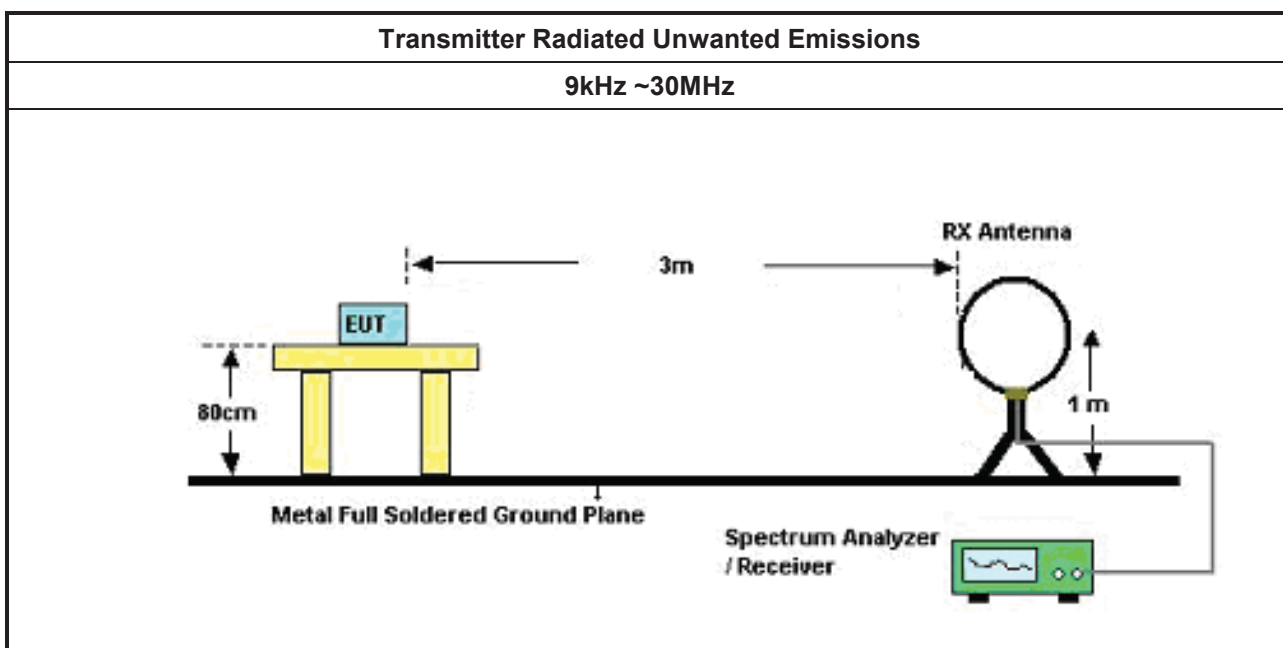
Test Method	
▪	KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
▪	Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
▪	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

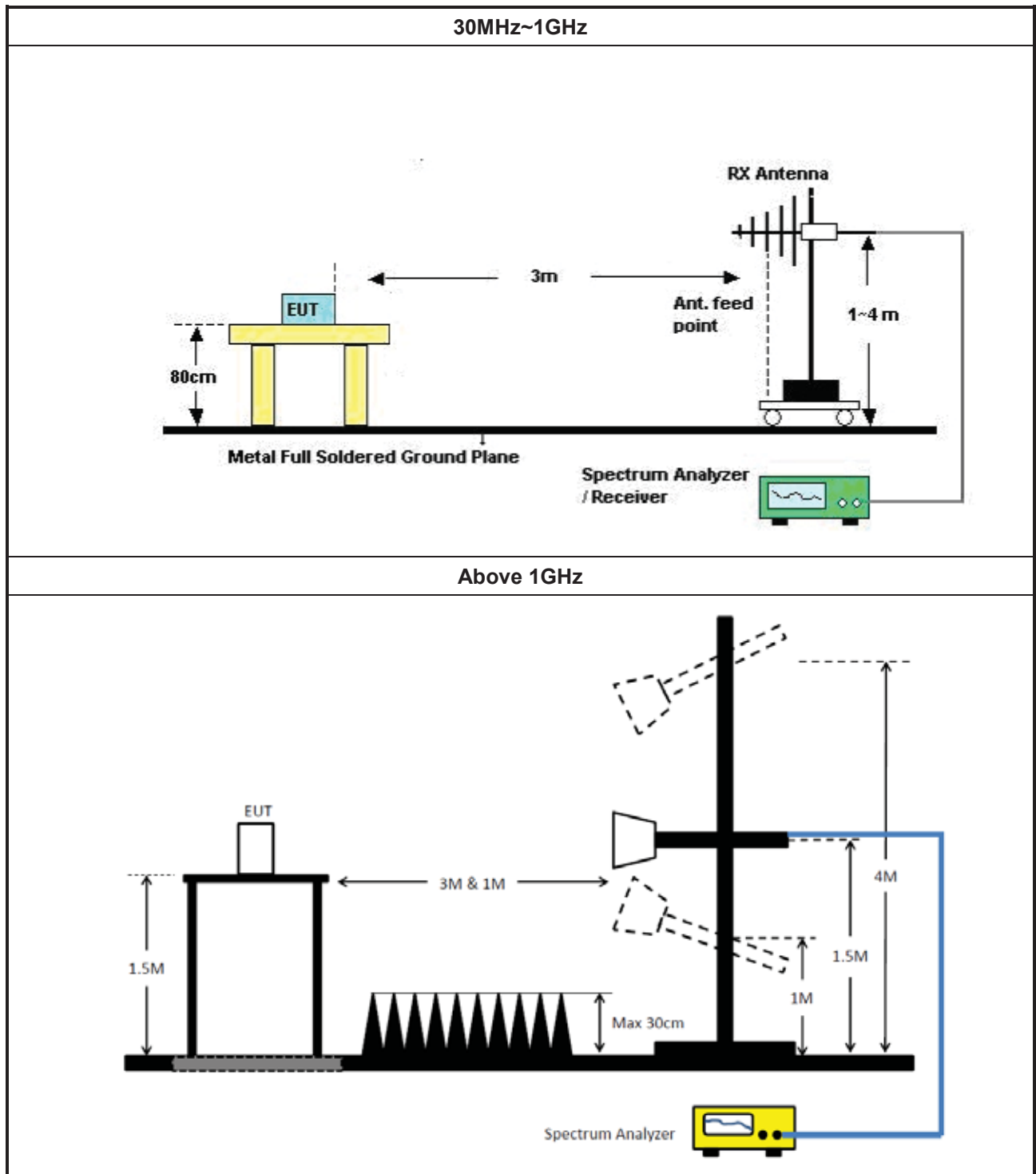
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup







3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	16/Feb/2023	15/Feb/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2023	13/Feb/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15407_NII	Sporton	V5.11.3	N/A	N/A	N/A	N/A

**Instrument for Radiated Test (5150-5850MHz)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	16/Oct/2022	15/Oct/2023
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	23/Mar/2023	22/Mar/2024
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18 GHz ~ 40 GHz	14/May/2022	13/May/2023
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE_15407_NII	Sporton	V5.11	NA	NA	NA	NA

**Instrument for Radiated Test (5850-5895MHz)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	01/Aug/2022	31/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	26/Oct/2022	25/Oct/2023
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	07/Apr/2023	06/Apr/2024
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	16/Oct/2022	15/Oct/2023
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	03CH03-cable-02	30MHz~1GHz	23/Mar/2023	22/Mar/2024
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18 GHz ~ 40 GHz	14/May/2022	13/May/2023
Microwave Premplifier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE_15407_NII	Sporton	V5.11	NA	NA	NA	NA

**Instrument for Radiated Test (Co-location)**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	Riken	SAC-3M	03CH09-HY	1GHz~18GHz 3m	14/Mar/2023	13/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	30/Dec/2022	29/Dec/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	21/Feb/2023	20/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170154	18GHz~40GHz	14/May/2022	13/May/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	Sporton	V5.11.3	NA	NA	NA



**Conducted Emissions at Powerline_
5150-5850(MHz)_Non-Beamforming**

Appendix A.1

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	23.873M	41.08	50.00	-8.92	Line



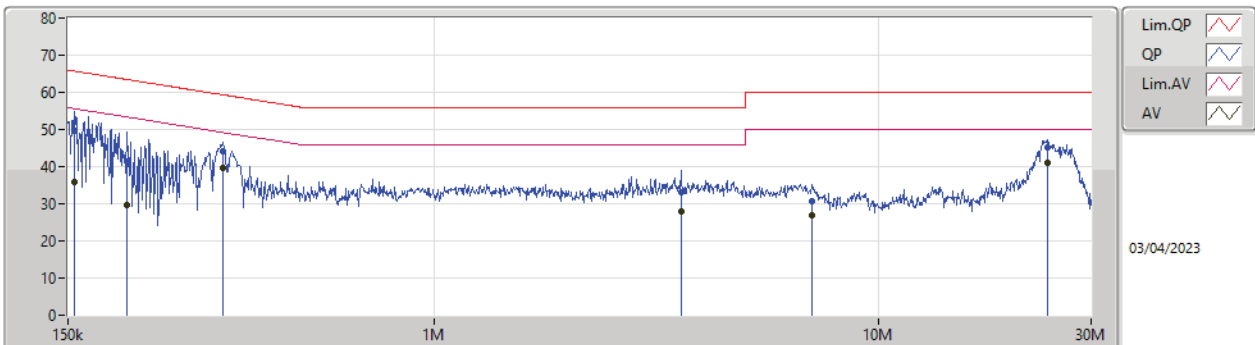
Conducted Emissions at Powerline 5150-5850(MHz) Non-Beamforming

Appendix A.1

Result

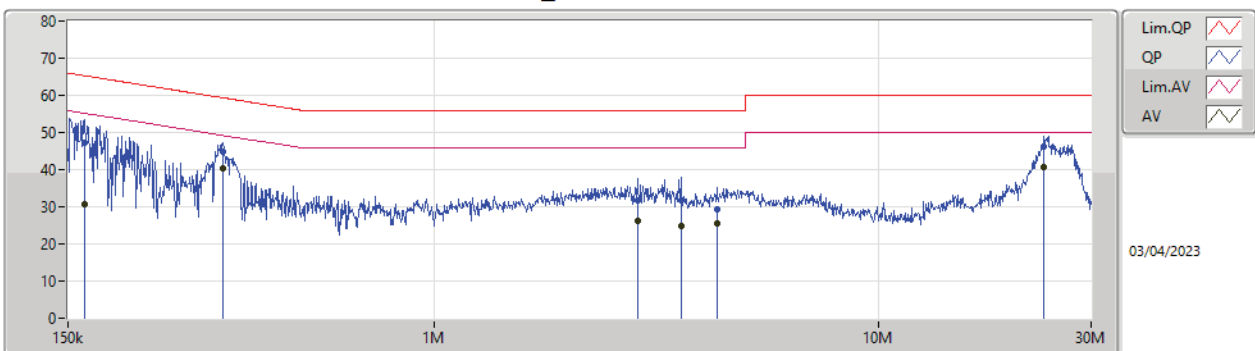
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	154.868k	49.49	65.73	-16.24	Line	-
Mode 1	Pass	AV	154.868k	35.97	55.73	-19.76	Line	-
Mode 1	Pass	QP	203.98k	41.51	63.44	-21.93	Line	-
Mode 1	Pass	AV	203.98k	29.63	53.44	-23.81	Line	-
Mode 1	Pass	QP	334.632k	44.03	59.33	-15.30	Line	-
Mode 1	Pass	AV	334.632k	39.74	49.33	-9.59	Line	-
Mode 1	Pass	QP	3.584M	33.10	56.00	-22.90	Line	-
Mode 1	Pass	AV	3.584M	27.93	46.00	-18.07	Line	-
Mode 1	Pass	QP	7.065M	30.70	60.00	-29.30	Line	-
Mode 1	Pass	AV	7.065M	26.86	50.00	-23.14	Line	-
Mode 1	Pass	QP	23.873M	45.17	60.00	-14.83	Line	-
Mode 1	Pass	AV	23.873M	41.08	50.00	-8.92	Line	-
Mode 1	Pass	QP	163.117k	47.40	65.31	-17.91	Neutral	-
Mode 1	Pass	AV	163.117k	30.62	55.31	-24.69	Neutral	-
Mode 1	Pass	QP	334.632k	44.66	59.33	-14.67	Neutral	-
Mode 1	Pass	AV	334.632k	40.22	49.33	-9.11	Neutral	-
Mode 1	Pass	QP	2.866M	31.64	56.00	-24.36	Neutral	-
Mode 1	Pass	AV	2.866M	26.21	46.00	-19.79	Neutral	-
Mode 1	Pass	QP	3.584M	31.57	56.00	-24.43	Neutral	-
Mode 1	Pass	AV	3.584M	24.92	46.00	-21.08	Neutral	-
Mode 1	Pass	QP	4.324M	29.18	56.00	-26.82	Neutral	-
Mode 1	Pass	AV	4.324M	25.36	46.00	-20.64	Neutral	-
Mode 1	Pass	QP	23.495M	46.17	60.00	-13.83	Neutral	-
Mode 1	Pass	AV	23.495M	40.76	50.00	-9.24	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.868k	49.49	65.73	-16.24	19.61	Line	-	29.88	9.65	0.03	9.93
AV	154.868k	35.97	55.73	-19.76	19.61	Line	-	16.36	9.65	0.03	9.93
QP	203.98k	41.51	63.44	-21.93	19.61	Line	-	21.90	9.65	0.03	9.93
AV	203.98k	29.63	53.44	-23.81	19.61	Line	-	10.02	9.65	0.03	9.93
QP	334.632k	44.03	59.33	-15.30	19.63	Line	-	24.40	9.64	0.04	9.95
AV	334.632k	39.74	49.33	-9.59	19.63	Line	-	20.11	9.64	0.04	9.95
QP	3.584M	33.10	56.00	-22.90	19.75	Line	-	13.35	9.70	0.12	9.93
AV	3.584M	27.93	46.00	-18.07	19.75	Line	-	8.18	9.70	0.12	9.93
QP	7.065M	30.70	60.00	-29.30	19.87	Line	-	10.83	9.76	0.16	9.95
AV	7.065M	26.86	50.00	-23.14	19.87	Line	-	6.99	9.76	0.16	9.95
QP	23.873M	45.17	60.00	-14.83	20.06	Line	-	25.11	9.79	0.30	9.97
AV	23.873M	41.08	50.00	-8.92	20.06	Line	-	21.02	9.79	0.30	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	163.117k	47.40	65.31	-17.91	19.59	Neutral	-	27.81	9.63	0.03	9.93
AV	163.117k	30.62	55.31	-24.69	19.59	Neutral	-	11.03	9.63	0.03	9.93
QP	334.632k	44.66	59.33	-14.67	19.62	Neutral	-	25.04	9.63	0.04	9.95
AV	334.632k	40.22	49.33	-9.11	19.62	Neutral	-	20.60	9.63	0.04	9.95
QP	2.866M	31.64	56.00	-24.36	19.71	Neutral	-	11.93	9.67	0.11	9.93
AV	2.866M	26.21	46.00	-19.79	19.71	Neutral	-	6.50	9.67	0.11	9.93
QP	3.584M	31.57	56.00	-24.43	19.73	Neutral	-	11.84	9.68	0.12	9.93
AV	3.584M	24.92	46.00	-21.08	19.73	Neutral	-	5.19	9.68	0.12	9.93
QP	4.324M	29.18	56.00	-26.82	19.75	Neutral	-	9.43	9.69	0.13	9.93
AV	4.324M	25.36	46.00	-20.64	19.75	Neutral	-	5.61	9.69	0.13	9.93
QP	23.495M	46.17	60.00	-13.83	20.28	Neutral	-	25.89	10.01	0.30	9.97
AV	23.495M	40.76	50.00	-9.24	20.28	Neutral	-	20.48	10.01	0.30	9.97



**Conducted Emissions at Powerline_
5850-5895(MHz) _Non-Beamforming**

Appendix A.2

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	23.873M	41.93	50.00	-8.07	Neutral



**Conducted Emissions at Powerline
5850-5895(MHz) _Non-Beamforming**

Appendix A.2

Result

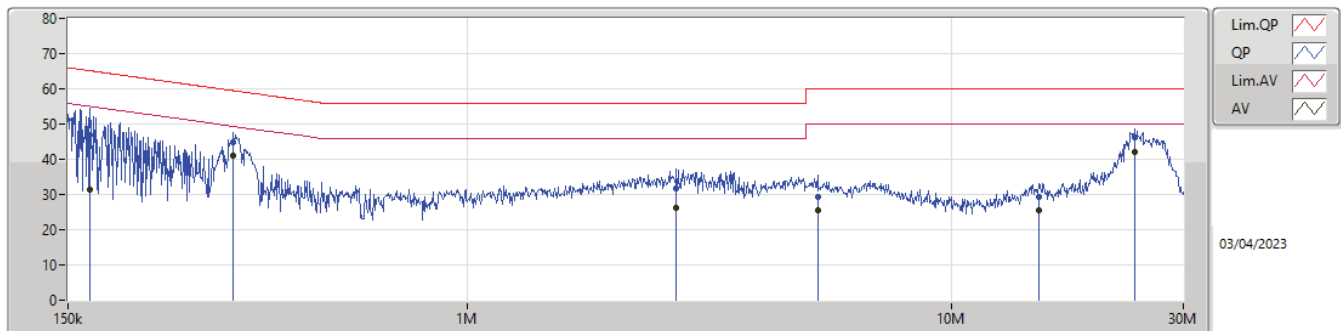
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	155.463k	51.23	65.69	-14.46	Line	-
Mode 1	Pass	AV	155.463k	37.82	55.69	-17.87	Line	-
Mode 1	Pass	QP	181.681k	43.69	64.41	-20.72	Line	-
Mode 1	Pass	AV	181.681k	39.96	54.41	-14.45	Line	-
Mode 1	Pass	QP	308.954k	40.54	60.00	-19.46	Line	-
Mode 1	Pass	AV	308.954k	35.28	50.00	-14.72	Line	-
Mode 1	Pass	QP	3.444M	31.63	56.00	-24.37	Line	-
Mode 1	Pass	AV	3.444M	24.55	46.00	-21.45	Line	-
Mode 1	Pass	QP	6.791M	30.07	60.00	-29.93	Line	-
Mode 1	Pass	AV	6.791M	24.52	50.00	-25.48	Line	-
Mode 1	Pass	QP	24.549M	43.19	60.00	-16.81	Line	-
Mode 1	Pass	AV	24.549M	34.69	50.00	-15.31	Line	-
Mode 1	Pass	QP	166.406k	47.06	65.14	-18.08	Neutral	-
Mode 1	Pass	AV	166.406k	31.28	55.14	-23.86	Neutral	-
Mode 1	Pass	QP	329.331k	44.70	59.46	-14.76	Neutral	-
Mode 1	Pass	AV	329.331k	41.00	49.46	-8.46	Neutral	-
Mode 1	Pass	QP	2.7M	31.65	56.00	-24.35	Neutral	-
Mode 1	Pass	AV	2.7M	26.32	46.00	-19.68	Neutral	-
Mode 1	Pass	QP	5.279M	29.24	60.00	-30.76	Neutral	-
Mode 1	Pass	AV	5.279M	25.51	50.00	-24.49	Neutral	-
Mode 1	Pass	QP	15.084M	29.20	60.00	-30.80	Neutral	-
Mode 1	Pass	AV	15.084M	25.66	50.00	-24.34	Neutral	-
Mode 1	Pass	QP	23.873M	46.09	60.00	-13.91	Neutral	-
Mode 1	Pass	AV	23.873M	41.93	50.00	-8.07	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	155.463k	51.23	65.69	-14.46	19.61	Line	-	31.62	9.65	0.03	9.93
AV	155.463k	37.82	55.69	-17.87	19.61	Line	-	18.21	9.65	0.03	9.93
QP	181.681k	43.69	64.41	-20.72	19.61	Line	-	24.08	9.65	0.03	9.93
AV	181.681k	39.96	54.41	-14.45	19.61	Line	-	20.35	9.65	0.03	9.93
QP	308.954k	40.54	60.00	-19.46	19.63	Line	-	20.91	9.64	0.04	9.95
AV	308.954k	35.28	50.00	-14.72	19.63	Line	-	15.65	9.64	0.04	9.95
QP	3.444M	31.63	56.00	-24.37	19.75	Line	-	11.88	9.70	0.12	9.93
AV	3.444M	24.55	46.00	-21.45	19.75	Line	-	4.80	9.70	0.12	9.93
QP	6.791M	30.07	60.00	-29.93	19.87	Line	-	10.20	9.76	0.16	9.95
AV	6.791M	24.52	50.00	-25.48	19.87	Line	-	4.65	9.76	0.16	9.95
QP	24.549M	43.19	60.00	-16.81	20.06	Line	-	23.13	9.78	0.31	9.97
AV	24.549M	34.69	50.00	-15.31	20.06	Line	-	14.63	9.78	0.31	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	166.406k	47.06	65.14	-18.08	19.59	Neutral	-	27.47	9.63	0.03	9.93
AV	166.406k	31.28	55.14	-23.86	19.59	Neutral	-	11.69	9.63	0.03	9.93
QP	329.331k	44.70	59.46	-14.76	19.62	Neutral	-	25.08	9.63	0.04	9.95
AV	329.331k	41.00	49.46	-8.46	19.62	Neutral	-	21.38	9.63	0.04	9.95
QP	2.7M	31.65	56.00	-24.35	19.71	Neutral	-	11.94	9.67	0.10	9.94
AV	2.7M	26.32	46.00	-19.68	19.71	Neutral	-	6.61	9.67	0.10	9.94
QP	5.279M	29.24	60.00	-30.76	19.81	Neutral	-	9.43	9.72	0.15	9.94
AV	5.279M	25.51	50.00	-24.49	19.81	Neutral	-	5.70	9.72	0.15	9.94
QP	15.084M	29.20	60.00	-30.80	20.10	Neutral	-	9.10	9.89	0.24	9.97
AV	15.084M	25.66	50.00	-24.34	20.10	Neutral	-	5.56	9.89	0.24	9.97
QP	23.873M	46.09	60.00	-13.91	20.28	Neutral	-	25.81	10.01	0.30	9.97
AV	23.873M	41.93	50.00	-8.07	20.28	Neutral	-	21.65	10.01	0.30	9.97

**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.24M	16.36M	16M4D1D	18.7M	16.316M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.725M	18.966M	19M0D1D	20.68M	18.866M
802.11ax HEW40_Nss1,(MCS0)_4TX	72.82M	38.331M	38M3D1D	40.15M	37.631M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.5M	77.061M	77M1D1D	82.06M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.52M	77.241M	77M2D1D	80.8M	77.081M
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.085M	16.338M	16M3D1D	18.535M	16.294M
802.11ax HEW20_Nss1,(MCS0)_4TX	20.845M	18.891M	18M9D1D	20.515M	18.841M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.81M	37.731M	37M7D1D	40.15M	37.581M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.28M	77.261M	77M3D1D	81.84M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	81.84M	77.321M	77M3D1D	80.96M	77.241M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	19.085M	16.36M	16M4D1D	14.13M	13.163M
802.11ax HEW20_Nss1,(MCS0)_4TX	20.845M	18.891M	18M9D1D	15.315M	14.408M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.59M	37.731M	37M7D1D	34.895M	33.653M
802.11ax HEW80_Nss1,(MCS0)_4TX	107.025M	77.461M	77M5D1D	76.5M	73.088M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.88M	155.122M	155MD1D	164.56M	154.723M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.28M	16.712M	16M7D1D	3.12M	3.398M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.975M	19.04M	19M0D1D	4.42M	4.538M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.95M	57.335M	57M3D1D	4M	4.118M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.22M	77.661M	77M7D1D	4M	25.967M

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	19.635M	16.36M	19.855M	16.338M	20.24M	16.36M	19.525M	16.36M
5200MHz	Pass	Inf	19.965M	16.36M	19.8M	16.36M	19.69M	16.36M	18.975M	16.338M
5240MHz	Pass	Inf	19.58M	16.338M	18.7M	16.316M	18.975M	16.338M	19.195M	16.338M
5260MHz	Pass	Inf	18.755M	16.316M	18.81M	16.316M	18.975M	16.316M	19.03M	16.338M
5300MHz	Pass	Inf	18.755M	16.316M	18.535M	16.294M	18.975M	16.338M	18.975M	16.338M
5320MHz	Pass	Inf	18.755M	16.316M	18.755M	16.294M	18.92M	16.338M	19.085M	16.338M
5500MHz	Pass	Inf	18.7M	16.316M	18.59M	16.316M	18.92M	16.316M	18.975M	16.338M
5580MHz	Pass	Inf	18.755M	16.316M	18.81M	16.36M	18.92M	16.294M	19.085M	16.338M
5700MHz	Pass	Inf	18.865M	16.338M	19.03M	16.338M	19.03M	16.316M	18.975M	16.316M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	14.13M	13.163M	14.13M	13.163M	14.16M	13.163M	14.19M	13.178M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.14M	3.418M	3.14M	3.418M	3.12M	3.398M	3.14M	3.398M
5745MHz	Pass	500k	15.84M	16.602M	15.675M	16.646M	15.785M	16.514M	16.28M	16.448M
5785MHz	Pass	500k	16.005M	16.536M	15.895M	16.712M	16.005M	16.448M	16.005M	16.558M
5825MHz	Pass	500k	16.28M	16.426M	15.785M	16.36M	16.28M	16.382M	16.28M	16.47M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	20.735M	18.891M	21.065M	18.916M	20.79M	18.866M	20.9M	18.866M
5200MHz	Pass	Inf	20.9M	18.916M	21.56M	18.966M	21.725M	18.941M	20.735M	18.891M
5240MHz	Pass	Inf	20.845M	18.891M	21.285M	18.941M	21.395M	18.891M	20.68M	18.866M
5260MHz	Pass	Inf	20.57M	18.866M	20.625M	18.891M	20.735M	18.866M	20.735M	18.866M
5300MHz	Pass	Inf	20.845M	18.866M	20.735M	18.891M	20.515M	18.841M	20.845M	18.866M
5320MHz	Pass	Inf	20.68M	18.866M	20.845M	18.866M	20.68M	18.866M	20.735M	18.841M
5500MHz	Pass	Inf	20.845M	18.866M	20.625M	18.866M	20.515M	18.841M	20.515M	18.866M
5580MHz	Pass	Inf	20.68M	18.841M	20.845M	18.891M	20.735M	18.841M	20.57M	18.866M
5700MHz	Pass	Inf	20.79M	18.866M	20.625M	18.816M	20.845M	18.866M	20.515M	18.866M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.42M	14.423M	15.465M	14.423M	15.51M	14.408M	15.315M	14.408M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.44M	4.538M	4.46M	4.538M	4.46M	4.558M	4.42M	4.558M
5745MHz	Pass	500k	18.26M	18.916M	18.59M	18.941M	18.535M	18.941M	18.7M	18.916M
5785MHz	Pass	500k	18.92M	18.966M	18.975M	19.04M	18.7M	18.966M	18.48M	18.991M
5825MHz	Pass	500k	18.48M	18.916M	18.37M	18.891M	18.7M	18.916M	18.81M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	40.26M	37.631M	40.59M	37.681M	40.48M	37.631M	40.15M	37.731M
5230MHz	Pass	Inf	72.38M	38.081M	72.82M	38.331M	65.12M	38.181M	59.73M	38.031M
5270MHz	Pass	Inf	40.26M	37.631M	40.81M	37.681M	40.26M	37.681M	40.37M	37.731M
5310MHz	Pass	Inf	40.37M	37.581M	40.48M	37.681M	40.48M	37.631M	40.15M	37.681M
5510MHz	Pass	Inf	40.26M	37.631M	40.48M	37.631M	40.26M	37.681M	40.37M	37.631M
5550MHz	Pass	Inf	40.37M	37.631M	40.37M	37.631M	40.59M	37.731M	40.26M	37.631M
5670MHz	Pass	Inf	40.37M	37.681M	40.37M	37.681M	40.48M	37.731M	40.26M	37.631M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.175M	33.688M	35.105M	33.653M	35M	33.688M	34.895M	33.653M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.258M	4.1M	4.238M	4.06M	4.238M	4M	4.118M
5755MHz	Pass	500k	37.29M	37.931M	35.42M	37.981M	37.95M	37.881M	37.29M	37.831M
5795MHz	Pass	500k	37.62M	42.195M	37.4M	54.827M	37.73M	48.264M	37.95M	57.335M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.28M	77.061M	82.28M	77.061M	82.5M	77.061M	82.06M	77.061M
5290MHz	Pass	Inf	81.84M	77.161M	82.06M	77.261M	81.84M	77.161M	82.28M	77.061M
5530MHz	Pass	Inf	82.28M	76.962M	81.84M	76.862M	81.84M	77.061M	81.84M	76.962M
5610MHz	Pass	Inf	96.8M	77.461M	83.38M	77.161M	84.04M	77.461M	82.5M	77.061M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	94.35M	73.313M	94.65M	73.463M	107.025M	73.388M	76.5M	73.088M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	33.903M	4.04M	32.824M	4M	33.863M	4.1M	25.967M
5775MHz	Pass	500k	76.12M	77.661M	76.34M	77.661M	77.22M	77.661M	77M	77.561M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.52M	77.161M	80.88M	77.081M	81.04M	77.161M	80.8M	77.241M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	80.96M	77.241M	81.84M	77.321M	81.44M	77.321M	81.52M	77.321M
5570MHz	Pass	Inf	165.88M	155.122M	164.56M	154.723M	164.56M	155.122M	165M	154.723M



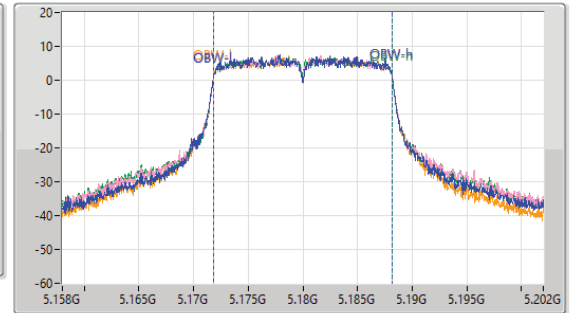
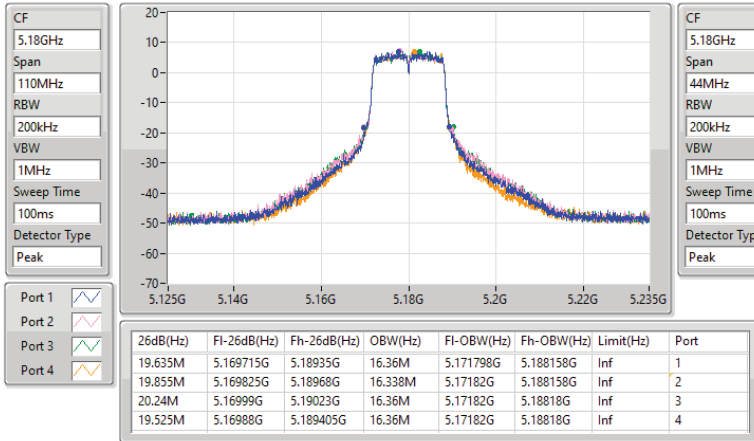
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5180MHz

30/03/2023

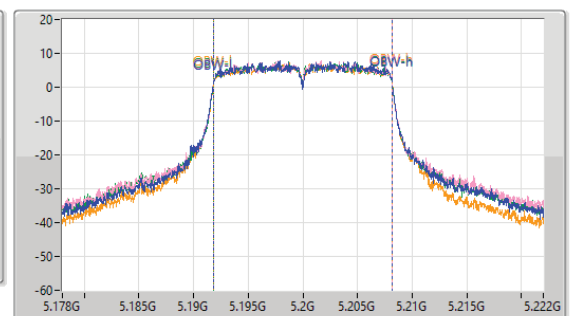
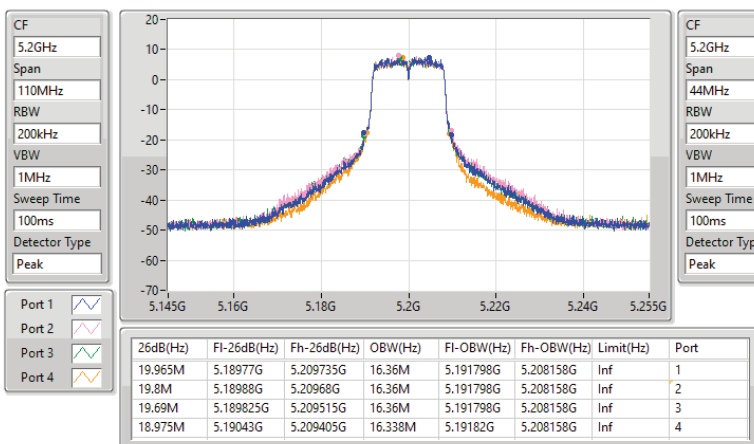


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5200MHz

30/03/2023



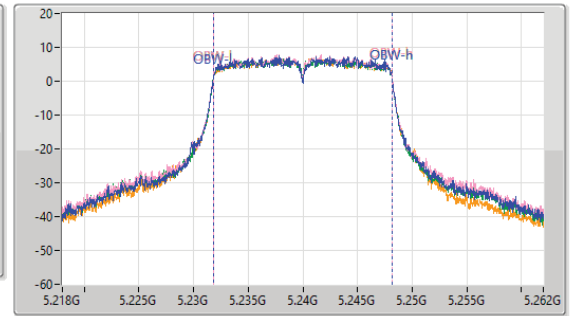
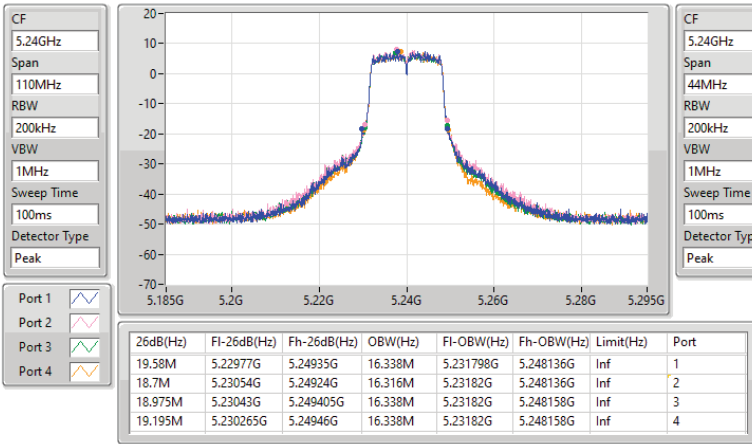


5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5240MHz

30/03/2023

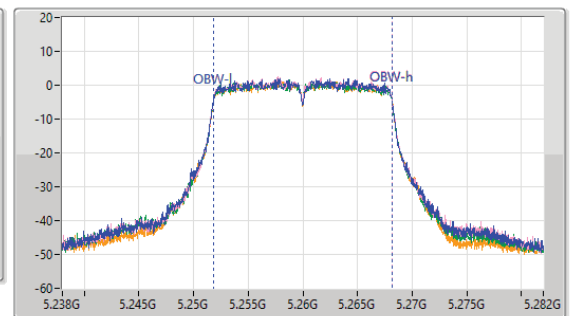
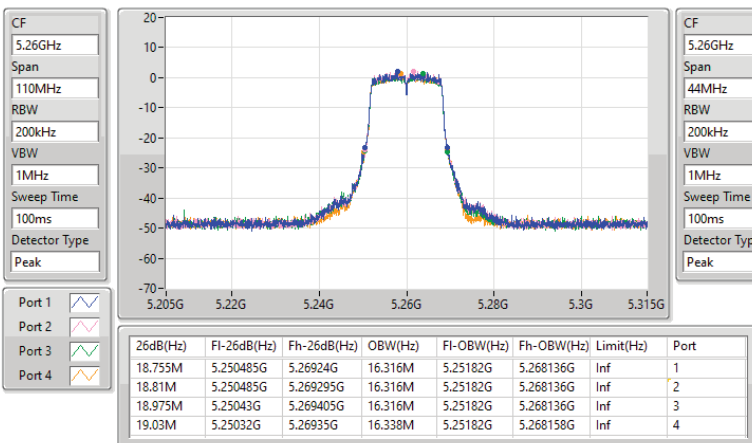


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5260MHz

30/03/2023

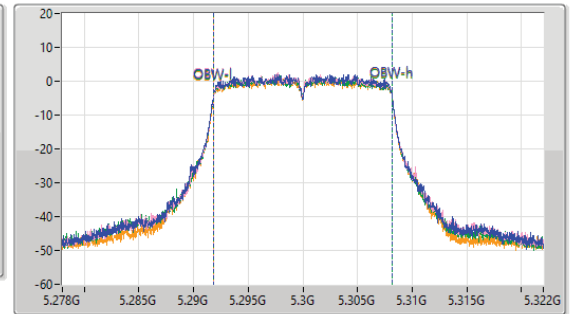
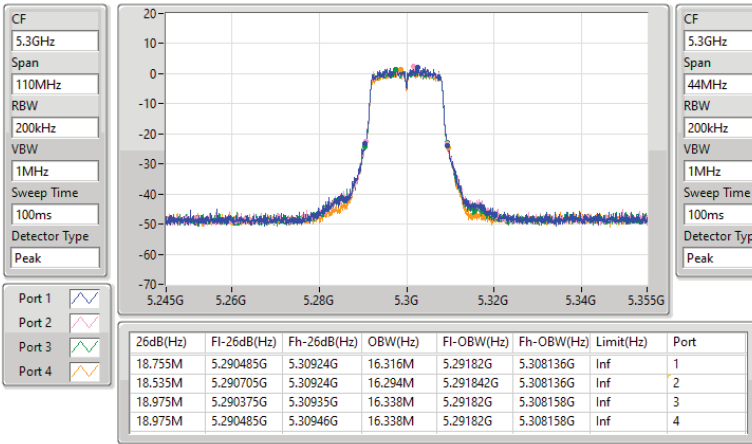


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5300MHz

30/03/2023

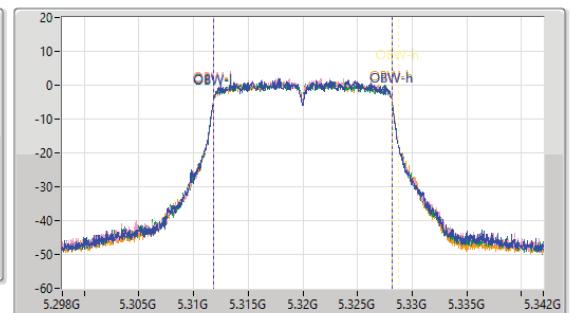
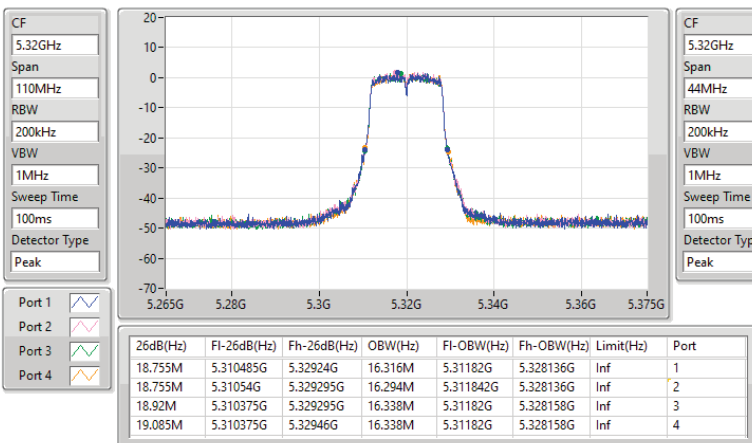


5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5320MHz

30/03/2023

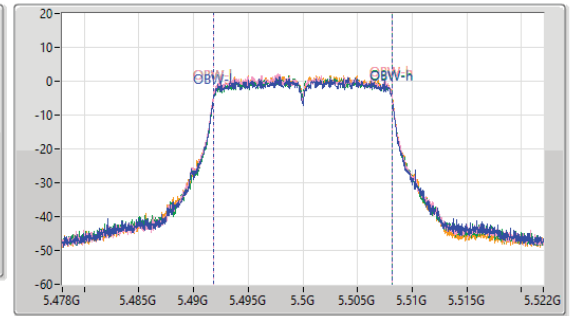
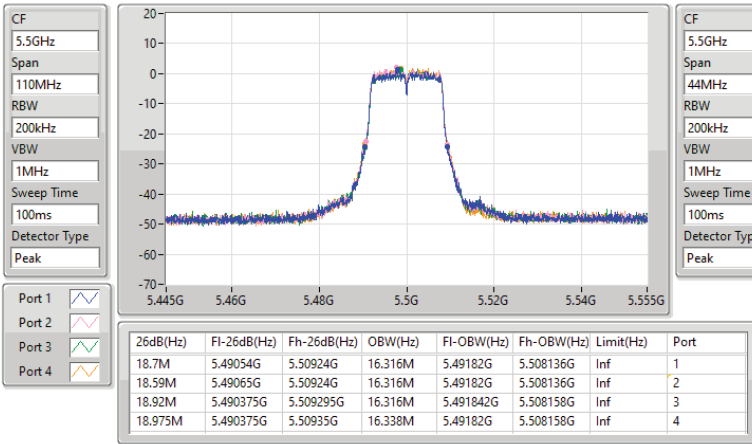


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5500MHz

30/03/2023

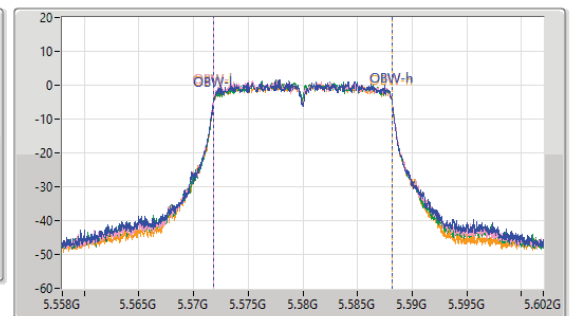
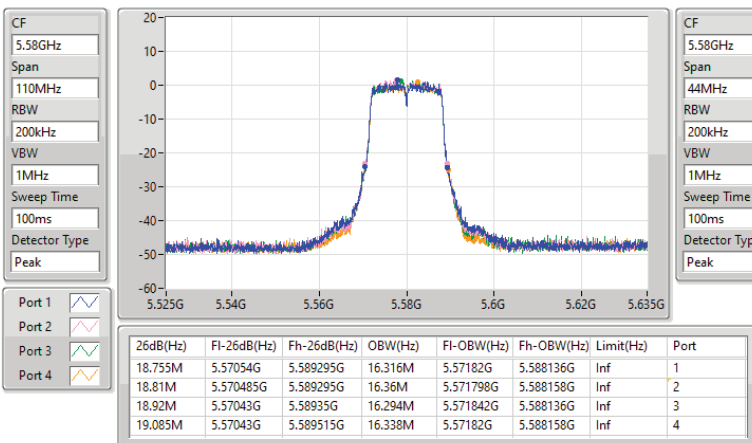


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5580MHz

30/03/2023



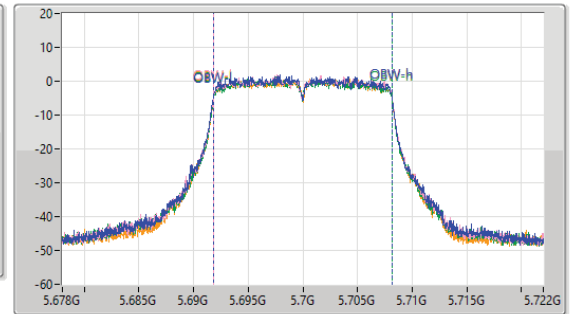
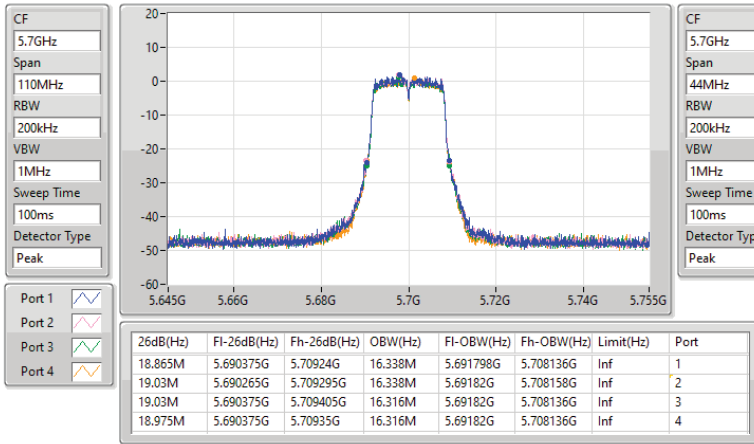


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5700MHz

30/03/2023

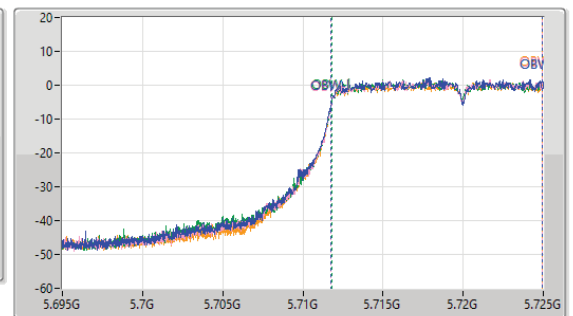
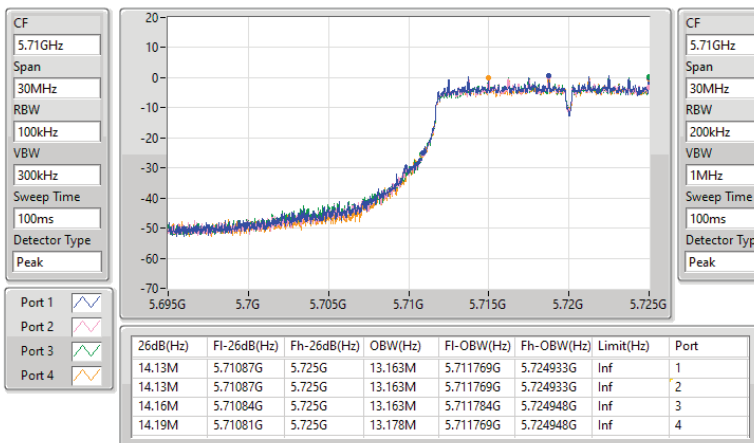


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/03/2023



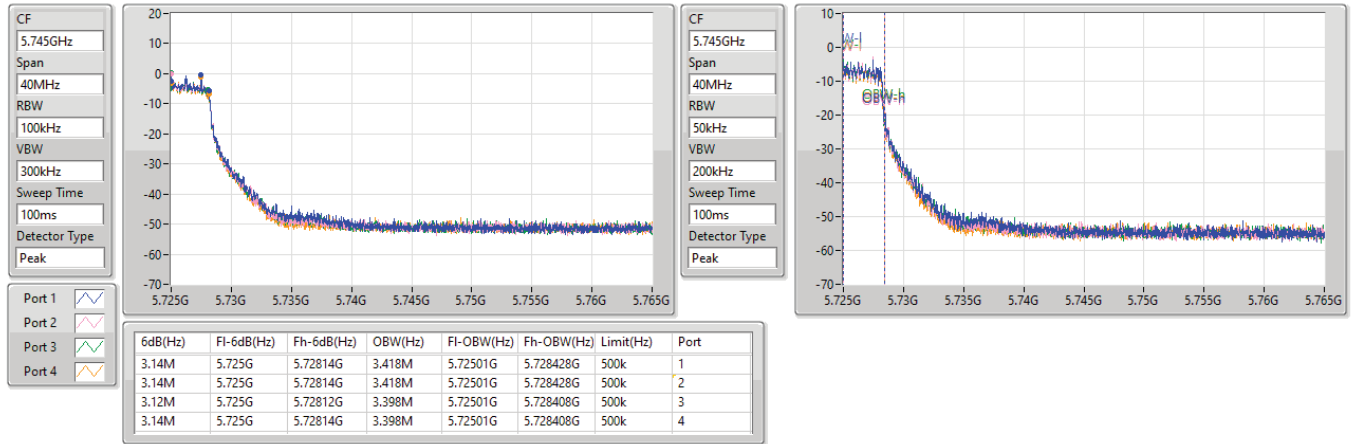


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/03/2023

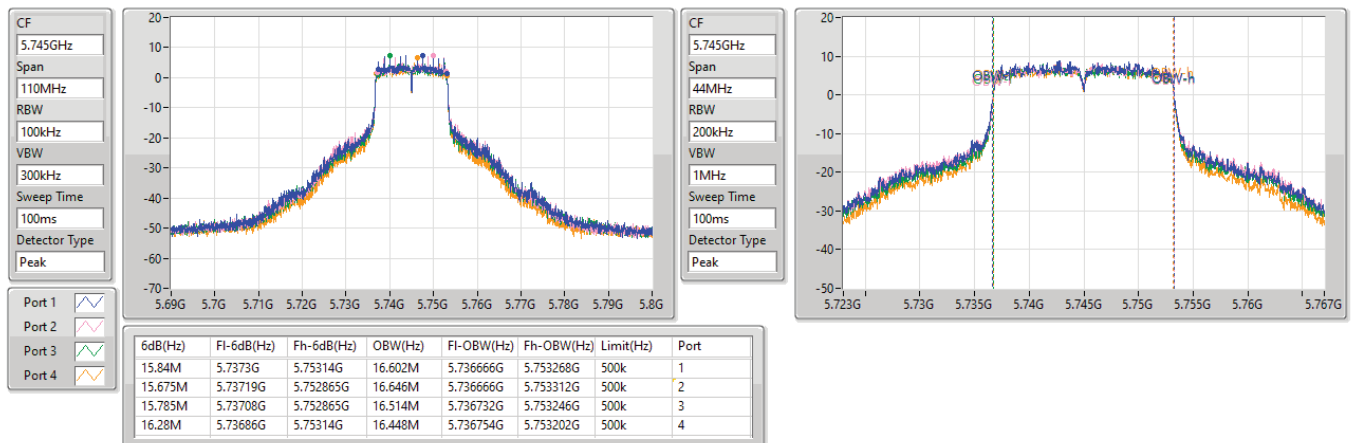


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5745MHz

30/03/2023



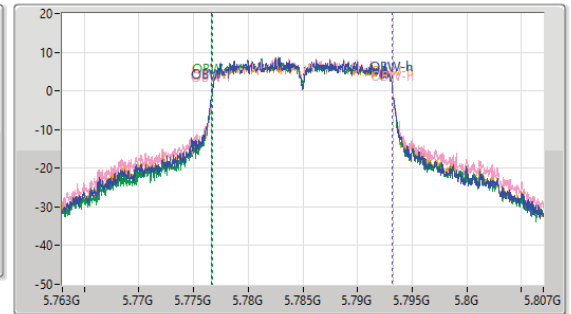
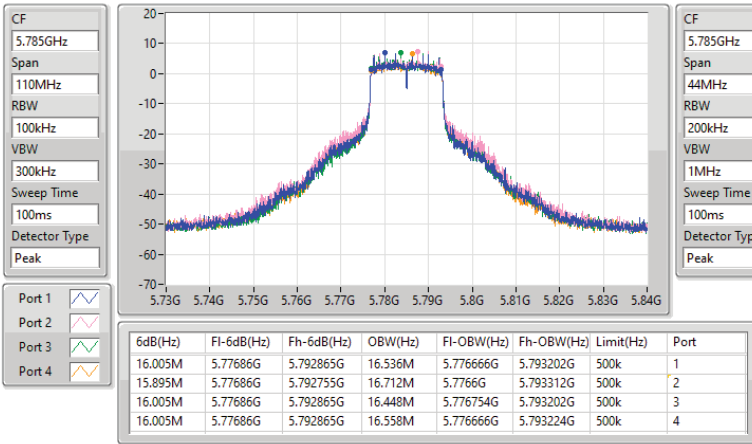


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5785MHz

30/03/2023

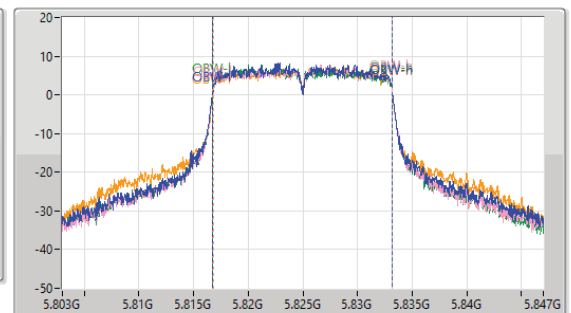
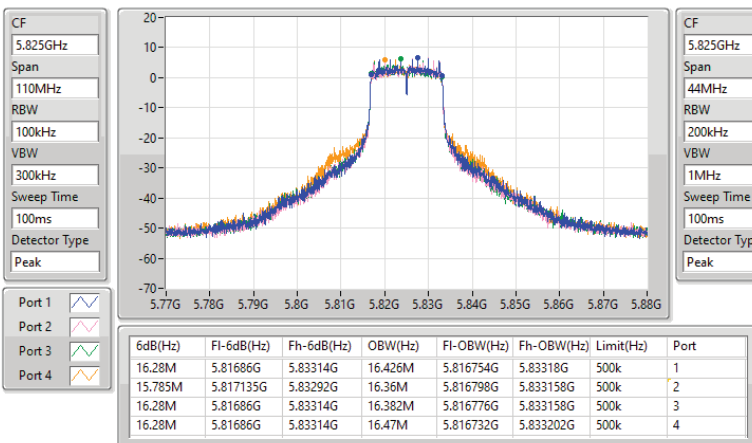


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5825MHz

30/03/2023



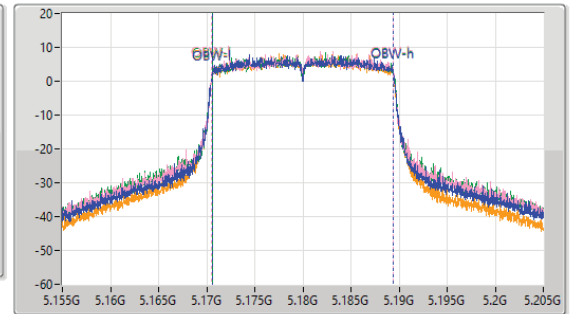
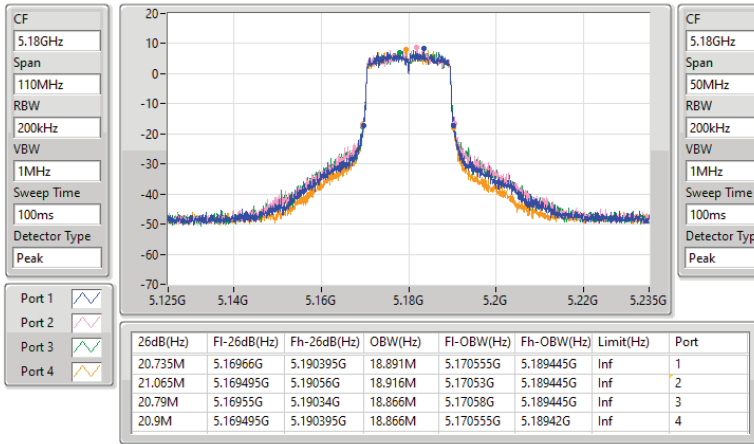


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5180MHz

30/03/2023

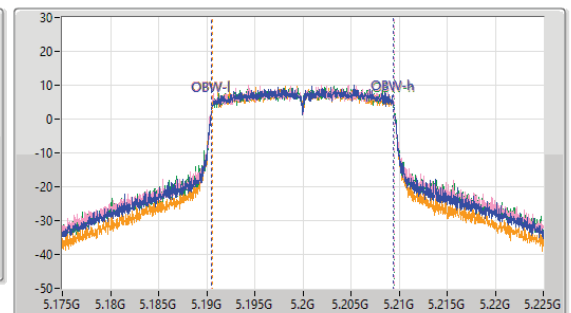
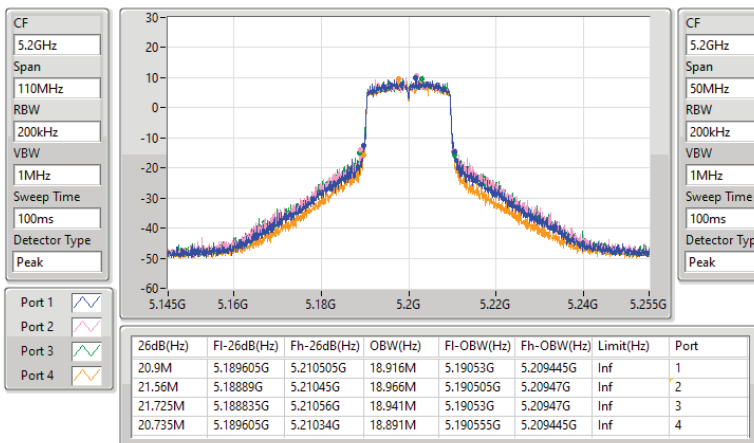


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5200MHz

30/03/2023



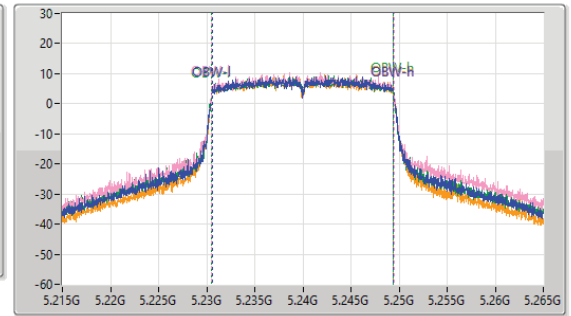
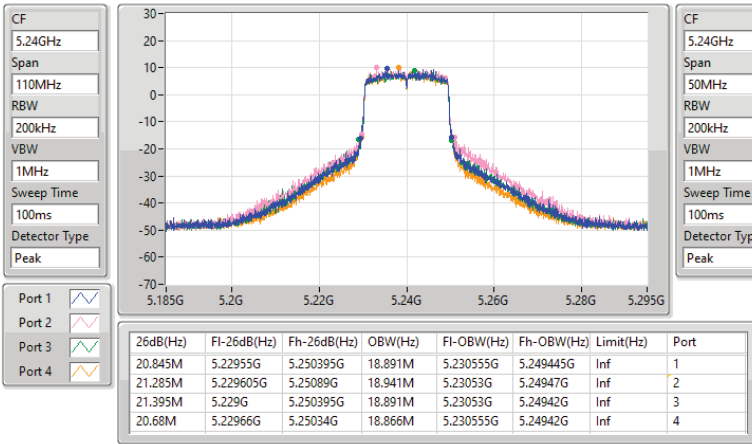


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5240MHz

30/03/2023

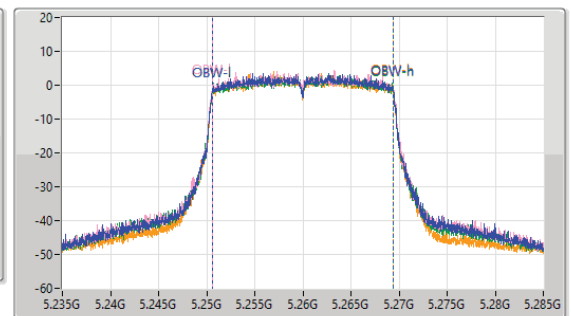
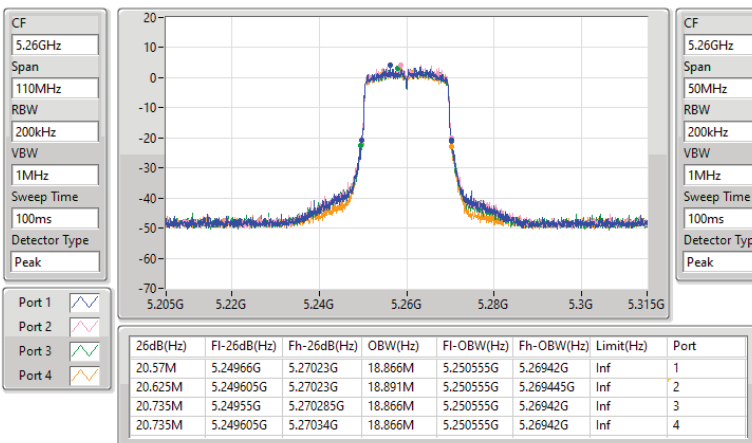


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5260MHz

30/03/2023



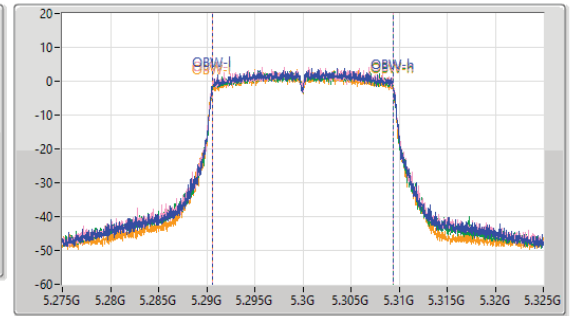
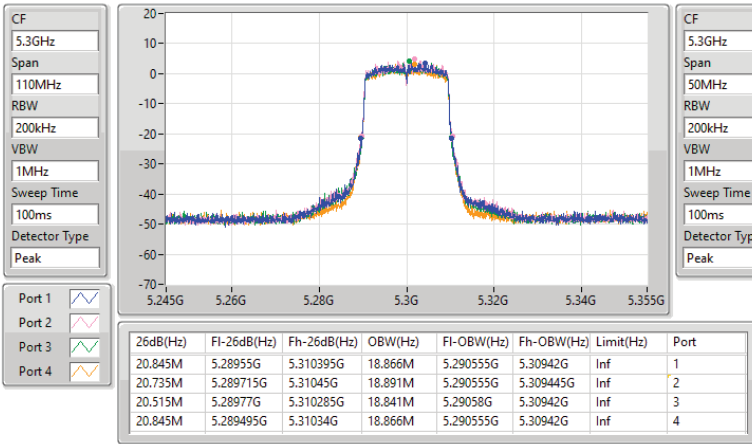


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5300MHz

30/03/2023

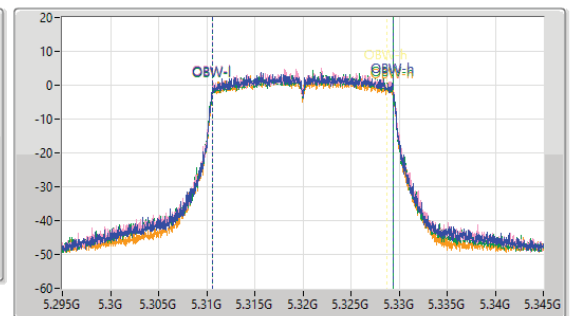
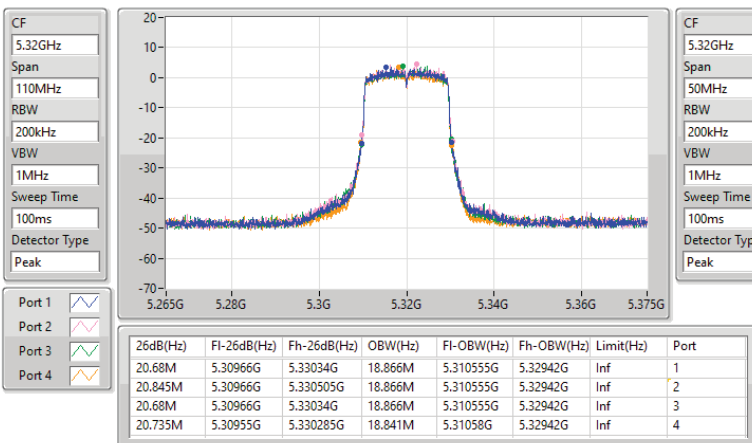


5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5320MHz

30/03/2023



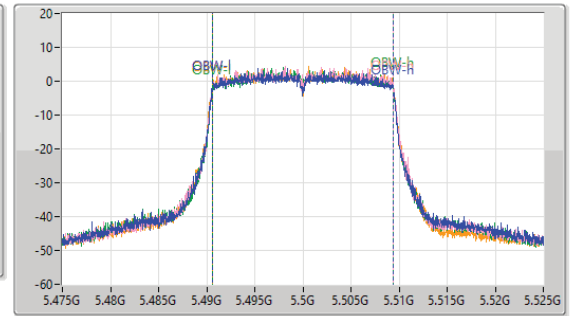
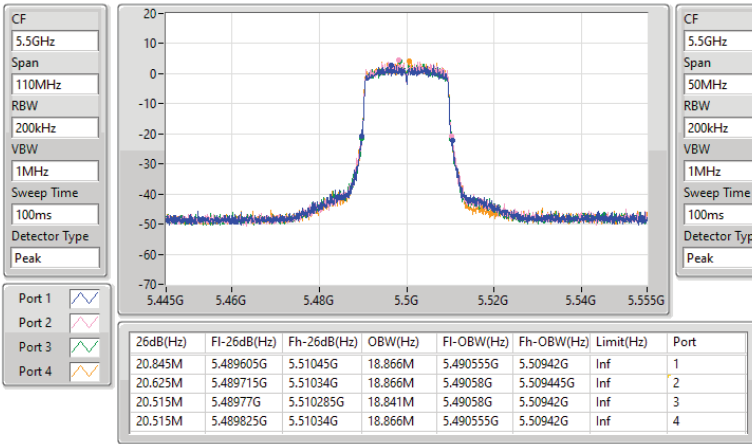


5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5500MHz

30/03/2023

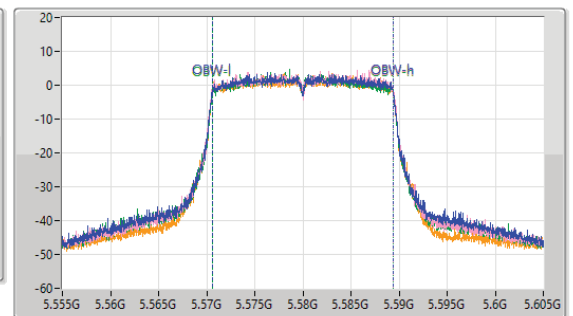
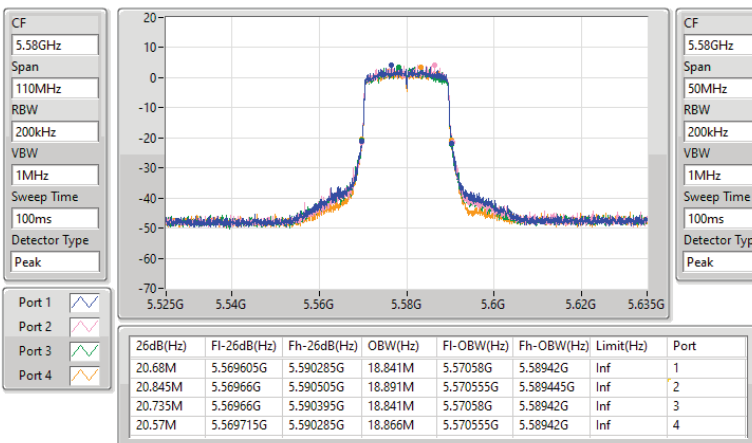


5.47-5.725GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5580MHz

30/03/2023



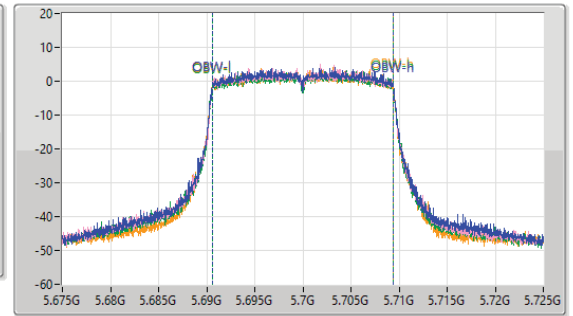
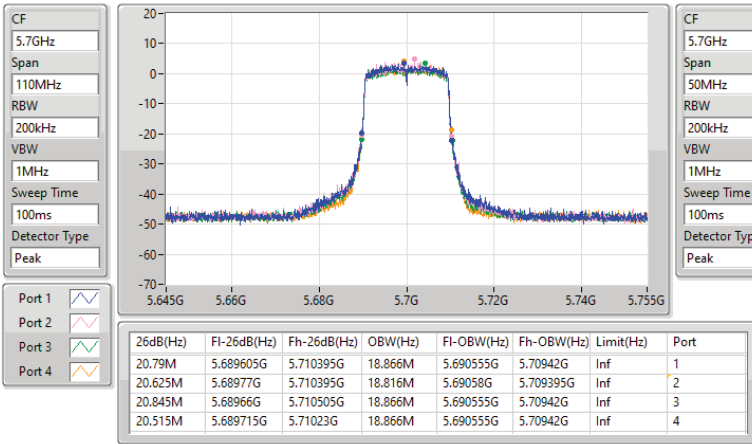


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5700MHz

30/03/2023

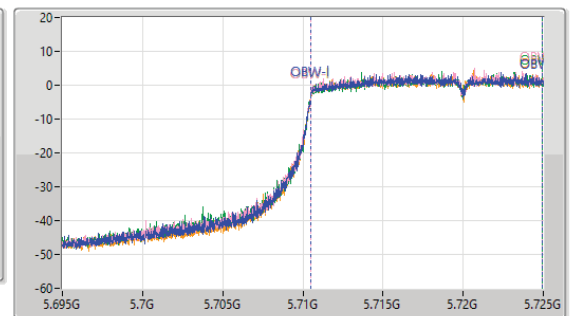
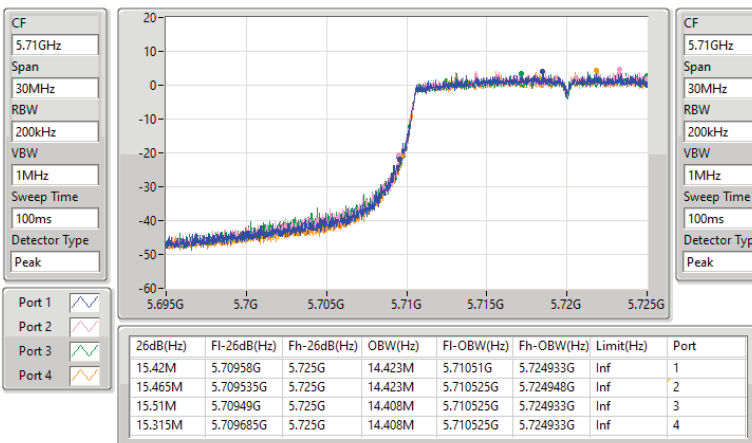


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

30/03/2023



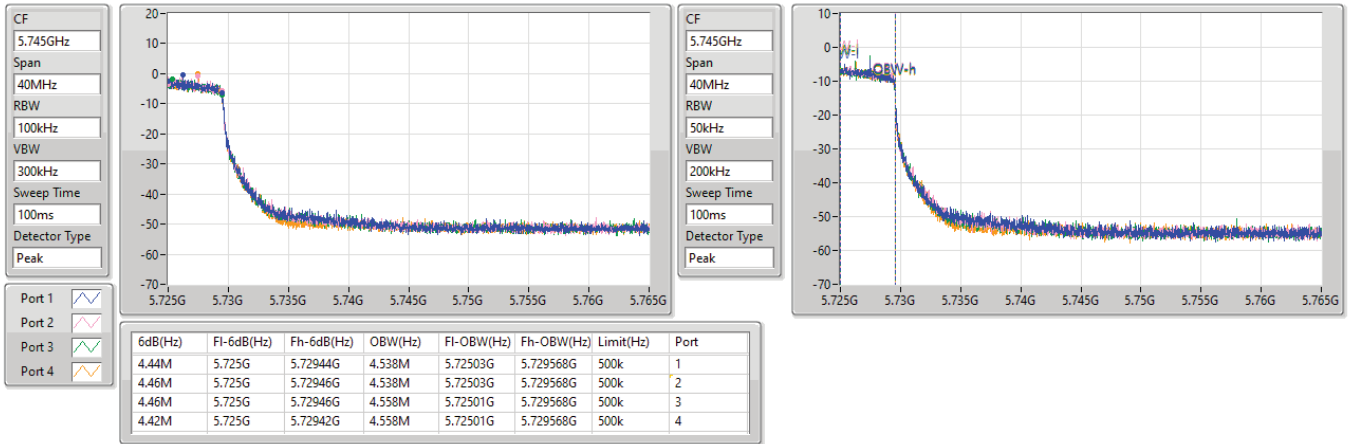


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

30/03/2023

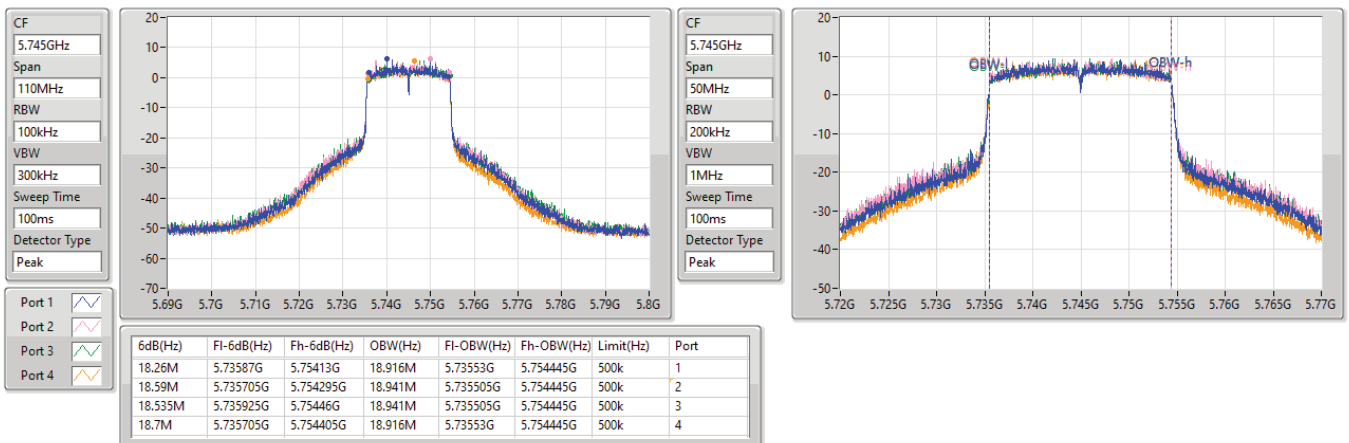


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5745MHz

30/03/2023



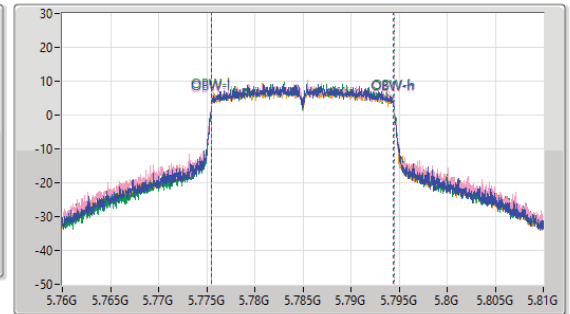
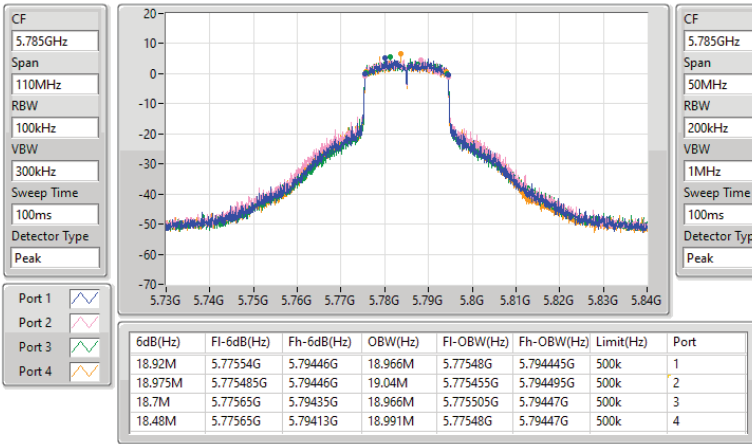


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5785MHz

30/03/2023

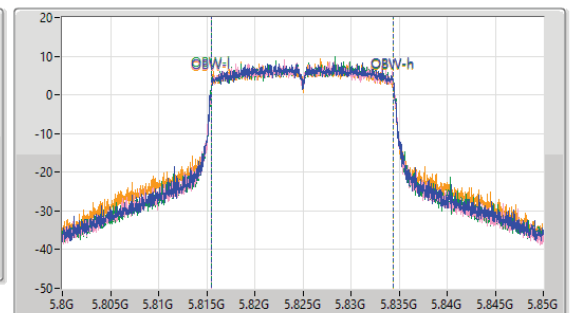
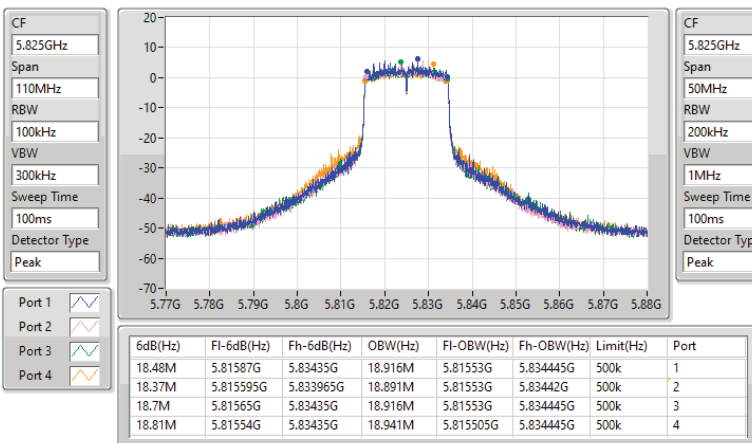


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5825MHz

30/03/2023



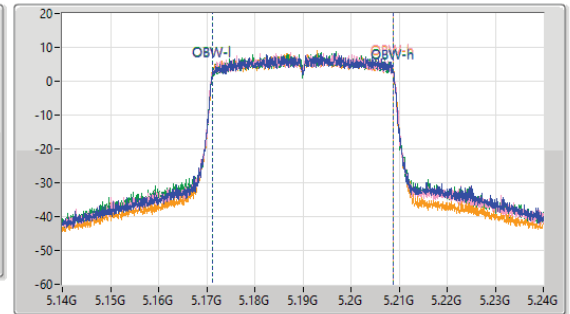
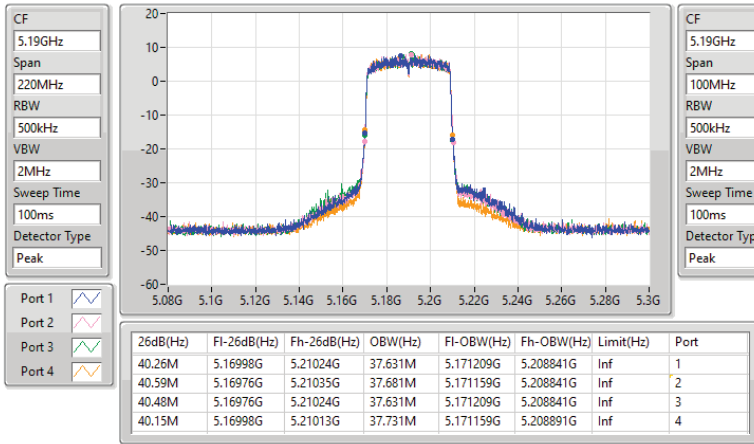


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5190MHz

30/03/2023

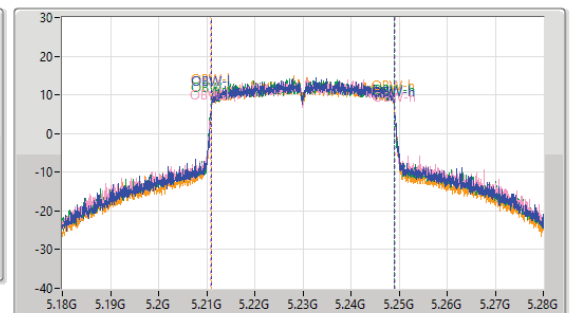
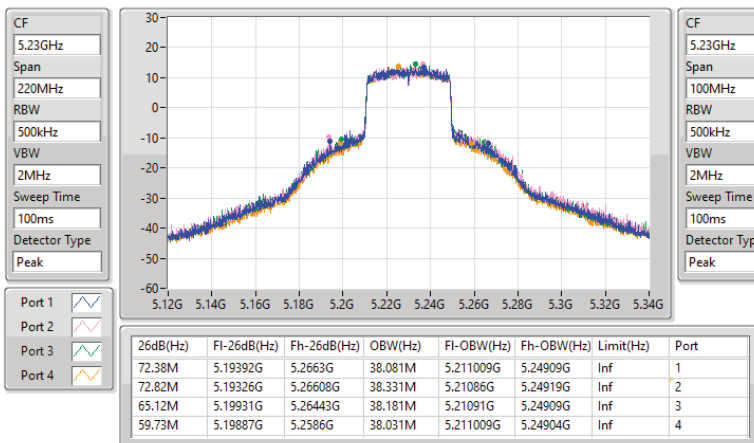


5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5230MHz

30/03/2023



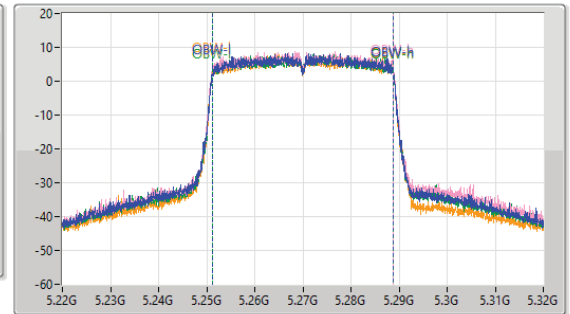
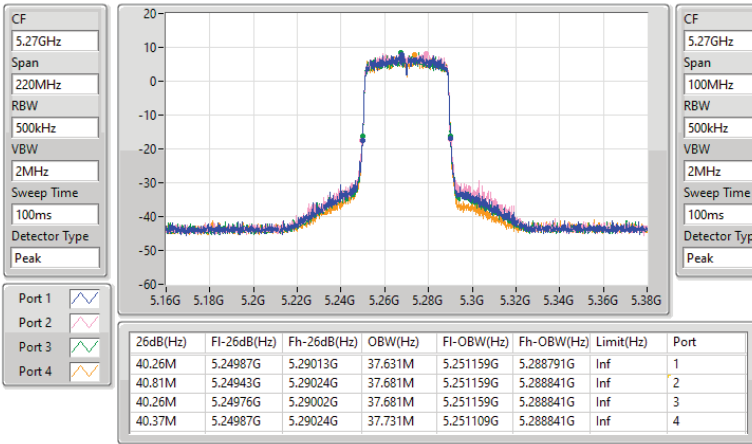


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5270MHz

30/03/2023

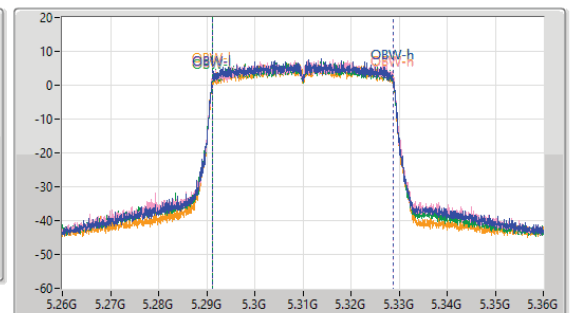
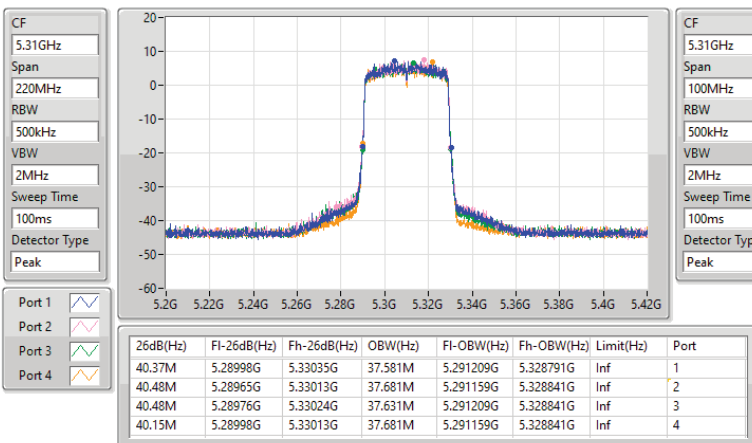


5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

EBW

5310MHz

30/03/2023



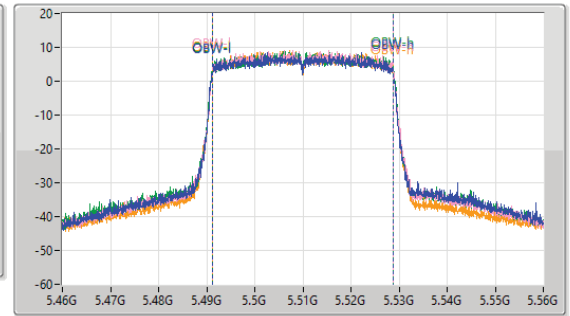
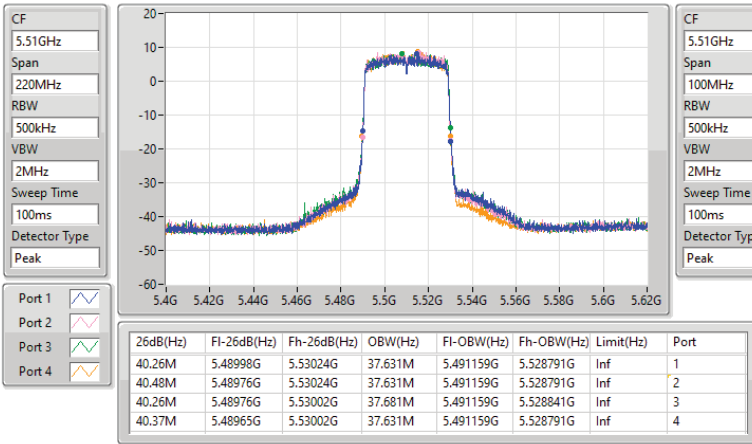


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5510MHz

30/03/2023

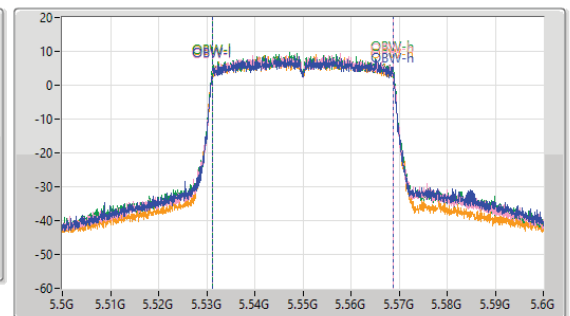
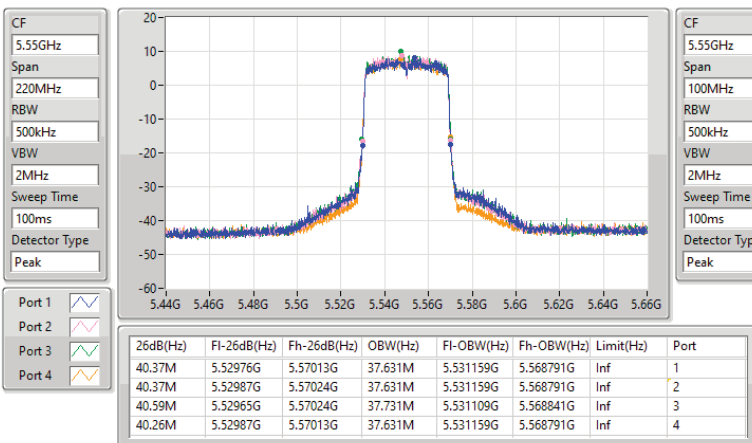


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5550MHz

30/03/2023



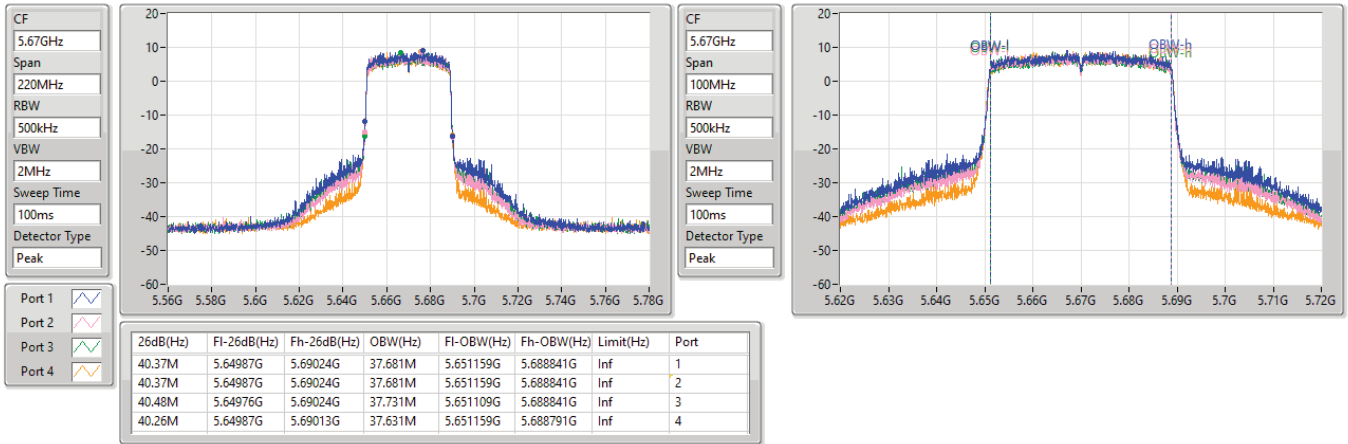


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5670MHz

30/03/2023

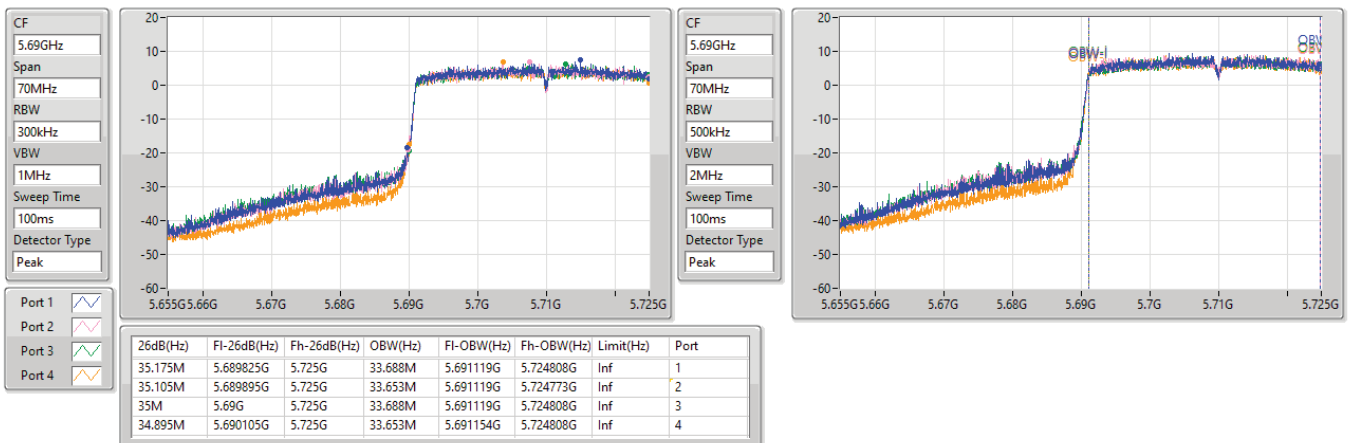


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

30/03/2023

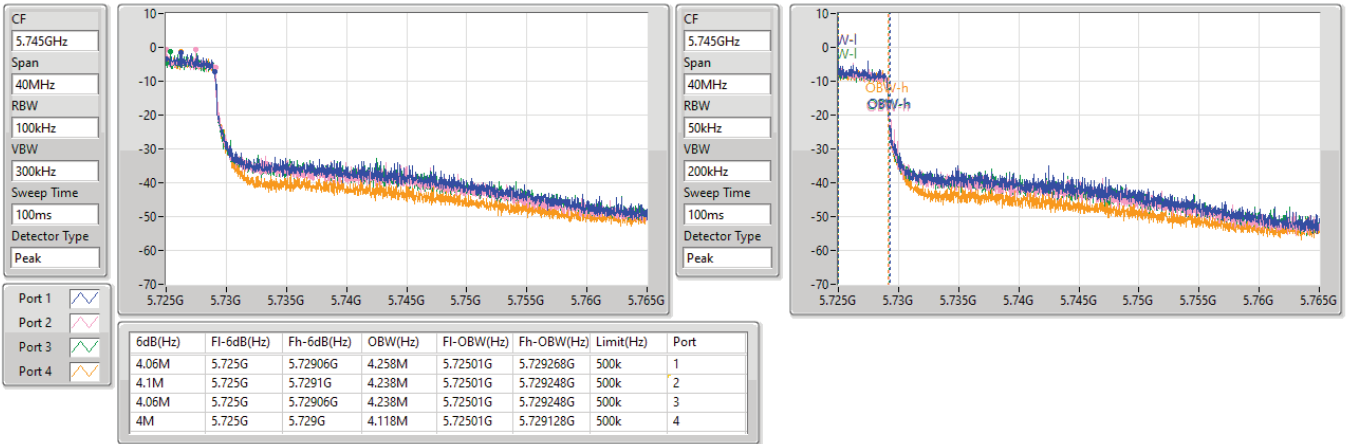


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

30/03/2023

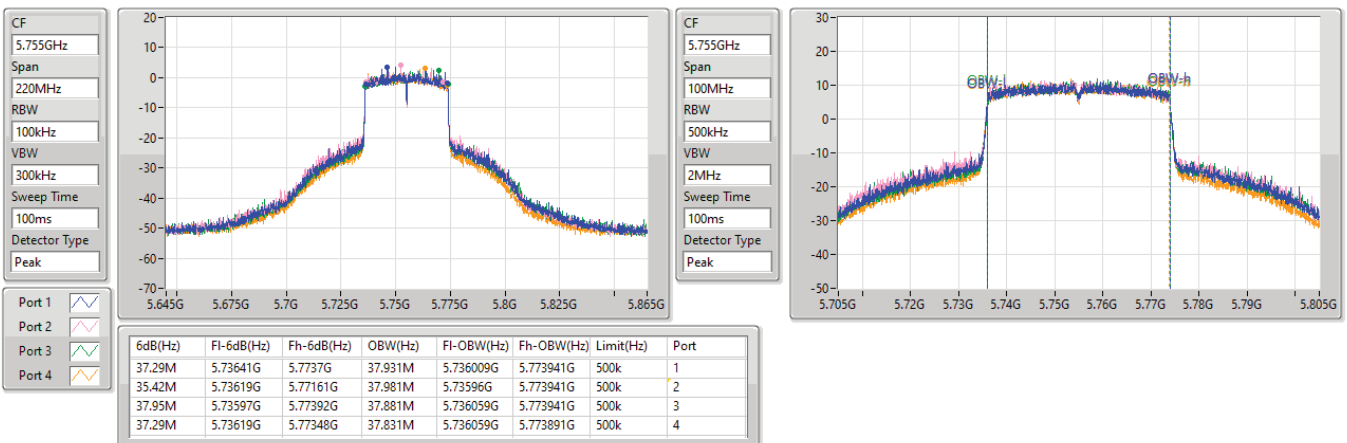


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5755MHz

30/03/2023



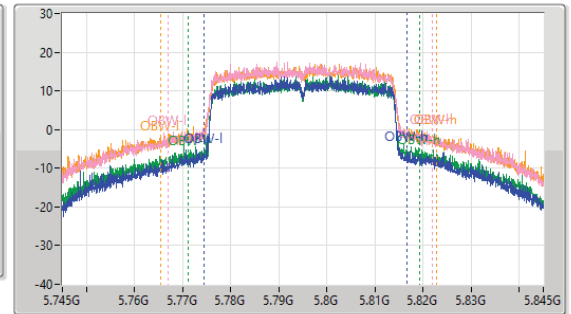
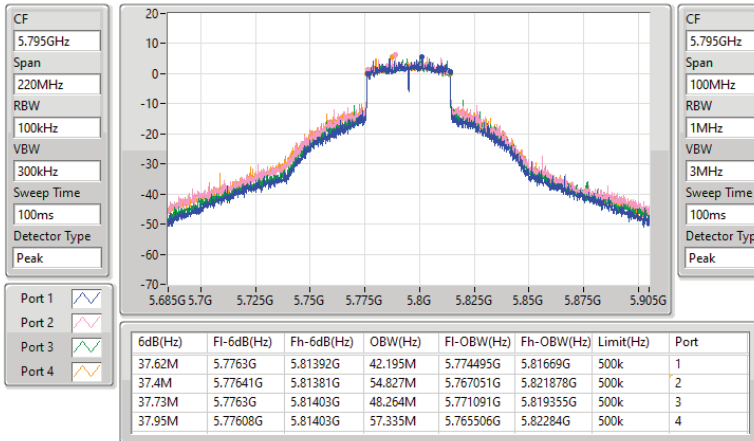


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5795MHz

06/04/2023

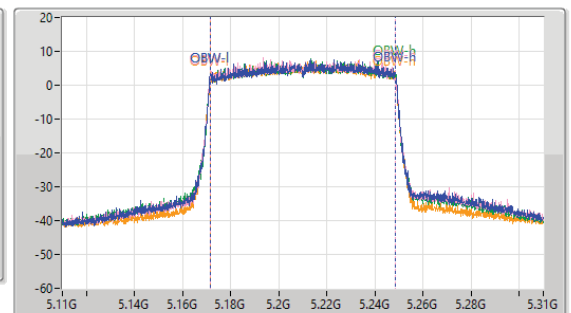
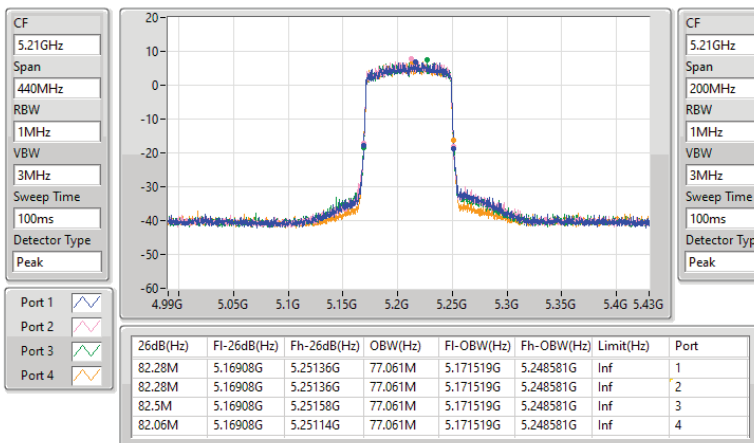


5.15-5.25GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5210MHz

30/03/2023



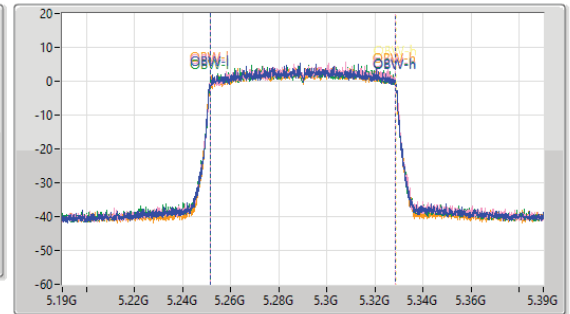
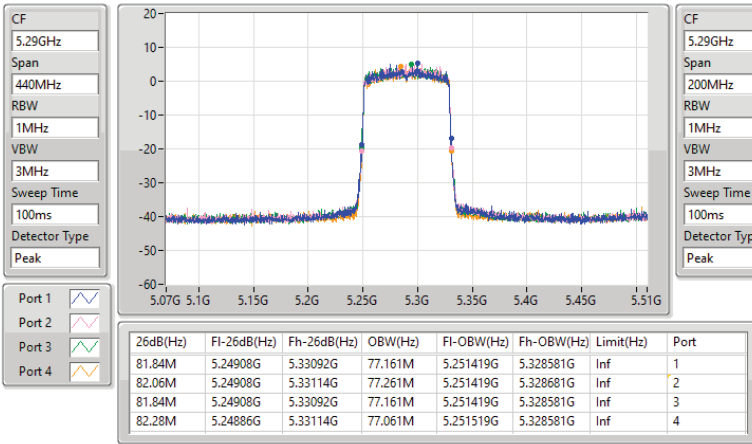


5.25-5.35GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5290MHz

30/03/2023

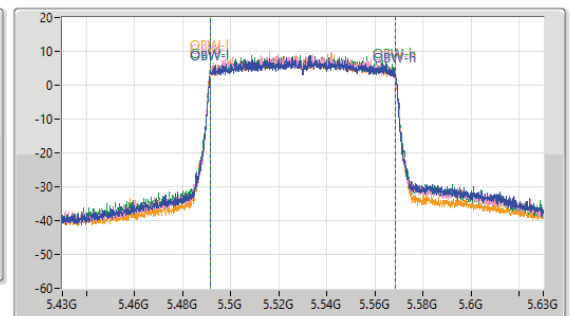
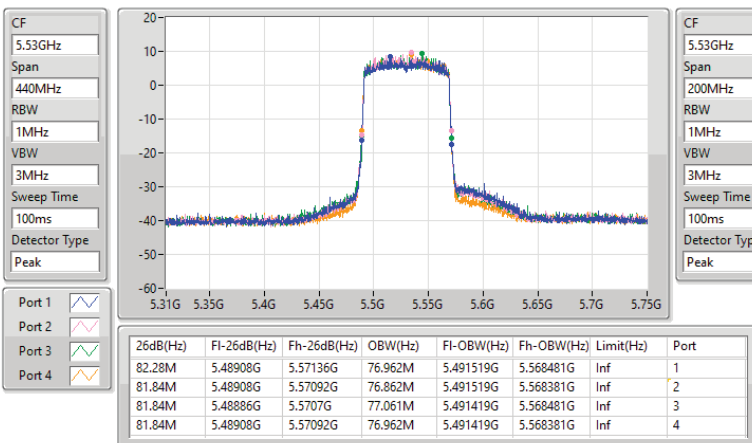


5.47-5.725GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

EBW

5530MHz

30/03/2023



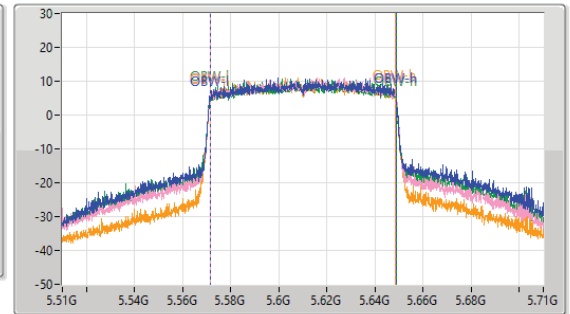
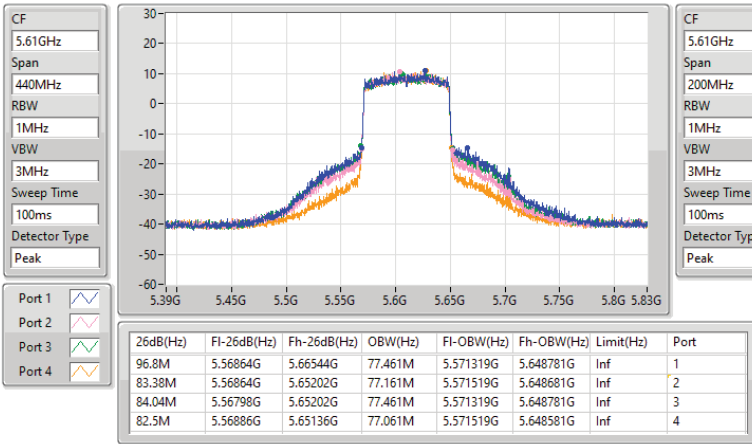


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5610MHz

30/03/2023

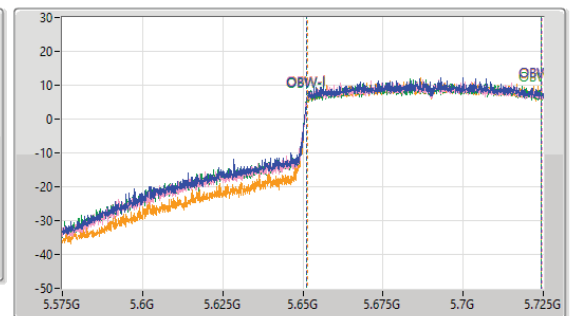
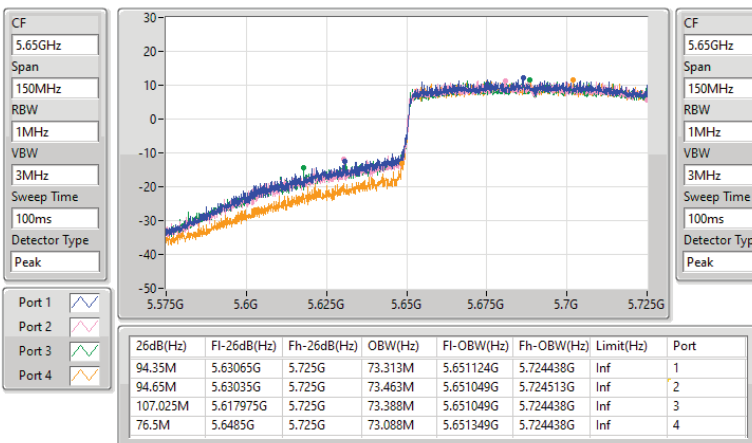


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/03/2023



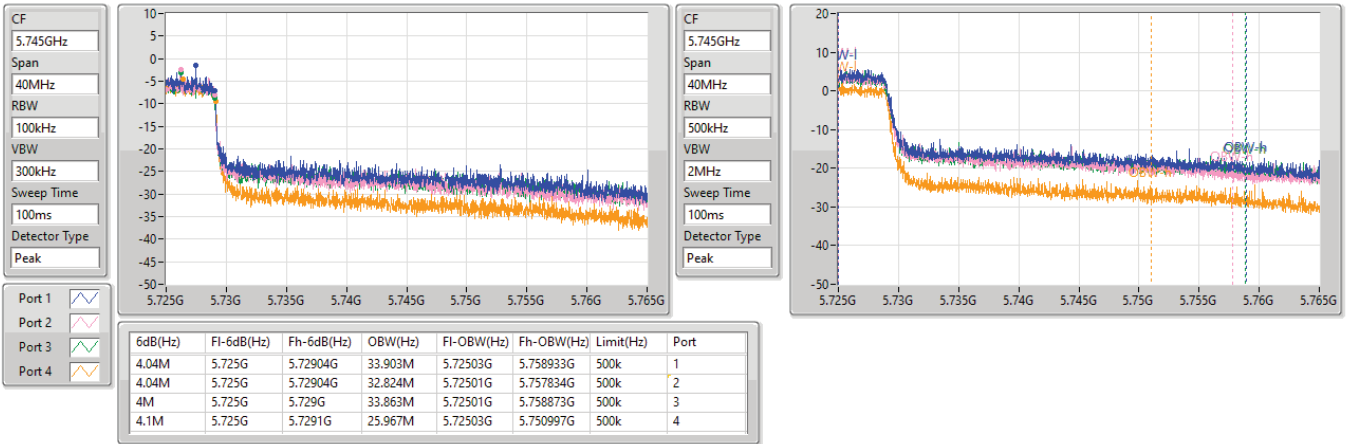


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/03/2023

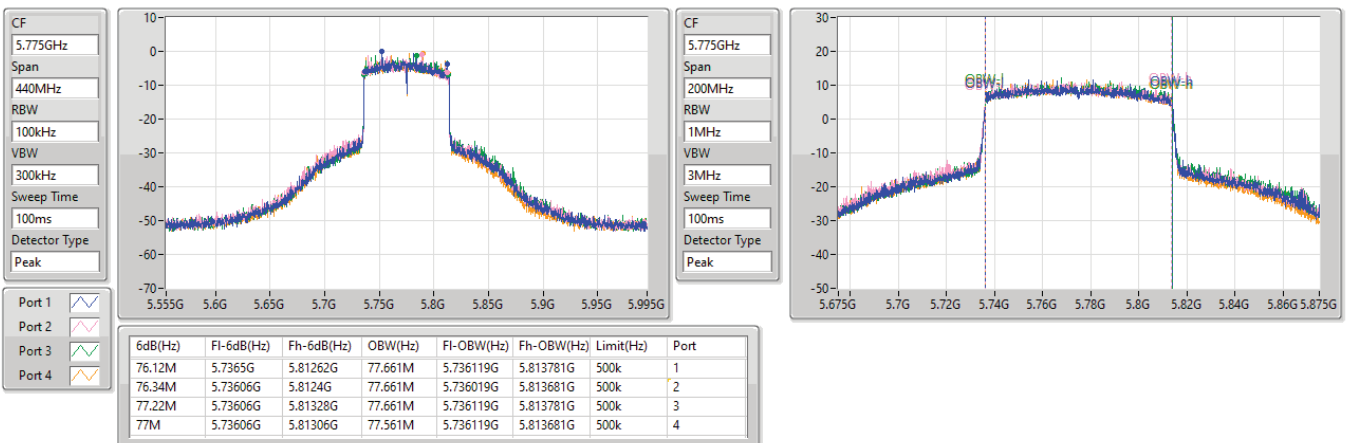


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5775MHz

30/03/2023



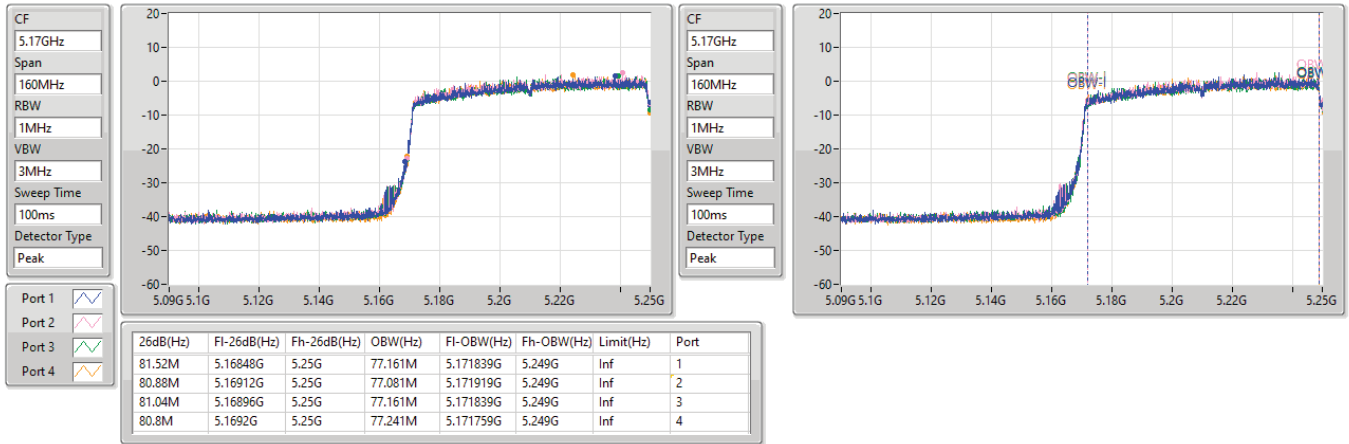


5.15-5.25GHz_802.11ax_HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/03/2023

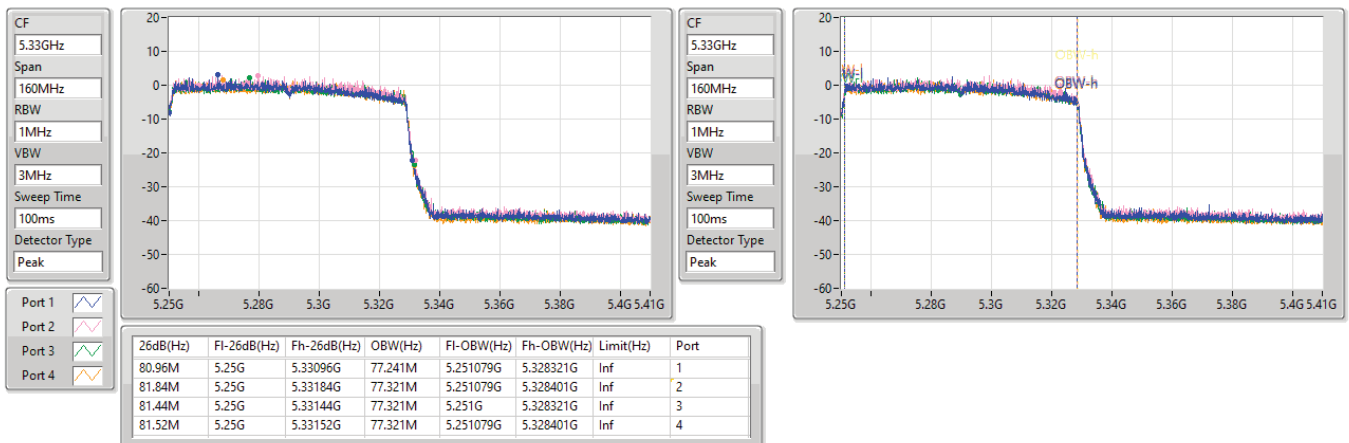


5.25-5.35GHz_802.11ax_HEW160_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/03/2023



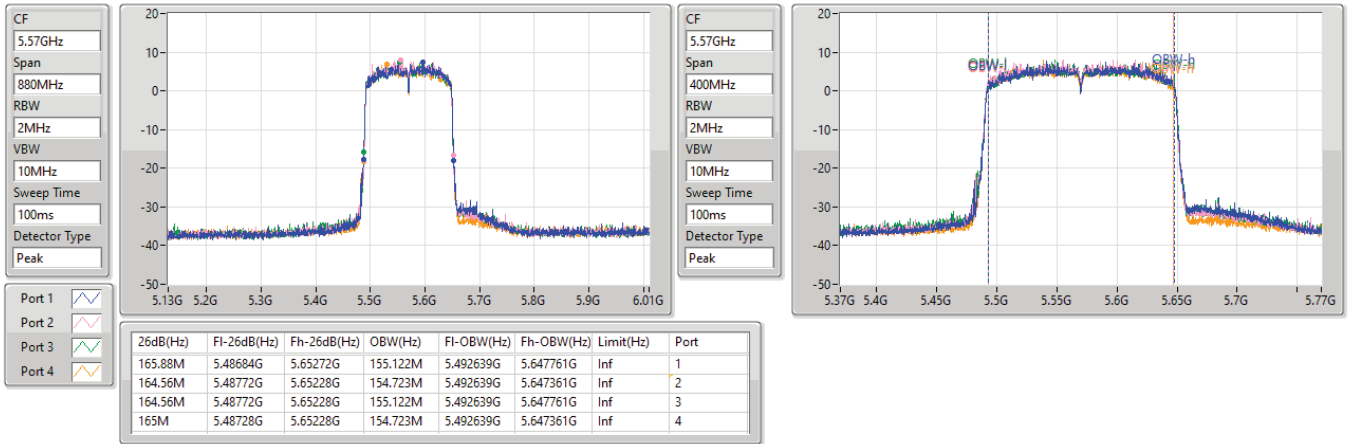


5.47-5.725GHz_802.11ax_HEW160_Nss1,(MCS0)_4TX

EBW

5570MHz

30/03/2023



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.85-5.895GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	16.335M	16.338M	16M3D1D	15.95M	16.294M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.81M	18.916M	18M9D1D	17.545M	18.841M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.84M	38.931M	38M9D1D	35.42M	37.631M
802.11ax HEW80_Nss1,(MCS0)_4TX	77.66M	79.26M	79M3D1D	73.92M	77.561M
802.11ax HEW160_Nss1,(MCS0)_4TX	152.68M	155.122M	155MD1D	143.44M	154.723M

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	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	16.28M	16.316M	16.28M	16.316M	16.005M	16.316M	16.335M	16.338M
5865MHz	Pass	500k	16.28M	16.316M	16.28M	16.294M	16.28M	16.316M	16.28M	16.316M
5885MHz	Pass	500k	16.28M	16.338M	15.95M	16.294M	16.28M	16.338M	16.335M	16.316M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	18.425M	18.866M	18.59M	18.866M	17.82M	18.841M	18.81M	18.916M
5865MHz	Pass	500k	18.7M	18.841M	18.425M	18.841M	17.545M	18.866M	18.755M	18.866M
5885MHz	Pass	500k	18.81M	18.866M	18.755M	18.841M	18.81M	18.866M	18.755M	18.866M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	37.84M	38.081M	36.96M	38.131M	37.18M	37.981M	37.73M	38.931M
5875MHz	Pass	500k	35.42M	37.631M	37.73M	37.681M	37.84M	37.631M	37.29M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	75.02M	77.661M	77.66M	77.761M	76.34M	77.561M	73.92M	79.26M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	152.68M	155.122M	151.36M	154.923M	143.44M	154.723M	147.4M	154.923M

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

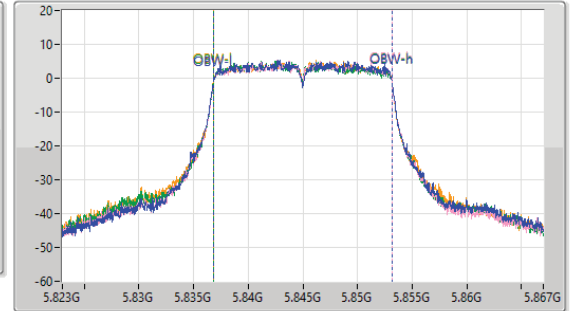
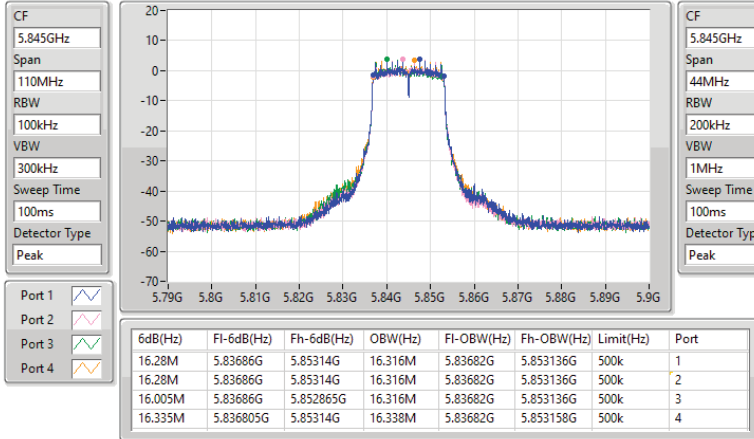


5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5845MHz

31/03/2023

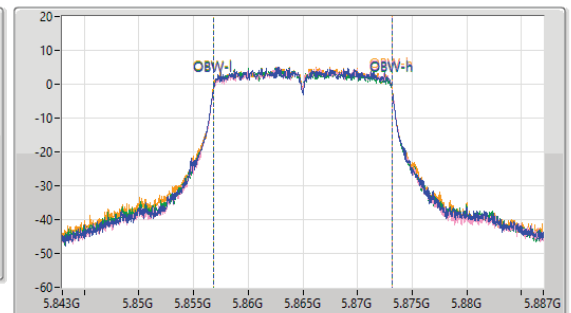
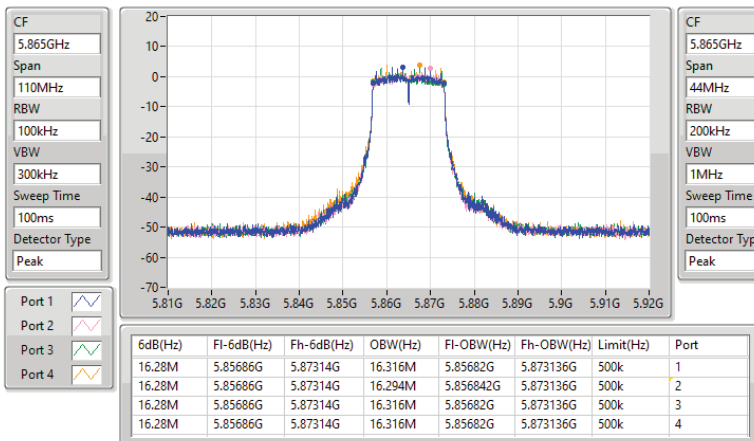


5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5865MHz

31/03/2023

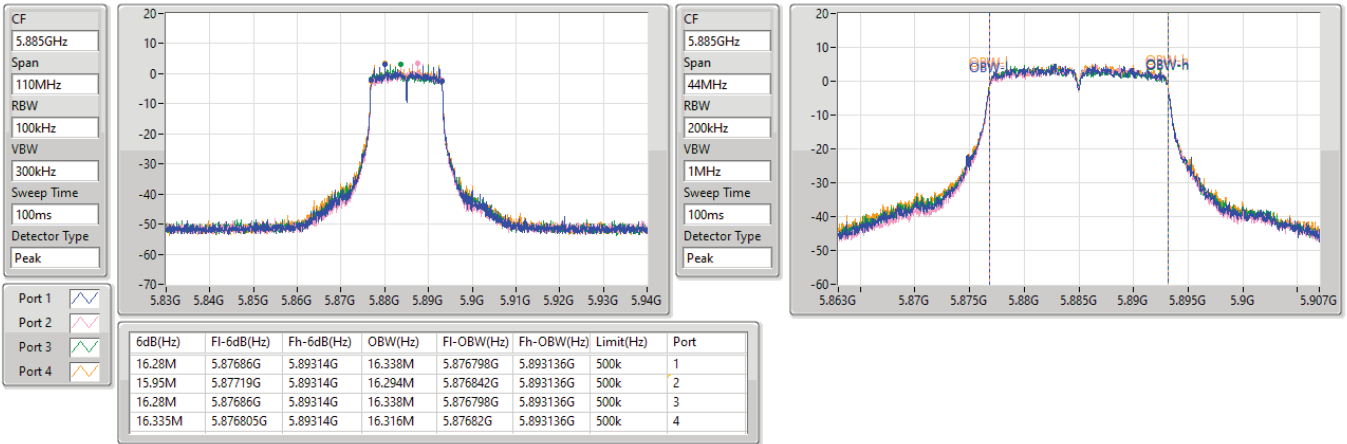


5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

EBW

5885MHz

31/03/2023

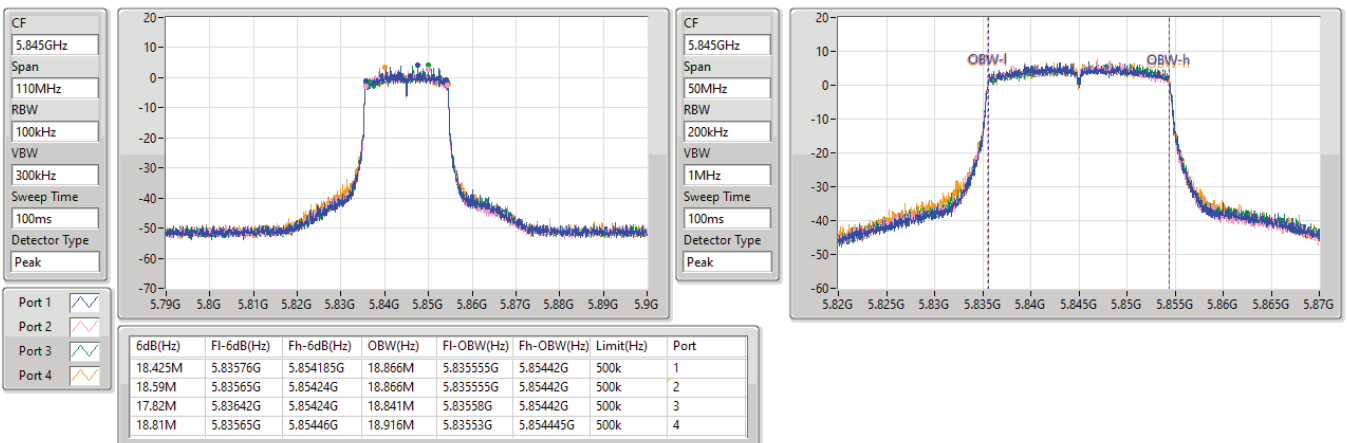


5.85-5.895GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

EBW

5845MHz

31/03/2023



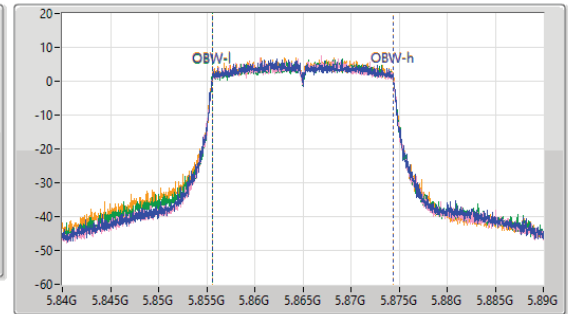
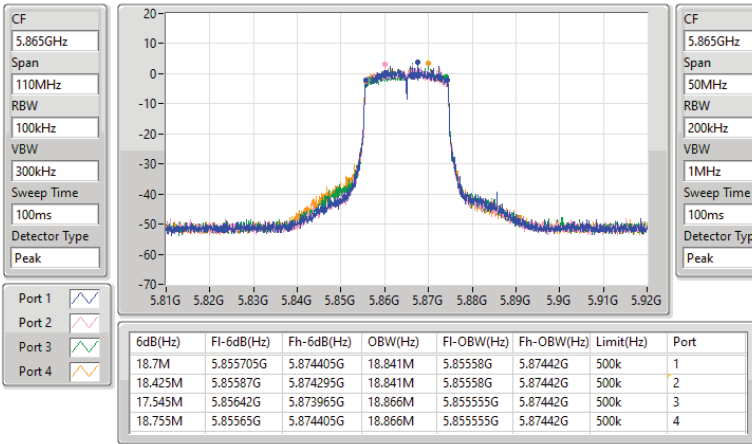


5.85-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5865MHz

31/03/2023

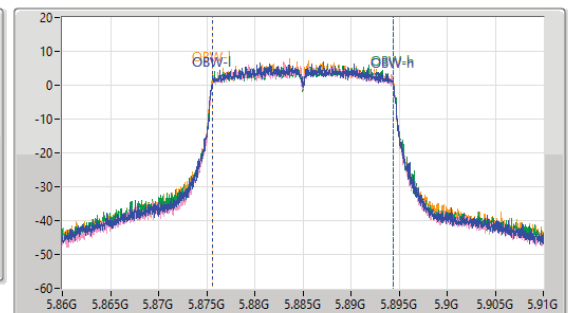
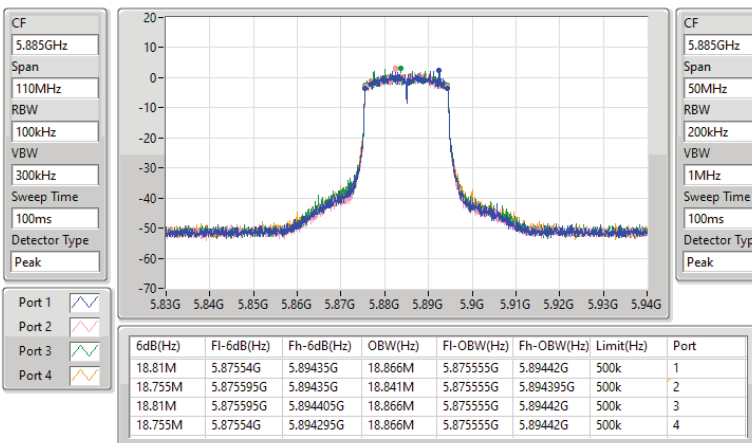


5.85-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5885MHz

31/03/2023



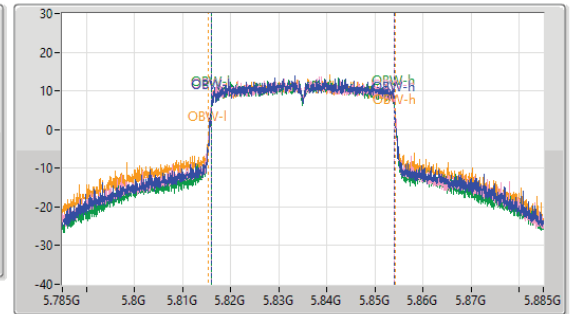
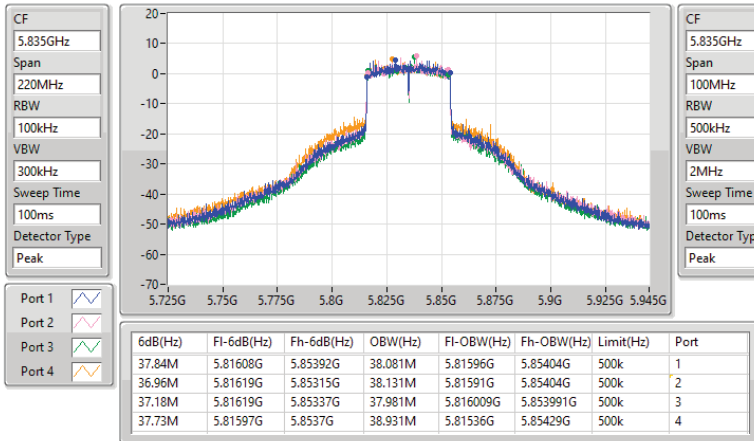


5.85-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5835MHz

31/03/2023

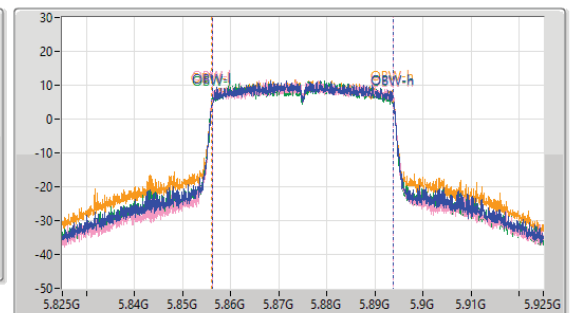
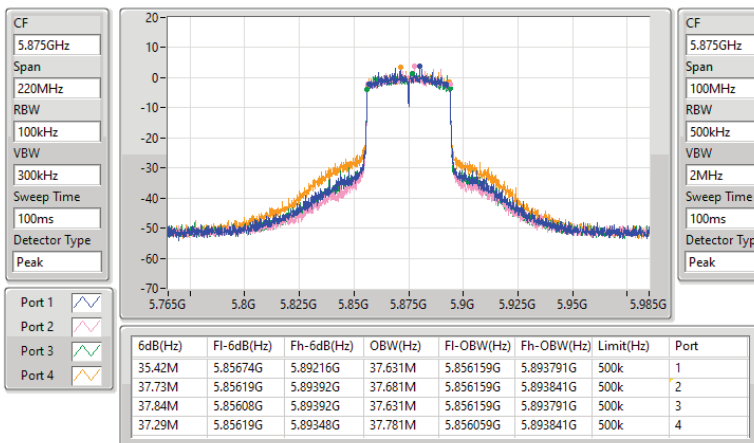


5.85-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

5875MHz

31/03/2023



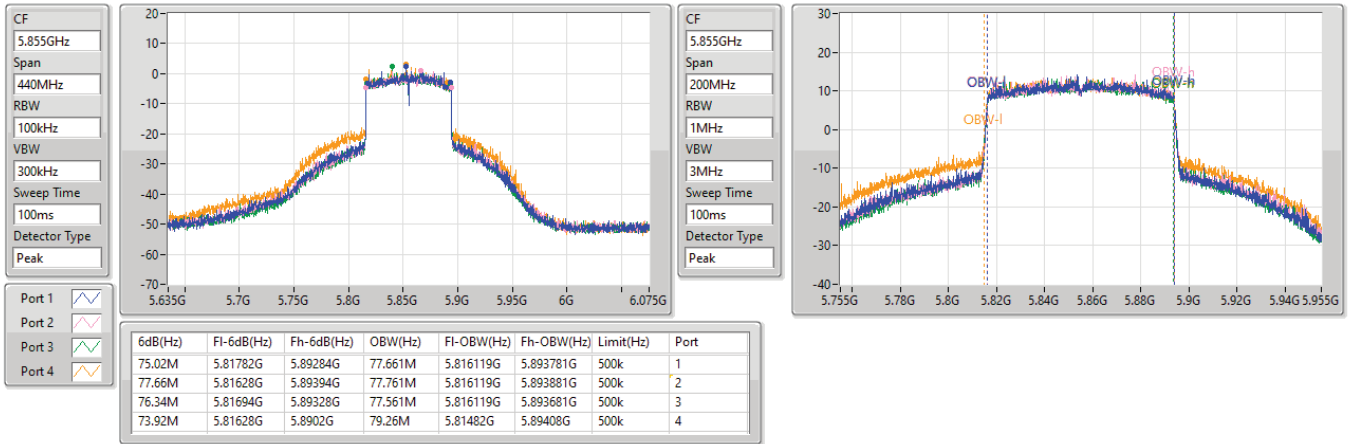


5.85-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5855MHz

31/03/2023

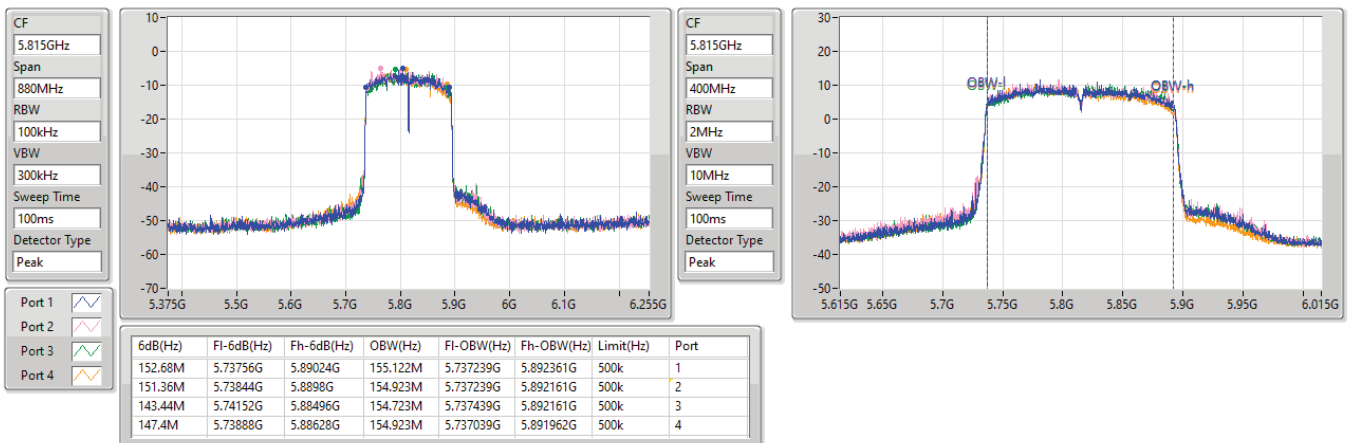


5.85-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

5815MHz

31/03/2023



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.15-5.25GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.22M	19.058M	19M1D1D	20.515M	18.92M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	45.76M	38.069M	38M1D1D	43.01M	37.881M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.94M	77.761M	77M8D1D	81.4M	77.361M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	81.2M	77.641M	77M6D1D	80.8M	77.561M
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.11M	19.017M	19M0D1D	21.285M	18.981M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	43.67M	37.997M	38M0D1D	42.57M	37.876M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	90.2M	77.661M	77M7D1D	85.14M	77.561M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	85.04M	77.721M	77M7D1D	83.44M	77.561M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	22.055M	19.028M	19M0D1D	15.915M	14.491M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	43.45M	37.982M	38M0D1D	35.7M	33.773M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	88.66M	77.761M	77M8D1D	77.55M	73.388M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	395.56M	157.521M	158MD1D	165M	156.322M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.085M	19.033M	19M0D1D	4.5M	4.52M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.06M	38.01M	38M0D1D	4.04M	4.091M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	60.72M	77.661M	77M7D1D	2.2M	4.518M

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	Inf	21.67M	19.025M	21.505M	19.044M	21.725M	18.983M	21.89M	19.026M
5200MHz	Pass	Inf	21.56M	19.058M	21.945M	19.021M	22.22M	19.042M	21.23M	19.027M
5240MHz	Pass	Inf	20.515M	19.016M	20.845M	18.92M	21.065M	19.002M	21.12M	18.96M
5260MHz	Pass	Inf	21.615M	18.981M	21.56M	18.988M	22.11M	19.006M	21.835M	19.01M
5300MHz	Pass	Inf	21.835M	19.008M	21.725M	19.017M	21.615M	19M	21.835M	18.998M
5320MHz	Pass	Inf	21.34M	19.008M	21.285M	18.986M	21.725M	18.992M	21.725M	19.005M
5500MHz	Pass	Inf	21.78M	19.02M	21.89M	19.01M	22.055M	19.023M	21.725M	19.007M
5580MHz	Pass	Inf	21.78M	19.015M	21.725M	19.004M	21.505M	19.028M	21.725M	19.005M
5700MHz	Pass	Inf	21.45M	18.99M	21.945M	19.019M	21.12M	18.996M	21.89M	19.013M
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.945M	14.491M	16.005M	14.501M	16.065M	14.491M	15.915M	14.502M
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.52M	4.534M	4.52M	4.52M	4.52M	4.539M	4.5M	4.533M
5745MHz	Pass	500k	7.92M	18.992M	19.03M	19.021M	18.92M	18.936M	19.085M	18.997M
5785MHz	Pass	500k	17.16M	19.001M	17.435M	19.011M	19.085M	19.033M	18.92M	18.977M
5825MHz	Pass	500k	19.03M	18.992M	16.665M	19.006M	16.28M	19.019M	19.03M	19.014M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	Inf	43.56M	37.881M	43.45M	37.914M	43.12M	37.896M	43.45M	37.951M
5230MHz	Pass	Inf	43.23M	38.021M	45.76M	38.069M	43.01M	37.932M	43.34M	37.916M
5270MHz	Pass	Inf	43.67M	37.974M	43.67M	37.876M	42.9M	37.879M	42.68M	37.956M
5310MHz	Pass	Inf	42.9M	37.949M	43.12M	37.997M	42.57M	37.877M	42.79M	37.939M
5510MHz	Pass	Inf	42.57M	37.923M	43.45M	37.934M	42.35M	37.982M	43.01M	37.929M
5550MHz	Pass	Inf	43.12M	37.873M	43.01M	37.914M	43.12M	37.888M	42.02M	37.933M
5670MHz	Pass	Inf	43.45M	37.95M	42.46M	37.972M	42.13M	37.909M	43.23M	37.929M
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	36.12M	33.865M	36.19M	33.838M	35.7M	33.773M	36.33M	33.838M
5710MHz Straddle 5.725-5.85GHz	Pass	500k	4.04M	4.2M	4.04M	4.217M	4.04M	4.091M	4.04M	4.205M
5755MHz	Pass	500k	34.87M	37.94M	24.97M	37.981M	26.29M	38.01M	5.39M	37.953M
5795MHz	Pass	500k	37.95M	37.854M	14.52M	37.892M	33.77M	37.954M	38.06M	37.975M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	Inf	82.28M	77.561M	82.72M	77.761M	82.94M	77.661M	81.4M	77.361M
5290MHz	Pass	Inf	85.14M	77.661M	85.36M	77.561M	86.68M	77.561M	90.2M	77.661M
5530MHz	Pass	Inf	87.12M	77.661M	84.92M	77.661M	88.66M	77.761M	84.7M	77.661M
5610MHz	Pass	Inf	88.22M	77.661M	85.14M	77.661M	87.12M	77.761M	85.8M	77.761M
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	77.7M	73.463M	80.4M	73.388M	77.55M	73.388M	79.05M	73.538M
5690MHz Straddle 5.725-5.85GHz	Pass	500k	4.06M	4.558M	4.04M	4.518M	4.04M	4.578M	4.06M	4.538M
5775MHz	Pass	500k	2.2M	77.661M	22.66M	77.561M	2.2M	77.261M	60.72M	77.361M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	80.8M	77.641M	81.04M	77.561M	81.2M	77.561M	80.8M	77.641M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	83.44M	77.641M	85.04M	77.561M	84.64M	77.721M	83.76M	77.721M
5570MHz	Pass	Inf	172.04M	157.521M	395.56M	156.922M	166.76M	157.321M	165M	156.322M

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

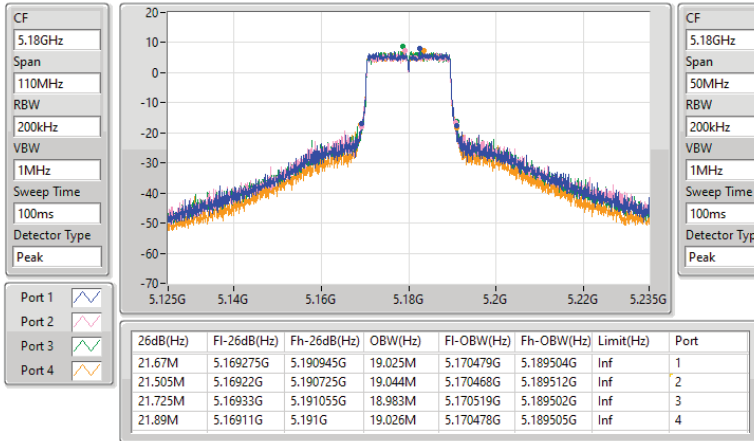


5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5180MHz

13/04/2023

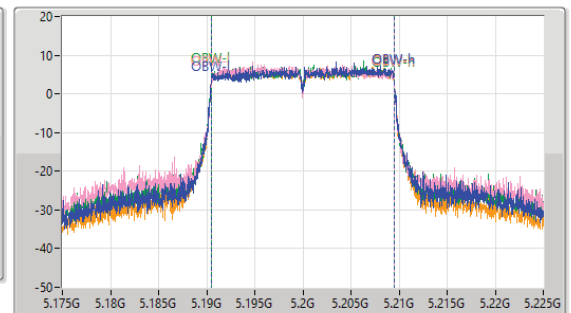


5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5200MHz

13/04/2023



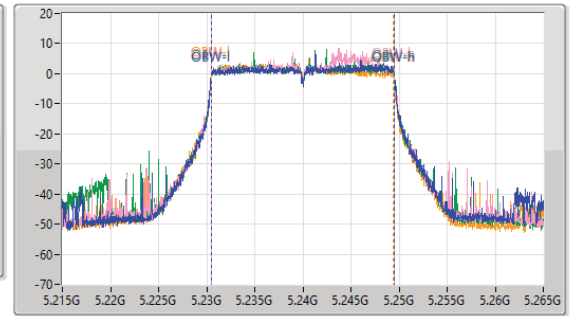
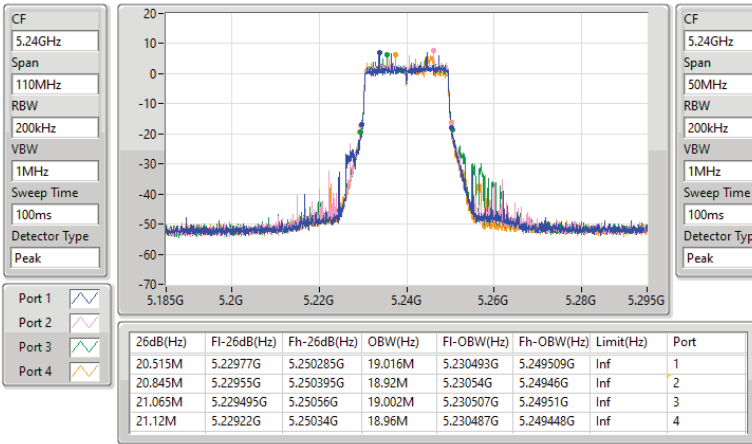


5.15-5.25GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5240MHz

13/04/2023

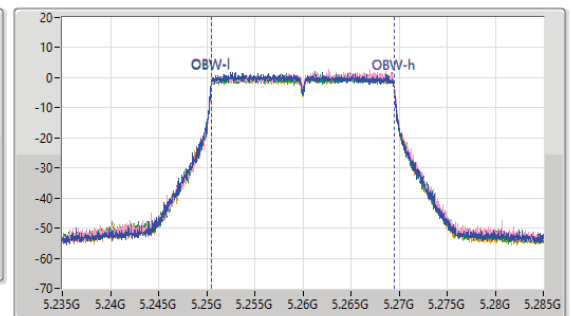
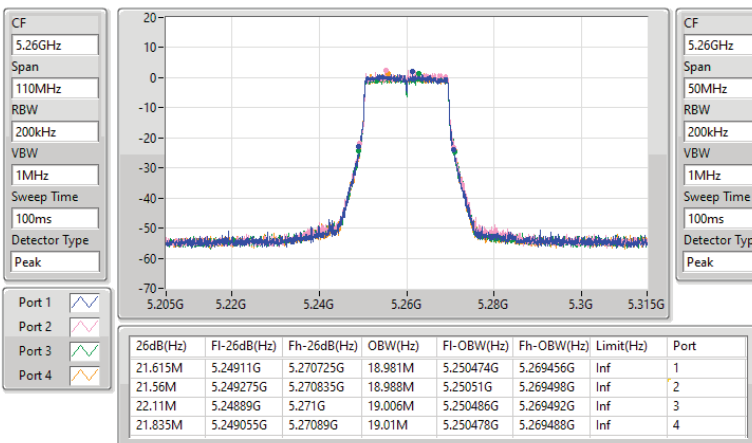


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5260MHz

31/03/2023



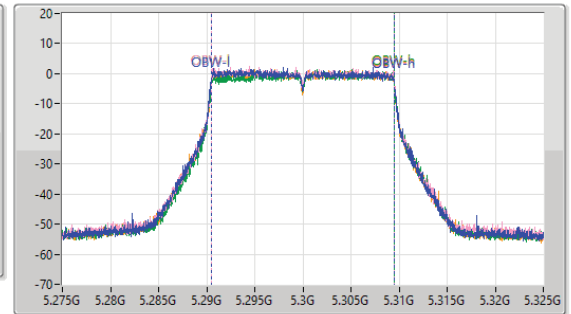
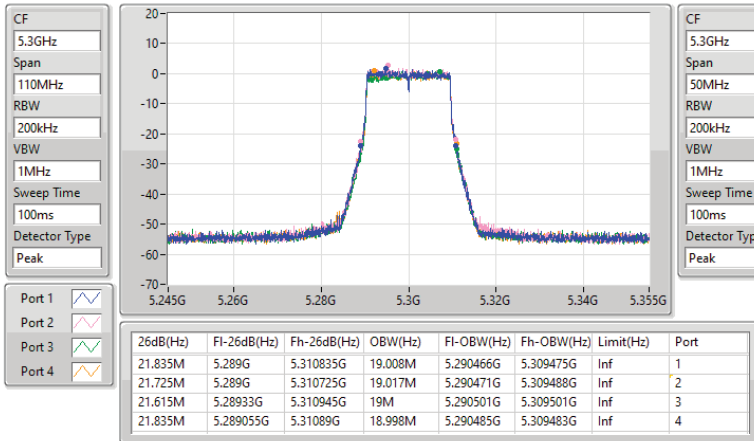


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5300MHz

31/03/2023

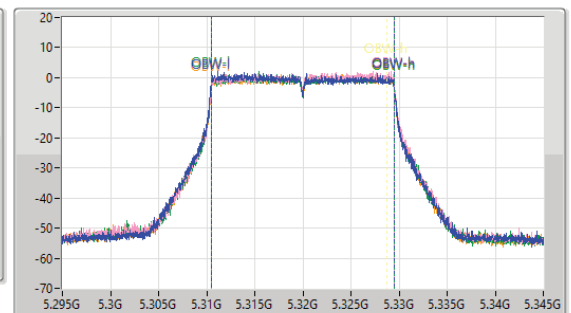
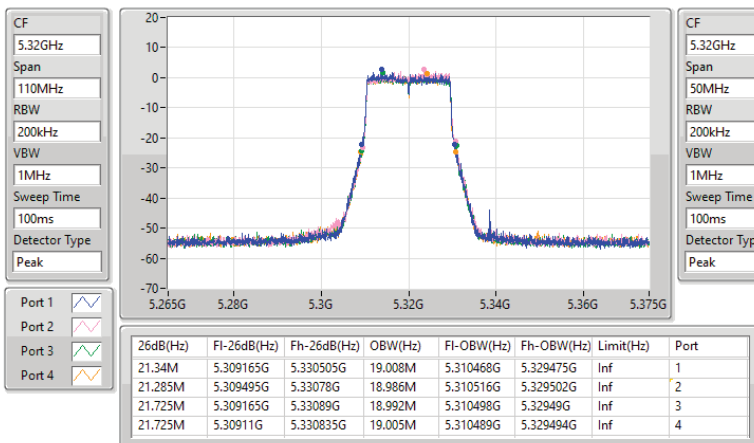


5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

EBW

5320MHz

31/03/2023



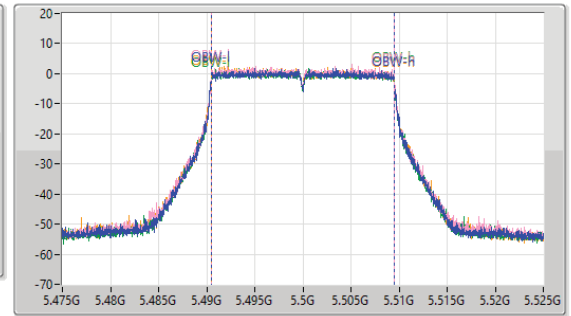
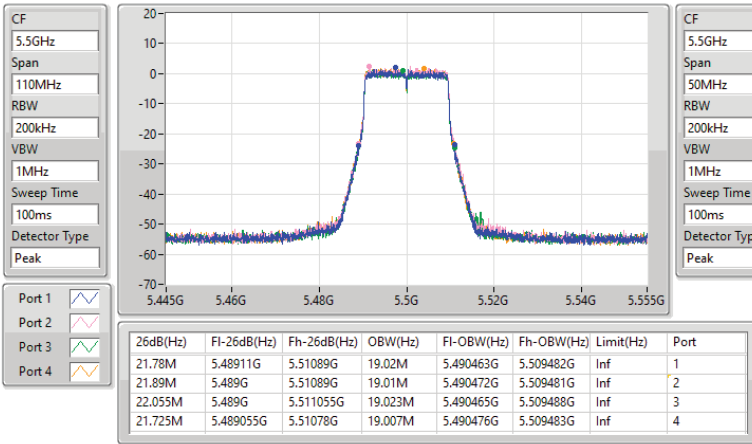


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5500MHz

31/03/2023

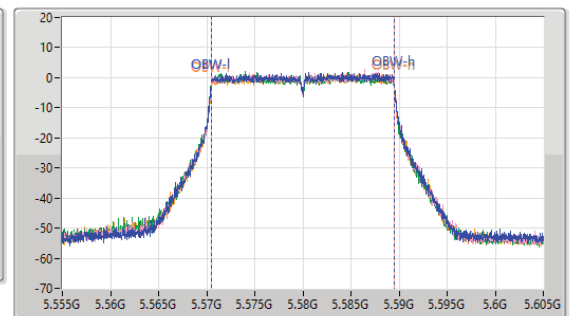
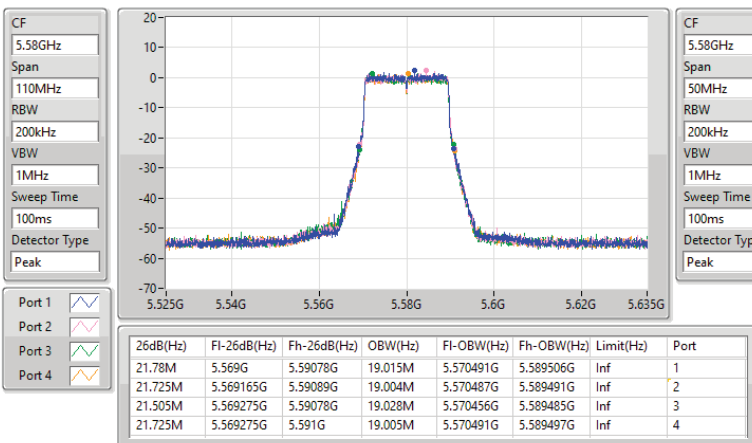


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5580MHz

31/03/2023



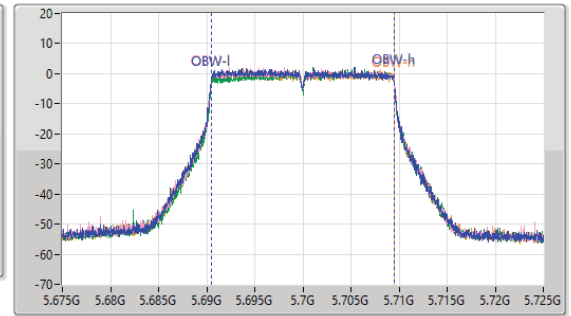
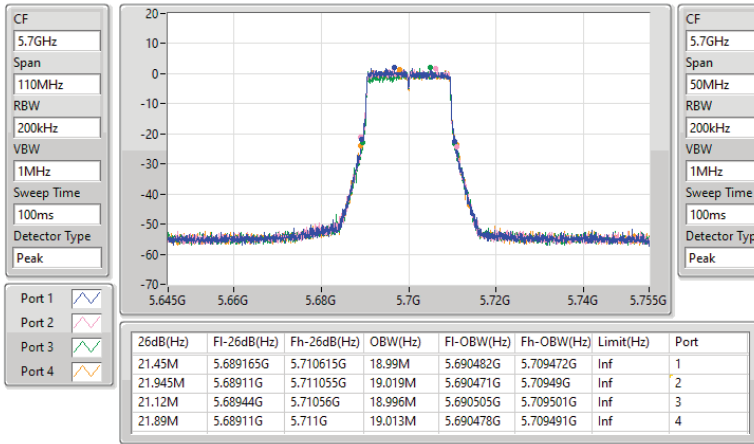


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5700MHz

31/03/2023

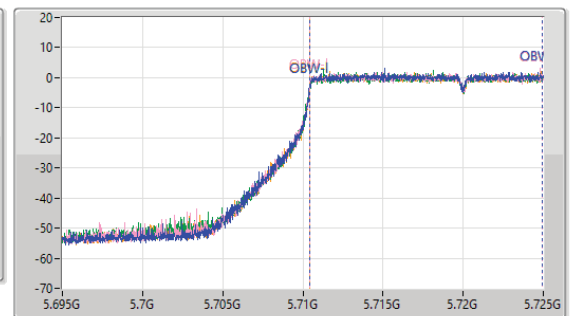
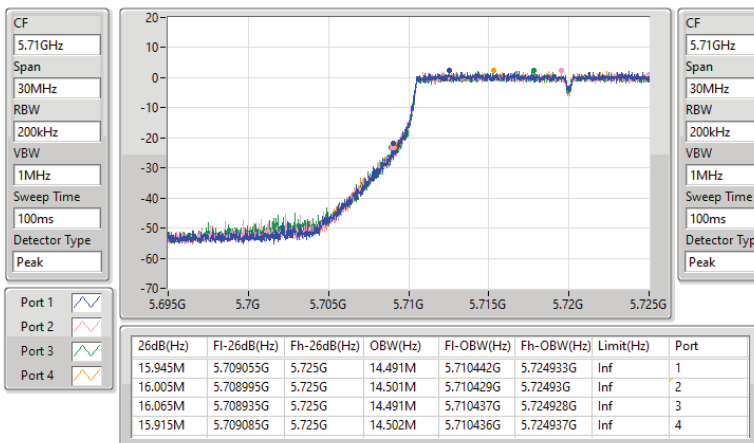


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.47-5.725GHz

31/03/2023



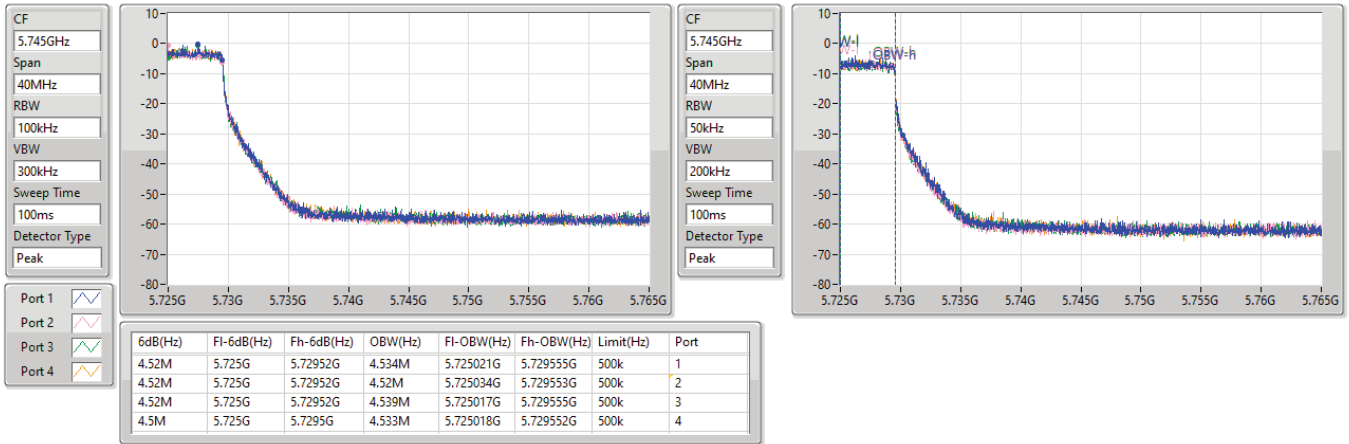


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5720MHz Straddle 5.725-5.85GHz

31/03/2023

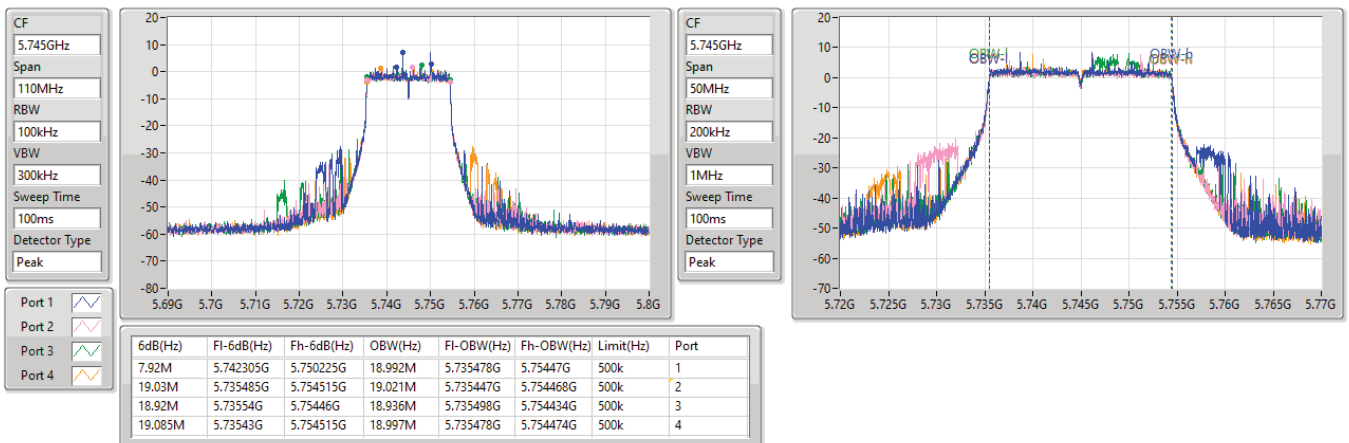


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5745MHz

31/03/2023



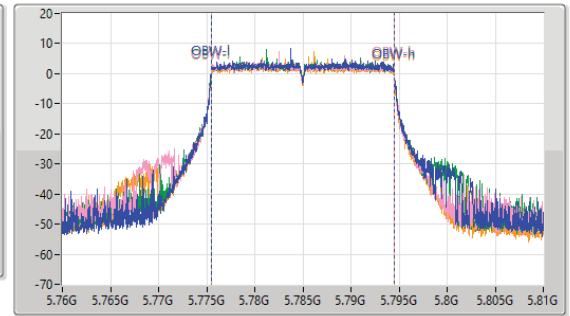
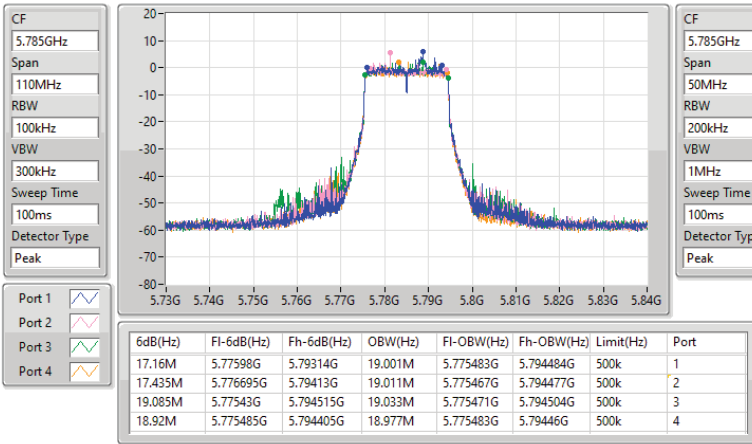


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5785MHz

31/03/2023

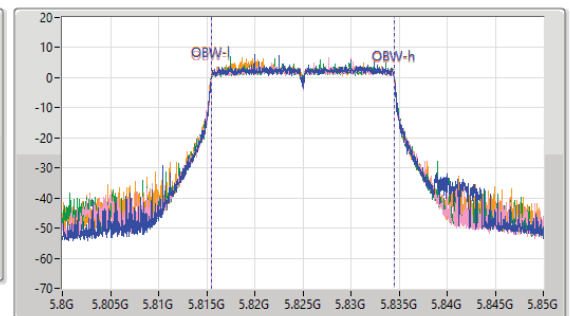
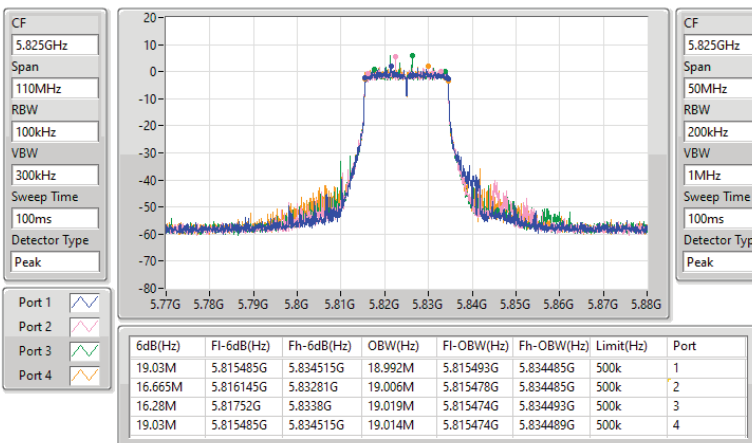


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5825MHz

31/03/2023



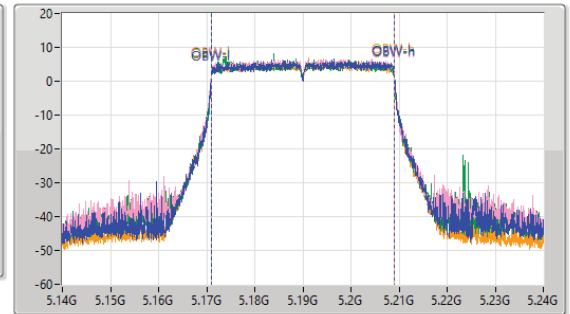
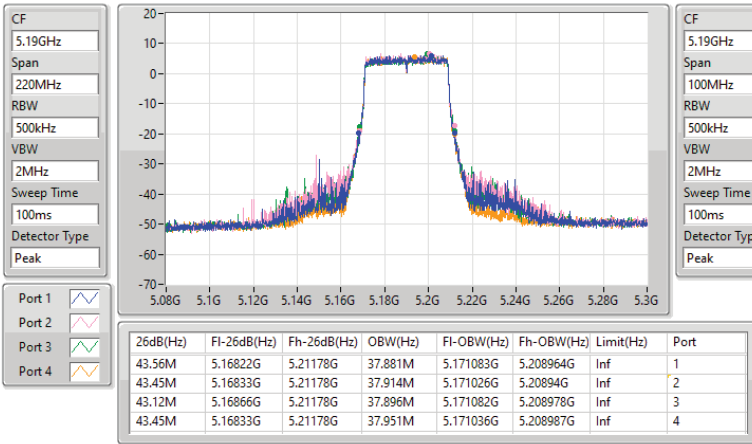


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5190MHz

31/03/2023

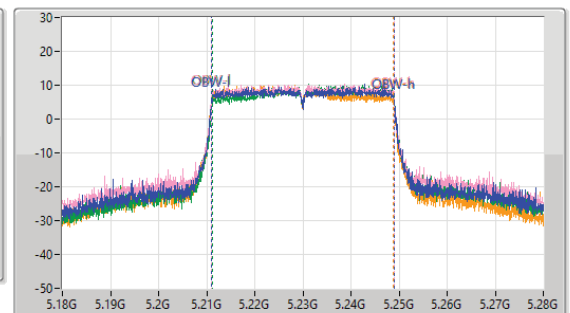
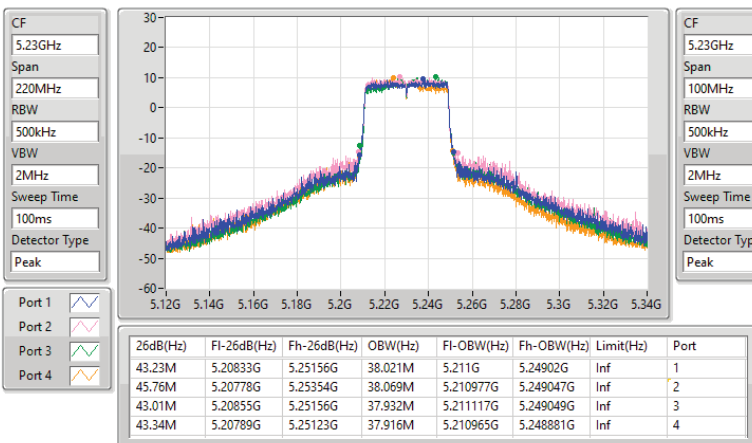


5.15-5.25GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5230MHz

13/04/2023



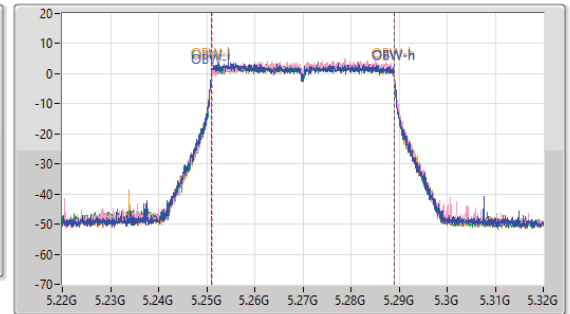
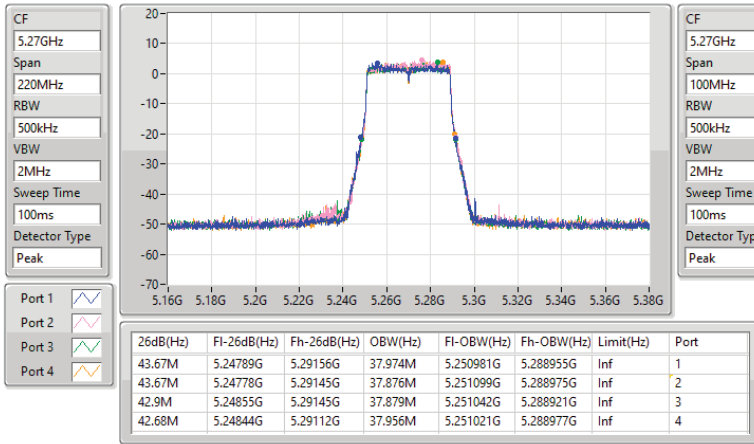


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5270MHz

31/03/2023

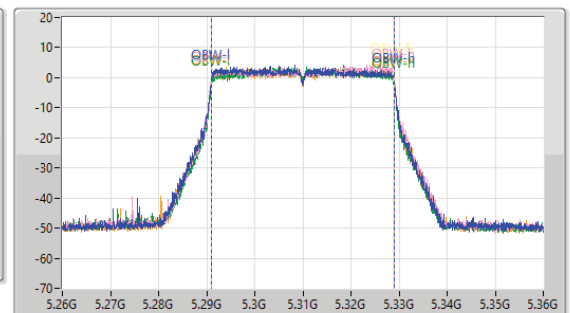
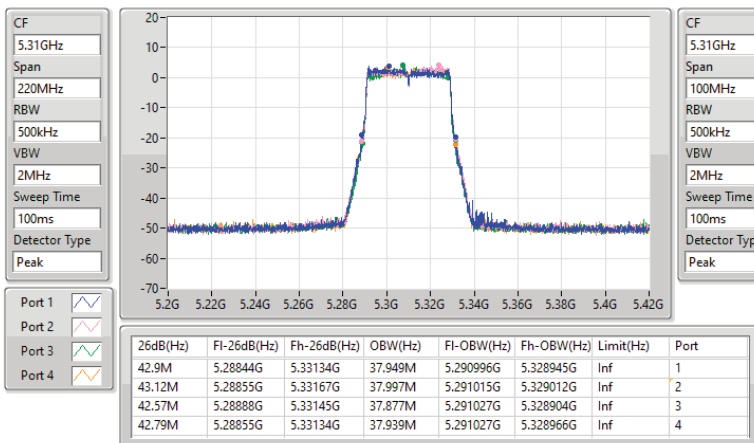


5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

EBW

5310MHz

31/03/2023



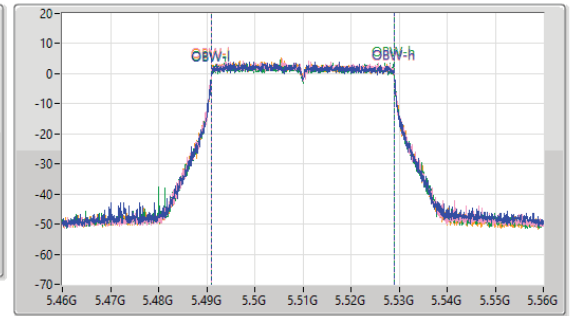
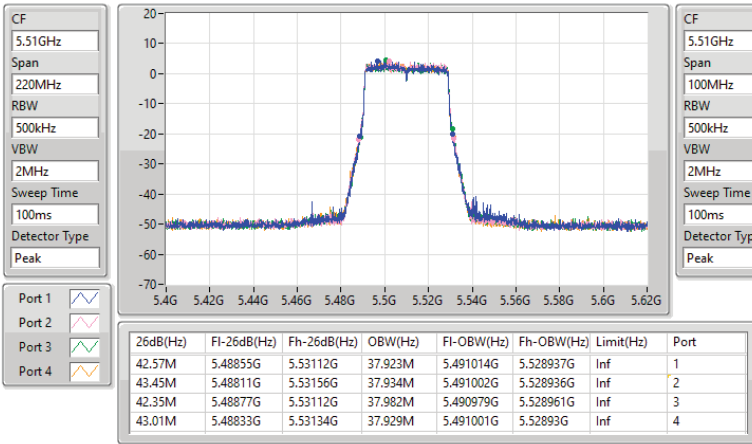


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5510MHz

31/03/2023

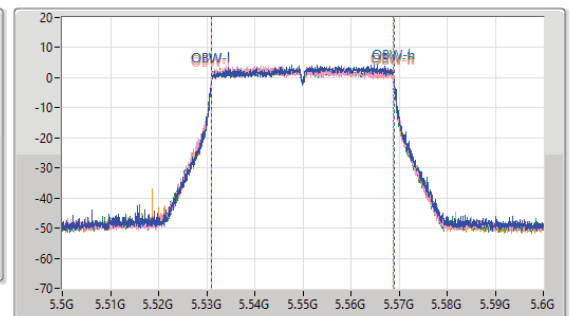
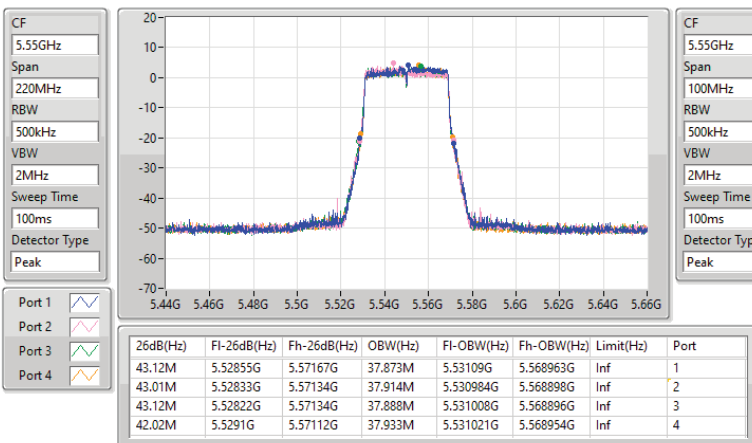


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5550MHz

31/03/2023



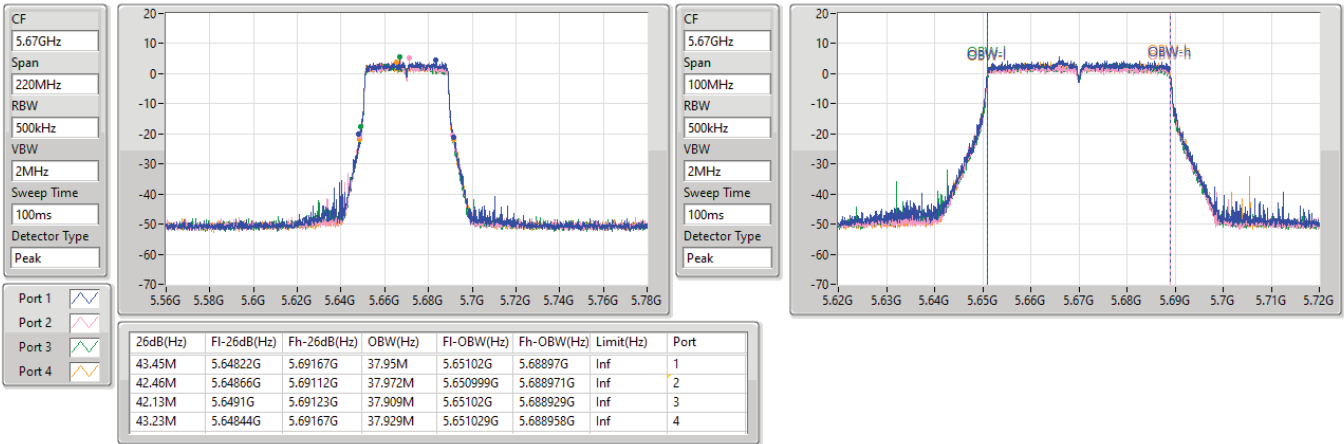


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5670MHz

31/03/2023

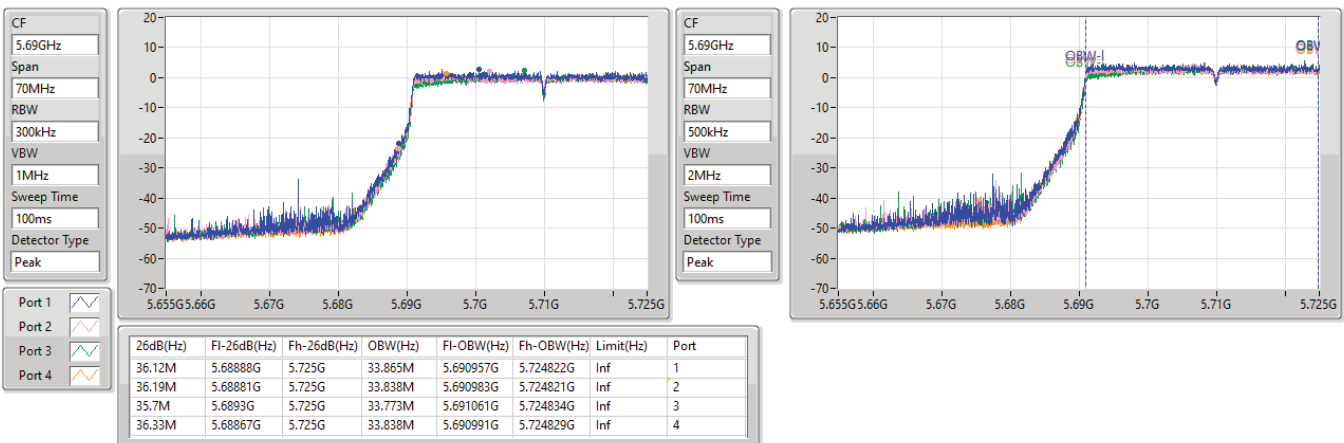


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.47-5.725GHz

31/03/2023



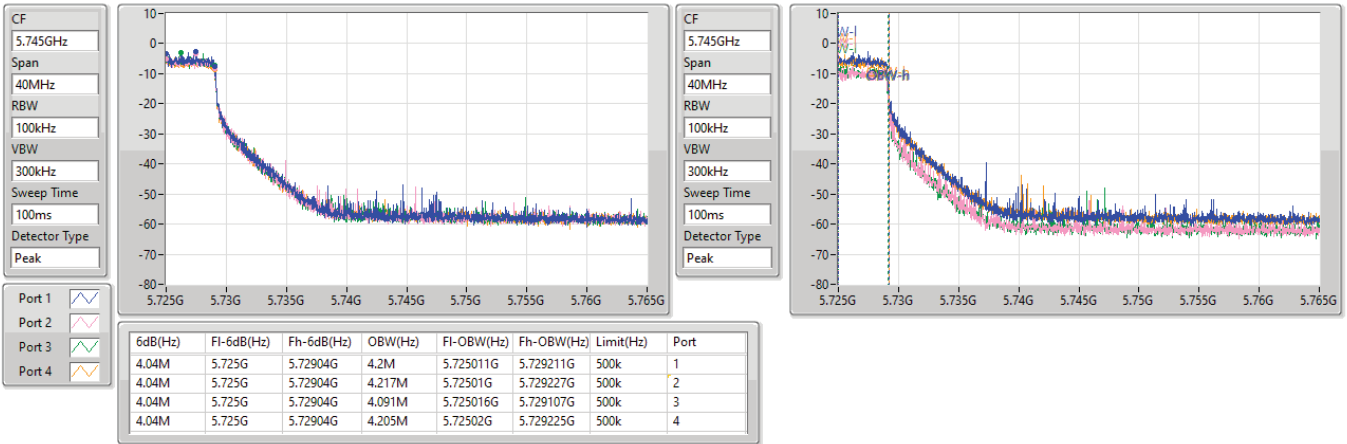


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5710MHz Straddle 5.725-5.85GHz

31/03/2023

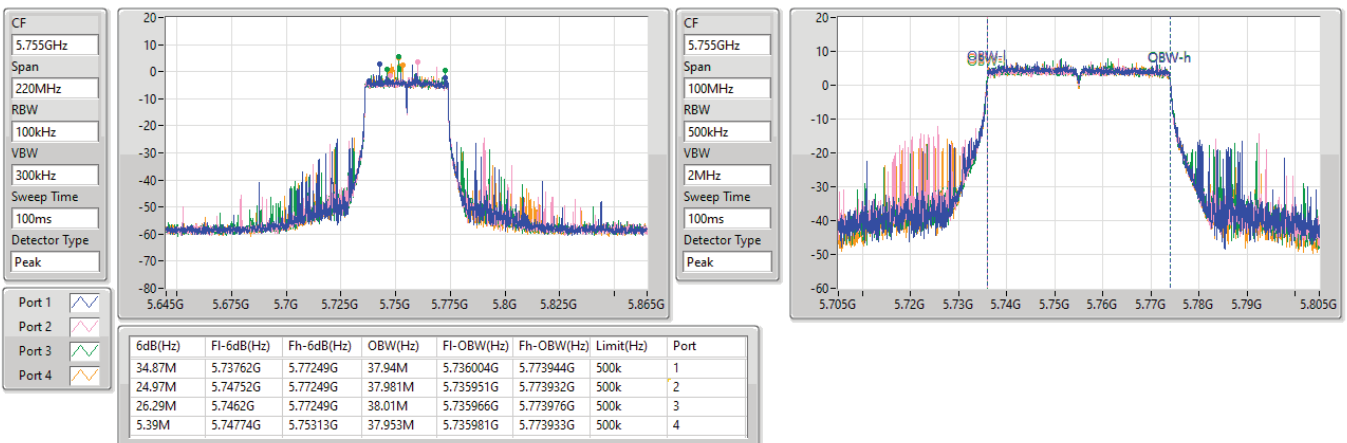


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5755MHz

31/03/2023



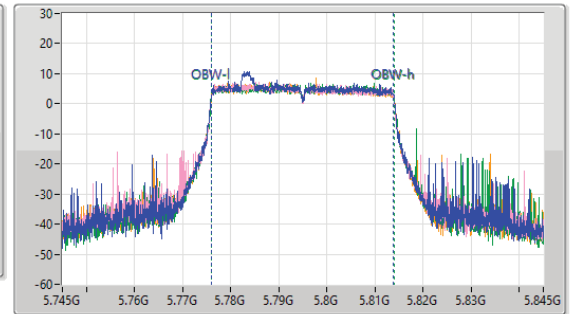
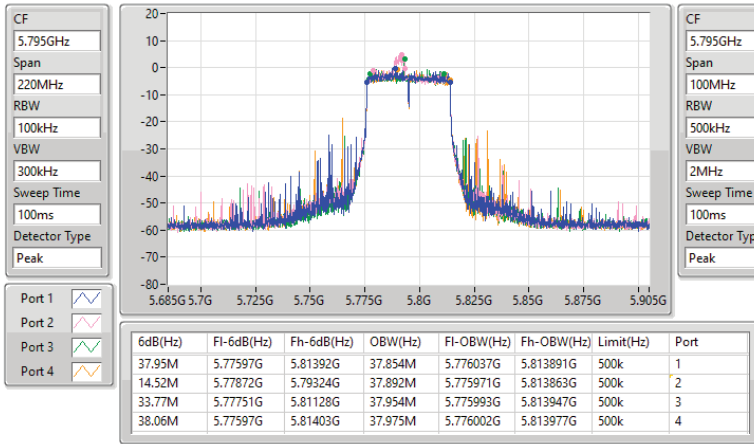


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5795MHz

31/03/2023

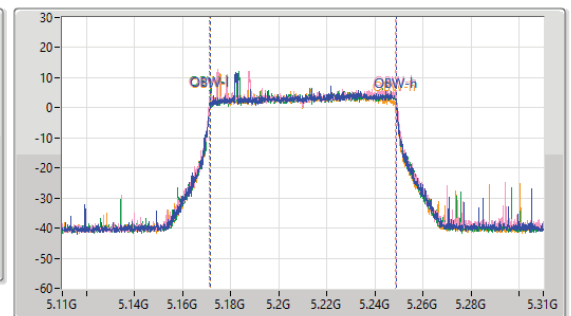
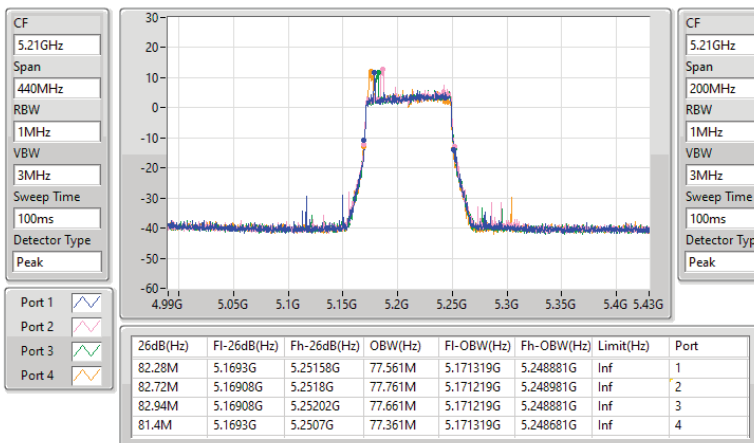


5.15-5.25GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5210MHz

30/03/2023



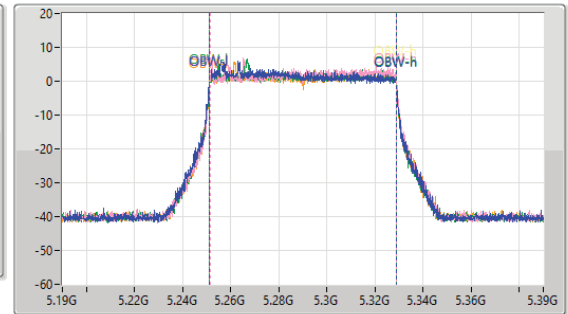
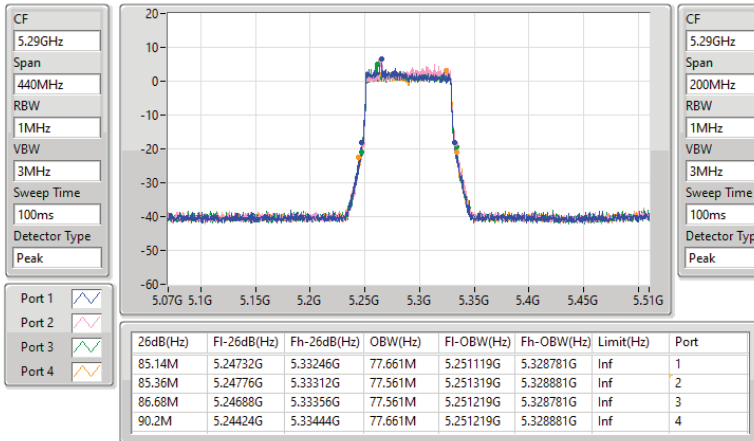


5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5290MHz

30/03/2023

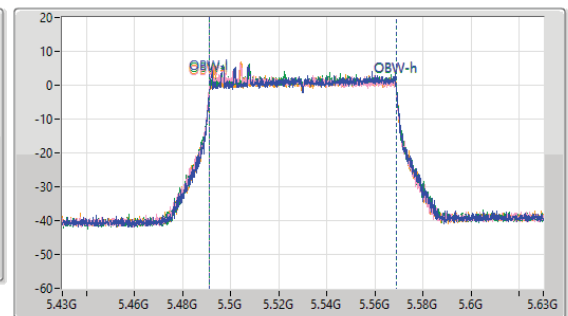
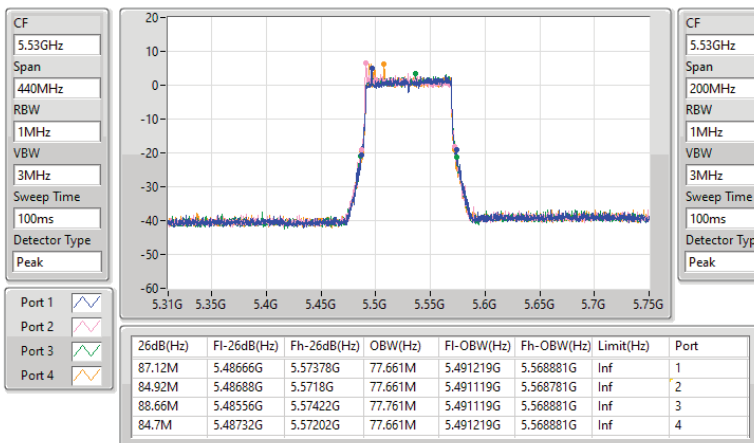


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5530MHz

30/03/2023



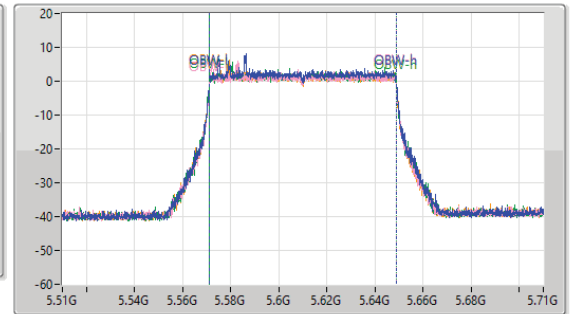
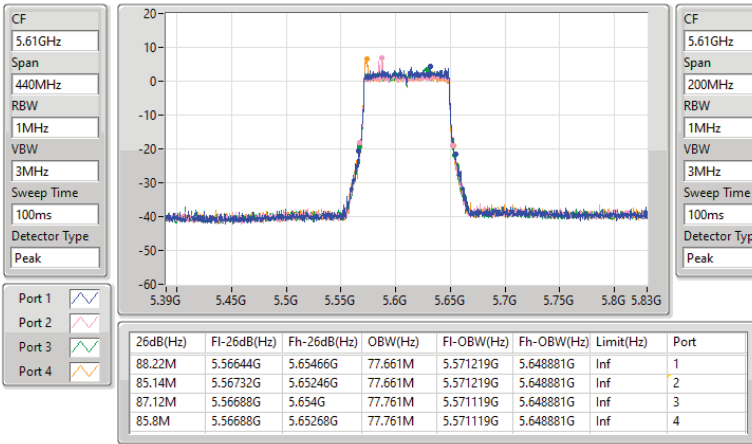


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5610MHz

30/03/2023

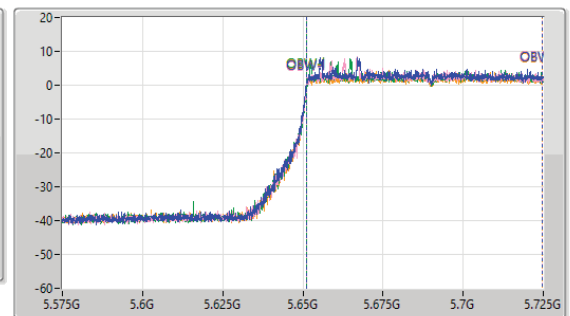
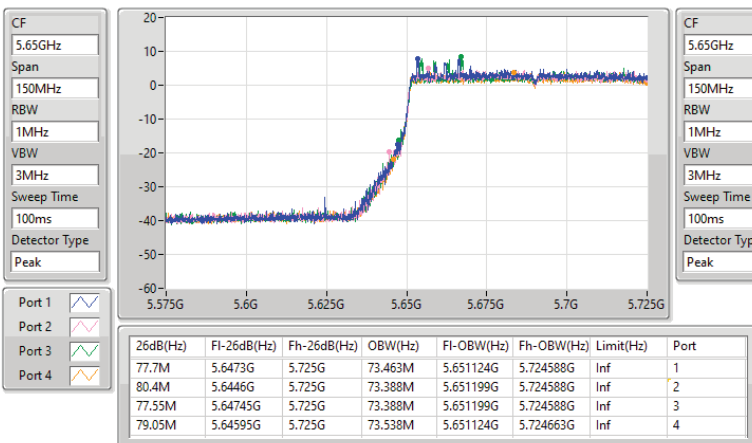


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.47-5.725GHz

30/03/2023



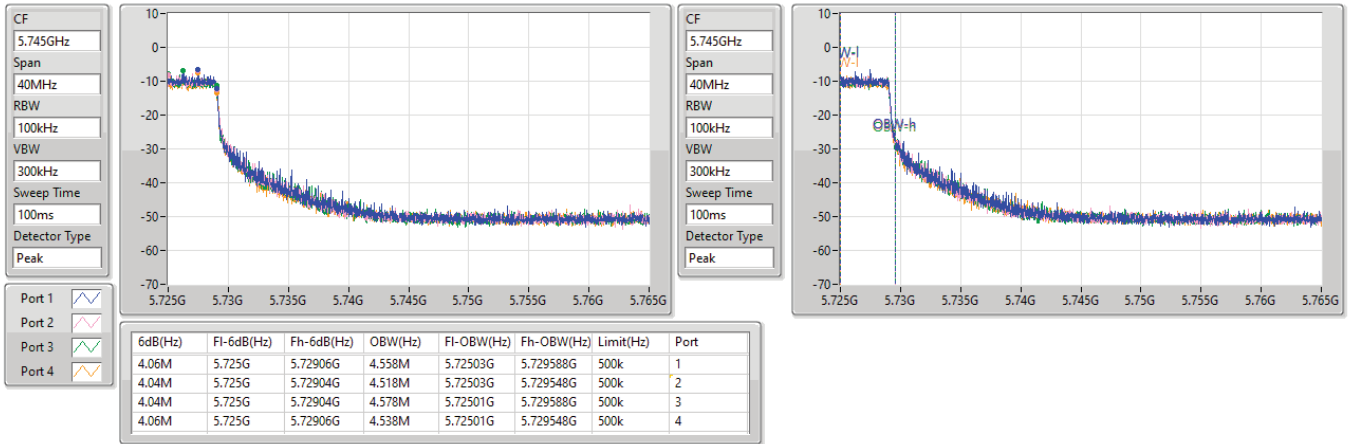


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5690MHz Straddle 5.725-5.85GHz

30/03/2023

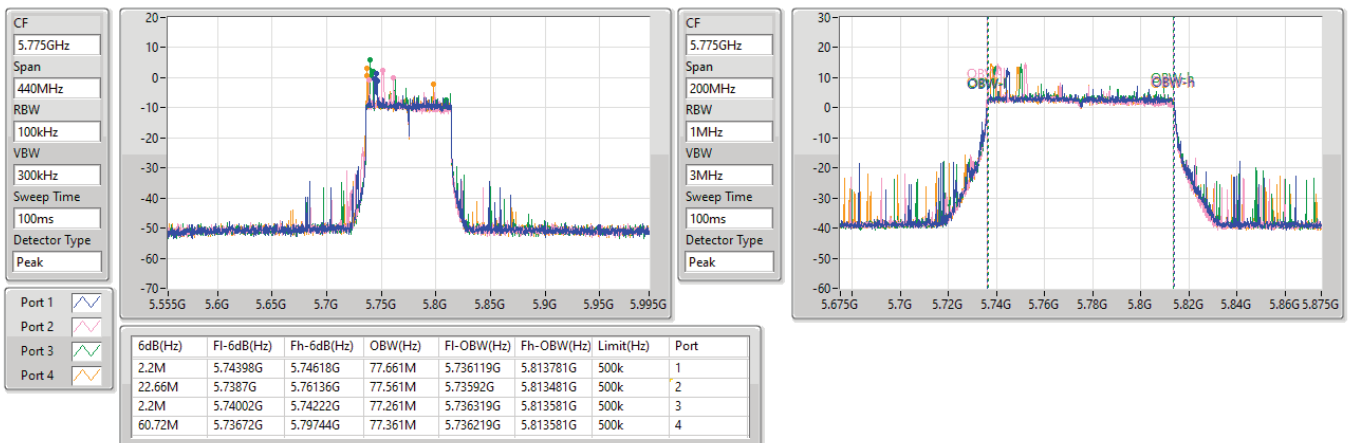


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5775MHz

30/03/2023





5.15-5.25GHz_802.11ax_HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.15-5.25GHz

30/03/2023

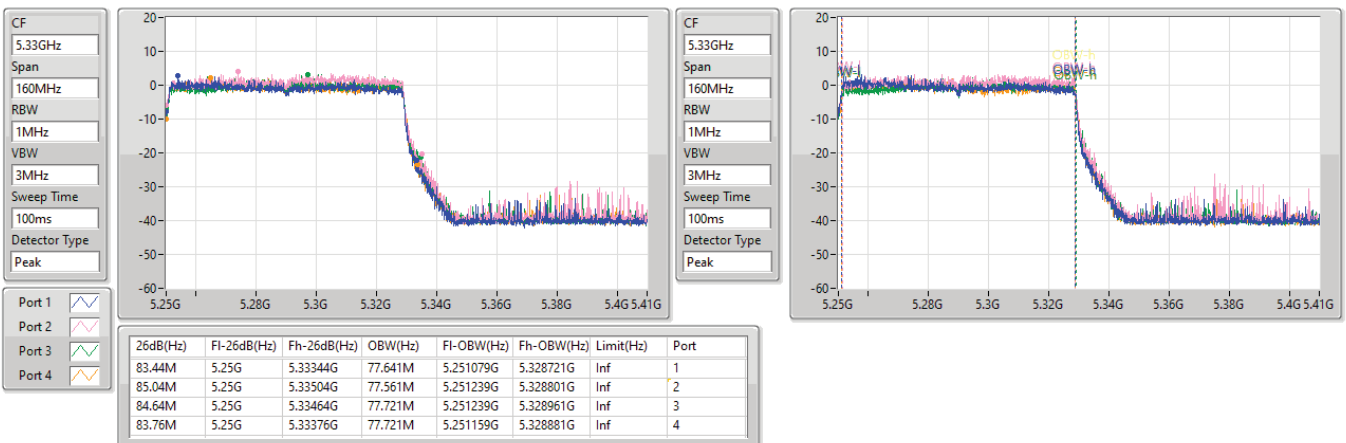


5.25-5.35GHz_802.11ax_HEW160-BF_Nss1,(MCS0)_4TX

EBW

5250MHz Straddle 5.25-5.35GHz

30/03/2023



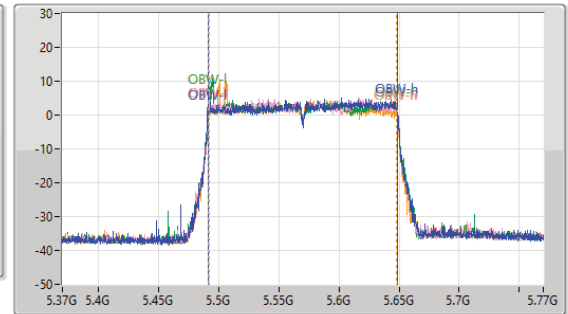
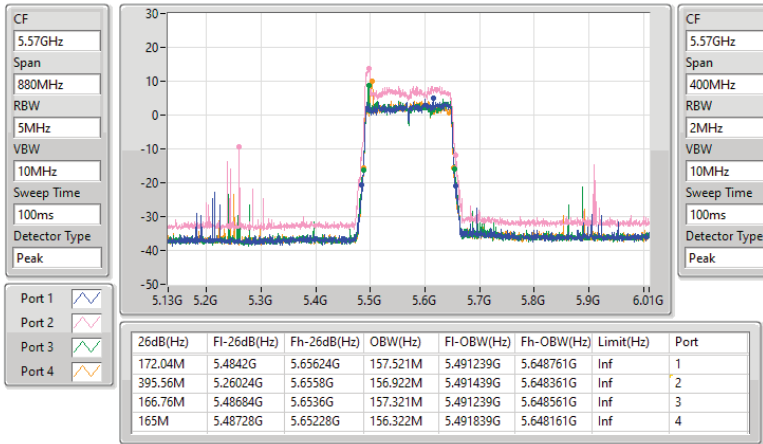


5.47-5.725GHz_802.11ax_HEW160-BF_Nss1,(MCS0)_4TX

EBW

5570MHz

30/03/2023



**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.85-5.895GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.14M	19.049M	19M0D1D	18.975M	19.001M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	38.17M	38.128M	38M1D1D	37.95M	37.961M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	78.32M	78.028M	78M0D1D	73.92M	77.817M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	158.4M	157.137M	157MD1D	152.68M	156.57M

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	500k	19.085M	19.024M	19.03M	19.001M	19.03M	19.006M	19.03M	19.027M
5865MHz	Pass	500k	19.03M	19.011M	19.03M	19.027M	18.975M	19.007M	19.085M	19.018M
5885MHz	Pass	500k	19.14M	19.007M	19.085M	19.049M	19.085M	19.016M	19.03M	19.01M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	500k	38.06M	38.032M	38.06M	38.054M	38.17M	38.015M	37.95M	38.128M
5875MHz	Pass	500k	38.06M	37.961M	38.06M	38.063M	38.06M	38.002M	38.06M	38.04M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	500k	73.92M	77.817M	78.32M	78.028M	74.8M	77.821M	77.88M	77.862M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	500k	157.52M	157.072M	158.4M	157.076M	157.96M	157.137M	152.68M	156.57M

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

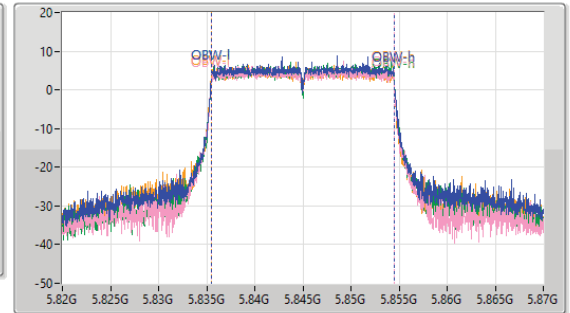
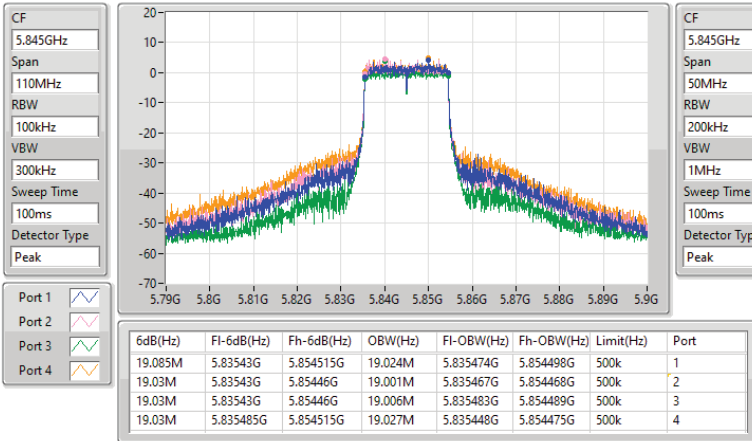


5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5845MHz

14/04/2023

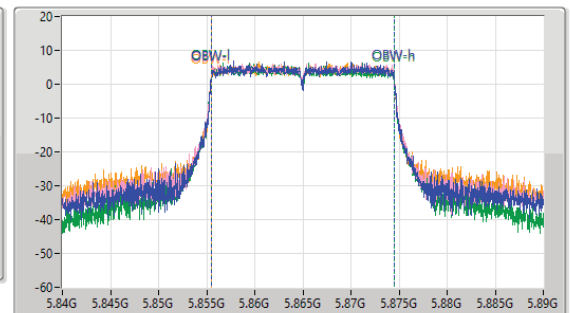
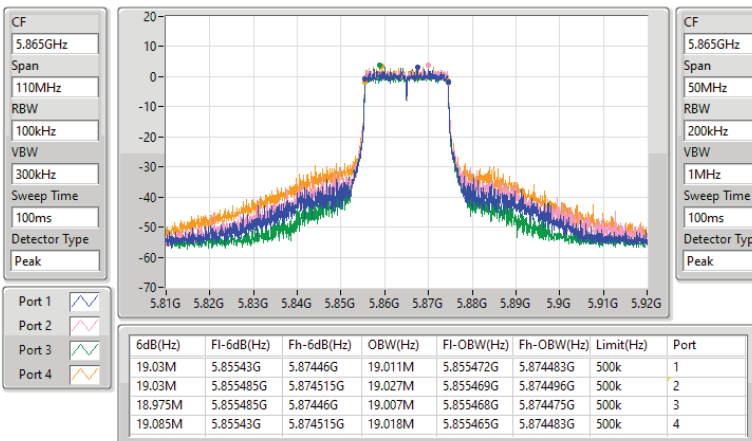


5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5865MHz

14/04/2023



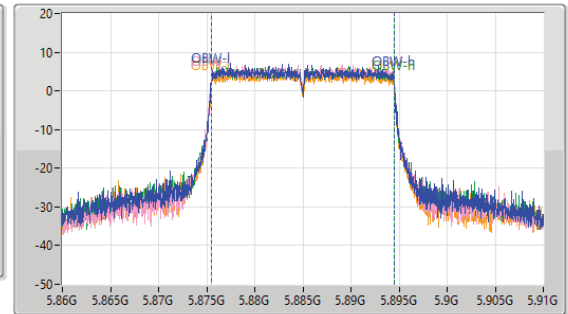
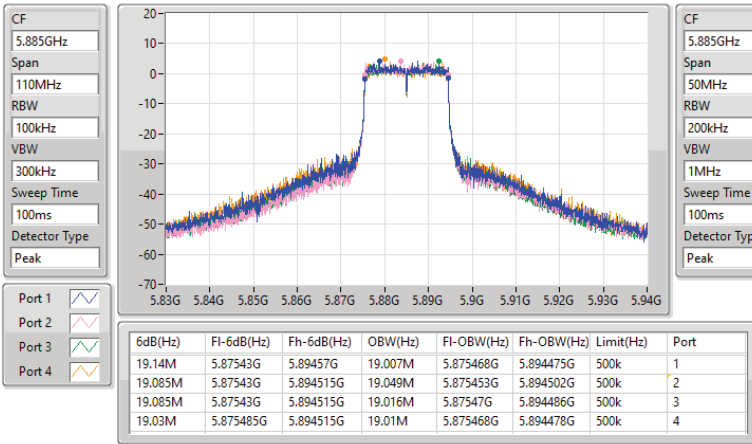


5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5885MHz

14/04/2023

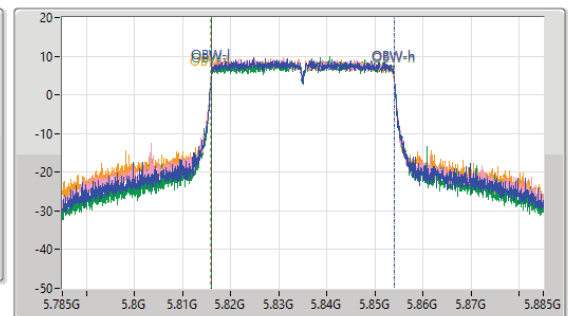
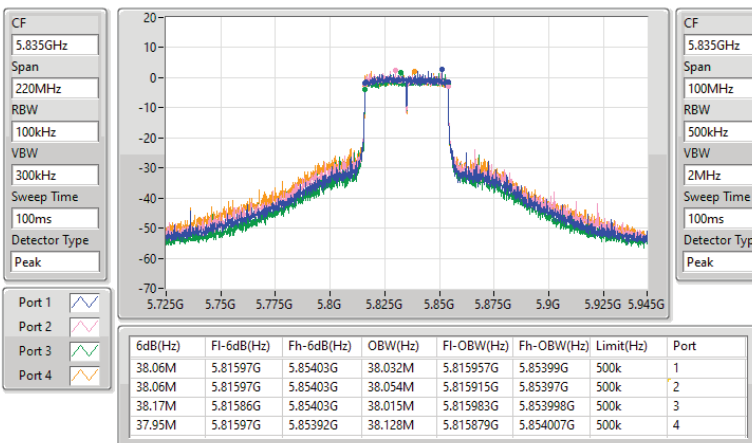


5.85-5.895GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5835MHz

13/04/2023



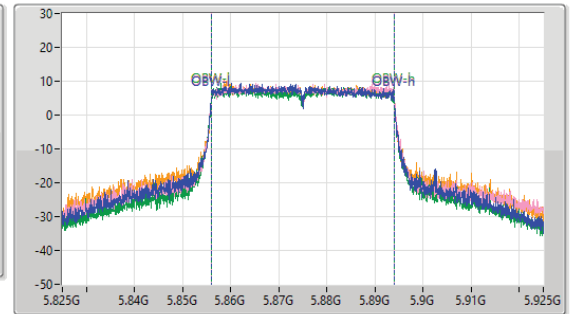
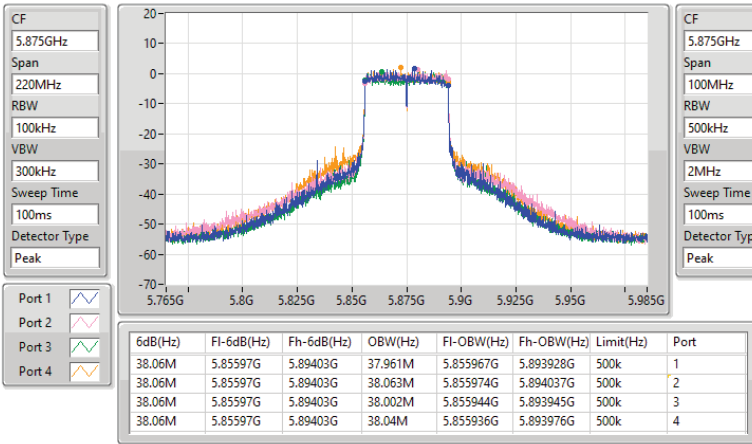


5.85-5.895GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5875MHz

14/04/2023

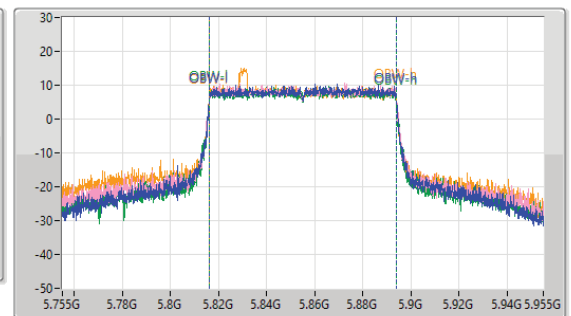
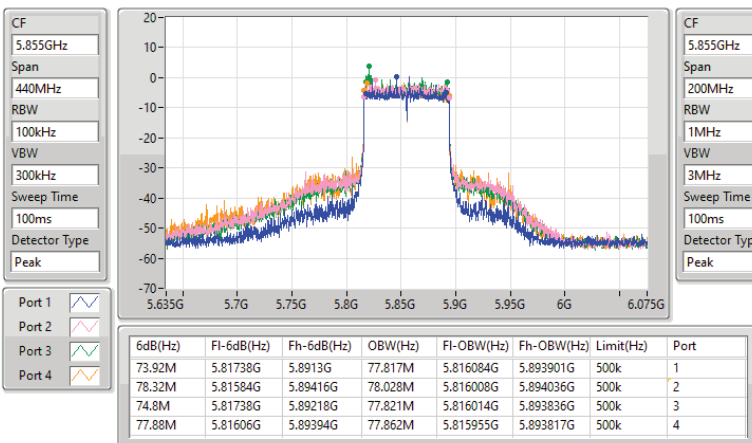


5.85-5.895GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5855MHz

14/04/2023



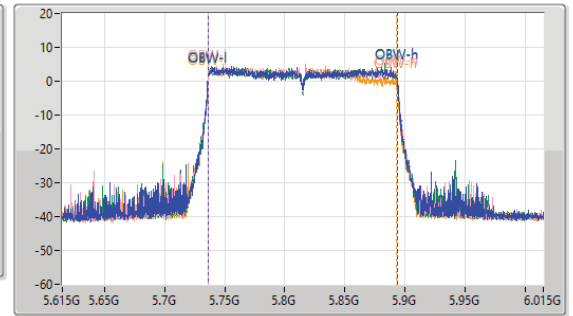
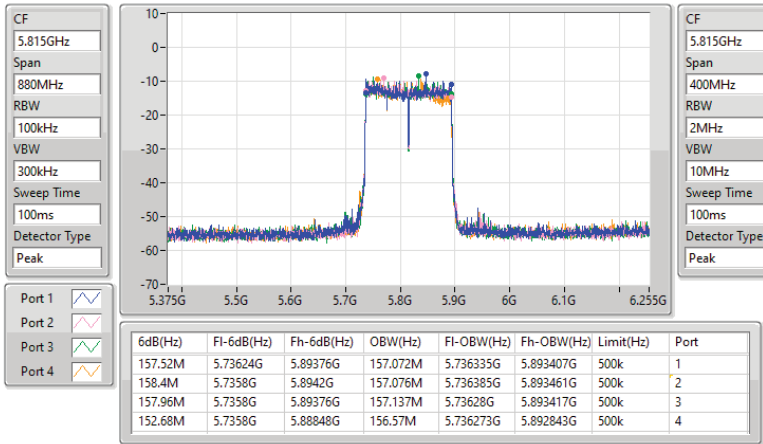


5.85-5.895GHz_802.11ax_HEW160-BF_Nss1,(MCS0)_4TX

EBW

5815MHz

14/04/2023



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	23.88	0.24434	29.68	0.92897
802.11ax HEW20_Nss1,(MCS0)_4TX	24.92	0.31046	30.72	1.18032
802.11ax HEW40_Nss1,(MCS0)_4TX	26.94	0.49431	32.74	1.87932
802.11ax HEW80_Nss1,(MCS0)_4TX	19.81	0.09572	25.61	0.36392
802.11ax HEW160_Nss1,(MCS0)_4TX	13.30	0.02138	19.10	0.08128
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.32	0.06792	24.12	0.25823
802.11ax HEW20_Nss1,(MCS0)_4TX	18.99	0.07925	24.79	0.30130
802.11ax HEW40_Nss1,(MCS0)_4TX	21.28	0.13428	27.08	0.51050
802.11ax HEW80_Nss1,(MCS0)_4TX	17.39	0.05483	23.19	0.20845
802.11ax HEW160_Nss1,(MCS0)_4TX	14.14	0.02594	19.94	0.09863
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	18.09	0.06442	23.99	0.25061
802.11ax HEW20_Nss1,(MCS0)_4TX	19.33	0.08570	25.23	0.33343
802.11ax HEW40_Nss1,(MCS0)_4TX	21.91	0.15524	27.81	0.60395
802.11ax HEW80_Nss1,(MCS0)_4TX	23.55	0.22646	29.45	0.88105
802.11ax HEW160_Nss1,(MCS0)_4TX	19.87	0.09705	25.77	0.37757
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	24.71	0.29580	30.41	1.09901
802.11ax HEW20_Nss1,(MCS0)_4TX	24.44	0.27797	30.14	1.03276
802.11ax HEW40_Nss1,(MCS0)_4TX	26.59	0.45604	32.29	1.69434
802.11ax HEW80_Nss1,(MCS0)_4TX	23.70	0.23442	29.40	0.87096



Average Power_5150-5850(MHz)_Non-Beamforming

Appendix C.1

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	5.80	17.65	17.74	17.71	17.44	23.66	30.00	29.46	36.00
5200MHz	Pass	5.80	17.91	17.95	17.85	17.73	23.88	30.00	29.68	36.00
5240MHz	Pass	5.80	17.80	18.15	17.76	17.60	23.85	30.00	29.65	36.00
5260MHz	Pass	5.80	12.41	12.58	12.14	12.06	18.32	23.73	24.12	29.73
5300MHz	Pass	5.80	12.51	12.55	12.12	11.87	18.29	23.68	24.09	29.68
5320MHz	Pass	5.80	11.87	12.29	11.83	11.91	18.00	23.73	23.80	29.73
5500MHz	Pass	5.90	11.57	12.09	11.82	12.22	17.95	23.69	23.85	29.69
5580MHz	Pass	5.90	12.09	12.12	12.05	12.03	18.09	23.73	23.99	29.73
5700MHz	Pass	5.90	12.09	12.06	11.39	11.48	17.79	23.76	23.69	29.76
5720MHz Straddle 5.47-5.725GHz	Pass	5.90	11.16	10.99	10.87	10.58	16.93	22.50	22.83	28.50
5720MHz Straddle 5.725-5.85GHz	Pass	5.70	4.45	4.44	4.13	3.80	10.23	30.00	15.93	36.00
5745MHz	Pass	5.70	18.76	18.86	18.59	18.54	24.71	30.00	30.41	36.00
5785MHz	Pass	5.70	18.39	18.64	18.50	18.14	24.44	30.00	30.14	36.00
5825MHz	Pass	5.70	18.20	18.03	17.95	17.86	24.03	30.00	29.73	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	5.80	17.10	17.20	17.11	16.91	23.10	30.00	28.90	36.00
5200MHz	Pass	5.80	19.00	18.98	18.98	18.61	24.92	30.00	30.72	36.00
5240MHz	Pass	5.80	18.92	19.09	18.76	18.37	24.81	30.00	30.61	36.00
5260MHz	Pass	5.80	12.96	13.04	12.61	12.33	18.76	23.98	24.56	30.00
5300MHz	Pass	5.80	13.16	13.27	12.95	12.45	18.99	23.98	24.79	30.00
5320MHz	Pass	5.80	12.90	13.18	12.78	12.18	18.80	23.98	24.60	30.00
5500MHz	Pass	5.90	12.58	13.12	12.80	13.13	18.93	23.98	24.83	30.00
5580MHz	Pass	5.90	13.41	13.41	13.39	13.03	19.33	23.98	25.23	30.00
5700MHz	Pass	5.90	13.18	12.93	12.43	12.58	18.81	23.98	24.71	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.90	11.35	11.62	11.19	11.06	17.33	22.85	23.23	28.85
5720MHz Straddle 5.725-5.85GHz	Pass	5.70	5.64	5.76	5.55	5.39	11.61	30.00	17.31	36.00
5745MHz	Pass	5.70	18.27	18.40	18.12	18.04	24.23	30.00	29.93	36.00
5785MHz	Pass	5.70	18.41	18.58	18.62	18.06	24.44	30.00	30.14	36.00
5825MHz	Pass	5.70	17.83	17.69	17.76	17.39	23.69	30.00	29.39	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	5.80	15.14	15.17	15.21	15.04	21.16	30.00	26.96	36.00
5230MHz	Pass	5.80	21.06	21.03	20.89	20.68	26.94	30.00	32.74	36.00
5270MHz	Pass	5.80	15.33	15.65	15.03	14.98	21.28	23.98	27.08	30.00
5310MHz	Pass	5.80	14.21	14.22	13.81	13.48	19.96	23.98	25.76	30.00
5510MHz	Pass	5.90	15.52	15.94	15.80	15.87	21.81	23.98	27.71	30.00
5550MHz	Pass	5.90	15.70	16.06	16.10	15.68	21.91	23.98	27.81	30.00
5670MHz	Pass	5.90	16.12	15.84	15.65	15.67	21.84	23.98	27.74	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.90	15.40	15.36	15.07	15.09	21.25	23.98	27.15	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	5.70	5.12	4.74	4.38	4.47	10.71	30.00	16.41	36.00
5755MHz	Pass	5.70	18.45	18.67	18.42	18.07	24.43	30.00	30.13	36.00
5795MHz	Pass	5.70	20.37	20.83	20.42	20.64	26.59	30.00	32.29	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	5.80	13.88	14.13	13.58	13.53	19.81	30.00	25.61	36.00
5290MHz	Pass	5.80	11.37	11.67	11.42	11.01	17.39	23.98	23.19	30.00
5530MHz	Pass	5.90	15.55	15.75	15.64	15.57	21.65	23.98	27.55	30.00
5610MHz	Pass	5.90	17.51	17.44	17.10	17.10	23.31	23.98	29.21	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.90	17.91	17.51	17.32	17.35	23.55	23.98	29.45	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	5.70	3.63	3.21	2.93	2.86	9.19	30.00	14.89	36.00
5775MHz	Pass	5.70	17.70	17.53	17.84	17.66	23.70	30.00	29.40	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	5.80	7.34	7.59	7.07	7.08	13.30	30.00	19.10	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	5.80	8.06	8.67	7.94	7.76	14.14	23.98	19.94	30.00
5570MHz	Pass	5.90	13.70	14.22	13.84	13.61	19.87	23.98	25.77	30.00

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

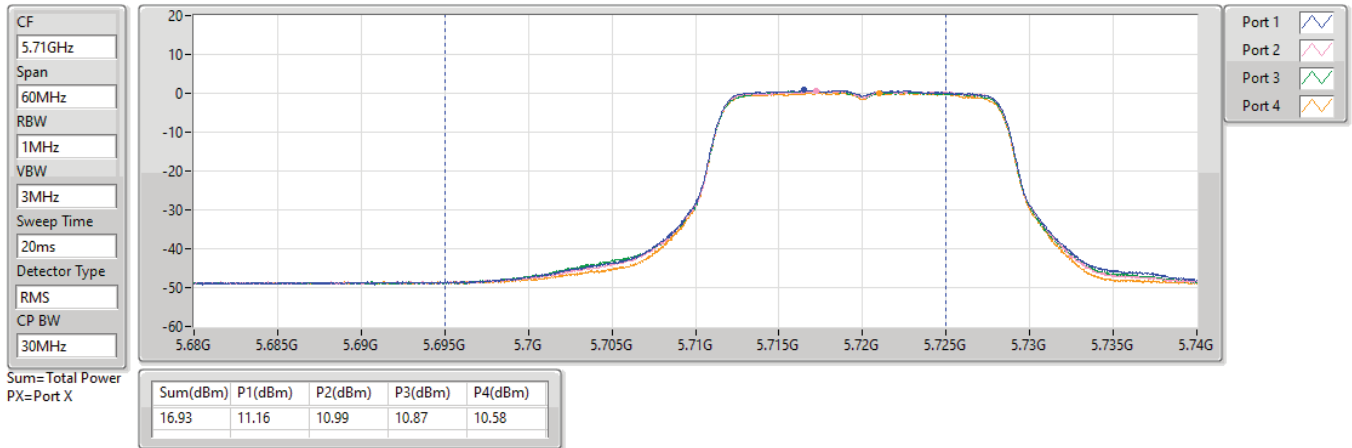


5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

30/03/2023

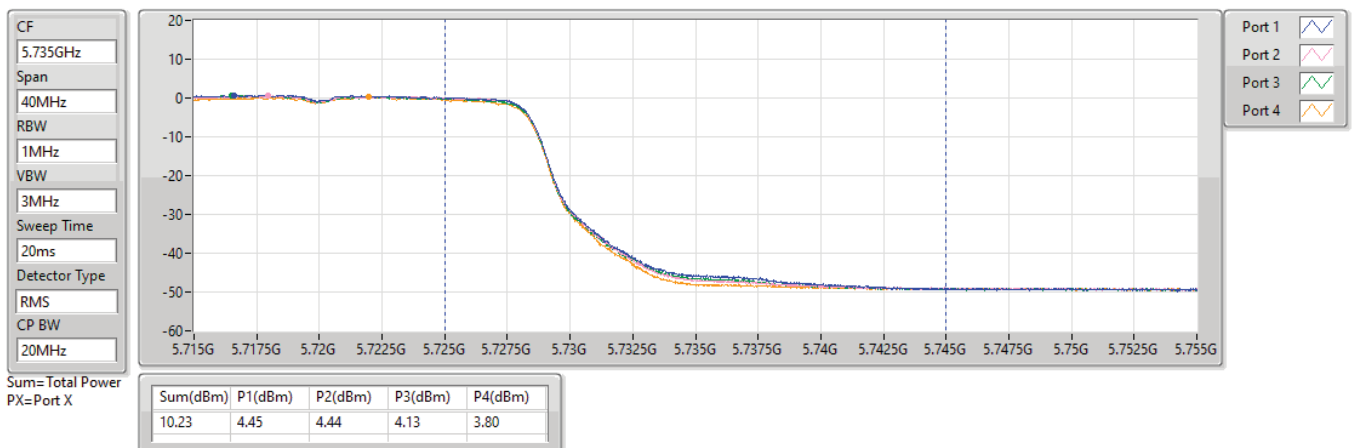


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

30/03/2023

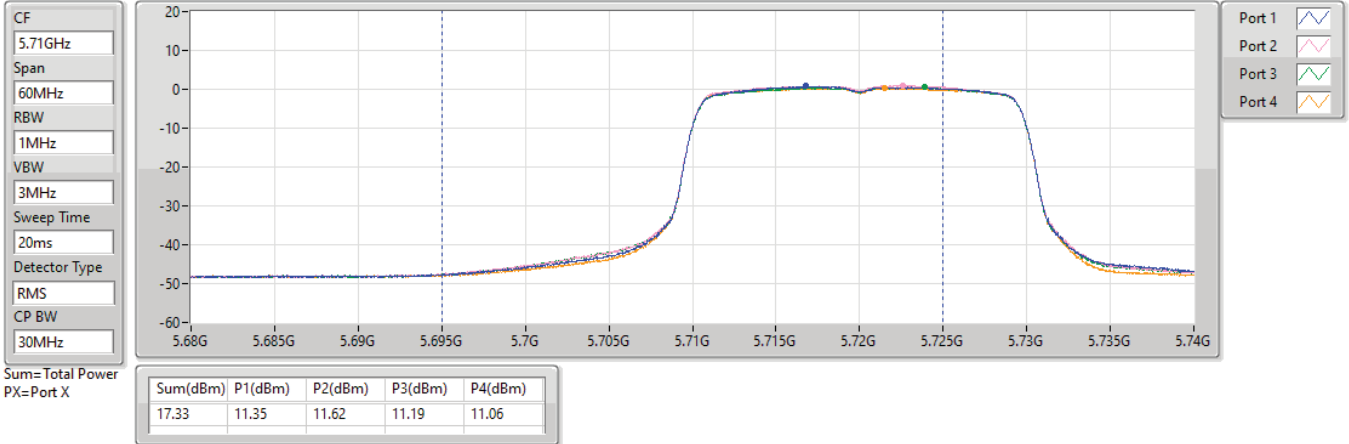


5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

30/03/2023

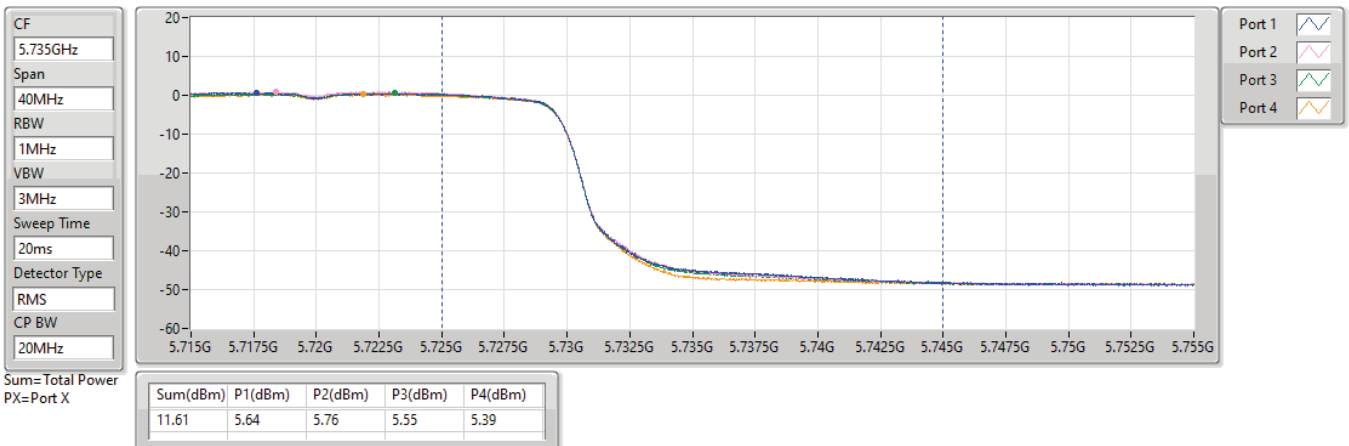


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

30/03/2023

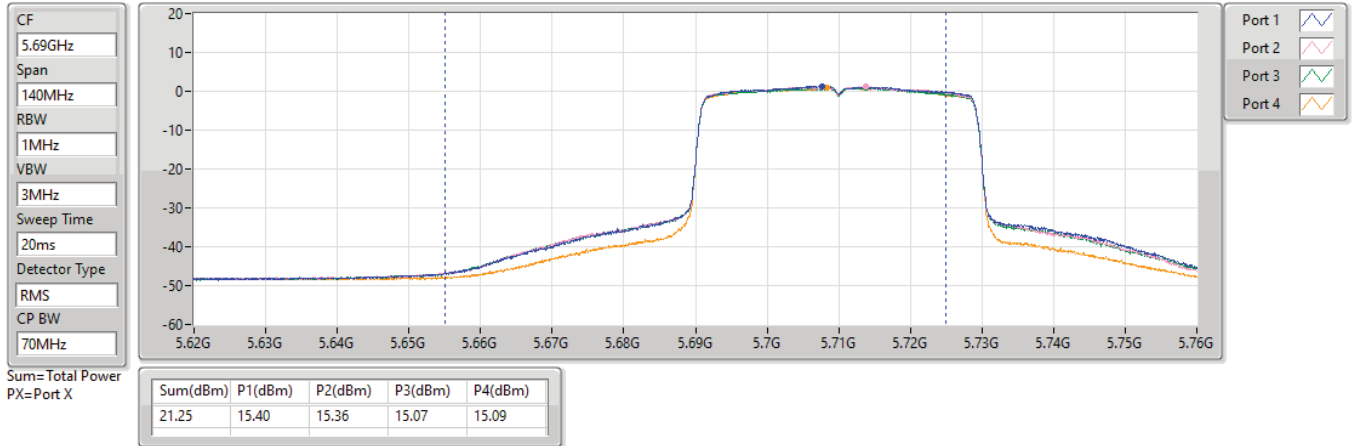


5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

30/03/2023

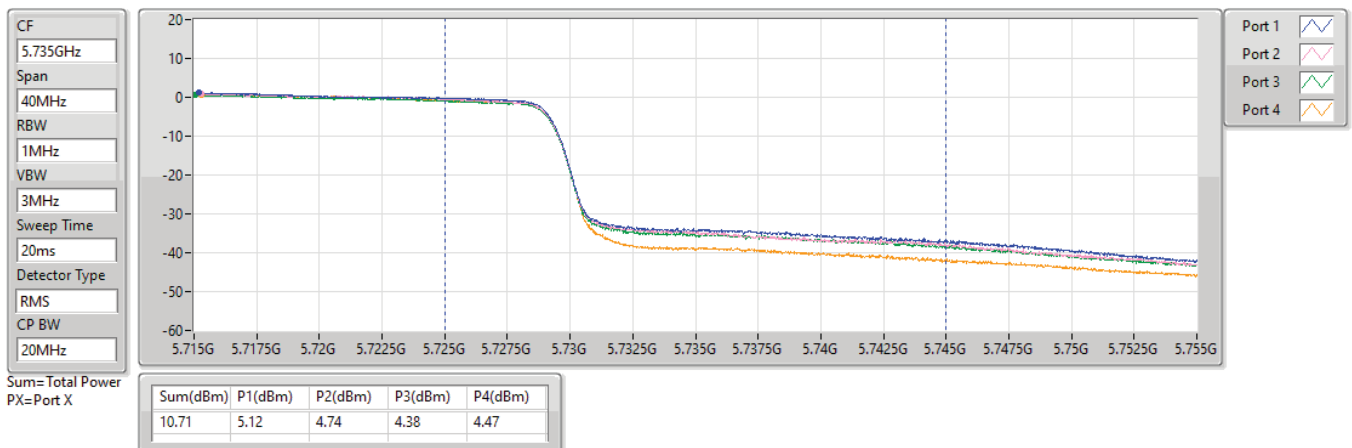


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

30/03/2023

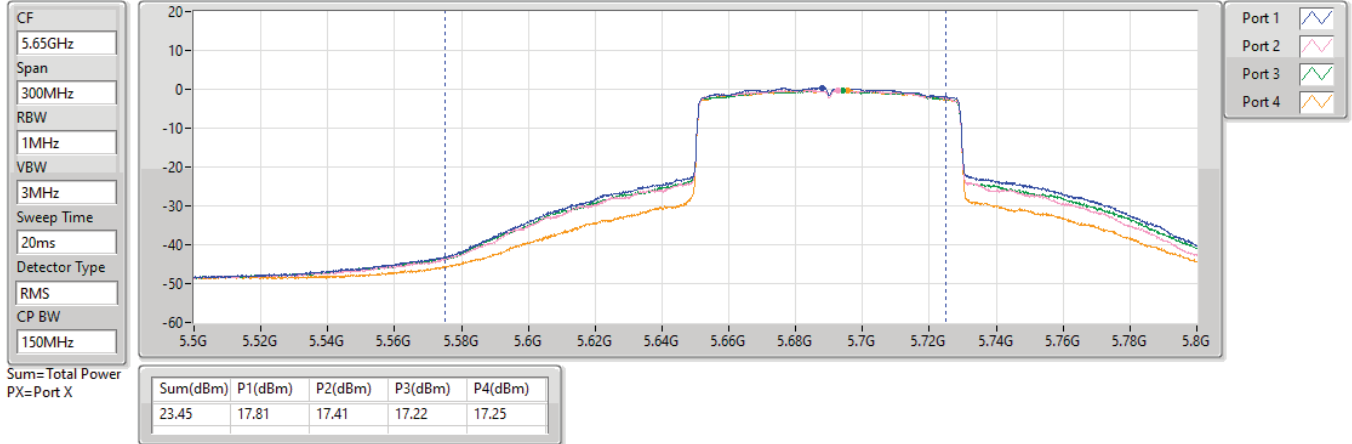


5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

30/03/2023

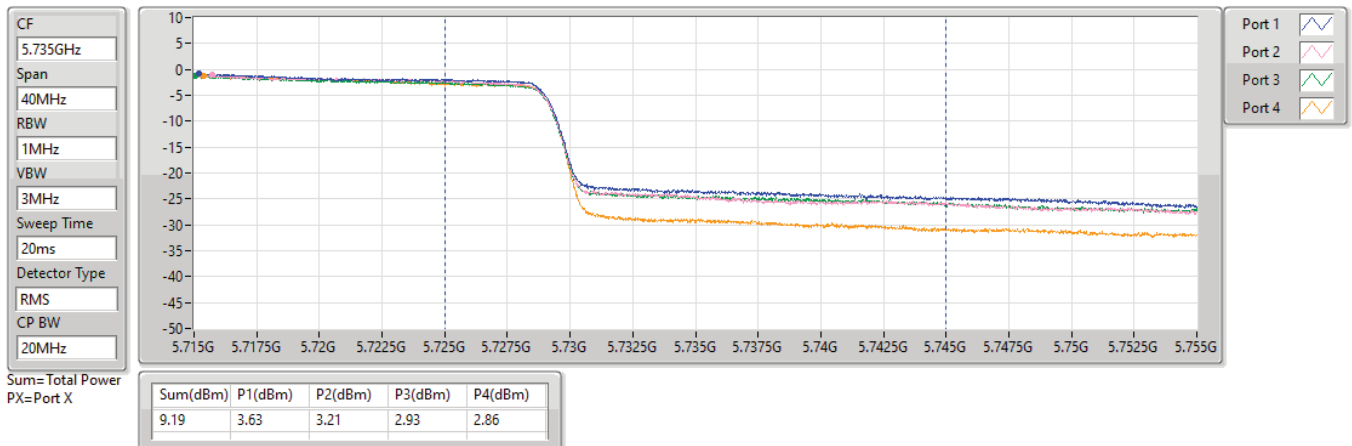


5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

30/03/2023



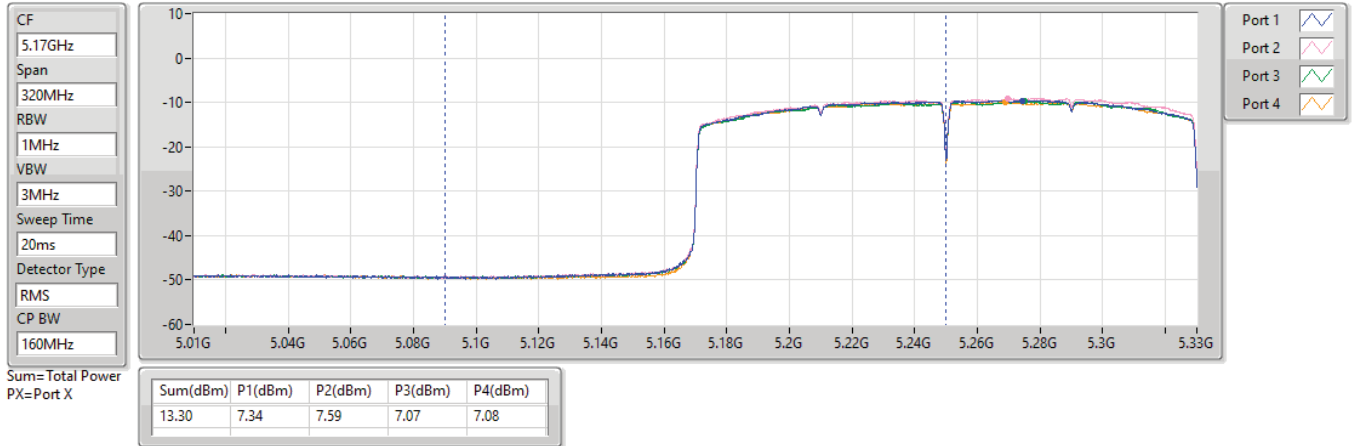


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

30/03/2023

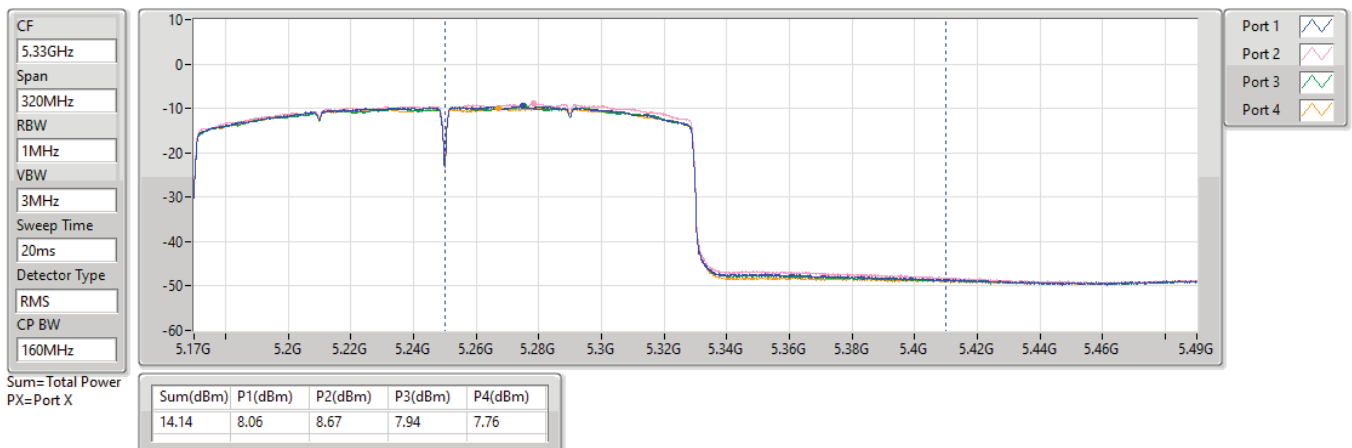


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

30/03/2023



**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.85-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	21.43	0.13900	27.13	0.51642
802.11ax HEW20_Nss1,(MCS0)_4TX	21.73	0.14894	27.43	0.55335
802.11ax HEW40_Nss1,(MCS0)_4TX	26.25	0.42170	31.95	1.56675
802.11ax HEW80_Nss1,(MCS0)_4TX	25.83	0.38282	31.53	1.42233
802.11ax HEW160_Nss1,(MCS0)_4TX	22.40	0.17378	28.10	0.64565



Average Power_5850-5895(MHz)_Non-Beamforming

Appendix C.2

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	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	5.70	15.43	15.44	15.27	15.50	21.43	30.00	27.13	36.00
5865MHz	Pass	5.70	15.08	15.11	14.94	15.41	21.16	30.00	26.86	36.00
5885MHz	Pass	5.70	15.08	15.00	15.03	15.52	21.18	30.00	26.88	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	5.70	15.84	15.70	15.61	15.67	21.73	30.00	27.43	36.00
5865MHz	Pass	5.70	15.27	15.39	15.34	15.69	21.45	30.00	27.15	36.00
5885MHz	Pass	5.70	15.25	15.20	15.32	15.65	21.38	30.00	27.08	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	5.70	20.35	20.25	20.13	20.18	26.25	30.00	31.95	36.00
5875MHz	Pass	5.70	18.32	18.07	18.04	18.49	24.25	30.00	29.95	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	5.70	19.85	19.72	19.68	19.98	25.83	30.00	31.53	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	5.70	16.57	16.45	16.43	16.07	22.40	30.00	28.10	36.00

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

**Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.02	0.20045	34.84	3.04789
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.57	0.22751	35.39	3.45939
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	18.75	0.07499	30.57	1.14025
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	13.14	0.02061	24.96	0.31333
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.04	0.05058	28.86	0.76913
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.34	0.05420	29.16	0.82414
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	16.74	0.04721	28.56	0.71779
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	14.16	0.02606	25.98	0.39628
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.50	0.05623	29.42	0.87498
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.56	0.05702	29.48	0.88716
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	16.76	0.04742	28.68	0.73790
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.39	0.05483	29.31	0.85310
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	20.33	0.10789	32.05	1.60325
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.50	0.11220	32.22	1.66725
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	18.77	0.07534	30.49	1.11944



Average Power_5150-5850(MHz)_Beamforming

Appendix C.3

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	11.82	16.86	16.87	16.65	16.47	22.74	24.18	34.56	36.00
5200MHz	Pass	11.82	16.78	17.26	17.33	16.59	23.02	24.18	34.84	36.00
5240MHz	Pass	11.82	13.87	14.64	13.68	13.80	20.03	24.18	31.85	36.00
5260MHz	Pass	11.82	11.09	11.55	10.95	10.40	17.04	18.16	28.86	30.00
5300MHz	Pass	11.82	11.13	11.51	10.53	10.38	16.93	18.16	28.75	30.00
5320MHz	Pass	11.82	10.59	11.37	10.72	10.72	16.88	18.16	28.70	30.00
5500MHz	Pass	11.92	11.13	11.90	11.01	11.80	17.50	18.06	29.42	30.00
5580MHz	Pass	11.92	11.35	11.16	10.89	10.92	17.10	18.06	29.02	30.00
5700MHz	Pass	11.92	11.39	11.30	10.50	10.87	17.05	18.06	28.97	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.92	10.34	10.10	9.98	10.10	16.15	17.10	28.07	29.02
5720MHz Straddle 5.725-5.85GHz	Pass	11.72	5.32	5.08	4.94	5.08	11.13	24.28	22.85	36.00
5745MHz	Pass	11.72	13.36	14.69	13.03	13.20	19.64	24.28	31.36	36.00
5785MHz	Pass	11.72	13.93	13.66	13.87	13.26	19.71	24.28	31.43	36.00
5825MHz	Pass	11.72	14.33	14.95	13.76	14.10	20.33	24.28	32.05	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.82	14.18	14.42	13.80	13.98	20.12	24.18	31.94	36.00
5230MHz	Pass	11.82	17.29	18.01	17.75	17.09	23.57	24.18	35.39	36.00
5270MHz	Pass	11.82	11.31	11.87	11.27	10.76	17.34	18.16	29.16	30.00
5310MHz	Pass	11.82	11.51	11.63	10.94	11.16	17.34	18.16	29.16	30.00
5510MHz	Pass	11.92	11.39	11.88	10.91	11.55	17.47	18.06	29.39	30.00
5550MHz	Pass	11.92	11.91	11.37	10.96	11.47	17.46	18.06	29.38	30.00
5670MHz	Pass	11.92	12.02	11.14	11.40	11.53	17.56	18.06	29.48	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.92	11.38	10.66	10.62	10.83	16.90	18.06	28.82	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.72	1.73	1.12	1.21	1.16	7.33	24.28	19.05	36.00
5755MHz	Pass	11.72	14.21	13.87	13.75	14.63	20.15	24.28	31.87	36.00
5795MHz	Pass	11.72	14.94	14.43	14.33	14.19	20.50	24.28	32.22	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.82	13.00	12.83	12.41	12.64	18.75	24.18	30.57	36.00
5290MHz	Pass	11.82	10.84	11.07	10.50	10.44	16.74	18.16	28.56	30.00
5530MHz	Pass	11.92	10.18	10.28	10.81	10.43	16.45	18.06	28.37	30.00
5610MHz	Pass	11.92	11.24	10.51	10.59	10.58	16.76	18.06	28.68	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.92	10.87	10.59	10.16	10.58	16.58	18.06	28.50	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.72	-2.49	-2.30	-2.08	-2.82	3.61	24.28	15.33	36.00
5775MHz	Pass	11.72	12.98	12.10	12.52	13.29	18.77	24.28	30.49	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	11.82	7.01	7.55	6.79	7.08	13.14	24.18	24.96	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	11.82	8.01	8.88	7.92	7.65	14.16	18.16	25.98	30.00
5570MHz	Pass	11.92	11.69	11.35	11.51	10.89	17.39	18.06	29.31	30.00

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

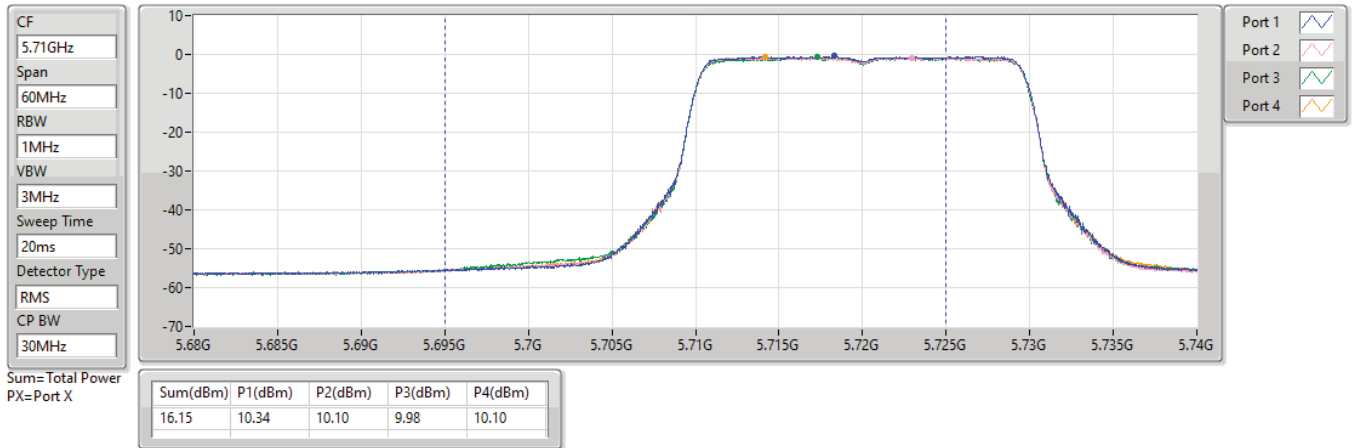


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.47-5.725GHz_TX

31/03/2023

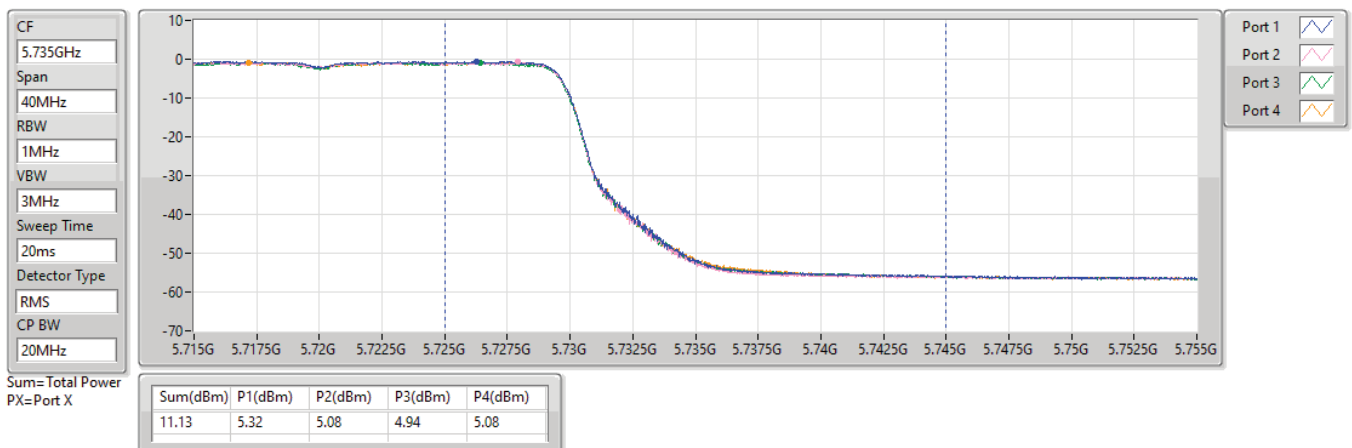


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

AV Power

5720MHz Straddle 5.725-5.85GHz_TX

31/03/2023

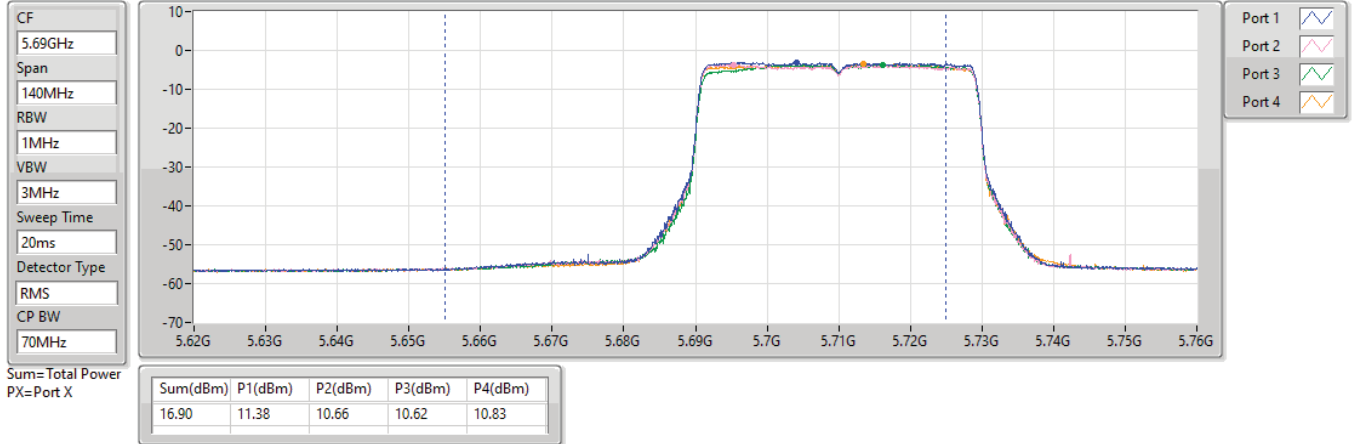


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.47-5.725GHz_TX

31/03/2023

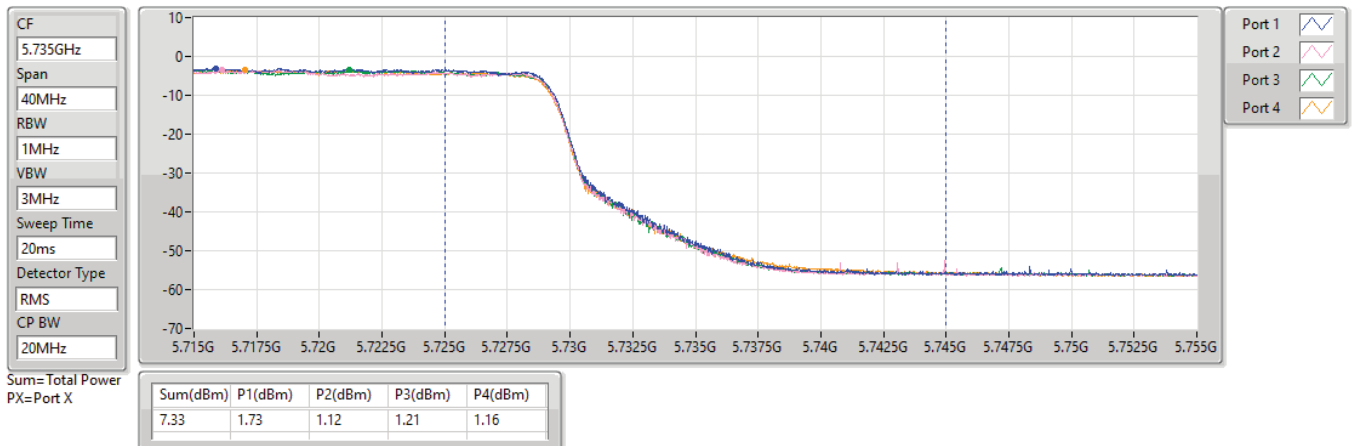


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

AV Power

5710MHz Straddle 5.725-5.85GHz_TX

31/03/2023

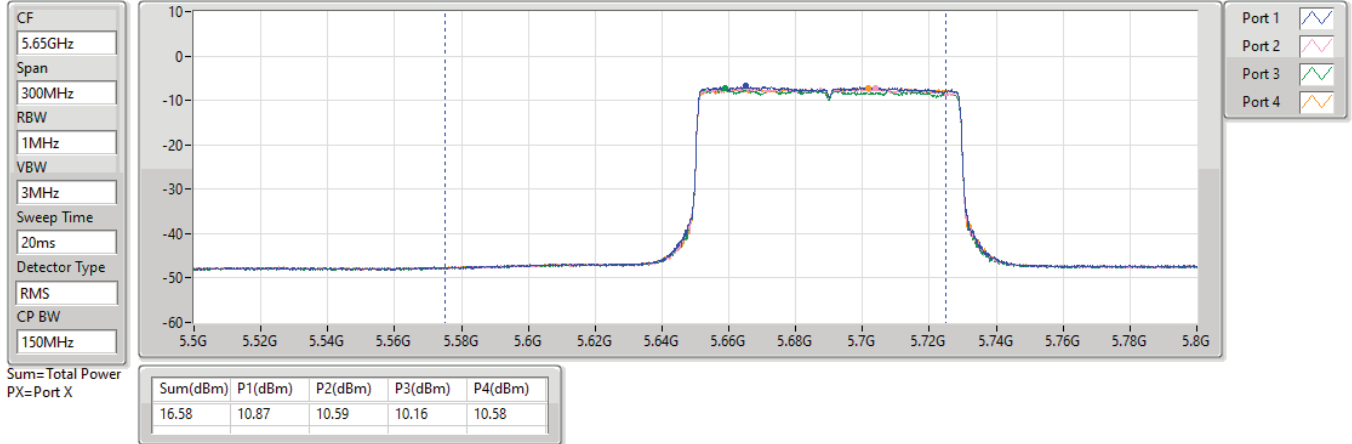


5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.47-5.725GHz_TX

30/03/2023

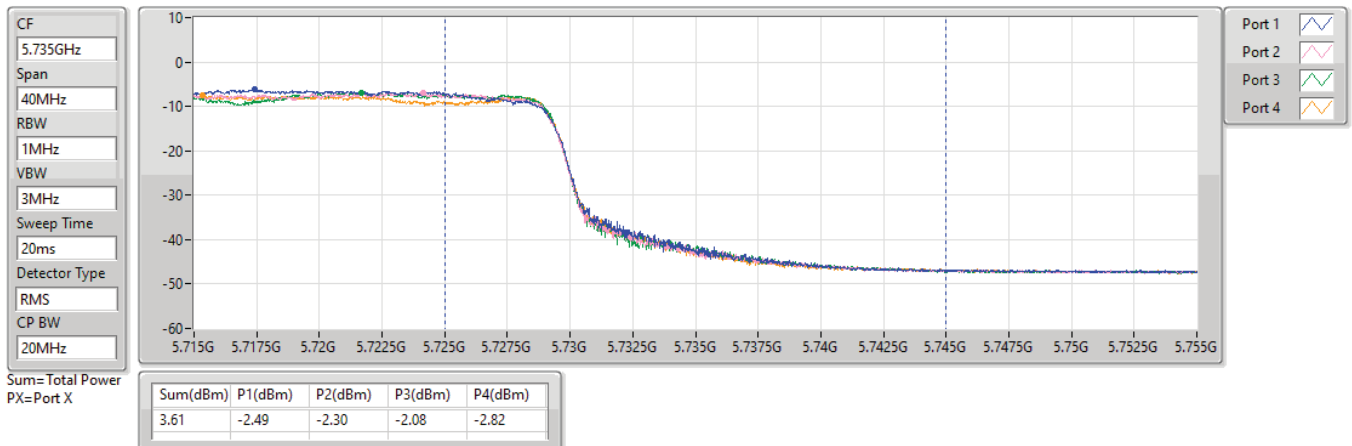


5.725-5.85GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

AV Power

5690MHz Straddle 5.725-5.85GHz_TX

30/03/2023

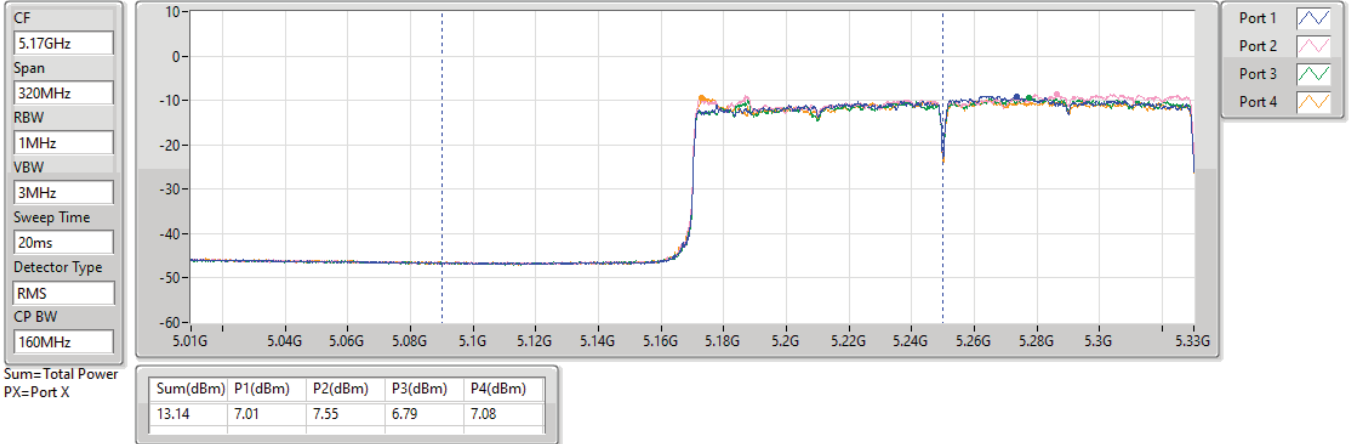


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.15-5.25GHz_TX

30/03/2023

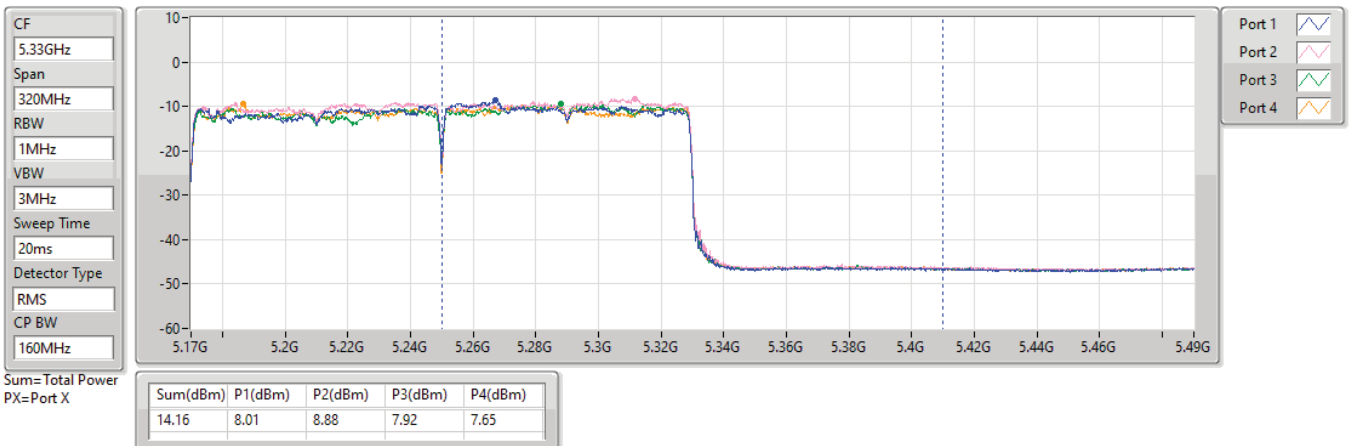


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

AV Power

5250MHz Straddle 5.25-5.35GHz_TX

30/03/2023





Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.85-5.895GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.70	0.14791	33.42	2.19786
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	23.40	0.21878	35.12	3.25087
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.40	0.21878	35.12	3.25087
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.62	0.05781	29.34	0.85901



Average Power_5850-5895(MHz)_Beamforming

Appendix C.4

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	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	11.72	15.62	16.35	14.86	15.77	21.70	30.00	33.42	36.00
5865MHz	Pass	11.72	15.00	16.13	14.71	15.30	21.34	30.00	33.06	36.00
5885MHz	Pass	11.72	15.94	15.30	14.45	14.04	21.02	30.00	32.74	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	11.72	17.69	17.78	17.08	16.92	23.40	30.00	35.12	36.00
5875MHz	Pass	11.72	16.92	17.58	16.69	17.18	23.13	30.00	34.85	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	11.72	18.13	18.16	16.42	16.46	23.40	30.00	35.12	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	11.72	11.61	11.80	11.51	11.46	17.62	30.00	29.34	36.00

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



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	10.94	22.76
802.11ax HEW20_Nss1,(MCS0)_4TX	11.09	22.91
802.11ax HEW40_Nss1,(MCS0)_4TX	10.50	22.32
802.11ax HEW80_Nss1,(MCS0)_4TX	0.37	12.19
802.11ax HEW160_Nss1,(MCS0)_4TX	-5.64	6.18
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	5.17	16.99
802.11ax HEW20_Nss1,(MCS0)_4TX	5.12	16.94
802.11ax HEW40_Nss1,(MCS0)_4TX	4.93	16.75
802.11ax HEW80_Nss1,(MCS0)_4TX	-2.25	9.57
802.11ax HEW160_Nss1,(MCS0)_4TX	-5.23	6.59
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	4.88	16.80
802.11ax HEW20_Nss1,(MCS0)_4TX	5.01	16.93
802.11ax HEW40_Nss1,(MCS0)_4TX	5.03	16.95
802.11ax HEW80_Nss1,(MCS0)_4TX	4.39	16.31
802.11ax HEW160_Nss1,(MCS0)_4TX	-2.80	9.12
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	9.84	21.56
802.11ax HEW20_Nss1,(MCS0)_4TX	9.18	20.90
802.11ax HEW40_Nss1,(MCS0)_4TX	8.88	20.60
802.11ax HEW80_Nss1,(MCS0)_4TX	2.49	14.21

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



PSD_5150-5850(MHz)_Non-Beamforming

Appendix D.1

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	11.82	4.53	4.87	4.76	4.64	10.55	11.18	22.37	23.00
5200MHz	Pass	11.82	5.14	5.13	4.95	4.87	10.94	11.18	22.76	23.00
5240MHz	Pass	11.82	5.02	5.36	4.85	4.77	10.92	11.18	22.74	23.00
5260MHz	Pass	11.82	-0.67	-0.35	-0.91	-0.91	5.14	5.18	16.96	17.00
5300MHz	Pass	11.82	-0.32	-0.35	-0.79	-1.04	5.17	5.18	16.99	17.00
5320MHz	Pass	11.82	-1.17	-0.67	-1.10	-1.12	4.88	5.18	16.70	17.00
5500MHz	Pass	11.92	-1.70	-0.84	-1.13	-0.67	4.80	5.08	16.72	17.00
5580MHz	Pass	11.92	-1.40	-1.19	-1.13	-1.58	4.55	5.08	16.47	17.00
5700MHz	Pass	11.92	-1.10	-1.23	-1.60	-1.69	4.51	5.08	16.43	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.92	-0.77	-0.95	-0.94	-1.27	4.88	5.08	16.80	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.72	-2.94	-2.97	-3.20	-3.46	2.85	24.28	14.57	36.00
5745MHz	Pass	11.72	4.02	4.17	4.06	3.84	9.84	24.28	21.56	36.00
5785MHz	Pass	11.72	3.89	4.09	4.22	3.65	9.80	24.28	21.52	36.00
5825MHz	Pass	11.72	3.80	3.62	3.60	3.45	9.44	24.28	21.16	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.82	3.51	3.64	3.52	3.38	9.41	11.18	21.23	23.00
5200MHz	Pass	11.82	5.27	5.32	5.24	4.93	11.09	11.18	22.91	23.00
5240MHz	Pass	11.82	5.16	5.49	5.09	4.72	11.01	11.18	22.83	23.00
5260MHz	Pass	11.82	-0.81	-0.60	-0.89	-1.11	5.04	5.18	16.86	17.00
5300MHz	Pass	11.82	-0.64	-0.43	-0.74	-1.77	5.03	5.18	16.85	17.00
5320MHz	Pass	11.82	-0.68	-0.35	-0.82	-1.26	5.12	5.18	16.94	17.00
5500MHz	Pass	11.92	-1.33	-0.67	-0.90	-0.83	4.96	5.08	16.88	17.00
5580MHz	Pass	11.92	-1.03	-0.78	-0.81	-1.36	4.89	5.08	16.81	17.00
5700MHz	Pass	11.92	-0.64	-0.75	-1.32	-1.15	4.91	5.08	16.83	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.92	-0.84	-0.64	-0.94	-1.26	5.01	5.08	16.93	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.72	-2.87	-2.67	-2.86	-3.03	3.11	24.28	14.83	36.00
5745MHz	Pass	11.72	3.15	3.37	3.15	2.78	9.01	24.28	20.73	36.00
5785MHz	Pass	11.72	3.39	3.41	3.54	2.90	9.18	24.28	20.90	36.00
5825MHz	Pass	11.72	2.76	2.62	2.74	2.25	8.48	24.28	20.20	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.82	-1.19	-1.31	-1.07	-1.36	4.68	11.18	16.50	23.00
5230MHz	Pass	11.82	4.66	4.51	4.73	4.56	10.50	11.18	22.32	23.00
5270MHz	Pass	11.82	-1.03	-0.48	-0.92	-1.47	4.93	5.18	16.75	17.00
5310MHz	Pass	11.82	-2.22	-2.08	-2.49	-2.92	3.46	5.18	15.28	17.00
5510MHz	Pass	11.92	-1.42	-0.73	-0.65	-1.04	4.92	5.08	16.84	17.00
5550MHz	Pass	11.92	-1.16	-0.72	-0.45	-1.21	5.03	5.08	16.95	17.00
5670MHz	Pass	11.92	-0.30	-0.98	-0.92	-1.12	5.02	5.08	16.94	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.92	-0.66	-0.93	-0.88	-1.23	4.94	5.08	16.86	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.72	-3.74	-4.09	-4.20	-4.43	1.89	24.28	13.61	36.00
5755MHz	Pass	11.72	0.49	0.79	0.55	0.14	6.31	24.28	18.03	36.00
5795MHz	Pass	11.72	2.89	3.25	3.01	3.20	8.88	24.28	20.60	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.82	-5.55	-5.17	-5.46	-5.97	0.37	11.18	12.19	23.00
5290MHz	Pass	11.82	-8.11	-7.88	-7.98	-8.59	-2.25	5.18	9.57	17.00
5530MHz	Pass	11.92	-4.28	-3.64	-3.71	-4.25	1.90	5.08	13.82	17.00
5610MHz	Pass	11.92	-1.80	-1.84	-2.42	-2.33	3.80	5.08	15.72	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.92	-0.41	-0.86	-1.34	-0.99	4.39	5.08	16.31	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.72	-5.05	-5.33	-5.60	-5.73	0.51	24.28	12.23	36.00
5775MHz	Pass	11.72	-3.21	-3.26	-3.09	-3.49	2.49	24.28	14.21	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	11.82	-11.33	-11.26	-11.70	-11.65	-5.64	11.18	6.18	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	11.82	-11.08	-10.73	-10.92	-11.57	-5.23	5.18	6.59	17.00
5570MHz	Pass	11.92	-8.69	-8.14	-8.40	-8.95	-2.80	5.08	9.12	17.00

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;

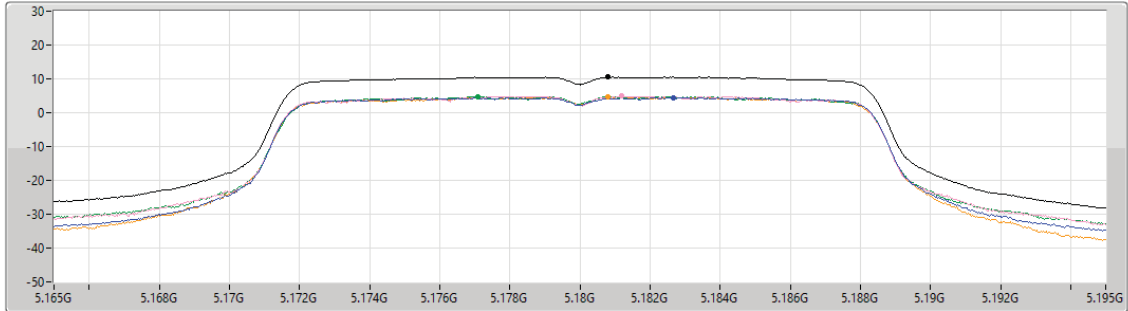
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5180MHz

30/03/2023

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.55	10.55	4.53	4.87	4.76	4.64

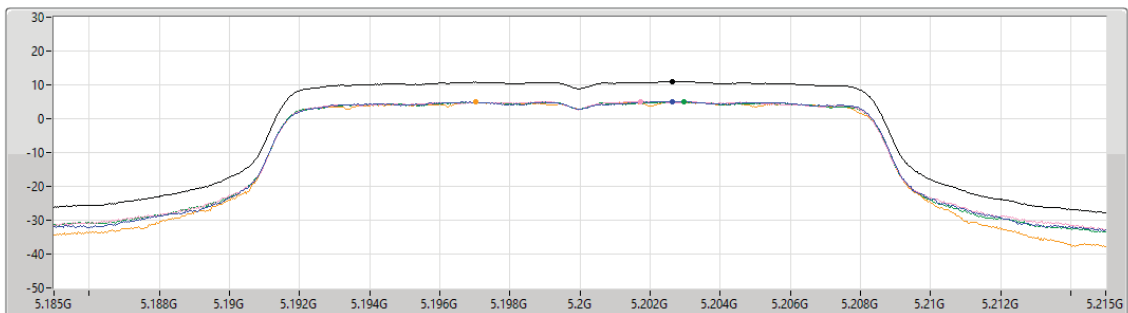
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5200MHz

30/03/2023

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.94	10.94	5.14	5.13	4.95	4.87

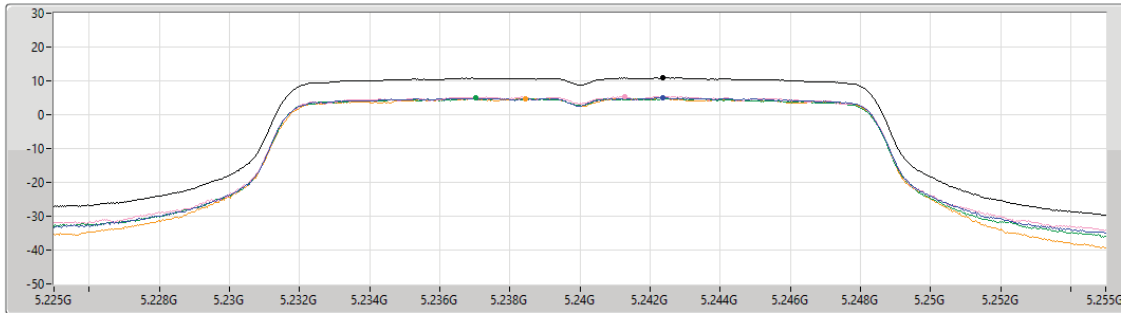
5.15-5.25GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5240MHz

30/03/2023

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.92	10.92	5.02	5.36	4.85	4.77

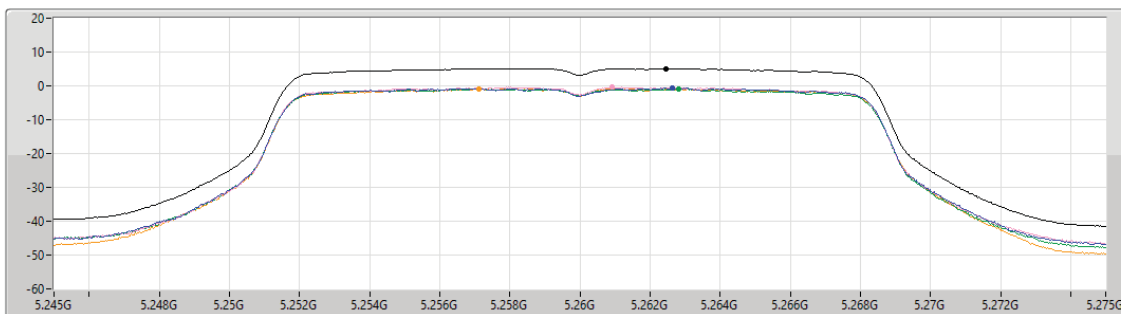
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5260MHz

30/03/2023

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.14	5.14	-0.67	-0.35	-0.91	-0.91

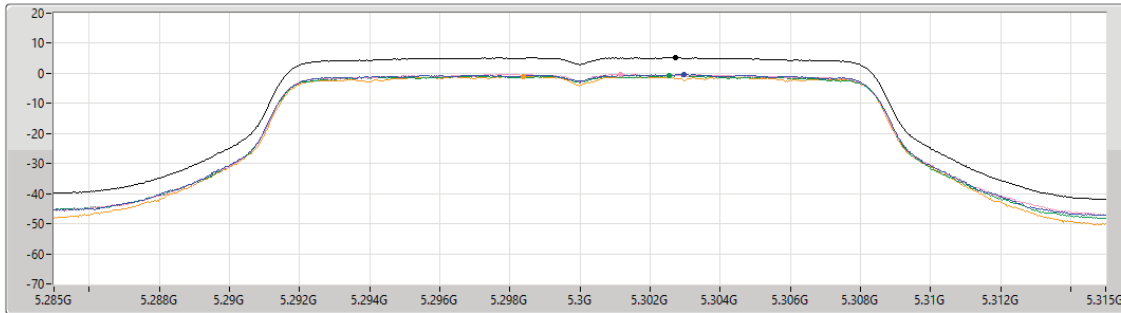
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5300MHz

30/03/2023

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.17	5.17	-0.32	-0.35	-0.79	-1.04

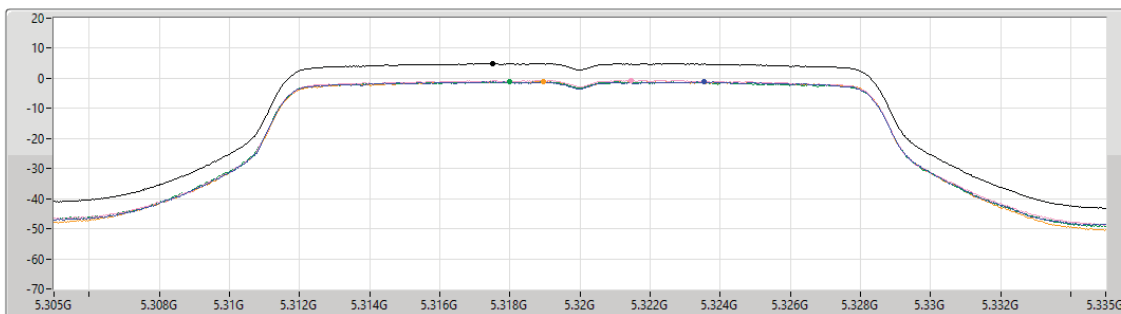
5.25-5.35GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5320MHz

30/03/2023

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.88	4.88	-1.17	-0.67	-1.10	-1.12

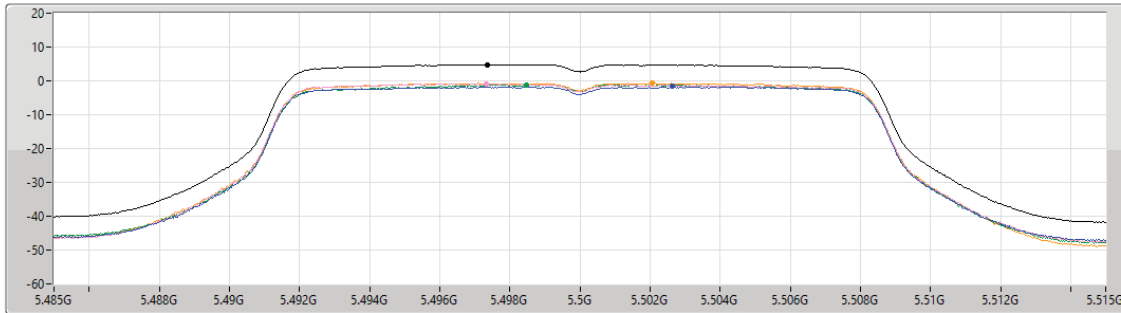
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5500MHz

30/03/2023

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.80	4.80	-1.70	-0.84	-1.13	-0.67

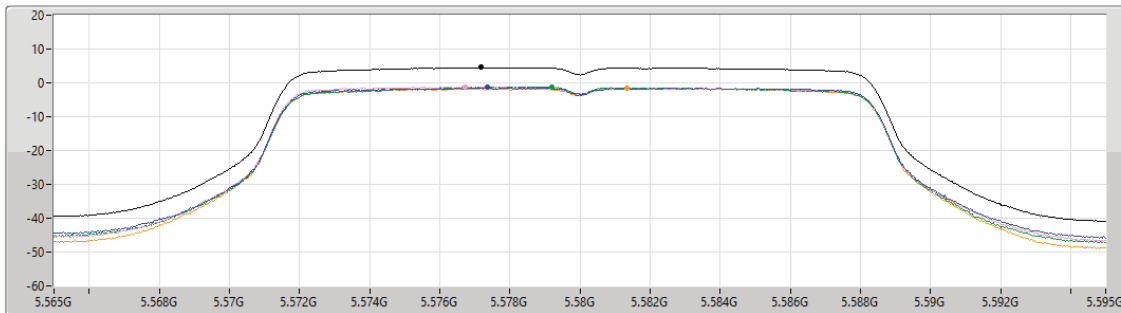
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5580MHz

30/03/2023

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.55	4.55	-1.40	-1.19	-1.13	-1.58



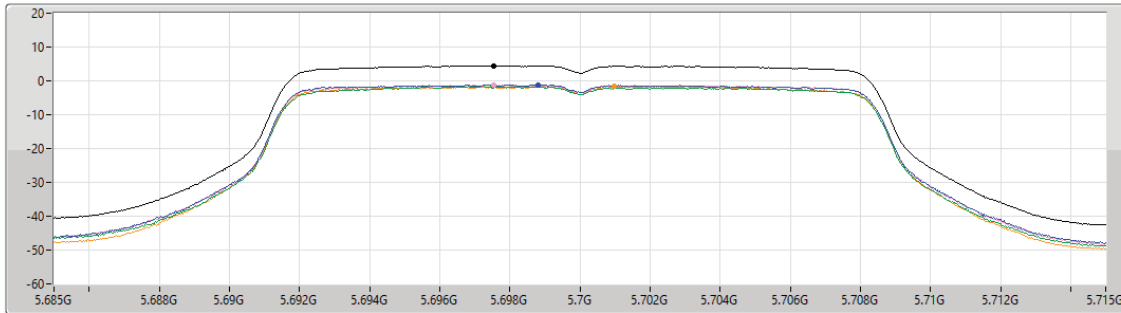
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5700MHz

30/03/2023

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.51	4.51	-1.10	-1.23	-1.60	-1.69

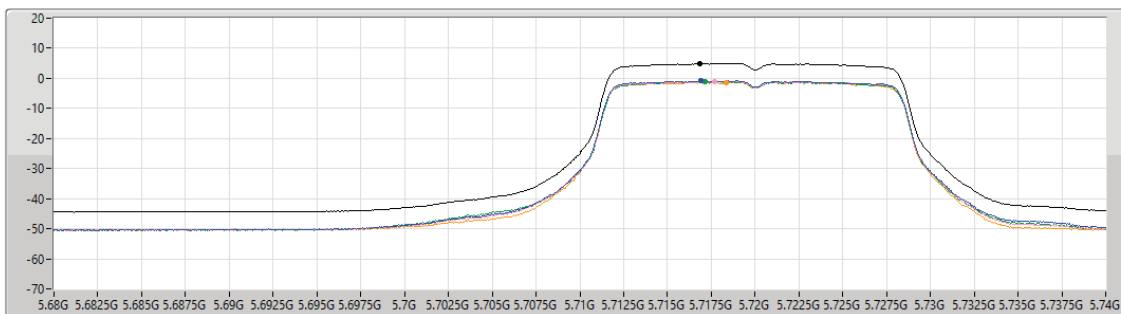
5.47-5.725GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/03/2023

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

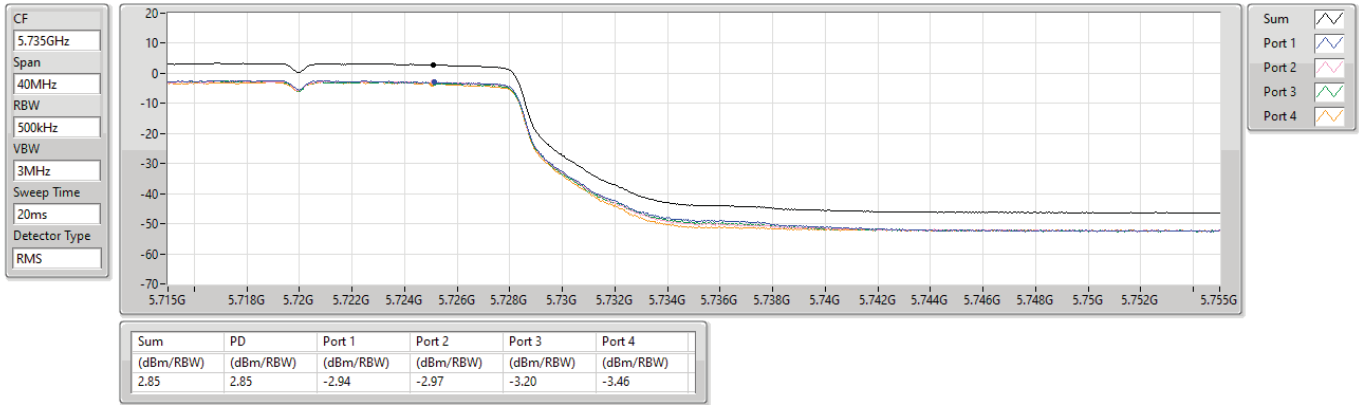
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.88	4.88	-0.77	-0.95	-0.94	-1.27

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

PSD

5720MHz Straddle 5.725-5.85GHz

30/03/2023

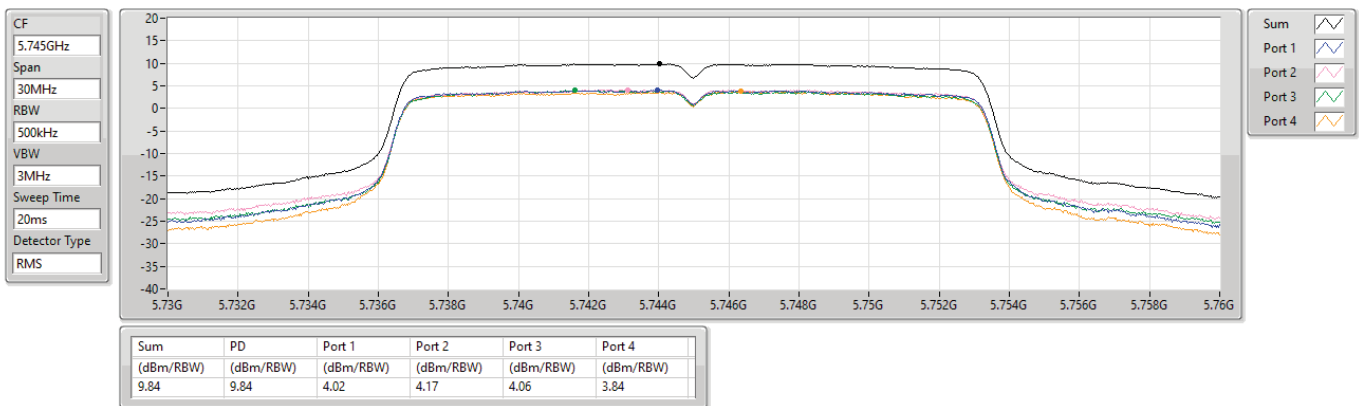


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5745MHz

30/03/2023

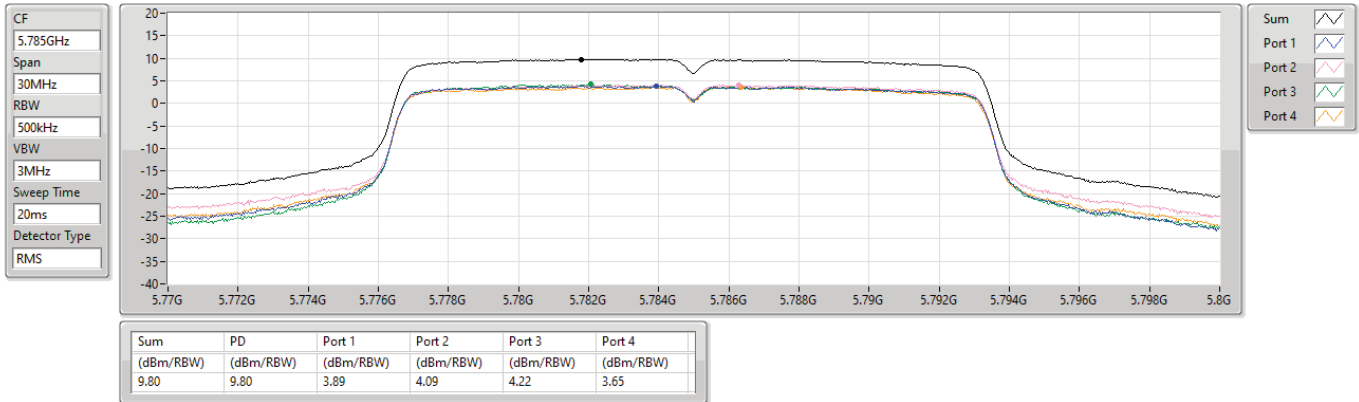


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5785MHz

30/03/2023

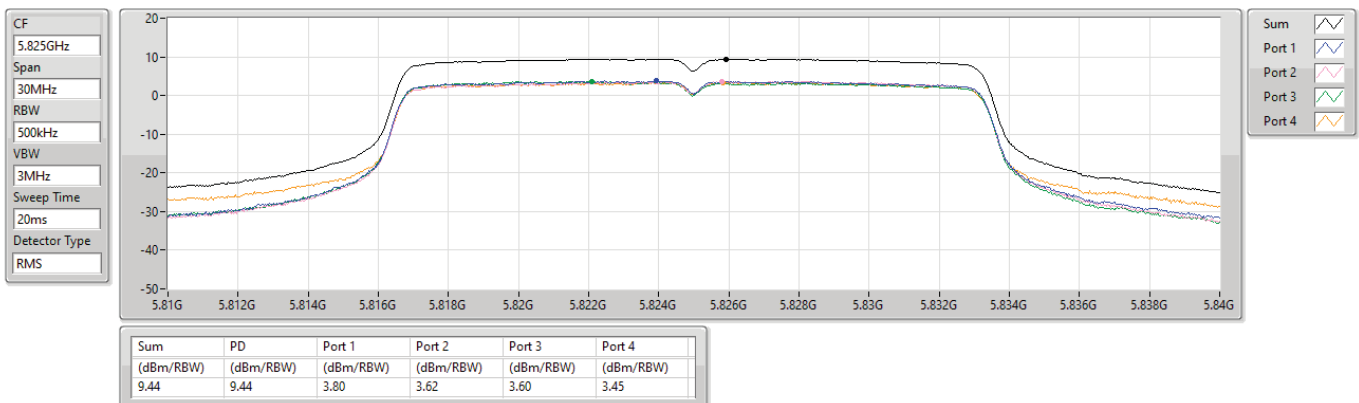


5.725-5.85GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5825MHz

30/03/2023



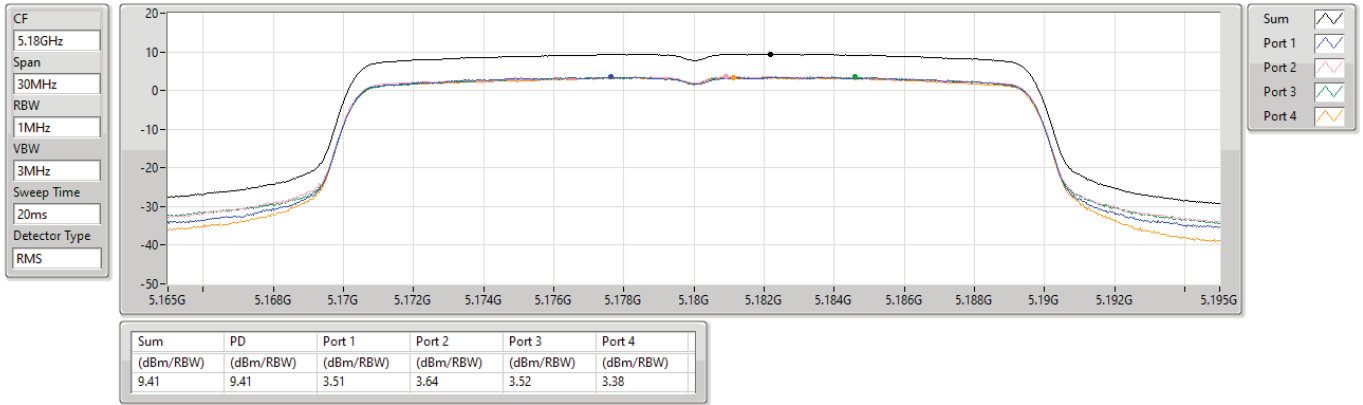


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5180MHz

30/03/2023

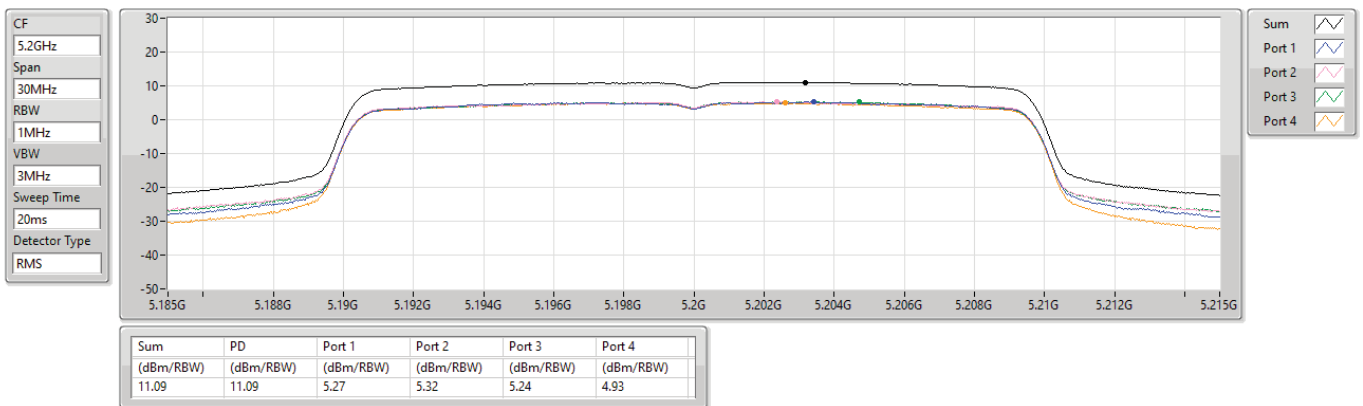


5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5200MHz

30/03/2023



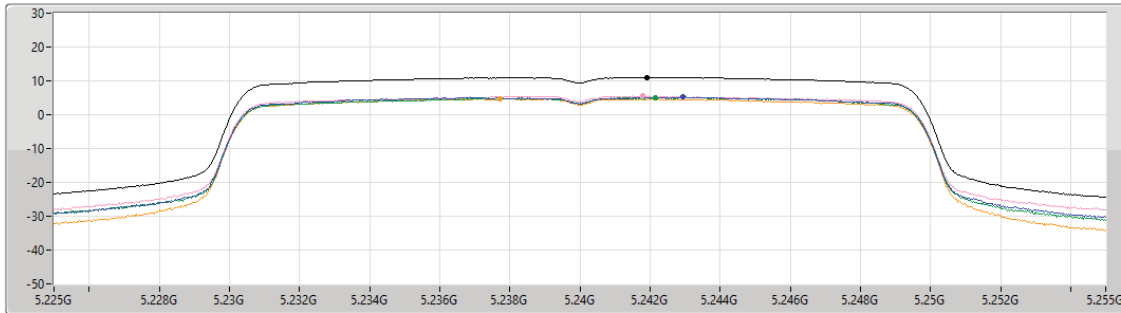
5.15-5.25GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5240MHz

30/03/2023

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.01	11.01	5.16	5.49	5.09	4.72

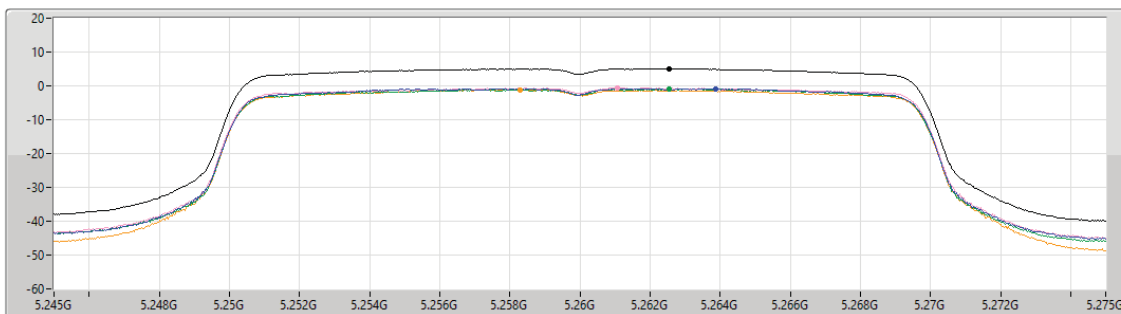
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5260MHz

30/03/2023

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.04	5.04	-0.81	-0.60	-0.89	-1.11

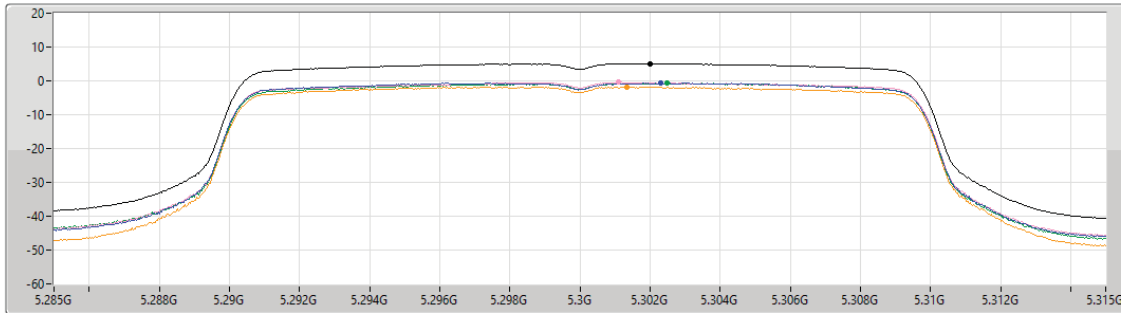
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5300MHz

30/03/2023

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	-0.64	-0.43	-0.74	-1.77

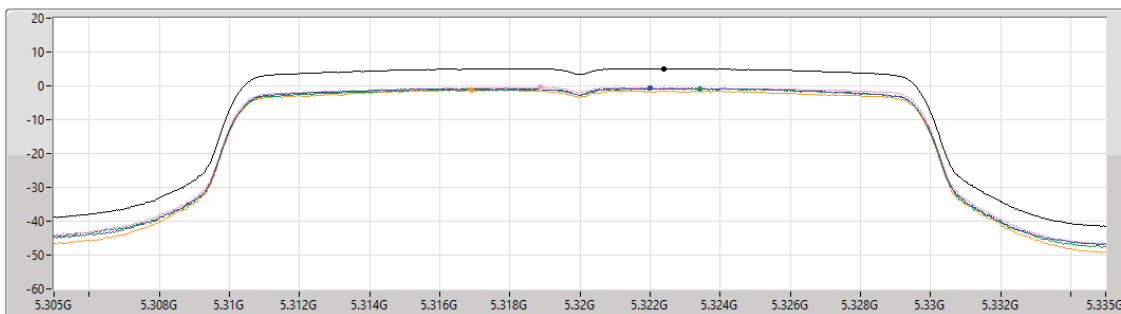
5.25-5.35GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5320MHz

30/03/2023

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.12	5.12	-0.68	-0.35	-0.82	-1.26

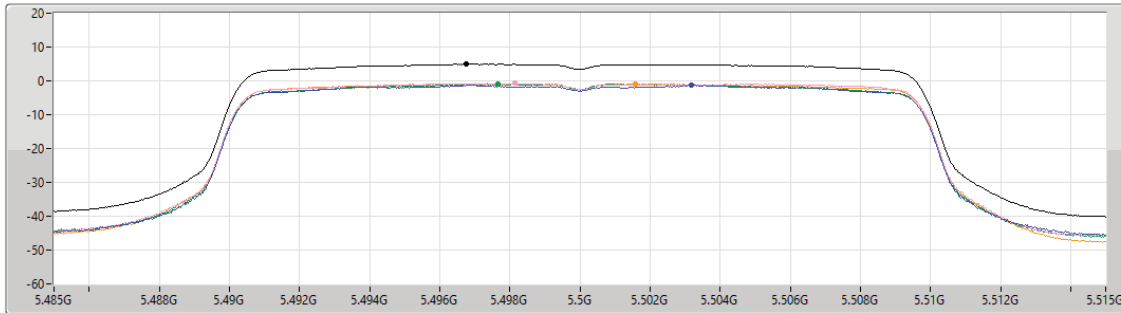
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5500MHz

30/03/2023

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.96	4.96	-1.33	-0.67	-0.90	-0.83

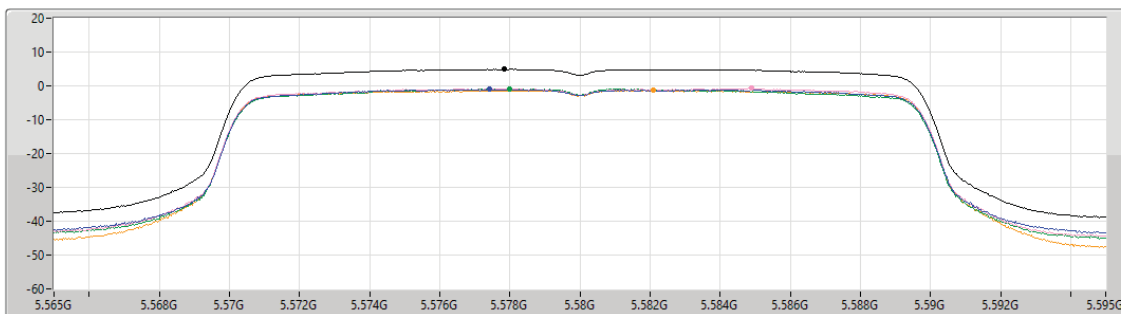
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5580MHz

30/03/2023

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.89	4.89	-1.03	-0.78	-0.81	-1.36



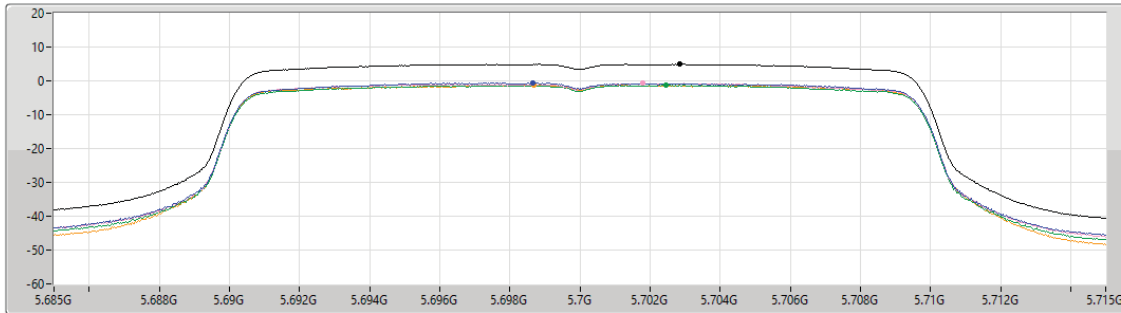
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5700MHz

30/03/2023

CF
5.7GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.91	4.91	-0.64	-0.75	-1.32	-1.15

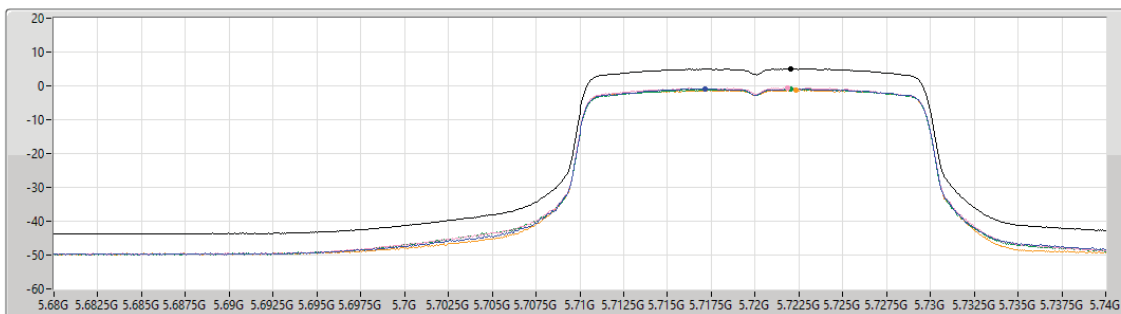
5.47-5.725GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

30/03/2023

CF
5.71GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.01	5.01	-0.84	-0.64	-0.94	-1.26

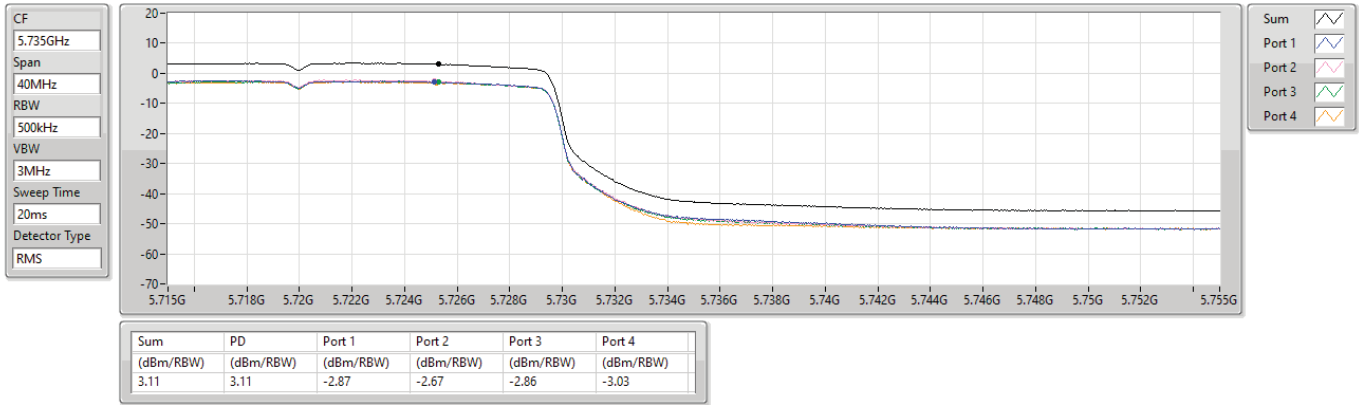


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

30/03/2023

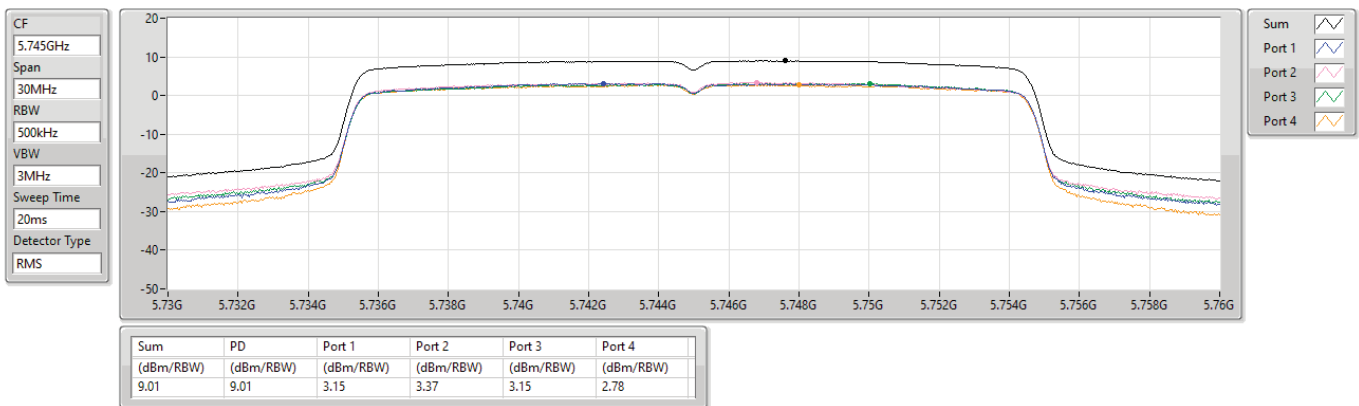


5.725-5.85GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5745MHz

30/03/2023



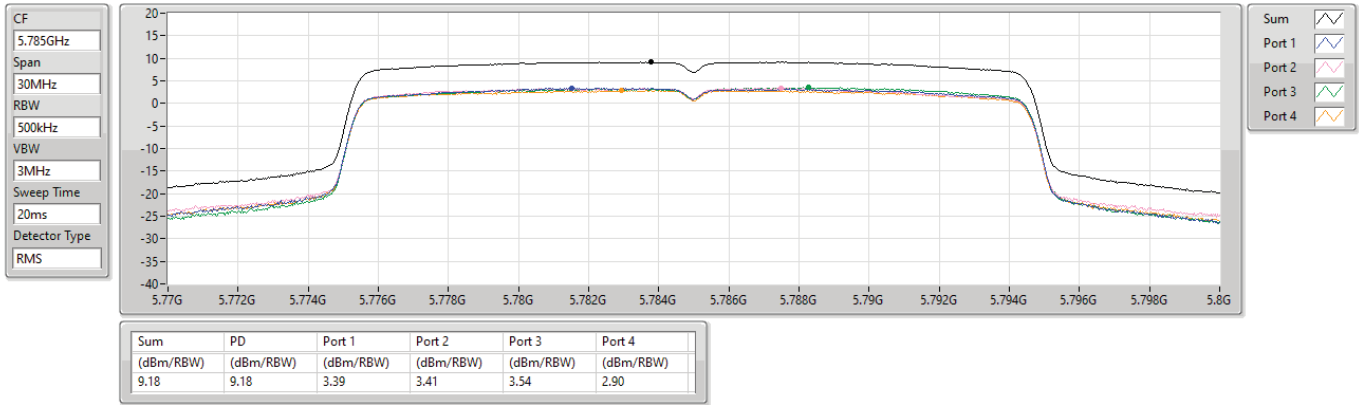


5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5785MHz

30/03/2023

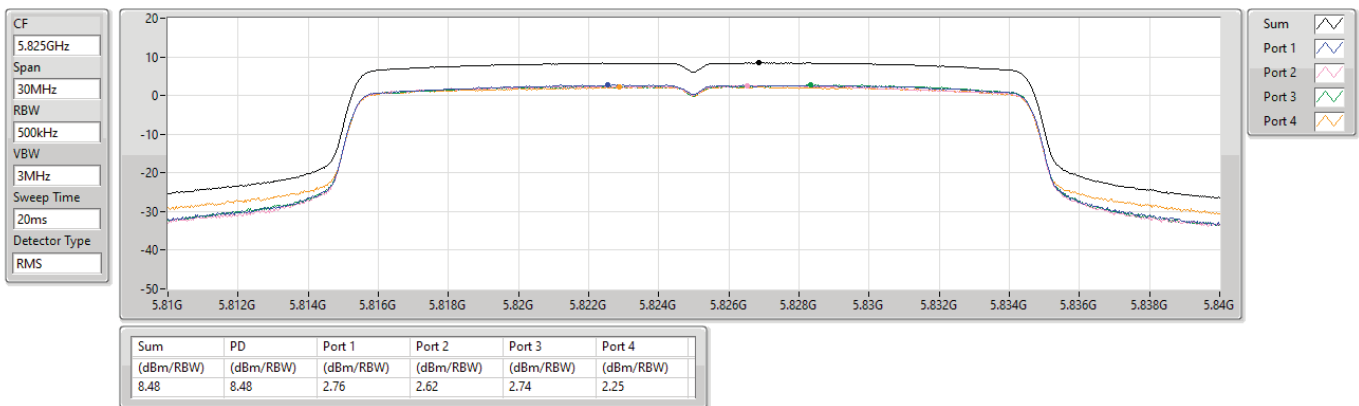


5.725-5.85GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5825MHz

30/03/2023



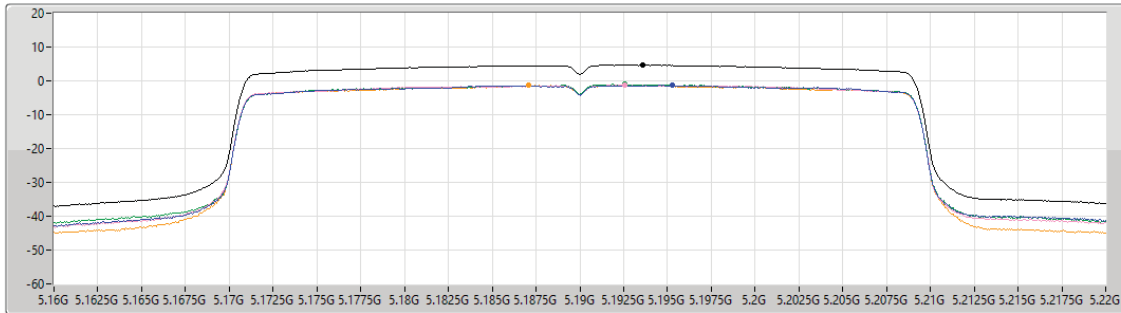
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5190MHz

30/03/2023

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.68	4.68	-1.19	-1.31	-1.07	-1.36

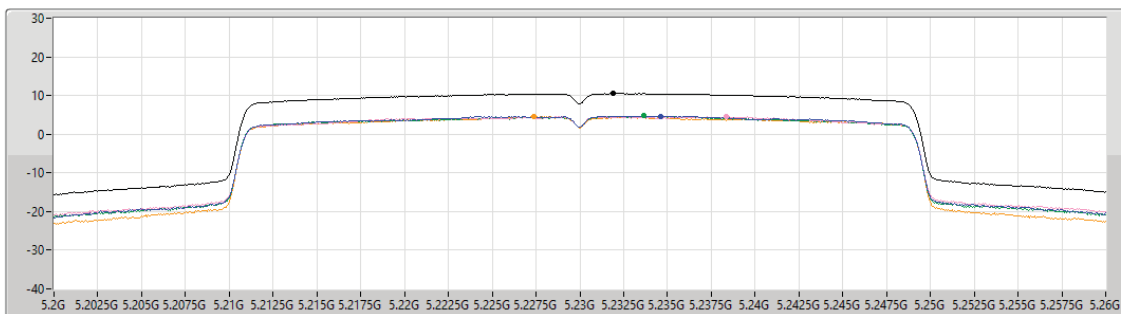
5.15-5.25GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5230MHz

30/03/2023

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.50	10.50	4.66	4.51	4.73	4.56



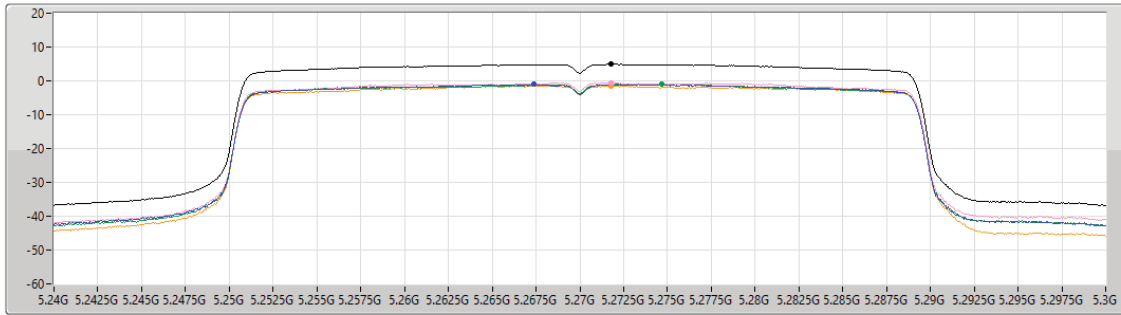
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5270MHz

30/03/2023

CF
5.27GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.93	4.93	-1.03	-0.48	-0.92	-1.47

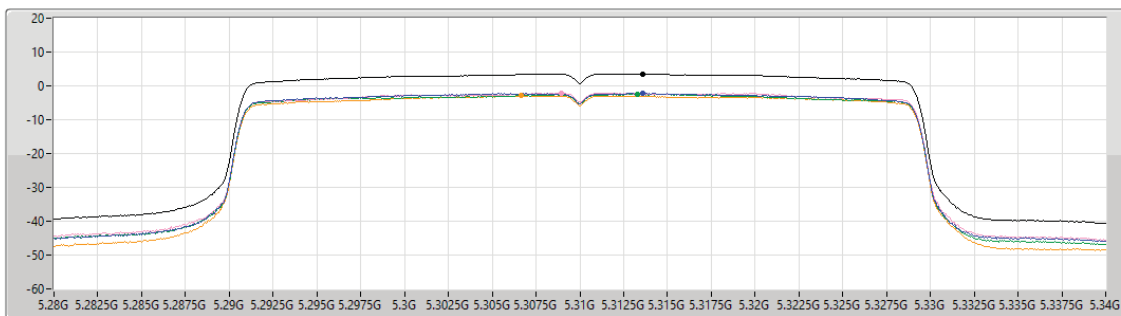
5.25-5.35GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5310MHz

30/03/2023

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.46	3.46	-2.22	-2.08	-2.49	-2.92

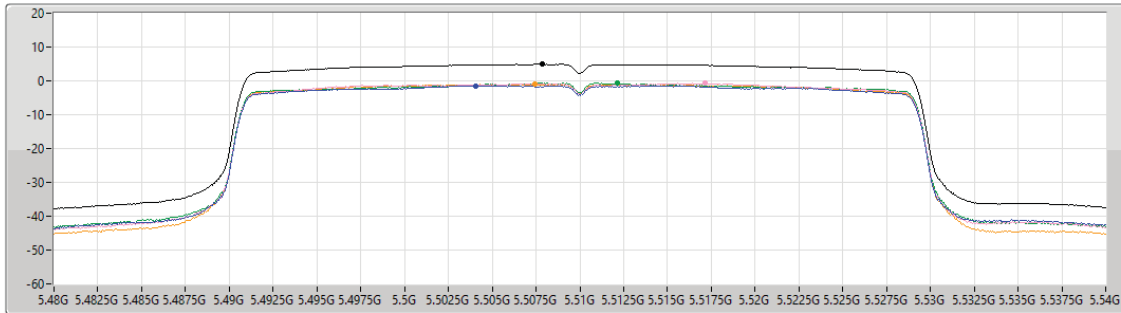
5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5510MHz

30/03/2023

CF
5.51GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	-1.42	-0.73	-0.65	-1.04

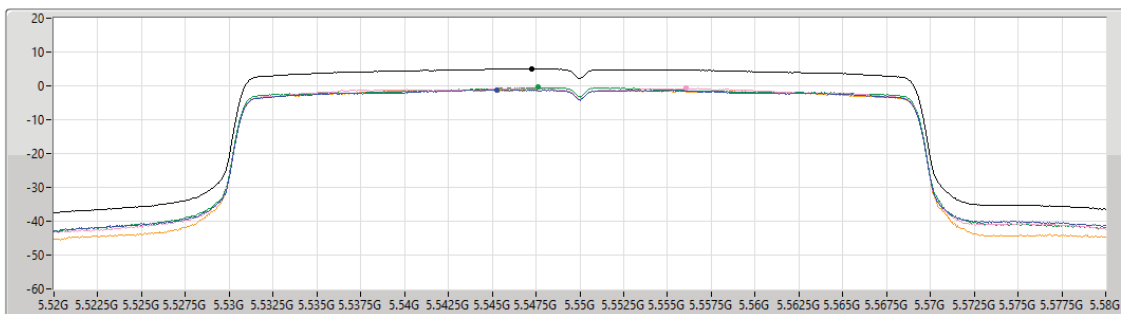
5.47-5.725GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5550MHz

30/03/2023

CF
5.55GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.03	5.03	-1.16	-0.72	-0.45	-1.21



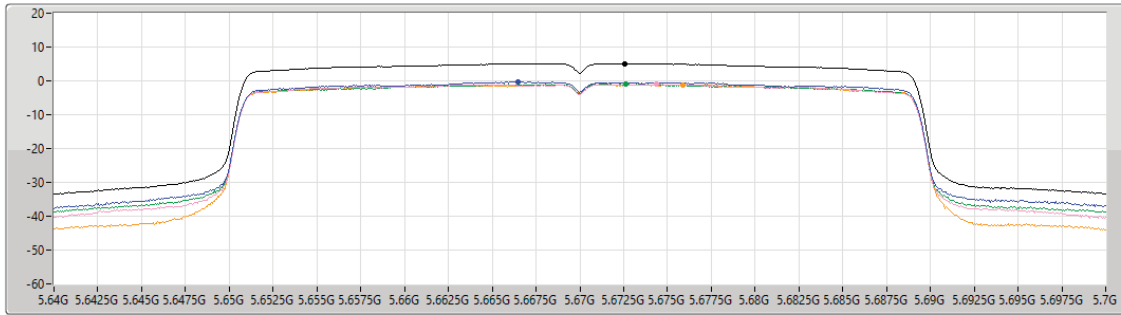
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5670MHz

30/03/2023

CF
5.67GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.02	5.02	-0.30	-0.98	-0.92	-1.12

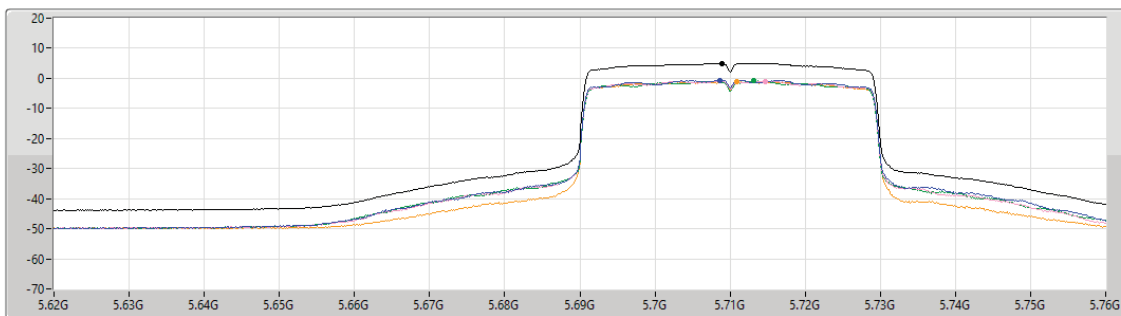
5.47-5.725GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

30/03/2023

CF
5.69GHz
Span
140MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.94	4.94	-0.66	-0.93	-0.88	-1.23

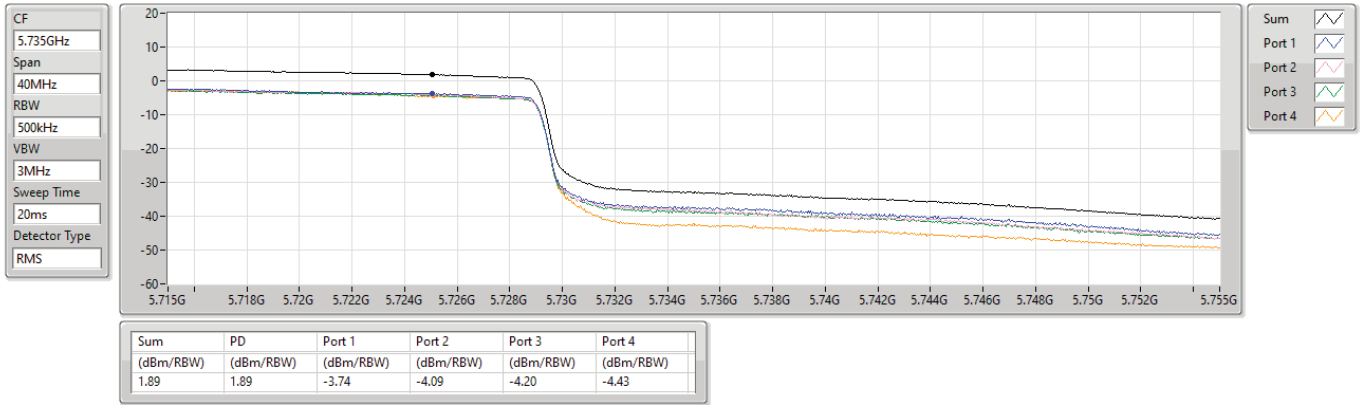


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

30/03/2023

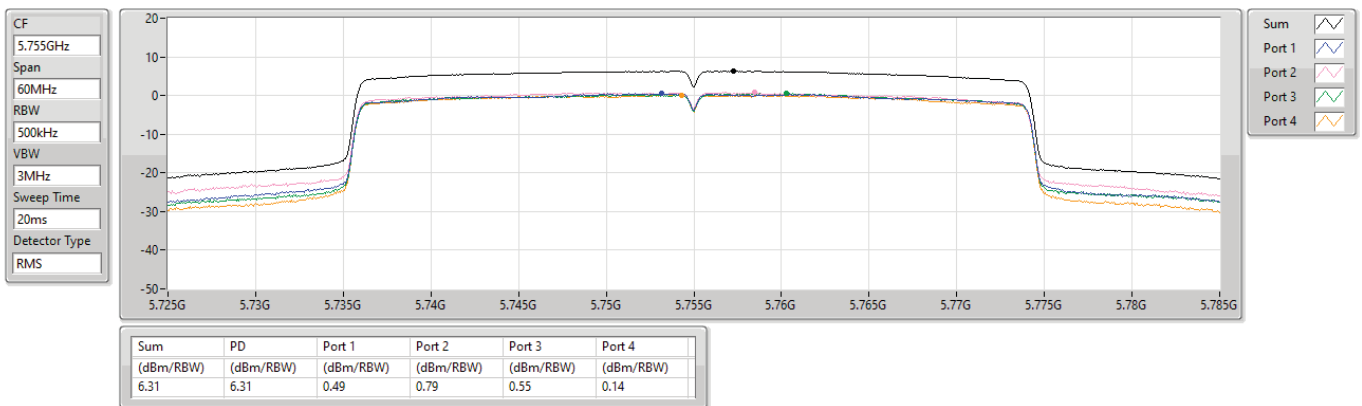


5.725-5.85GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5755MHz

30/03/2023



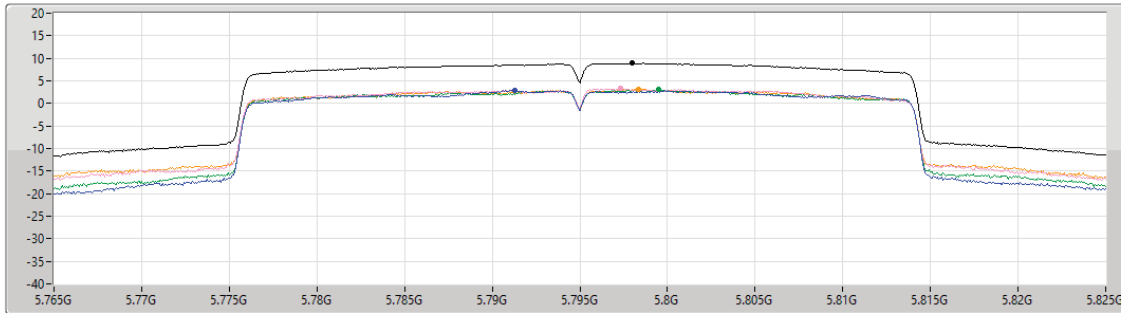
5.725-5.85GHz_802.11ax_HEW40_Nss1,(MCS0)_4TX

PSD

5795MHz

06/04/2023

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	2.89	3.25	3.01	3.20

Sum
Port 1
Port 2
Port 3
Port 4

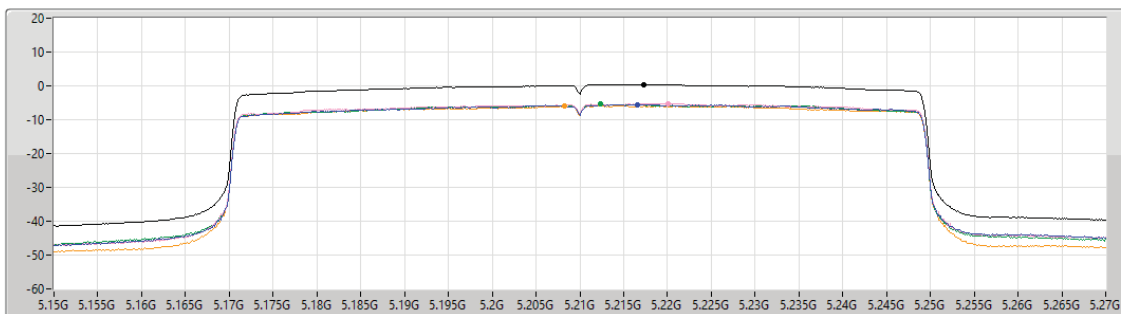
5.15-5.25GHz_802.11ax_HEW80_Nss1,(MCS0)_4TX

PSD

5210MHz

30/03/2023

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.37	0.37	-5.55	-5.17	-5.46	-5.97

Sum
Port 1
Port 2
Port 3
Port 4



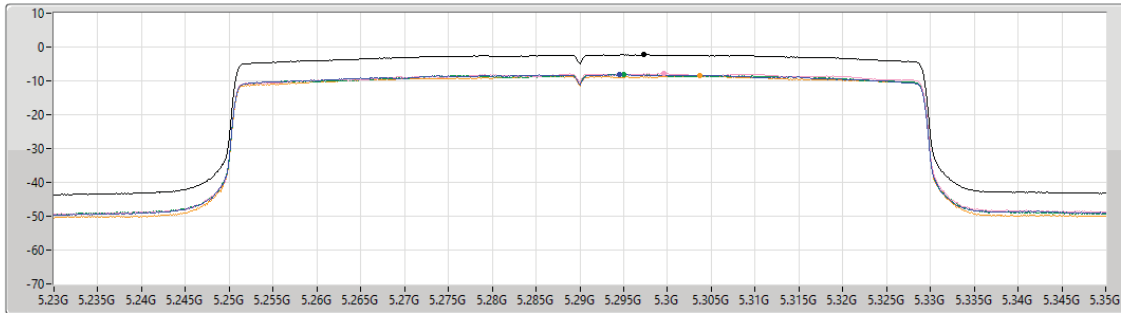
5.25-5.35GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5290MHz

30/03/2023

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.25	-2.25	-8.11	-7.88	-7.98	-8.59

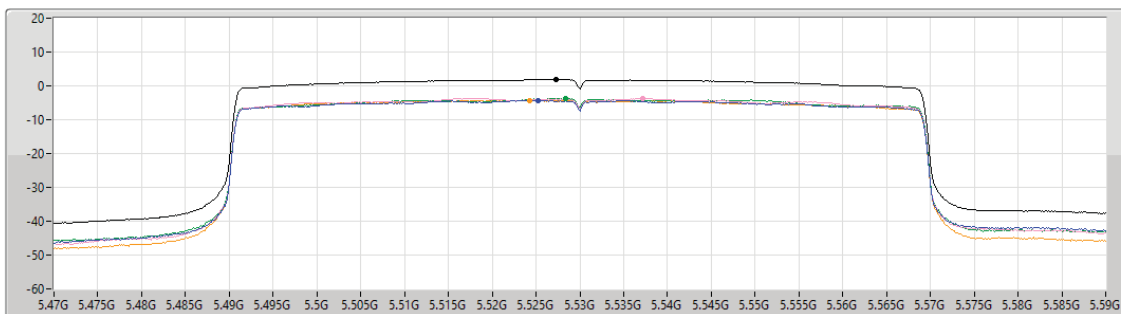
5.47-5.725GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5530MHz

30/03/2023

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.90	1.90	-4.28	-3.64	-3.71	-4.25

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

PSD

5610MHz

30/03/2023

CF
5.61GHz

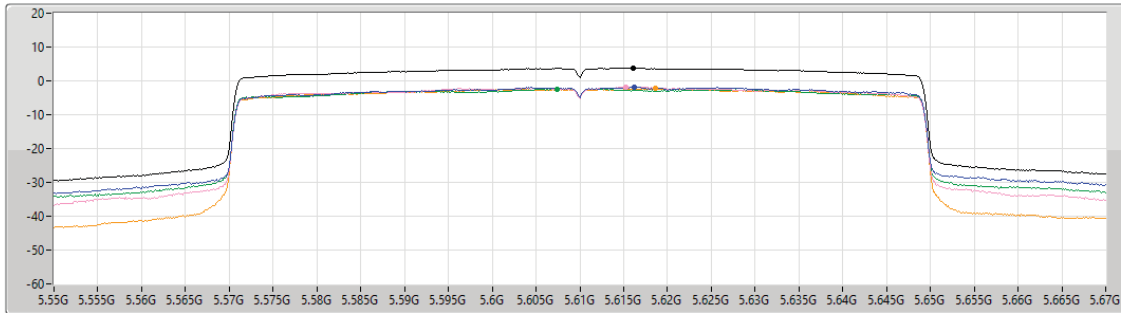
Span
120MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
3.80	3.80	-1.80	-1.84	-2.42	-2.33

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

PSD

5690MHz Straddle 5.47-5.725GHz

30/03/2023

CF
5.65GHz

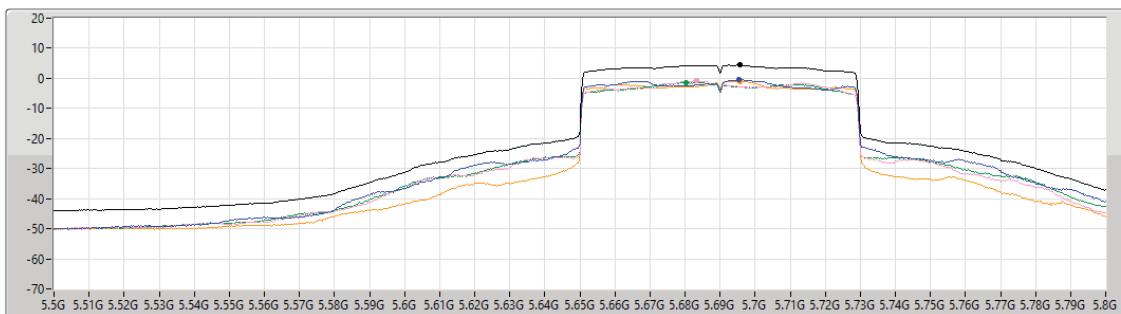
Span
300MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
4.39	4.39	-0.41	-0.86	-1.34	-0.99



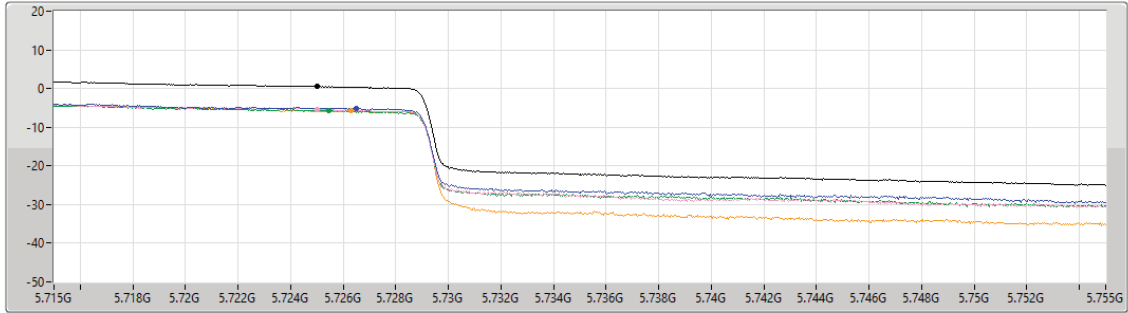
5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/03/2023

CF
5.735GHz
Span
40MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.51	0.51	-5.05	-5.33	-5.60	-5.73

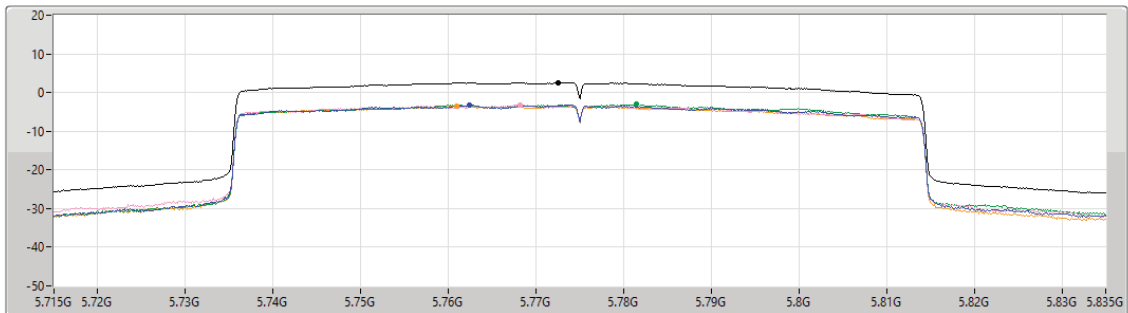
5.725-5.85GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5775MHz

30/03/2023

CF
5.775GHz
Span
120MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.49	2.49	-3.21	-3.26	-3.09	-3.49

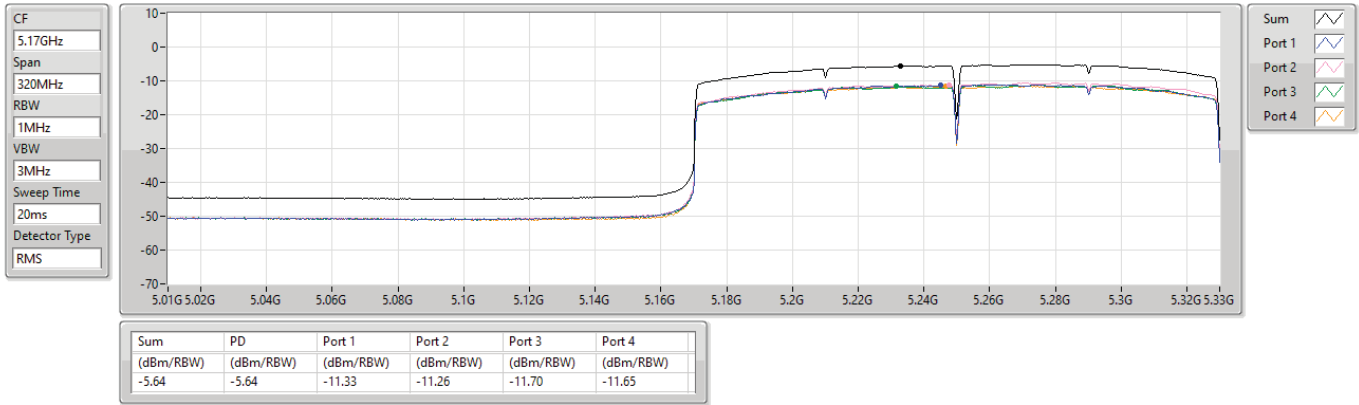


5.15-5.25GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

30/03/2023

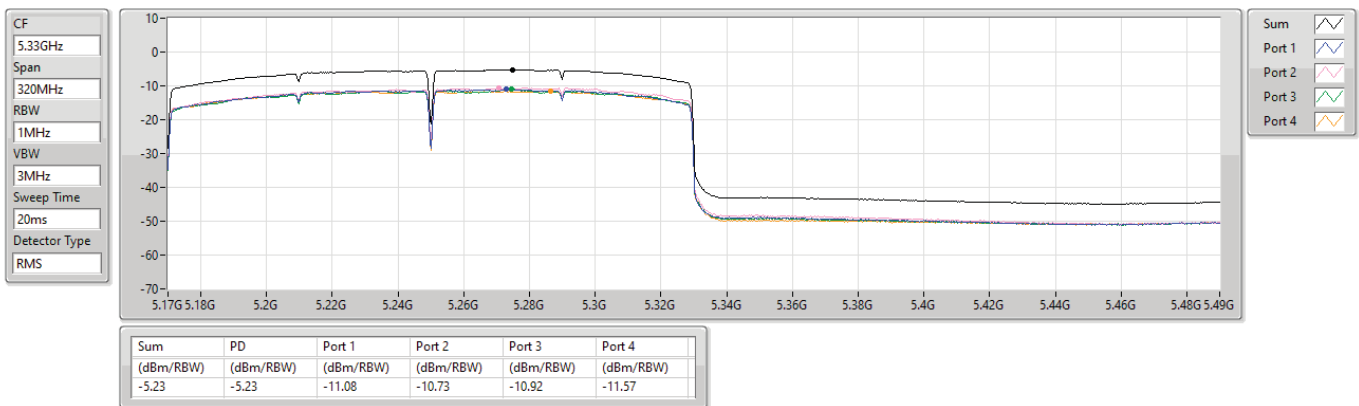


5.25-5.35GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

30/03/2023



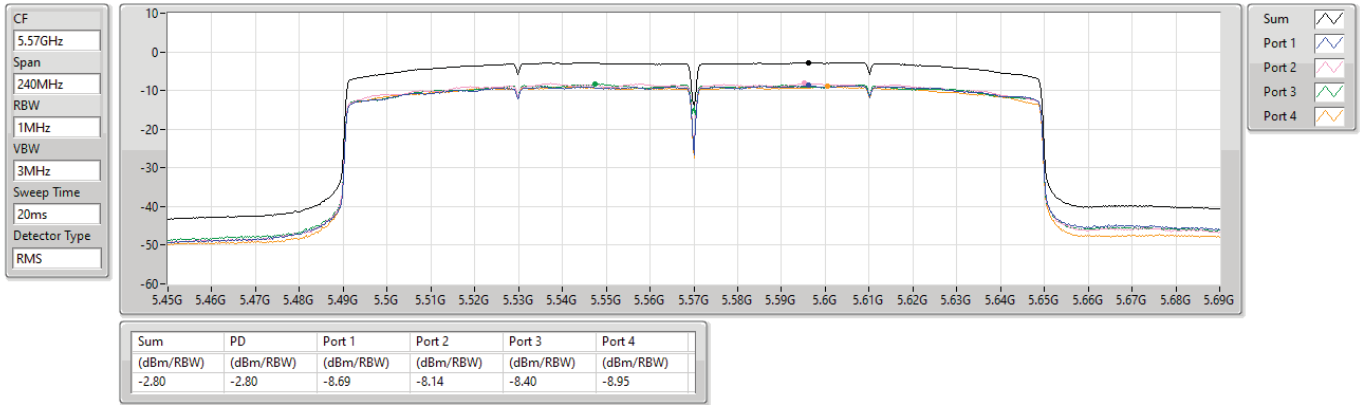


5.47-5.725GHz_802.11ax_HEW160_Nss1,(MCS0)_4TX

PSD

5570MHz

30/03/2023





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.85-5.895GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	8.22	19.94
802.11ax HEW20_Nss1,(MCS0)_4TX	7.97	19.69
802.11ax HEW40_Nss1,(MCS0)_4TX	8.21	19.93
802.11ax HEW80_Nss1,(MCS0)_4TX	6.54	18.26
802.11ax HEW160_Nss1,(MCS0)_4TX	-0.59	11.13

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	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	11.72	2.10	2.08	1.75	2.09	7.99	Inf	19.71	20.00
5865MHz	Pass	11.72	2.34	2.40	2.42	2.73	8.22	Inf	19.94	20.00
5885MHz	Pass	11.72	2.14	2.23	2.38	2.70	8.10	Inf	19.82	20.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	11.72	1.77	1.88	2.06	1.65	7.85	Inf	19.57	20.00
5865MHz	Pass	11.72	2.11	2.24	2.14	2.24	7.97	Inf	19.69	20.00
5885MHz	Pass	11.72	1.91	1.98	1.92	2.10	7.77	Inf	19.49	20.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	11.72	2.88	2.42	2.09	2.24	8.21	Inf	19.93	20.00
5875MHz	Pass	11.72	2.07	2.10	2.19	2.15	7.96	Inf	19.68	20.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	11.72	0.80	0.63	0.77	0.76	6.54	Inf	18.26	20.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	11.72	-6.18	-6.33	-6.10	-7.24	-0.59	Inf	11.13	20.00

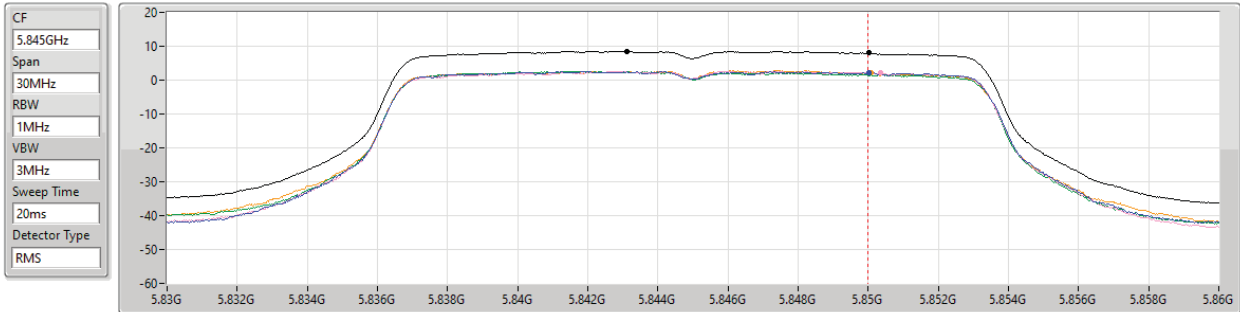
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5845MHz

31/03/2023



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
8.43	5.42	500k	-3.01

5850-5895MHz

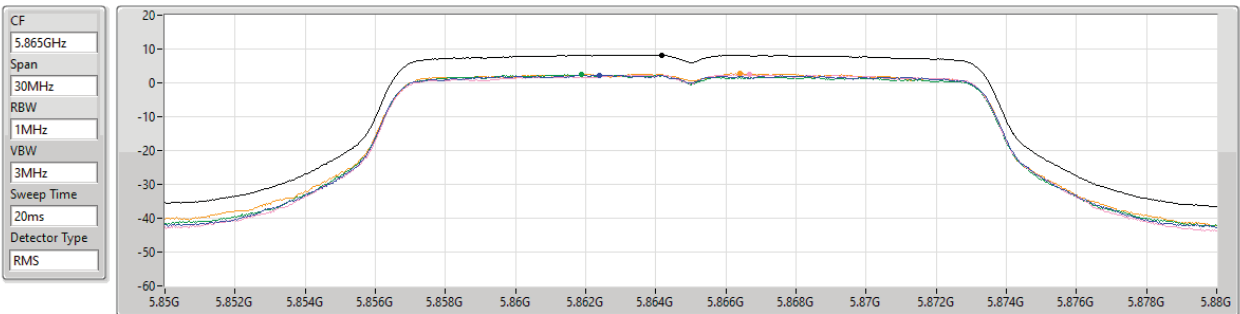
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.99	7.99	2.10	2.08	1.75	2.09

5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5865MHz

31/03/2023



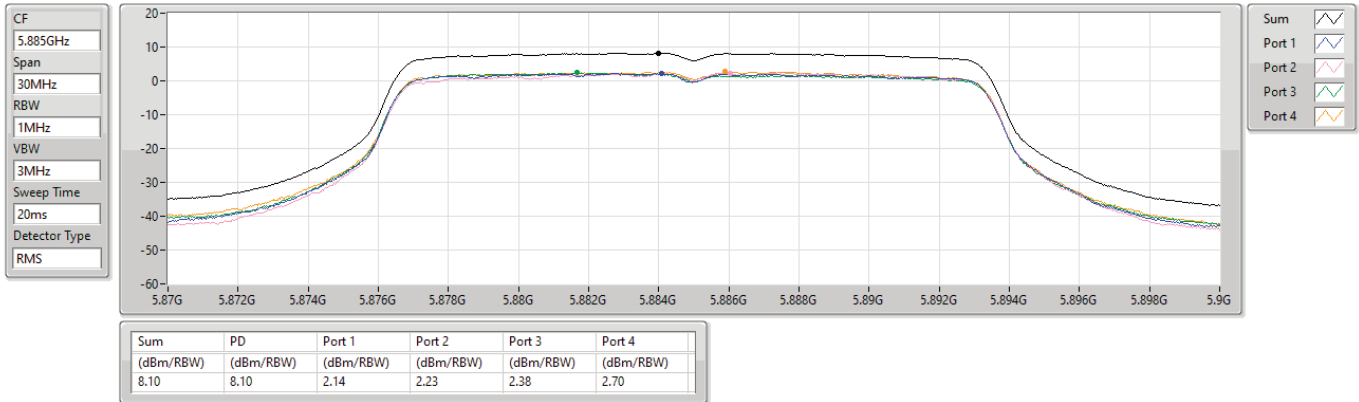
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.22	8.22	2.34	2.40	2.42	2.73

5.85-5.895GHz_802.11a_Nss1,(6Mbps)_4TX

PSD

5885MHz

31/03/2023

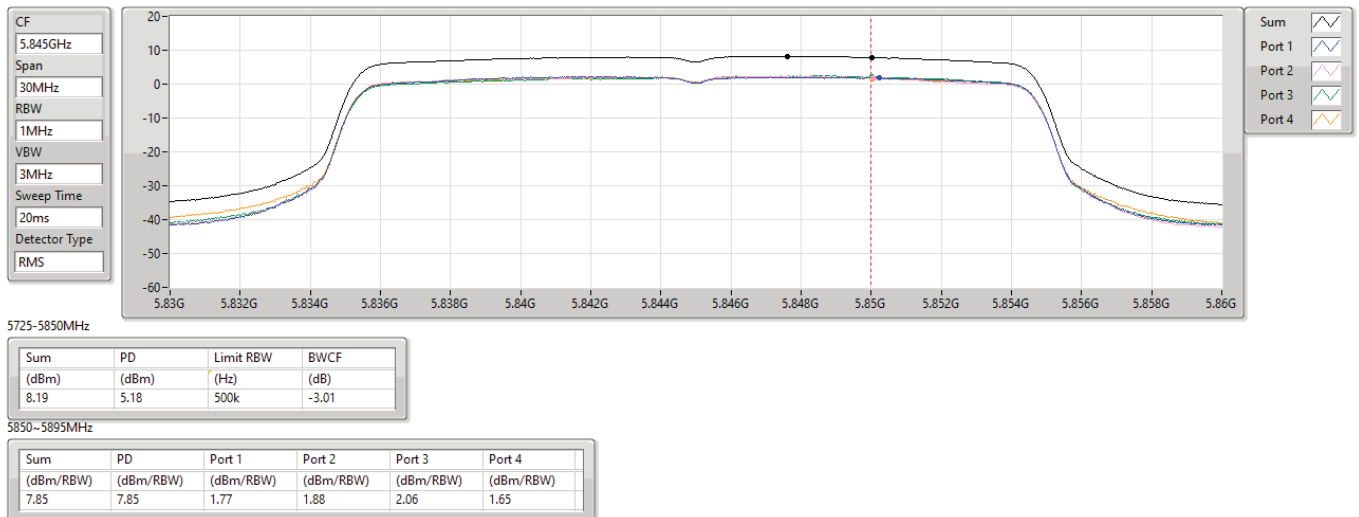


5.85-5.895GHz_802.11ax_HEW20_Nss1,(MCS0)_4TX

PSD

5845MHz

31/03/2023

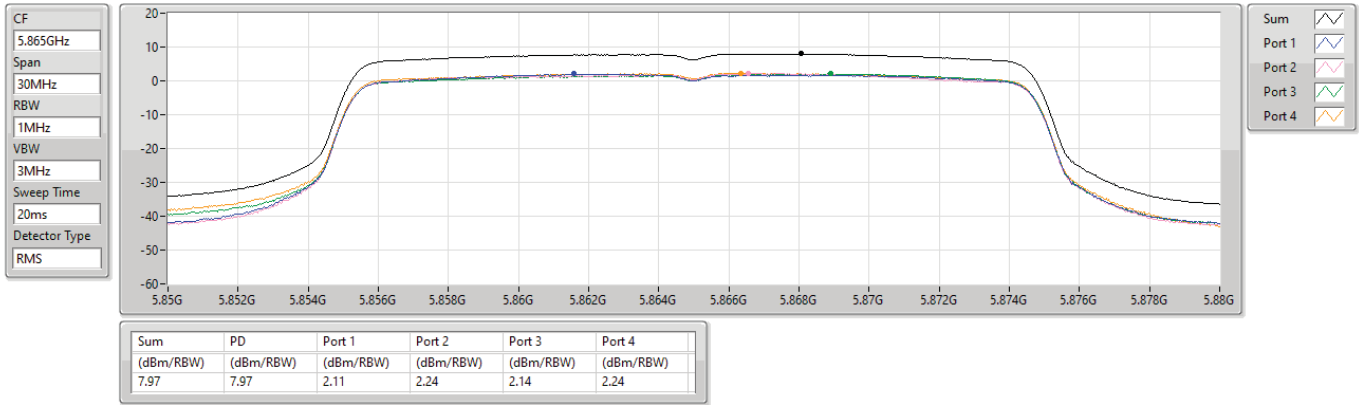


5.85-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5865MHz

31/03/2023

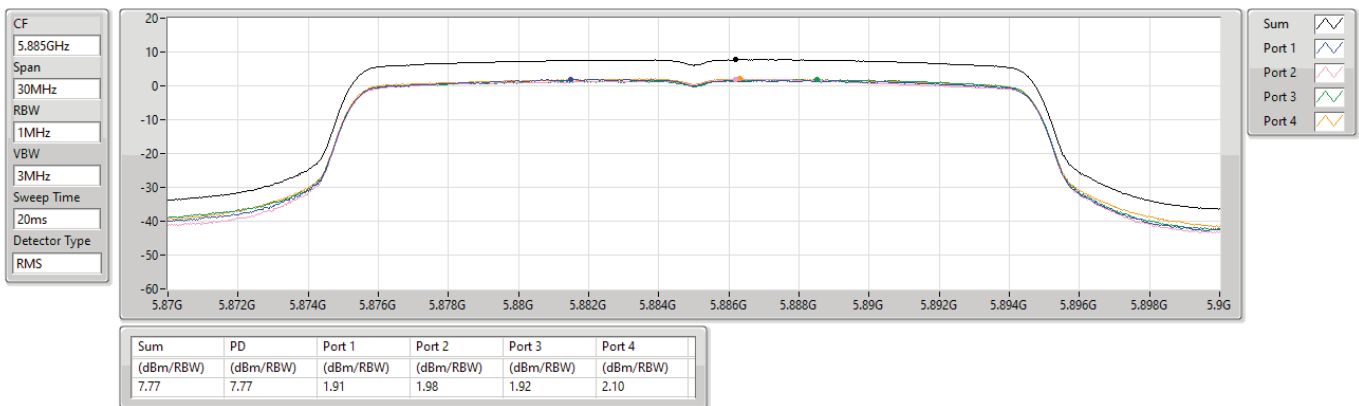


5.85-5.895GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

5885MHz

31/03/2023





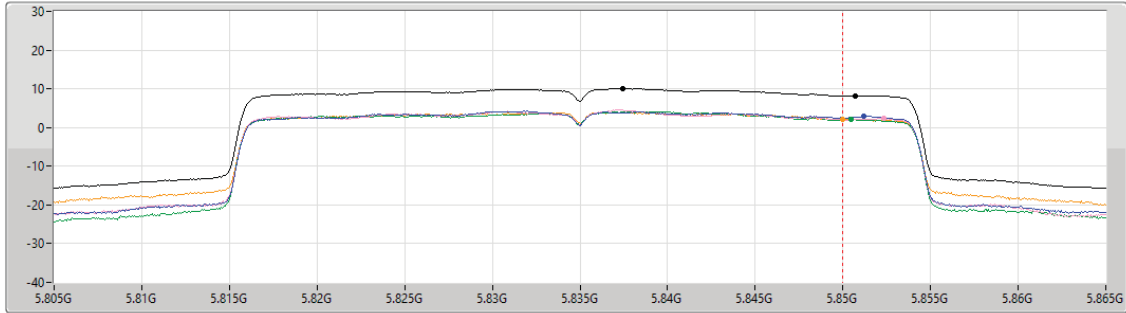
5.85-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5835MHz

31/03/2023

CF
5.835GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
10.11	7.10	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.21	8.21	2.88	2.42	2.09	2.24

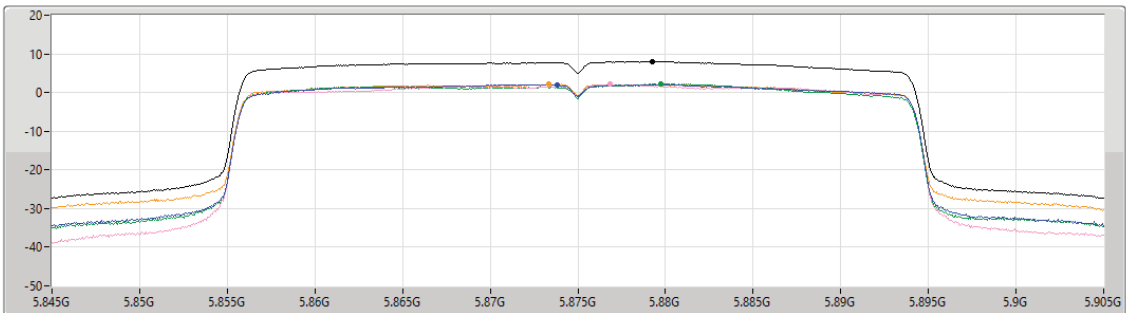
5.85-5.895GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

5875MHz

31/03/2023

CF
5.875GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.96	7.96	2.07	2.10	2.19	2.15

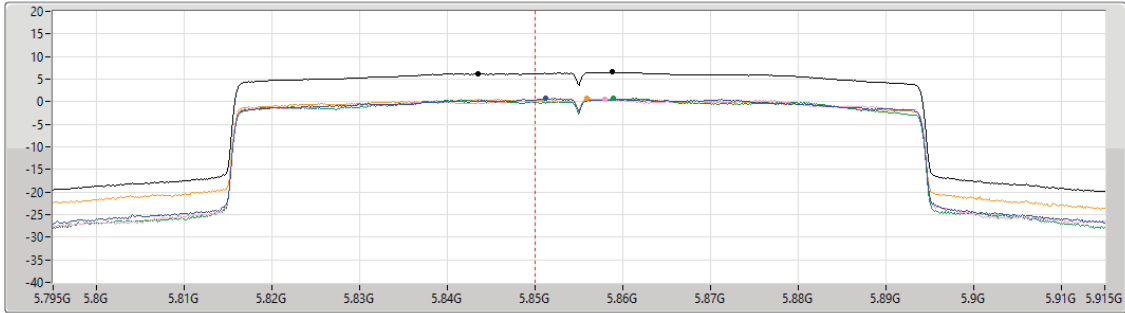
5.85-5.895GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

PSD

5855MHz

31/03/2023

CF
5.855GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
6.20	3.19	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.54	6.54	0.80	0.63	0.77	0.76

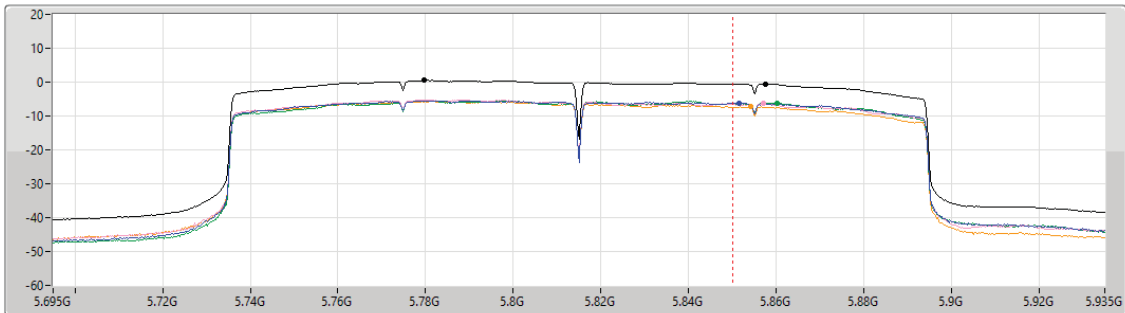
5.85-5.895GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

PSD

5815MHz

31/03/2023

CF
5.815GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
0.51	-2.50	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.59	-0.59	-6.18	-6.33	-6.10	-7.24

**Summary**

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.01	20.83
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.90	18.72
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-1.74	10.08
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-5.17	6.65
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	3.12	14.94
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.17	11.99
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-3.38	8.44
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-5.42	6.40
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	3.67	15.59
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.66	12.58
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-2.56	9.36
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-5.78	6.14
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.50	16.22
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	1.84	13.56
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-2.45	9.27

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	11.82	3.11	3.13	3.15	2.89	8.88	11.18	20.70	23.00
5200MHz	Pass	11.82	3.55	3.37	2.94	3.04	9.01	11.18	20.83	23.00
5240MHz	Pass	11.82	-0.58	-0.24	-0.53	-0.63	5.16	11.18	16.98	23.00
5260MHz	Pass	11.82	-2.28	-1.93	-2.81	-2.91	3.12	5.18	14.94	17.00
5300MHz	Pass	11.82	-2.30	-2.15	-2.79	-2.93	3.10	5.18	14.92	17.00
5320MHz	Pass	11.82	-2.47	-2.27	-3.03	-3.05	2.93	5.18	14.75	17.00
5500MHz	Pass	11.92	-2.47	-1.84	-2.66	-1.82	3.67	5.08	15.59	17.00
5580MHz	Pass	11.92	-2.33	-2.32	-2.99	-2.93	3.19	5.08	15.11	17.00
5700MHz	Pass	11.92	-2.05	-2.33	-2.52	-2.94	3.14	5.08	15.06	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	11.92	-2.03	-2.30	-2.38	-2.42	3.62	5.08	15.54	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	11.72	-3.55	-3.94	-3.81	-3.80	2.12	24.28	13.84	36.00
5745MHz	Pass	11.72	-1.70	-1.98	-1.70	-1.95	3.97	24.28	15.69	36.00
5785MHz	Pass	11.72	-1.12	-1.48	-1.12	-1.78	4.46	24.28	16.18	36.00
5825MHz	Pass	11.72	-1.26	-1.20	-1.45	-1.06	4.50	24.28	16.22	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5190MHz	Pass	11.82	-3.02	-2.70	-2.98	-3.27	2.76	11.18	14.58	23.00
5230MHz	Pass	11.82	0.86	1.42	1.51	1.02	6.90	11.18	18.72	23.00
5270MHz	Pass	11.82	-5.60	-5.04	-5.83	-5.88	0.17	5.18	11.99	17.00
5310MHz	Pass	11.82	-5.77	-5.18	-5.80	-6.53	-0.22	5.18	11.60	17.00
5510MHz	Pass	11.92	-5.38	-5.15	-5.66	-5.43	0.32	5.08	12.24	17.00
5550MHz	Pass	11.92	-5.11	-5.50	-5.77	-5.85	-0.02	5.08	11.90	17.00
5670MHz	Pass	11.92	-5.12	-5.72	-5.70	-5.67	0.22	5.08	12.14	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	11.92	-4.62	-5.49	-5.41	-5.23	0.66	5.08	12.58	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	11.72	-6.44	-7.23	-6.99	-7.14	-1.15	24.28	10.57	36.00
5755MHz	Pass	11.72	-4.13	-4.48	-4.60	-4.46	1.15	24.28	12.87	36.00
5795MHz	Pass	11.72	-3.32	-3.52	-4.13	-4.23	1.84	24.28	13.56	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5210MHz	Pass	11.82	-7.47	-6.72	-7.27	-7.65	-1.74	11.18	10.08	23.00
5290MHz	Pass	11.82	-8.54	-8.13	-9.08	-9.78	-3.38	5.18	8.44	17.00
5530MHz	Pass	11.92	-9.53	-9.49	-9.24	-9.91	-4.00	5.08	7.92	17.00
5610MHz	Pass	11.92	-9.01	-9.22	-8.90	-9.09	-3.52	5.08	8.40	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	11.92	-7.69	-8.39	-7.72	-8.57	-2.56	5.08	9.36	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	11.72	-10.28	-10.81	-10.55	-11.07	-4.86	24.28	6.86	36.00
5775MHz	Pass	11.72	-8.31	-8.28	-8.05	-7.43	-2.45	24.28	9.27	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5250MHz Straddle 5.15-5.25GHz	Pass	11.82	-11.46	-9.75	-11.80	-11.35	-5.17	11.18	6.65	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	11.82	-11.20	-9.81	-10.81	-11.50	-5.42	5.18	6.40	17.00
5570MHz	Pass	11.92	-10.39	-10.76	-11.25	-11.48	-5.78	5.08	6.14	17.00

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;

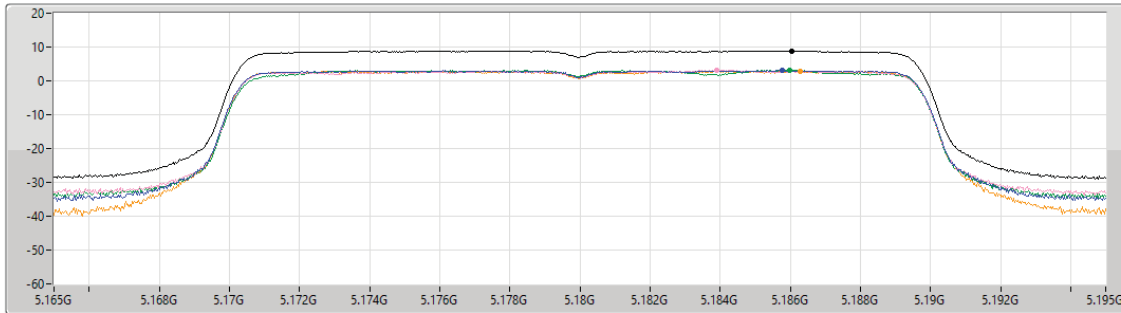
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5180MHz

13/04/2023

CF
5.18GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.88	8.88	3.11	3.13	3.15	2.89

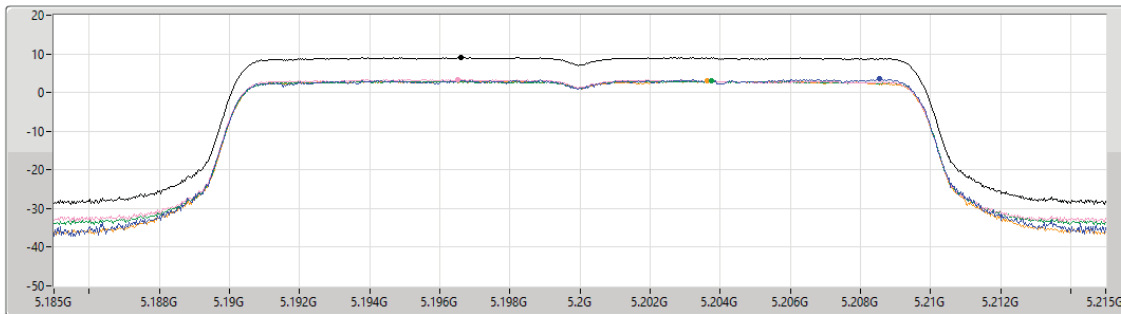
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5200MHz

13/04/2023

CF
5.2GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.01	9.01	3.55	3.37	2.94	3.04



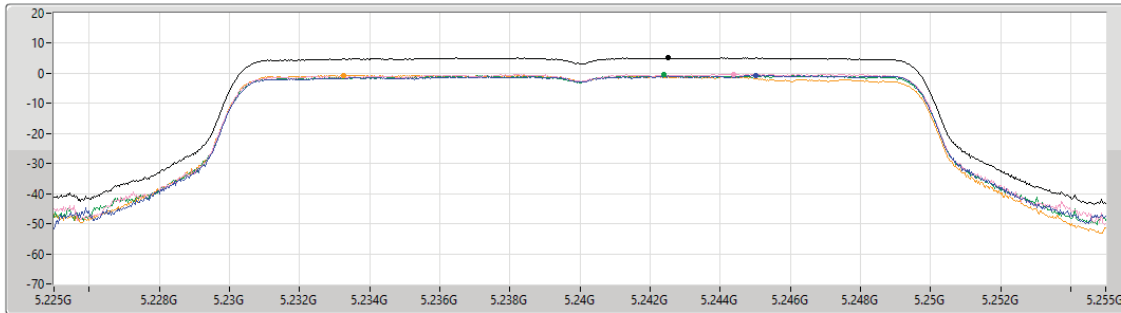
5.15-5.25GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5240MHz

13/04/2023

CF
5.24GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.16	5.16	-0.58	-0.24	-0.53	-0.63

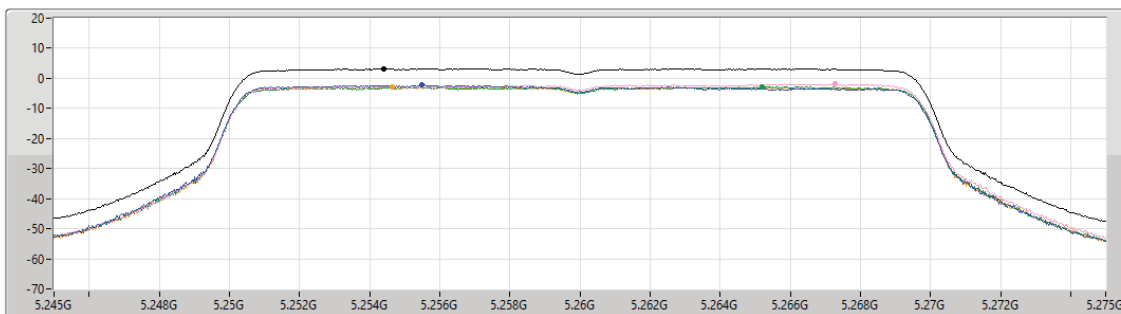
5.25-5.35GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5260MHz

31/03/2023

CF
5.26GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.12	3.12	-2.28	-1.93	-2.81	-2.91

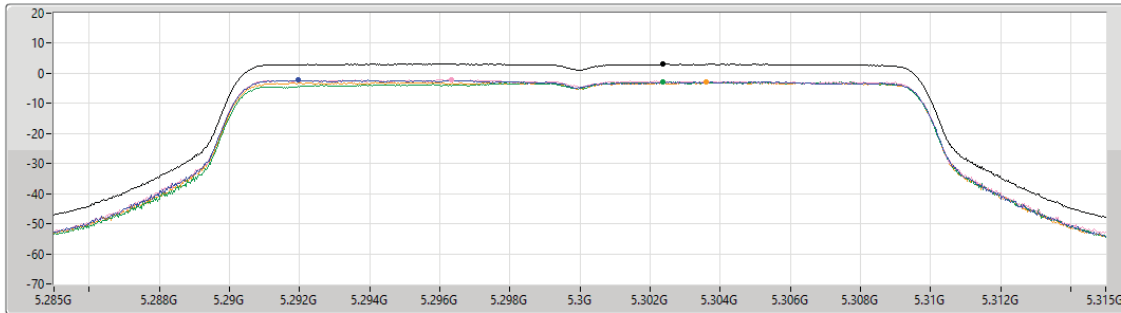
5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5300MHz

31/03/2023

CF
5.3GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.10	3.10	-2.30	-2.15	-2.79	-2.93

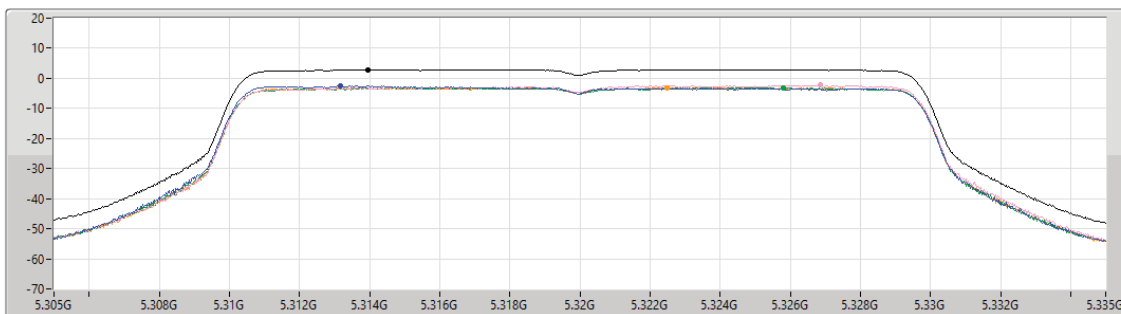
5.25-5.35GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5320MHz

31/03/2023

CF
5.32GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.93	2.93	-2.47	-2.27	-3.03	-3.05

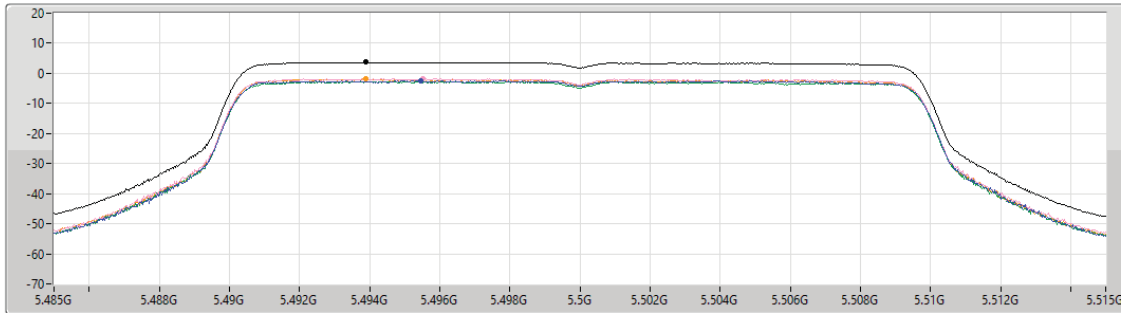
5.47-5.725GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5500MHz

31/03/2023

CF
5.5GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.67	3.67	-2.47	-1.84	-2.66	-1.82

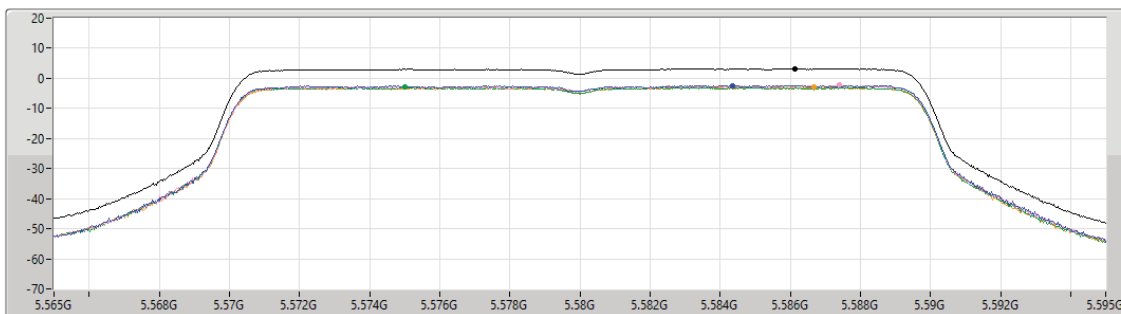
5.47-5.725GHz_802.11ax_HEW20-BF_Nss1,(MCS0)_4TX

PSD

5580MHz

31/03/2023

CF
5.58GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.19	3.19	-2.33	-2.32	-2.99	-2.93

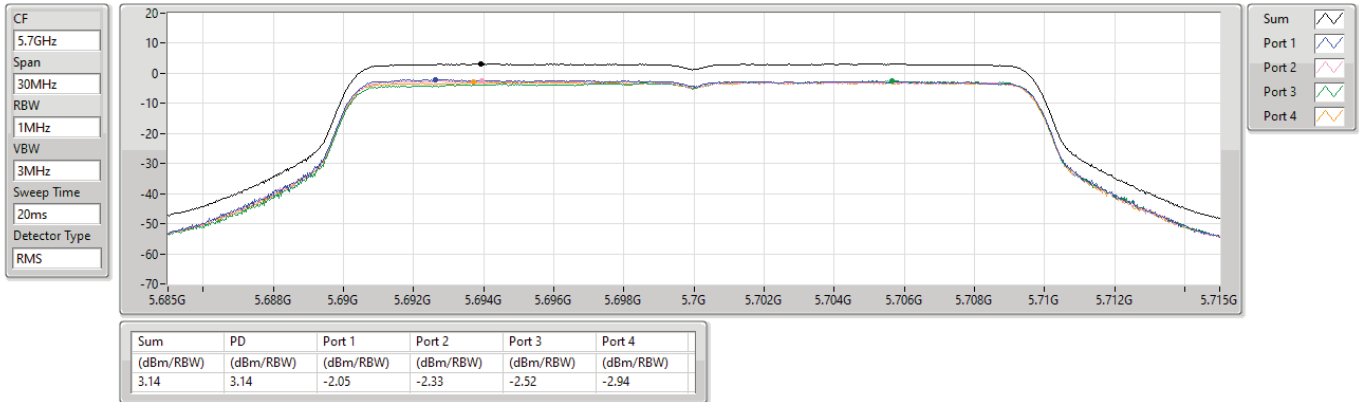


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5700MHz

31/03/2023

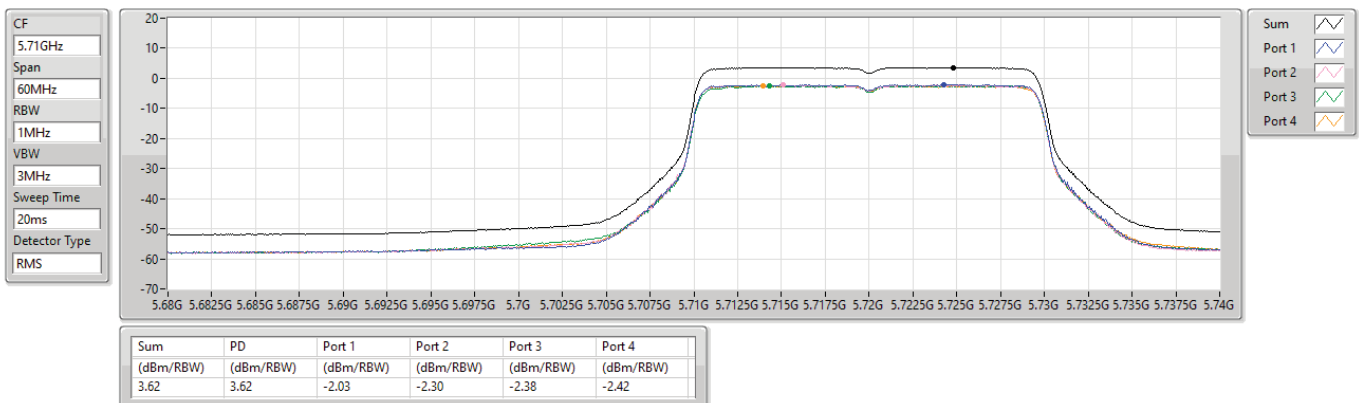


5.47-5.725GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.47-5.725GHz

31/03/2023

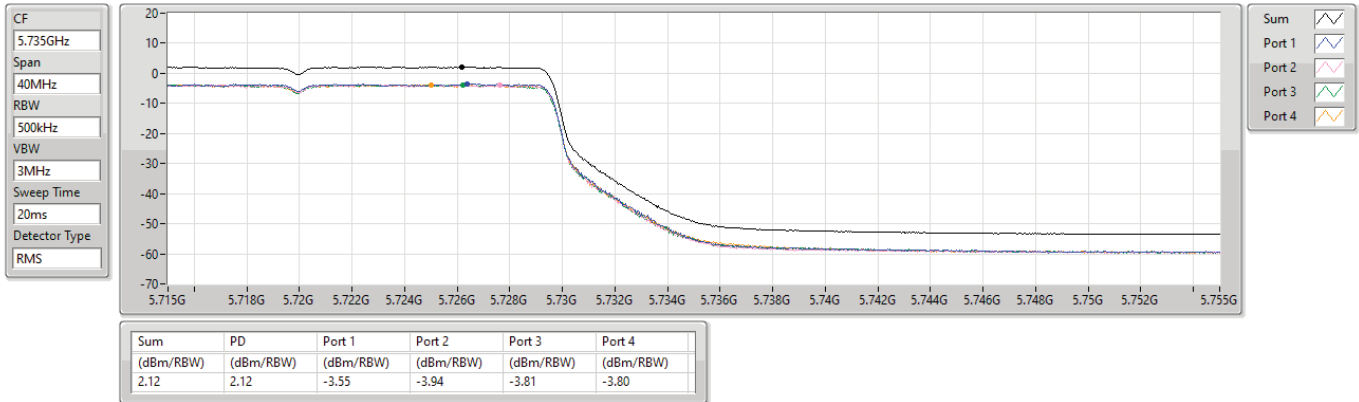


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5720MHz Straddle 5.725-5.85GHz

31/03/2023

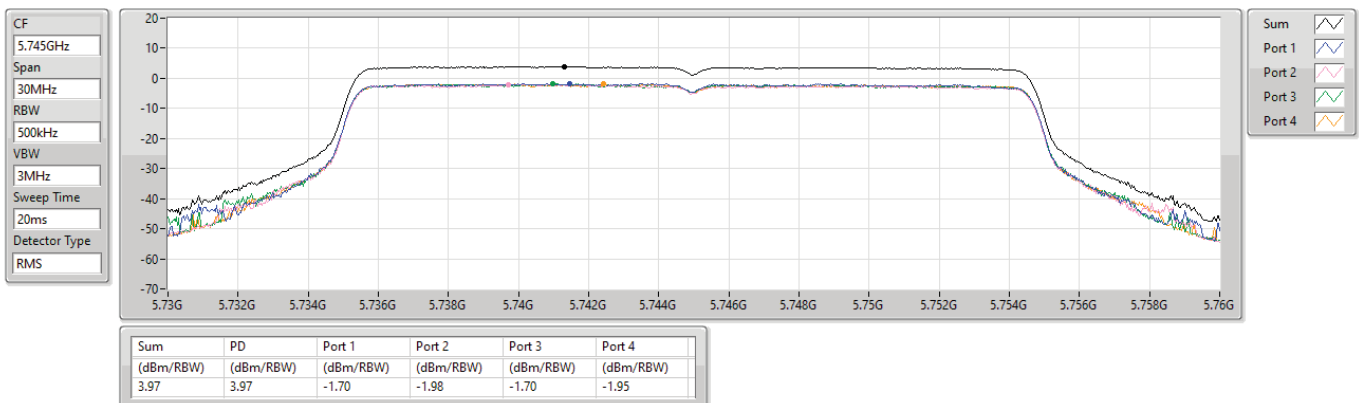


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5745MHz

31/03/2023

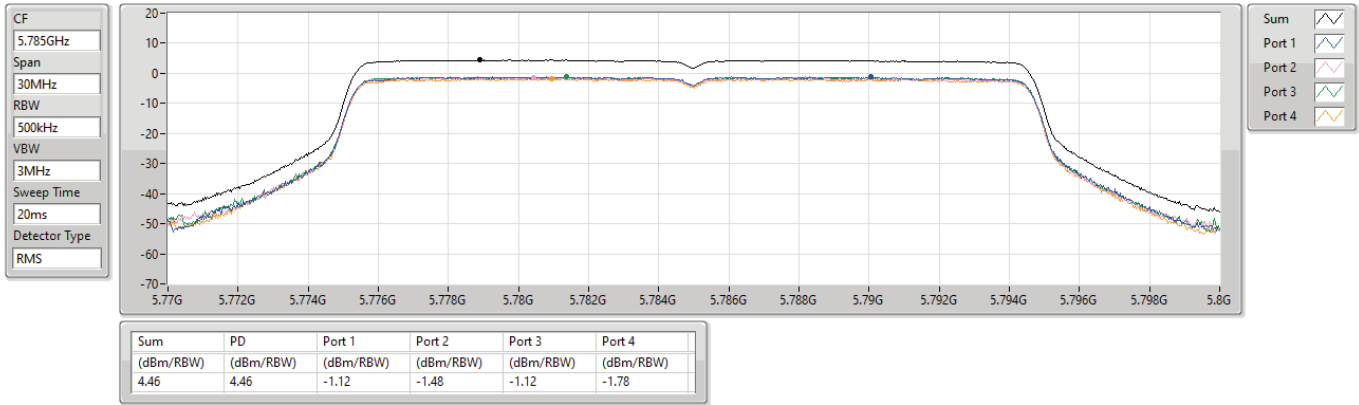


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5785MHz

31/03/2023

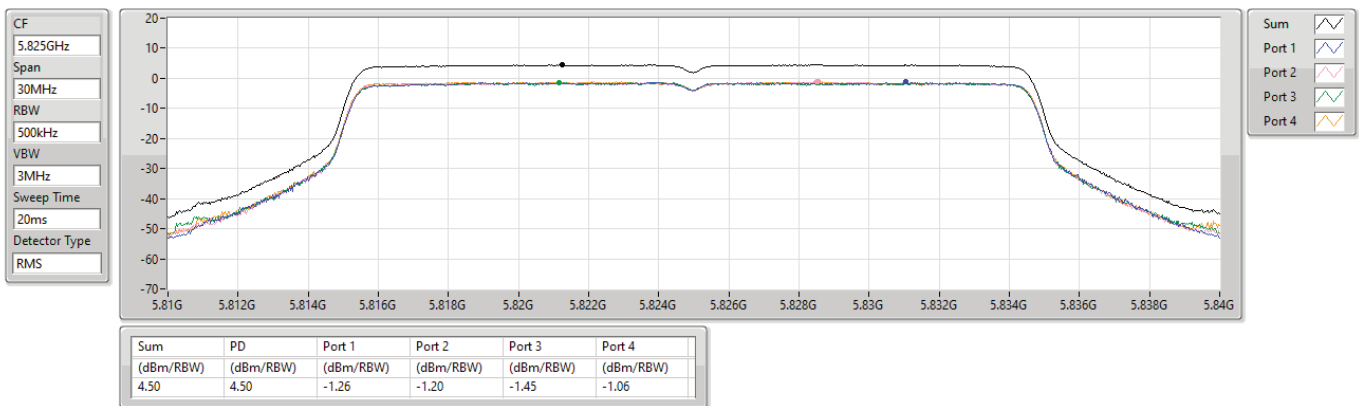


5.725-5.85GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5825MHz

31/03/2023



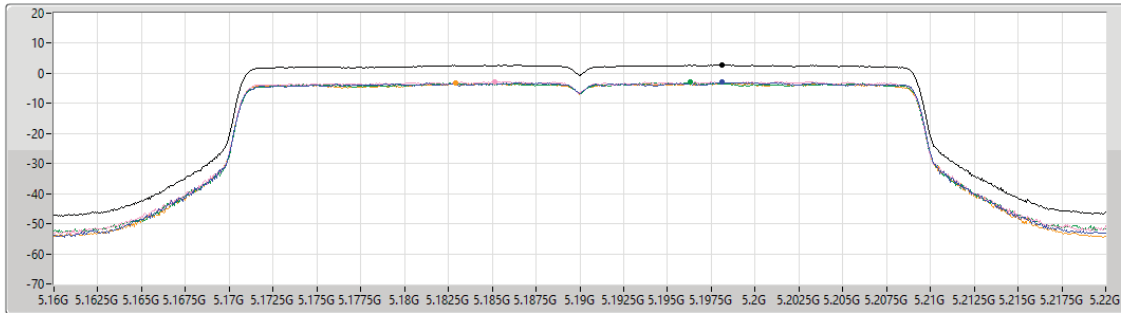
5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5190MHz

31/03/2023

CF
5.19GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.76	2.76	-3.02	-2.70	-2.98	-3.27

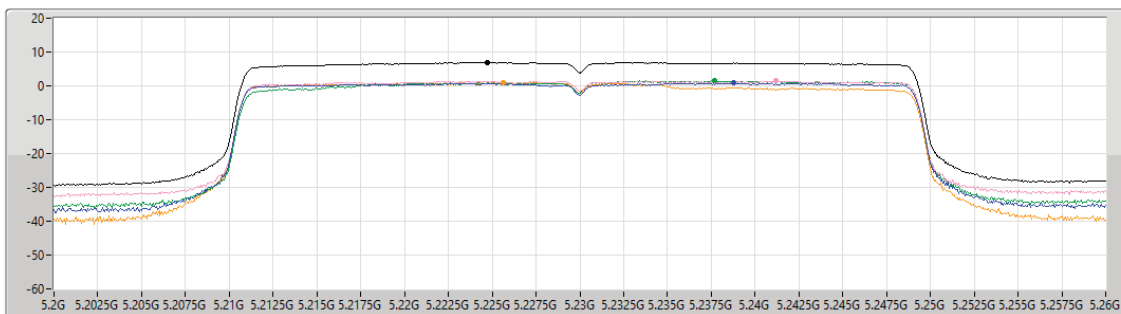
5.15-5.25GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5230MHz

13/04/2023

CF
5.23GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.90	6.90	0.86	1.42	1.51	1.02

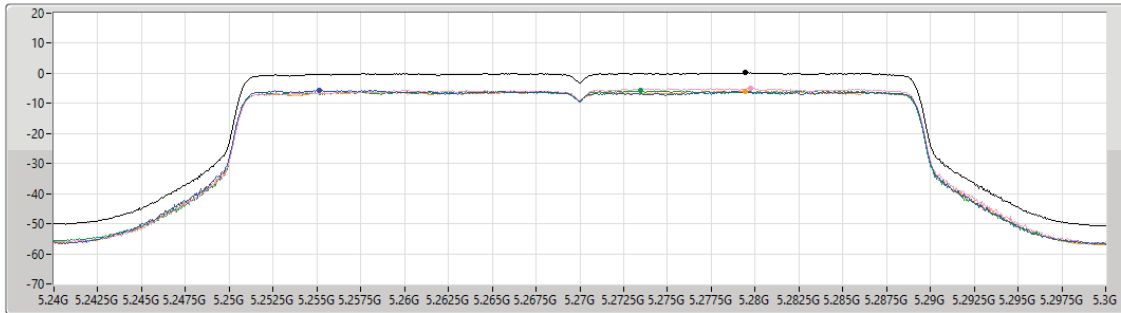
5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5270MHz

31/03/2023

CF
5.27GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.17	0.17	-5.60	-5.04	-5.83	-5.88

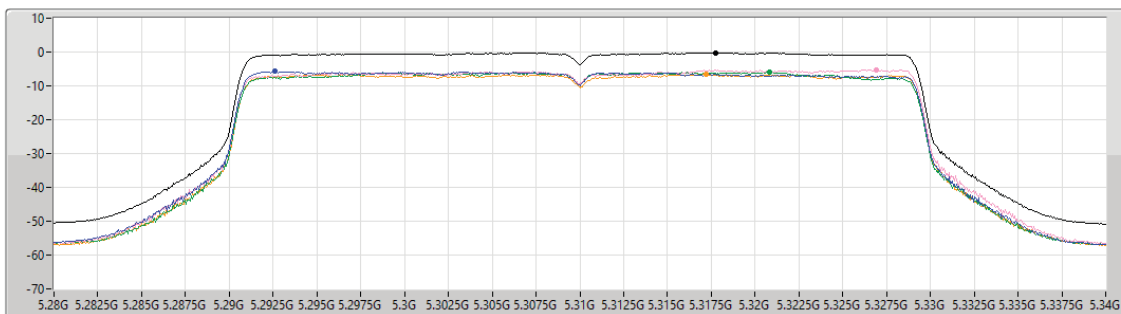
5.25-5.35GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5310MHz

31/03/2023

CF
5.31GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.22	-0.22	-5.77	-5.18	-5.80	-6.53

5.47-5.725GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5510MHz

31/03/2023

CF
5.51GHz

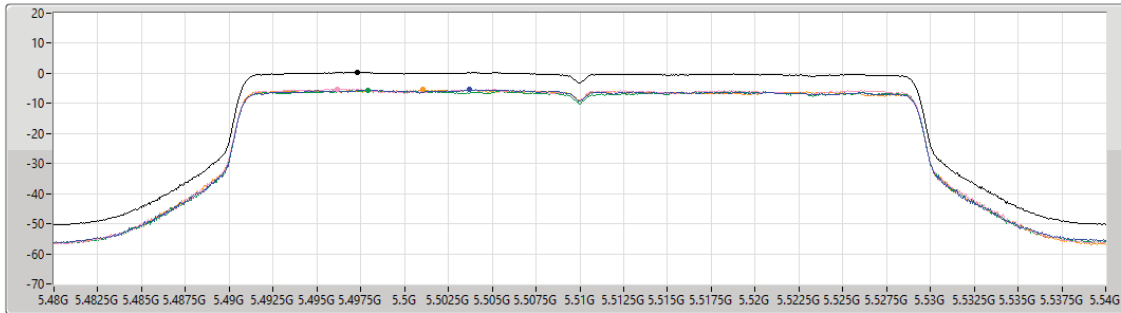
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.32	0.32	-5.38	-5.15	-5.66	-5.43

5.47-5.725GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5550MHz

31/03/2023

CF
5.55GHz

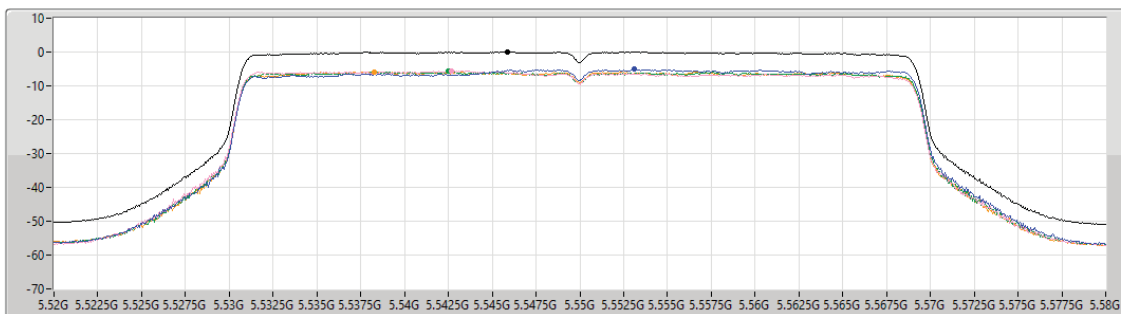
Span
60MHz

RBW
1MHz

VBW
3MHz

Sweep Time
20ms

Detector Type
RMS



Sum 

Port 1 

Port 2 

Port 3 

Port 4 

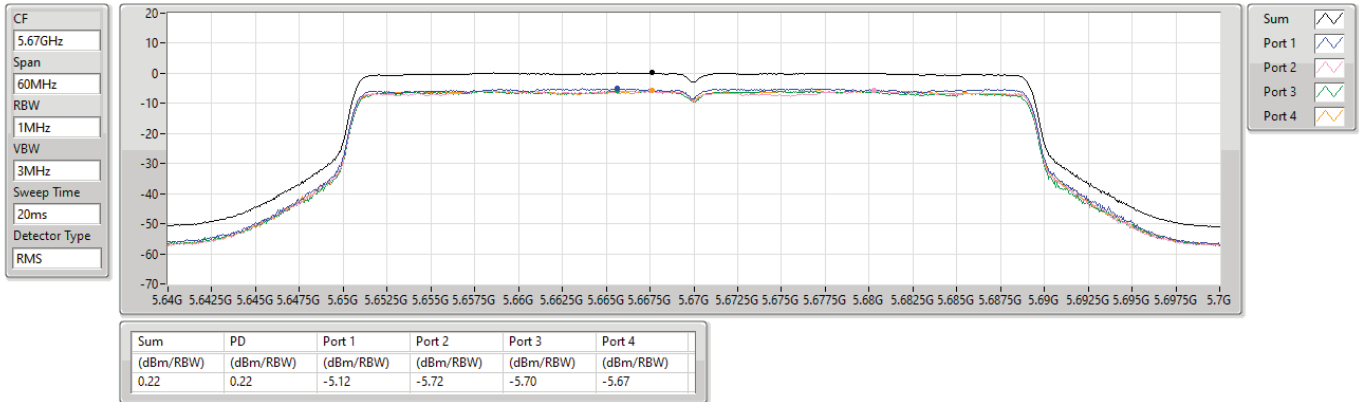
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.02	-0.02	-5.11	-5.50	-5.77	-5.85

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

PSD

5670MHz

31/03/2023

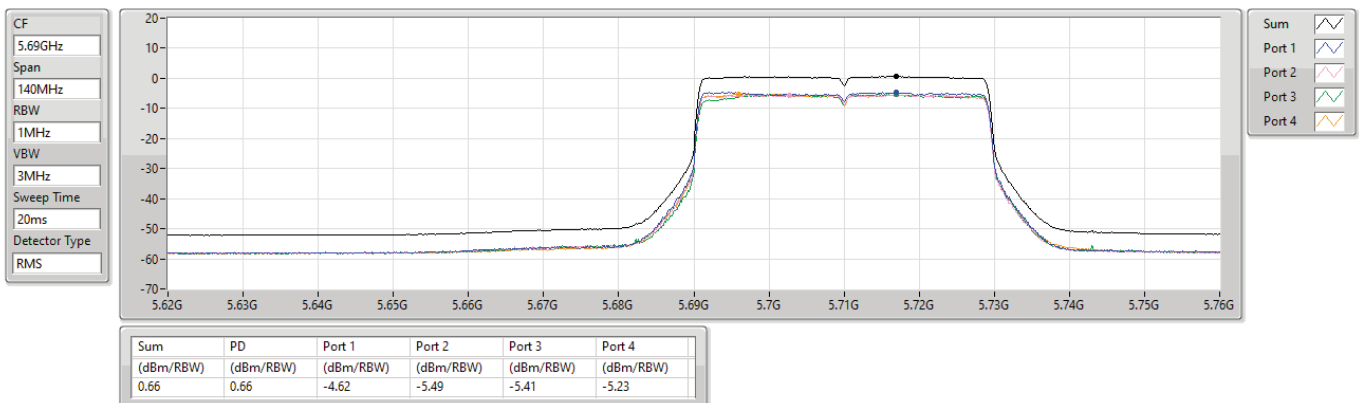


5.47-5.725GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.47-5.725GHz

31/03/2023



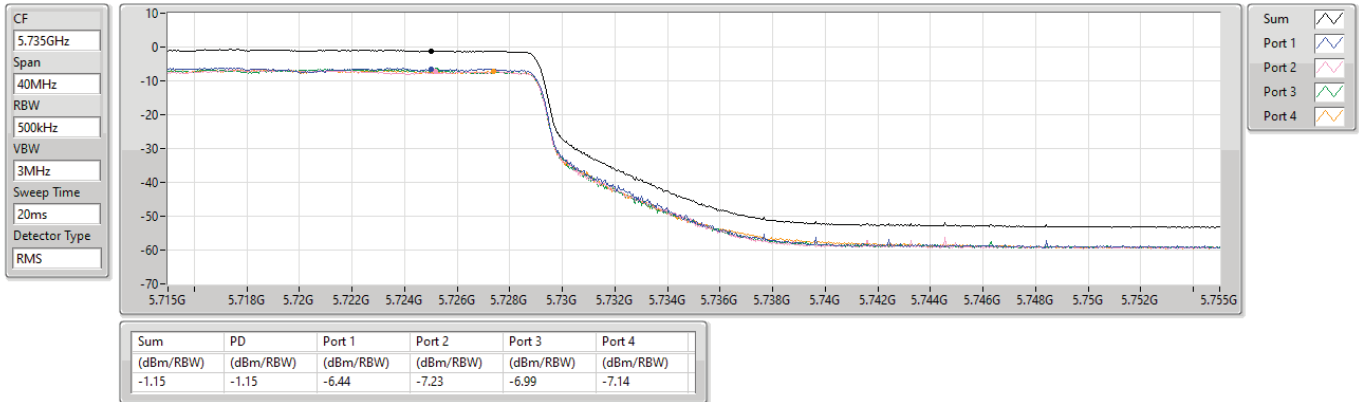


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5710MHz Straddle 5.725-5.85GHz

31/03/2023

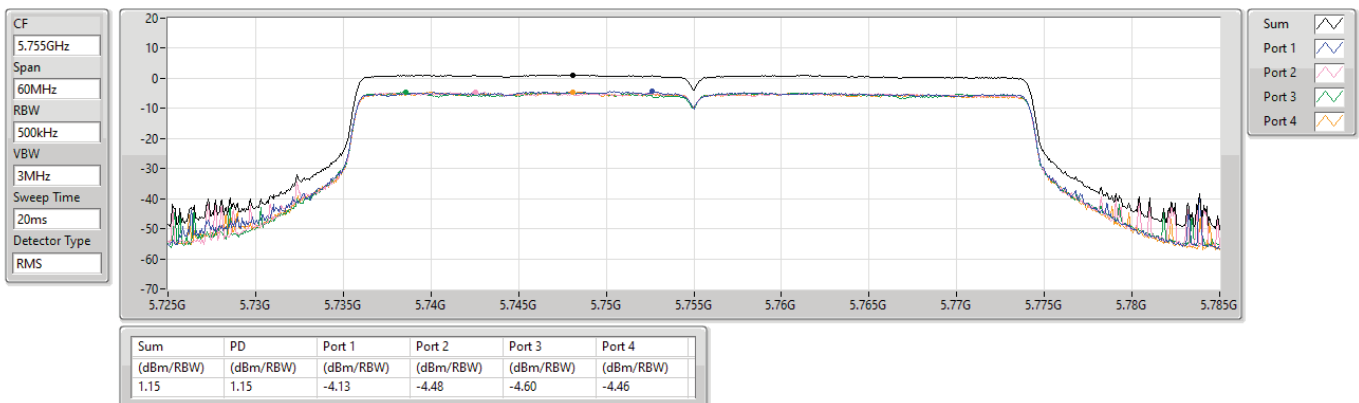


5.725-5.85GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5755MHz

31/03/2023





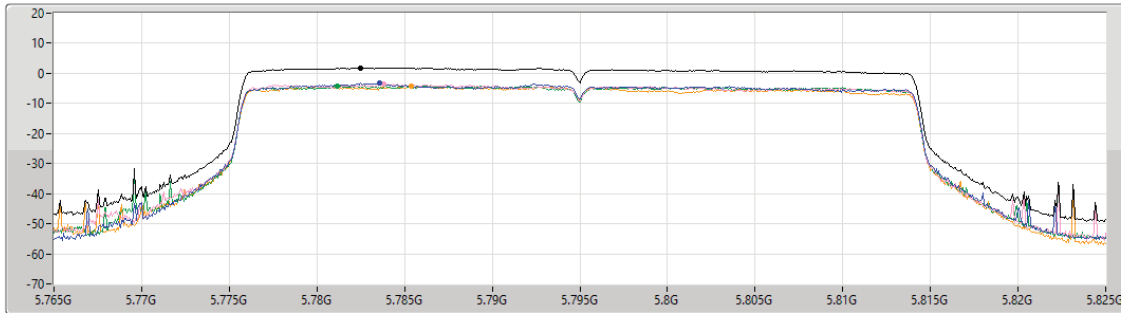
5.725-5.85GHz_802.11ax_HEW40-BF_Nss1,(MCS0)_4TX

PSD

5795MHz

31/03/2023

CF
5.795GHz
Span
60MHz
RBW
500kHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
1.84	1.84	-3.32	-3.52	-4.13	-4.23

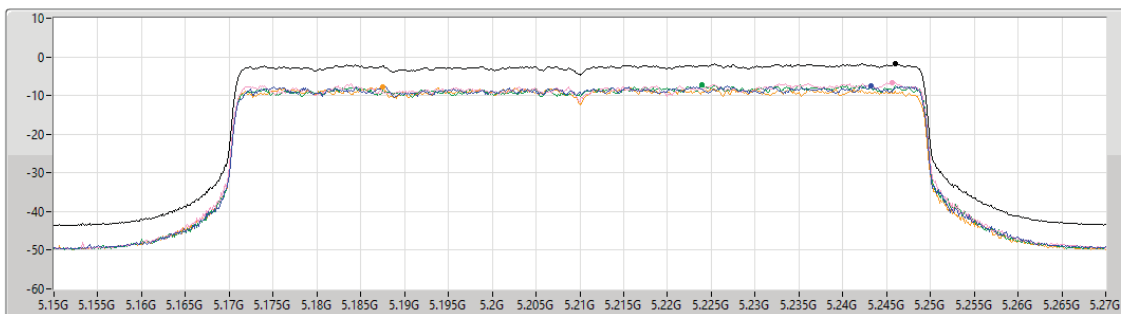
5.15-5.25GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

PSD

5210MHz

30/03/2023

CF
5.21GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)	(dBm/100kHz)
-1.74	-1.74	-7.47	-6.72	-7.27	-7.65



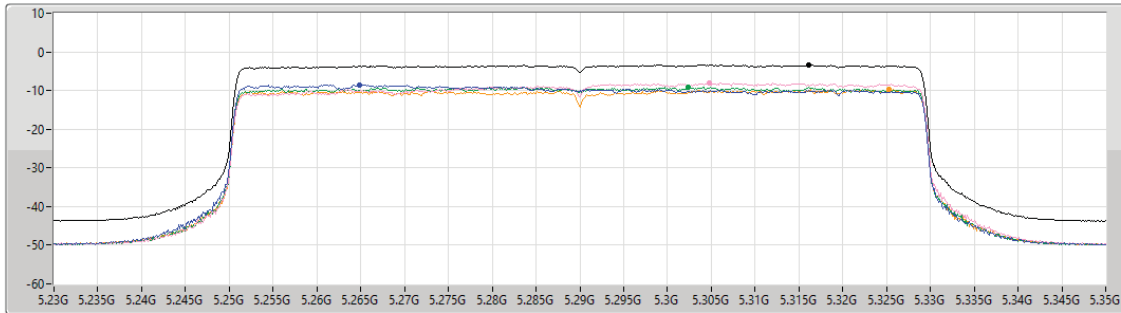
5.25-5.35GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5290MHz

30/03/2023

CF
5.29GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
-3.38	-3.38	-8.54	-8.13	-9.08	-9.78

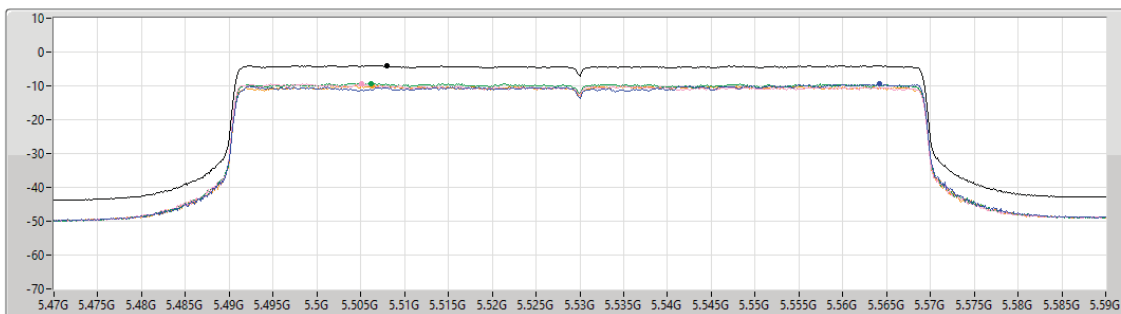
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5530MHz

30/03/2023

CF
5.53GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)	(dBm/100MHz)
-4.00	-4.00	-9.53	-9.49	-9.24	-9.91

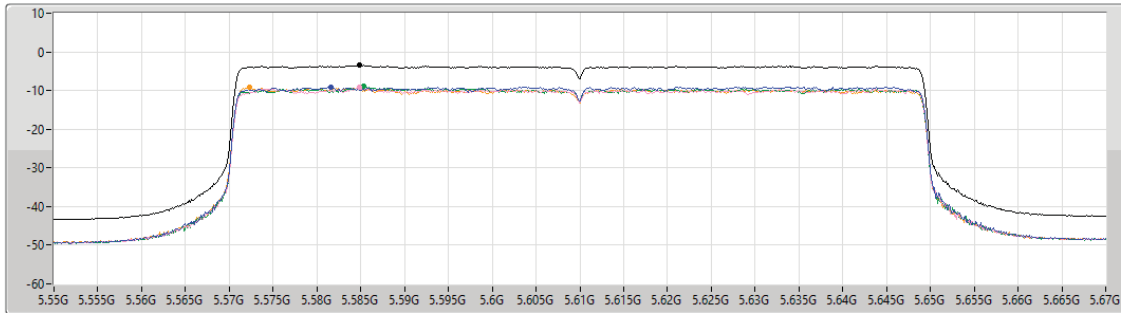
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5610MHz

30/03/2023

CF
5.61GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.52	-3.52	-9.01	-9.22	-8.90	-9.09

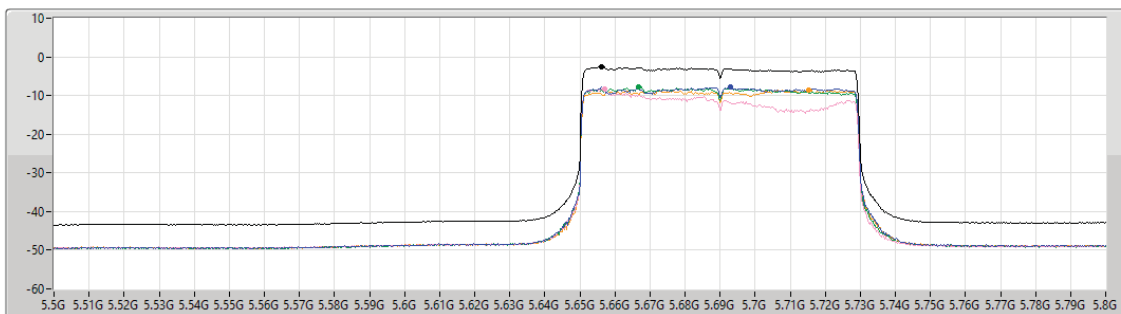
5.47-5.725GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.47-5.725GHz

30/03/2023

CF
5.65GHz
Span
300MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

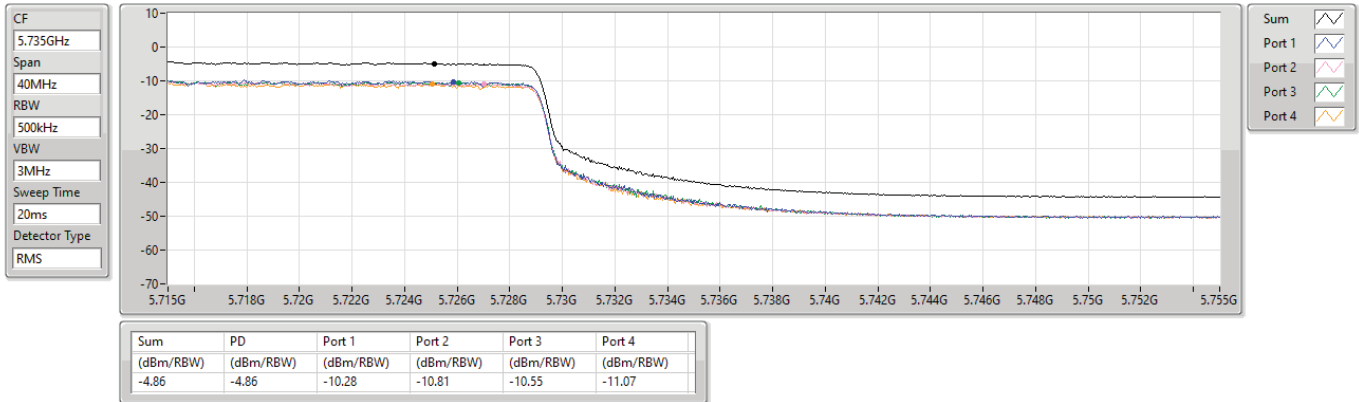
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.56	-2.56	-7.69	-8.39	-7.72	-8.57

5.725-5.85GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

PSD

5690MHz Straddle 5.725-5.85GHz

30/03/2023

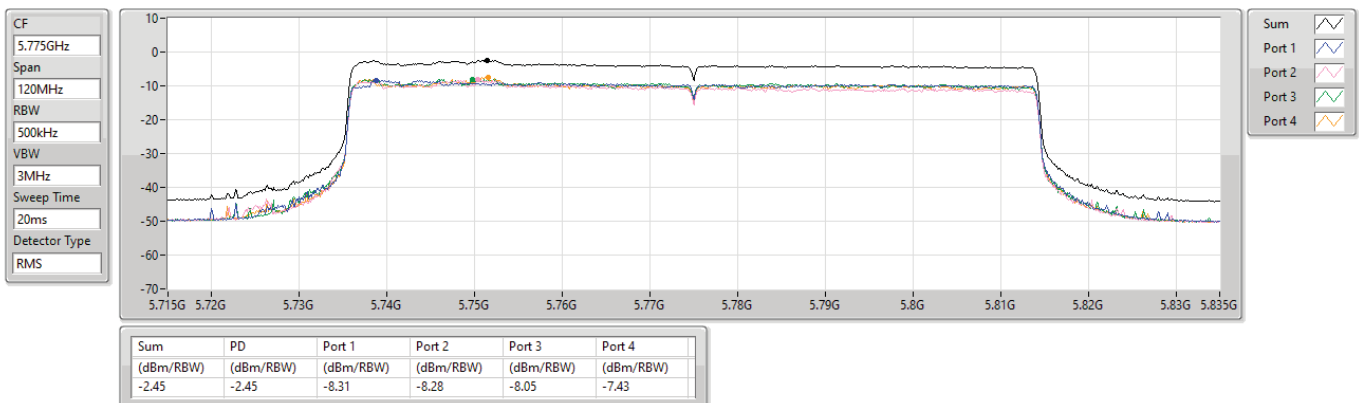


5.725-5.85GHz_802.11ax_HEW80-BF_Nss1,(MCS0)_4TX

PSD

5775MHz

30/03/2023

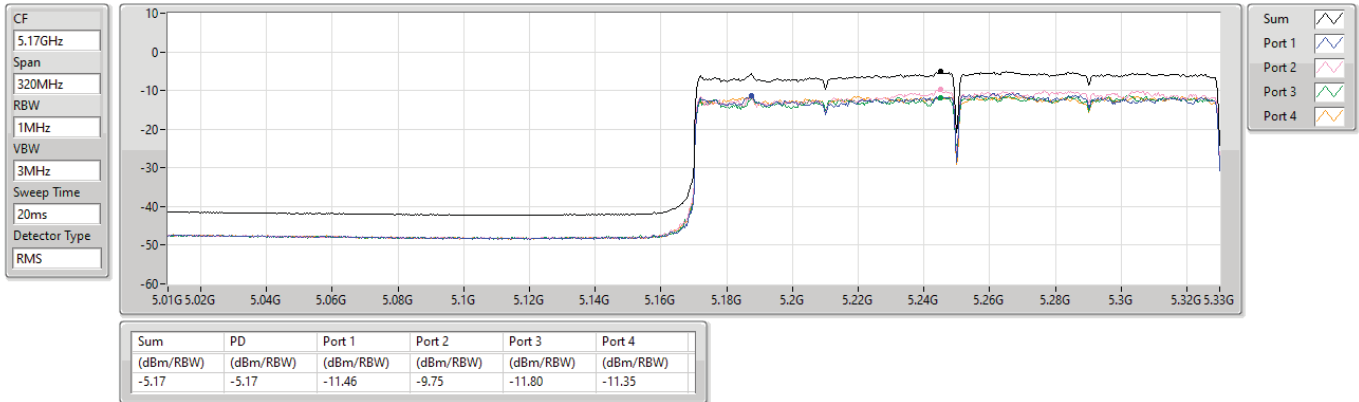


5.15-5.25GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.15-5.25GHz

30/03/2023

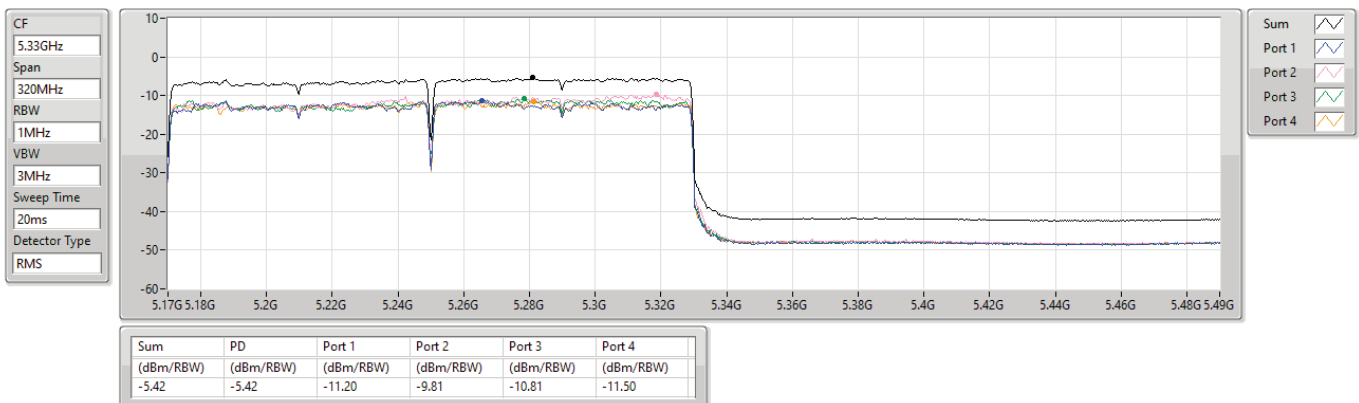


5.25-5.35GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5250MHz Straddle 5.25-5.35GHz

30/03/2023



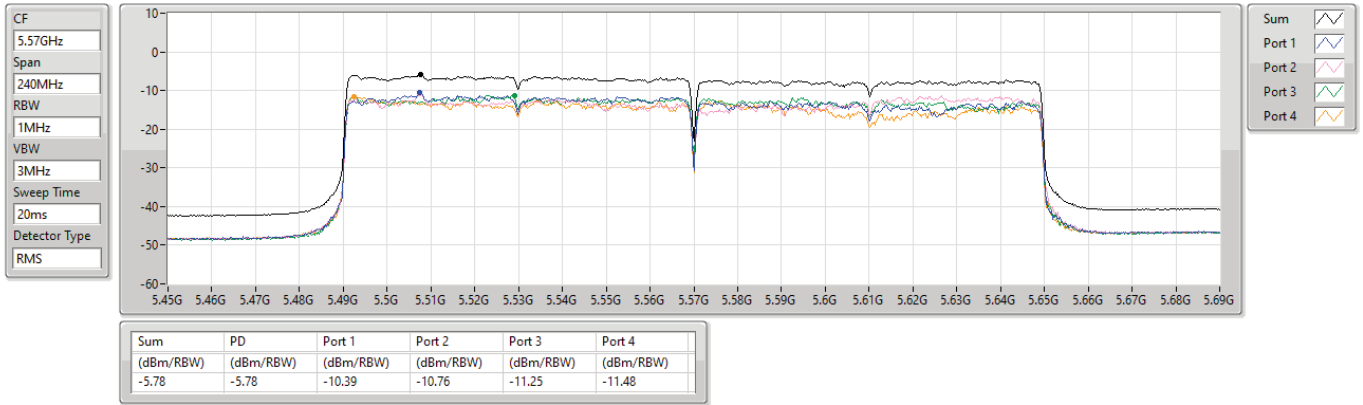


5.47-5.725GHz_802.11ax_HEW160-BF_Nss1,(MCS0)_4TX

PSD

5570MHz

30/03/2023





Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.85-5.895GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	7.85	19.57
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	6.50	18.22
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	3.77	15.49
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-4.92	6.80

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)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5845MHz	Pass	11.72	-1.13	2.88	1.73	1.40	7.37	Inf	19.09	20.00
5865MHz	Pass	11.72	1.47	2.10	0.88	2.15	7.49	Inf	19.21	20.00
5885MHz	Pass	11.72	0.79	2.01	2.53	2.59	7.85	Inf	19.57	20.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5835MHz	Pass	11.72	0.62	0.73	0.93	0.27	6.50	Inf	18.22	20.00
5875MHz	Pass	11.72	0.92	1.03	0.41	0.83	6.49	Inf	18.21	20.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5855MHz	Pass	11.72	-0.95	-1.61	-2.61	-3.44	3.77	Inf	15.49	20.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5815MHz	Pass	11.72	-10.31	-10.49	-9.68	-10.62	-4.92	Inf	6.80	20.00

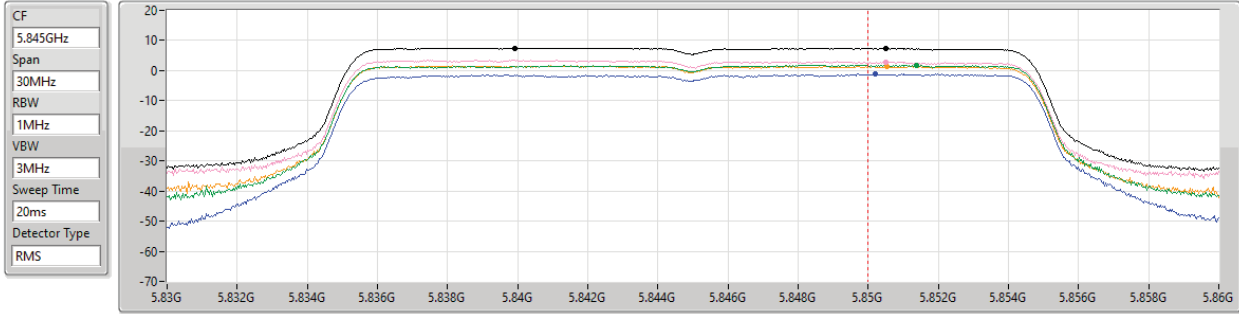
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5845MHz

14/04/2023



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
7.51	4.50	500k	-3.01

5850-5895MHz

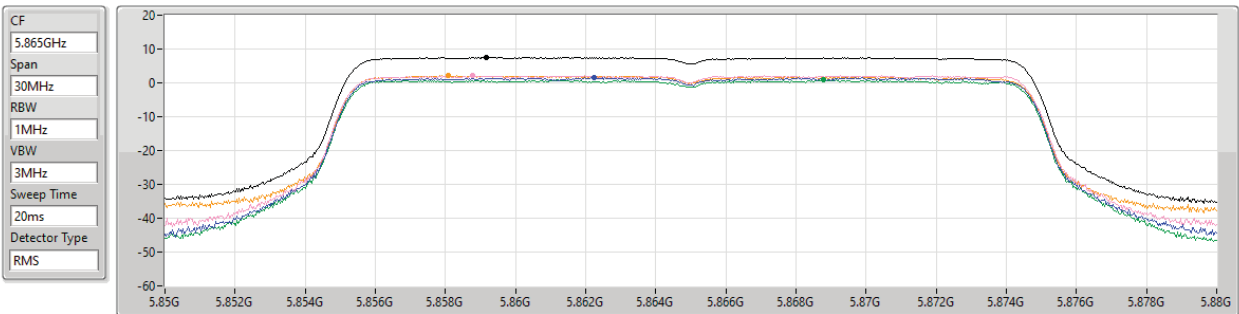
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	-1.13	2.88	1.73	1.40

5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5865MHz

14/04/2023



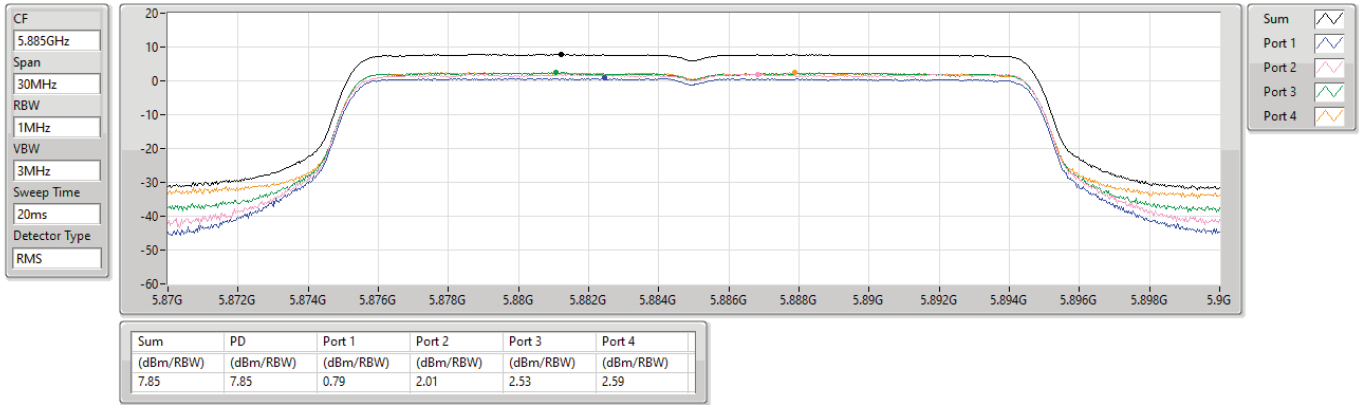
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.49	7.49	1.47	2.10	0.88	2.15

5.85-5.895GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

5885MHz

14/04/2023

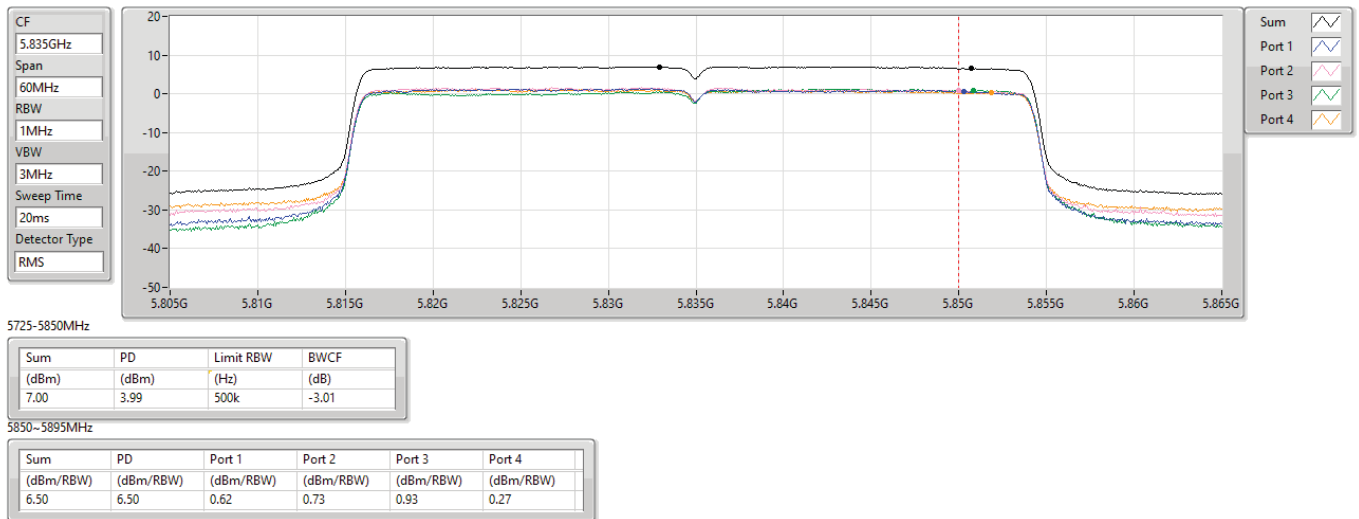


5.85-5.895GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5835MHz

13/04/2023



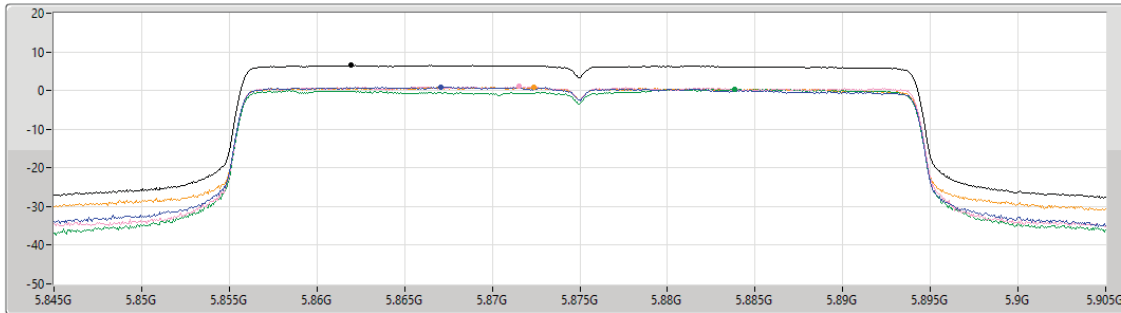
5.85-5.895GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

5875MHz

14/04/2023

CF
5.875GHz
Span
60MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.49	6.49	0.92	1.03	0.41	0.83

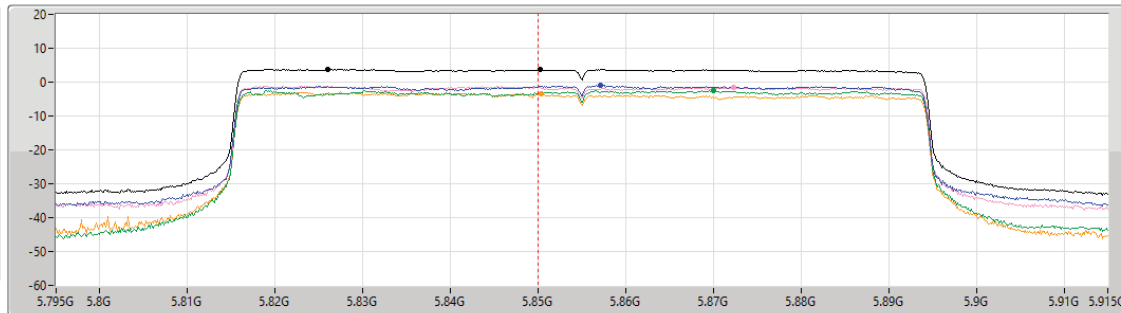
5.85-5.895GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

PSD

5855MHz

14/04/2023

CF
5.855GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS



Sum
Port 1
Port 2
Port 3
Port 4

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
3.74	0.73	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.77	3.77	-0.95	-1.61	-2.61	-3.44

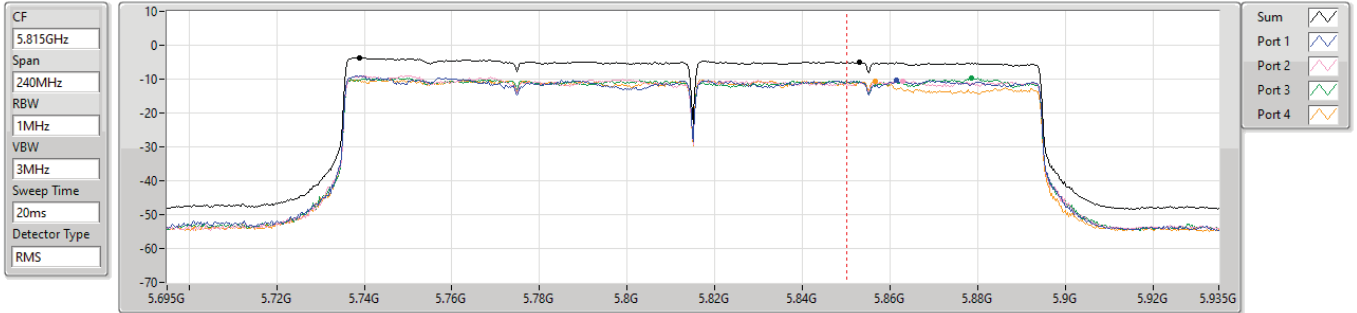


5.85-5.895GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

PSD

5815MHz

14/04/2023



5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
-3.63	-6.64	500k	-3.01

5850-5895MHz

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.92	-4.92	-10.31	-10.49	-9.68	-10.62



Summary

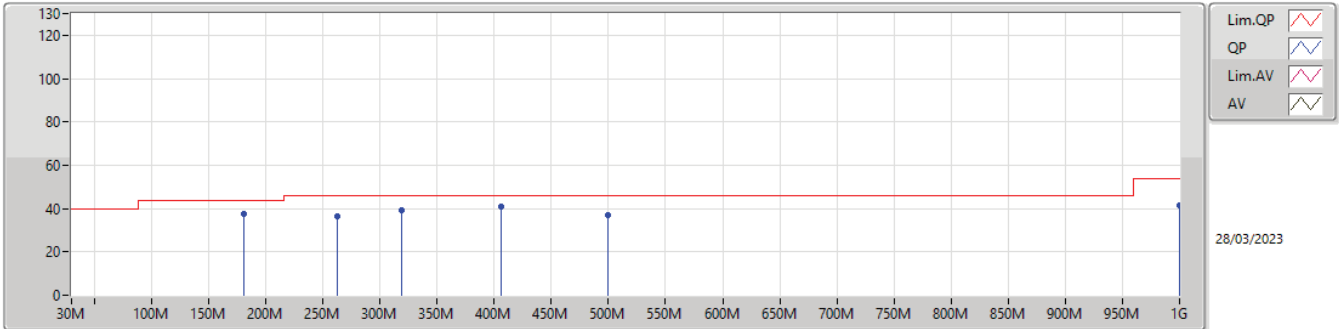
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	PK	408.3M	42.72	46.00	-3.28	3	Horizontal	360	1.00

**Result**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11ax HEW80_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5775MHz	Pass	PK	181.32M	37.49	43.50	-6.01	3	Vertical	0	1.00
5775MHz	Pass	PK	262.8M	36.32	46.00	-9.68	3	Vertical	0	1.00
5775MHz	Pass	PK	319.06M	39.07	46.00	-6.93	3	Vertical	0	1.00
5775MHz	Pass	PK	499.48M	36.90	46.00	-9.10	3	Vertical	0	1.00
5775MHz	Pass	PK	1G	41.61	54.00	-12.39	3	Vertical	0	1.00
5775MHz	Pass	QP	406.36M	41.07	46.00	-4.93	3	Vertical	67	1.16
5775MHz	Pass	PK	264.74M	40.33	46.00	-5.67	3	Horizontal	360	1.00
5775MHz	Pass	PK	309.36M	39.64	46.00	-6.36	3	Horizontal	360	1.00
5775MHz	Pass	PK	408.3M	42.72	46.00	-3.28	3	Horizontal	360	1.00
5775MHz	Pass	PK	577.08M	39.60	46.00	-6.40	3	Horizontal	360	1.00
5775MHz	Pass	PK	1G	45.14	54.00	-8.86	3	Horizontal	360	1.00
5775MHz	Pass	QP	191.02M	36.91	43.50	-6.59	3	Horizontal	142	1.52

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

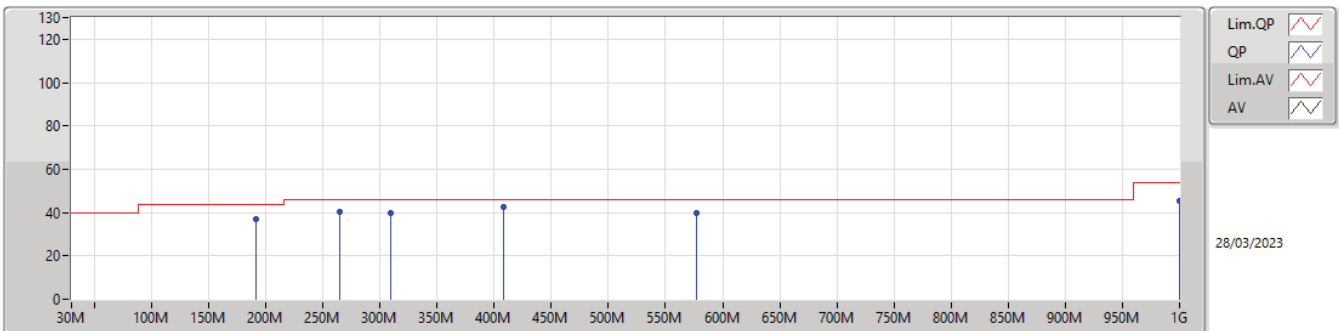
5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	181.32M	37.49	43.50	-6.01	-10.29	3	Vertical	0	1.00	47.78	14.42	2.27	26.98
PK	262.8M	36.32	46.00	-9.68	-5.56	3	Vertical	0	1.00	41.88	18.35	2.75	26.66
PK	319.06M	39.07	46.00	-6.93	-4.98	3	Vertical	0	1.00	44.05	18.68	3.05	26.71
PK	499.48M	36.90	46.00	-9.10	-1.13	3	Vertical	0	1.00	38.03	22.77	3.87	27.77
PK	1G	41.61	54.00	-12.39	5.03	3	Vertical	0	1.00	36.58	26.60	5.59	27.16
QP	406.36M	41.07	46.00	-4.93	-2.51	3	Vertical	67	1.16	43.58	21.29	3.44	27.24

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

5775MHz_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	264.74M	40.33	46.00	-5.67	-5.77	3	Horizontal	360	1.00	46.10	18.13	2.76	26.66
PK	309.36M	39.64	46.00	-6.36	-5.10	3	Horizontal	360	1.00	44.74	18.56	3.00	26.66
PK	408.3M	42.72	46.00	-3.28	-2.42	3	Horizontal	360	1.00	45.14	21.38	3.45	27.25
PK	577.08M	39.60	46.00	-6.40	0.20	3	Horizontal	360	1.00	39.40	23.96	4.21	27.97
PK	1G	45.14	54.00	-8.86	5.03	3	Horizontal	360	1.00	40.11	26.60	5.59	27.16
QP	191.02M	36.91	43.50	-6.59	-10.42	3	Horizontal	142	1.52	47.33	14.17	2.34	26.93

**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5.15-5.25GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	20.96168G	53.86	54.00	-0.14	3	Horizontal	306	1.54
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	10.48072G	67.78	68.20	-0.42	3	Horizontal	324	2.12
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	5.15G	53.21	54.00	-0.79	3	Horizontal	322	1.54
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	AV	5.135G	53.37	54.00	-0.63	3	Horizontal	318	1.70
5.25-5.35GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	AV	21.19688G	53.92	54.00	-0.08	3	Horizontal	309	1.54
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	5.3512G	53.34	54.00	-0.66	3	Horizontal	317	1.55
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	5.352G	53.50	54.00	-0.50	3	Horizontal	321	1.47
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	AV	5.353G	53.57	54.00	-0.43	3	Horizontal	321	1.49
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	AV	5.3532G	53.70	54.00	-0.30	3	Horizontal	319	1.56
5.47-5.725GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	5.4654G	67.25	68.20	-0.95	3	Horizontal	309	1.87
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	17.16184G	68.13	68.20	-0.07	3	Horizontal	303	2.02
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	5.7342G	68.15	68.20	-0.05	3	Horizontal	331	1.52
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	AV	5.453G	53.81	54.00	-0.19	3	Horizontal	328	1.59
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	AV	5.4536G	53.58	54.00	-0.42	3	Horizontal	328	1.67
5.725-5.85GHz	-	-	-	-	-	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	Pass	PK	17.3546G	67.85	68.20	-0.35	3	Horizontal	311	1.71
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	PK	17.35252G	68.16	68.20	-0.04	3	Horizontal	326	1.35
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	23.19296G	67.98	68.20	-0.22	3	Horizontal	306	1.48
802.11ax HEW80_Nss1,(MCS0)_4TX	Pass	PK	5.655G	70.21	71.90	-1.69	3	Horizontal	316	1.40



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
802.11a_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1488G	48.14	54.00	-5.86	3	Vertical	17	1.08
5180MHz	Pass	AV	5.1876G	99.75	Inf	-Inf	3	Vertical	17	1.08
5180MHz	Pass	PK	5.1498G	63.69	74.00	-10.31	3	Vertical	17	1.08
5180MHz	Pass	PK	5.1876G	110.97	Inf	-Inf	3	Vertical	17	1.08
5180MHz	Pass	AV	5.15G	52.96	54.00	-1.04	3	Horizontal	303	1.91
5180MHz	Pass	AV	5.183G	108.45	Inf	-Inf	3	Horizontal	303	1.91
5180MHz	Pass	PK	5.1498G	68.87	74.00	-5.13	3	Horizontal	303	1.91
5180MHz	Pass	PK	5.1828G	121.86	Inf	-Inf	3	Horizontal	303	1.91
5180MHz	Pass	AV	15.5367G	42.18	54.00	-11.82	3	Vertical	305	2.10
5180MHz	Pass	AV	20.72G	39.46	54.00	-14.54	3	Vertical	196	1.54
5180MHz	Pass	PK	10.36144G	62.60	68.20	-5.60	3	Vertical	29	1.40
5180MHz	Pass	PK	15.5496G	55.91	74.00	-18.09	3	Vertical	305	2.10
5180MHz	Pass	PK	20.71988G	47.49	74.00	-26.51	3	Vertical	196	1.54
5180MHz	Pass	PK	25.8856G	42.50	68.20	-25.70	3	Vertical	44	2.32
5180MHz	Pass	AV	15.54G	43.29	54.00	-10.71	3	Horizontal	232	2.42
5180MHz	Pass	AV	20.72G	44.59	54.00	-9.41	3	Horizontal	299	1.60
5180MHz	Pass	PK	10.36282G	64.77	68.20	-3.43	3	Horizontal	307	1.49
5180MHz	Pass	PK	15.5514G	56.49	74.00	-17.51	3	Horizontal	232	2.42
5180MHz	Pass	PK	20.71988G	56.38	74.00	-17.62	3	Horizontal	299	1.60
5180MHz	Pass	PK	25.89484G	46.71	68.20	-21.49	3	Horizontal	303	1.68
5200MHz	Pass	AV	5.148G	46.19	54.00	-7.81	3	Vertical	9	1.59
5200MHz	Pass	AV	5.2032G	101.57	Inf	-Inf	3	Vertical	9	1.59
5200MHz	Pass	PK	5.1476G	63.26	74.00	-10.74	3	Vertical	9	1.59
5200MHz	Pass	PK	5.2024G	112.51	Inf	-Inf	3	Vertical	9	1.59
5200MHz	Pass	AV	5.146G	53.32	54.00	-0.68	3	Horizontal	302	1.82
5200MHz	Pass	AV	5.2032G	113.86	Inf	-Inf	3	Horizontal	302	1.82
5200MHz	Pass	PK	5.1476G	73.25	74.00	-0.75	3	Horizontal	302	1.82
5200MHz	Pass	PK	5.2032G	125.53	Inf	-Inf	3	Horizontal	302	1.82
5200MHz	Pass	AV	15.60144G	43.44	54.00	-10.56	3	Vertical	307	1.72
5200MHz	Pass	AV	20.79748G	42.54	54.00	-11.46	3	Vertical	311	1.50
5200MHz	Pass	PK	10.40056G	64.14	68.20	-4.06	3	Vertical	32	1.18
5200MHz	Pass	PK	15.60054G	57.51	74.00	-16.49	3	Vertical	307	1.72
5200MHz	Pass	PK	20.79796G	54.57	74.00	-19.43	3	Vertical	311	1.50
5200MHz	Pass	PK	26.02544G	45.36	68.20	-22.84	3	Vertical	31	1.50
5200MHz	Pass	AV	15.60786G	45.16	54.00	-8.84	3	Horizontal	317	1.50
5200MHz	Pass	AV	20.79976G	48.19	54.00	-5.81	3	Horizontal	299	1.54
5200MHz	Pass	PK	10.40492G	65.10	68.20	-3.10	3	Horizontal	307	1.70
5200MHz	Pass	PK	15.60762G	59.81	74.00	-14.19	3	Horizontal	317	1.50
5200MHz	Pass	PK	20.79964G	60.74	74.00	-13.26	3	Horizontal	299	1.54
5200MHz	Pass	PK	25.99256G	51.24	68.20	-16.96	3	Horizontal	293	1.65
5240MHz	Pass	AV	5.1434G	45.48	54.00	-8.52	3	Vertical	10	1.65
5240MHz	Pass	AV	5.2436G	105.15	Inf	-Inf	3	Vertical	10	1.65
5240MHz	Pass	AV	5.35G	44.03	54.00	-9.97	3	Vertical	10	1.65
5240MHz	Pass	PK	5.1428G	60.77	74.00	-13.23	3	Vertical	10	1.65
5240MHz	Pass	PK	5.243G	117.02	Inf	-Inf	3	Vertical	10	1.65
5240MHz	Pass	PK	5.3594G	56.14	74.00	-17.86	3	Vertical	10	1.65
5240MHz	Pass	AV	5.15G	51.97	54.00	-2.03	3	Horizontal	309	1.94
5240MHz	Pass	AV	5.243G	116.16	Inf	-Inf	3	Horizontal	309	1.94
5240MHz	Pass	AV	5.35G	48.63	54.00	-5.37	3	Horizontal	309	1.94
5240MHz	Pass	PK	5.15G	69.24	74.00	-4.76	3	Horizontal	309	1.94
5240MHz	Pass	PK	5.243G	127.00	Inf	-Inf	3	Horizontal	309	1.94
5240MHz	Pass	PK	5.3588G	63.01	74.00	-10.99	3	Horizontal	309	1.94
5240MHz	Pass	AV	15.72408G	46.66	54.00	-7.34	3	Vertical	315	2.49
5240MHz	Pass	AV	20.96G	47.89	54.00	-6.11	3	Vertical	311	1.53
5240MHz	Pass	PK	10.4756G	64.99	68.20	-3.21	3	Vertical	26	1.56
5240MHz	Pass	PK	15.72348G	60.95	74.00	-13.05	3	Vertical	315	2.49
5240MHz	Pass	PK	20.95964G	60.56	74.00	-13.44	3	Vertical	311	1.53
5240MHz	Pass	PK	26.20036G	52.69	68.20	-15.51	3	Vertical	279	1.53
5240MHz	Pass	AV	15.71436G	49.25	54.00	-4.75	3	Horizontal	316	1.50
5240MHz	Pass	AV	20.96168G	53.86	54.00	-0.14	3	Horizontal	306	1.54



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5240MHz	Pass	PK	10.48076G	66.71	68.20	-1.49	3	Horizontal	325	2.17
5240MHz	Pass	PK	15.71496G	65.33	74.00	-8.67	3	Horizontal	316	1.50
5240MHz	Pass	PK	20.96036G	65.32	74.00	-8.68	3	Horizontal	306	1.54
5240MHz	Pass	PK	26.20468G	56.91	68.20	-11.29	3	Horizontal	258	1.50
5260MHz	Pass	AV	5.1232G	47.17	54.00	-6.83	3	Vertical	329	2.96
5260MHz	Pass	AV	5.2588G	109.85	Inf	-Inf	3	Vertical	329	2.96
5260MHz	Pass	AV	5.3506G	47.49	54.00	-6.51	3	Vertical	329	2.96
5260MHz	Pass	PK	5.1232G	59.36	74.00	-14.64	3	Vertical	329	2.96
5260MHz	Pass	PK	5.2582G	118.68	Inf	-Inf	3	Vertical	329	2.96
5260MHz	Pass	PK	5.3638G	59.51	74.00	-14.49	3	Vertical	329	2.96
5260MHz	Pass	AV	5.149G	47.65	54.00	-6.35	3	Horizontal	305	1.74
5260MHz	Pass	AV	5.263G	118.49	Inf	-Inf	3	Horizontal	305	1.74
5260MHz	Pass	AV	5.3596G	48.40	54.00	-5.60	3	Horizontal	305	1.74
5260MHz	Pass	PK	5.1388G	60.02	74.00	-13.98	3	Horizontal	305	1.74
5260MHz	Pass	PK	5.263G	127.77	Inf	-Inf	3	Horizontal	305	1.74
5260MHz	Pass	PK	5.4058G	61.81	74.00	-12.19	3	Horizontal	305	1.74
5260MHz	Pass	AV	15.78336G	48.49	54.00	-5.51	3	Vertical	333	3.00
5260MHz	Pass	AV	21.0394G	48.15	54.00	-5.85	3	Vertical	314	1.57
5260MHz	Pass	PK	10.5143G	60.71	68.20	-7.49	3	Vertical	0	1.50
5260MHz	Pass	PK	15.78348G	61.76	74.00	-12.24	3	Vertical	333	3.00
5260MHz	Pass	PK	21.03952G	60.77	74.00	-13.23	3	Vertical	314	1.57
5260MHz	Pass	PK	26.30024G	51.82	68.20	-16.38	3	Vertical	279	1.53
5260MHz	Pass	AV	15.77526G	50.23	54.00	-3.77	3	Horizontal	316	1.50
5260MHz	Pass	AV	21.04G	52.90	54.00	-1.10	3	Horizontal	308	1.60
5260MHz	Pass	PK	10.52066G	63.13	68.20	-5.07	3	Horizontal	324	2.33
5260MHz	Pass	PK	15.7749G	65.18	74.00	-8.82	3	Horizontal	316	1.50
5260MHz	Pass	PK	21.04024G	64.81	74.00	-9.19	3	Horizontal	308	1.60
5260MHz	Pass	PK	26.30864G	55.74	68.20	-12.46	3	Horizontal	257	1.50
5300MHz	Pass	AV	5.3028G	102.83	Inf	-Inf	3	Vertical	12	1.71
5300MHz	Pass	AV	5.35G	45.37	54.00	-8.63	3	Vertical	12	1.71
5300MHz	Pass	PK	5.304G	114.27	Inf	-Inf	3	Vertical	12	1.71
5300MHz	Pass	PK	5.35G	59.30	74.00	-14.70	3	Vertical	12	1.71
5300MHz	Pass	AV	5.3028G	114.66	Inf	-Inf	3	Horizontal	308	1.92
5300MHz	Pass	AV	5.35G	52.53	54.00	-1.47	3	Horizontal	308	1.92
5300MHz	Pass	PK	5.3028G	126.17	Inf	-Inf	3	Horizontal	308	1.92
5300MHz	Pass	PK	5.3628G	67.84	74.00	-6.16	3	Horizontal	308	1.92
5300MHz	Pass	AV	15.90294G	45.01	54.00	-8.99	3	Vertical	333	2.95
5300MHz	Pass	AV	21.19688G	48.46	54.00	-5.54	3	Vertical	314	1.54
5300MHz	Pass	PK	10.59694G	63.76	68.20	-4.44	3	Vertical	8	1.66
5300MHz	Pass	PK	15.9033G	58.50	74.00	-15.50	3	Vertical	333	2.95
5300MHz	Pass	PK	21.19568G	60.88	74.00	-13.12	3	Vertical	314	1.54
5300MHz	Pass	PK	26.48704G	49.84	68.20	-18.36	3	Vertical	282	1.50
5300MHz	Pass	AV	15.90024G	48.12	54.00	-5.88	3	Horizontal	305	2.77
5300MHz	Pass	AV	21.19688G	53.92	54.00	-0.08	3	Horizontal	309	1.54
5300MHz	Pass	PK	10.59108G	63.73	68.20	-4.47	3	Horizontal	320	1.41
5300MHz	Pass	PK	15.89958G	62.12	74.00	-11.88	3	Horizontal	305	2.77
5300MHz	Pass	PK	21.19676G	65.62	74.00	-8.38	3	Horizontal	309	1.54
5300MHz	Pass	PK	26.51284G	56.44	68.20	-11.76	3	Horizontal	300	1.60
5320MHz	Pass	AV	5.3168G	100.92	Inf	-Inf	3	Vertical	17	2.77
5320MHz	Pass	AV	5.3502G	46.36	54.00	-7.64	3	Vertical	17	2.77
5320MHz	Pass	PK	5.3168G	112.12	Inf	-Inf	3	Vertical	17	2.77
5320MHz	Pass	PK	5.35G	61.58	74.00	-12.42	3	Vertical	17	2.77
5320MHz	Pass	AV	5.3236G	111.59	Inf	-Inf	3	Horizontal	306	2.00
5320MHz	Pass	AV	5.3502G	52.29	54.00	-1.71	3	Horizontal	306	2.00
5320MHz	Pass	PK	5.3226G	123.09	Inf	-Inf	3	Horizontal	306	2.00
5320MHz	Pass	PK	5.3502G	68.40	74.00	-5.60	3	Horizontal	306	2.00
5320MHz	Pass	AV	10.63766G	48.16	54.00	-5.84	3	Vertical	9	1.71
5320MHz	Pass	AV	15.96234G	42.49	54.00	-11.51	3	Vertical	231	3.00
5320MHz	Pass	AV	21.27664G	42.99	54.00	-11.01	3	Vertical	313	1.53
5320MHz	Pass	PK	10.63754G	61.86	74.00	-12.14	3	Vertical	9	1.71
5320MHz	Pass	PK	15.95688G	56.26	74.00	-17.74	3	Vertical	231	3.00
5320MHz	Pass	PK	21.27688G	55.99	74.00	-18.01	3	Vertical	313	1.53



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5320MHz	Pass	PK	26.60636G	51.22	68.20	-16.98	3	Vertical	279	1.50
5320MHz	Pass	AV	10.64264G	49.66	54.00	-4.34	3	Horizontal	322	1.37
5320MHz	Pass	AV	15.9597G	44.35	54.00	-9.65	3	Horizontal	310	2.74
5320MHz	Pass	AV	21.27592G	47.87	54.00	-6.13	3	Horizontal	308	1.54
5320MHz	Pass	PK	10.64288G	63.38	74.00	-10.62	3	Horizontal	322	1.37
5320MHz	Pass	PK	15.95814G	58.68	74.00	-15.32	3	Horizontal	310	2.74
5320MHz	Pass	PK	21.27688G	60.64	74.00	-13.36	3	Horizontal	308	1.54
5320MHz	Pass	PK	26.61104G	56.79	68.20	-11.41	3	Horizontal	295	1.59
5500MHz	Pass	AV	5.4576G	43.92	54.00	-10.08	3	Vertical	314	1.57
5500MHz	Pass	AV	5.4966G	100.99	Inf	-Inf	3	Vertical	314	1.57
5500MHz	Pass	PK	5.4542G	56.68	74.00	-17.32	3	Vertical	314	1.57
5500MHz	Pass	PK	5.4698G	58.86	68.20	-9.34	3	Vertical	314	1.57
5500MHz	Pass	PK	5.4966G	112.67	Inf	-Inf	3	Vertical	314	1.57
5500MHz	Pass	AV	5.46G	46.06	54.00	-7.94	3	Horizontal	309	1.87
5500MHz	Pass	AV	5.5044G	110.45	Inf	-Inf	3	Horizontal	309	1.87
5500MHz	Pass	PK	5.4588G	59.86	74.00	-14.14	3	Horizontal	309	1.87
5500MHz	Pass	PK	5.4654G	67.25	68.20	-0.95	3	Horizontal	309	1.87
5500MHz	Pass	PK	5.503G	121.72	Inf	-Inf	3	Horizontal	309	1.87
5500MHz	Pass	AV	11.00606G	45.04	54.00	-8.96	3	Vertical	19	1.00
5500MHz	Pass	PK	11.00534G	59.57	74.00	-14.43	3	Vertical	19	1.00
5500MHz	Pass	PK	16.49886G	56.85	68.20	-11.35	3	Vertical	109	1.50
5500MHz	Pass	PK	22G	51.68	68.20	-16.52	3	Vertical	175	1.50
5500MHz	Pass	PK	27.50636G	51.73	68.20	-16.47	3	Vertical	283	1.50
5500MHz	Pass	AV	11.00414G	44.74	54.00	-9.26	3	Horizontal	68	1.66
5500MHz	Pass	PK	11.00474G	59.52	74.00	-14.48	3	Horizontal	68	1.66
5500MHz	Pass	PK	16.49748G	57.72	68.20	-10.48	3	Horizontal	67	1.49
5500MHz	Pass	PK	21.99988G	54.33	68.20	-13.87	3	Horizontal	75	1.50
5500MHz	Pass	PK	27.49436G	57.57	68.20	-10.63	3	Horizontal	318	1.61
5580MHz	Pass	AV	5.4432G	43.71	54.00	-10.29	3	Vertical	319	1.40
5580MHz	Pass	AV	5.583G	104.58	Inf	-Inf	3	Vertical	319	1.40
5580MHz	Pass	PK	5.4552G	56.46	74.00	-17.54	3	Vertical	319	1.40
5580MHz	Pass	PK	5.4654G	56.35	68.20	-11.85	3	Vertical	319	1.40
5580MHz	Pass	PK	5.583G	115.97	Inf	-Inf	3	Vertical	319	1.40
5580MHz	Pass	PK	5.7282G	56.99	68.20	-11.21	3	Vertical	319	1.40
5580MHz	Pass	AV	5.4444G	45.09	54.00	-8.91	3	Horizontal	311	1.74
5580MHz	Pass	AV	5.583G	113.43	Inf	-Inf	3	Horizontal	311	1.74
5580MHz	Pass	PK	5.4378G	58.89	74.00	-15.11	3	Horizontal	311	1.74
5580MHz	Pass	PK	5.4684G	59.46	68.20	-8.74	3	Horizontal	311	1.74
5580MHz	Pass	PK	5.583G	125.33	Inf	-Inf	3	Horizontal	311	1.74
5580MHz	Pass	PK	5.7294G	59.92	68.20	-8.28	3	Horizontal	311	1.74
5580MHz	Pass	AV	11.16204G	48.93	54.00	-5.07	3	Vertical	339	1.00
5580MHz	Pass	AV	22.32G	46.55	54.00	-7.45	3	Vertical	202	1.69
5580MHz	Pass	PK	11.16114G	63.37	74.00	-10.63	3	Vertical	339	1.00
5580MHz	Pass	PK	16.73712G	61.12	68.20	-7.08	3	Vertical	289	1.44
5580MHz	Pass	PK	22.31988G	51.68	74.00	-22.32	3	Vertical	202	1.69
5580MHz	Pass	PK	27.88212G	51.23	68.20	-16.97	3	Vertical	304	1.59
5580MHz	Pass	AV	11.16276G	47.18	54.00	-6.82	3	Horizontal	76	1.63
5580MHz	Pass	AV	22.32804G	52.77	54.00	-1.23	3	Horizontal	308	1.61
5580MHz	Pass	PK	11.16288G	61.68	74.00	-12.32	3	Horizontal	76	1.63
5580MHz	Pass	PK	16.73802G	63.31	68.20	-4.89	3	Horizontal	301	1.82
5580MHz	Pass	PK	22.3278G	66.71	74.00	-7.29	3	Horizontal	308	1.61
5580MHz	Pass	PK	27.89868G	56.25	68.20	-11.95	3	Horizontal	300	1.54
5700MHz	Pass	AV	5.7036G	100.47	Inf	-Inf	3	Vertical	319	1.84
5700MHz	Pass	PK	5.7036G	111.56	Inf	-Inf	3	Vertical	319	1.84
5700MHz	Pass	PK	5.7252G	62.23	68.20	-5.97	3	Vertical	319	1.84
5700MHz	Pass	AV	5.7052G	105.75	Inf	-Inf	3	Horizontal	316	1.92
5700MHz	Pass	PK	5.706G	116.85	Inf	-Inf	3	Horizontal	316	1.92
5700MHz	Pass	PK	5.7252G	65.88	68.20	-2.32	3	Horizontal	316	1.92
5700MHz	Pass	AV	11.3982G	42.73	54.00	-11.27	3	Vertical	341	1.68
5700MHz	Pass	AV	22.79994G	45.85	54.00	-8.15	3	Vertical	191	1.53
5700MHz	Pass	PK	11.39832G	56.81	74.00	-17.19	3	Vertical	341	1.68
5700MHz	Pass	PK	17.10036G	57.82	68.20	-10.38	3	Vertical	268	1.31



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5700MHz	Pass	PK	22.79988G	51.02	74.00	-22.98	3	Vertical	191	1.53
5700MHz	Pass	PK	28.50714G	46.88	68.20	-21.32	3	Vertical	16	1.50
5700MHz	Pass	AV	11.40216G	43.10	54.00	-10.90	3	Horizontal	289	1.63
5700MHz	Pass	AV	22.79994G	47.67	54.00	-6.33	3	Horizontal	241	1.53
5700MHz	Pass	PK	11.40114G	57.63	74.00	-16.37	3	Horizontal	289	1.63
5700MHz	Pass	PK	17.0985G	58.74	68.20	-9.46	3	Horizontal	283	1.38
5700MHz	Pass	PK	22.79994G	52.75	74.00	-21.25	3	Horizontal	241	1.53
5700MHz	Pass	PK	28.5132G	47.18	68.20	-21.02	3	Horizontal	294	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4248G	43.61	54.00	-10.39	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7236G	103.06	Inf	-Inf	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.444G	56.54	74.00	-17.46	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4668G	55.74	68.20	-12.46	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7224G	114.22	Inf	-Inf	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9144G	58.18	68.20	-10.02	3	Vertical	321	1.81
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4236G	43.88	54.00	-10.12	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	107.08	Inf	-Inf	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4512G	55.93	74.00	-18.07	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.468G	55.52	68.20	-12.68	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	118.27	Inf	-Inf	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.912G	58.11	68.20	-10.09	3	Horizontal	280	2.20
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44192G	45.36	54.00	-8.64	3	Vertical	346	1.22
5720MHz Straddle 5.47-5.725GHz	Pass	AV	22.88G	45.93	54.00	-8.07	3	Vertical	200	1.70
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44184G	59.20	74.00	-14.80	3	Vertical	346	1.22
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1616G	62.90	68.20	-5.30	3	Vertical	284	1.67
5720MHz Straddle 5.47-5.725GHz	Pass	PK	22.88G	51.68	74.00	-22.32	3	Vertical	200	1.70
5720MHz Straddle 5.47-5.725GHz	Pass	PK	28.60528G	46.04	68.20	-22.16	3	Vertical	47	1.55
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44198G	46.24	54.00	-7.76	3	Horizontal	293	1.64
5720MHz Straddle 5.47-5.725GHz	Pass	AV	22.88G	48.08	54.00	-5.92	3	Horizontal	243	1.63
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44294G	60.47	74.00	-13.53	3	Horizontal	293	1.64
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.15952G	66.89	68.20	-1.31	3	Horizontal	299	1.49
5720MHz Straddle 5.47-5.725GHz	Pass	PK	22.89116G	56.21	74.00	-17.79	3	Horizontal	243	1.63
5720MHz Straddle 5.47-5.725GHz	Pass	PK	28.59412G	52.73	68.20	-15.47	3	Horizontal	310	1.50
5745MHz	Pass	AV	5.445G	43.53	54.00	-10.47	3	Vertical	322	1.78
5745MHz	Pass	AV	5.7474G	101.96	Inf	-Inf	3	Vertical	322	1.78
5745MHz	Pass	PK	5.5062G	57.68	68.20	-10.52	3	Vertical	322	1.78
5745MHz	Pass	PK	5.7474G	113.37	Inf	-Inf	3	Vertical	322	1.78
5745MHz	Pass	PK	5.9862G	58.76	68.20	-9.44	3	Vertical	322	1.78
5745MHz	Pass	AV	5.445G	43.98	54.00	-10.02	3	Horizontal	314	1.80
5745MHz	Pass	AV	5.7498G	106.43	Inf	-Inf	3	Horizontal	314	1.80
5745MHz	Pass	PK	5.4942G	57.60	68.20	-10.60	3	Horizontal	314	1.80
5745MHz	Pass	PK	5.7486G	117.34	Inf	-Inf	3	Horizontal	314	1.80
5745MHz	Pass	PK	5.9814G	58.81	68.20	-9.39	3	Horizontal	314	1.80
5745MHz	Pass	AV	11.4836G	45.39	54.00	-8.61	3	Vertical	14	1.00
5745MHz	Pass	AV	22.97988G	42.49	54.00	-11.51	3	Vertical	188	1.51
5745MHz	Pass	PK	11.48456G	59.85	74.00	-14.15	3	Vertical	14	1.00
5745MHz	Pass	PK	17.23348G	62.72	68.20	-5.48	3	Vertical	273	1.40
5745MHz	Pass	PK	22.98G	49.22	74.00	-24.78	3	Vertical	188	1.51
5745MHz	Pass	PK	28.71984G	46.69	68.20	-21.51	3	Vertical	163	1.50
5745MHz	Pass	AV	11.49216G	45.85	54.00	-8.15	3	Horizontal	293	1.63
5745MHz	Pass	AV	22.98G	38.74	54.00	-15.26	3	Horizontal	197	1.49
5745MHz	Pass	PK	11.4928G	60.33	74.00	-13.67	3	Horizontal	293	1.63
5745MHz	Pass	PK	17.2358G	66.83	68.20	-1.37	3	Horizontal	308	1.96
5745MHz	Pass	PK	22.971G	48.30	74.00	-25.70	3	Horizontal	197	1.49
5745MHz	Pass	PK	28.69824G	45.35	68.20	-22.85	3	Horizontal	177	1.50
5785MHz	Pass	AV	5.7886G	100.80	Inf	-Inf	3	Vertical	320	1.74
5785MHz	Pass	PK	5.605G	56.94	68.20	-11.26	3	Vertical	320	1.74
5785MHz	Pass	PK	5.7874G	112.34	Inf	-Inf	3	Vertical	320	1.74
5785MHz	Pass	PK	5.9554G	59.53	68.20	-8.67	3	Vertical	320	1.74
5785MHz	Pass	AV	5.7874G	106.43	Inf	-Inf	3	Horizontal	319	1.49
5785MHz	Pass	PK	5.5786G	57.35	68.20	-10.85	3	Horizontal	319	1.49
5785MHz	Pass	PK	5.7874G	117.48	Inf	-Inf	3	Horizontal	319	1.49
5785MHz	Pass	PK	6.0142G	58.28	68.20	-9.92	3	Horizontal	319	1.49



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5785MHz	Pass	AV	11.56352G	44.08	54.00	-9.92	3	Vertical	16	1.00
5785MHz	Pass	PK	11.56448G	58.41	74.00	-15.59	3	Vertical	16	1.00
5785MHz	Pass	PK	17.3546G	61.28	68.20	-6.92	3	Vertical	260	1.88
5785MHz	Pass	PK	23.13148G	55.25	68.20	-12.95	3	Vertical	223	1.52
5785MHz	Pass	PK	28.91636G	46.48	68.20	-21.72	3	Vertical	163	1.50
5785MHz	Pass	AV	11.57184G	43.46	54.00	-10.54	3	Horizontal	303	1.50
5785MHz	Pass	PK	11.57056G	59.38	74.00	-14.62	3	Horizontal	303	1.50
5785MHz	Pass	PK	17.3546G	67.85	68.20	-0.35	3	Horizontal	311	1.71
5785MHz	Pass	PK	23.14468G	55.30	68.20	-12.90	3	Horizontal	211	1.53
5785MHz	Pass	PK	28.931G	46.72	68.20	-21.48	3	Horizontal	154	1.50
5825MHz	Pass	AV	5.8286G	100.23	Inf	-Inf	3	Vertical	322	1.70
5825MHz	Pass	PK	5.645G	56.79	68.20	-11.41	3	Vertical	322	1.70
5825MHz	Pass	PK	5.8274G	111.08	Inf	-Inf	3	Vertical	322	1.70
5825MHz	Pass	PK	6.0362G	57.98	68.20	-10.22	3	Vertical	322	1.70
5825MHz	Pass	AV	5.8262G	106.27	Inf	-Inf	3	Horizontal	322	1.34
5825MHz	Pass	PK	5.555G	57.12	68.20	-11.08	3	Horizontal	322	1.34
5825MHz	Pass	PK	5.8274G	117.03	Inf	-Inf	3	Horizontal	322	1.34
5825MHz	Pass	PK	5.9342G	58.17	68.20	-10.03	3	Horizontal	322	1.34
5825MHz	Pass	AV	11.65216G	45.84	54.00	-8.16	3	Vertical	327	1.72
5825MHz	Pass	PK	11.65288G	60.32	74.00	-13.68	3	Vertical	327	1.72
5825MHz	Pass	PK	17.47636G	61.69	68.20	-6.51	3	Vertical	259	1.86
5825MHz	Pass	PK	23.29976G	57.95	68.20	-10.25	3	Vertical	223	1.51
5825MHz	Pass	PK	29.12176G	47.42	68.20	-20.78	3	Vertical	177	1.50
5825MHz	Pass	AV	11.65216G	44.62	54.00	-9.38	3	Horizontal	51	1.68
5825MHz	Pass	PK	11.65048G	59.38	74.00	-14.62	3	Horizontal	51	1.68
5825MHz	Pass	PK	17.47684G	67.42	68.20	-0.78	3	Horizontal	312	1.87
5825MHz	Pass	PK	23.30408G	56.67	68.20	-11.53	3	Horizontal	211	1.56
5825MHz	Pass	PK	29.12056G	47.55	68.20	-20.65	3	Horizontal	321	1.50
802.11ax HEW20_Nss1(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5180MHz	Pass	AV	5.1474G	48.05	54.00	-5.95	3	Vertical	327	3.00
5180MHz	Pass	AV	5.1786G	104.42	Inf	-Inf	3	Vertical	327	3.00
5180MHz	Pass	PK	5.147G	65.68	74.00	-8.32	3	Vertical	327	3.00
5180MHz	Pass	PK	5.179G	117.14	Inf	-Inf	3	Vertical	327	3.00
5180MHz	Pass	AV	5.1458G	53.22	54.00	-0.78	3	Horizontal	324	1.68
5180MHz	Pass	AV	5.1846G	110.74	Inf	-Inf	3	Horizontal	324	1.68
5180MHz	Pass	PK	5.1464G	69.25	74.00	-4.75	3	Horizontal	324	1.68
5180MHz	Pass	PK	5.1842G	123.80	Inf	-Inf	3	Horizontal	324	1.68
5180MHz	Pass	AV	15.53584G	42.53	54.00	-11.47	3	Vertical	92	1.50
5180MHz	Pass	AV	20.72G	42.73	54.00	-11.27	3	Vertical	196	1.50
5180MHz	Pass	PK	10.36288G	63.64	68.20	-4.56	3	Vertical	11	1.37
5180MHz	Pass	PK	15.53632G	56.80	74.00	-17.20	3	Vertical	92	1.50
5180MHz	Pass	PK	20.72012G	49.36	74.00	-24.64	3	Vertical	196	1.50
5180MHz	Pass	PK	25.93G	43.30	68.20	-24.90	3	Vertical	360	1.50
5180MHz	Pass	AV	15.54G	43.47	54.00	-10.53	3	Horizontal	239	1.48
5180MHz	Pass	AV	20.71988G	39.04	54.00	-14.96	3	Horizontal	189	1.38
5180MHz	Pass	PK	10.36304G	64.55	68.20	-3.65	3	Horizontal	326	2.10
5180MHz	Pass	PK	15.5256G	56.11	74.00	-17.89	3	Horizontal	239	1.48
5180MHz	Pass	PK	20.71988G	47.41	74.00	-26.59	3	Horizontal	189	1.38
5180MHz	Pass	PK	25.92916G	43.03	68.20	-25.17	3	Horizontal	80	1.50
5200MHz	Pass	AV	5.1496G	49.18	54.00	-4.82	3	Vertical	324	3.00
5200MHz	Pass	AV	5.1988G	106.99	Inf	-Inf	3	Vertical	324	3.00
5200MHz	Pass	PK	5.148G	62.50	74.00	-11.50	3	Vertical	324	3.00
5200MHz	Pass	PK	5.1988G	118.87	Inf	-Inf	3	Vertical	324	3.00
5200MHz	Pass	AV	5.146G	52.43	54.00	-1.57	3	Horizontal	325	1.68
5200MHz	Pass	AV	5.2044G	114.14	Inf	-Inf	3	Horizontal	325	1.68
5200MHz	Pass	PK	5.1476G	69.28	74.00	-4.72	3	Horizontal	325	1.68
5200MHz	Pass	PK	5.2056G	126.86	Inf	-Inf	3	Horizontal	325	1.68
5200MHz	Pass	AV	15.60016G	43.09	54.00	-10.91	3	Vertical	305	2.69
5200MHz	Pass	AV	20.80468G	43.07	54.00	-10.93	3	Vertical	153	1.55
5200MHz	Pass	PK	10.40336G	65.55	68.20	-2.65	3	Vertical	11	1.31
5200MHz	Pass	PK	15.58208G	57.20	74.00	-16.80	3	Vertical	305	2.69
5200MHz	Pass	PK	20.80408G	55.92	74.00	-18.08	3	Vertical	153	1.55



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5200MHz	Pass	PK	25.98164G	46.24	68.20	-21.96	3	Vertical	194	1.48
5200MHz	Pass	AV	15.59576G	44.51	54.00	-9.49	3	Horizontal	314	1.50
5200MHz	Pass	AV	20.80384G	42.31	54.00	-11.69	3	Horizontal	207	1.60
5200MHz	Pass	PK	10.40176G	66.75	68.20	-1.45	3	Horizontal	323	2.07
5200MHz	Pass	PK	15.59616G	58.56	74.00	-15.44	3	Horizontal	314	1.50
5200MHz	Pass	PK	20.80516G	55.36	74.00	-18.64	3	Horizontal	207	1.60
5200MHz	Pass	PK	26.021G	46.11	68.20	-22.09	3	Horizontal	216	1.53
5240MHz	Pass	AV	5.15G	47.23	54.00	-6.77	3	Vertical	329	2.95
5240MHz	Pass	AV	5.2388G	109.15	Inf	-Inf	3	Vertical	329	2.95
5240MHz	Pass	AV	5.3612G	44.44	54.00	-9.56	3	Vertical	329	2.95
5240MHz	Pass	PK	5.1458G	63.17	74.00	-10.83	3	Vertical	329	2.95
5240MHz	Pass	PK	5.2394G	120.12	Inf	-Inf	3	Vertical	329	2.95
5240MHz	Pass	PK	5.3738G	57.39	74.00	-16.61	3	Vertical	329	2.95
5240MHz	Pass	AV	5.1494G	51.12	54.00	-2.88	3	Horizontal	318	1.50
5240MHz	Pass	AV	5.243G	116.89	Inf	-Inf	3	Horizontal	318	1.50
5240MHz	Pass	AV	5.35G	47.19	54.00	-6.81	3	Horizontal	318	1.50
5240MHz	Pass	PK	5.147G	66.13	74.00	-7.87	3	Horizontal	318	1.50
5240MHz	Pass	PK	5.2424G	127.07	Inf	-Inf	3	Horizontal	318	1.50
5240MHz	Pass	PK	5.3504G	61.24	74.00	-12.76	3	Horizontal	318	1.50
5240MHz	Pass	AV	15.72368G	44.21	54.00	-9.79	3	Vertical	306	1.69
5240MHz	Pass	AV	20.95976G	44.91	54.00	-9.09	3	Vertical	317	1.52
5240MHz	Pass	PK	10.4896G	65.51	68.20	-2.69	3	Vertical	8	1.09
5240MHz	Pass	PK	15.72408G	58.53	74.00	-15.47	3	Vertical	306	1.69
5240MHz	Pass	PK	20.95928G	57.99	74.00	-16.01	3	Vertical	317	1.52
5240MHz	Pass	PK	26.20108G	47.52	68.20	-20.68	3	Vertical	281	1.55
5240MHz	Pass	AV	15.71616G	46.76	54.00	-7.24	3	Horizontal	317	1.48
5240MHz	Pass	AV	20.95796G	50.00	54.00	-4.00	3	Horizontal	309	1.48
5240MHz	Pass	PK	10.48072G	67.78	68.20	-0.42	3	Horizontal	324	2.12
5240MHz	Pass	PK	15.71464G	59.95	74.00	-14.05	3	Horizontal	317	1.48
5240MHz	Pass	PK	20.95856G	61.61	74.00	-12.39	3	Horizontal	309	1.48
5240MHz	Pass	PK	26.20828G	53.52	68.20	-14.68	3	Horizontal	262	1.72
5260MHz	Pass	AV	5.1364G	44.09	54.00	-9.91	3	Vertical	332	2.78
5260MHz	Pass	AV	5.2582G	108.11	Inf	-Inf	3	Vertical	332	2.78
5260MHz	Pass	AV	5.3512G	45.16	54.00	-8.84	3	Vertical	332	2.78
5260MHz	Pass	PK	5.1136G	56.55	74.00	-17.45	3	Vertical	332	2.78
5260MHz	Pass	PK	5.2588G	120.30	Inf	-Inf	3	Vertical	332	2.78
5260MHz	Pass	PK	5.3506G	57.33	74.00	-16.67	3	Vertical	332	2.78
5260MHz	Pass	AV	5.1466G	44.99	54.00	-9.01	3	Horizontal	316	1.50
5260MHz	Pass	AV	5.263G	116.36	Inf	-Inf	3	Horizontal	316	1.50
5260MHz	Pass	AV	5.3608G	47.60	54.00	-6.40	3	Horizontal	316	1.50
5260MHz	Pass	PK	5.1472G	57.95	74.00	-16.05	3	Horizontal	316	1.50
5260MHz	Pass	PK	5.263G	127.08	Inf	-Inf	3	Horizontal	316	1.50
5260MHz	Pass	PK	5.3608G	60.74	74.00	-13.26	3	Horizontal	316	1.50
5260MHz	Pass	AV	15.78312G	44.47	54.00	-9.53	3	Vertical	308	1.57
5260MHz	Pass	AV	21.03952G	46.06	54.00	-7.94	3	Vertical	317	1.50
5260MHz	Pass	PK	10.52024G	65.68	68.20	-2.52	3	Vertical	14	1.10
5260MHz	Pass	PK	15.78296G	58.62	74.00	-15.38	3	Vertical	308	1.57
5260MHz	Pass	PK	21.03772G	57.64	74.00	-16.36	3	Vertical	317	1.50
5260MHz	Pass	PK	26.29988G	48.02	68.20	-20.18	3	Vertical	283	1.52
5260MHz	Pass	AV	15.77672G	46.81	54.00	-7.19	3	Horizontal	319	1.50
5260MHz	Pass	AV	21.03772G	51.97	54.00	-2.03	3	Horizontal	307	1.50
5260MHz	Pass	PK	10.522G	67.00	68.20	-1.20	3	Horizontal	322	2.12
5260MHz	Pass	PK	15.77584G	60.59	74.00	-13.41	3	Horizontal	319	1.50
5260MHz	Pass	PK	21.03796G	64.14	74.00	-9.86	3	Horizontal	307	1.50
5260MHz	Pass	PK	26.30972G	53.58	68.20	-14.62	3	Horizontal	298	1.65
5300MHz	Pass	AV	5.3052G	106.10	Inf	-Inf	3	Vertical	319	3.00
5300MHz	Pass	AV	5.35G	47.18	54.00	-6.82	3	Vertical	319	3.00
5300MHz	Pass	PK	5.2984G	119.25	Inf	-Inf	3	Vertical	319	3.00
5300MHz	Pass	PK	5.3508G	61.12	74.00	-12.88	3	Vertical	319	3.00
5300MHz	Pass	AV	5.3032G	115.22	Inf	-Inf	3	Horizontal	317	1.55
5300MHz	Pass	AV	5.3512G	53.34	54.00	-0.66	3	Horizontal	317	1.55
5300MHz	Pass	PK	5.3032G	126.90	Inf	-Inf	3	Horizontal	317	1.55



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5300MHz	Pass	PK	5.3516G	68.72	74.00	-5.28	3	Horizontal	317	1.55
5300MHz	Pass	AV	15.89968G	44.08	54.00	-9.92	3	Vertical	311	2.52
5300MHz	Pass	AV	21.19748G	45.21	54.00	-8.79	3	Vertical	319	1.62
5300MHz	Pass	PK	10.5996G	65.53	68.20	-2.67	3	Vertical	14	1.00
5300MHz	Pass	PK	15.90088G	57.47	74.00	-16.53	3	Vertical	311	2.52
5300MHz	Pass	PK	21.197G	58.46	74.00	-15.54	3	Vertical	319	1.62
5300MHz	Pass	PK	26.49352G	47.64	68.20	-20.56	3	Vertical	281	1.62
5300MHz	Pass	AV	15.89688G	45.37	54.00	-8.63	3	Horizontal	320	1.50
5300MHz	Pass	AV	21.1982G	51.41	54.00	-2.59	3	Horizontal	317	1.64
5300MHz	Pass	PK	10.59988G	66.22	68.20	-1.98	3	Horizontal	302	1.82
5300MHz	Pass	PK	15.896G	58.74	74.00	-15.26	3	Horizontal	320	1.50
5300MHz	Pass	PK	21.1988G	64.35	74.00	-9.65	3	Horizontal	317	1.64
5300MHz	Pass	PK	26.4874G	53.88	68.20	-14.32	3	Horizontal	299	1.64
5320MHz	Pass	AV	5.3254G	101.95	Inf	-Inf	3	Vertical	317	3.00
5320MHz	Pass	AV	5.3514G	46.10	54.00	-7.90	3	Vertical	317	3.00
5320MHz	Pass	PK	5.325G	114.77	Inf	-Inf	3	Vertical	317	3.00
5320MHz	Pass	PK	5.3524G	60.81	74.00	-13.19	3	Vertical	317	3.00
5320MHz	Pass	AV	5.323G	111.56	Inf	-Inf	3	Horizontal	321	1.47
5320MHz	Pass	AV	5.3508G	52.57	54.00	-1.43	3	Horizontal	321	1.47
5320MHz	Pass	PK	5.3234G	123.96	Inf	-Inf	3	Horizontal	321	1.47
5320MHz	Pass	PK	5.351G	67.65	74.00	-6.35	3	Horizontal	321	1.47
5320MHz	Pass	AV	10.63964G	46.20	54.00	-7.80	3	Vertical	16	1.00
5320MHz	Pass	AV	15.95142G	42.49	54.00	-11.51	3	Vertical	331	1.50
5320MHz	Pass	AV	21.28G	44.04	54.00	-9.96	3	Vertical	171	1.47
5320MHz	Pass	PK	10.63772G	60.06	74.00	-13.94	3	Vertical	16	1.00
5320MHz	Pass	PK	15.95334G	56.52	74.00	-17.48	3	Vertical	331	1.50
5320MHz	Pass	PK	21.27988G	50.35	74.00	-23.65	3	Vertical	171	1.47
5320MHz	Pass	PK	26.59664G	49.31	68.20	-18.89	3	Vertical	187	1.50
5320MHz	Pass	AV	10.63946G	47.18	54.00	-6.82	3	Horizontal	306	1.75
5320MHz	Pass	AV	15.94878G	42.49	54.00	-11.51	3	Horizontal	130	2.45
5320MHz	Pass	AV	21.27988G	40.57	54.00	-13.43	3	Horizontal	165	1.46
5320MHz	Pass	PK	10.64006G	61.23	74.00	-12.77	3	Horizontal	306	1.75
5320MHz	Pass	PK	15.96348G	56.54	74.00	-17.46	3	Horizontal	130	2.45
5320MHz	Pass	PK	21.27976G	48.87	74.00	-25.13	3	Horizontal	165	1.46
5320MHz	Pass	PK	26.59304G	49.49	68.20	-18.71	3	Horizontal	208	1.58
5500MHz	Pass	AV	5.4598G	44.08	54.00	-9.92	3	Vertical	315	3.00
5500MHz	Pass	AV	5.5062G	100.24	Inf	-Inf	3	Vertical	315	3.00
5500MHz	Pass	PK	5.4594G	55.95	74.00	-18.05	3	Vertical	315	3.00
5500MHz	Pass	PK	5.4684G	59.97	68.20	-8.23	3	Vertical	315	3.00
5500MHz	Pass	PK	5.5058G	112.47	Inf	-Inf	3	Vertical	315	3.00
5500MHz	Pass	AV	5.46G	46.18	54.00	-7.82	3	Horizontal	327	1.50
5500MHz	Pass	AV	5.5042G	110.10	Inf	-Inf	3	Horizontal	327	1.50
5500MHz	Pass	PK	5.4592G	58.64	74.00	-15.36	3	Horizontal	327	1.50
5500MHz	Pass	PK	5.465G	65.77	68.20	-2.43	3	Horizontal	327	1.50
5500MHz	Pass	PK	5.5024G	122.68	Inf	-Inf	3	Horizontal	327	1.50
5500MHz	Pass	AV	10.99382G	44.41	54.00	-9.59	3	Vertical	338	1.41
5500MHz	Pass	PK	10.99328G	58.36	74.00	-15.64	3	Vertical	338	1.41
5500MHz	Pass	PK	16.5069G	57.09	68.20	-11.11	3	Vertical	135	2.99
5500MHz	Pass	PK	21.99376G	50.86	68.20	-17.34	3	Vertical	156	1.46
5500MHz	Pass	PK	27.50156G	52.61	68.20	-15.59	3	Vertical	171	1.50
5500MHz	Pass	AV	10.99658G	44.73	54.00	-9.27	3	Horizontal	310	1.50
5500MHz	Pass	PK	10.99622G	58.71	74.00	-15.29	3	Horizontal	310	1.50
5500MHz	Pass	PK	16.4871G	59.04	68.20	-9.16	3	Horizontal	288	1.82
5500MHz	Pass	PK	21.99364G	48.26	68.20	-19.94	3	Horizontal	158	1.50
5500MHz	Pass	PK	27.49424G	49.45	68.20	-18.75	3	Horizontal	191	1.50
5580MHz	Pass	AV	5.46G	44.45	54.00	-9.55	3	Vertical	342	3.00
5580MHz	Pass	AV	5.5782G	108.13	Inf	-Inf	3	Vertical	342	3.00
5580MHz	Pass	PK	5.4588G	57.01	74.00	-16.99	3	Vertical	342	3.00
5580MHz	Pass	PK	5.4606G	59.24	68.20	-8.96	3	Vertical	342	3.00
5580MHz	Pass	PK	5.577G	119.70	Inf	-Inf	3	Vertical	342	3.00
5580MHz	Pass	PK	5.7282G	58.84	68.20	-9.36	3	Vertical	342	3.00
5580MHz	Pass	AV	5.4594G	46.77	54.00	-7.23	3	Horizontal	329	1.58



RSE TX above 1GHz_5150-5850(MHz)_Non-Beamforming

Appendix E.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)
5580MHz	Pass	AV	5.5842G	115.03	Inf	-Inf	3	Horizontal	329	1.58
5580MHz	Pass	PK	5.4588G	59.20	74.00	-14.80	3	Horizontal	329	1.58
5580MHz	Pass	PK	5.4636G	65.78	68.20	-2.42	3	Horizontal	329	1.58
5580MHz	Pass	PK	5.5848G	126.67	Inf	-Inf	3	Horizontal	329	1.58
5580MHz	Pass	PK	5.7264G	60.21	68.20	-7.99	3	Horizontal	329	1.58
5580MHz	Pass	AV	11.15504G	48.36	54.00	-5.64	3	Vertical	340	1.47
5580MHz	Pass	AV	22.32G	46.59	54.00	-7.41	3	Vertical	312	1.57
5580MHz	Pass	PK	11.15408G	61.81	74.00	-12.19	3	Vertical	340	1.47
5580MHz	Pass	PK	16.75496G	60.47	68.20	-7.73	3	Vertical	276	1.50
5580MHz	Pass	PK	22.32072G	60.72	74.00	-13.28	3	Vertical	312	1.57
5580MHz	Pass	PK	27.89196G	48.32	68.20	-19.88	3	Vertical	292	1.58
5580MHz	Pass	AV	11.16384G	48.21	54.00	-5.79	3	Horizontal	75	1.71
5580MHz	Pass	AV	22.31544G	53.00	54.00	-1.00	3	Horizontal	304	1.58
5580MHz	Pass	PK	11.15104G	61.42	74.00	-12.58	3	Horizontal	75	1.71
5580MHz	Pass	PK	16.73488G	63.83	68.20	-4.37	3	Horizontal	295	1.86
5580MHz	Pass	PK	22.31688G	67.83	74.00	-6.17	3	Horizontal	304	1.58
5580MHz	Pass	PK	27.89052G	56.43	68.20	-11.77	3	Horizontal	294	1.77
5700MHz	Pass	AV	5.6992G	97.61	Inf	-Inf	3	Vertical	312	2.24
5700MHz	Pass	PK	5.6996G	110.23	Inf	-Inf	3	Vertical	312	2.24
5700MHz	Pass	PK	5.7296G	59.07	68.20	-9.13	3	Vertical	312	2.24
5700MHz	Pass	AV	5.7032G	105.31	Inf	-Inf	3	Horizontal	329	1.40
5700MHz	Pass	PK	5.704G	117.15	Inf	-Inf	3	Horizontal	329	1.40
5700MHz	Pass	PK	5.7252G	65.81	68.20	-2.39	3	Horizontal	329	1.40
5700MHz	Pass	AV	11.39358G	42.52	54.00	-11.48	3	Vertical	352	1.46
5700MHz	Pass	AV	22.7742G	35.26	54.00	-18.74	3	Vertical	178	1.44
5700MHz	Pass	PK	11.39502G	56.97	74.00	-17.03	3	Vertical	352	1.46
5700MHz	Pass	PK	17.09844G	58.06	68.20	-10.14	3	Vertical	291	1.40
5700MHz	Pass	PK	22.77168G	47.12	74.00	-26.88	3	Vertical	178	1.44
5700MHz	Pass	PK	28.49988G	45.70	68.20	-22.50	3	Vertical	353	2.42
5700MHz	Pass	AV	11.4021G	43.14	54.00	-10.86	3	Horizontal	293	1.58
5700MHz	Pass	AV	22.79988G	38.00	54.00	-16.00	3	Horizontal	308	2.82
5700MHz	Pass	PK	11.40312G	56.79	74.00	-17.21	3	Horizontal	293	1.58
5700MHz	Pass	PK	17.1054G	57.26	68.20	-10.94	3	Horizontal	303	1.87
5700MHz	Pass	PK	22.78656G	47.52	74.00	-26.48	3	Horizontal	308	2.82
5700MHz	Pass	PK	28.51248G	46.30	68.20	-21.90	3	Horizontal	256	1.21
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4404G	43.84	54.00	-10.16	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7188G	105.26	Inf	-Inf	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4536G	56.43	74.00	-17.57	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4608G	55.77	68.20	-12.43	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7188G	116.62	Inf	-Inf	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.8988G	57.78	68.20	-10.42	3	Vertical	339	3.00
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.4272G	44.24	54.00	-9.76	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	5.7176G	108.07	Inf	-Inf	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.438G	57.05	74.00	-16.95	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.4656G	56.91	68.20	-11.29	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.7176G	119.91	Inf	-Inf	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	5.9012G	57.98	68.20	-10.22	3	Horizontal	311	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.43384G	44.85	54.00	-9.15	3	Vertical	352	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	AV	22.87988G	42.62	54.00	-11.38	3	Vertical	189	1.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.43256G	58.16	74.00	-15.84	3	Vertical	352	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.1592G	63.99	68.20	-4.21	3	Vertical	289	1.50
5720MHz Straddle 5.47-5.725GHz	Pass	PK	22.89008G	51.15	74.00	-22.85	3	Vertical	189	1.51
5720MHz Straddle 5.47-5.725GHz	Pass	PK	28.59556G	49.66	68.20	-18.54	3	Vertical	268	1.56
5720MHz Straddle 5.47-5.725GHz	Pass	AV	11.44256G	46.02	54.00	-7.98	3	Horizontal	292	1.61
5720MHz Straddle 5.47-5.725GHz	Pass	AV	22.8758G	40.98	54.00	-13.02	3	Horizontal	207	1.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	11.44096G	59.17	74.00	-14.83	3	Horizontal	292	1.61
5720MHz Straddle 5.47-5.725GHz	Pass	PK	17.16184G	68.13	68.20	-0.07	3	Horizontal	303	2.02
5720MHz Straddle 5.47-5.725GHz	Pass	PK	22.89524G	58.35	74.00	-15.65	3	Horizontal	207	1.54
5720MHz Straddle 5.47-5.725GHz	Pass	PK	28.60612G	46.12	68.20	-22.08	3	Horizontal	202	1.40
5745MHz	Pass	AV	5.4474G	43.76	54.00	-10.24	3	Vertical	324	1.50
5745MHz	Pass	AV	5.7474G	101.49	Inf	-Inf	3	Vertical	324	1.50
5745MHz	Pass	PK	5.5506G	56.76	68.20	-11.44	3	Vertical	324	1.50