FCC C2PC Test Report

FCC ID	:	**P27RP582B**
Equipment	:	**WiFi 6 Tri-Band Router**
Model No.	:	**RP582B**
Brand Name	:	**Sercomm**
Applicant	:	**Sercomm Corporation**
Address	:	**8F, No. 3-1, YuanQu St., NanKang, Taipei 115, Taiwan, R.O.C.**
Standard	:	**47 CFR FCC Part 15.407**
Received Date	:	**Jan. 11, 2022**
Tested Date	:	**Jan. 25 ~ Feb. 21, 2022**

We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by: **Approved by:**

Along Chen / Assistant Manager **Gary Chang / Manager**

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Release Record

Report No.	Version	Description	Issued Date
FR211102-01AN	Rev. 01	Initial issue	Mar. 25, 2022

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	Conducted Emissions	[dBuV]: 0.348MHz 43.28 (Margin -5.72dB) - AV	Pass
15.407(b) 15.209	Radiated Emissions	[dBuV/m at 3m]: 5725.00MHz 68.02 (Margin -0.18dB) - PK	Pass
15.407(a)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(a)	RF Output Power	Max Power [dBm]: ***Non-beamforming mode*** 5250~5350MHz: 23.71 5470~5725MHz: 23.85 5850~5895MHz: 24.87 ***Beamforming mode*** 5250~5350MHz: 20.69 5470~5725MHz: 23.81 5850~5895MHz: 24.83	Pass
15.407(a)	Peak Power Spectral Density	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
Comments and Explanations:
The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This is a Class II Permissive Change report (C2PC). The modification is concerned with following items:
- Adding 5250~5350MHz, 5470~5725 MHz and 5850 ~ 5895 MHz band by software setting.

1.1.1 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	**IEEE Std. 802.11**	**Ch. Freq. (MHz)**	**Channel Number**	**Transmit Chains (N_{TX})**	**Data Rate / MCS**
5250-5350 5470-5725 5850-5895	a	5260-5320 5500-5720 5845-5885	52-64 [4] 100-144 [12] 169-177 [3]	4 2 2	6-54 Mbps
5250-5350 5470-5725 5850-5895	n (HT20)	5260-5320 5500-5720 5845-5885	52-64 [4] 100-144 [12] 169-177 [3]	4 2 2	MCS 0-31 MCS 0-15 MCS 0-15
5250-5350 5470-5725 5850-5895	n (HT40)	5270-5310 5510-5710 5835-5875	54-62 [2] 102-142 [6] 167-175 [2]	4 2 2	MCS 0-31 MCS 0-15 MCS 0-15
5250-5350 5470-5725 5850-5895	ac (VHT20)	5260-5320 5500-5720 5845-5885	52-64 [4] 100-144 [12] 169-177 [3]	4 2 2	MCS 0-9
5250-5350 5470-5725 5850-5895	ac (VHT40)	5270-5310 5510-5710 5835-5875	54-62 [2] 102-142 [6] 167-175 [2]	4 2 2	MCS 0-9
5250-5350 5470-5725 5850-5895	ac (VHT80)	5290 5530-5690 5855	58 [1] 106-138 [3] 171 [1]	4 2 2	MCS 0-9
5250-5350 5470-5725 5850-5895	ac (VHT160)	5250 5570	50 [1] 114 [1]	4 2 2	MCS 0-9
5250-5350 5470-5725 5850-5895	ax (HE20)	5260-5320 5500-5720 5845-5885	52-64 [4] 100-144 [12] 169-177 [3]	4 2 2	MCS 0-11
5250-5350 5470-5725 5850-5895	ax (HE40)	5270-5310 5510-5710 5835-5875	54-62 [2] 102-142 [6] 167-175 [2]	4 2 2	MCS 0-11
5250-5350 5470-5725 5850-5895	ax (HE80)	5290 5530-5690 5855	58 [1] 106-138 [3] 171 [1]	4 2 2	MCS 0-11
5250-5350 5470-5725 5850-5895	ac (HE160)	5250 5570	50 [1] 114 [1]	4 2 2	MCS 0-11
Note 1: OFDM/OFDMA- BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation. Note 2: 802.11ax supports beamforming function.					

1.1.2 Antenna Details

Ant. No.	Model	Type	Connector	Operating Frequencies (MHz) / Antenna Gain (dBi)					Remarks
				5150~5250	5250~5350	5470~5725	5725~5850	5850~5895	
1	Ant1	Dipole	I-PEX	4.31	4.31	3.28	2.16	2.16	Radio2, 3
2	Ant2	Dipole	I-PEX	2.63	2.63	2.36	3.85	3.85	Radio2, 3
3	Ant3	Dipole	I-PEX	3.35	3.35	4.05	3.4	3.4	Radio1
4	Ant4	Dipole	I-PEX	2.19	2.19	2.09	3.32	3.32	Radio1
5	Ant5	Dipole	I-PEX	2.62	2.62	2.74	2.69	2.69	Radio1
6	Ant6	Dipole	I-PEX	4.23	4.23	4.14	4.11	4.11	Radio1

1.1.3 Radio Details

Radio	Function
1	5.15 GHz ~ 5.25 GHz, 5.250 GHz ~ 5.350 GHz, 4T4R
2	5.470 GHz ~ 5.725 GHz, 5.725 GHz ~ 5.85 GHz, 2T2R
3	5850 GHz ~ 5895 GHz, 2T2R

1.1.4 Power Supply Type of Equipment under Test (EUT)

Power Supply Type	12Vdc from adapter

1.1.5 Accessories

Accessories		
No.	**Equipment**	**Description**
1	AC adapter	Brand: Leader Model: MU24D1120200-A1 Power Rating: I/P: 100-240Vac, 50/60Hz, 0.7A O/P: 12Vdc, 2.0A Line: 1.45m non-shielded w/o core.
2	AC adapter	Brand: Acbel Model: WAM003 ID:GMAG Power Rating: I/P: 100-240Vac, 50/60Hz, 0.7A. O/P: 12Vdc, 2.0A, 24W Line: 1.45m non-shielded w/o core.

1.1.6 Channel List

802.11a / n HT20 / ac VHT20 / ax HE20		802.11n HT40 / ac VHT40 / ax HE40	
Channel	**Frequency(MHz)**	**Channel**	**Frequency(MHz)**
52	5260	54	5270
56	5280	62	5310
60	5300	102	5510
64	5320	110	5550
100	5500	118	5590
104	5520	126	5630
108	5540	134	5670
112	5560	142	5710
116	5580	167	5835
120	5600	175	5875
124	5620	**802.11ac VHT80 / ax HE80**	
128	5640	58	5290
132	5660	106	5530
136	5680	122	5610
140	5700	138	5690
144	5720	171	5855
169	5845	**802.11ac VHT160 / ax HE160**	
173	5865	50	5250
177	5885	114	5570

1.1.7 Test Tool and Duty Cycle

Test Tool	Non-beamforming mode: accessMTool, Version: V3.2.1.5 Beamforming mode: Lantest, Version: V2.0.0.2				
Duty Cycle and Duty Factor	**Mode**	**Non-beamforming mode**		**Beamforming mode**	
		Duty Cycle (%)	**Duty Factor (dB)**	**Duty Cycle (%)**	**Duty Factor (dB)**
	11a	95.81%	0.19	---	---
	ax HE20-OFDMA	98.31%	0.07	90.69%	0.42
	ax HE40-OFDMA	98.31%	0.07	93.55%	0.29
	ax HE80-OFDMA	98.58%	0.06	94.15%	0.26
	ax HE160-OFDMA	91.35%	0.39	75.50%	1.22

1.1.8 Power Index of Test Tool

Modulation Mode	Test Frequency (MHz)	Power Index	
		Non-beamforming mode	Beamforming mode
11a	5260	56	---
11a	5300	56	---
11a	5320	60	---
11a	5500	66	---
11a	5580	80	---
11a	5700	68	---
11a	5720	82	---
11a	5845	84	---
11a	5865	84	---
11a	5885	84	---
ax HE20-OFDMA	5260	54	56
ax HE20-OFDMA	5300	54	56
ax HE20-OFDMA	5320	58	58
ax HE20-OFDMA	5500	66	66
ax HE20-OFDMA	5580	80	80
ax HE20-OFDMA	5700	66	66
ax HE20-OFDMA	5720	82	80
ax HE20-OFDMA	5845	84	84
ax HE20-OFDMA	5865	84	84
ax HE20-OFDMA	5885	84	84
ax HE40-OFDMA	5270	64	54
ax HE40-OFDMA	5310	60	56
ax HE40-OFDMA	5510	62	62
ax HE40-OFDMA	5590	82	82
ax HE40-OFDMA	5670	72	68
ax HE40-OFDMA	5710	80	80
ax HE40-OFDMA	5835	84	82
ax HE40-OFDMA	5875	84	82
ax HE80-OFDMA	5290	62	56
ax HE80-OFDMA	5530	62	62
ax HE80-OFDMA	5610	74	74
ax HE80-OFDMA	5690	82	82

ax HE80-OFDMA	5855	84	84
ax HE160-OFDMA	5250	50	44
ax HE160-OFDMA	5570	66	58

1.2 Local Support Equipment List

Non-beamforming mode

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude 5400	---	---
2	Notebook	DELL	Latitude E6440	---	---

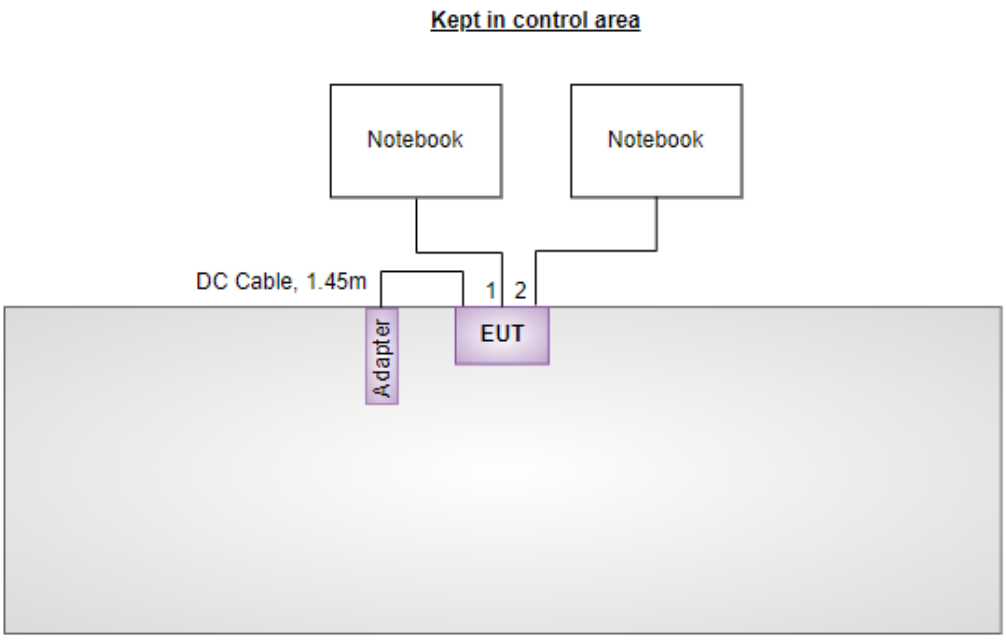
Beamforming mode

Support Equipment List					
No.	**Equipment**	**Brand**	**Model**	**FCC ID**	**Remarks**
1	Notebook	DELL	Latitude 5400	---	---
2	Notebook	DELL	Latitude E6440	---	---
3	BF Client	---	RP582B	---	Provided by applicant.

1.3 Test Setup Chart

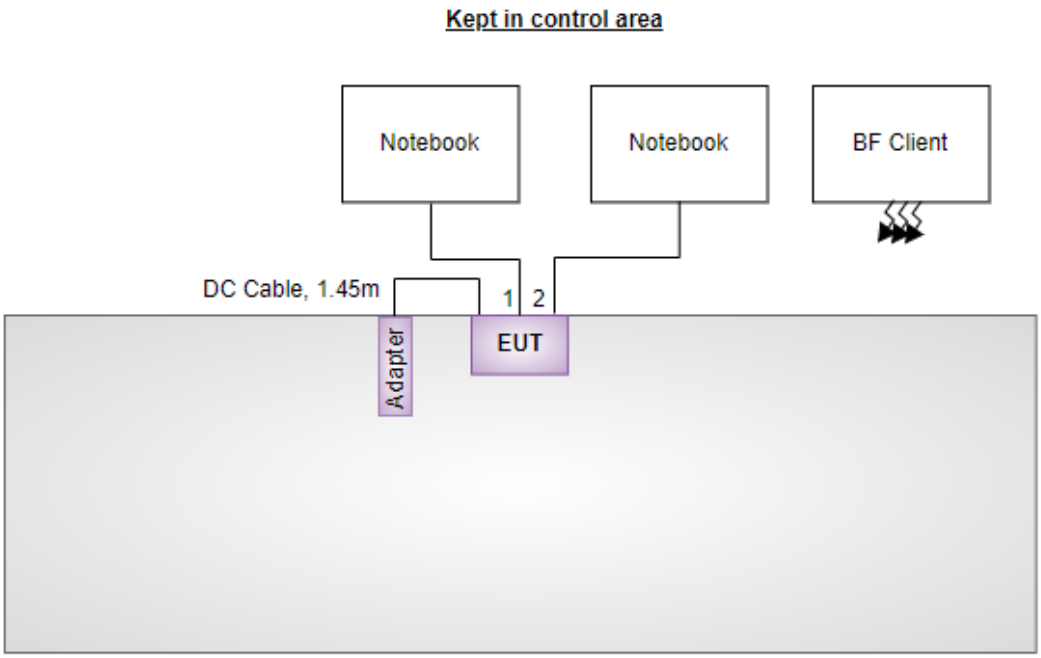
Non-beamforming mode

Test Setup Diagram



No.	Signal cable / Length (m)
1-2	RJ45, 10m non-shielded.

Beamforming mode

Test Setup Diagram


No.	Signal cable / Length (m)
1-2	RJ45, 10m non-shielded.

1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Feb. 07, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
LISN	R&S	ENV216	101579	Mar. 17, 2021	Mar. 16, 2022
LISN (Support Unit)	SCHWARZBECK MESS-ELEKTRONIK	NSLK 8127	8127477	Feb .25, 2021	Feb .24, 2022
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 19, 2021	Oct. 18, 2022
50 ohm terminal (Support Unit)	NA	50	04	May 25, 2021	May 24, 2022
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Jan. 25 ~ Feb. 15, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Receiver	R&S	ESR3	101657	Mar. 12, 2021	Mar. 11, 2022
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Loop Antenna	R&S	HFH2-Z2	100330	Nov. 08, 2021	Nov. 07, 2022
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Jun. 30, 2021	Jun. 29, 2022
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Dec. 03, 2021	Dec. 02, 2022
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170508	Jan. 11, 2022	Jan. 10, 2023
Preamplifier	EMC	EMC02325	980225	Jun. 29, 2021	Jun. 28, 2022
Preamplifier	Agilent	83017A	MY39501308	Sep. 28, 2021	Sep. 27, 2022
Preamplifier	EMC	EMC184045B	980192	Jul. 14, 2021	Jul. 13, 2022
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 05, 2021	Oct. 04, 2022
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 05, 2021	Oct. 04, 2022
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 05, 2021	Oct. 04, 2022
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 05, 2021	Oct. 04, 2022
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 05, 2021	Oct. 04, 2022
RF Cable	HUBER+SUHNER	SUCOFLEX104	MY16019/4	Oct. 05, 2021	Oct. 04, 2022
Measurement Software	AUDIX	e3	6.120210g	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Feb. 21, 2022				
Instrument	**Brand**	**Model No.**	**Serial No.**	**Calibration Date**	**Calibration Until**
Spectrum Analyzer	R&S	FSV40	101498	Nov. 29, 2021	Nov. 28, 2022
Power Meter	Anritsu	ML2495A	1241002	Nov. 07, 2021	Nov. 06, 2022
Power Sensor	Anritsu	MA2411B	1207366	Nov. 07, 2021	Nov. 06, 2022
TEMP&HUMIDITY CHAMBER	GIANT FORCE	GCT-225-40-SP-SD	MAF1212-002	May. 25, 2021	May. 24, 2022
AC POWER SOURCE	APC	AFC-500W	F312060012	Dec. 03, 2021	Dec. 02, 2022
Measurement Software	Sporton	SENSE-15407_NII	V5.10.7.18	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

1.5 Test Standards

47 CFR FCC Part 15.407
ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 412172 D01 Determining ERP and EIRP v01r01
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01
FCC KDB 291074 D02 EMC Measurement v01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	**Uncertainty**
Bandwidth	±34.130 Hz
Conducted power	±0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	±0.583 dB
Conducted emission	±2.715 dB
AC conducted emission	±2.92 dB
Radiated emission ≤ 1GHz	±3.41 dB
Radiated emission > 1GHz	±4.59 dB
Time	±0.1%
Temperature	±0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corporation
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No.3-1, Lane 6, Wen San 3rd St., Kwei Shan Dist., Tao Yuan City 33381, Taiwan (R.O.C.)

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Mode
Non-beamforming mode				
Conducted Emissions	ax HE40-OFDMA	5270	MCS 0	---
	ax HE40-OFDMA	5590	MCS 0	---
	ax HE20-OFDMA	5845	MCS 0	---
Radiated Emissions ≤1GHz	ax HE40-OFDMA	5270	MCS 0	---
	ax HE40-OFDMA	5590	MCS 0	---
	ax HE20-OFDMA	5845	MCS 0	---
RF Output Power Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	11a	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 5845 / 5865 / 5885	6 Mbps	---
	ax HE20-OFDMA	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 5845 / 5865 / 5885	MCS 0	
	ax HE40-OFDMA	5270 / 5310 5510 / 5590 / 5670 / 5710 5835 / 5875	MCS 0	
	ax HE80-OFDMA	5290 / 5530 / 5610 / 5690 5855	MCS 0	
	ax HE160-OFDMA	5250 / 5570	MCS 0	
Frequency Stability	Un-modulation	5300 / 5580	---	---
Note: Two adapters (Leader and Acbel) had been covered during the pretest, and found that Leader was the worst case and was selected for final test.				

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate (Mbps) / MCS	Mode
Beamforming mode				
Conducted Emissions	ax HE20-OFDMA	5300	MCS 0	---
	ax HE40-OFDMA	5590	MCS 0	---
	ax HE20-OFDMA	5845	MCS 0	---
Radiated Emissions ≤1GHz	ax HE20-OFDMA	5300	MCS 0	---
	ax HE40-OFDMA	5590	MCS 0	---
	ax HE20-OFDMA	5845	MCS 0	---
RF Output Power Radiated Emissions >1GHz Emission Bandwidth Peak Power Spectral Density	ax HE20-OFDMA	5260 / 5300 / 5320 5500 / 5580 / 5700 / 5720 5845 / 5865 / 5885	MCS 0	---
	ax HE40-OFDMA	5270 / 5310 5510 / 5590 / 5670 / 5710 5835 / 5875	MCS 0	---
	ax HE80-OFDMA	5290 / 5530 / 5610 / 5690 5855	MCS 0	---
	ax HE160-OFDMA	5250 / 5570	MCS 0	---
Note: Two adapters (Leader and Acbel) had been covered during the pretest, and found that Leader was the worst case and was selected for final test.				

3 Transmitter Test Results

3.1 Conducted Emissions

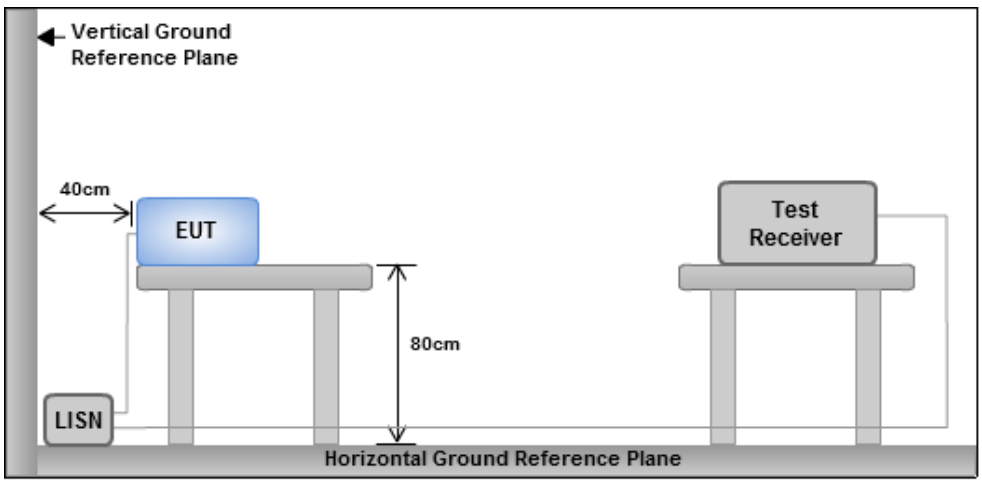
3.1.1 Limit of Conducted Emissions

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 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 110V/60Hz

3.1.3 Test Setup



Note: 1. Support units were connected to second LISN.

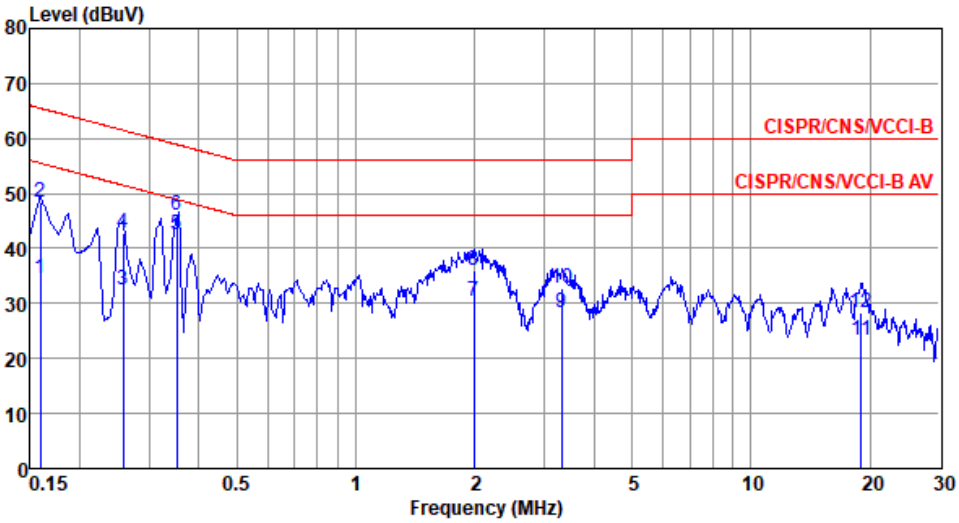
2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

Non-beamforming mode

3.1.4 Test Result of Conducted Emissions

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5270
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

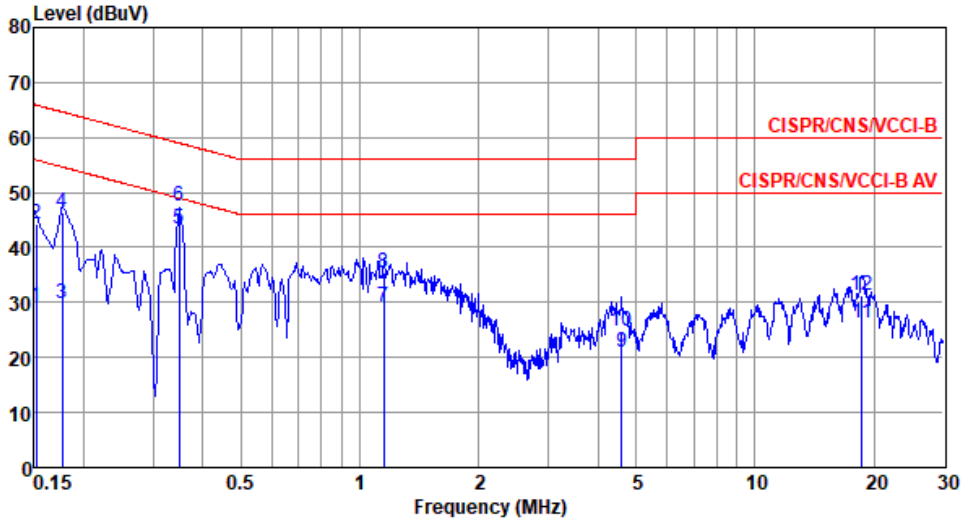


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.159	34.44	55.52	-21.08	24.50	9.66	0.08	0.20	Average
2	0.159	48.37	65.52	-17.15	38.43	9.66	0.08	0.20	QP
3	0.258	32.56	51.51	-18.95	22.56	9.65	0.08	0.27	Average
4	0.258	42.86	61.51	-18.65	32.86	9.65	0.08	0.27	QP
5*	0.351	42.51	48.93	-6.42	32.46	9.64	0.08	0.33	Average
6	0.351	46.06	58.93	-12.87	36.01	9.64	0.08	0.33	QP
7	1.991	30.39	46.00	-15.61	20.14	9.66	0.20	0.39	Average
8	1.991	36.04	56.00	-19.96	25.79	9.66	0.20	0.39	QP
9	3.310	28.33	46.00	-17.67	18.04	9.67	0.21	0.41	Average
10	3.310	32.64	56.00	-23.36	22.35	9.67	0.21	0.41	QP
11	19.021	23.23	50.00	-26.77	12.28	9.68	0.64	0.63	Average
12	19.021	28.40	60.00	-31.60	17.45	9.68	0.64	0.63	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

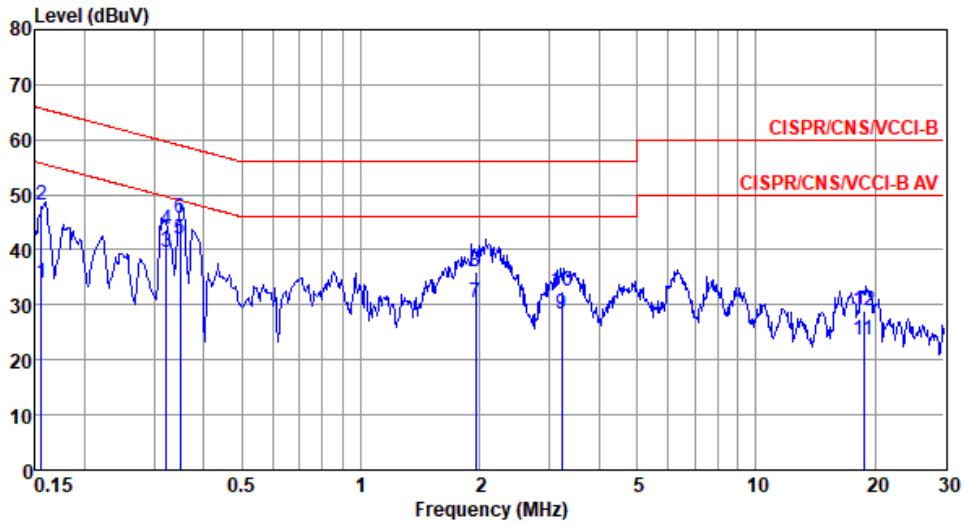


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.152	29.23	55.91	-26.68	19.30	9.69	0.08	0.16	Average
2	0.152	44.31	65.91	-21.60	34.38	9.69	0.08	0.16	QP
3	0.177	29.85	54.64	-24.79	19.92	9.68	0.08	0.17	Average
4	0.177	46.44	64.64	-18.20	36.51	9.68	0.08	0.17	QP
5*	0.348	43.28	49.00	-5.72	33.34	9.67	0.08	0.19	Average
6	0.348	47.39	59.00	-11.61	37.45	9.67	0.08	0.19	QP
7	1.147	29.18	46.00	-16.82	19.05	9.68	0.17	0.28	Average
8	1.147	35.41	56.00	-20.59	25.28	9.68	0.17	0.28	QP
9	4.598	20.96	46.00	-25.04	10.66	9.71	0.25	0.34	Average
10	4.598	24.92	56.00	-31.08	14.62	9.71	0.25	0.34	QP
11	18.622	26.19	50.00	-23.81	15.27	9.83	0.63	0.46	Average
12	18.622	31.41	60.00	-28.59	20.49	9.83	0.63	0.46	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

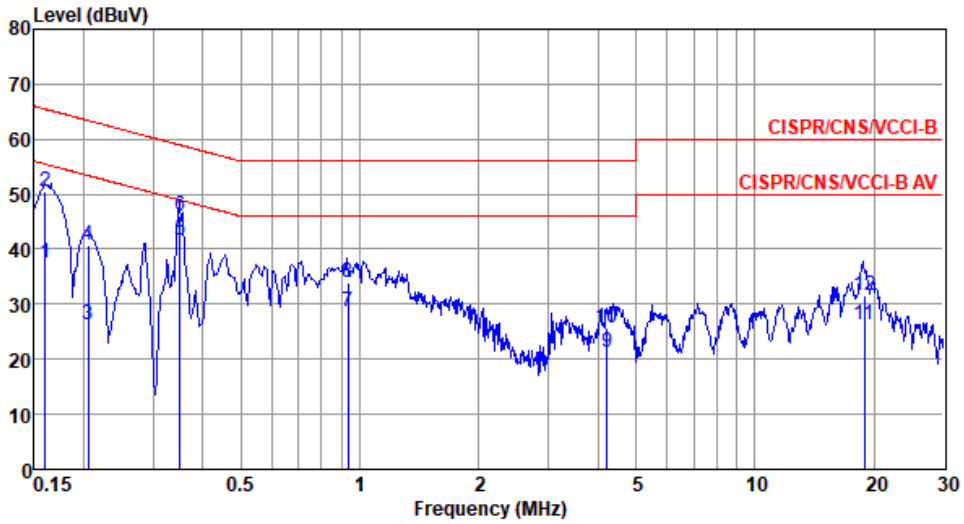


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.155	33.92	55.73	-21.81	23.98	9.66	0.08	0.20	Average
2	0.155	48.25	65.73	-17.48	38.31	9.66	0.08	0.20	QP
3	0.322	39.58	49.66	-10.08	29.54	9.64	0.08	0.32	Average
4	0.322	43.75	59.66	-15.91	33.71	9.64	0.08	0.32	QP
5*	0.349	42.05	48.99	-6.94	32.00	9.64	0.08	0.33	Average
6	0.349	45.87	58.99	-13.12	35.82	9.64	0.08	0.33	QP
7	1.955	30.55	46.00	-15.45	20.30	9.66	0.20	0.39	Average
8	1.955	36.11	56.00	-19.89	25.86	9.66	0.20	0.39	QP
9	3.220	28.23	46.00	-17.77	17.94	9.67	0.21	0.41	Average
10	3.220	32.41	56.00	-23.59	22.12	9.67	0.21	0.41	QP
11	18.770	23.55	50.00	-26.45	12.61	9.68	0.64	0.62	Average
12	18.770	28.99	60.00	-31.01	18.05	9.68	0.64	0.62	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5590
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

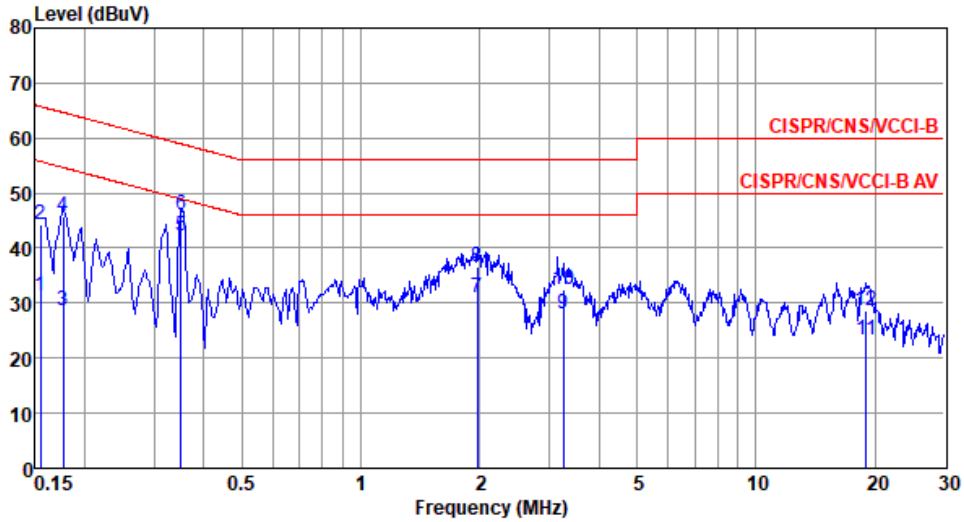


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.160	37.48	55.46	-17.98	27.55	9.69	0.08	0.16	Average
2	0.160	50.37	65.46	-15.09	40.44	9.69	0.08	0.16	QP
3	0.205	26.25	53.41	-27.16	16.31	9.68	0.08	0.18	Average
4	0.205	40.83	63.41	-22.58	30.89	9.68	0.08	0.18	QP
5*	0.351	41.77	48.94	-7.17	31.83	9.67	0.08	0.19	Average
6	0.351	46.19	58.94	-12.75	36.25	9.67	0.08	0.19	QP
7	0.933	28.50	46.00	-17.50	18.40	9.68	0.15	0.27	Average
8	0.933	33.99	56.00	-22.01	23.89	9.68	0.15	0.27	QP
9	4.220	21.18	46.00	-24.82	10.93	9.70	0.22	0.33	Average
10	4.220	25.71	56.00	-30.29	15.46	9.70	0.22	0.33	QP
11	18.950	26.21	50.00	-23.79	15.29	9.83	0.64	0.45	Average
12	18.950	31.55	60.00	-28.45	20.63	9.83	0.64	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

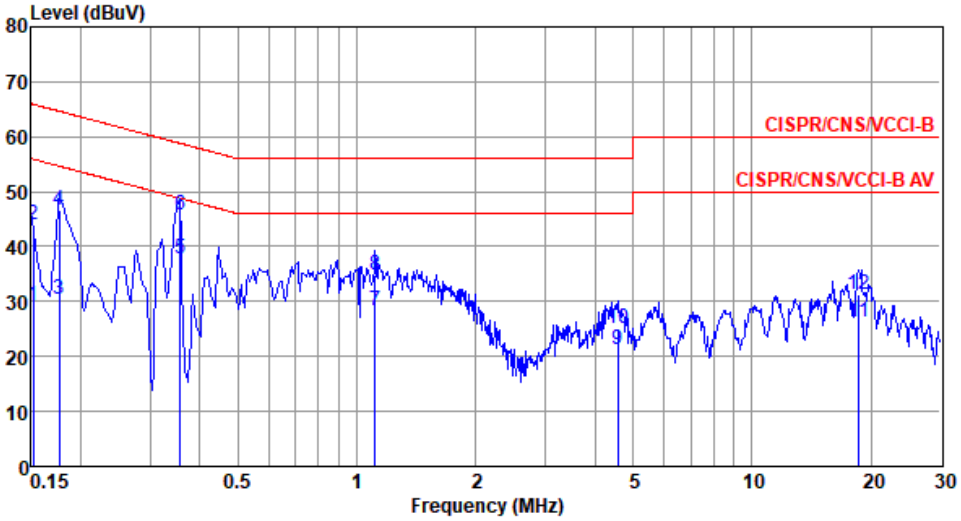


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.155	31.16	55.74	-24.58	21.22	9.66	0.08	0.20	Average
2	0.155	44.36	65.74	-21.38	34.42	9.66	0.08	0.20	QP
3	0.177	28.51	54.64	-26.13	18.57	9.65	0.08	0.21	Average
4	0.177	45.76	64.64	-18.88	35.82	9.65	0.08	0.21	QP
5*	0.351	42.36	48.95	-6.59	32.31	9.64	0.08	0.33	Average
6	0.351	46.03	58.95	-12.92	35.98	9.64	0.08	0.33	QP
7	1.970	30.97	46.00	-15.03	20.72	9.66	0.20	0.39	Average
8	1.970	36.70	56.00	-19.30	26.45	9.66	0.20	0.39	QP
9	3.258	28.10	46.00	-17.90	17.81	9.67	0.21	0.41	Average
10	3.258	32.59	56.00	-23.41	22.30	9.67	0.21	0.41	QP
11	19.021	23.23	50.00	-26.77	12.28	9.68	0.64	0.63	Average
12	19.021	28.52	60.00	-31.48	17.57	9.68	0.64	0.63	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.152	29.19	55.91	-26.72	19.26	9.69	0.08	0.16	Average
2	0.152	44.03	65.91	-21.88	34.10	9.69	0.08	0.16	QP
3	0.177	30.35	54.64	-24.29	20.42	9.68	0.08	0.17	Average
4	0.177	46.77	64.64	-17.87	36.84	9.68	0.08	0.17	QP
5*	0.358	37.76	48.78	-11.02	27.82	9.67	0.08	0.19	Average
6	0.358	45.85	58.78	-12.93	35.91	9.67	0.08	0.19	QP
7	1.111	28.28	46.00	-17.72	18.15	9.68	0.17	0.28	Average
8	1.111	34.88	56.00	-21.12	24.75	9.68	0.17	0.28	QP
9	4.574	21.25	46.00	-24.75	10.96	9.71	0.24	0.34	Average
10	4.574	25.02	56.00	-30.98	14.73	9.71	0.24	0.34	QP
11	18.622	26.17	50.00	-23.83	15.25	9.83	0.63	0.46	Average
12	18.622	31.34	60.00	-28.66	20.42	9.83	0.63	0.46	QP

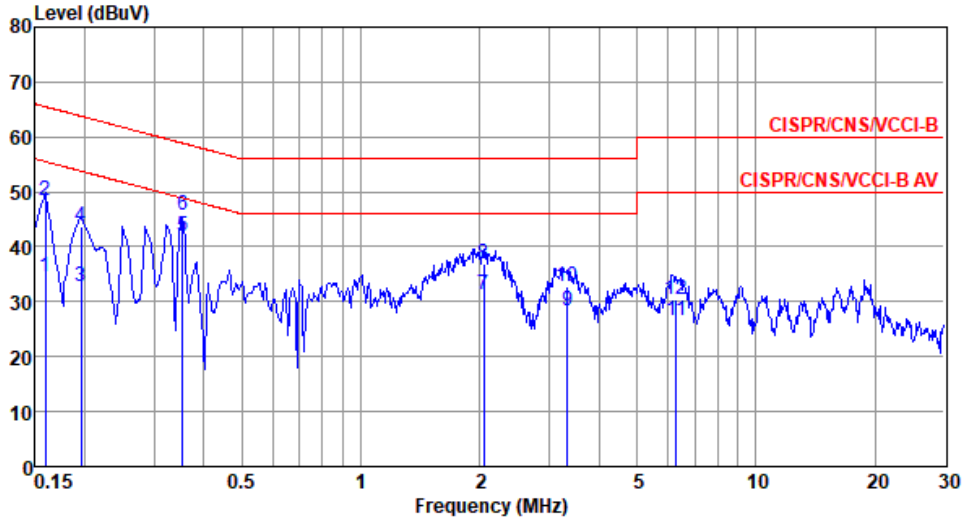
Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Beamforming mode

3.1.5 Test Result of Conducted Emissions

Modulation	ax HE20-OFDMA	**Test Freq. (MHz)**	5300
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

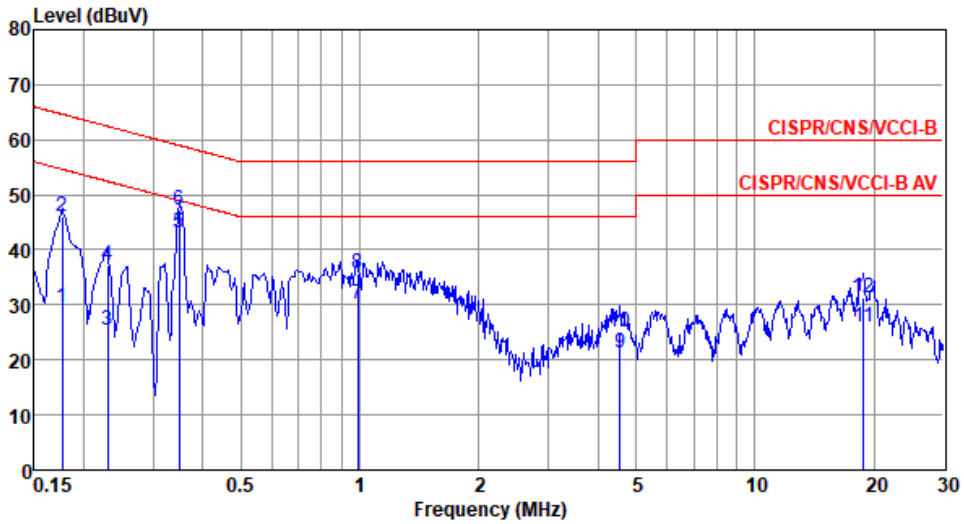


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.159	34.62	55.52	-20.90	24.68	9.66	0.08	0.20	Average
2	0.159	48.41	65.52	-17.11	38.47	9.66	0.08	0.20	QP
3	0.195	32.67	53.80	-21.13	22.72	9.65	0.08	0.22	Average
4	0.195	43.71	63.80	-20.09	33.76	9.65	0.08	0.22	QP
5*	0.354	41.85	48.87	-7.02	31.79	9.64	0.08	0.34	Average
6	0.354	45.66	58.87	-13.21	35.60	9.64	0.08	0.34	QP
7	2.044	31.32	46.00	-14.68	21.07	9.66	0.20	0.39	Average
8	2.044	36.85	56.00	-19.15	26.60	9.66	0.20	0.39	QP
9	3.328	28.48	46.00	-17.52	18.19	9.67	0.21	0.41	Average
10	3.328	32.83	56.00	-23.17	22.54	9.67	0.21	0.41	QP
11	6.285	26.55	50.00	-23.45	16.10	9.69	0.33	0.43	Average
12	6.285	30.53	60.00	-29.47	20.08	9.69	0.33	0.43	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

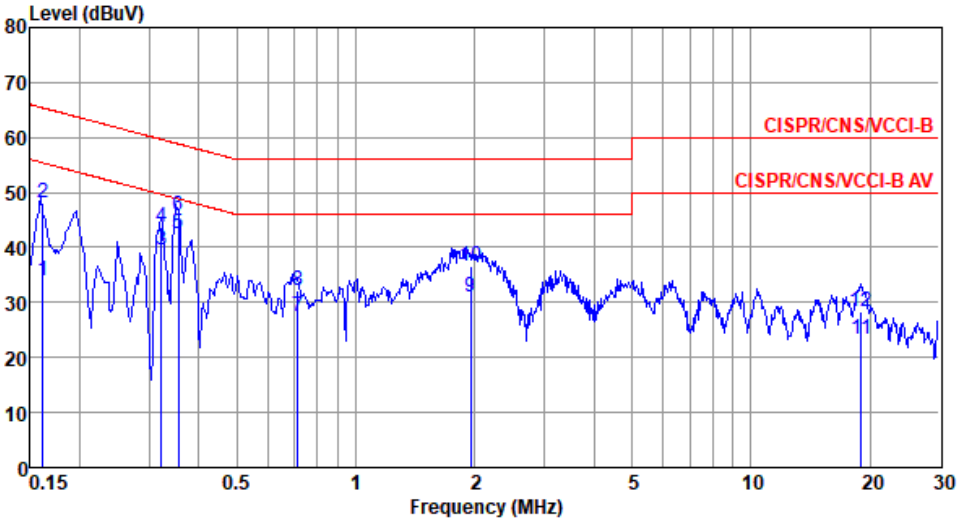


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.177	29.52	54.64	-25.12	19.59	9.68	0.08	0.17	Average
2	0.177	46.20	64.64	-18.44	36.27	9.68	0.08	0.17	QP
3	0.230	25.38	52.44	-27.06	15.44	9.68	0.08	0.18	Average
4	0.230	37.23	62.44	-25.21	27.29	9.68	0.08	0.18	QP
5*	0.348	43.15	49.00	-5.85	33.21	9.67	0.08	0.19	Average
6	0.348	47.29	59.00	-11.71	37.35	9.67	0.08	0.19	QP
7	0.989	30.07	46.00	-15.93	19.95	9.68	0.16	0.28	Average
8	0.989	35.82	56.00	-20.18	25.70	9.68	0.16	0.28	QP
9	4.549	21.13	46.00	-24.87	10.84	9.71	0.24	0.34	Average
10	4.549	24.98	56.00	-31.02	14.69	9.71	0.24	0.34	QP
11	18.820	25.95	50.00	-24.05	15.03	9.83	0.64	0.45	Average
12	18.820	31.35	60.00	-28.65	20.43	9.83	0.64	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

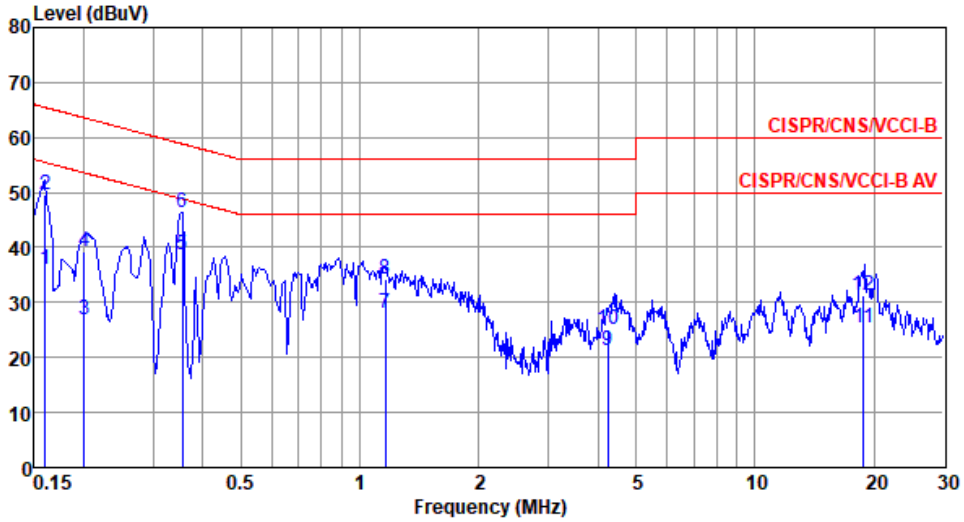


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.161	33.99	55.41	-21.42	24.05	9.66	0.08	0.20	Average
2	0.161	48.25	65.41	-17.16	38.31	9.66	0.08	0.20	QP
3	0.322	39.54	49.66	-10.12	29.50	9.64	0.08	0.32	Average
4	0.322	43.83	59.66	-15.83	33.79	9.64	0.08	0.32	QP
5*	0.355	42.59	48.84	-6.25	32.53	9.64	0.08	0.34	Average
6	0.355	45.88	58.84	-12.96	35.82	9.64	0.08	0.34	QP
7	0.712	27.55	46.00	-18.45	17.40	9.65	0.13	0.37	Average
8	0.714	32.25	56.00	-23.75	22.10	9.65	0.13	0.37	QP
9	1.955	31.11	46.00	-14.89	20.86	9.66	0.20	0.39	Average
10	1.955	36.62	56.00	-19.38	26.37	9.66	0.20	0.39	QP
11	19.020	23.25	50.00	-26.75	12.30	9.68	0.64	0.63	Average
12	19.020	28.44	60.00	-31.56	17.49	9.68	0.64	0.63	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

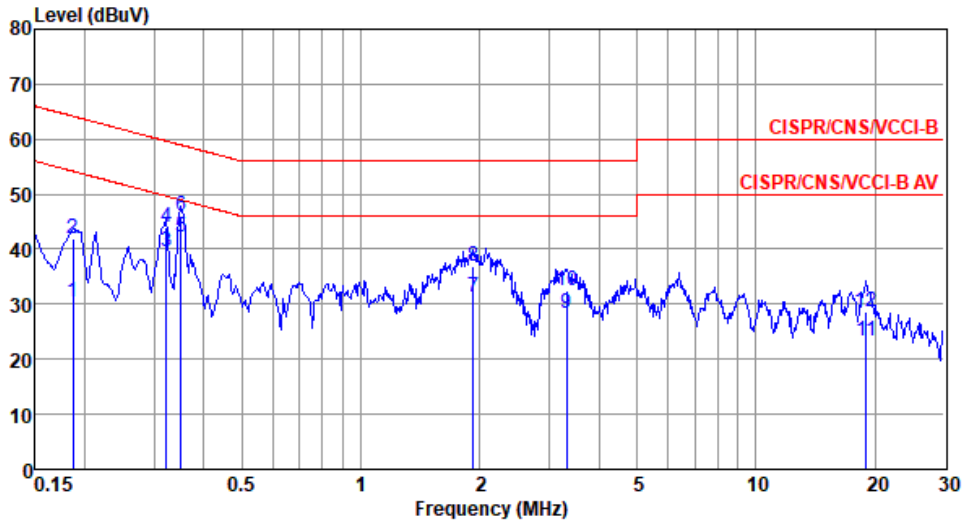


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.160	35.87	55.46	-19.59	25.94	9.69	0.08	0.16	Average
2	0.160	49.52	65.46	-15.94	39.59	9.69	0.08	0.16	QP
3	0.201	26.77	53.57	-26.80	16.83	9.68	0.08	0.18	Average
4	0.201	39.25	63.57	-24.32	29.31	9.68	0.08	0.18	QP
5*	0.355	38.54	48.84	-10.30	28.60	9.67	0.08	0.19	Average
6	0.355	46.44	58.84	-12.40	36.50	9.67	0.08	0.19	QP
7	1.158	28.11	46.00	-17.89	17.98	9.68	0.17	0.28	Average
8	1.158	34.25	56.00	-21.75	24.12	9.68	0.17	0.28	QP
9	4.236	21.15	46.00	-24.85	10.90	9.70	0.22	0.33	Average
10	4.236	25.06	56.00	-30.94	14.81	9.70	0.22	0.33	QP
11	18.870	25.45	50.00	-24.55	14.53	9.83	0.64	0.45	Average
12	18.870	31.15	60.00	-28.85	20.23	9.83	0.64	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Power Phase	Line		

Test by : Joe Liao Temperature: 18°C Humidity: 60%

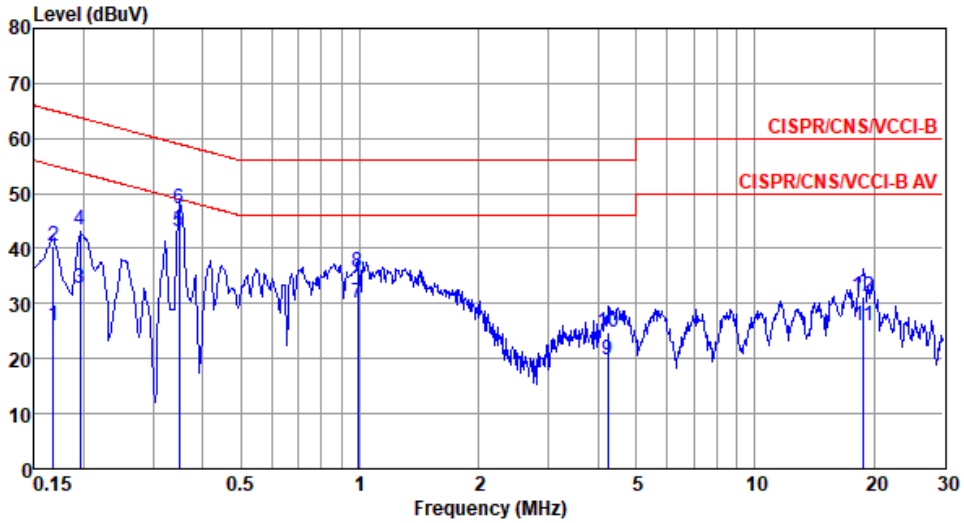


	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.186	30.37	54.20	-23.83	20.43	9.65	0.08	0.21	Average
2	0.186	41.93	64.20	-22.27	31.99	9.65	0.08	0.21	QP
3	0.322	39.70	49.66	-9.96	29.66	9.64	0.08	0.32	Average
4	0.322	43.93	59.66	-15.73	33.89	9.64	0.08	0.32	QP
5*	0.350	42.15	48.95	-6.80	32.10	9.64	0.08	0.33	Average
6	0.350	45.99	58.95	-12.96	35.94	9.64	0.08	0.33	QP
7	1.928	31.29	46.00	-14.71	21.04	9.66	0.20	0.39	Average
8	1.928	36.92	56.00	-19.08	26.67	9.66	0.20	0.39	QP
9	3.310	28.34	46.00	-17.66	18.05	9.67	0.21	0.41	Average
10	3.310	32.59	56.00	-23.41	22.30	9.67	0.21	0.41	QP
11	19.021	23.41	50.00	-26.59	12.46	9.68	0.64	0.63	Average
12	19.021	28.58	60.00	-31.42	17.63	9.68	0.64	0.63	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Power Phase	Neutral		

Test by : Joe Liao Temperature: 18°C Humidity: 60%



	Freq	Level	Limit Line	Over Limit	Read Level	Factor	Cable loss	Aux	Remark
	MHz	dBuA	dBuA	dB	dBuA	dB	dB	dB	
1	0.168	26.11	55.08	-28.97	16.17	9.69	0.08	0.17	Average
2	0.168	40.31	65.08	-24.77	30.37	9.69	0.08	0.17	QP
3	0.195	32.67	53.80	-21.13	22.73	9.68	0.08	0.18	Average
4	0.195	43.45	63.80	-20.35	33.51	9.68	0.08	0.18	QP
5*	0.348	43.00	49.00	-6.00	33.06	9.67	0.08	0.19	Average
6	0.348	47.32	59.00	-11.68	37.38	9.67	0.08	0.19	QP
7	0.989	29.98	46.00	-16.02	19.86	9.68	0.16	0.28	Average
8	0.989	35.81	56.00	-20.19	25.69	9.68	0.16	0.28	QP
9	4.247	19.86	46.00	-26.14	9.61	9.70	0.22	0.33	Average
10	4.247	24.66	56.00	-31.34	14.41	9.70	0.22	0.33	QP
11	18.820	25.93	50.00	-24.07	15.01	9.83	0.64	0.45	Average
12	18.820	31.42	60.00	-28.58	20.50	9.83	0.64	0.45	QP

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB) + Aux (dB).
2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Emission Bandwidth

Within the 5.725-5.85 GHz and 5.85 ~ 5.895 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.2.1 Test Procedures

26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

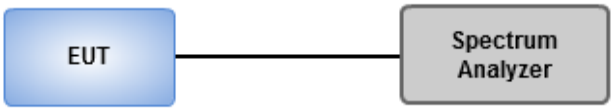
Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW ≥ 3 RBW.
3. Sample detection and single sweep mode shall be used.
4. Use the 99 % power bandwidth function of the instrument.

6dB Bandwidth

1. Set RBW = 100kHz, VBW = 300kHz.
2. Detector = Peak,Trace mode = max hold.
3. Allow the trace to stabilize.
4. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.2.2 Test Setup



3.2.3 Test Result of Emission Bandwidth

Ambient Condition	18°C / 68%	Tested By	Aska Huang

Non-beamforming mode

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	26.61M	17.451M	17M5D1D	21.39M	16.912M
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	29.01M	19.25M	19M2D1D	21.6M	19.1M
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	48.36M	38.261M	38M3D1D	40.5M	37.901M
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	96.48M	78.081M	78M1D1D	87.6M	77.961M
5.15-5.35GHz	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	165.04M	156.722M	157MD1D	164.8M	156.642M
5.47-5.725GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	36.69M	17.721M	17M7D1D	15.78M	13.568M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	38.13M	19.28M	19M3D1D	15.75M	14.528M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	73.08M	39.22M	39M2D1D	35.035M	33.758M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	90.72M	77.841M	77M8D1D	75.825M	73.463M
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA	164.4M	155.682M	156MD1D	163.44M	155.442M
5.725-5.895GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.38M	19.49M	19M5D1D	16.32M	17.031M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	18.99M	19.91M	19M9D1D	18.9M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	37.62M	47.796M	47M8D1D	37.26M	38.201M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	76.92M	80.6M	80M6D1D	76.56M	77.961M
5.725-5.85GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	3.16M	4.818M	4M82D1D	3.16M	4.818M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	4.52M	4.858M	4M86D1D	4.48M	4.758M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	3.88M	8.776M	8M78D1D	3.78M	4.198M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	3.76M	25.067M	25M1D1D	3.76M	22.329M

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 / Minimum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

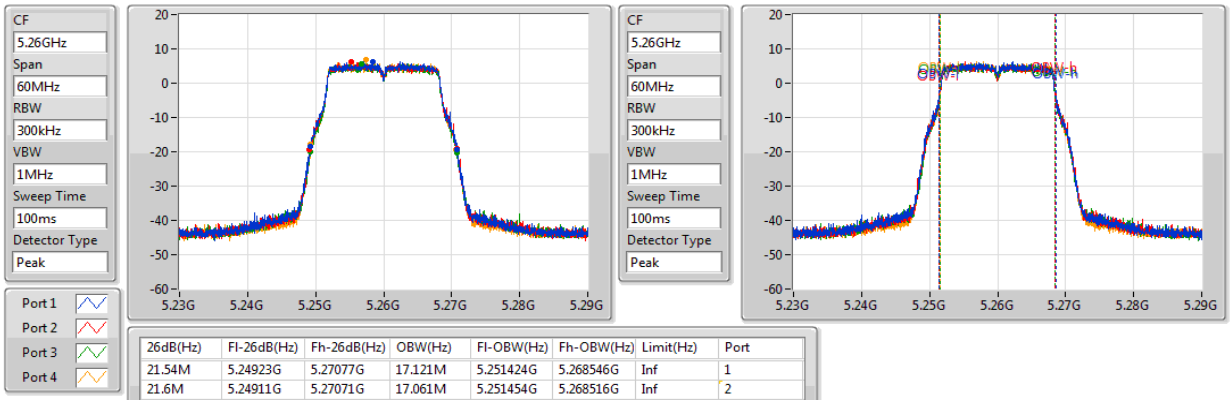
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11a_Nss1,(6Mbps)_4TX										
5260MHz	Pass	Inf	21.54M	17.121M	21.6M	17.061M	21.57M	16.942M	21.39M	16.912M
5300MHz	Pass	Inf	21.69M	17.121M	21.45M	17.091M	21.63M	16.972M	21.54M	16.942M
5320MHz	Pass	Inf	25.11M	17.451M	25.71M	17.421M	26.61M	17.391M	24.63M	17.361M
802.11a_Nss1,(6Mbps)_2TX										
5500MHz	Pass	Inf	21.57M	16.822M	21.45M	17.061M				
5580MHz	Pass	Inf	36.42M	17.331M	36.69M	17.721M				
5700MHz	Pass	Inf	21.48M	16.822M	21.51M	17.061M				
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.93M	13.568M	15.78M	13.598M				
5720MHz Straddle 5.725-5.85GHz	Pass	500k	3.16M	4.818M	3.16M	4.818M				
5845MHz-traddle 5.725-5.895GHz	Pass	500k	16.38M	17.181M	16.32M	19.49M				
5865MHz	Pass	500k	16.38M	17.091M	16.32M	18.981M				
5885MHz	Pass	500k	16.32M	17.031M	16.32M	18.621M				
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA										
5260MHz	Pass	Inf	21.93M	19.13M	21.69M	19.13M	21.72M	19.13M	21.6M	19.13M
5300MHz	Pass	Inf	21.81M	19.13M	21.63M	19.1M	21.63M	19.13M	21.69M	19.1M
5320MHz	Pass	Inf	28.41M	19.22M	27.81M	19.22M	29.01M	19.25M	27.72M	19.22M
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	Inf	21.33M	19.01M	21.66M	19.07M				
5580MHz	Pass	Inf	32.19M	19.19M	38.13M	19.28M				
5700MHz	Pass	Inf	21.45M	19.04M	21.63M	19.07M				
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.75M	14.528M	17.01M	14.558M				
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.48M	4.758M	4.52M	4.858M				
5845MHz-traddle 5.725-5.895GHz	Pass	500k	18.96M	19.13M	18.96M	19.91M				
5865MHz	Pass	500k	18.9M	19.07M	18.96M	19.67M				
5885MHz	Pass	500k	18.93M	19.07M	18.99M	19.46M				
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	Inf	40.8M	37.901M	40.62M	37.901M	40.5M	37.961M	40.68M	37.961M
5310MHz	Pass	Inf	45.96M	38.261M	48.36M	38.201M	47.04M	38.201M	44.76M	38.201M
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	Inf	39.9M	37.661M	40.08M	37.721M				
5590MHz	Pass	Inf	51.48M	38.081M	73.08M	39.22M				
5670MHz	Pass	Inf	40.08M	37.721M	40.08M	37.781M				
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.035M	33.758M	35.315M	33.828M				
5710MHz Straddle	Pass	500k	3.78M	4.198M	3.88M	8.776M				

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)
5.725-5.85GHz										
5835MHz-traddle 5.725-5.895GHz	Pass	500k	37.26M	38.561M	37.44M	47.796M				
5875MHz	Pass	500k	37.62M	38.201M	37.5M	40.18M				
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	Inf	90.84M	78.081M	96.48M	78.081M	94.32M	78.081M	87.6M	77.961M
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	Inf	81.24M	77.121M	81.48M	77.361M				
5610MHz	Pass	Inf	81.36M	77.481M	90.72M	77.841M				
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.825M	73.463M	75.825M	73.463M				
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.76M	22.329M	3.76M	25.067M				
5855MHz-traddle 5.725-5.895GHz	Pass	500k	76.92M	77.961M	76.56M	80.6M				
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA										
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	82.08M	78.281M	82M	78.281M	82.4M	78.121M	82.32M	78.201M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.72M	78.361M	83.04M	78.441M	82.48M	78.521M	82.56M	78.441M
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	Inf	163.44M	155.442M	164.4M	155.682M				

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

802.11a_Nss1,(6Mbps)_4TX **EBW**

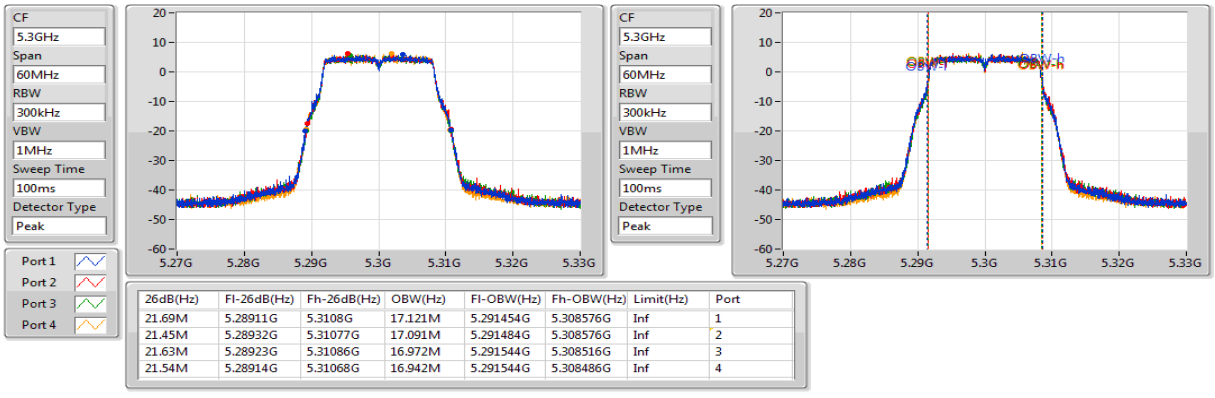
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.54M	5.24923G	5.27077G	17.121M	5.251424G	5.268546G	Inf	1
21.6M	5.24911G	5.27071G	17.061M	5.251454G	5.268516G	Inf	2
21.57M	5.24917G	5.27074G	16.942M	5.251544G	5.268486G	Inf	3
21.39M	5.24926G	5.27065G	16.912M	5.251544G	5.268456G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

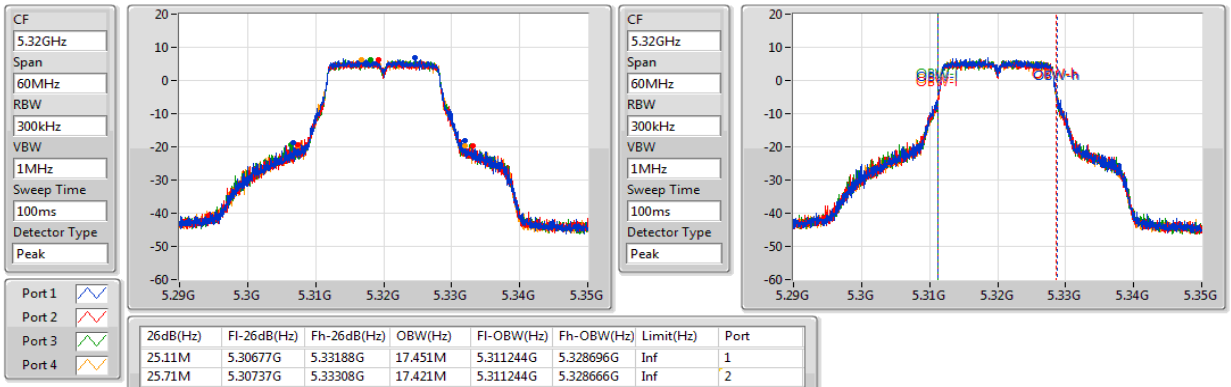
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.69M	5.28911G	5.3108G	17.121M	5.291454G	5.308576G	Inf	1
21.45M	5.28932G	5.31077G	17.091M	5.291484G	5.308576G	Inf	2
21.63M	5.28923G	5.31086G	16.972M	5.291544G	5.308516G	Inf	3
21.54M	5.28914G	5.31068G	16.942M	5.291544G	5.308486G	Inf	4

802.11a_Nss1,(6Mbps)_4TX **EBW**

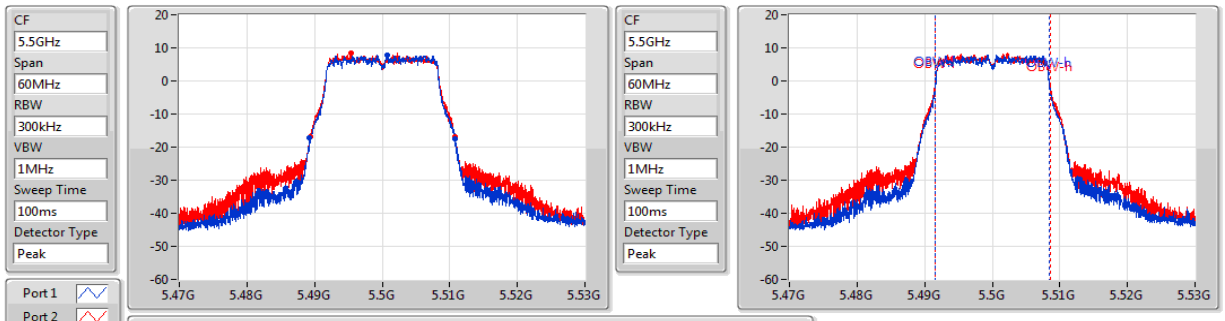
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.11M	5.30677G	5.33188G	17.451M	5.311244G	5.328696G	Inf	1
25.71M	5.30737G	5.33308G	17.421M	5.311244G	5.328666G	Inf	2
26.61M	5.30635G	5.33296G	17.391M	5.311304G	5.328696G	Inf	3
24.63M	5.3074G	5.33203G	17.361M	5.311274G	5.328636G	Inf	4

802.11a_Nss1,(6Mbps)_2TX **EBW**

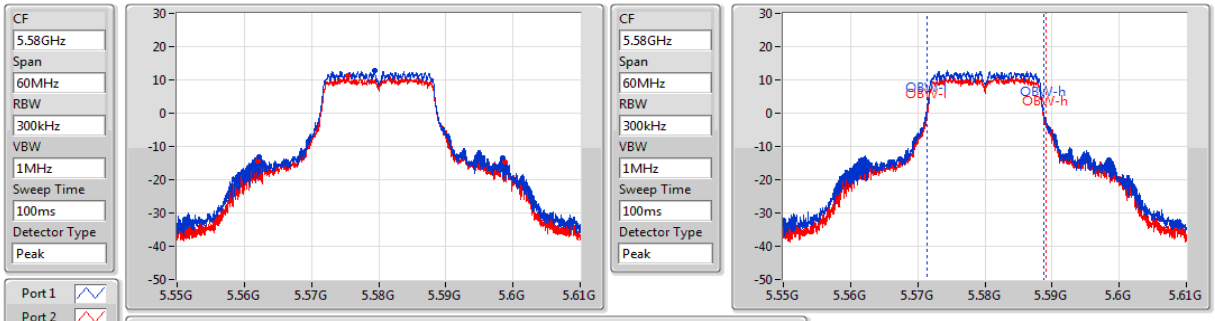
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.57M	5.48926G	5.51083G	16.822M	5.491634G	5.508456G	Inf	1
21.45M	5.48932G	5.51077G	17.061M	5.491544G	5.508606G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

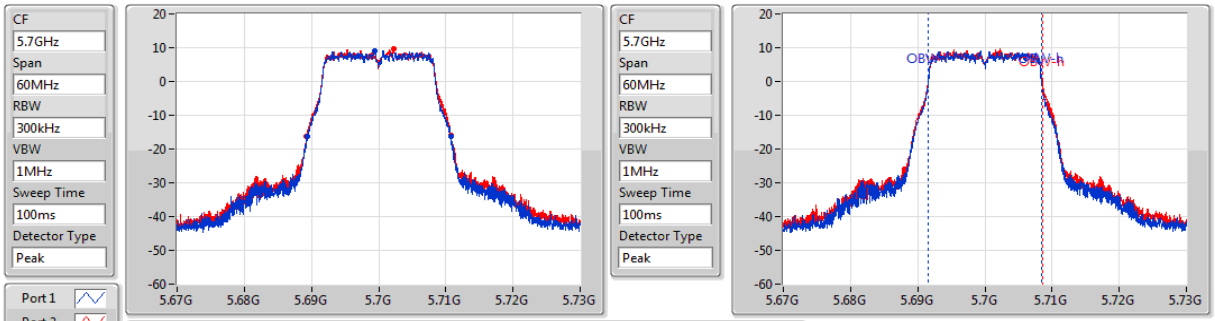
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.42M	5.56212G	5.59854G	17.331M	5.571394G	5.588726G	Inf	1
36.69M	5.56203G	5.59872G	17.721M	5.571334G	5.589055G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

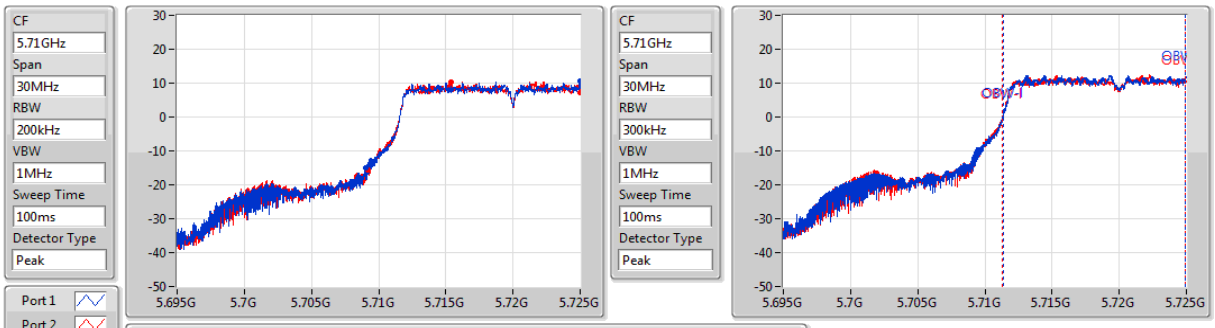
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.68935G	5.71083G	16.822M	5.691604G	5.708426G	Inf	1
21.51M	5.68926G	5.71077G	17.061M	5.691544G	5.708606G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

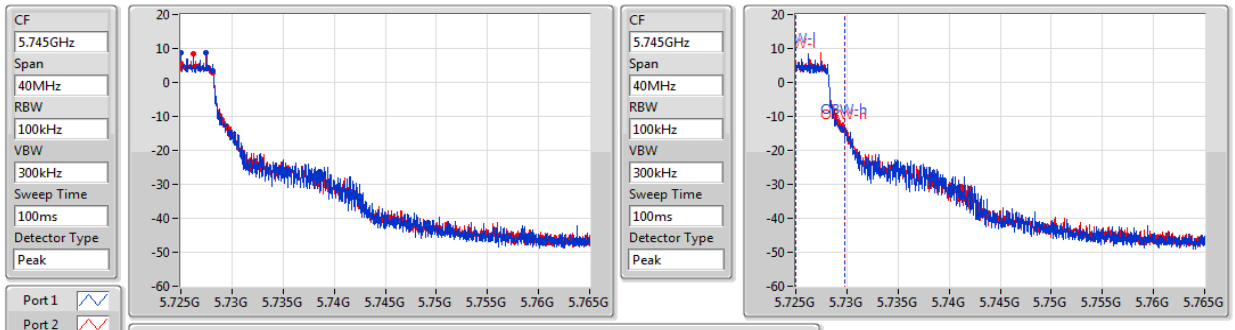
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.93M	5.70907G	5.725G	13.568M	5.711379G	5.724948G	Inf	1
15.78M	5.70922G	5.725G	13.598M	5.711334G	5.724933G	Inf	2

802.11a_Nss1,(6Mbps)_2TX **EBW**

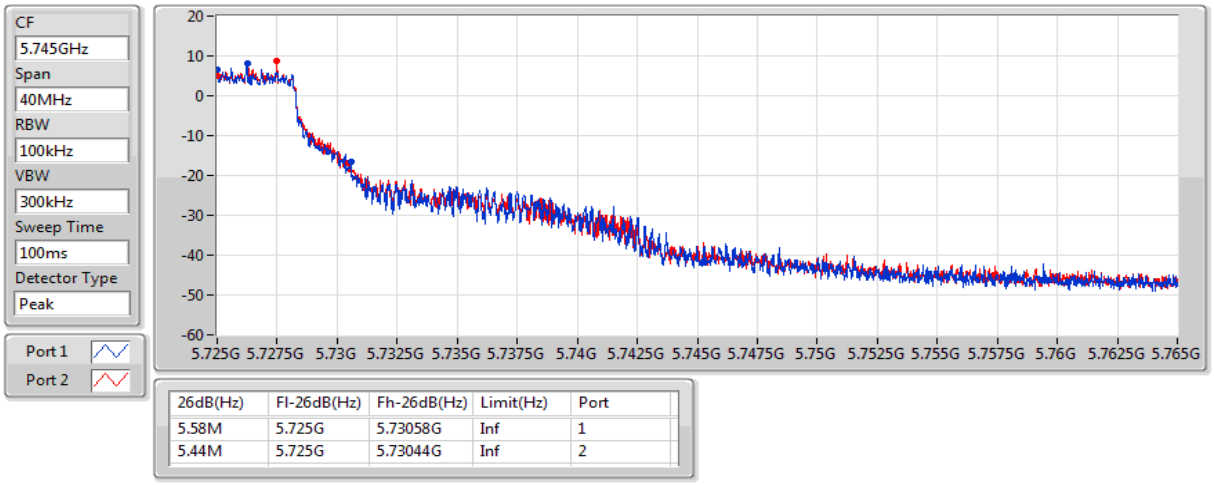
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.16M	5.725G	5.72816G	4.818M	5.72501G	5.729828G	500k	1
3.16M	5.725G	5.72816G	4.818M	5.72501G	5.729828G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

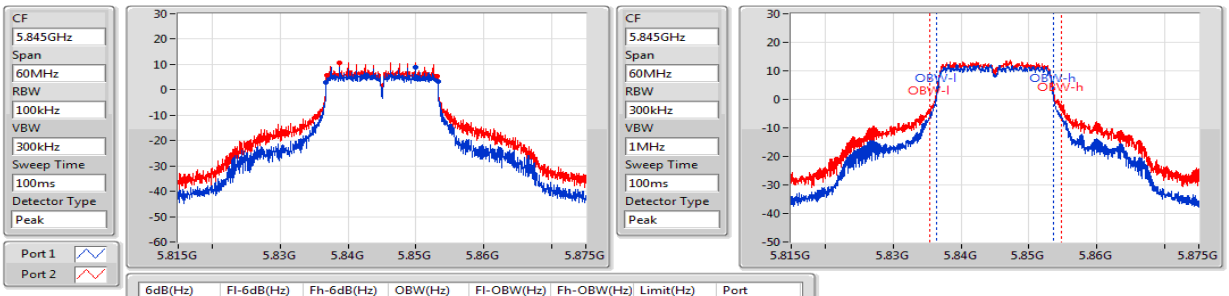
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.58M	5.725G	5.73058G	Inf	1
5.44M	5.725G	5.73044G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

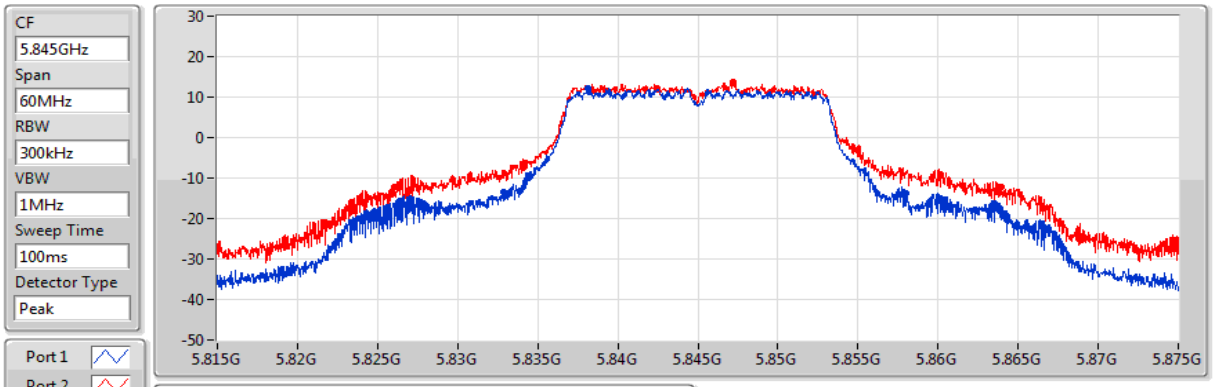
5845MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.83681G	5.85319G	17.181M	5.836394G	5.853576G	500k	1
16.32M	5.83684G	5.85316G	19.49M	5.835345G	5.854835G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

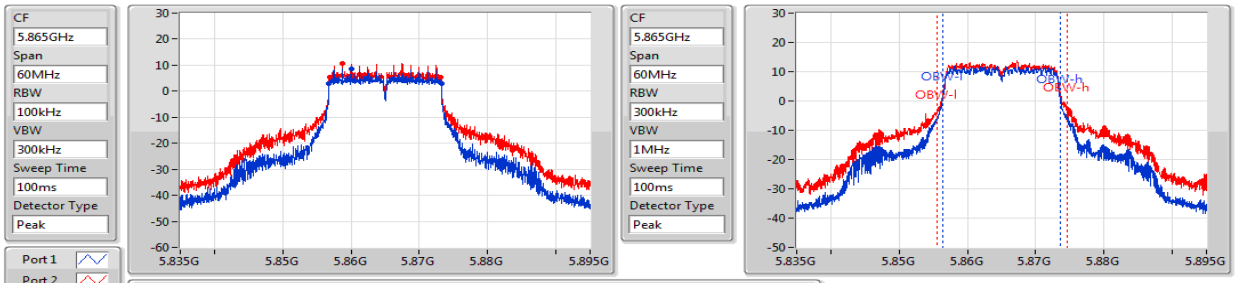
5845MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
25.05M	5.83291G	5.85796G	Inf	1
37.89M	5.82604G	5.86393G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

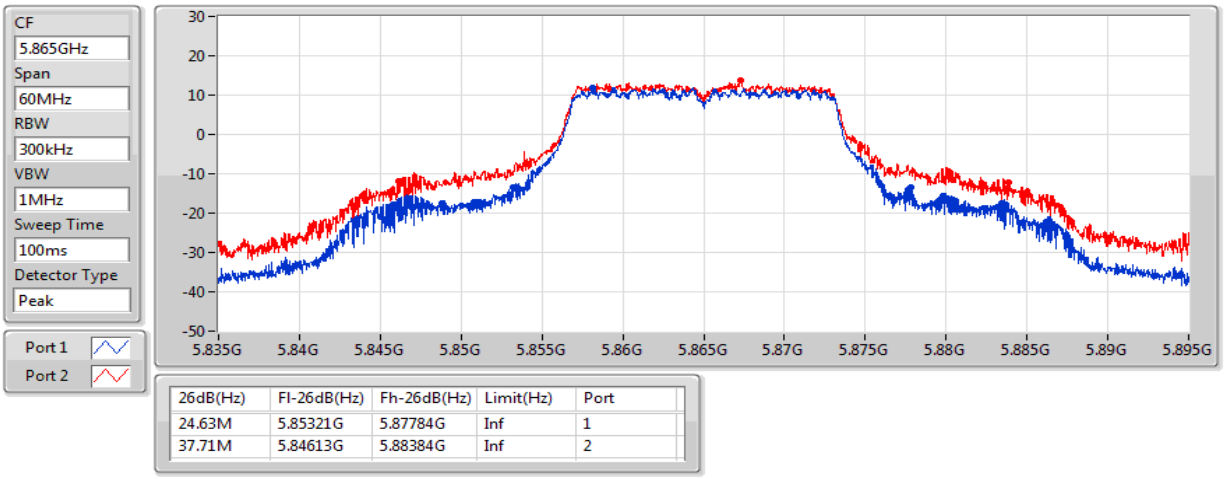
5865MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.38M	5.85681G	5.87319G	17.091M	5.856454G	5.873546G	500k	1
16.32M	5.85684G	5.87316G	18.981M	5.855615G	5.874595G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

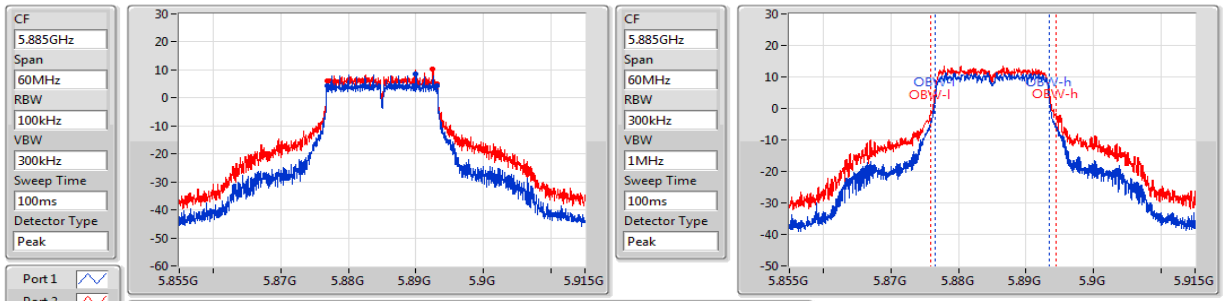
5865MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
24.63M	5.85321G	5.87784G	Inf	1
37.71M	5.84613G	5.88384G	Inf	2

802.11a_Nss1,(6Mbps)_2TX EBW

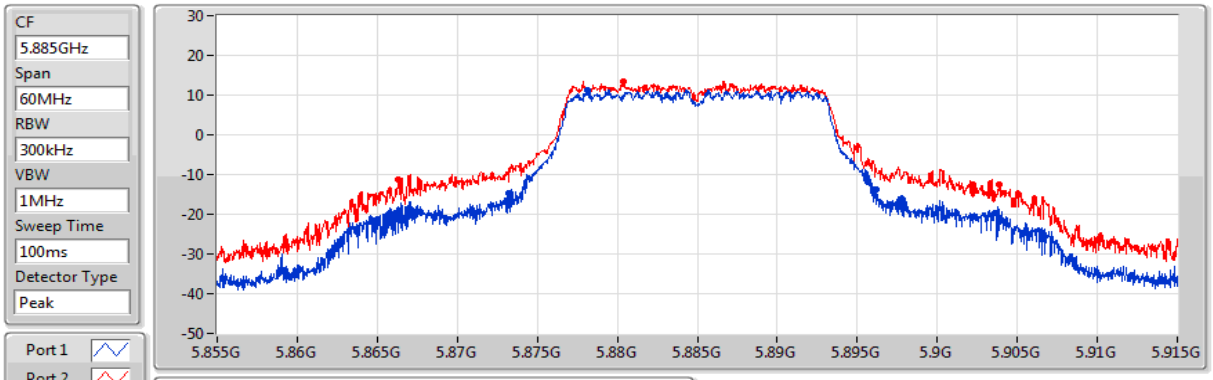
5885MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.32M	5.87684G	5.89316G	17.031M	5.876484G	5.893516G	500k	1
16.32M	5.87684G	5.89316G	18.621M	5.875825G	5.894445G	500k	2

802.11a_Nss1,(6Mbps)_2TX EBW

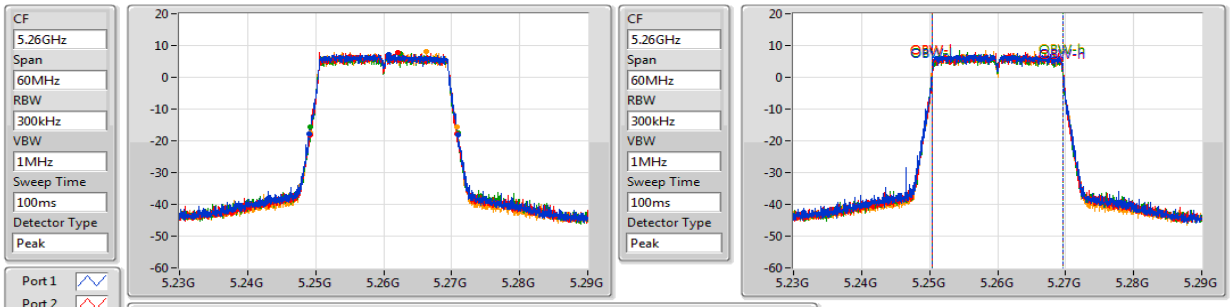
5885MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.98M	5.87324G	5.89622G	Inf	1
37.59M	5.86631G	5.9039G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_4TX EBW

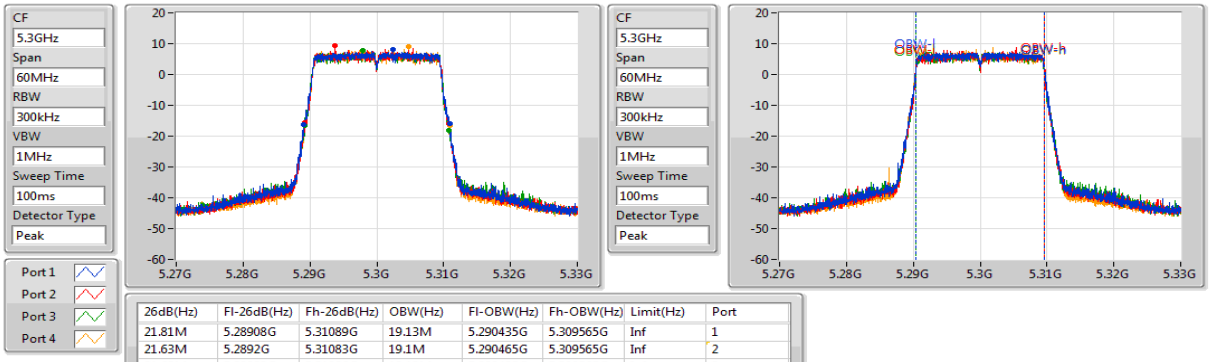
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	5.24902G	5.27095G	19.13M	5.250435G	5.269565G	Inf	1
21.69M	5.24914G	5.27083G	19.13M	5.250465G	5.269595G	Inf	2
21.72M	5.24917G	5.27089G	19.13M	5.250435G	5.269565G	Inf	3
21.6M	5.24914G	5.27074G	19.13M	5.250435G	5.269565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

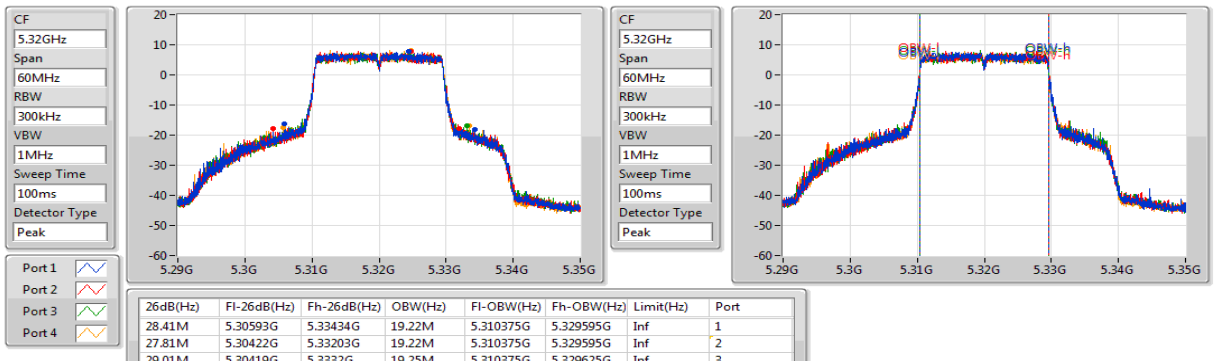
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.81M	5.28908G	5.31089G	19.13M	5.290435G	5.309565G	Inf	1
21.63M	5.2892G	5.31083G	19.1M	5.290465G	5.309565G	Inf	2
21.63M	5.28923G	5.31086G	19.13M	5.290435G	5.309565G	Inf	3
21.69M	5.2892G	5.31089G	19.1M	5.290465G	5.309565G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_4TX **EBW**

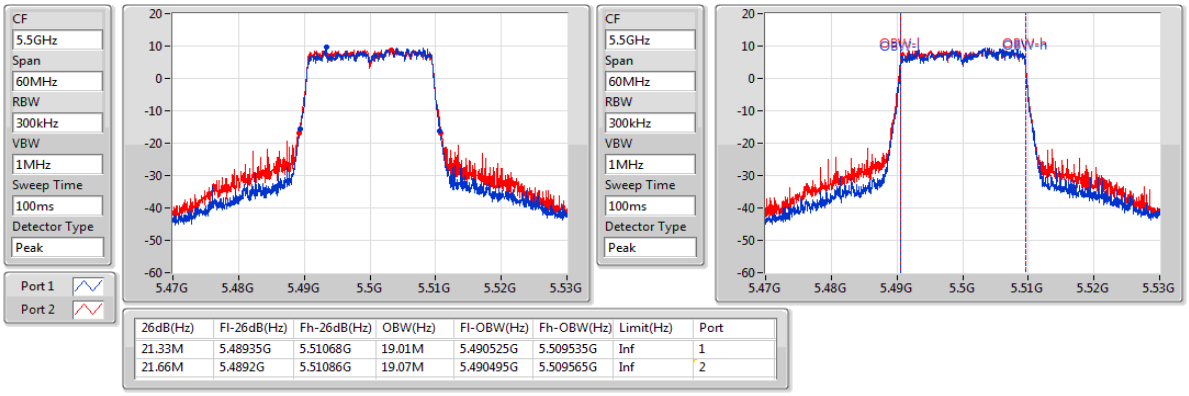
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.41M	5.30593G	5.33434G	19.22M	5.310375G	5.329595G	Inf	1
27.81M	5.30422G	5.33203G	19.22M	5.310375G	5.329595G	Inf	2
29.01M	5.30419G	5.3332G	19.25M	5.310375G	5.329625G	Inf	3
27.72M	5.30569G	5.33341G	19.22M	5.310375G	5.329595G	Inf	4

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

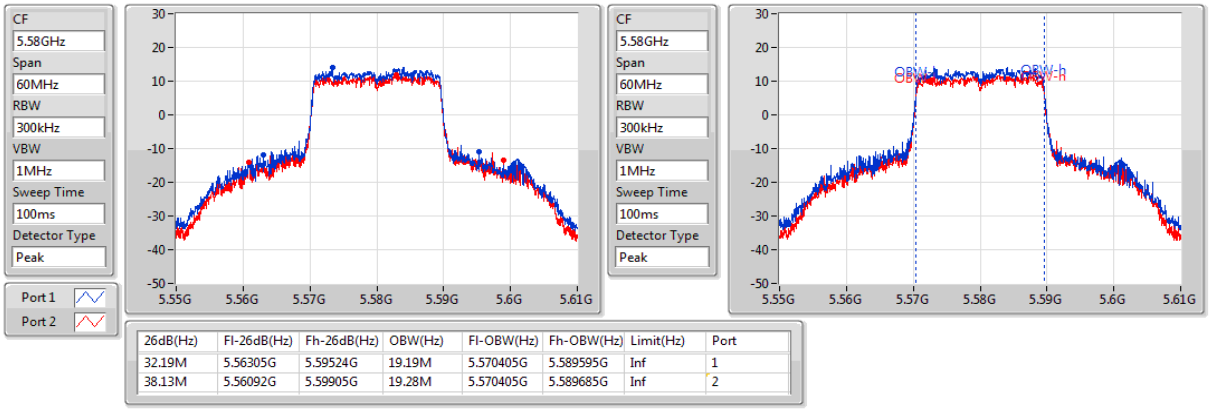
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.33M	5.48935G	5.51068G	19.01M	5.490525G	5.509535G	Inf	1
21.66M	5.4892G	5.51086G	19.07M	5.490495G	5.509565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

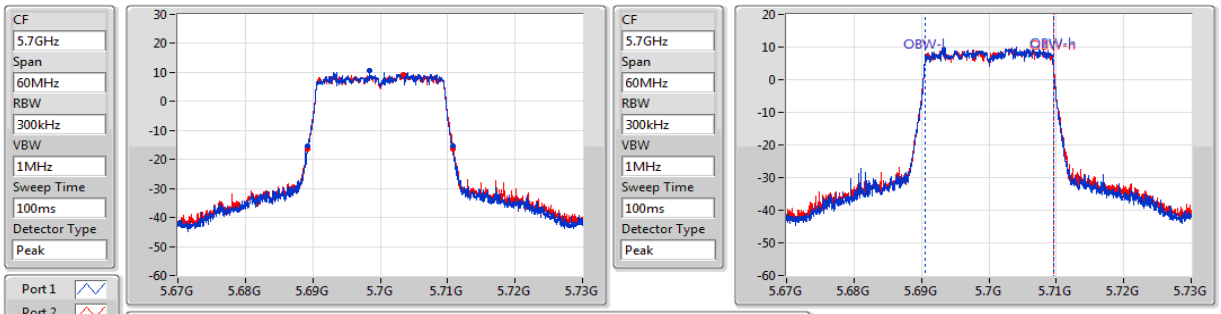
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.19M	5.56305G	5.59524G	19.19M	5.570405G	5.589595G	Inf	1
38.13M	5.56092G	5.59905G	19.28M	5.570405G	5.589685G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

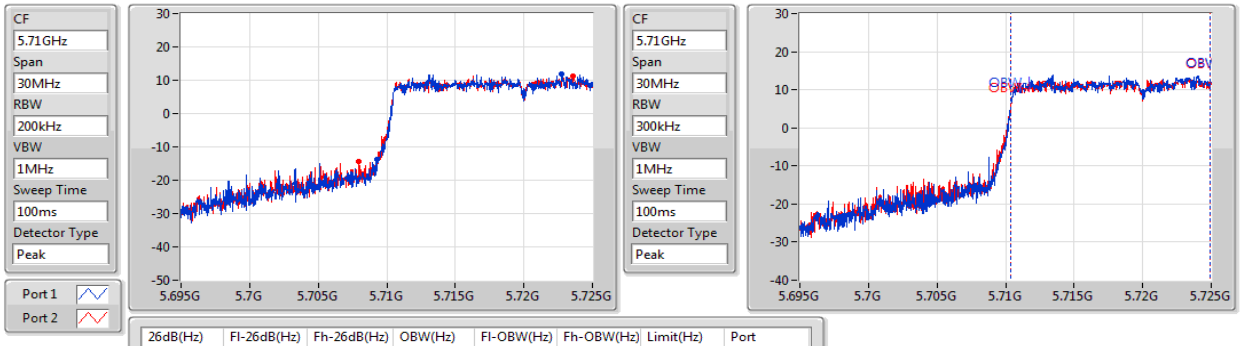
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.45M	5.68929G	5.71074G	19.04M	5.690495G	5.709535G	Inf	1
21.63M	5.68923G	5.71086G	19.07M	5.690495G	5.709565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

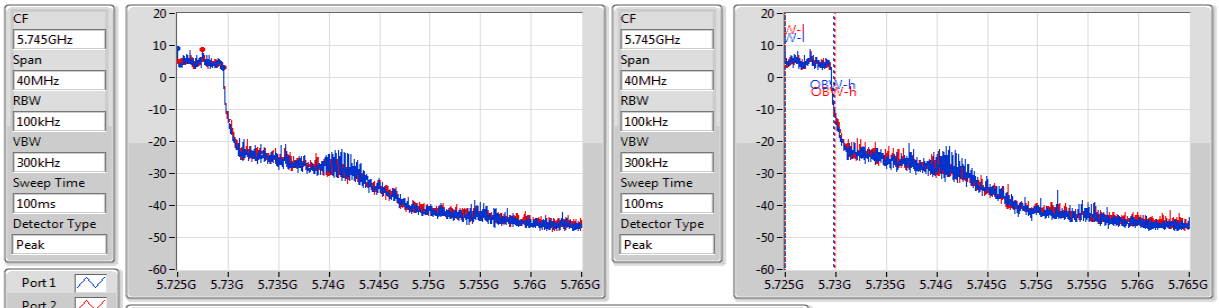
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.75M	5.70925G	5.725G	14.528M	5.710405G	5.724933G	Inf	1
17.01M	5.70799G	5.725G	14.558M	5.710375G	5.724933G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

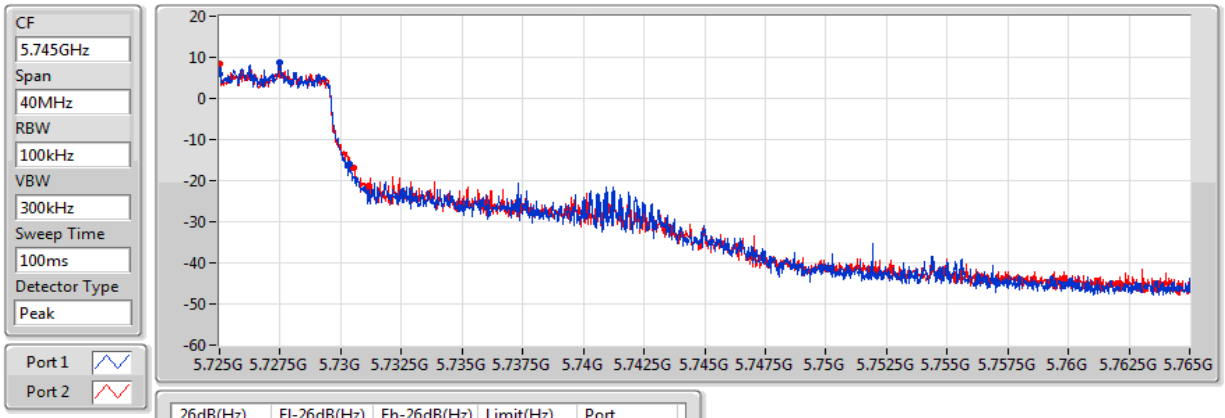
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.48M	5.725G	5.72948G	4.758M	5.72501G	5.729768G	500k	1
4.52M	5.725G	5.72952G	4.858M	5.72501G	5.729868G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

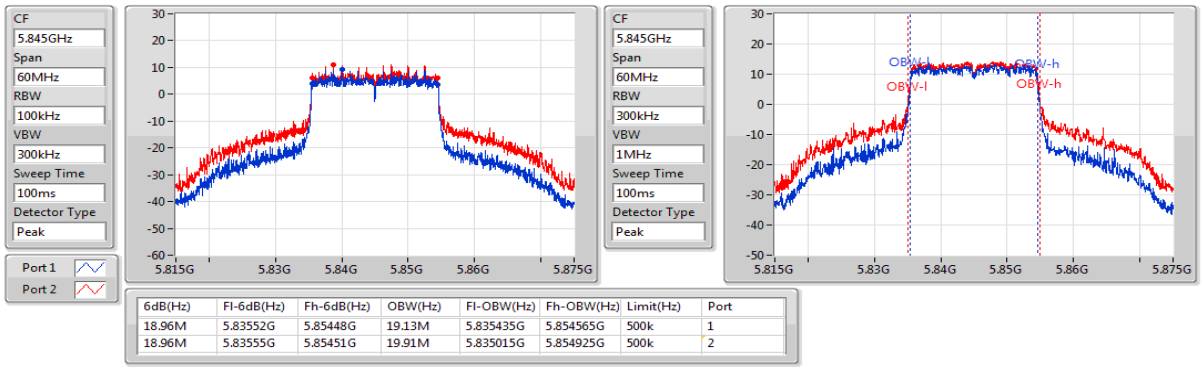
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.38M	5.725G	5.73038G	Inf	1
5.5M	5.725G	5.7305G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

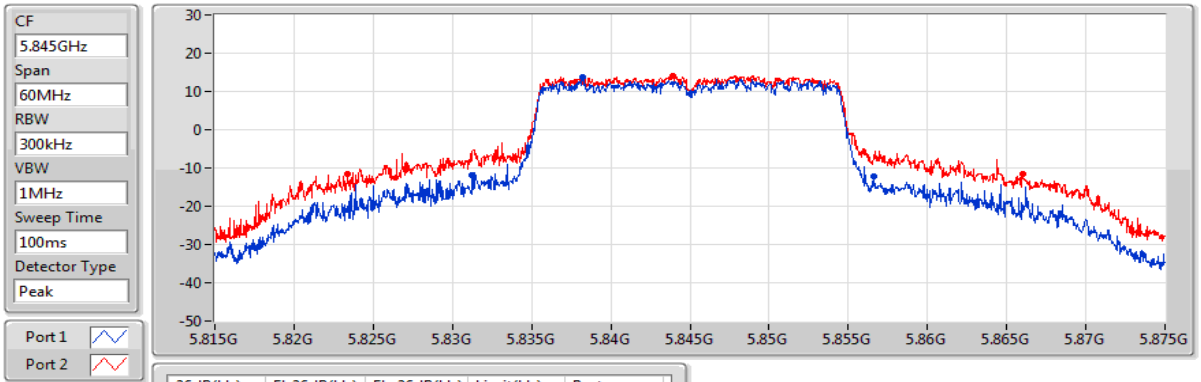
5845MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.96M	5.83552G	5.85448G	19.13M	5.835435G	5.854565G	500k	1
18.96M	5.83555G	5.85451G	19.91M	5.835015G	5.854925G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

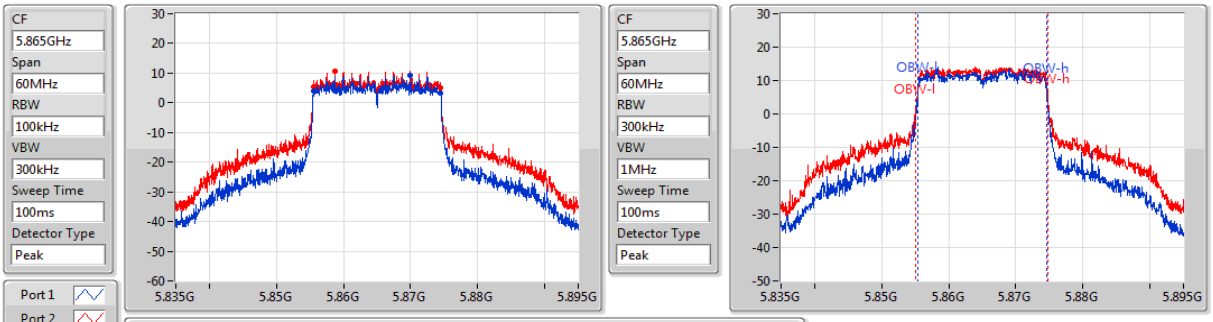
5845MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
25.38M	5.83126G	5.85664G	Inf	1
42.66M	5.82337G	5.86603G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

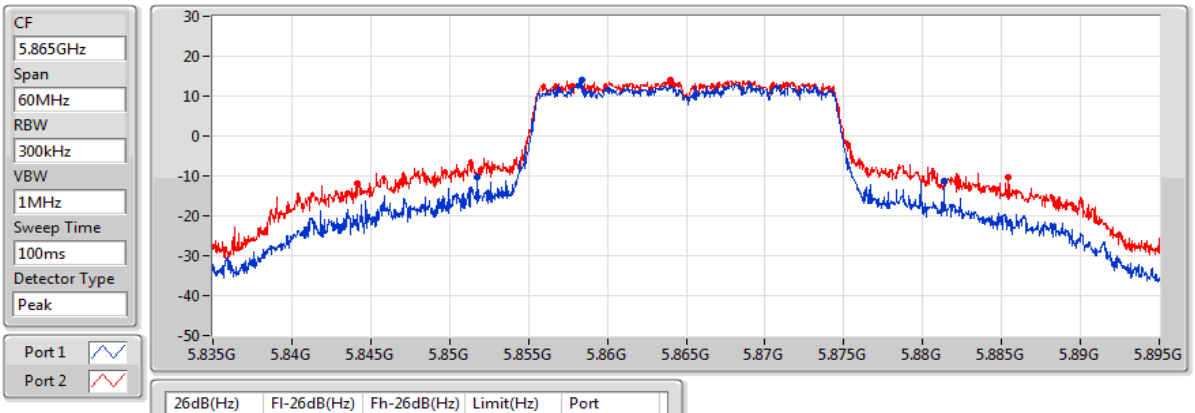
5865MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	5.85555G	5.87445G	19.07M	5.855465G	5.874535G	500k	1
18.96M	5.85555G	5.87451G	19.67M	5.855135G	5.874805G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

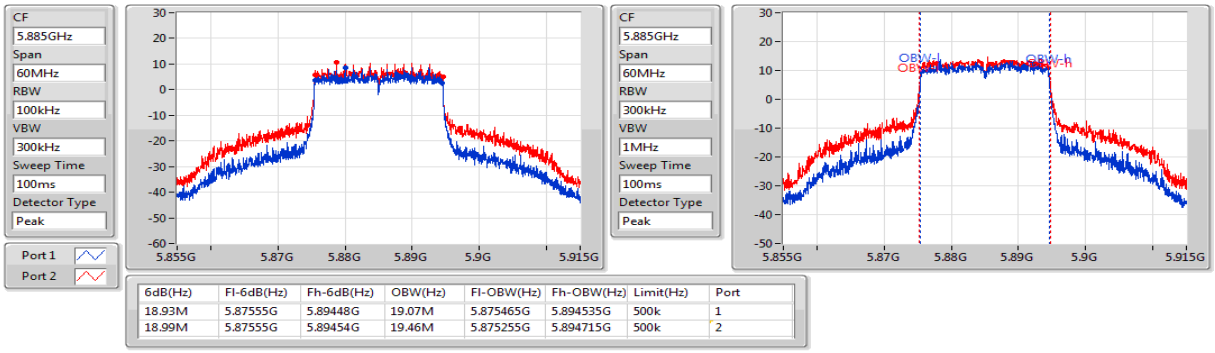
5865MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
29.58M	5.85177G	5.88135G	Inf	1
41.34M	5.84412G	5.88546G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

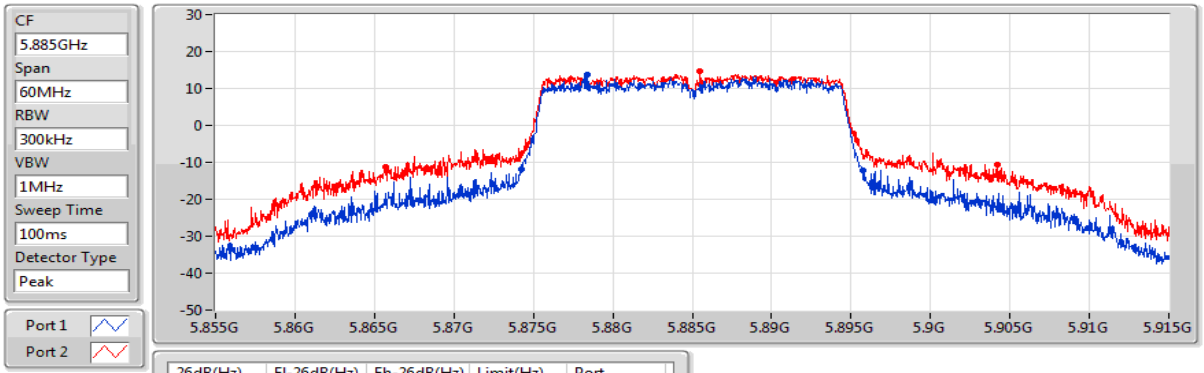
5885MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.93M	5.87555G	5.89448G	19.07M	5.875465G	5.894535G	500k	1
18.99M	5.87555G	5.89454G	19.46M	5.875255G	5.894715G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

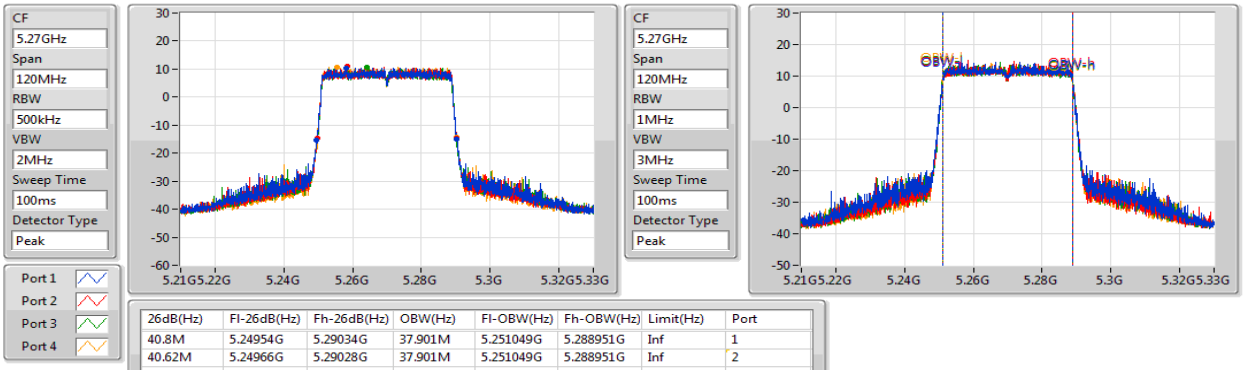
5885MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
21.48M	5.87426G	5.89574G	Inf	1
38.46M	5.86571G	5.90417G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

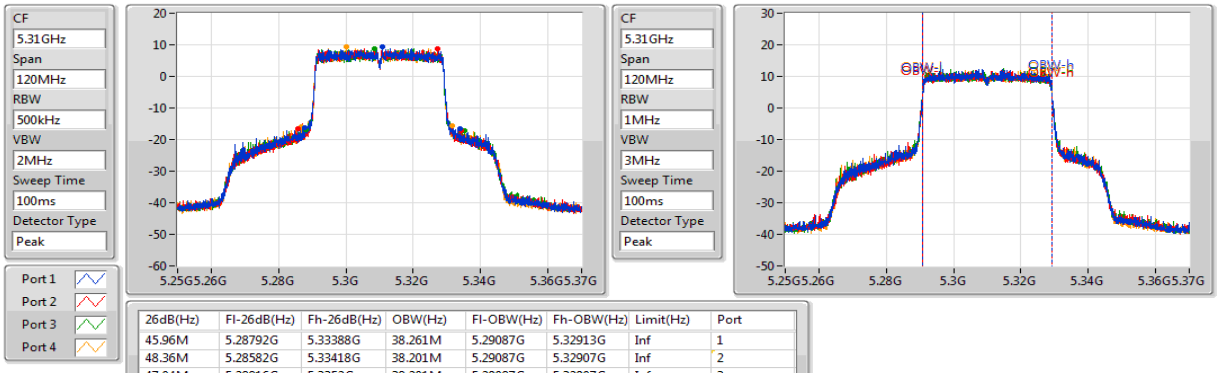
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.8M	5.24954G	5.29034G	37.901M	5.251049G	5.288951G	Inf	1
40.62M	5.24966G	5.29028G	37.901M	5.251049G	5.288951G	Inf	2
40.5M	5.24972G	5.29022G	37.961M	5.25099G	5.288951G	Inf	3
40.68M	5.24954G	5.29022G	37.961M	5.25099G	5.288951G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_4TX **EBW**

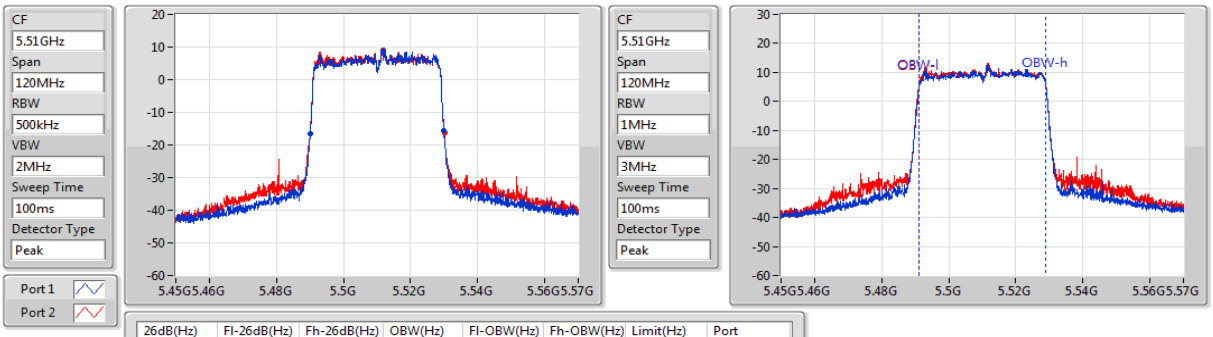
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.96M	5.28792G	5.33388G	38.261M	5.29087G	5.32913G	Inf	1
48.36M	5.28582G	5.33418G	38.201M	5.29087G	5.32907G	Inf	2
47.04M	5.28816G	5.3352G	38.201M	5.29087G	5.32907G	Inf	3
44.76M	5.28666G	5.33142G	38.201M	5.29087G	5.32907G	Inf	4

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

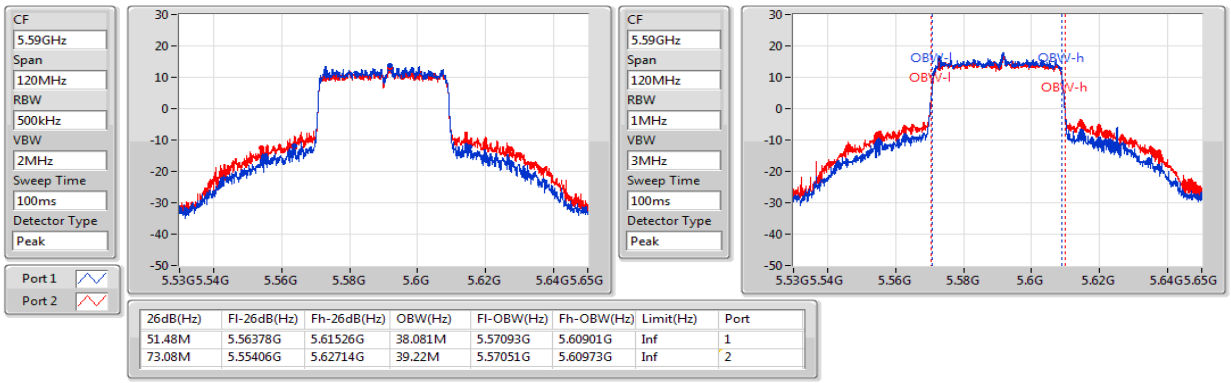
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.9M	5.49008G	5.52998G	37.661M	5.491229G	5.528891G	Inf	1
40.08M	5.49002G	5.5301G	37.721M	5.491169G	5.528891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX EBW

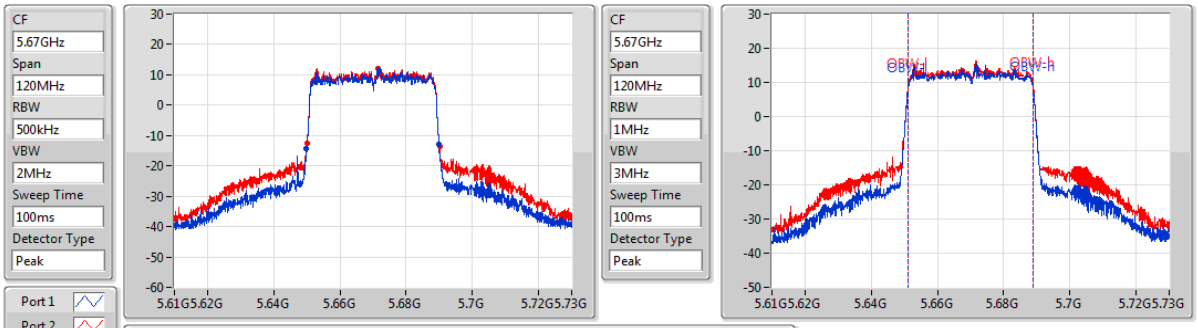
5590MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
51.48M	5.56378G	5.61526G	38.081M	5.57093G	5.60901G	Inf	1
73.08M	5.55406G	5.62714G	39.22M	5.57051G	5.60973G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

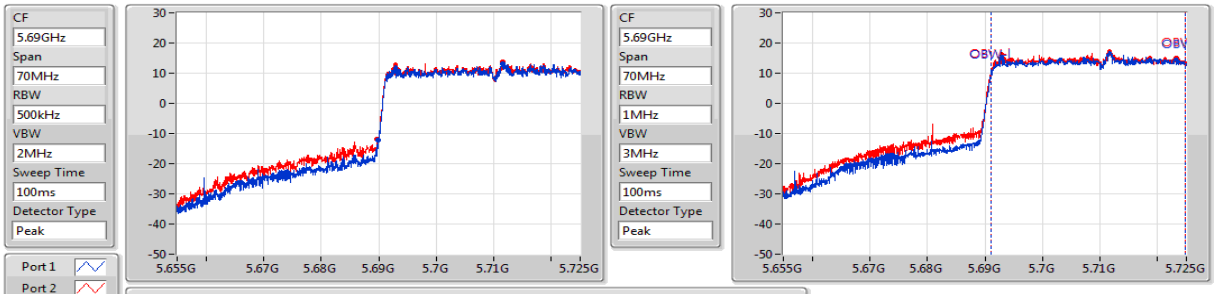
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.6499G	5.68998G	37.721M	5.651169G	5.688891G	Inf	1
40.08M	5.65002G	5.6901G	37.781M	5.651109G	5.688891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

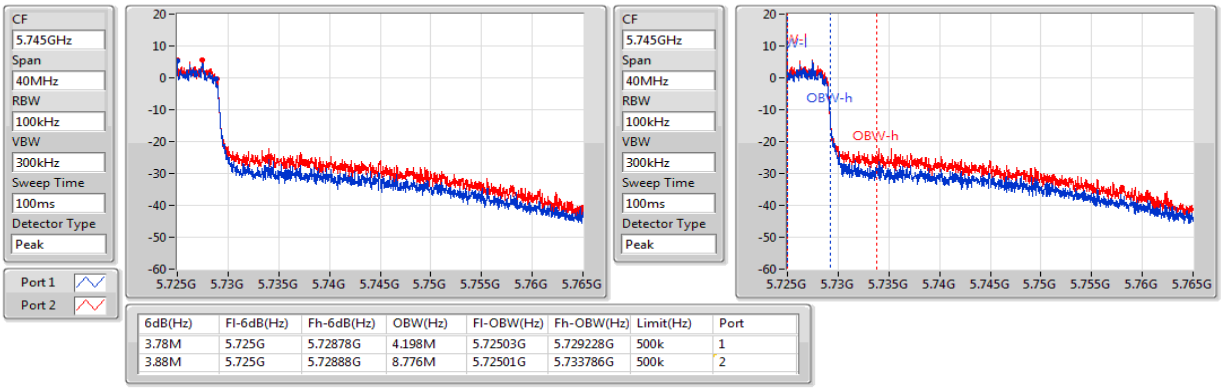
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.035M	5.689965G	5.725G	33.758M	5.691049G	5.724808G	Inf	1
35.315M	5.689685G	5.725G	33.828M	5.69098G	5.724808G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

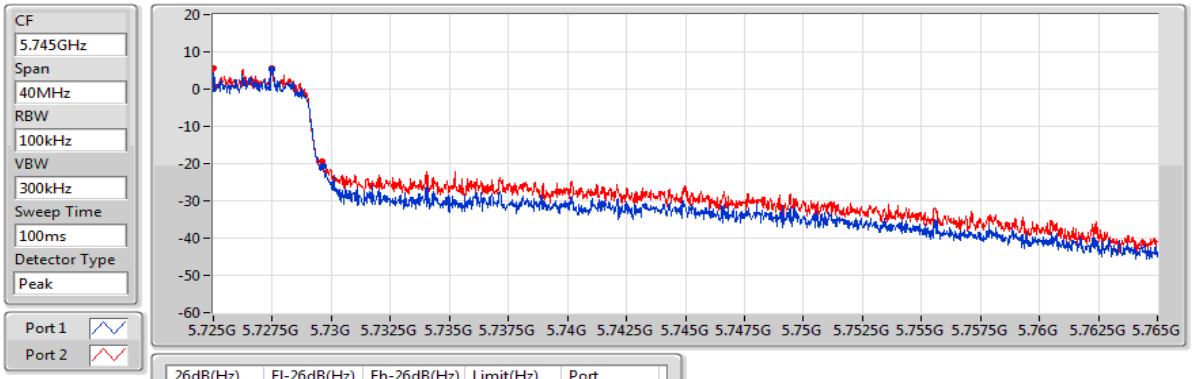
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.78M	5.725G	5.72878G	4.198M	5.72503G	5.729228G	500k	1
3.88M	5.725G	5.72888G	8.776M	5.72501G	5.733786G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

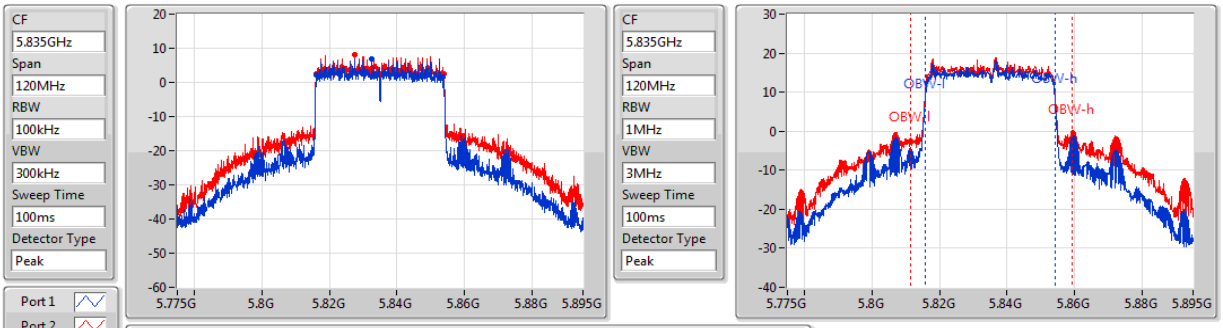
5710MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.64M	5.725G	5.72964G	Inf	1
4.62M	5.725G	5.72962G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

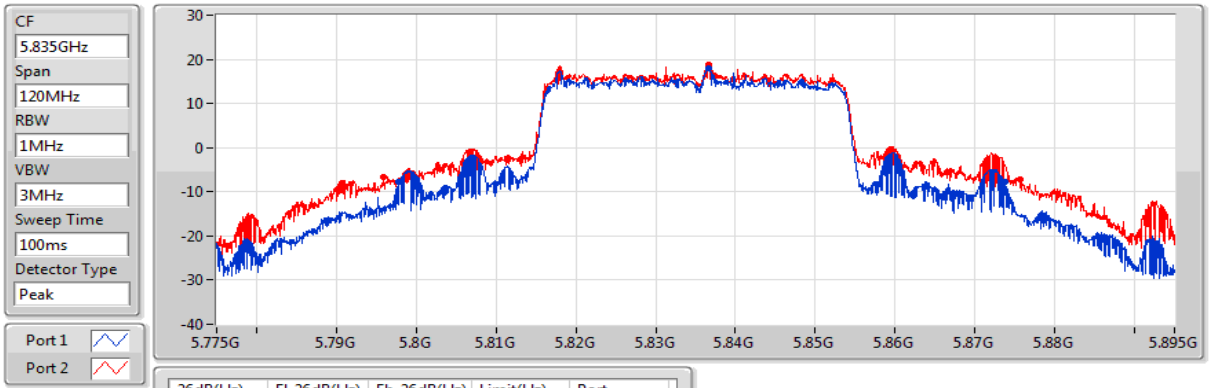
5835MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.26M	5.81622G	5.85348G	38.561M	5.81563G	5.85419G	500k	1
37.44M	5.81628G	5.85372G	47.796M	5.811312G	5.859108G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

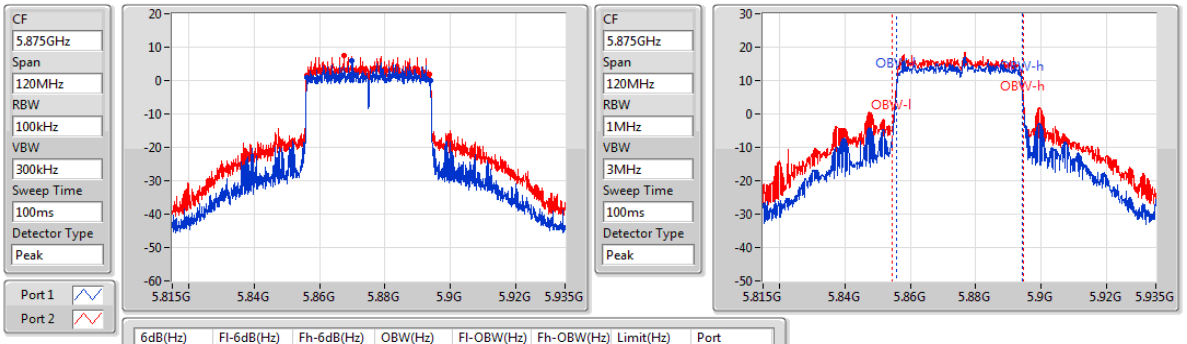
5835MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
75.84M	5.79786G	5.8737G	Inf	1
79.68M	5.79594G	5.87562G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

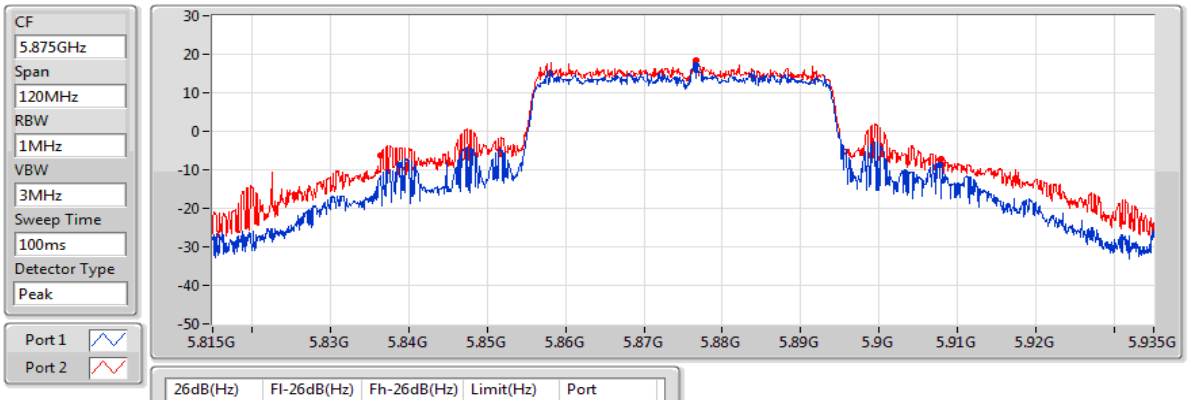
5875MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.62M	5.85616G	5.89378G	38.201M	5.85587G	5.89407G	500k	1
37.5M	5.85616G	5.89366G	40.18M	5.85449G	5.89467G	500k	2

802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

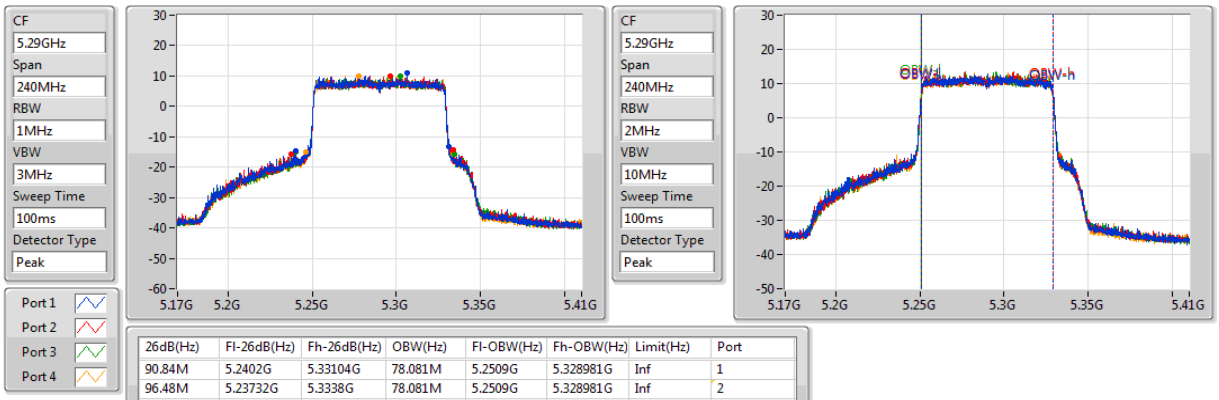
5875MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
68.94M	5.83876G	5.9077G	Inf	1
71.52M	5.83642G	5.90794G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_4TX **EBW**

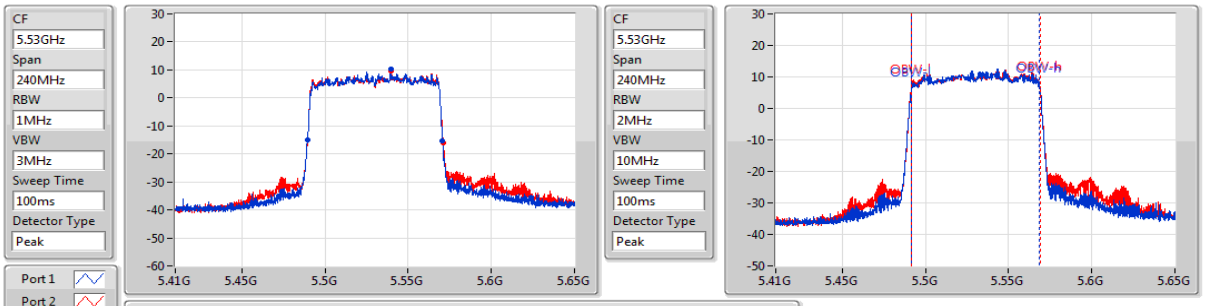
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
90.84M	5.2402G	5.33104G	78.081M	5.2509G	5.328981G	Inf	1
96.48M	5.23732G	5.3338G	78.081M	5.2509G	5.328981G	Inf	2
94.32M	5.2402G	5.33452G	78.081M	5.2509G	5.328981G	Inf	3
87.6M	5.24632G	5.33392G	77.961M	5.2509G	5.328861G	Inf	4

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

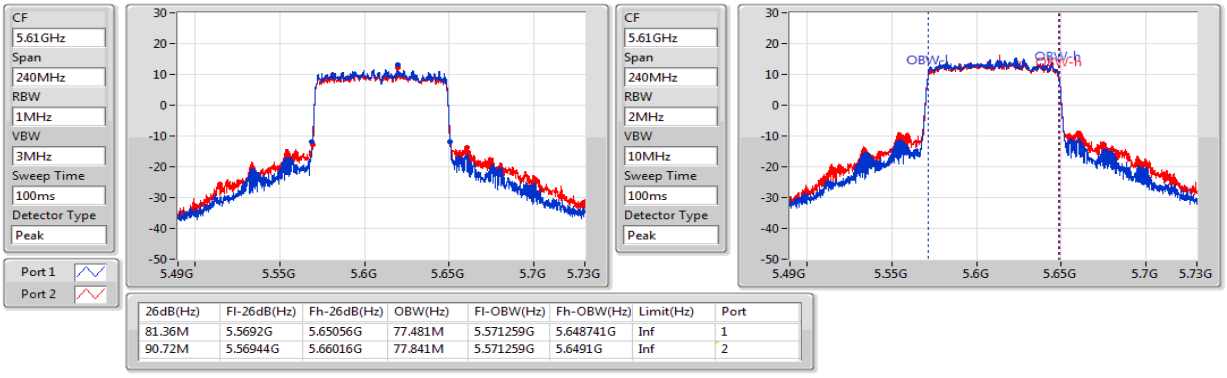
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.48944G	5.57068G	77.121M	5.491619G	5.568741G	Inf	1
81.48M	5.48956G	5.57104G	77.361M	5.491499G	5.568861G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

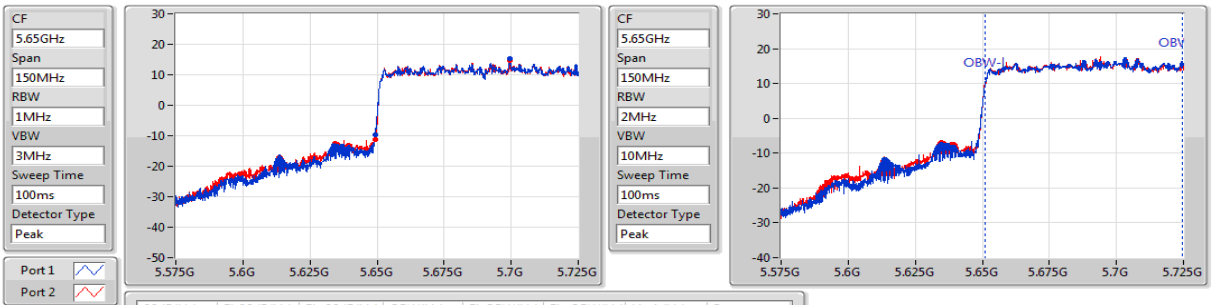
5610MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.5692G	5.65056G	77.481M	5.571259G	5.648741G	Inf	1
90.72M	5.56944G	5.66016G	77.841M	5.571259G	5.6491G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

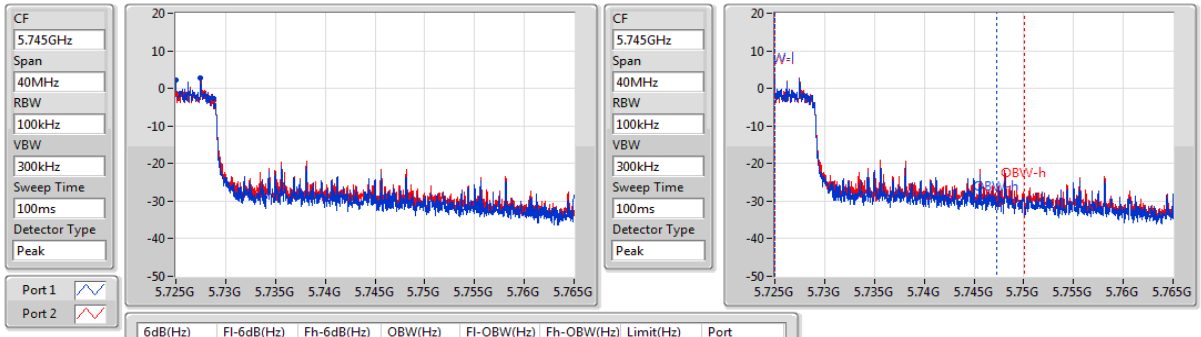
5690MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.825M	5.649175G	5.725G	73.463M	5.651199G	5.724663G	Inf	1
75.825M	5.649175G	5.725G	73.463M	5.651124G	5.724588G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

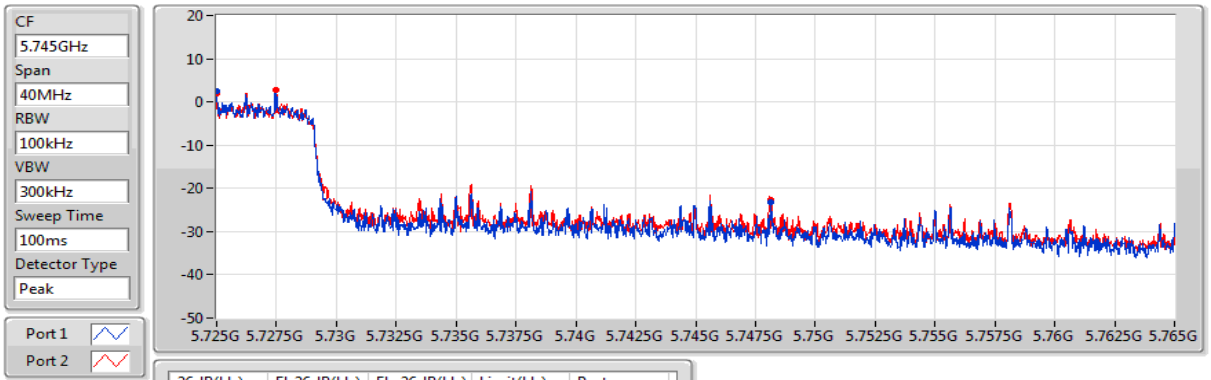
5690MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.76M	5.725G	5.72876G	22.329M	5.72501G	5.747339G	500k	1
3.76M	5.725G	5.72876G	25.067M	5.72501G	5.750077G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

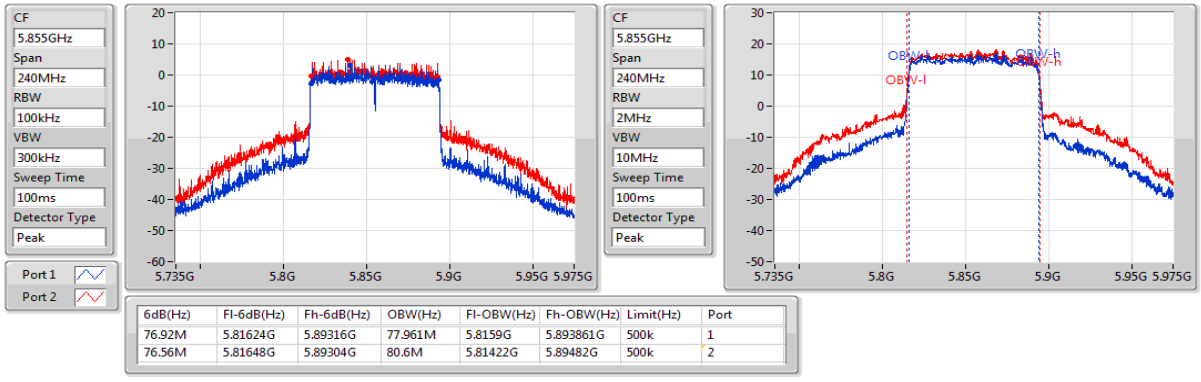
5690MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
23.14M	5.725G	5.74814G	Inf	1
23.16M	5.725G	5.74816G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

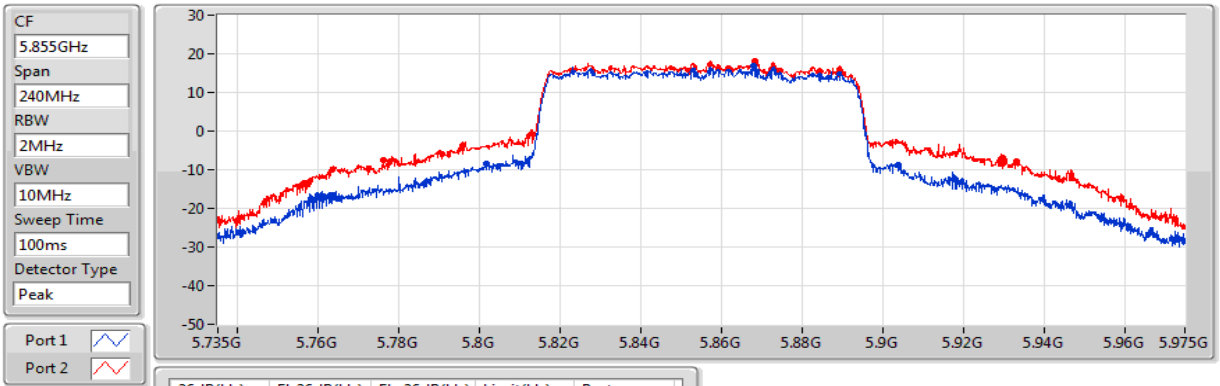
5855MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
76.92M	5.81624G	5.89316G	77.961M	5.8159G	5.893861G	500k	1
76.56M	5.81648G	5.89304G	80.6M	5.81422G	5.89482G	500k	2

802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

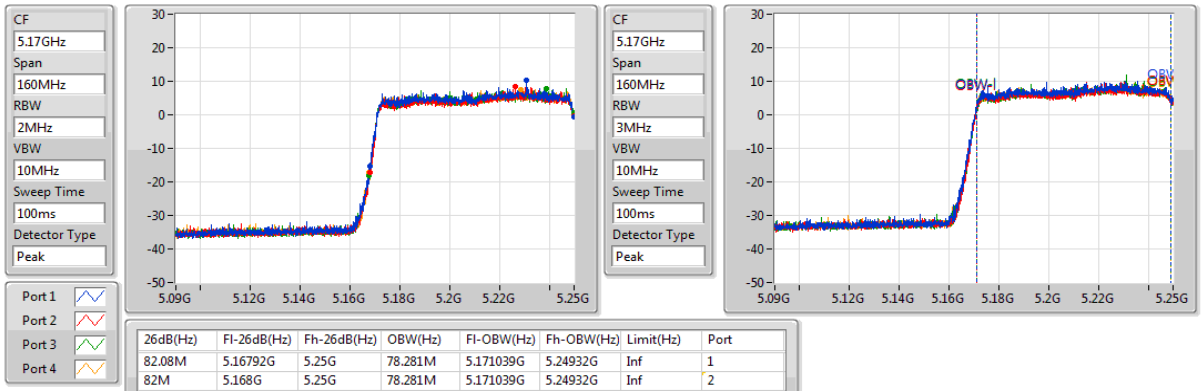
5855MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
102.48M	5.80148G	5.90396G	Inf	1
157.32M	5.77604G	5.93336G	Inf	2

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

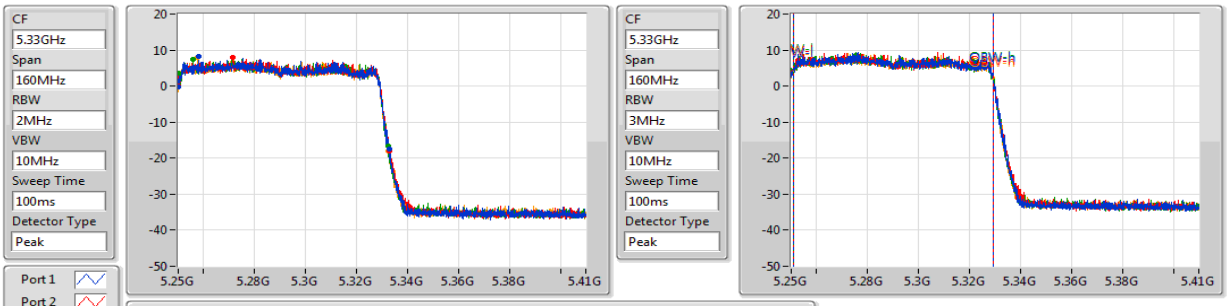
5250MHz Straddle 5.15-5.25GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.16792G	5.25G	78.281M	5.171039G	5.24932G	Inf	1
82M	5.168G	5.25G	78.281M	5.171039G	5.24932G	Inf	2
82.4M	5.1676G	5.25G	78.121M	5.171119G	5.24924G	Inf	3
82.32M	5.16768G	5.25G	78.201M	5.171039G	5.24924G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_4TX EBW

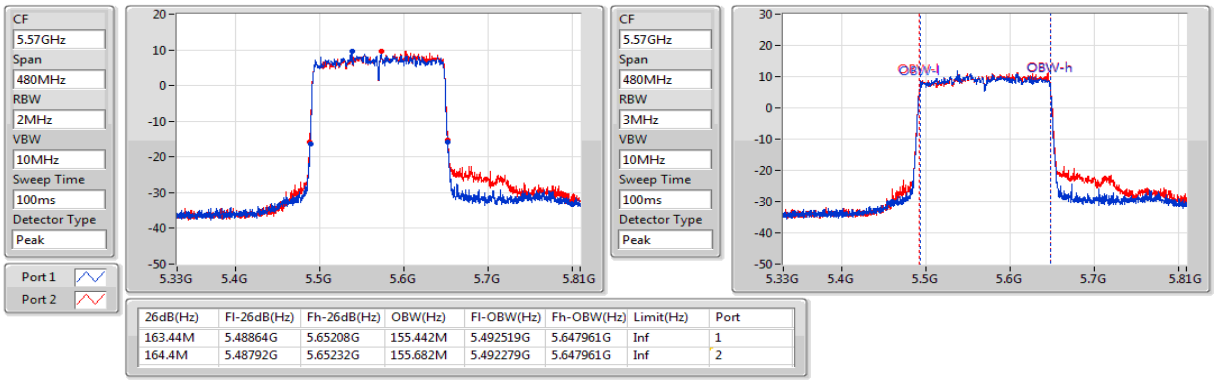
5250MHz Straddle 5.25-5.35GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	5.25G	5.33272G	78.361M	5.25076G	5.32912G	Inf	1
83.04M	5.25G	5.33304G	78.441M	5.25076G	5.3292G	Inf	2
82.48M	5.25G	5.33248G	78.521M	5.25068G	5.3292G	Inf	3
82.56M	5.25G	5.33256G	78.441M	5.25076G	5.3292G	Inf	4

802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

5570MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.44M	5.48864G	5.65208G	155.442M	5.492519G	5.647961G	Inf	1
164.4M	5.48792G	5.65232G	155.682M	5.492279G	5.647961G	Inf	2

Beamforming mode

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.25-5.35GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	28.56M	19.25M	19M2D1D	21.57M	19.1M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	50.82M	38.201M	38M2D1D	40.5M	37.961M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	84.72M	78.081M	78M1D1D	81.84M	77.961M
5.15-5.35GHz	-	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	164.32M	157.122M	157MD1D	163.92M	156.482M
5.47-5.725GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	33.27M	19.4M	19M4D1D	15.63M	14.543M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	75.24M	39.04M	39M0D1D	35.21M	33.828M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	82.08M	77.961M	78M0D1D	75.6M	73.463M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA	163.2M	156.642M	157MD1D	162M	156.162M
5.725-5.895GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	18.96M	19.73M	19M7D1D	18.69M	19.16M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	37.68M	38.741M	38M7D1D	37.38M	37.961M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	72.36M	81.559M	81M6D1D	67.56M	77.961M
5.725-5.85GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	4.5M	4.878M	4M88D1D	4.46M	4.798M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	3.94M	8.616M	8M62D1D	3.9M	4.898M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	3.9M	19.19M	19M2D1D	3.82M	16.172M

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 / Minimum 26dB down bandwidth for other band;
Min-OBW = Minimum 99% occupied bandwidth

Result

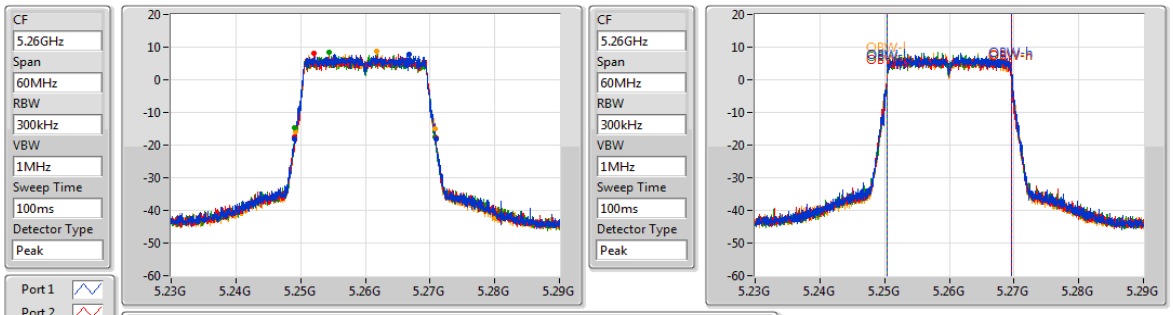
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA										
5260MHz	Pass	Inf	21.9M	19.1M	21.87M	19.13M	21.66M	19.1M	21.63M	19.1M
5300MHz	Pass	Inf	21.78M	19.13M	21.6M	19.13M	21.57M	19.1M	21.63M	19.1M
5320MHz	Pass	Inf	28.56M	19.22M	22.95M	19.25M	22.35M	19.22M	27.6M	19.22M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	Inf	21.39M	19.04M	21.75M	19.13M				
5580MHz	Pass	Inf	33.27M	19.25M	32.31M	19.4M				
5700MHz	Pass	Inf	21.48M	19.07M	21.81M	19.13M				
5720MHz Straddle 5.47-5.725GHz	Pass	Inf	15.63M	14.543M	15.795M	14.573M				
5720MHz Straddle 5.725-5.85GHz	Pass	500k	4.46M	4.798M	4.5M	4.878M				
5845MHz-traddle 5.725-5.895GHz	Pass	500k	18.69M	19.22M	18.87M	19.73M				
5865MHz	Pass	500k	18.87M	19.16M	18.9M	19.61M				
5885MHz	Pass	500k	18.87M	19.19M	18.96M	19.58M				
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	Inf	40.74M	37.961M	40.56M	38.021M	40.5M	37.961M	40.56M	37.961M
5310MHz	Pass	Inf	45.42M	38.201M	50.82M	38.201M	44.04M	38.201M	41.88M	38.141M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	Inf	40.26M	37.661M	40.14M	37.841M				
5590MHz	Pass	Inf	50.76M	38.081M	75.24M	39.04M				
5670MHz	Pass	Inf	40.14M	37.721M	40.5M	37.841M				
5710MHz Straddle 5.47-5.725GHz	Pass	Inf	35.315M	33.828M	35.21M	33.863M				
5710MHz Straddle 5.725-5.85GHz	Pass	500k	3.9M	4.898M	3.94M	8.616M				
5835MHz-traddle 5.725-5.895GHz	Pass	500k	37.38M	38.081M	37.38M	38.741M				
5875MHz	Pass	500k	37.68M	37.961M	37.5M	38.501M				
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	Inf	83.28M	77.961M	81.84M	77.961M	84.72M	78.081M	82.2M	77.961M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	Inf	81.36M	77.361M	81.12M	77.721M				
5610MHz	Pass	Inf	81.24M	77.601M	82.08M	77.961M				
5690MHz Straddle 5.47-5.725GHz	Pass	Inf	75.675M	73.463M	75.6M	73.538M				
5690MHz Straddle 5.725-5.85GHz	Pass	500k	3.82M	16.172M	3.9M	19.19M				
5855MHz-traddle 5.725-5.895GHz	Pass	500k	67.56M	77.961M	72.36M	81.559M				
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA										

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)
5250MHz Straddle 5.15-5.25GHz	Pass	Inf	81.44M	78.361M	81.68M	78.121M	81.44M	78.281M	81.52M	78.681M
5250MHz Straddle 5.25-5.35GHz	Pass	Inf	82.48M	78.361M	82.48M	78.361M	82.8M	78.361M	82.8M	78.441M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	Inf	163.2M	156.642M	162M	156.162M				

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

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

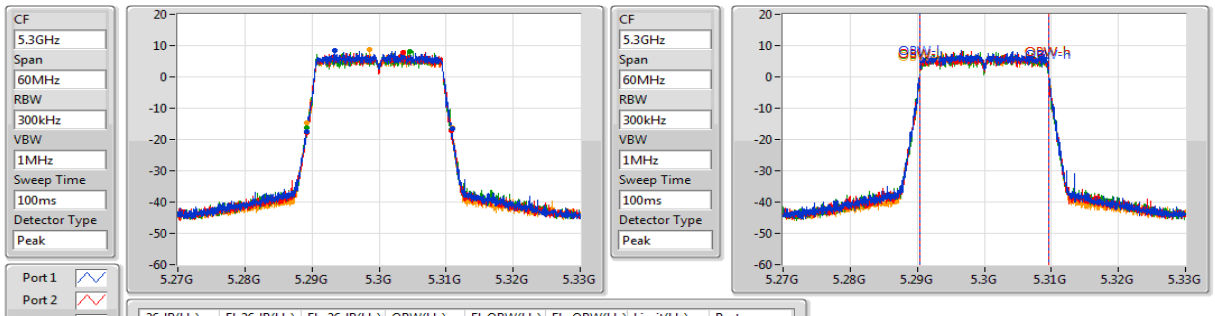
5260MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	5.24899G	5.27089G	19.1M	5.250465G	5.269565G	Inf	1
21.87M	5.24911G	5.27098G	19.13M	5.250405G	5.269535G	Inf	2
21.66M	5.24911G	5.27077G	19.1M	5.250435G	5.269535G	Inf	3
21.63M	5.24923G	5.27086G	19.1M	5.250465G	5.269565G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX EBW

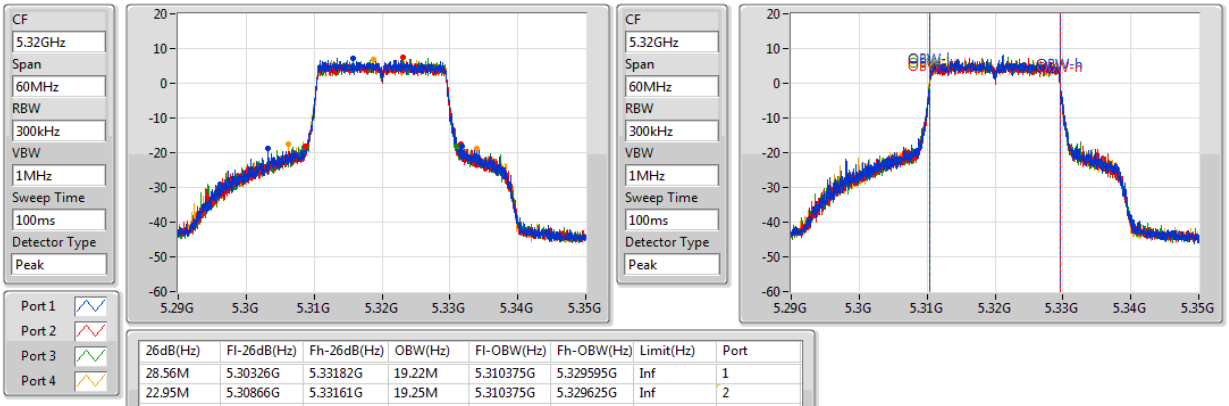
5300MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.78M	5.28914G	5.31092G	19.13M	5.290435G	5.309565G	Inf	1
21.6M	5.28917G	5.31077G	19.13M	5.290405G	5.309535G	Inf	2
21.57M	5.28923G	5.3108G	19.1M	5.290435G	5.309535G	Inf	3
21.63M	5.28926G	5.31089G	19.1M	5.290435G	5.309535G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **EBW**

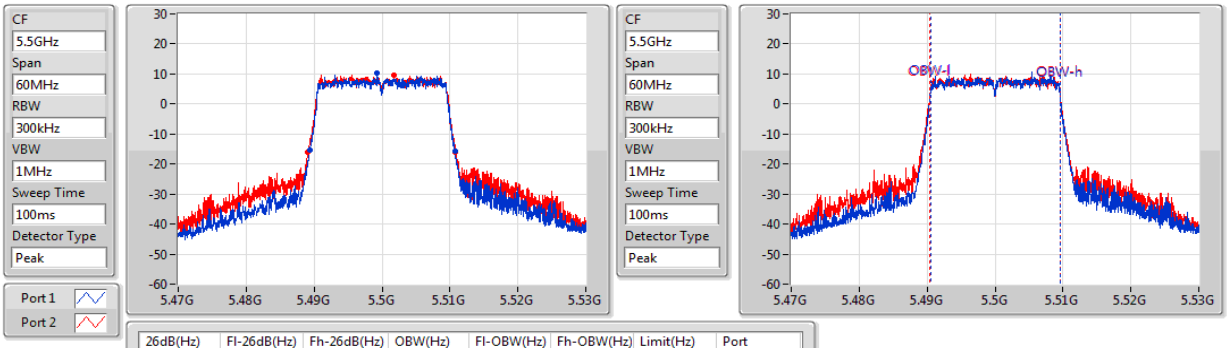
5320MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.56M	5.30326G	5.33182G	19.22M	5.310375G	5.329595G	Inf	1
22.95M	5.30866G	5.33161G	19.25M	5.310375G	5.329625G	Inf	2
22.35M	5.3086G	5.33095G	19.22M	5.310375G	5.329595G	Inf	3
27.6M	5.30629G	5.33389G	19.22M	5.310375G	5.329595G	Inf	4

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

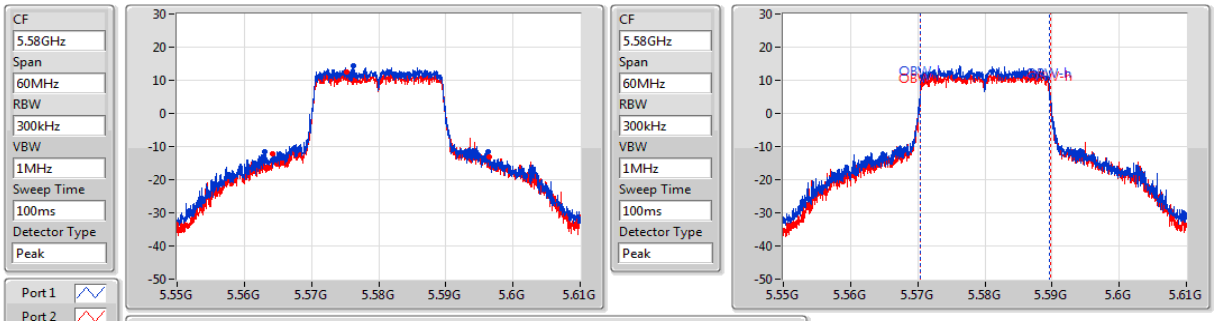
5500MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.39M	5.48935G	5.51074G	19.04M	5.490495G	5.509535G	Inf	1
21.75M	5.48911G	5.51086G	19.13M	5.490435G	5.509565G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

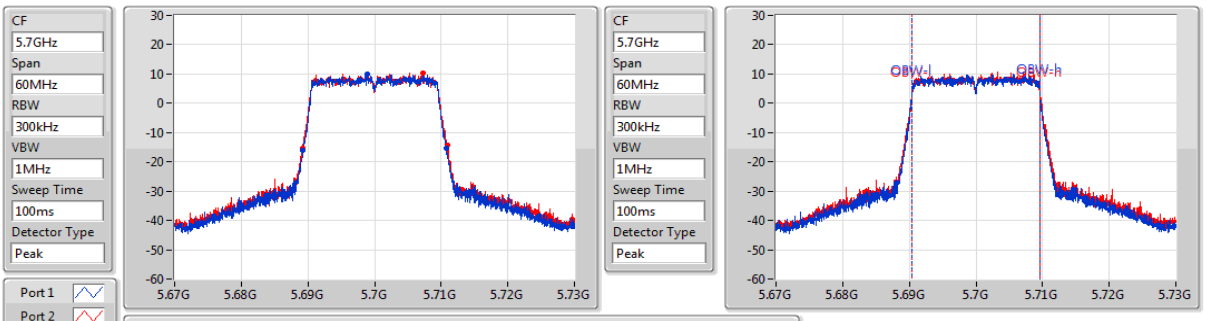
5580MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.27M	5.56308G	5.59635G	19.25M	5.570405G	5.589655G	Inf	1
32.31M	5.56416G	5.59647G	19.4M	5.570375G	5.589775G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

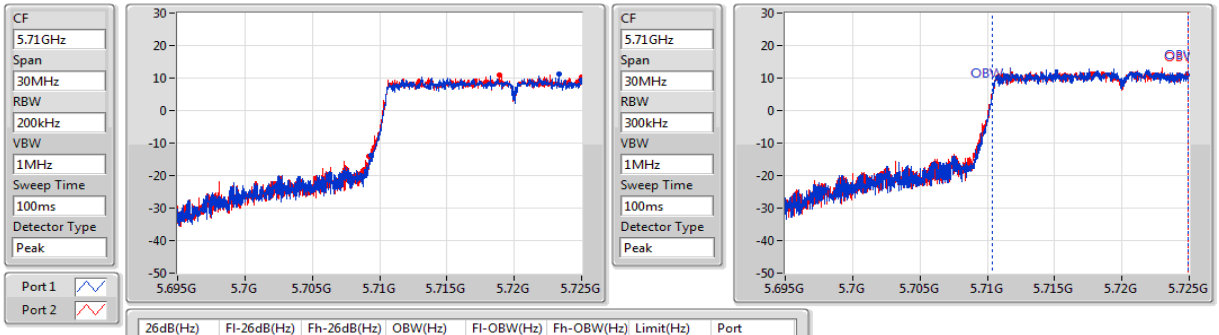
5700MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.48M	5.68929G	5.71077G	19.07M	5.690465G	5.709535G	Inf	1
21.81M	5.68914G	5.71095G	19.13M	5.690465G	5.709595G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

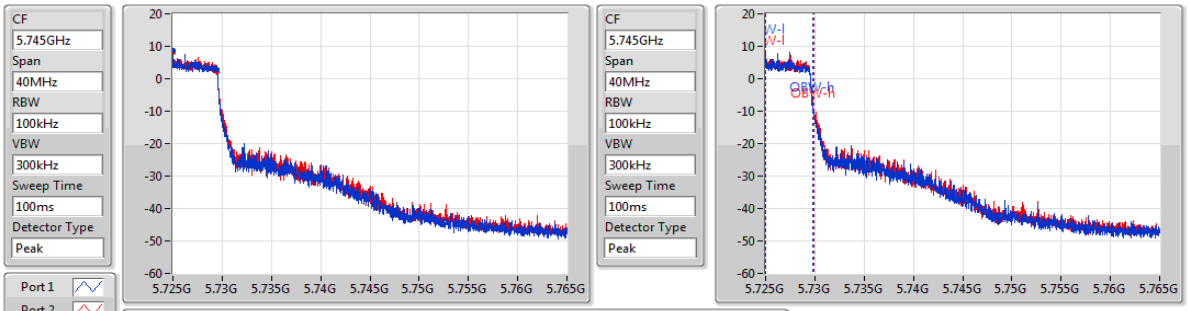
5720MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.63M	5.70937G	5.725G	14.543M	5.71039G	5.724933G	Inf	1
15.795M	5.709205G	5.725G	14.573M	5.71036G	5.724933G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **EBW**

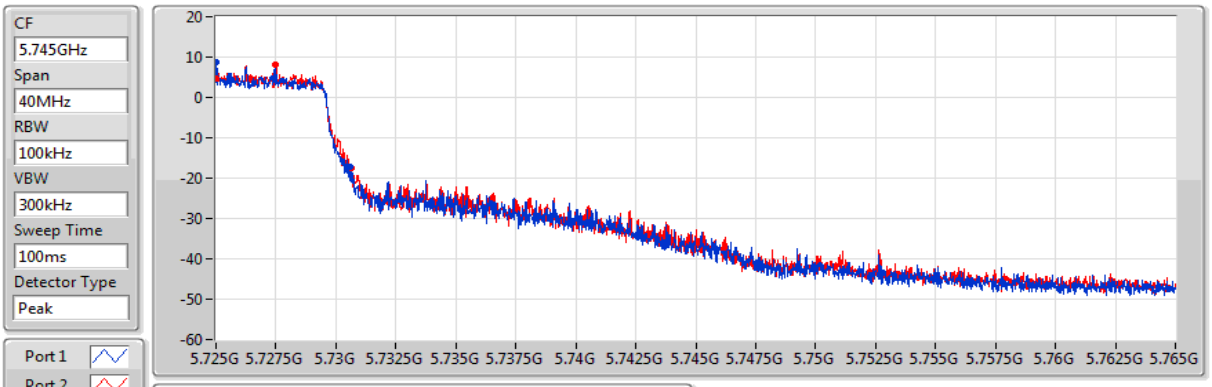
5720MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
4.46M	5.725G	5.72946G	4.798M	5.72501G	5.729808G	500k	1
4.5M	5.725G	5.7295G	4.878M	5.72503G	5.729908G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

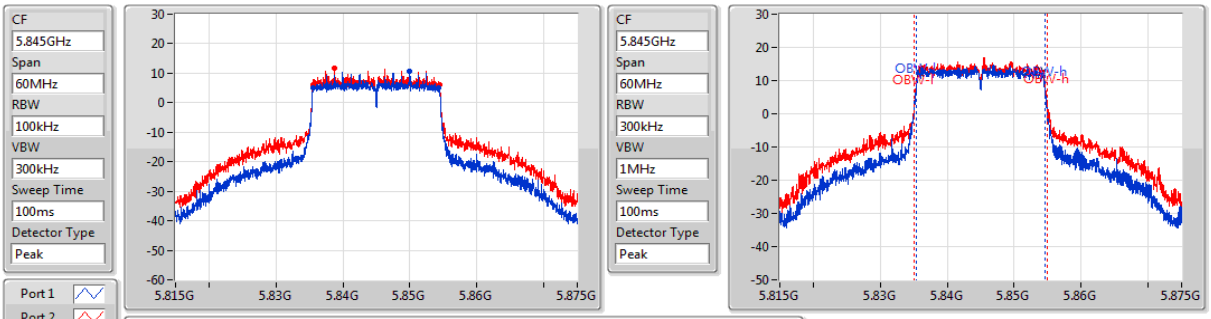
5720MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
5.58M	5.725G	5.73058G	Inf	1
5.62M	5.725G	5.73062G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

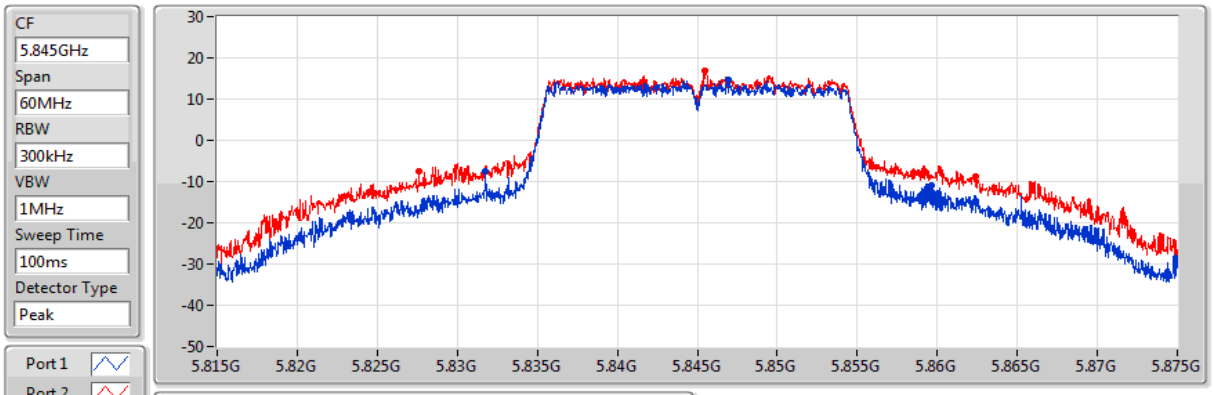
5845MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.69M	5.83555G	5.85424G	19.22M	5.835375G	5.854595G	500k	1
18.87M	5.83555G	5.85442G	19.73M	5.835135G	5.854865G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

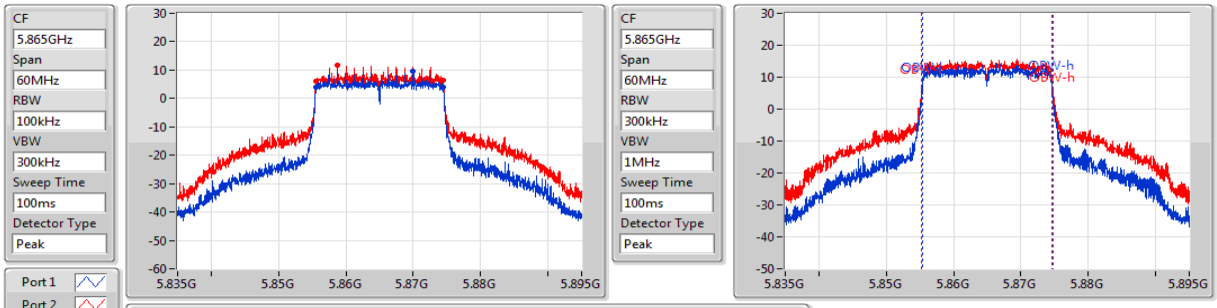
5845MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
27.87M	5.83177G	5.85964G	Inf	1
34.77M	5.8276G	5.86237G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

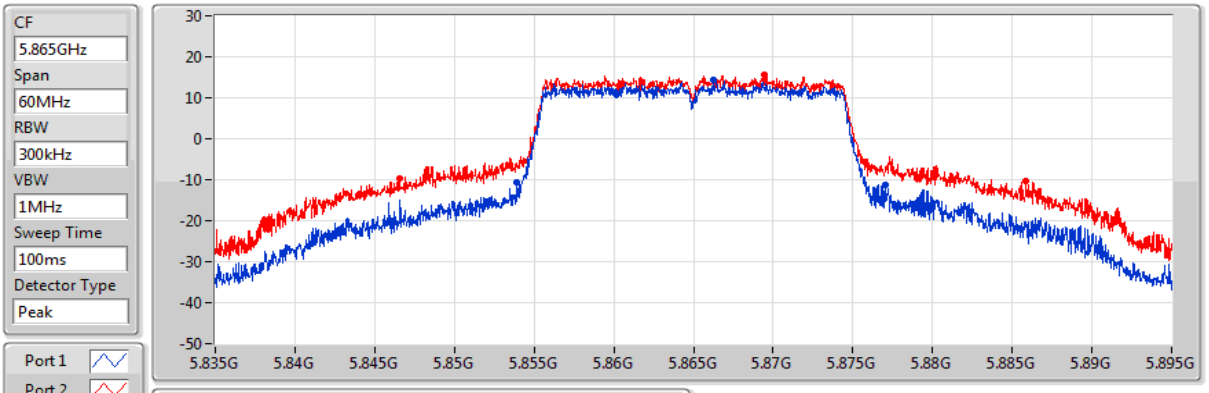
5865MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.85555G	5.87442G	19.16M	5.855405G	5.874565G	500k	1
18.9M	5.85555G	5.87445G	19.61M	5.855225G	5.874835G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

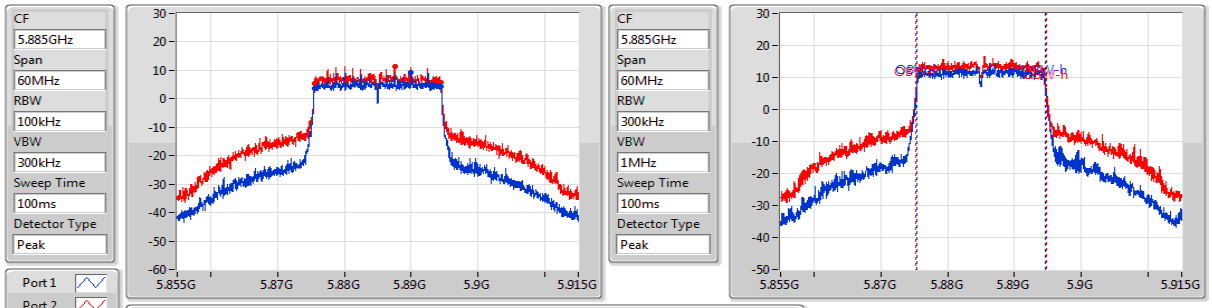
5865MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
23.1M	5.8539G	5.877G	Inf	1
39.3M	5.84655G	5.88585G	Inf	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

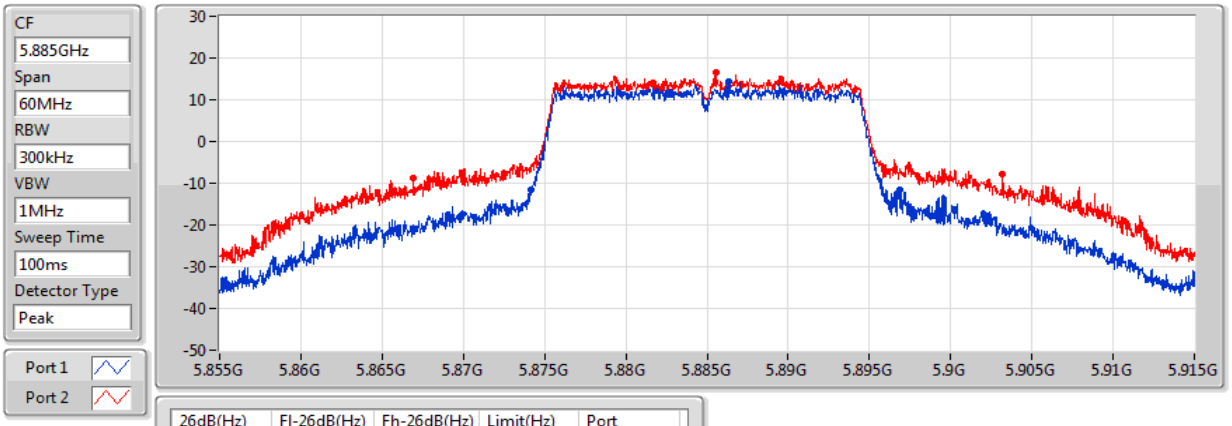
5885MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.87M	5.87555G	5.89442G	19.19M	5.875405G	5.894595G	500k	1
18.96M	5.87552G	5.89448G	19.58M	5.875225G	5.894805G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

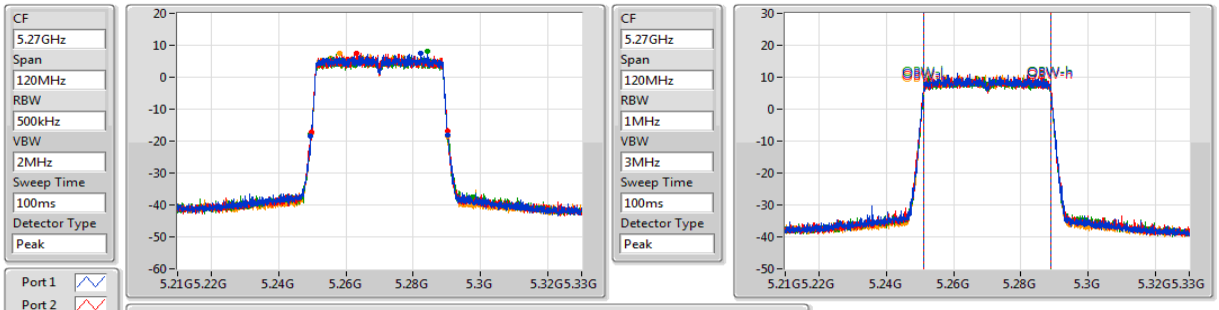
5885MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
22.77M	5.87414G	5.89691G	Inf	1
36.3M	5.86691G	5.90321G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_4TX EBW

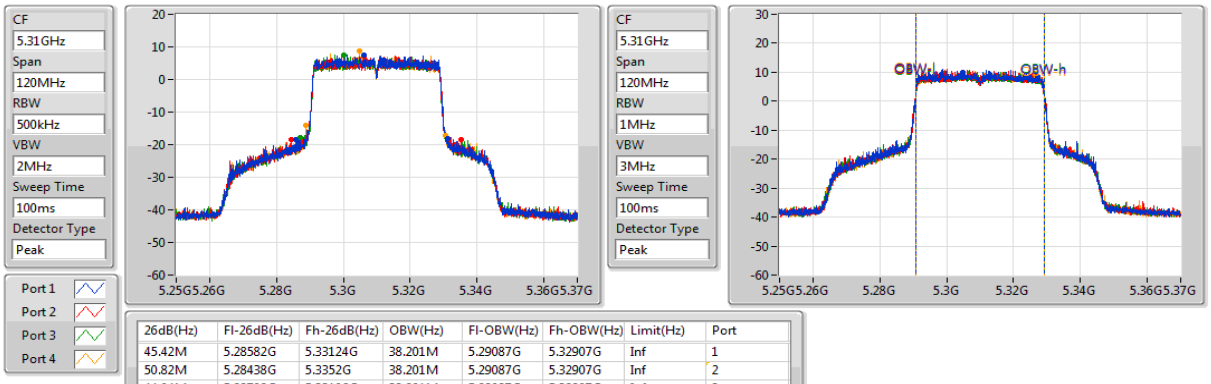
5270MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.74M	5.24948G	5.29022G	37.961M	5.25099G	5.288951G	Inf	1
40.56M	5.24972G	5.29028G	38.021M	5.25099G	5.28901G	Inf	2
40.5M	5.2496G	5.2901G	37.961M	5.251049G	5.28901G	Inf	3
40.56M	5.24972G	5.29028G	37.961M	5.25099G	5.288951G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX **EBW**

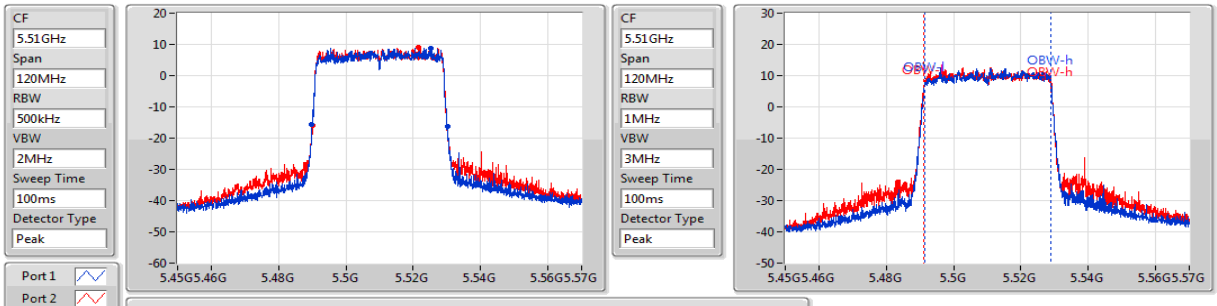
5310MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.42M	5.28582G	5.33124G	38.201M	5.29087G	5.32907G	Inf	1
50.82M	5.28438G	5.3352G	38.201M	5.29087G	5.32907G	Inf	2
44.04M	5.28702G	5.33106G	38.201M	5.29087G	5.32907G	Inf	3
41.88M	5.28882G	5.3307G	38.141M	5.29093G	5.32907G	Inf	4

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

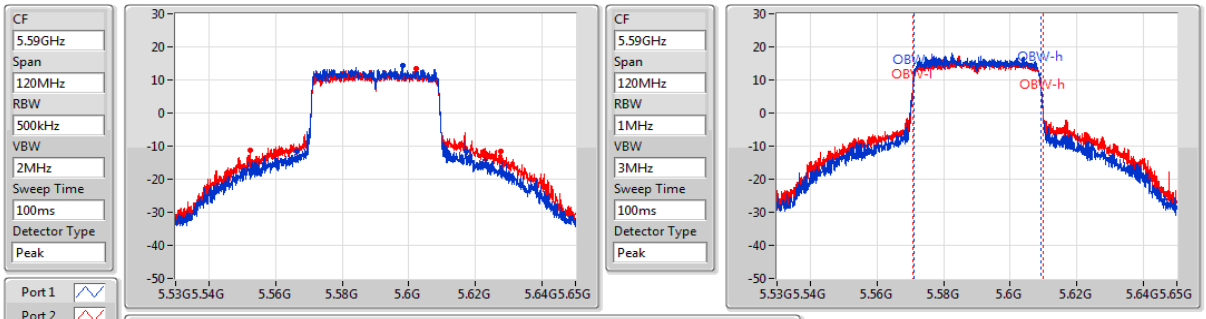
5510MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	5.48984G	5.5301G	37.661M	5.491289G	5.528951G	Inf	1
40.14M	5.49002G	5.53016G	37.841M	5.491169G	5.52901G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

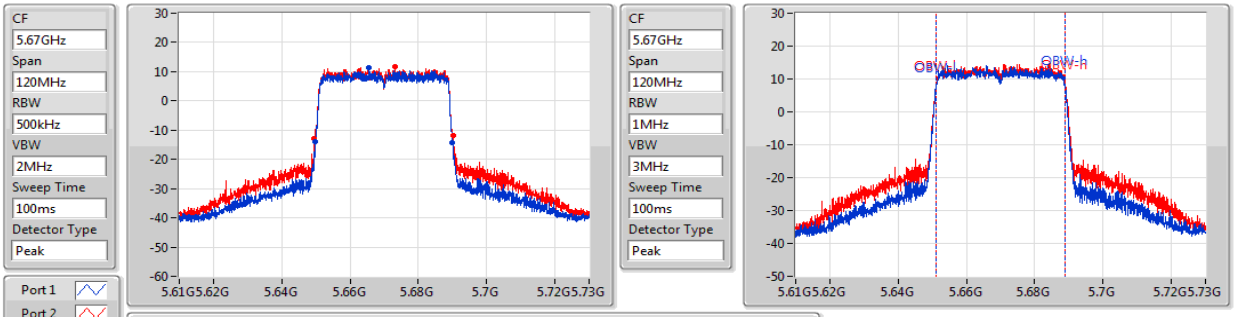
5590MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
50.76M	5.56642G	5.61718G	38.081M	5.57099G	5.60907G	Inf	1
75.24M	5.55226G	5.6275G	39.04M	5.57069G	5.60973G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

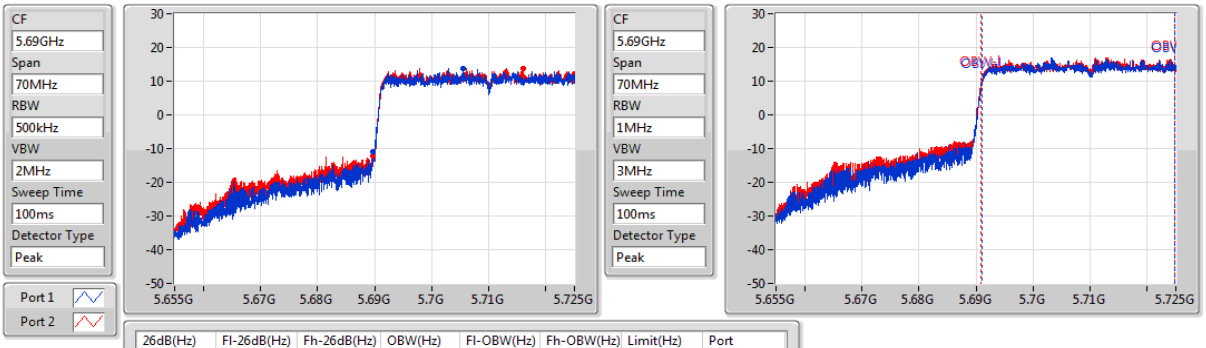
5670MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.14M	5.6499G	5.69004G	37.721M	5.651169G	5.688891G	Inf	1
40.5M	5.6496G	5.6901G	37.841M	5.651109G	5.688951G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

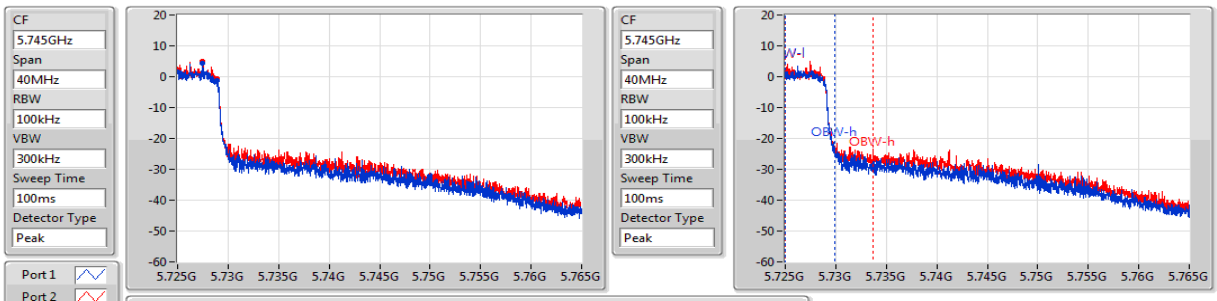
5710MHz Straddle 5.47-5.725GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.315M	5.689685G	5.725G	33.828M	5.691014G	5.724843G	Inf	1
35.21M	5.68979G	5.725G	33.863M	5.690945G	5.724808G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX **EBW**

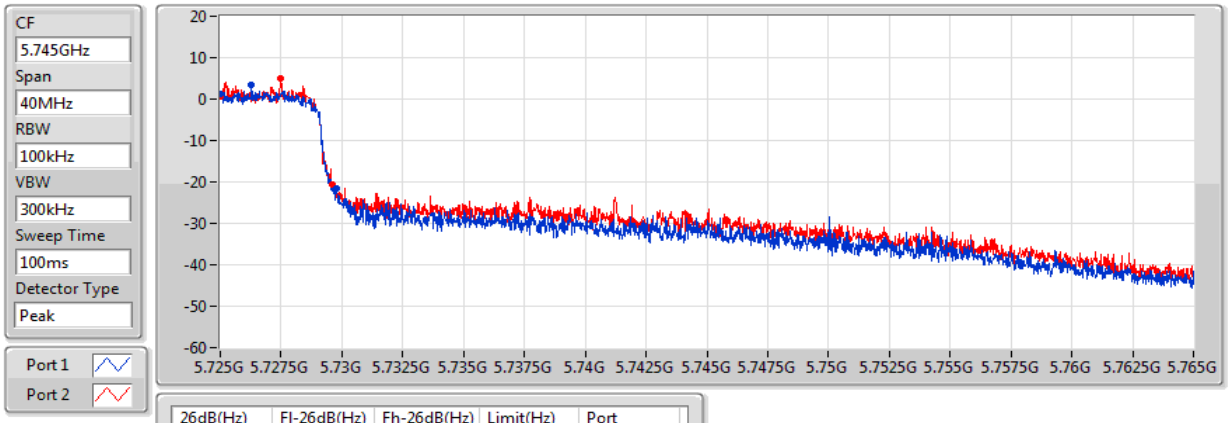
5710MHz Straddle 5.725-5.85GHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.9M	5.725G	5.7289G	4.898M	5.72501G	5.729908G	500k	1
3.94M	5.725G	5.72894G	8.616M	5.72503G	5.733646G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

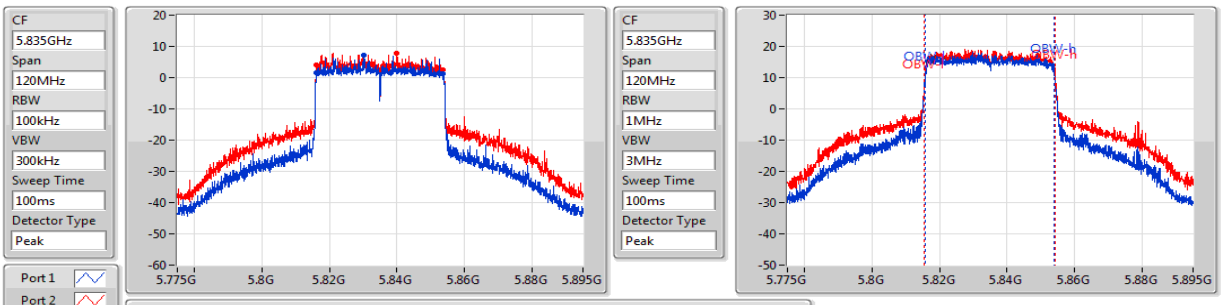
5710MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.8M	5.725G	5.7298G	Inf	1
4.6M	5.725G	5.7296G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

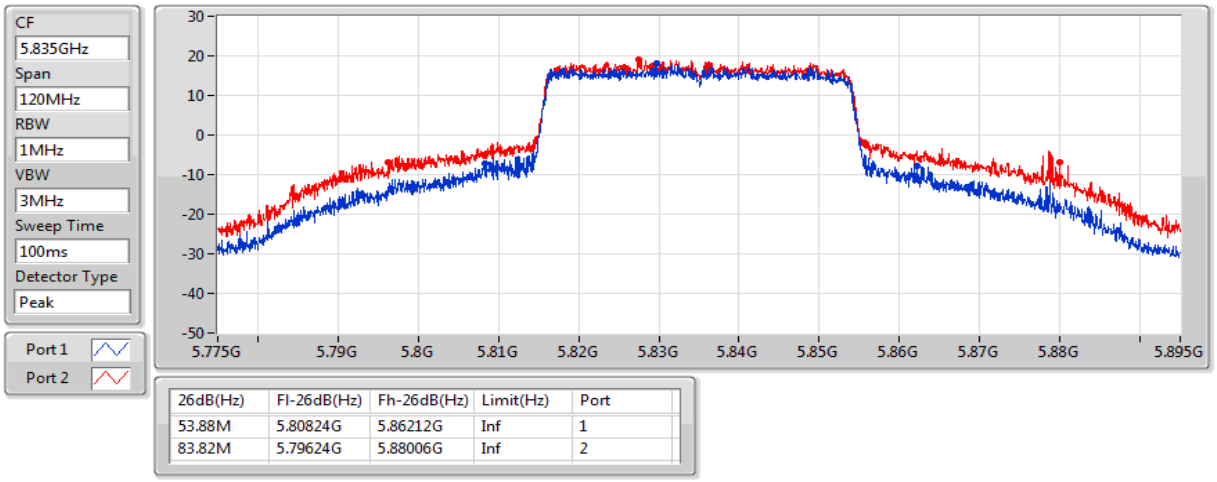
5835MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.38M	5.81616G	5.85354G	38.081M	5.81593G	5.85401G	500k	1
37.38M	5.81622G	5.8536G	38.741M	5.81557G	5.85431G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

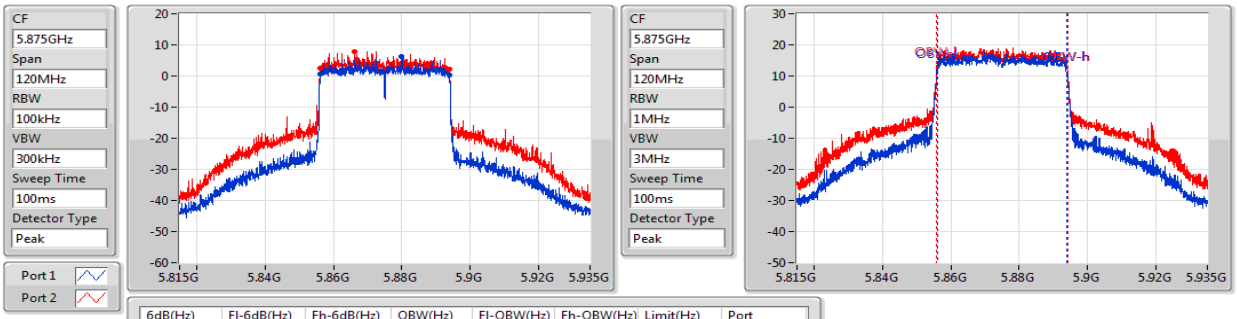
5835MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
53.88M	5.80824G	5.86212G	Inf	1
83.82M	5.79624G	5.88006G	Inf	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

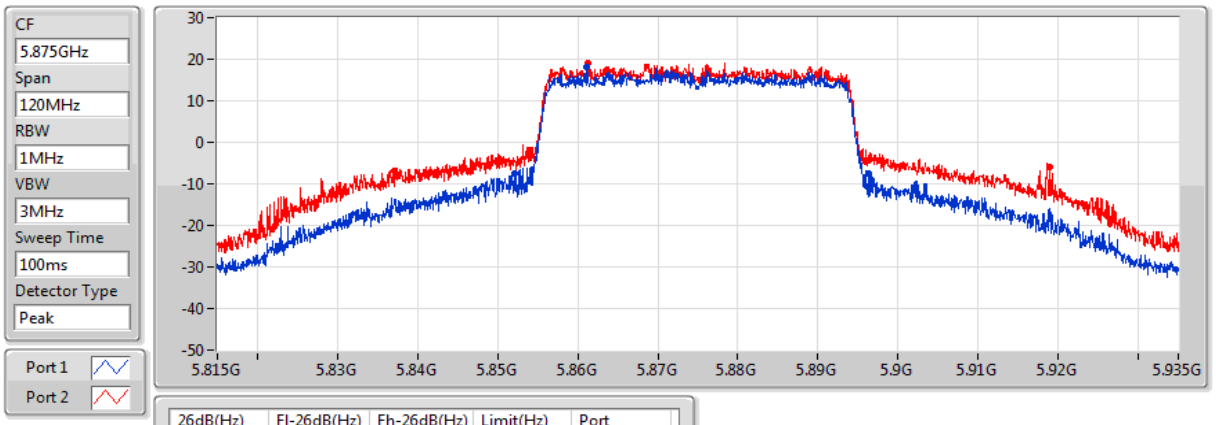
5875MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.68M	5.85616G	5.89384G	37.961M	5.85599G	5.893951G	500k	1
37.5M	5.85628G	5.89378G	38.501M	5.85569G	5.89419G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

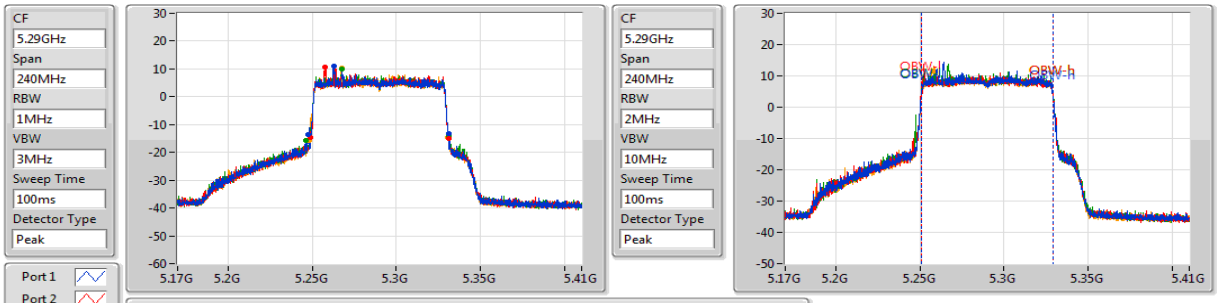
5875MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
44.16M	5.85208G	5.89624G	Inf	1
81.9M	5.83708G	5.91898G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_4TX EBW

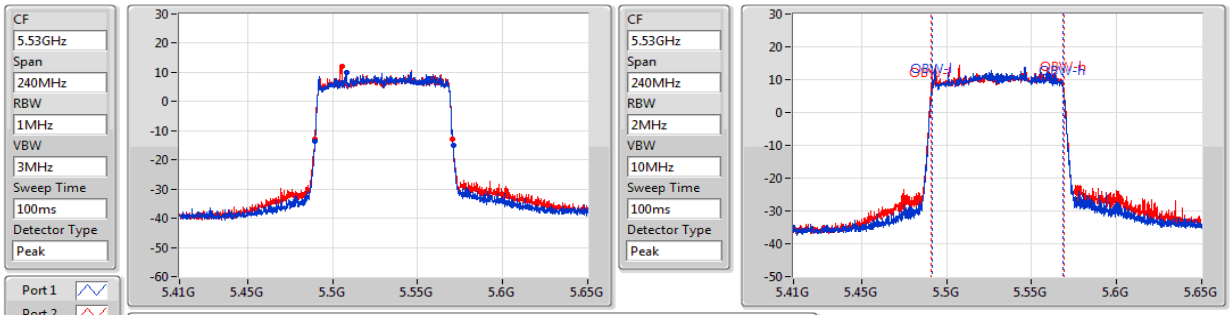
5290MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.28M	5.24764G	5.33092G	77.961M	5.2509G	5.328861G	Inf	1
81.84M	5.24896G	5.3308G	77.961M	5.2509G	5.328861G	Inf	2
84.72M	5.2462G	5.33092G	78.081M	5.2509G	5.328981G	Inf	3
82.2M	5.24848G	5.33068G	77.961M	5.2509G	5.328861G	Inf	4

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **EBW**

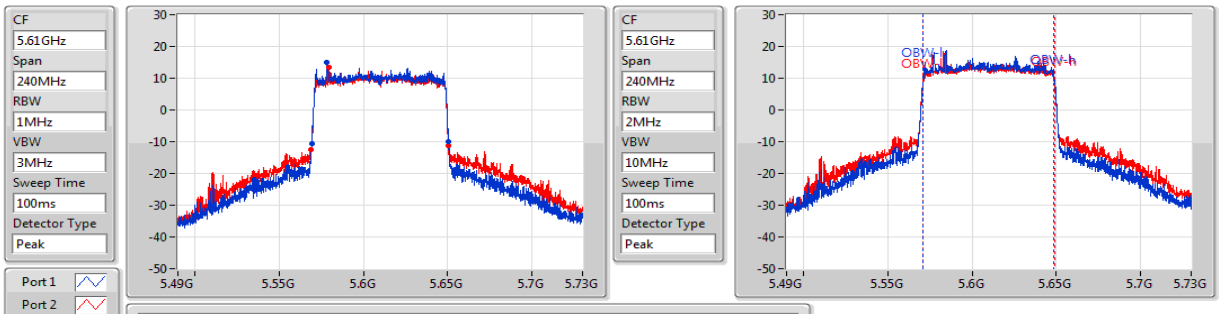
5530MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.36M	5.48944G	5.5708G	77.361M	5.491379G	5.568741G	Inf	1
81.12M	5.48944G	5.57056G	77.721M	5.491139G	5.568861G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **EBW**

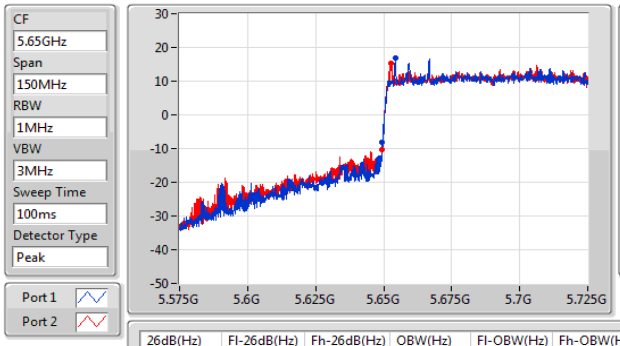
5610MHz

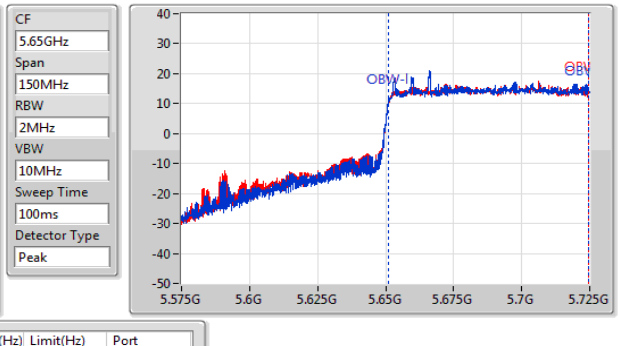


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.24M	5.56932G	5.65056G	77.601M	5.571139G	5.648741G	Inf	1
82.08M	5.5686G	5.65068G	77.961M	5.571019G	5.648981G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.47-5.725GHz

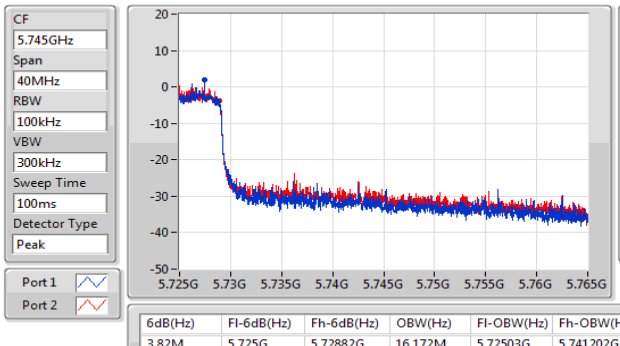


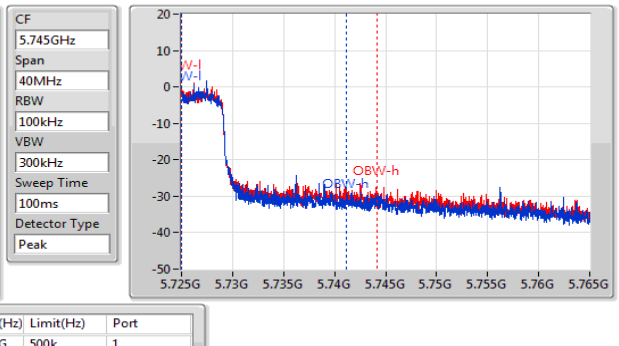


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.675M	5.649325G	5.725G	73.463M	5.651124G	5.724588G	Inf	1
75.6M	5.6494G	5.725G	73.538M	5.651049G	5.724588G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX **EBW**

5690MHz Straddle 5.725-5.85GHz

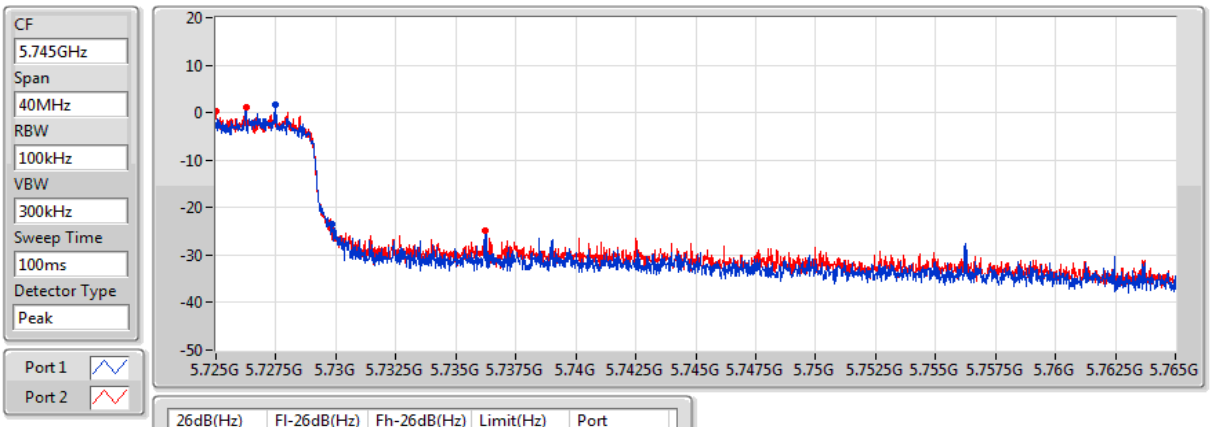




6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
3.82M	5.725G	5.72882G	16.172M	5.72503G	5.741202G	500k	1
3.9M	5.725G	5.7289G	19.19M	5.72501G	5.7442G	500k	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

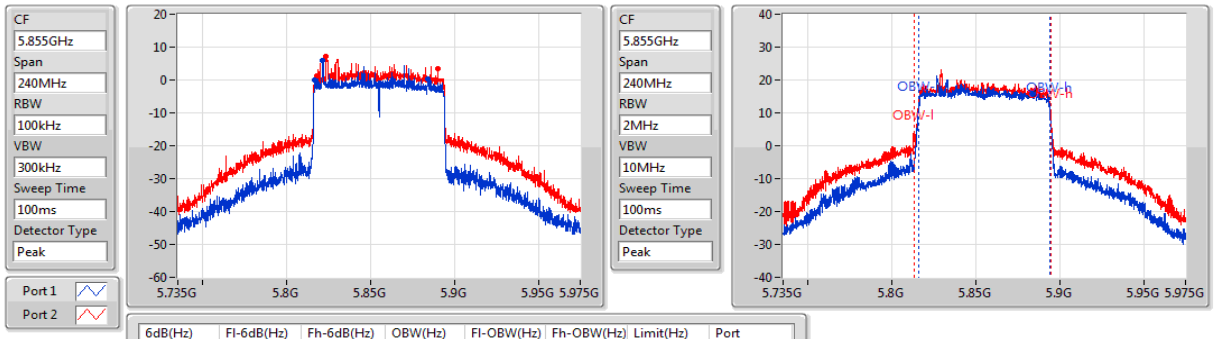
5690MHz Straddle 5.725-5.85GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
4.84M	5.725G	5.72984G	Inf	1
11.2M	5.725G	5.7362G	Inf	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

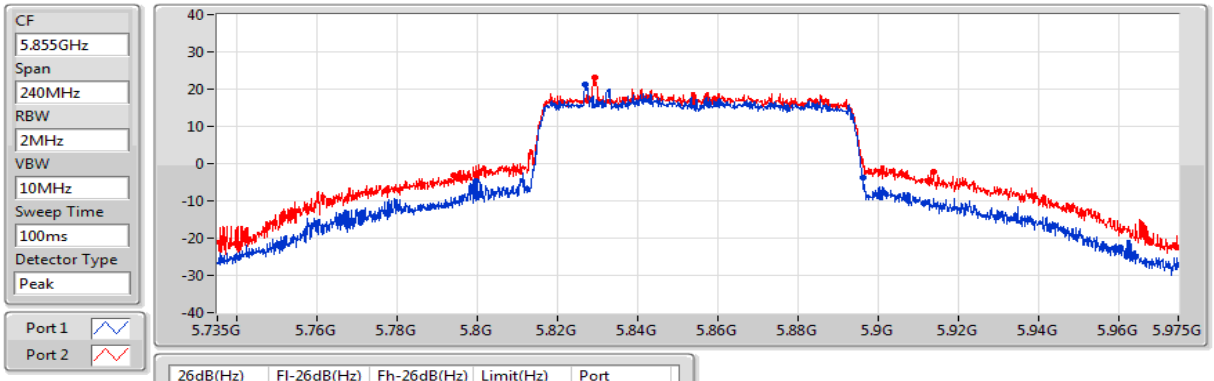
5855MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
67.56M	5.81684G	5.8844G	77.961M	5.8159G	5.893861G	500k	1
72.36M	5.81768G	5.89004G	81.559M	5.813141G	5.8947G	500k	2

802.11ax HEW80-BF_Nss1,(MCS0)_2TX EBW

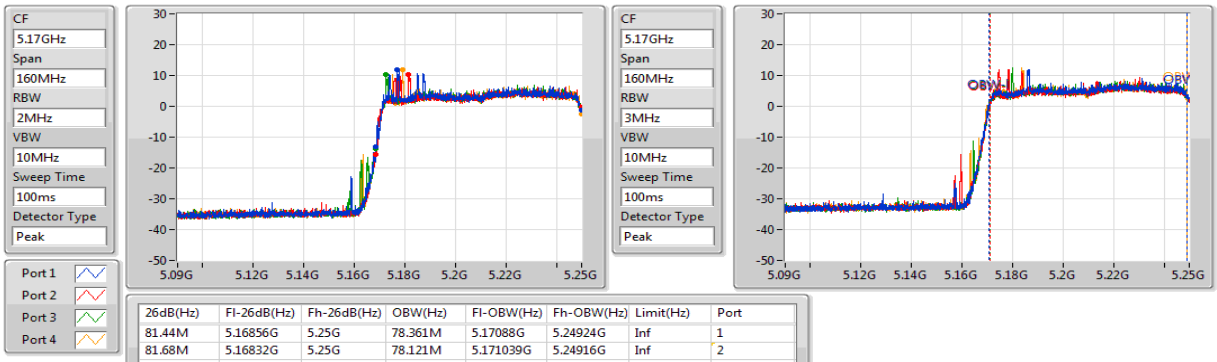
5855MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	Limit(Hz)	Port
96.84M	5.79944G	5.89628G	Inf	1
119.76M	5.79416G	5.91392G	Inf	2

802.11ax HEW160-BF_Nss1,(MCS0)_4TX EBW

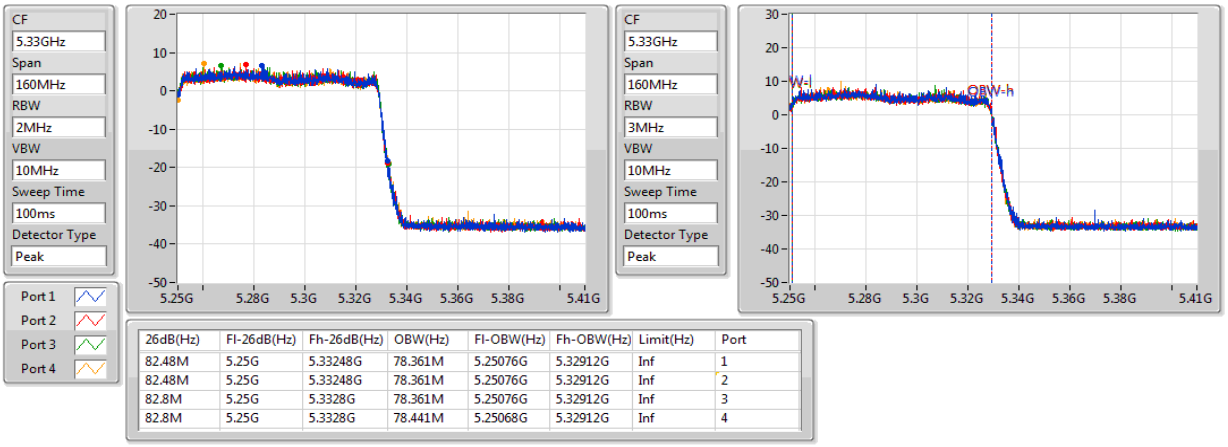
5250MHz Straddle 5.15-5.25GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.44M	5.16856G	5.25G	78.361M	5.17088G	5.24924G	Inf	1
81.68M	5.16832G	5.25G	78.121M	5.171039G	5.24916G	Inf	2
81.44M	5.16856G	5.25G	78.281M	5.17096G	5.24924G	Inf	3
81.52M	5.16848G	5.25G	78.681M	5.17056G	5.24924G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_4TX **EBW**

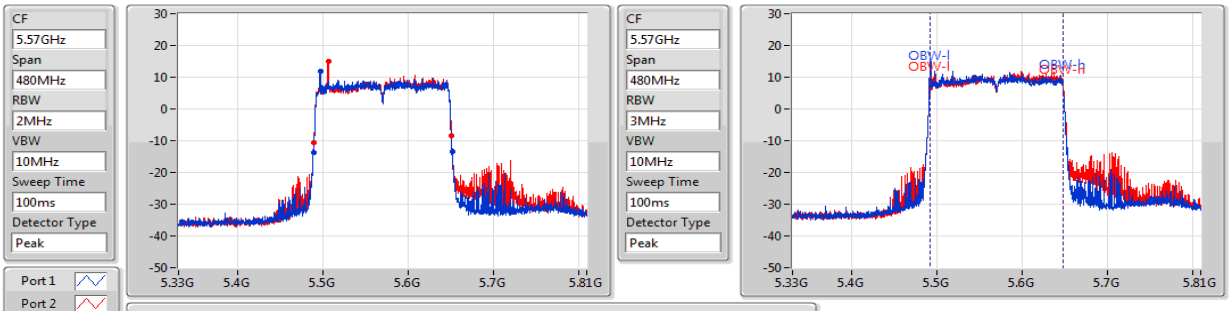
5250MHz Straddle 5.25-5.35GHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.48M	5.25G	5.33248G	78.361M	5.25076G	5.32912G	Inf	1
82.48M	5.25G	5.33248G	78.361M	5.25076G	5.32912G	Inf	2
82.8M	5.25G	5.3328G	78.361M	5.25076G	5.32912G	Inf	3
82.8M	5.25G	5.3328G	78.441M	5.25068G	5.32912G	Inf	4

802.11ax HEW160-BF_Nss1,(MCS0)_2TX **EBW**

5570MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.2M	5.48864G	5.65184G	156.642M	5.491319G	5.647961G	Inf	1
162M	5.48912G	5.65112G	156.162M	5.492279G	5.648441G	Inf	2

3.3 RF Output Power

3.3.1 Limit of RF Output Power

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	Conducted Power: 250mW or 11dBm+10 log B
☒	5470 ~ 5725	Conducted Power: 250mW or 11dBm+10 log B
Note: “B” is the 26dB emission bandwidth in MHz.		

Frequency Band (MHz) : 5850 ~ 5895 MHz		Limit
☒	Indoor Access Point device	EIRP 36 dBm
☐	Subordinate device	EIRP 36 dBm
☐	Client device	EIRP 30 dBm

3.3.2 Test Procedures

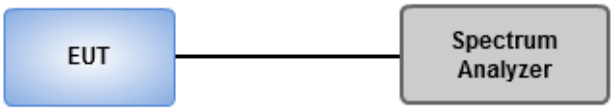
Method PM-G (Measurement using a gated RF average power meter)

Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.

Spectrum analyzer

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add 10 log(1/X, X:duty cycle) if duty cycle is <98%).

3.3.3 Test Setup



3.3.4 Test Result of Maximum Conducted Output Power

Ambient Condition	18°C / 68%	Tested By	Aska Huang

Non-beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	16.21	0.04178	20.44	0.11066
5.25-5.35GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_4TX	20.48	0.11169	24.71	0.29580
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	21.19	0.13152	25.42	0.34834
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	23.71	0.23496	27.94	0.62230
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	22.20	0.16596	26.43	0.43954
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	16.32	0.04285	20.55	0.11350
5.47-5.725GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	23.09	0.20370	26.37	0.43351
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	23.22	0.20989	26.50	0.44668
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	23.85	0.24266	27.13	0.51642
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	23.81	0.24044	27.09	0.51168
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA	19.66	0.09247	22.94	0.19679
5.725-5.895GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	24.63	0.29040	28.48	0.70469
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	24.87	0.30690	28.72	0.74473
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	24.74	0.29785	28.59	0.72277
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	24.80	0.30200	28.65	0.73282
5.725-5.85GHz	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	16.68	0.04656	20.53	0.11298
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	17.63	0.05794	21.48	0.14060
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	13.67	0.02328	17.52	0.05649
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	10.56	0.01138	14.41	0.02761

Result

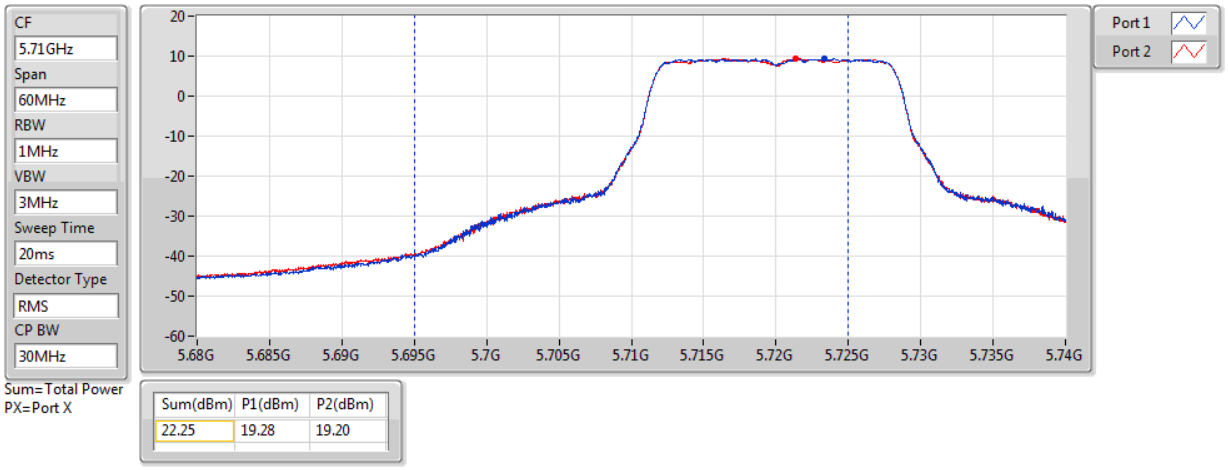
Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_4TX										
5260MHz	Pass	4.23	14.42	14.19	14.08	14.19	20.24	24.00	24.47	30.00
5300MHz	Pass	4.23	14.22	14.08	14.03	14.14	20.14	24.00	24.37	30.00
5320MHz	Pass	4.23	14.73	14.42	14.36	14.33	20.48	24.00	24.71	30.00
802.11a_Nss1,(6Mbps)_2TX										
5500MHz	Pass	3.28	16.51	16.69			19.61	24.00	22.89	30.00
5580MHz	Pass	3.28	20.66	19.41			23.09	24.00	26.37	30.00
5700MHz	Pass	3.28	17.29	17.45			20.38	24.00	23.66	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.28	19.28	19.2			22.25	22.98	25.53	28.98
5720MHz Straddle 5.725-5.85GHz	Pass	3.85	13.62	13.71			16.68	30.00	20.53	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	3.85	20.92	22.23			24.63	30.00	28.48	36.00
5865MHz	Pass	3.85	20.67	22.35			24.60	Inf	28.45	36.00
5885MHz	Pass	3.85	20.29	22.12			24.31	Inf	28.16	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA										
5260MHz	Pass	4.23	15.36	15.14	14.98	15.18	21.19	24.00	25.42	30.00
5300MHz	Pass	4.23	15.15	15.05	14.93	14.86	21.02	24.00	25.25	30.00
5320MHz	Pass	4.23	14.89	15.05	14.77	14.92	20.93	24.00	25.16	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	3.28	16.74	16.95			19.86	24.00	23.14	30.00
5580MHz	Pass	3.28	20.79	19.54			23.22	24.00	26.50	30.00
5700MHz	Pass	3.28	17.11	17.41			20.27	24.00	23.55	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	3.28	19.57	19.58			22.59	22.97	25.87	28.97
5720MHz Straddle 5.725-5.85GHz	Pass	3.85	14.66	14.58			17.63	30.00	21.48	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	3.85	21.22	22.42			24.87	30.00	28.72	36.00
5865MHz	Pass	3.85	20.85	22.49			24.76	Inf	28.61	36.00
5885MHz	Pass	3.85	20.82	22.39			24.69	Inf	28.54	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	4.23	17.81	17.75	17.41	17.77	23.71	24.00	27.94	30.00
5310MHz	Pass	4.23	16.15	15.8	15.75	15.99	21.95	24.00	26.18	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	3.28	15.75	16.01			18.89	24.00	22.17	30.00
5590MHz	Pass	3.28	21.12	20.53			23.85	24.00	27.13	30.00
5670MHz	Pass	3.28	18.21	18.96			21.61	24.00	24.89	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	3.28	19.91	20.54			23.25	24.00	26.53	30.00
5710MHz Straddle	Pass	3.85	10.34	10.96			13.67	30.00	17.52	36.00

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)
5.725-5.85GHz										
5835MHz-traddle 5.725-5.895GHz	Pass	3.85	21.09	22.29			24.74	30.00	28.59	36.00
5875MHz	Pass	3.85	20.92	22.37			24.72	Inf	28.57	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	4.23	16.38	16.06	16.11	16.15	22.20	24.00	26.43	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	3.28	15.42	15.82			18.63	24.00	21.91	30.00
5610MHz	Pass	3.28	18.71	18.22			21.48	24.00	24.76	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	3.28	20.72	20.88			23.81	24.00	27.09	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	3.85	7.54	7.55			10.56	30.00	14.41	36.00
5855MHz	Pass	3.85	21.05	22.42			24.80	30.00	28.65	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA										
5250MHz Straddle 5.15-5.25GHz	Pass	4.23	10.43	10.14	10.17	10.01	16.21	30.00	20.44	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	4.23	10.38	10.35	10.31	10.14	16.32	24.00	20.55	30.00
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	3.28	16.54	16.75			19.66	24.00	22.94	30.00

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

802.11a_Nss1,(6Mbps)_2TX AV Power

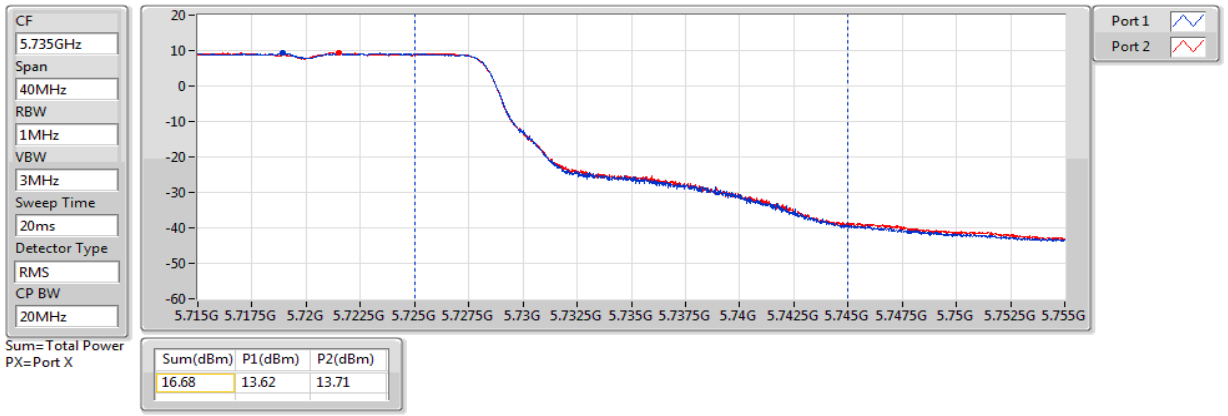
5720MHz Straddle 5.47-5.725GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
22.25	19.28	19.20

802.11a_Nss1,(6Mbps)_2TX AV Power

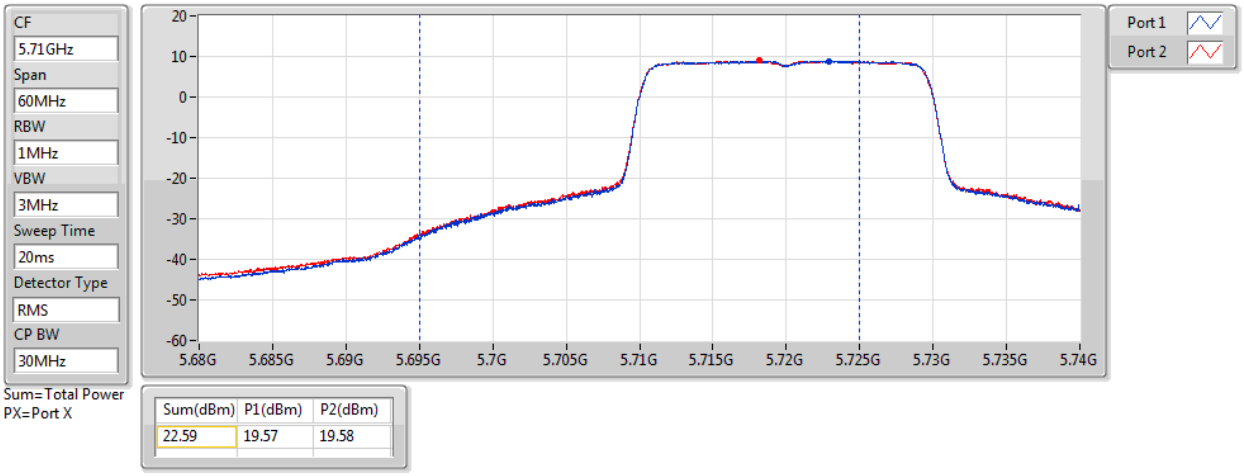
5720MHz Straddle 5.725-5.85GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
16.68	13.62	13.71

802.11ax HEW20_Nss1,(MCS0)_2TX AV Power

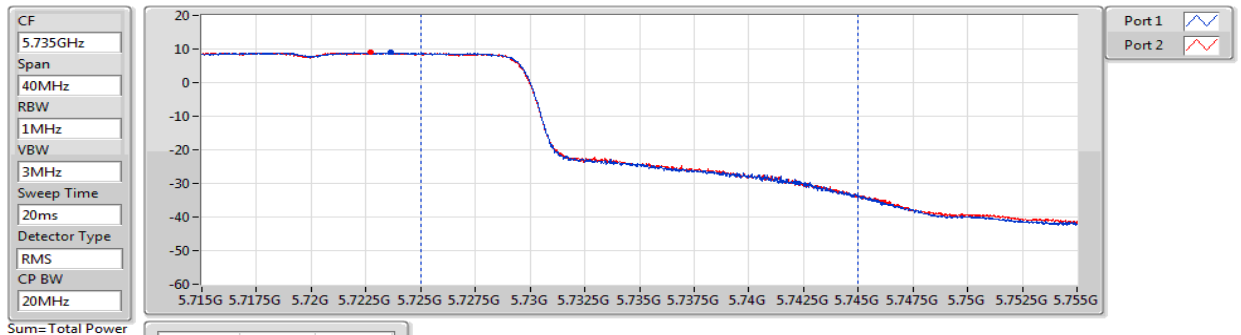
5720MHz Straddle 5.47-5.725GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
22.59	19.57	19.58

802.11ax HEW20_Nss1,(MCS0)_2TX AV Power

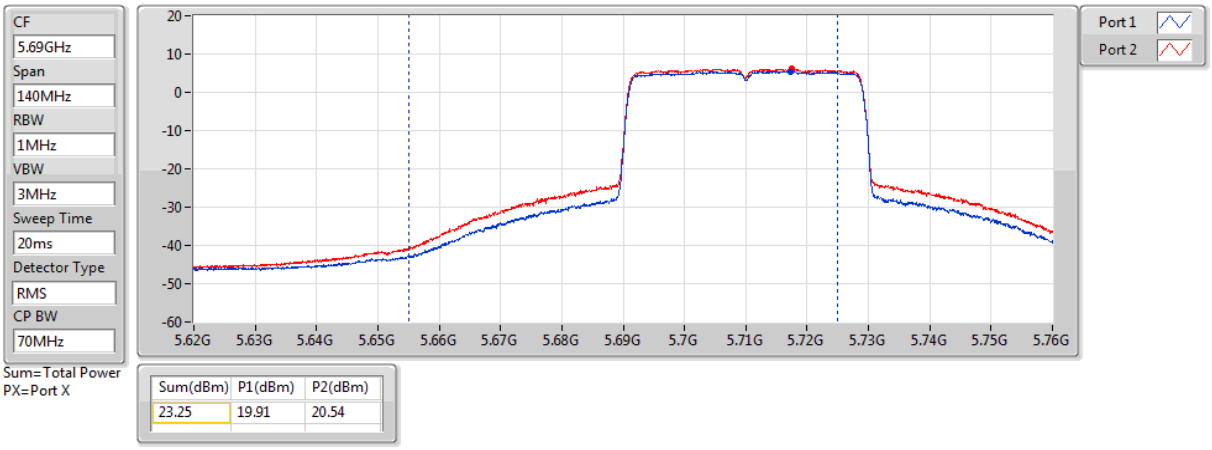
5720MHz Straddle 5.725-5.85GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
17.63	14.66	14.58

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

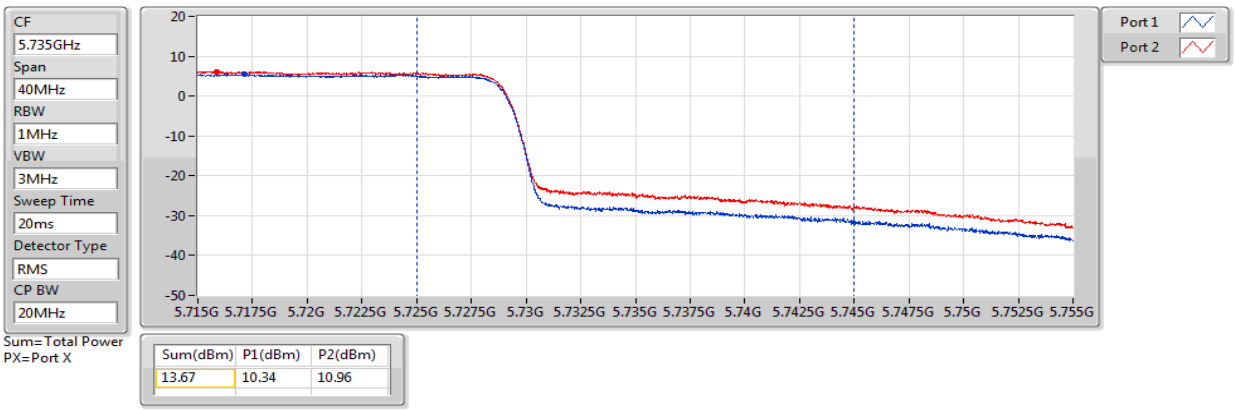
5710MHz Straddle 5.47-5.725GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
23.25	19.91	20.54

802.11ax HEW40_Nss1,(MCS0)_2TX **AV Power**

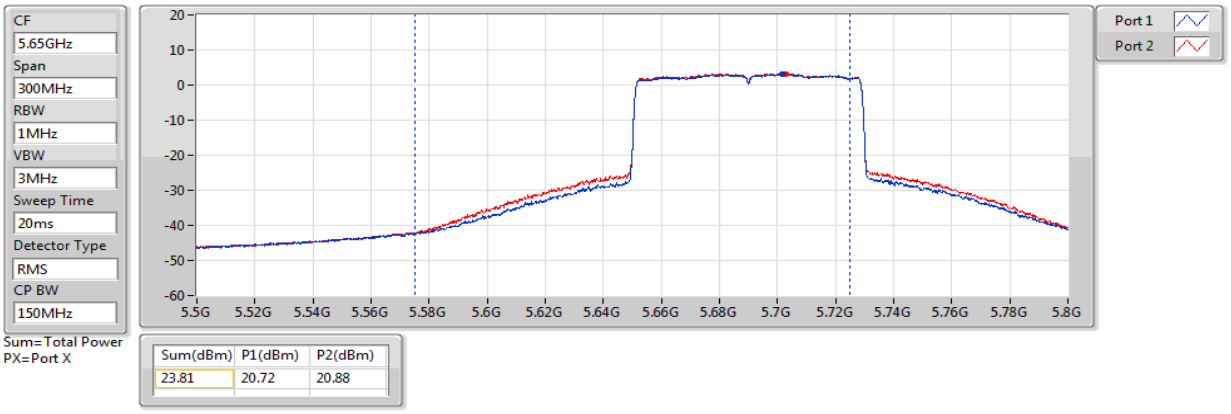
5710MHz Straddle 5.725-5.85GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
13.67	10.34	10.96

802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

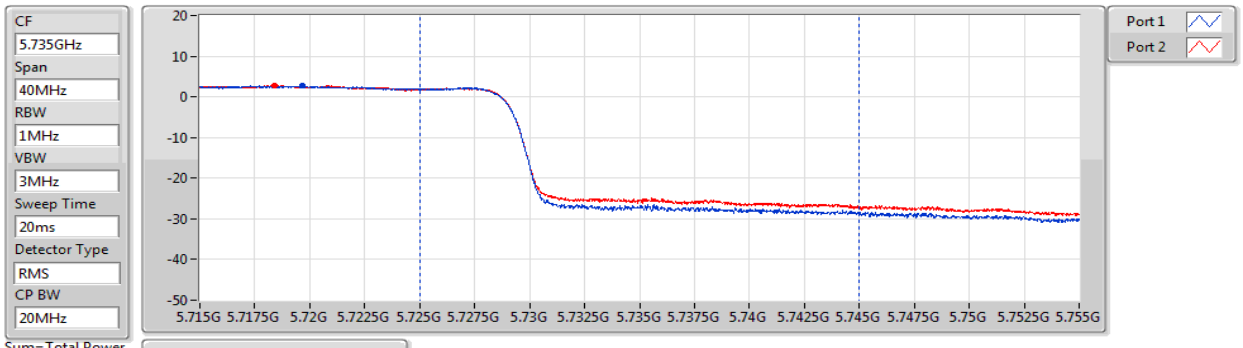
5690MHz Straddle 5.47-5.725GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
23.81	20.72	20.88

802.11ax HEW80_Nss1,(MCS0)_2TX **AV Power**

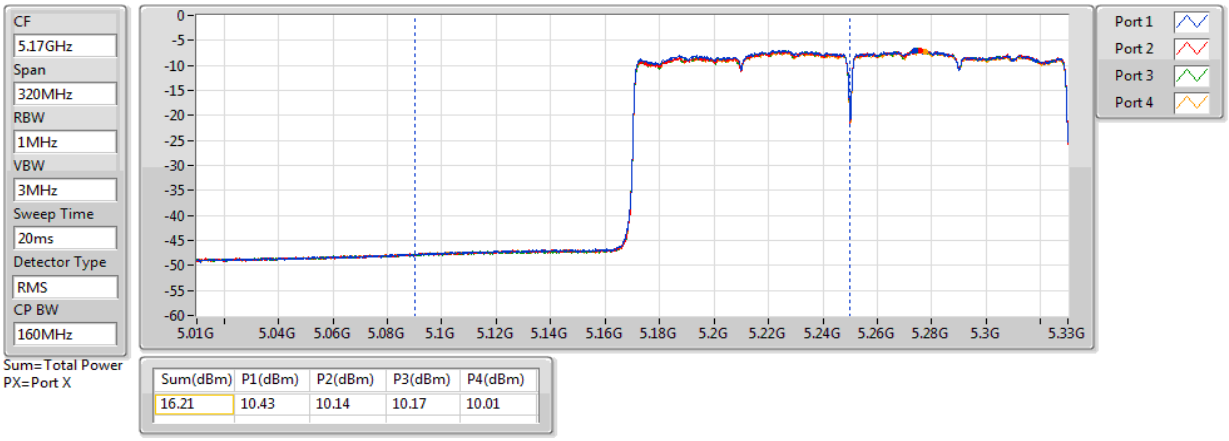
5690MHz Straddle 5.725-5.85GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
10.56	7.54	7.55

802.11ax HEW160_Nss1,(MCS0)_4TX **AV Power**

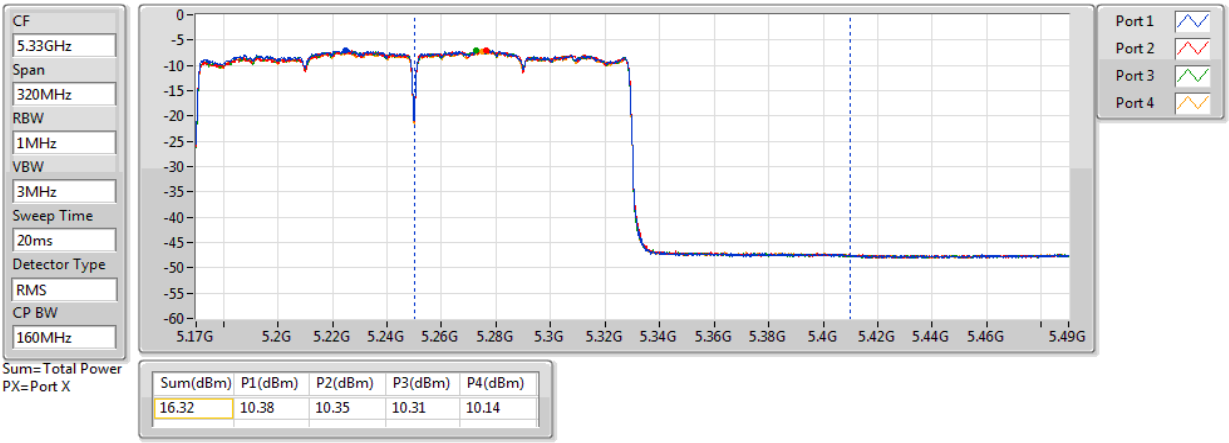
5250MHz Straddle 5.15-5.25GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.21	10.43	10.14	10.17	10.01

802.11ax HEW160_Nss1,(MCS0)_4TX **AV Power**

5250MHz Straddle 5.25-5.35GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.32	10.38	10.35	10.31	10.14

Beamforming mode

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.15-5.25GHz	-	-	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	16.00	0.03981	25.15	0.32734
5.25-5.35GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	20.69	0.11722	29.84	0.96383
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	20.39	0.10940	29.54	0.89950
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	20.44	0.11066	29.59	0.90991
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	16.14	0.04111	25.29	0.33806
5.47-5.725GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	23.04	0.20137	28.88	0.77268
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	23.81	0.24044	29.65	0.92257
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	23.55	0.22646	29.39	0.86896
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA	18.35	0.06839	24.19	0.26242
5.725-5.895GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	24.83	0.30409	30.89	1.22744
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	24.62	0.28973	30.68	1.16950
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	24.75	0.29854	30.81	1.20504
5.725-5.85GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	17.43	0.05534	23.49	0.22336
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	13.47	0.02223	19.53	0.08974
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	10.27	0.01064	16.33	0.04295

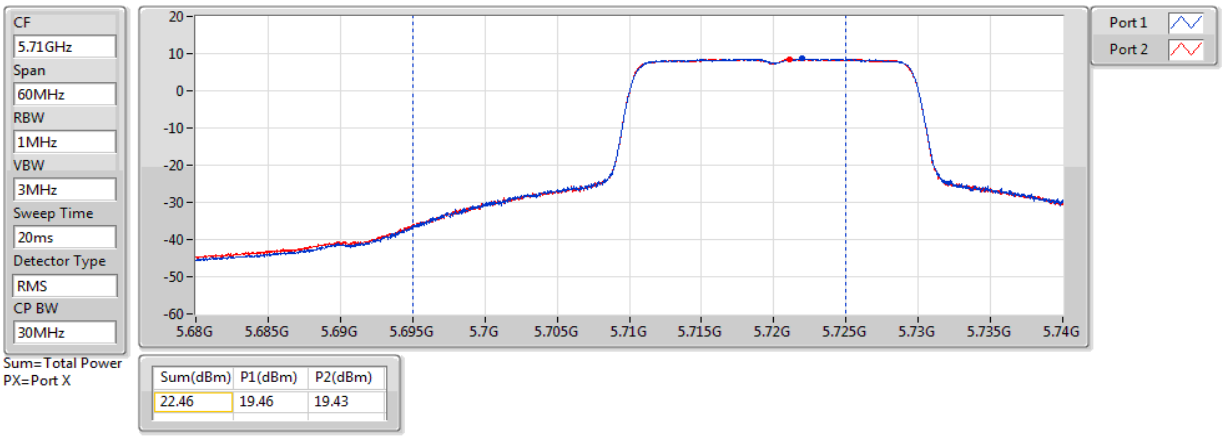
Result

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-OFDMA										
5260MHz	Pass	9.15	14.71	14.52	14.69	14.64	20.66	20.85	29.81	30.00
5300MHz	Pass	9.15	14.82	14.66	14.65	14.55	20.69	20.85	29.84	30.00
5320MHz	Pass	9.15	14.58	14.61	14.39	14.46	20.53	20.85	29.68	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	5.84	16.45	16.62			19.55	24.00	25.39	30.00
5580MHz	Pass	5.84	20.64	19.31			23.04	24.00	28.88	30.00
5700MHz	Pass	5.84	16.98	17.04			20.02	24.00	25.86	30.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.84	19.46	19.43			22.46	22.94	28.30	28.94
5720MHz Straddle 5.725-5.85GHz	Pass	6.06	14.37	14.47			17.43	29.94	23.49	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	6.06	21.2	22.37			24.83	Inf	30.89	36.00
5865MHz	Pass	6.06	21.06	22.32			24.75	Inf	30.81	36.00
5885MHz	Pass	6.06	20.81	22.35			24.66	Inf	30.72	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	9.15	14.63	14.34	14.28	14.21	20.39	20.85	29.54	30.00
5310MHz	Pass	9.15	14.56	14.38	14.19	14.29	20.38	20.85	29.53	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	5.84	15.61	15.92			18.78	24.00	24.62	30.00
5590MHz	Pass	5.84	21.08	20.49			23.81	24.00	29.65	30.00
5670MHz	Pass	5.84	17.14	17.92			20.56	24.00	26.40	30.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.84	19.77	20.36			23.09	24.00	28.93	30.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.06	10.22	10.69			13.47	29.94	19.53	36.00
5835MHz-traddle 5.725-5.895GHz	Pass	6.06	21	22.14			24.62	Inf	30.68	36.00
5875MHz	Pass	6.06	20.51	22.07			24.37	Inf	30.43	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	9.15	14.42	14.25	14.66	14.35	20.44	20.85	29.59	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	5.84	15.39	15.68			18.55	24.00	24.39	30.00
5610MHz	Pass	5.84	18.64	18.17			21.42	24.00	27.26	30.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.84	20.46	20.61			23.55	24.00	29.39	30.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.06	7.21	7.31			10.27	29.94	16.33	36.00
5855MHz-traddle 5.725-5.895GHz	Pass	6.06	21.06	22.33			24.75	Inf	30.81	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA										
5250MHz Straddle 5.15-5.25GHz	Pass	9.15	10.3	9.81	9.93	9.88	16.00	26.85	25.15	36.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.15	10.25	10.07	10.1	10.04	16.14	20.85	25.29	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	5.84	15.23	15.45			18.35	24.00	24.19	30.00

DG = Directional Gain; Port X = Port X output power
For 5150~5250MHz:
Directional gain = 10 x log((10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 30 dBm – (9.15 dBi – 6 dBi) = 26.85 dBm.
For 5250~5350MHz:
Directional gain = 10 x log(10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 24 dBm – (9.15 dBi – 6 dBi) = 20.85 dBm.
For 5470~5725MHz:
Directional gain = 10 x log((10$^{3.28/20}$+10$^{2.36/20}$)^2/2) = 5.84 dBi
For 5725~5850MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi > 6 dBi, Limit shall be reduced to 30 dBm – (6.06 dBi – 6 dBi) = 29.94 dBm.
For 5850~5895MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.47-5.725GHz_TnomVnom

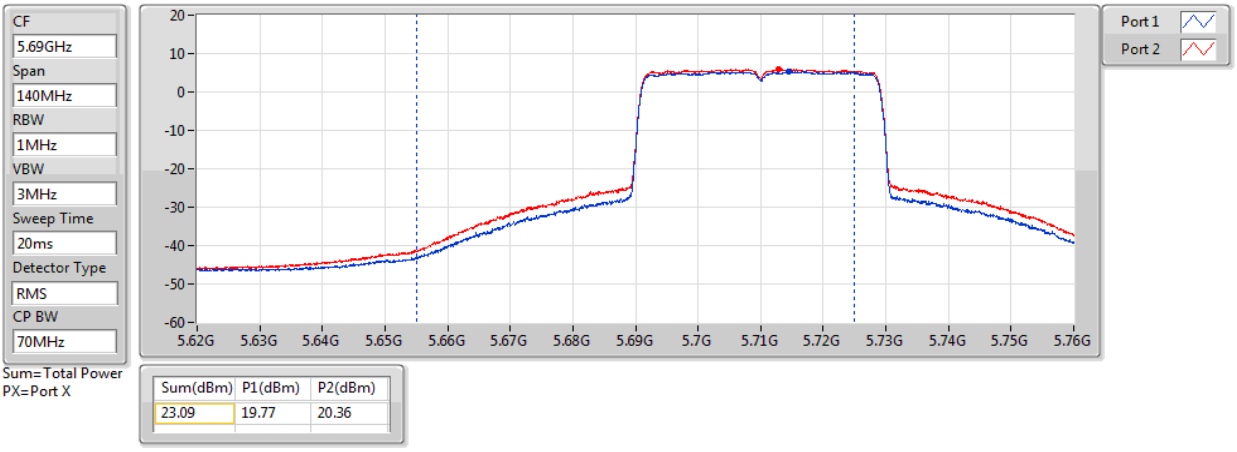


802.11ax HEW20-BF_Nss1,(MCS0)_2TX **AV Power**

5720MHz Straddle 5.725-5.85GHz_TnomVnom

802.11ax HEW40-BF_Nss1,(MCS0)_2TX AV Power

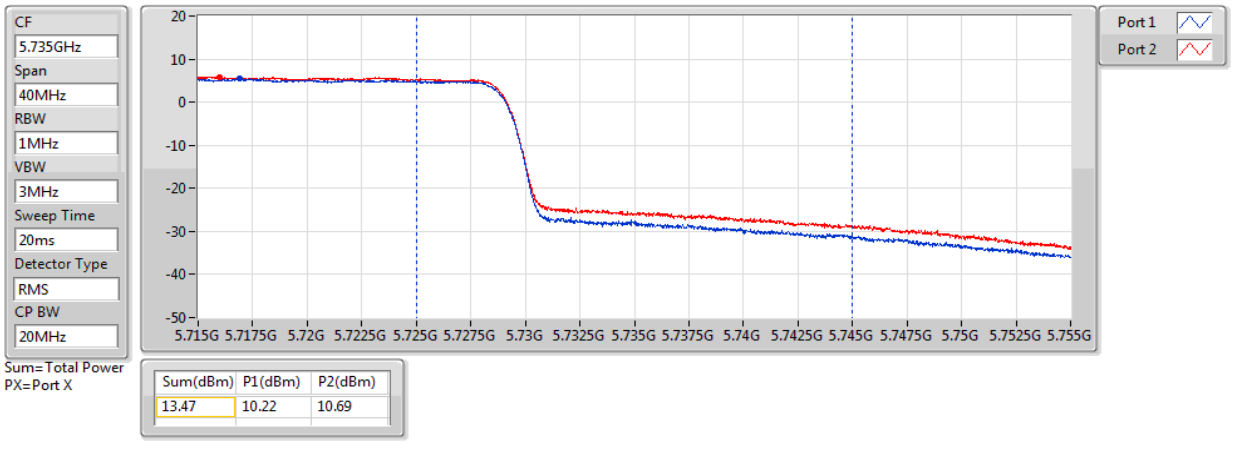
5710MHz Straddle 5.47-5.725GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
23.09	19.77	20.36

802.11ax HEW40-BF_Nss1,(MCS0)_2TX AV Power

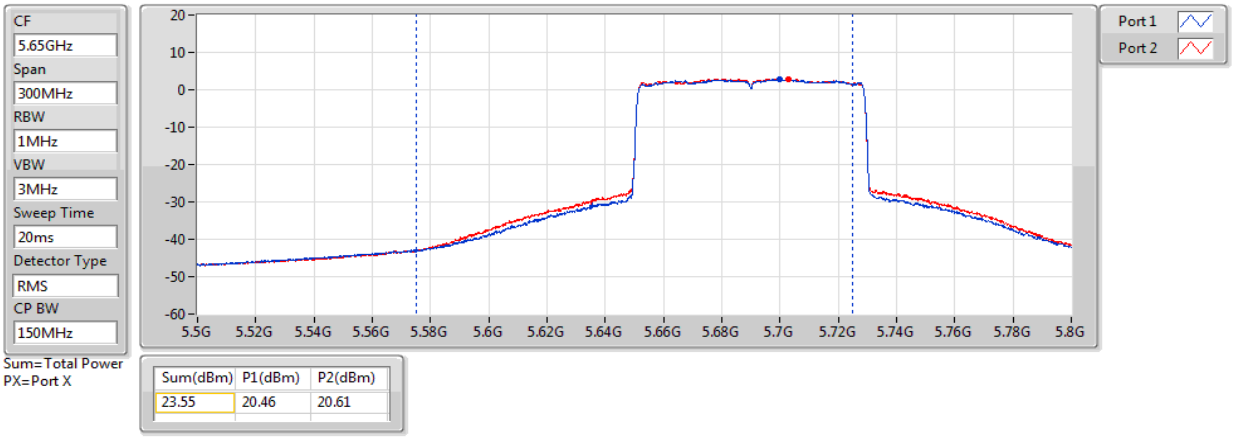
5710MHz Straddle 5.725-5.85GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)
13.47	10.22	10.69

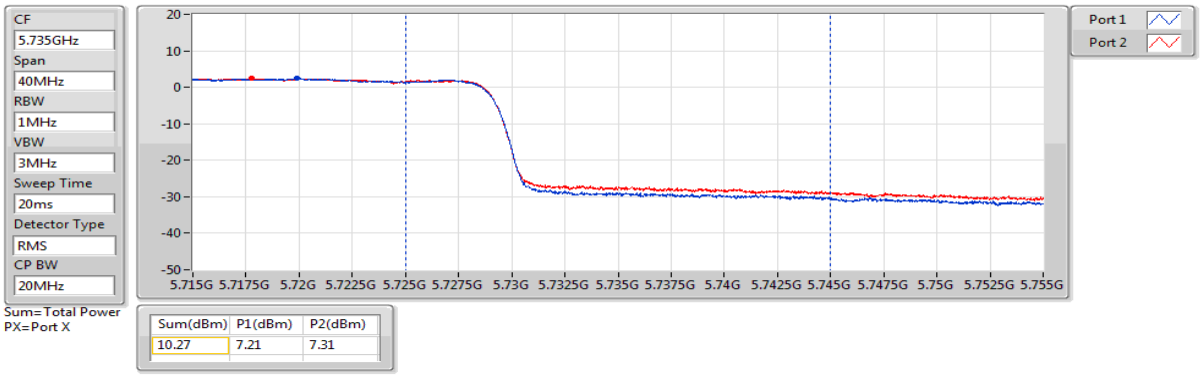
802.11ax HEW80-BF_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.47-5.725GHz_TnomVnom



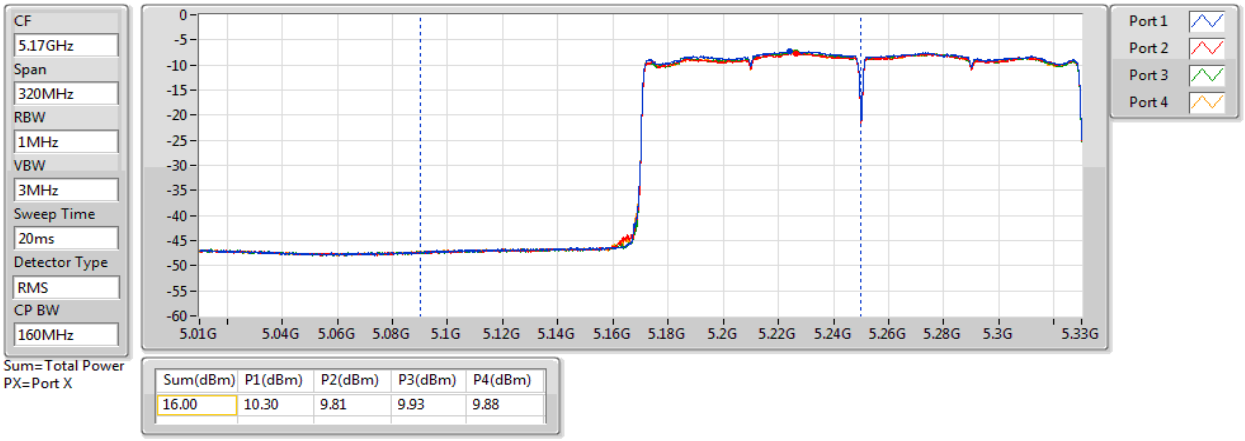
802.11ax HEW80-BF_Nss1,(MCS0)_2TX **AV Power**

5690MHz Straddle 5.725-5.85GHz_TnomVnom



802.11ax HEW160-BF_Nss1,(MCS0)_4TX AV Power

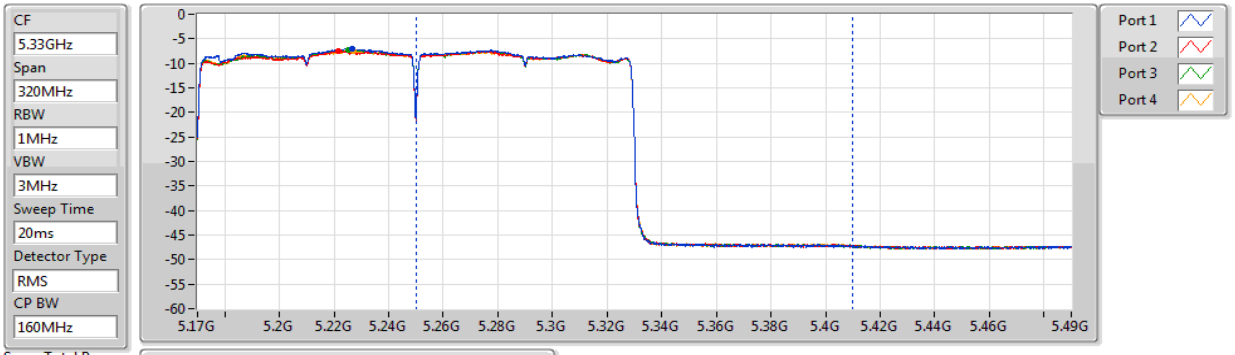
5250MHz Straddle 5.15-5.25GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.00	10.30	9.81	9.93	9.88

802.11ax HEW160-BF_Nss1,(MCS0)_4TX AV Power

5250MHz Straddle 5.25-5.35GHz_TnomVnom



Sum(dBm)	P1(dBm)	P2(dBm)	P3(dBm)	P4(dBm)
16.14	10.25	10.07	10.10	10.04

3.4 Peak Power Spectral Density

3.4.1 Limit of Peak Power Spectral Density

Frequency Band (MHz)		Limit
☒	5250 ~ 5350	11 dBm / MHz
☒	5470 ~ 5725	11 dBm / MHz

Frequency Band: 5850 ~ 5895 MHz		Limit
☒	Indoor Access Point device	EIRP 20 dBm/MHz
☐	Subordinate device	EIRP 20 dBm/MHz
☐	Client device	EIRP 14 dBm/MHz

3.4.2 Test Procedures

For 5250 ~ 5350 MHz / 5470 ~ 5725 MHz / 5850 ~ 5895 MHz

Duty cycle ≥ 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

For 5725 ~ 5850 MHz

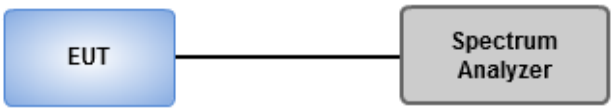
Duty cycle ≥ 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.

Duty cycle < 98 %

1. Set RBW = 500 kHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time ≥ 10 * (number of points in sweep) * (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add 10 log(1/x), where x is the duty cycle.

3.4.3 Test Setup



3.4.4 Test Result of Peak Power Spectral Density

Ambient Condition	18°C / 68%	Tested By	Aska Huang

Non-beamforming mode

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-2.11	7.04
5.25-5.35GHz	-	-
802.11a_Nss1,(6Mbps)_4TX	7.68	16.83
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA	7.58	16.73
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA	7.17	16.32
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA	3.17	12.32
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA	-2.31	6.84
5.47-5.725GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	10.79	16.63
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	10.41	16.25
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	7.95	13.79
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	4.63	10.47
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA	-2.27	3.57
5.725-5.895GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	11.21	17.27
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	11.01	17.07
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	8.08	14.14
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	5.34	11.40
5.725-5.85GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	9.06	15.12
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA	8.66	14.72
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA	5.42	11.48
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA	2.21	8.27

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

Result

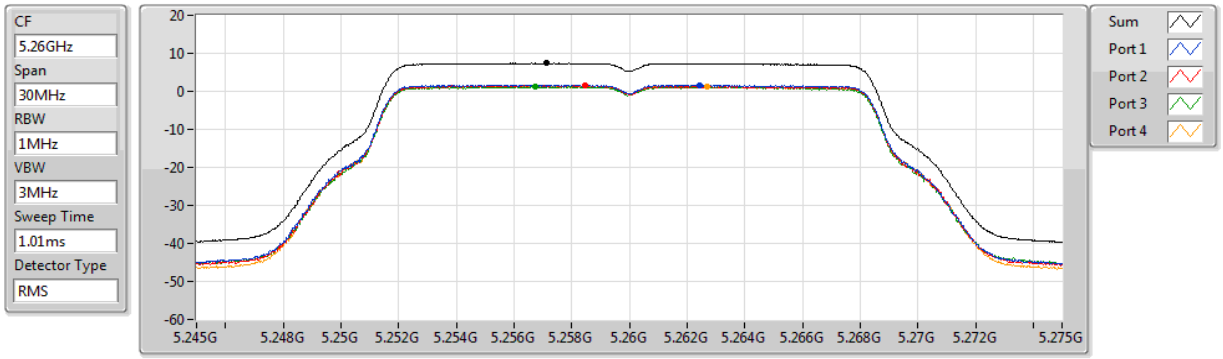
Mode	Result	DG (dBi)	Port 1 (dBm/ RBW)	Port 2 (dBm/ RBW)	Port 3 (dBm/ RBW)	Port 4 (dBm/ RBW)	PD (dBm/ RBW)	PD Limit (dBm/ RBW)	EIRP PD (dBm/ RBW)	EIRP PD Limit (dBm/ RBW)
802.11a_Nss1,(6Mbps)_4TX										
5260MHz	Pass	9.15	1.68	1.56	1.32	1.39	7.41	7.85	16.56	17.00
5300MHz	Pass	9.15	1.63	1.51	1.24	1.30	7.31	7.85	16.46	17.00
5320MHz	Pass	9.15	1.86	1.79	1.66	1.69	7.68	7.85	16.83	17.00
802.11a_Nss1,(6Mbps)_2TX										
5500MHz	Pass	5.84	3.80	4.01			6.81	11.00	12.65	17.00
5580MHz	Pass	5.84	8.07	6.74			10.40	11.00	16.24	17.00
5700MHz	Pass	5.84	4.56	5.00			7.68	11.00	13.52	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.84	7.88	7.82			10.79	11.00	16.63	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.06	6.08	6.24			9.06	29.94	15.12	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	6.06	7.58	8.73			11.12	Inf	17.18	20.00
5865MHz	Pass	6.06	7.57	8.92			11.21	Inf	17.27	20.00
5885MHz	Pass	6.06	7.29	9.10			11.21	Inf	17.27	20.00
802.11ax HEW20_Nss1,(MCS0)_4TX-OFDMA										
5260MHz	Pass	9.15	1.91	1.82	1.48	1.65	7.58	7.85	16.73	17.00
5300MHz	Pass	9.15	1.82	1.69	1.56	1.52	7.53	7.85	16.68	17.00
5320MHz	Pass	9.15	1.80	1.71	1.46	1.61	7.55	7.85	16.70	17.00
802.11ax HEW20_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	5.84	3.51	3.68			6.57	11.00	12.41	17.00
5580MHz	Pass	5.84	7.87	6.51			10.19	11.00	16.03	17.00
5700MHz	Pass	5.84	3.92	4.14			6.90	11.00	12.74	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.84	7.44	7.58			10.41	11.00	16.25	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.06	5.78	5.80			8.66	29.94	14.72	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	6.06	7.15	8.42			10.80	Inf	16.86	20.00
5865MHz	Pass	6.06	7.34	8.71			11.01	Inf	17.07	20.00
5885MHz	Pass	6.06	7.04	8.62			10.78	Inf	16.84	20.00
802.11ax HEW40_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	9.15	1.48	1.36	1.17	1.26	7.17	7.85	16.32	17.00
5310MHz	Pass	9.15	-0.31	-0.37	-0.53	-0.46	5.44	7.85	14.59	17.00
802.11ax HEW40_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	5.84	-0.29	-0.11			2.68	11.00	8.52	17.00
5590MHz	Pass	5.84	5.33	4.74			7.95	11.00	13.79	17.00
5670MHz	Pass	5.84	2.28	3.18			5.60	11.00	11.44	17.00
5710MHz Straddle	Pass	5.84	3.98	4.74			7.32	11.00	13.16	17.00

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)
5.47-5.725GHz										
5710MHz Straddle 5.725-5.85GHz	Pass	6.06	2.28	2.83			5.42	29.94	11.48	36.00
5835MHz-traddle 5.725-5.895GHz	Pass	6.06	3.98	5.42			7.70	Inf	13.76	20.00
5875MHz	Pass	6.06	4.05	6.05			8.08	Inf	14.14	20.00
802.11ax HEW80_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	9.15	-2.66	-2.65	-2.81	-3.02	3.17	7.85	12.32	17.00
802.11ax HEW80_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	5.84	-3.12	-3.15			-0.19	11.00	5.65	17.00
5610MHz	Pass	5.84	-0.32	-0.63			2.40	11.00	8.24	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.84	1.71	1.78			4.63	11.00	10.47	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.06	-0.65	-0.71			2.21	29.94	8.27	36.00
5855MHz-traddle 5.725-5.895GHz	Pass	6.06	1.69	3.05			5.34	Inf	11.40	20.00
802.11ax HEW160_Nss1,(MCS0)_4TX-OFDMA										
5250MHz Straddle 5.15-5.25GHz	Pass	9.15	-7.82	-8.19	-7.99	-8.23	-2.11	13.85	7.04	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.15	-8.25	-8.35	-8.24	-8.38	-2.31	7.85	6.84	17.00
802.11ax HEW160_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	5.84	-5.70	-4.82			-2.27	11.00	3.57	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;
For 5150~5250MHz:
Directional gain = 10 x log((10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 17 dBm – (9.15 dBi – 6 dBi) = 13.85 dBm.
For 5250~5350MHz:
Directional gain = 10 x log(10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 11 dBm – (9.15 dBi – 6 dBi) =7.85 dBm.
For 5470~5725MHz:
Directional gain = 10 x log((10$^{3.28/20}$+10$^{2.36/20}$)^2/2) = 5.84 dBi
For 5725~5850MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi > 6 dBi, Limit shall be reduced to 30 dBm – (6.06 dBi – 6 dBi) = 29.94 dBm.
For 5850~5895MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi

802.11a_Nss1,(6Mbps)_4TX PSD

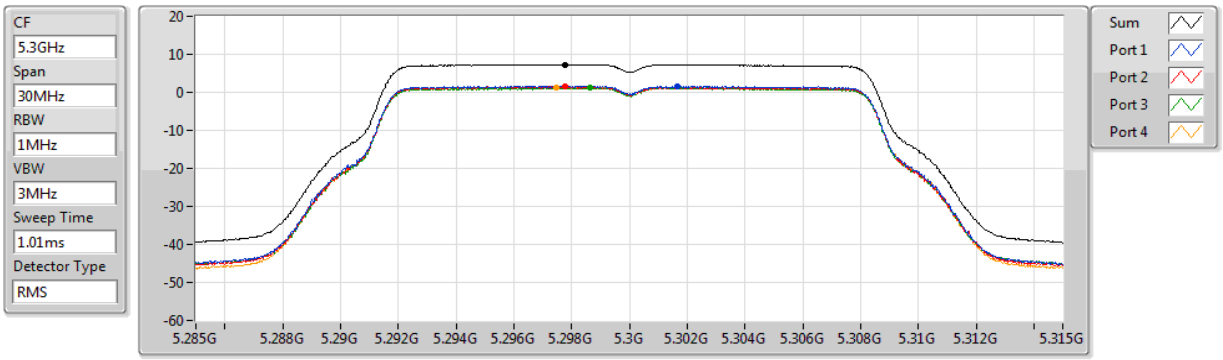
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.41	7.41	1.68	1.56	1.32	1.39

802.11a_Nss1,(6Mbps)_4TX PSD

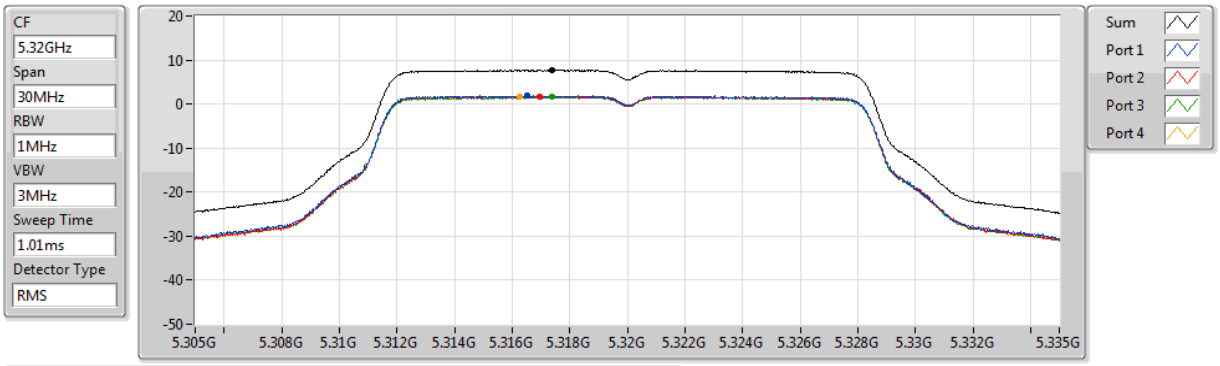
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.31	7.31	1.63	1.51	1.24	1.30

802.11a_Nss1,(6Mbps)_4TX **PSD**

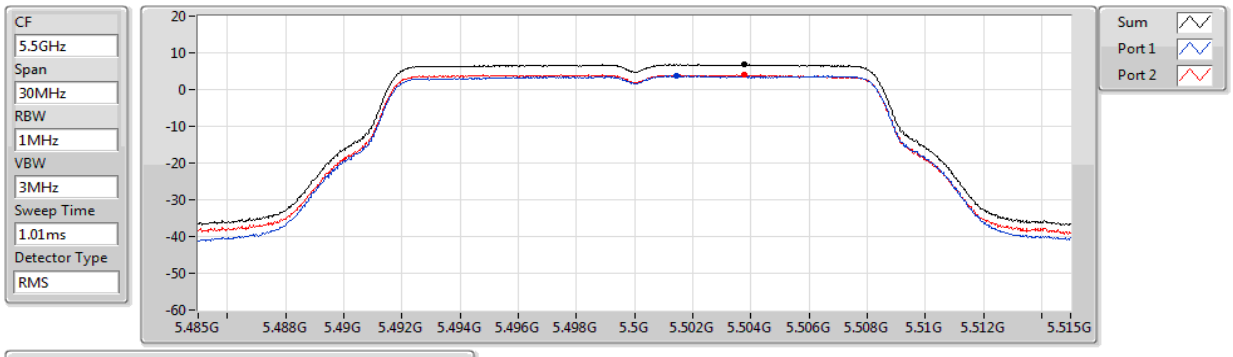
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	1.86	1.79	1.66	1.69

802.11a_Nss1,(6Mbps)_2TX **PSD**

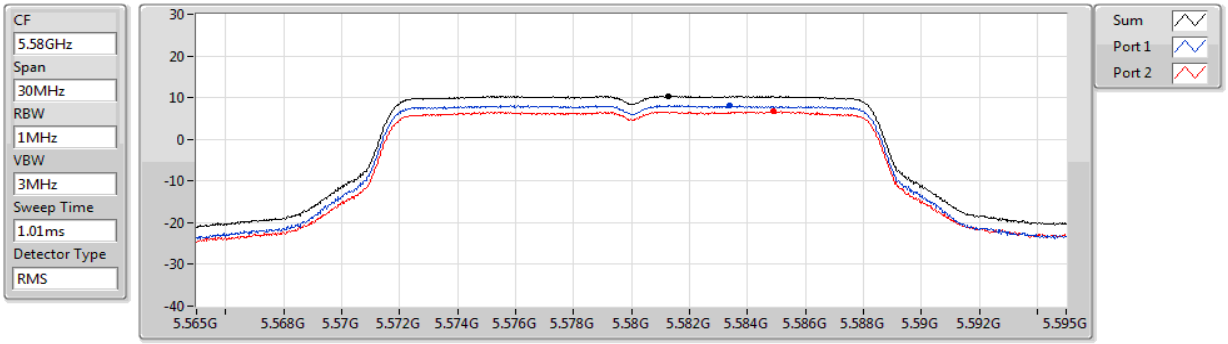
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.81	6.81	3.80	4.01

802.11a_Nss1,(6Mbps)_2TX **PSD**

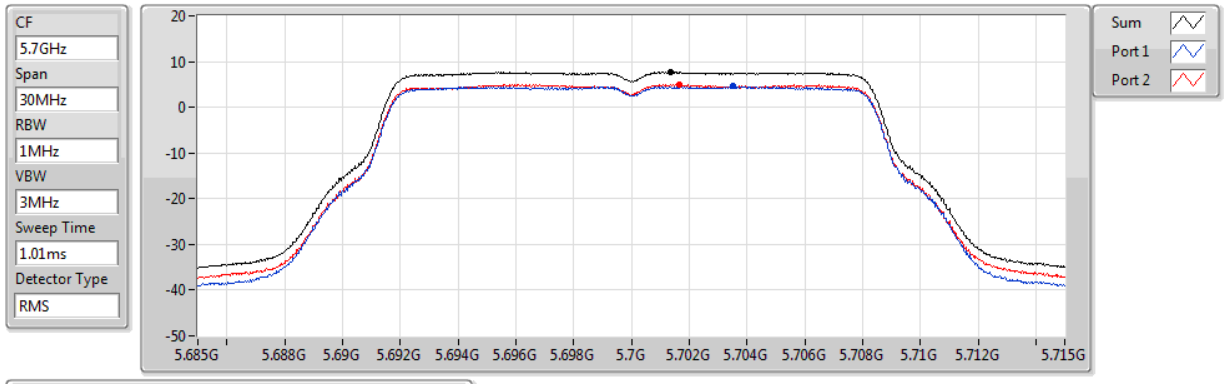
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.40	10.40	8.07	6.74

802.11a_Nss1,(6Mbps)_2TX **PSD**

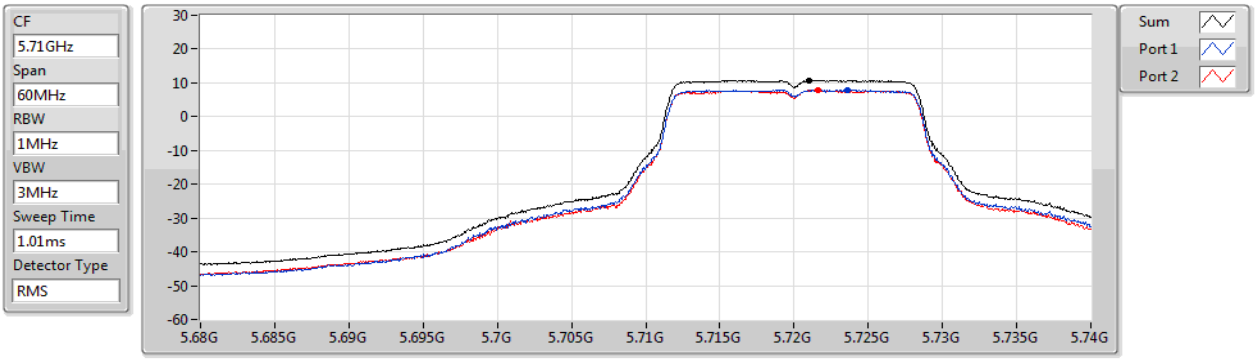
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.68	7.68	4.56	5.00

802.11a_Nss1,(6Mbps)_2TX **PSD**

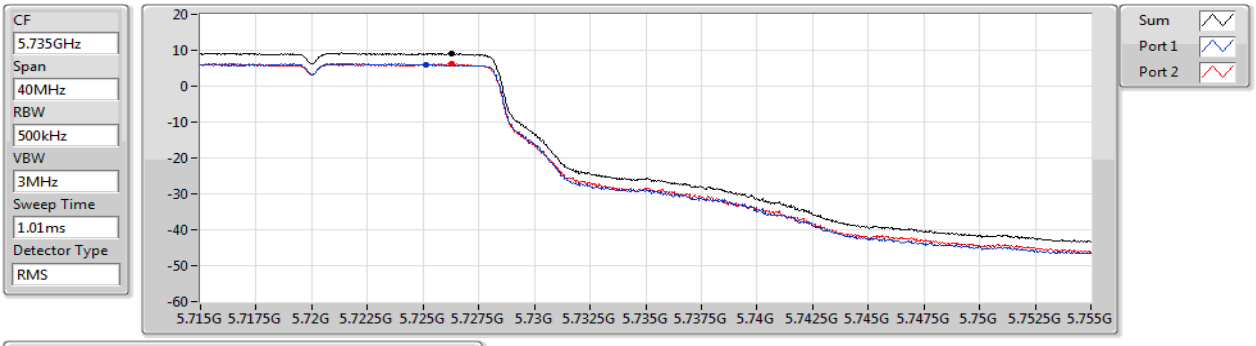
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.79	10.79	7.88	7.82

802.11a_Nss1,(6Mbps)_2TX **PSD**

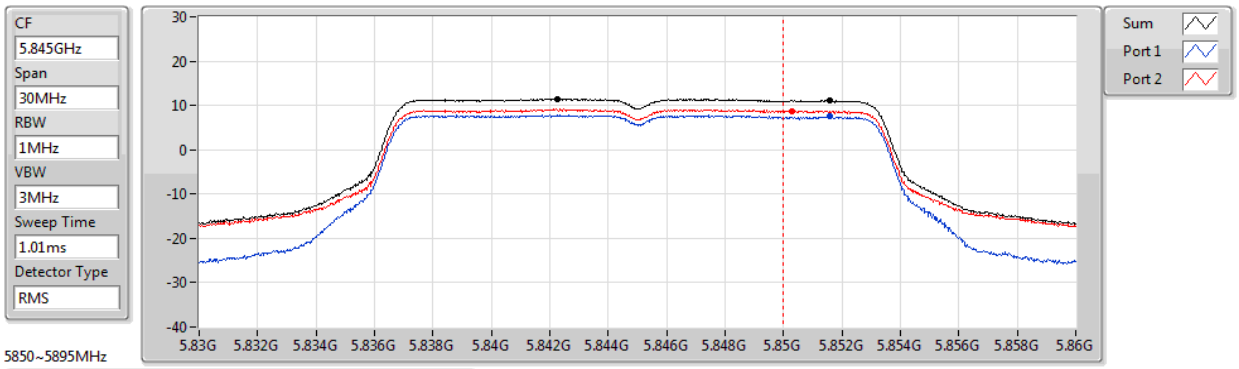
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
9.06	9.06	6.08	6.24

802.11a_Nss1,(6Mbps)_2TX PSD

5845MHz



5850~5895MHz

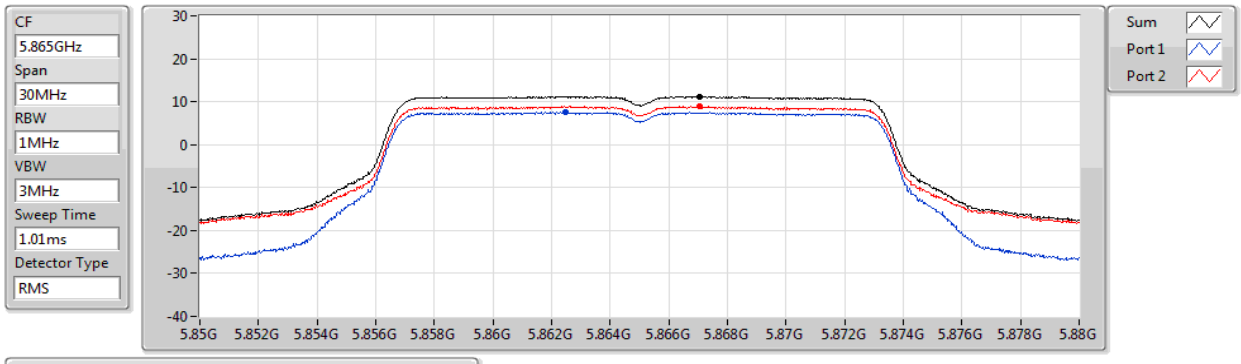
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.12	11.12	7.58	8.73

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
11.46	8.45	500k	-3.01

802.11a_Nss1,(6Mbps)_2TX PSD

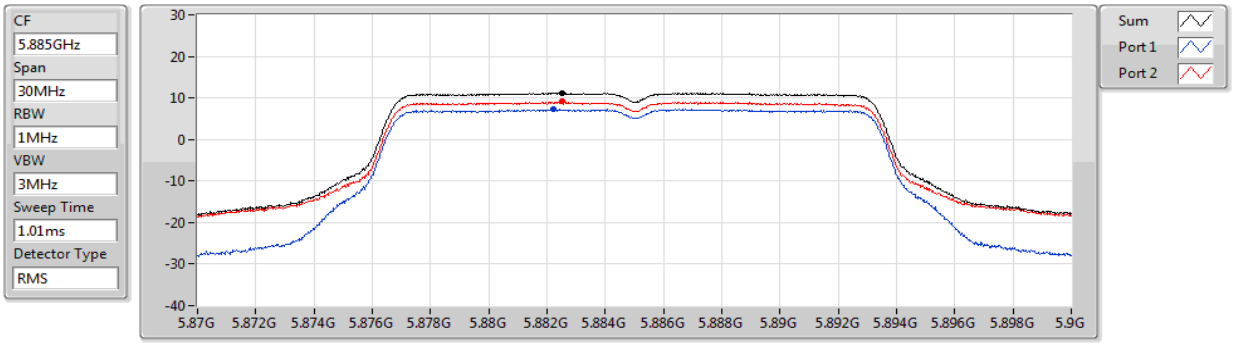
5865MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.21	11.21	7.57	8.92

802.11a_Nss1,(6Mbps)_2TX PSD

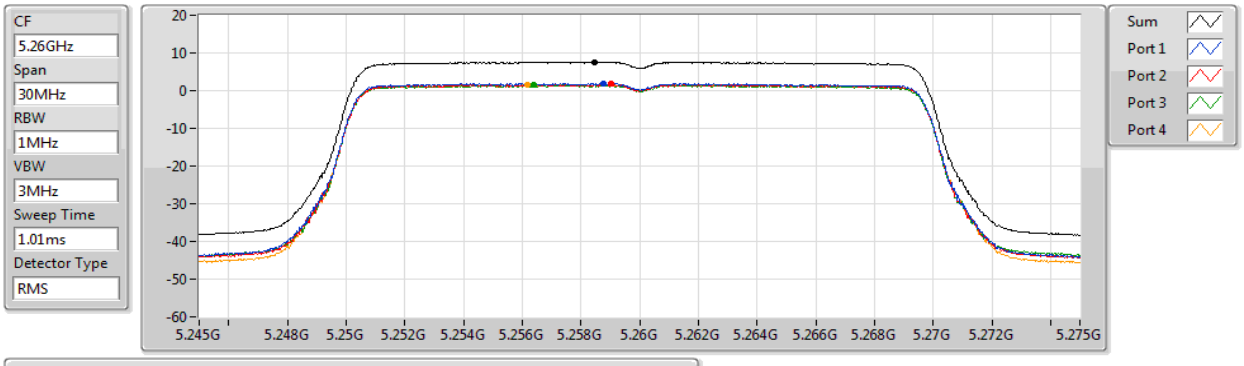
5885MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.21	11.21	7.29	9.10

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

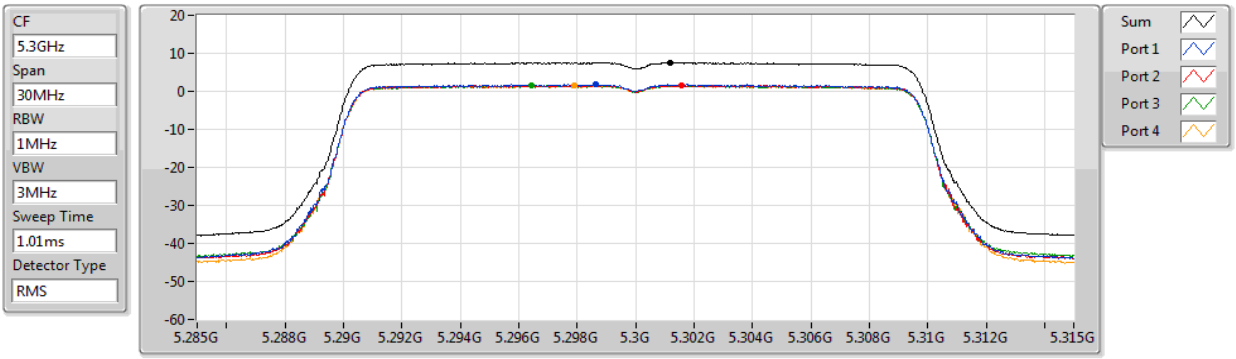
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.58	7.58	1.91	1.82	1.48	1.65

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

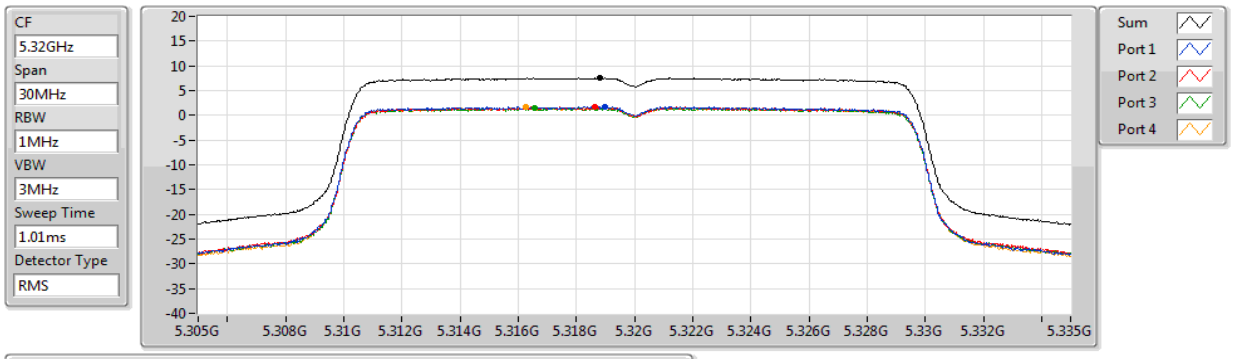
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.53	7.53	1.82	1.69	1.56	1.52

802.11ax HEW20_Nss1,(MCS0)_4TX PSD

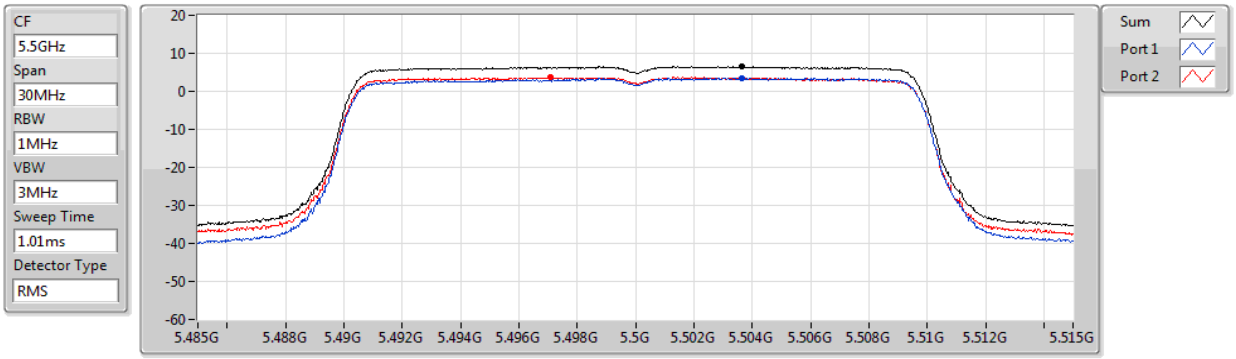
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.55	7.55	1.80	1.71	1.46	1.61

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

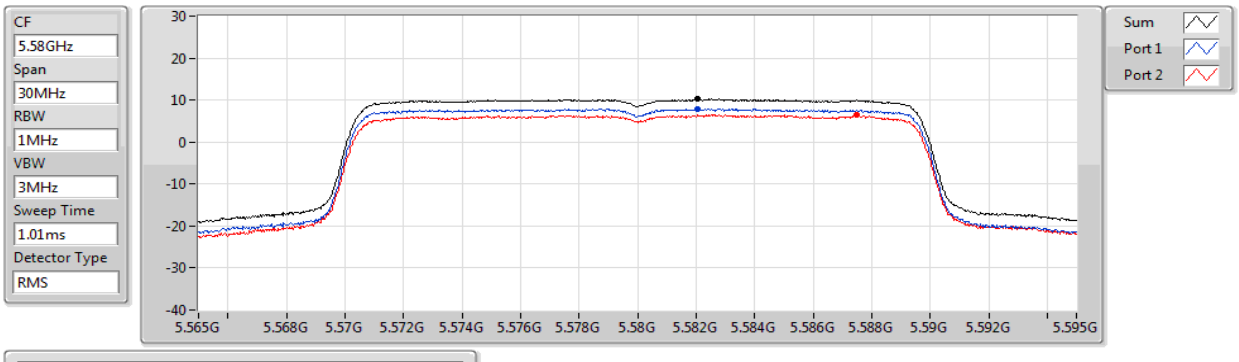
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.57	6.57	3.51	3.68

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

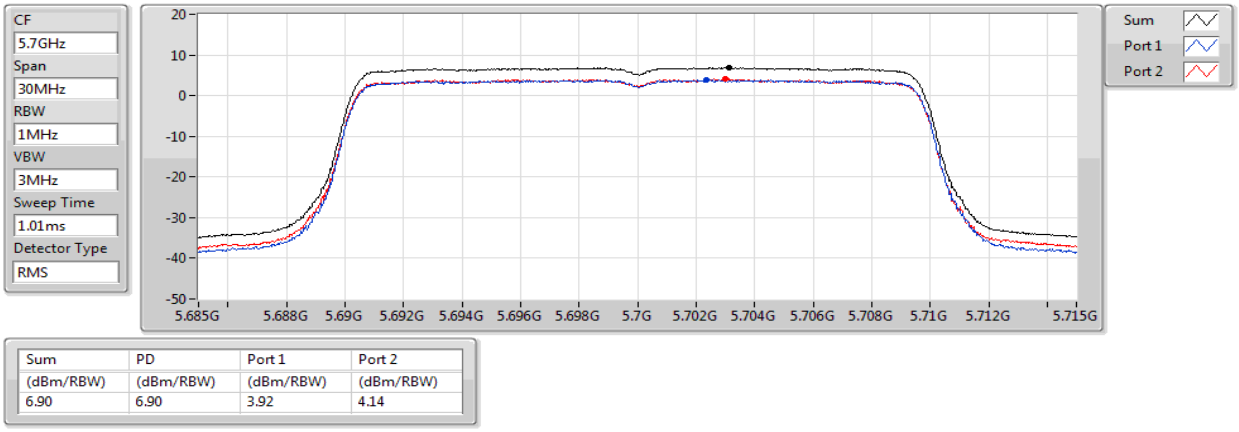
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.19	10.19	7.87	6.51

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

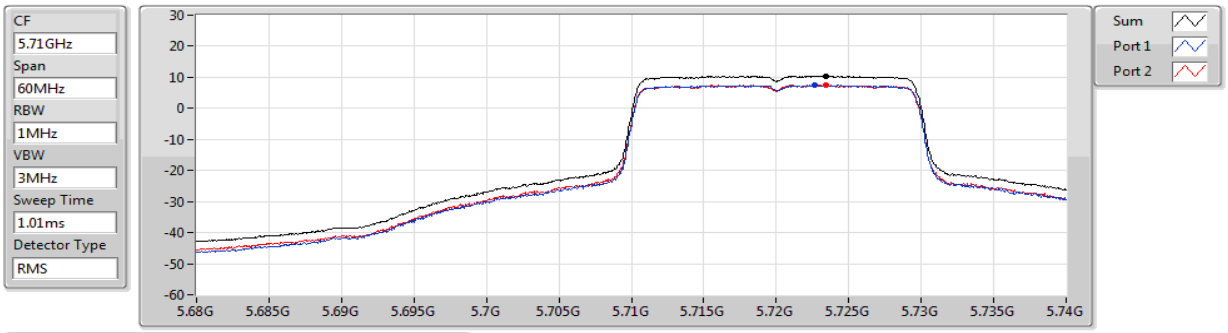
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.90	6.90	3.92	4.14

802.11ax HEW20_Nss1,(MCS0)_2TX **PSD**

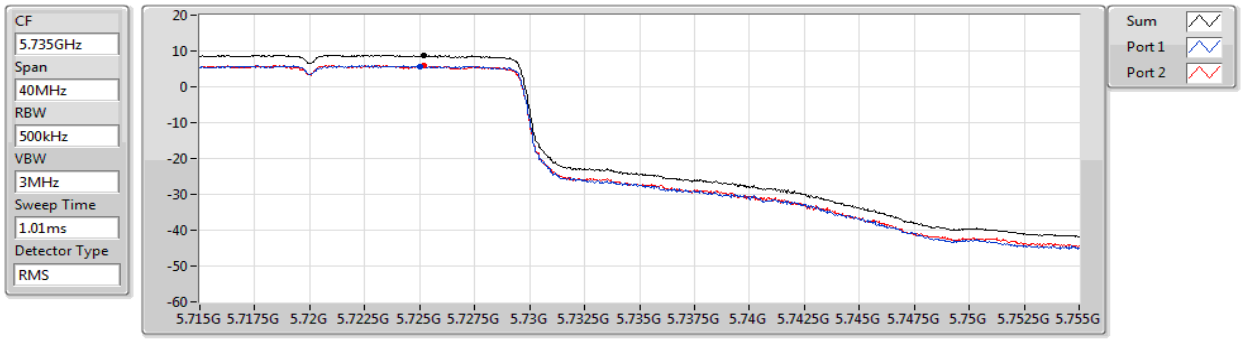
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.41	10.41	7.44	7.58

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

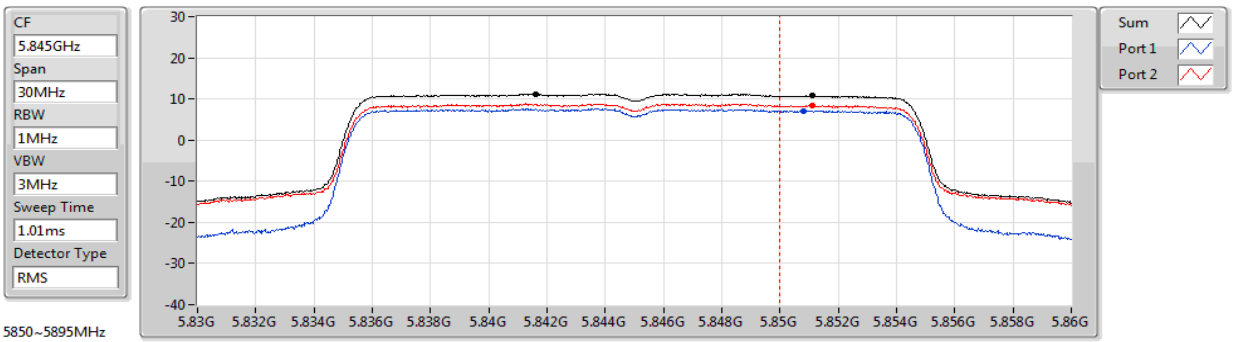
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.66	8.66	5.78	5.80

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

5845MHz



5850~5895MHz

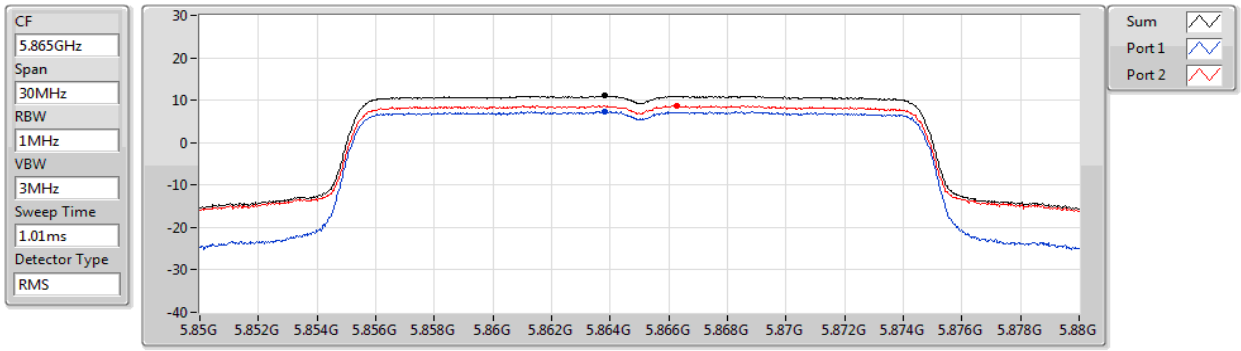
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.80	10.80	7.15	8.42

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
11.18	8.17	500k	-3.01

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

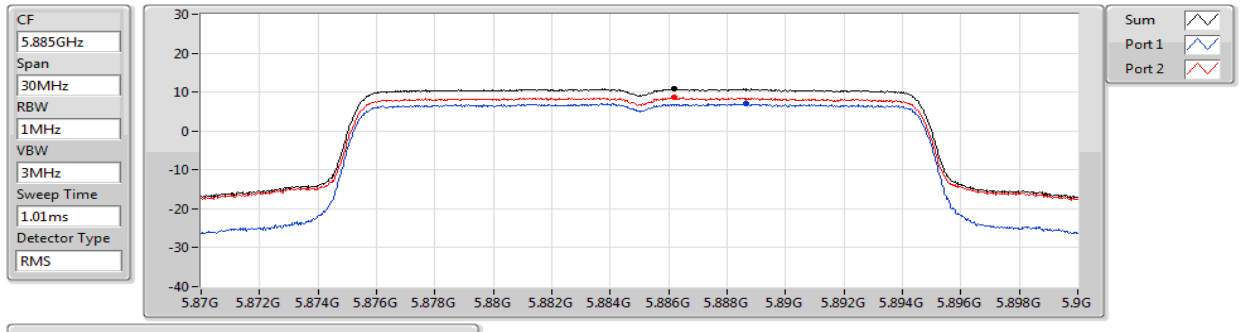
5865MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.01	11.01	7.34	8.71

802.11ax HEW20_Nss1,(MCS0)_2TX PSD

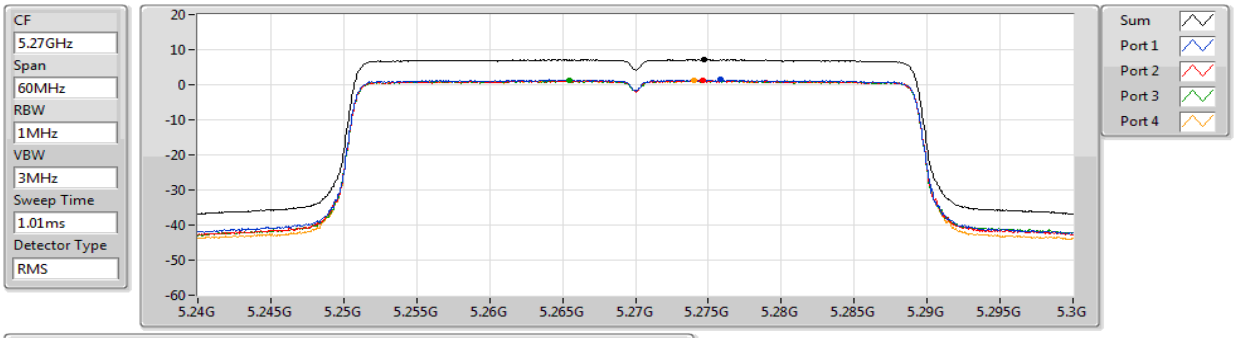
5885MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.78	10.78	7.04	8.62

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

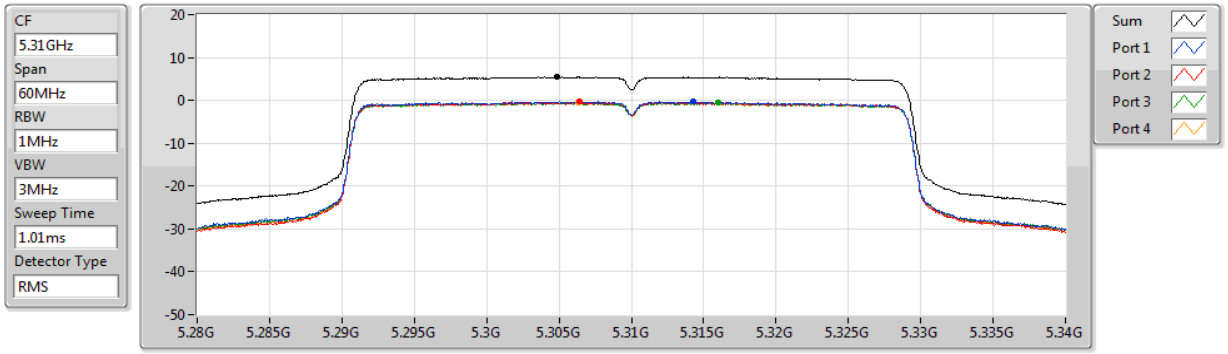
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.17	7.17	1.48	1.36	1.17	1.26

802.11ax HEW40_Nss1,(MCS0)_4TX **PSD**

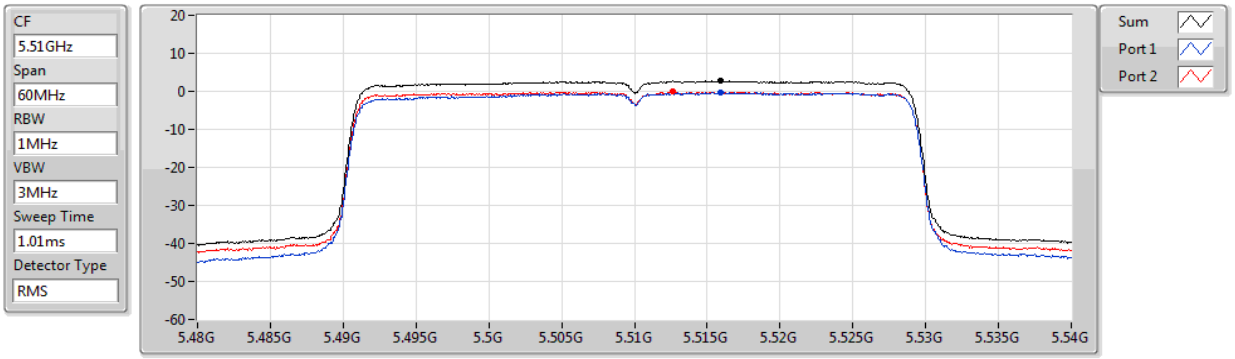
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.44	5.44	-0.31	-0.37	-0.53	-0.46

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

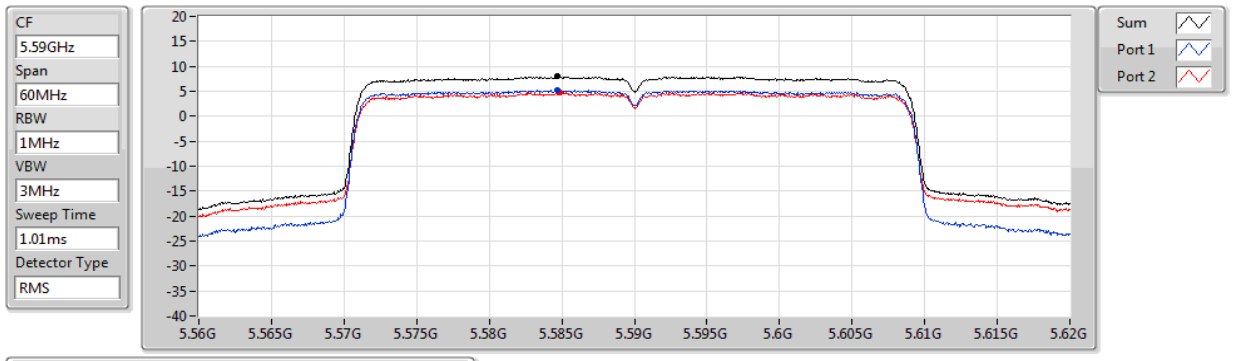
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.68	2.68	-0.29	-0.11

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

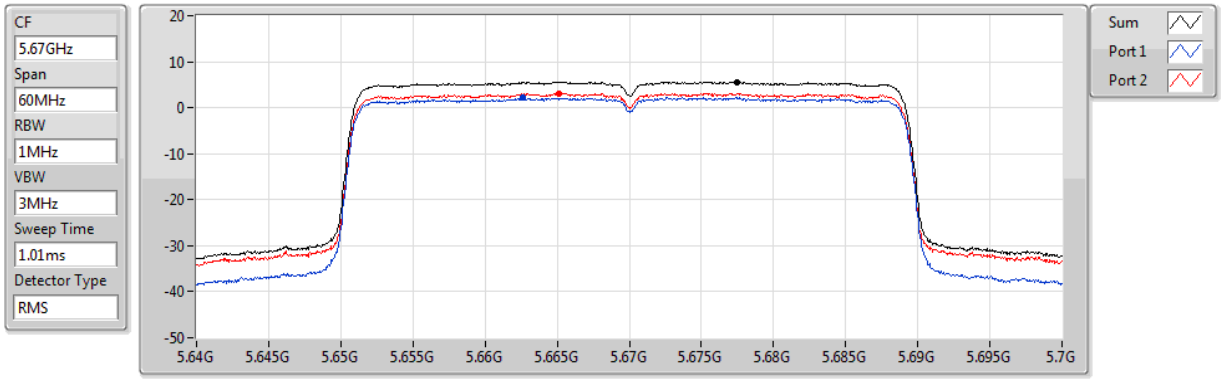
5590MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.95	7.95	5.33	4.74

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

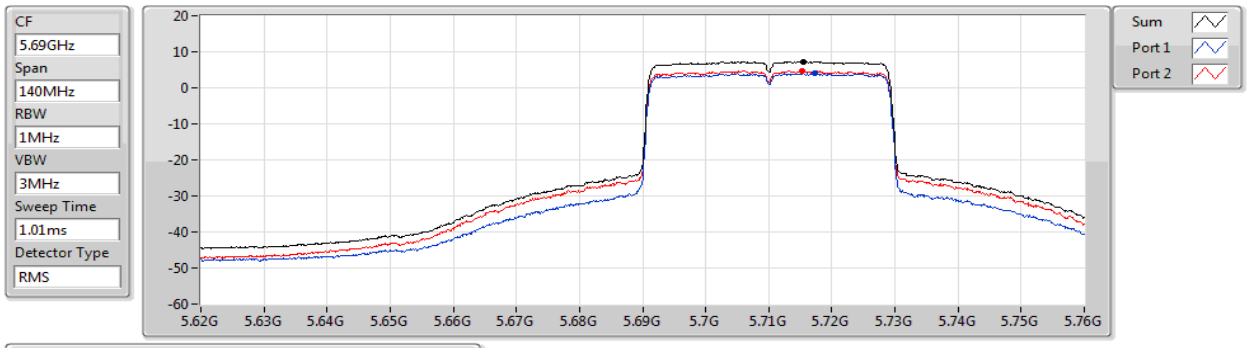
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.60	5.60	2.28	3.18

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

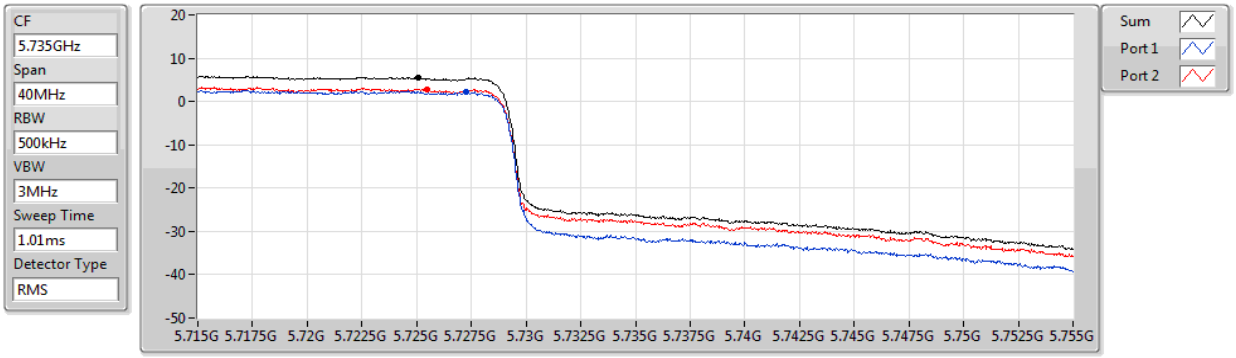
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.32	7.32	3.98	4.74

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

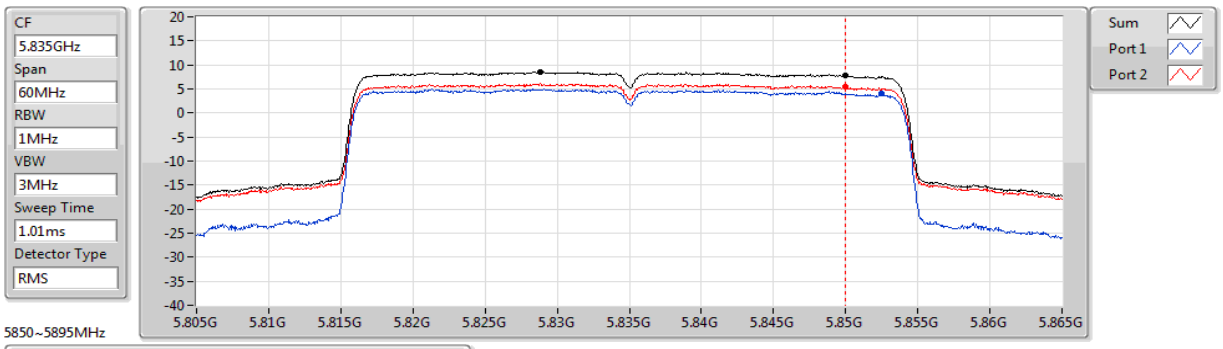
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.42	5.42	2.28	2.83

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

5835MHz



5850~5895MHz

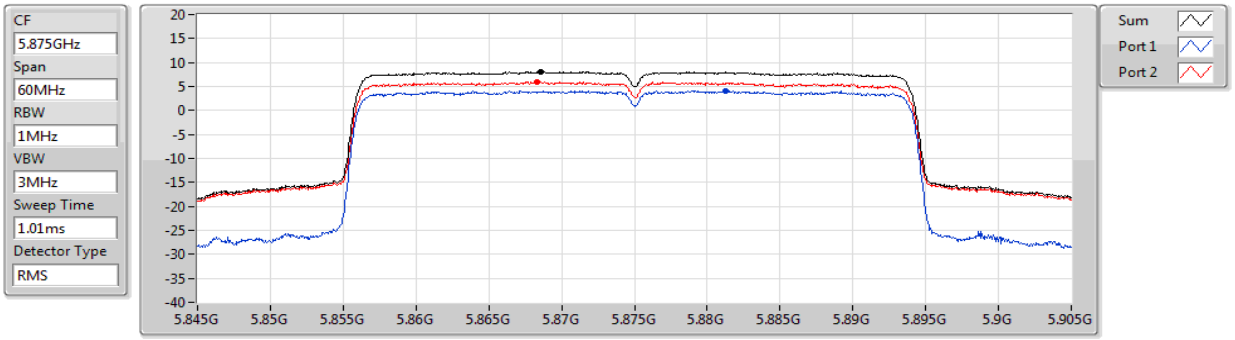
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.70	7.70	3.98	5.42

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
8.58	5.57	500k	-3.01

802.11ax HEW40_Nss1,(MCS0)_2TX PSD

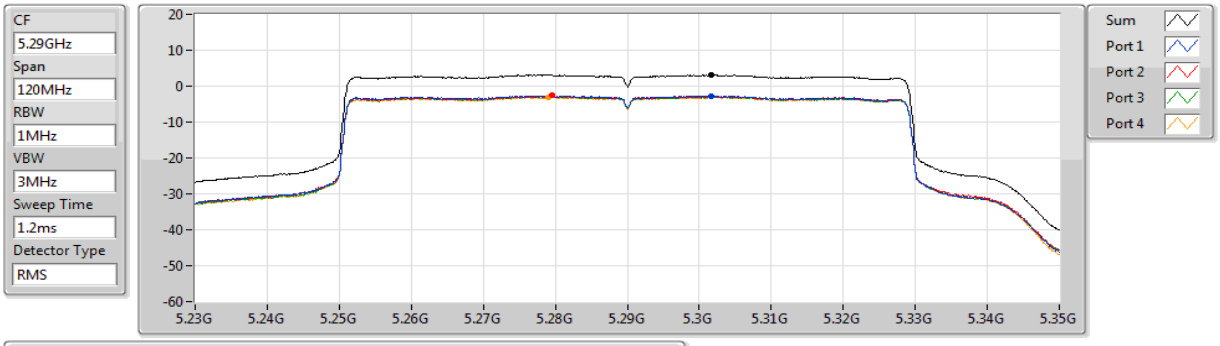
5875MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.08	8.08	4.05	6.05

802.11ax HEW80_Nss1,(MCS0)_4TX PSD

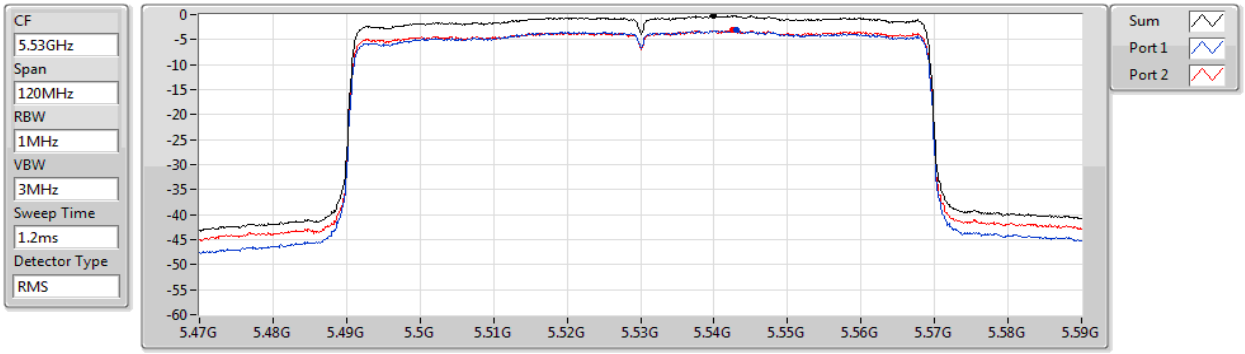
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.17	3.17	-2.66	-2.65	-2.81	-3.02

802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

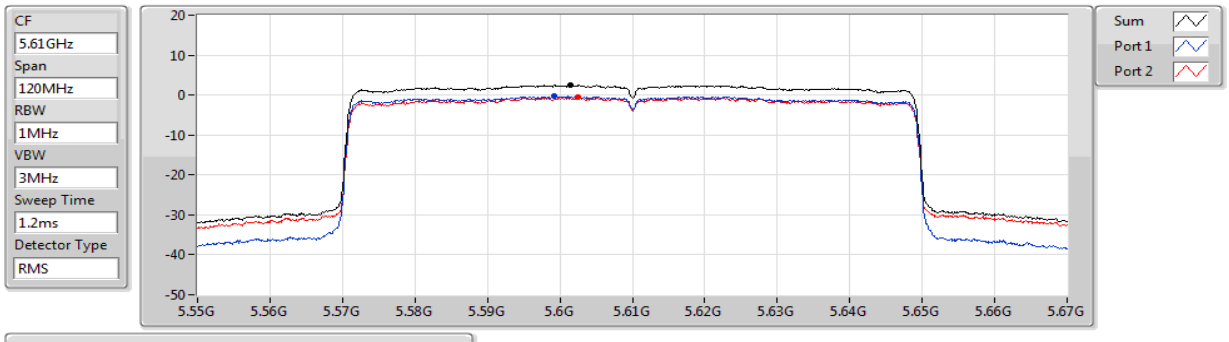
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.19	-0.19	-3.12	-3.15

802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

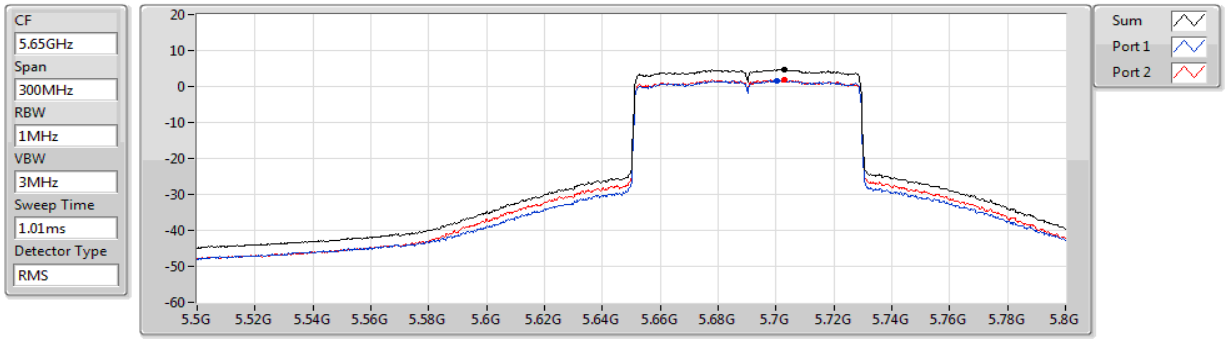
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.40	2.40	-0.32	-0.63

802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

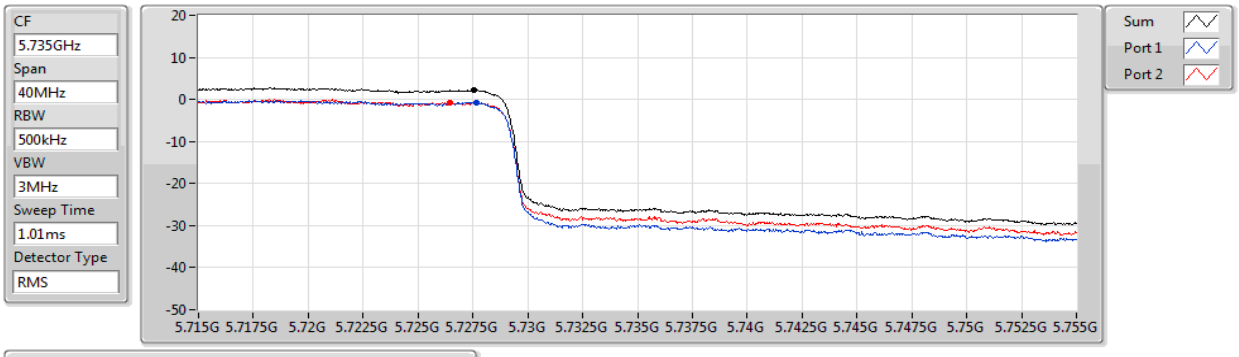
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.63	4.63	1.71	1.78

802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

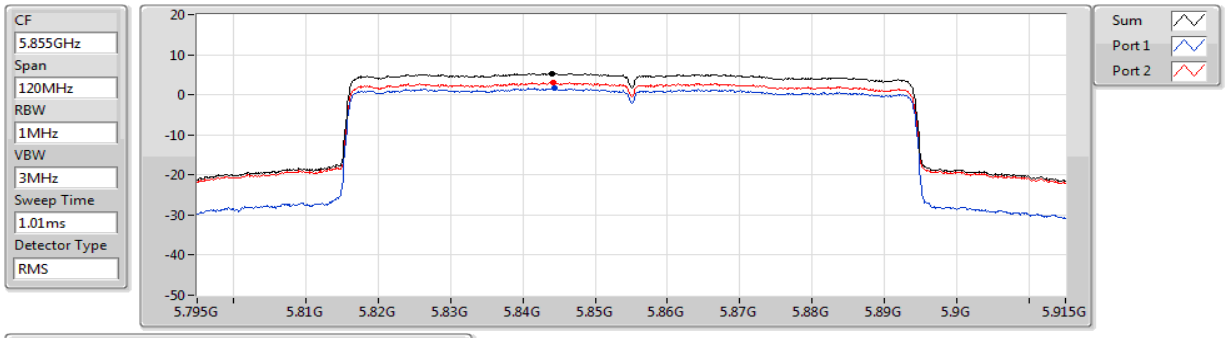
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.21	2.21	-0.65	-0.71

802.11ax HEW80_Nss1,(MCS0)_2TX **PSD**

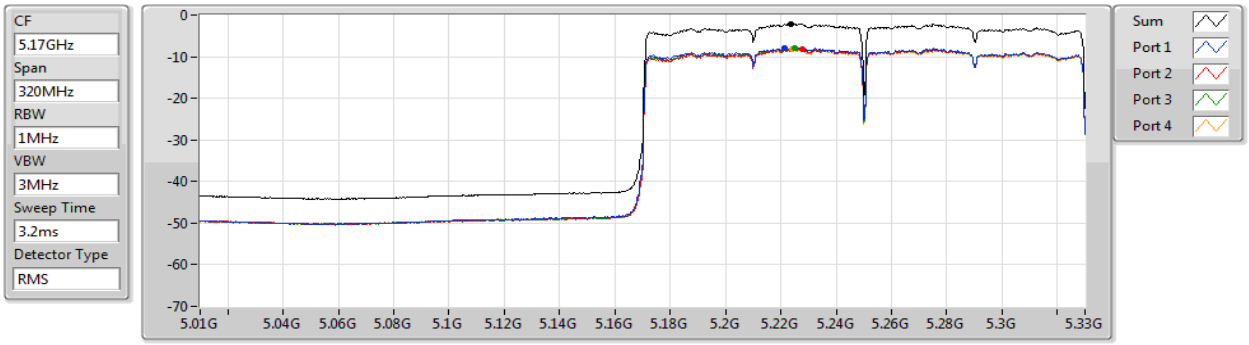
5855MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.34	5.34	1.69	3.05

802.11ax HEW160_Nss1,(MCS0)_4TX **PSD**

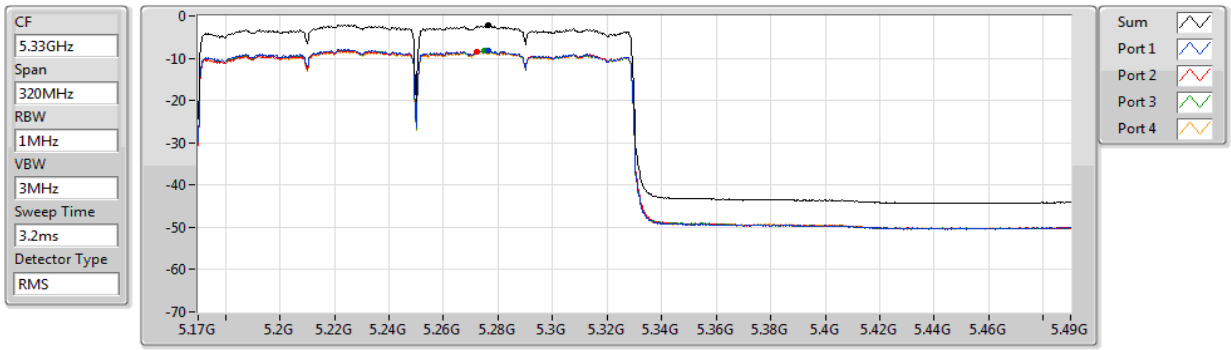
5250MHz Straddle 5.15-5.25GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.11	-2.11	-7.82	-8.19	-7.99	-8.23

802.11ax HEW160_Nss1,(MCS0)_4TX PSD

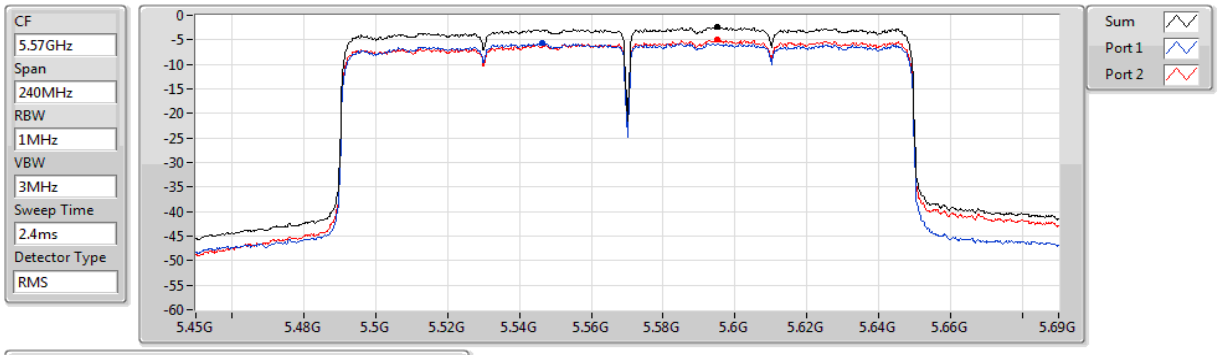
5250MHz Straddle 5.25-5.35GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.31	-2.31	-8.25	-8.35	-8.24	-8.38

802.11ax HEW160_Nss1,(MCS0)_2TX PSD

5570MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.27	-2.27	-5.70	-4.82

Beamforming mode

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.15-5.25GHz	-	-
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	-2.76	6.39
5.25-5.35GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA	7.36	16.51
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA	3.96	13.11
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA	1.10	10.25
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA	-2.96	6.19
5.47-5.725GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	10.53	16.37
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	8.16	14.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	4.33	10.17
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA	-2.19	3.65
5.725-5.895GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	12.11	18.17
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	8.70	14.76
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	6.52	12.58
5.725-5.85GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA	8.58	14.64
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA	5.26	11.32
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA	2.16	8.22

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

Result

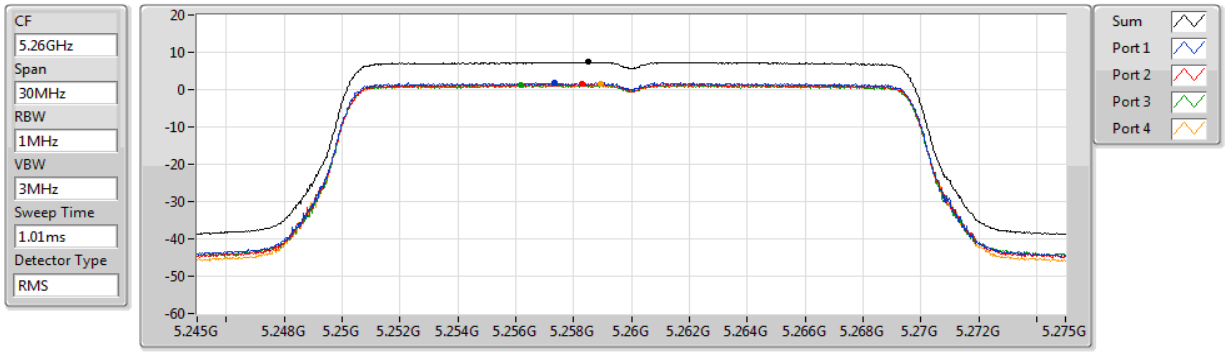
Mode	Result	DG (dBi)	Port 1 (dBm/ RBW)	Port 2 (dBm/ RBW)	Port 3 (dBm/ RBW)	Port 4 (dBm/ RBW)	PD (dBm/ RBW)	PD Limit (dBm/ RBW)	EIRP PD (dBm/ RBW)	EIRP PD Limit (dBm/ RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX-OFDMA										
5260MHz	Pass	9.15	1.88	1.58	1.30	1.45	7.36	7.85	16.51	17.00
5300MHz	Pass	9.15	1.72	1.51	1.26	1.50	7.36	7.85	16.51	17.00
5320MHz	Pass	9.15	1.52	1.45	1.34	1.36	7.28	7.85	16.43	17.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX-OFDMA										
5500MHz	Pass	5.84	3.86	4.20			6.97	11.00	12.81	17.00
5580MHz	Pass	5.84	8.22	6.94			10.53	11.00	16.37	17.00
5700MHz	Pass	5.84	4.35	4.53			7.37	11.00	13.21	17.00
5720MHz Straddle 5.47-5.725GHz	Pass	5.84	7.24	7.23			10.03	11.00	15.87	17.00
5720MHz Straddle 5.725-5.85GHz	Pass	6.06	5.57	5.73			8.58	29.94	14.64	36.00
5845MHz-traddle 5.725-5.895GHz	Pass	6.06	8.77	9.81			12.11	Inf	18.17	20.00
5865MHz	Pass	6.06	8.20	10.00			11.99	Inf	18.05	20.00
5885MHz	Pass	6.06	8.05	9.79			11.89	Inf	17.95	20.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX-OFDMA										
5270MHz	Pass	9.15	-1.64	-1.89	-2.01	-2.01	3.96	7.85	13.11	17.00
5310MHz	Pass	9.15	-1.73	-1.95	-1.96	-1.86	3.96	7.85	13.11	17.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX-OFDMA										
5510MHz	Pass	5.84	-0.04	0.26			2.96	11.00	8.80	17.00
5590MHz	Pass	5.84	5.47	5.03			8.16	11.00	14.00	17.00
5670MHz	Pass	5.84	1.64	2.47			4.92	11.00	10.76	17.00
5710MHz Straddle 5.47-5.725GHz	Pass	5.84	3.99	4.62			7.11	11.00	12.95	17.00
5710MHz Straddle 5.725-5.85GHz	Pass	6.06	2.19	2.64			5.26	29.94	11.32	36.00
5835MHz-traddle 5.725-5.895GHz	Pass	6.06	4.44	5.79			8.14	Inf	14.20	20.00
5875MHz	Pass	6.06	4.92	6.58			8.70	Inf	14.76	20.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX-OFDMA										
5290MHz	Pass	9.15	-4.63	-4.73	-4.61	-4.89	1.10	7.85	10.25	17.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX-OFDMA										
5530MHz	Pass	5.84	-2.41	-2.53			0.42	11.00	6.26	17.00
5610MHz	Pass	5.84	0.54	0.33			3.27	11.00	9.11	17.00
5690MHz Straddle 5.47-5.725GHz	Pass	5.84	1.30	1.44			4.33	11.00	10.17	17.00
5690MHz Straddle 5.725-5.85GHz	Pass	6.06	-0.55	-0.95			2.16	29.94	8.22	36.00
5855MHz-traddle	Pass	6.06	2.66	4.31			6.52	Inf	12.58	20.00

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)
5.725-5.895GHz										
802.11ax HEW160-BF_Nss1,(MCS0)_4TX-OFDMA										
5250MHz Straddle 5.15-5.25GHz	Pass	9.15	-8.61	-8.67	-8.67	-8.86	-2.76	13.85	6.39	23.00
5250MHz Straddle 5.25-5.35GHz	Pass	9.15	-8.82	-8.86	-8.91	-9.06	-2.96	7.85	6.19	17.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX-OFDMA										
5570MHz	Pass	5.84	-5.49	-4.69			-2.19	11.00	3.65	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;
For 5150~5250MHz:
Directional gain = 10 x log((10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 17 dBm – (9.15 dBi – 6 dBi) = 13.85 dBm.
For 5250~5350MHz:
Directional gain = 10 x log(10$^{3.35/20}$+10$^{2.19/20}$+10$^{2.62/20}$+10$^{4.23/20}$)^2/4) = 9.15 dBi > 6 dBi, Limit shall be reduced to 11 dBm – (9.15 dBi – 6 dBi) =7.85 dBm.
For 5470~5725MHz:
Directional gain = 10 x log((10$^{3.28/20}$+10$^{2.36/20}$)^2/2) = 5.84 dBi
For 5725~5850MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi > 6 dBi, Limit shall be reduced to 30 dBm – (6.06 dBi – 6 dBi) = 29.94 dBm.
For 5850~5895MHz:
Directional gain = 10 x log((10$^{2.16/20}$+10$^{3.85/20}$)^2/2) = 6.06 dBi

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **PSD**

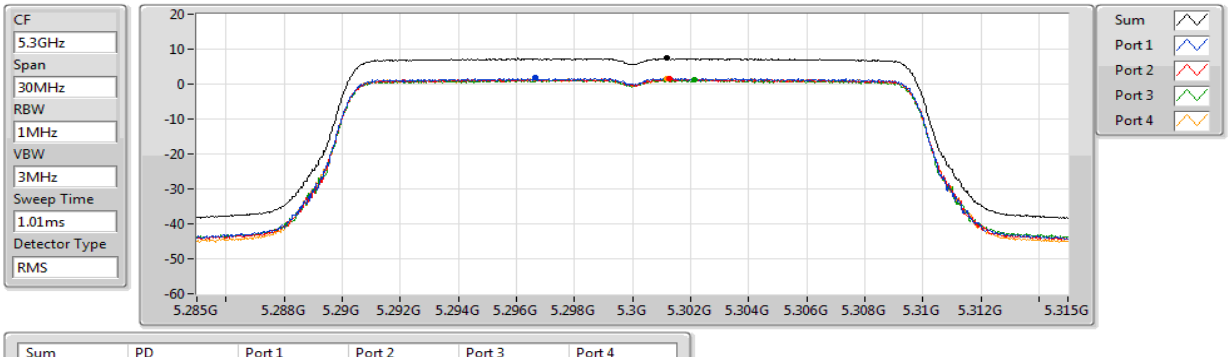
5260MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	1.88	1.58	1.30	1.45

802.11ax HEW20-BF_Nss1,(MCS0)_4TX **PSD**

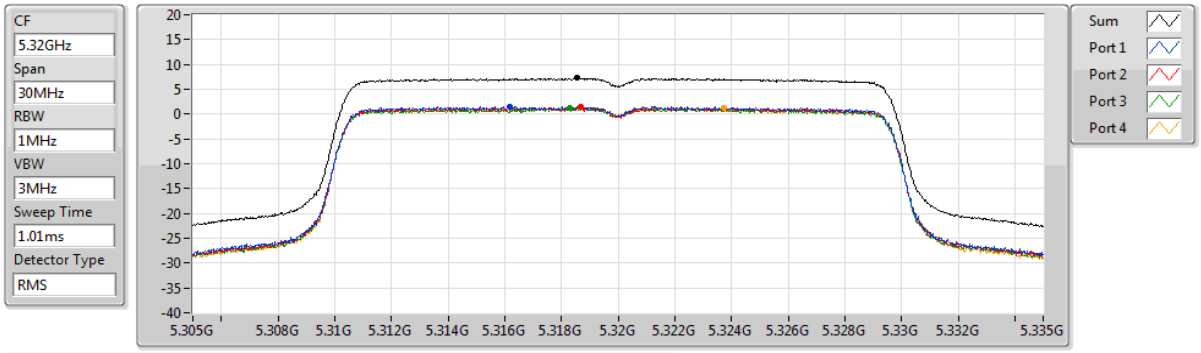
5300MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.36	7.36	1.72	1.51	1.26	1.50

802.11ax HEW20-BF_Nss1,(MCS0)_4TX PSD

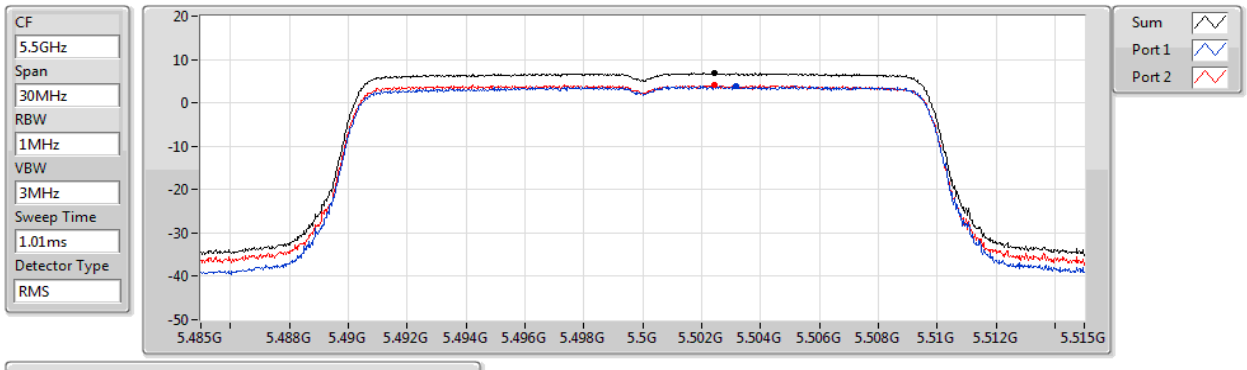
5320MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.28	7.28	1.52	1.45	1.34	1.36

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

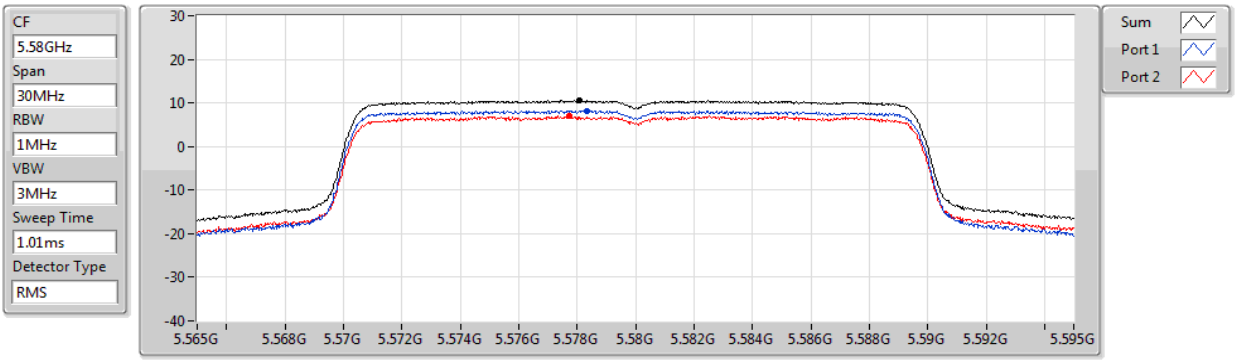
5500MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.97	6.97	3.86	4.20

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

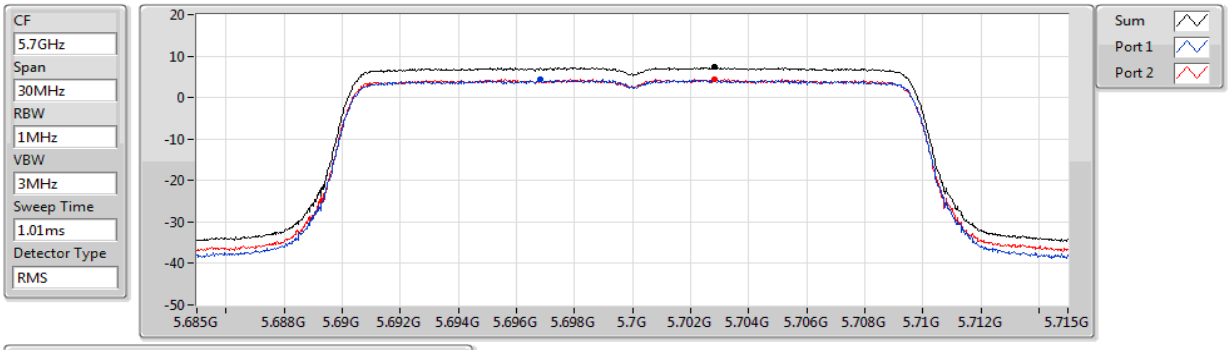
5580MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.53	10.53	8.22	6.94

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

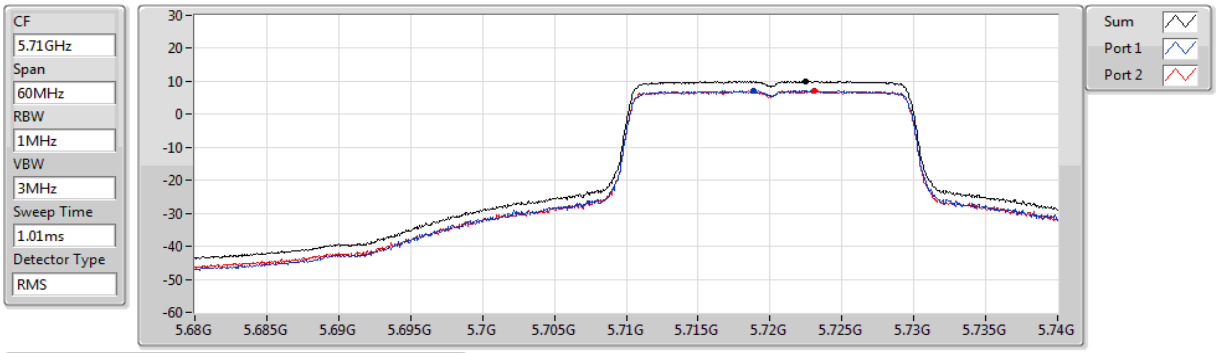
5700MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.37	7.37	4.35	4.53

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

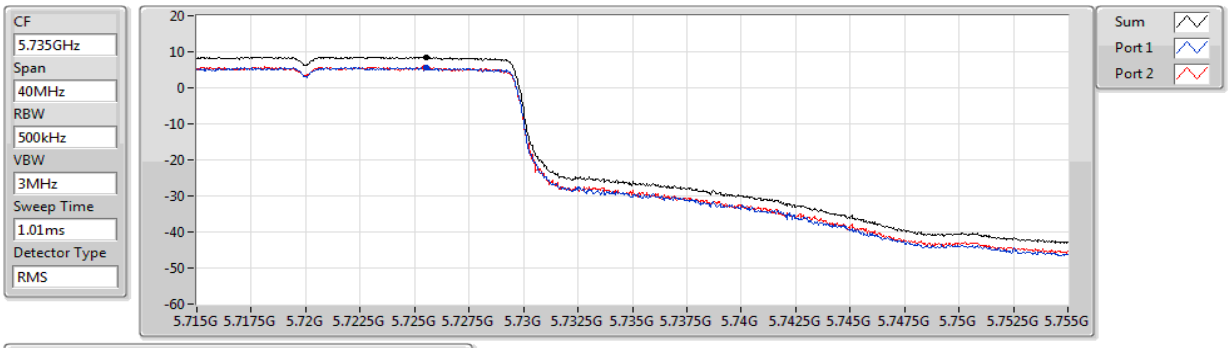
5720MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
10.03	10.03	7.24	7.23

802.11ax HEW20-BF_Nss1,(MCS0)_2TX **PSD**

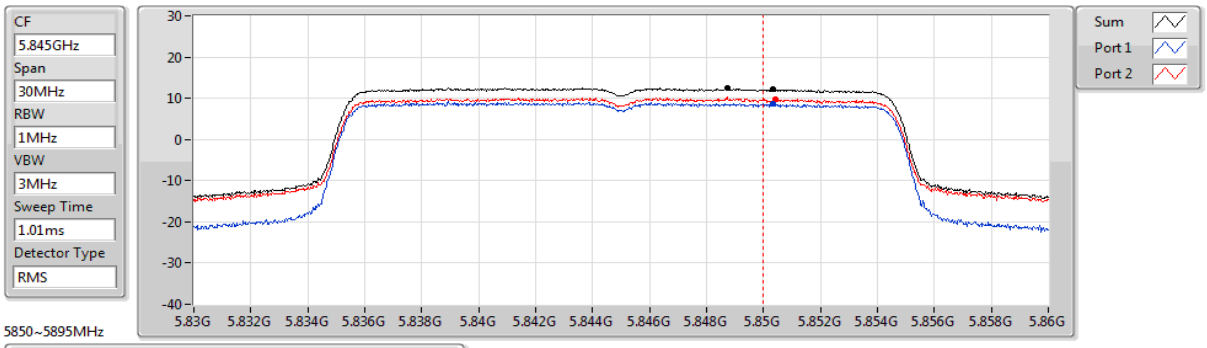
5720MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.58	8.58	5.57	5.73

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

5845MHz



5850~5895MHz

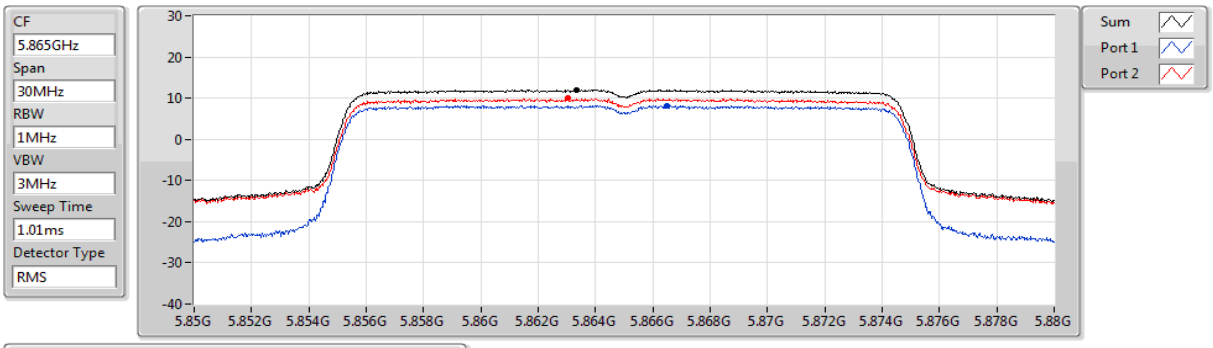
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
12.11	12.11	8.77	9.81

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
12.47	9.46	500k	-3.01

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

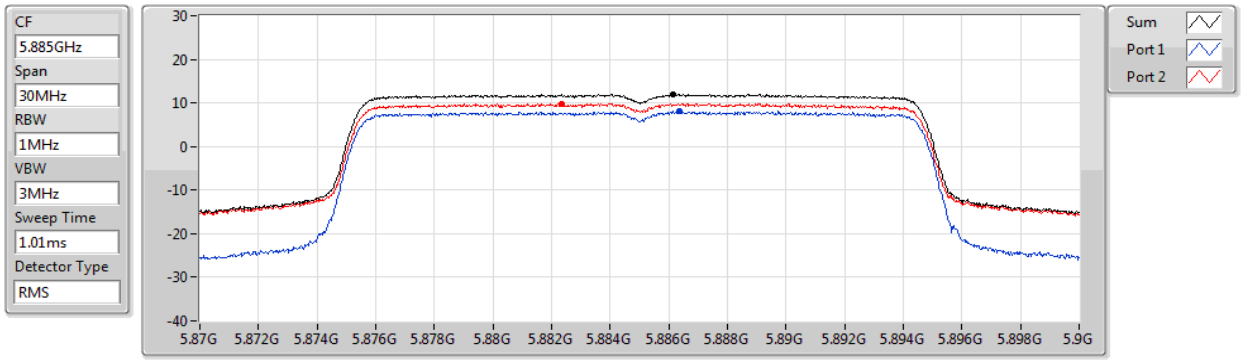
5865MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.99	11.99	8.20	10.00

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

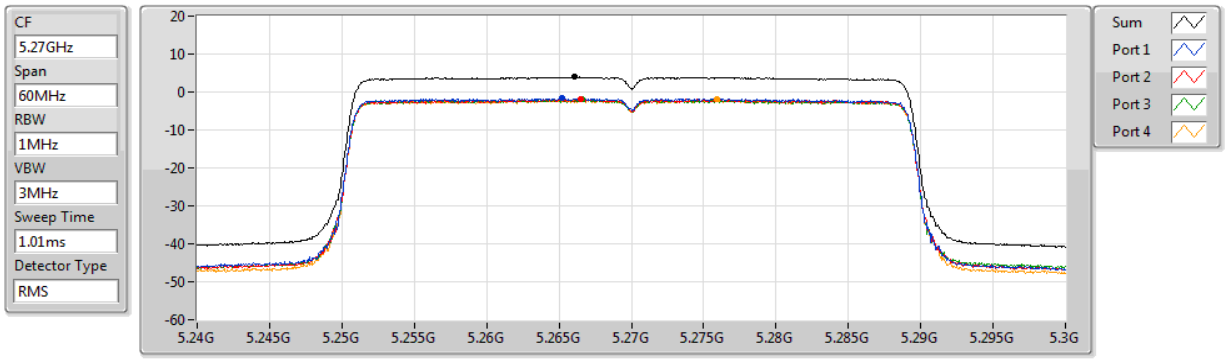
5885MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
11.89	11.89	8.05	9.79

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

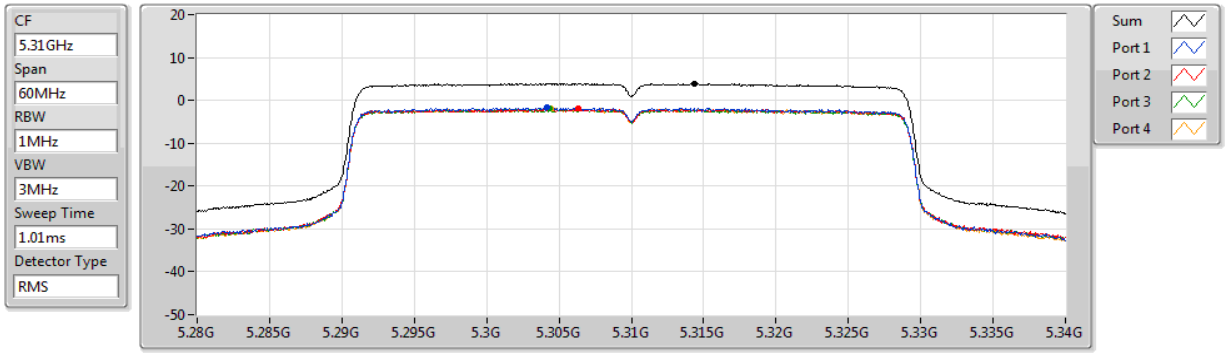
5270MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.96	3.96	-1.64	-1.89	-2.01	-2.01

802.11ax HEW40-BF_Nss1,(MCS0)_4TX PSD

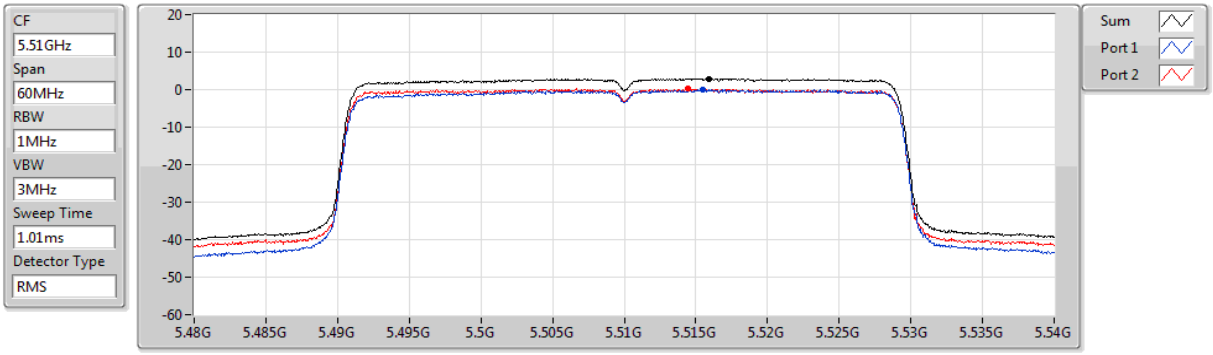
5310MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.96	3.96	-1.73	-1.95	-1.96	-1.86

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

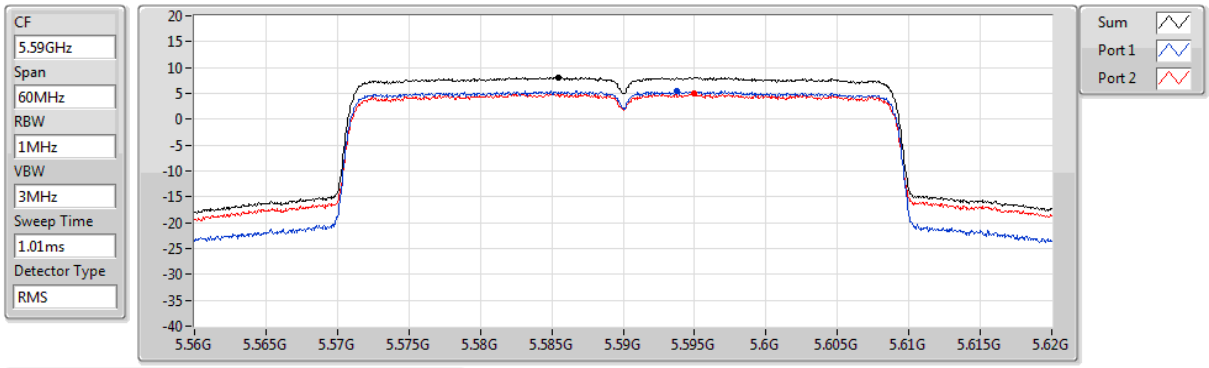
5510MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.96	2.96	-0.04	0.26

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

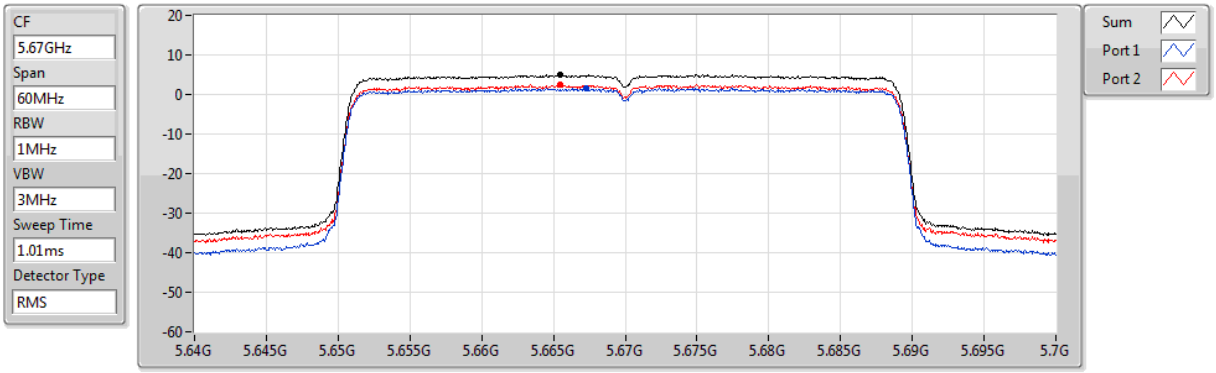
5590MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.16	8.16	5.47	5.03

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

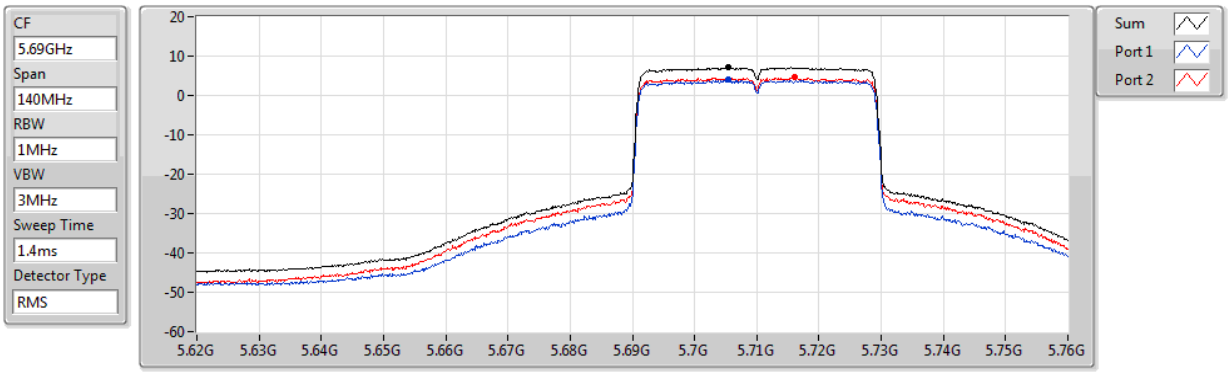
5670MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.92	4.92	1.64	2.47

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

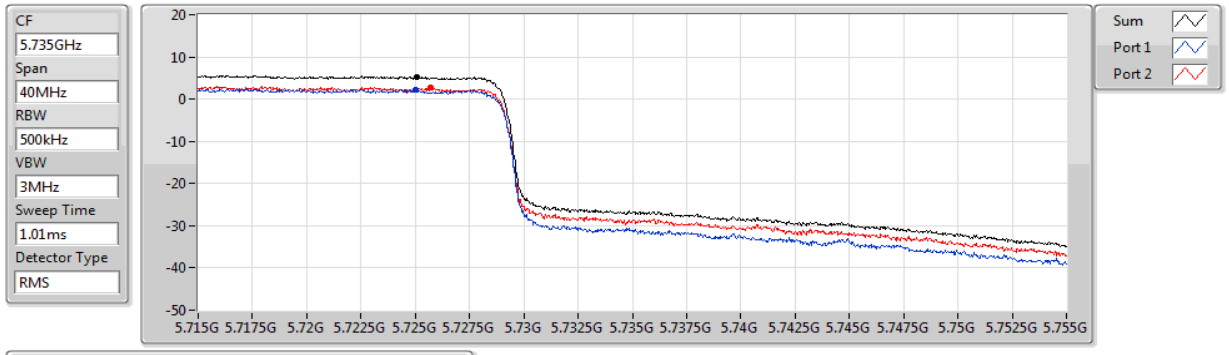
5710MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
7.11	7.11	3.99	4.62

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

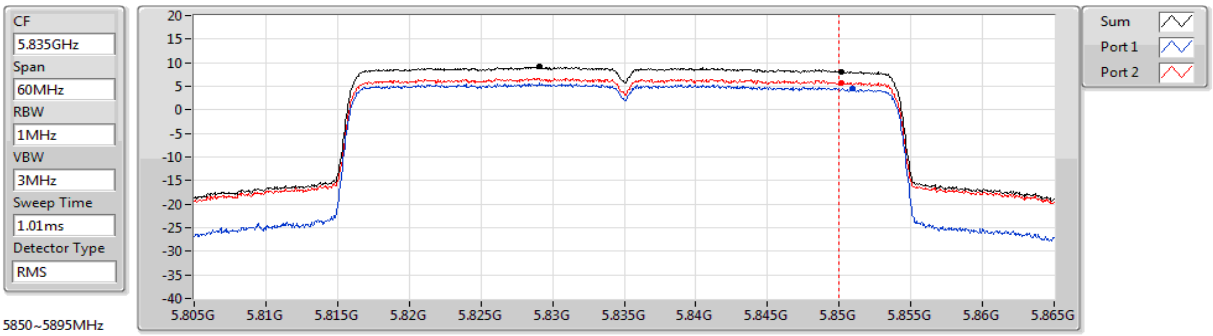
5710MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
5.26	5.26	2.19	2.64

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

5835MHz



5850~5895MHz

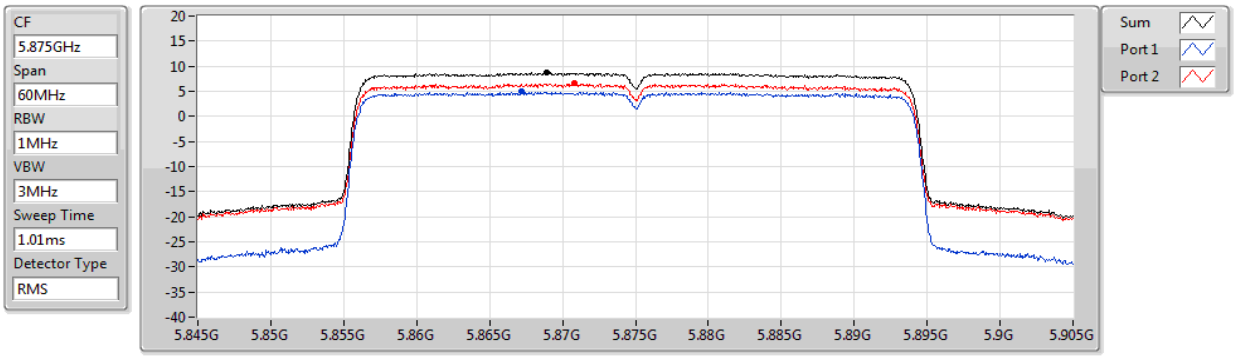
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.14	8.14	4.44	5.79

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
9.17	6.16	500k	-3.01

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

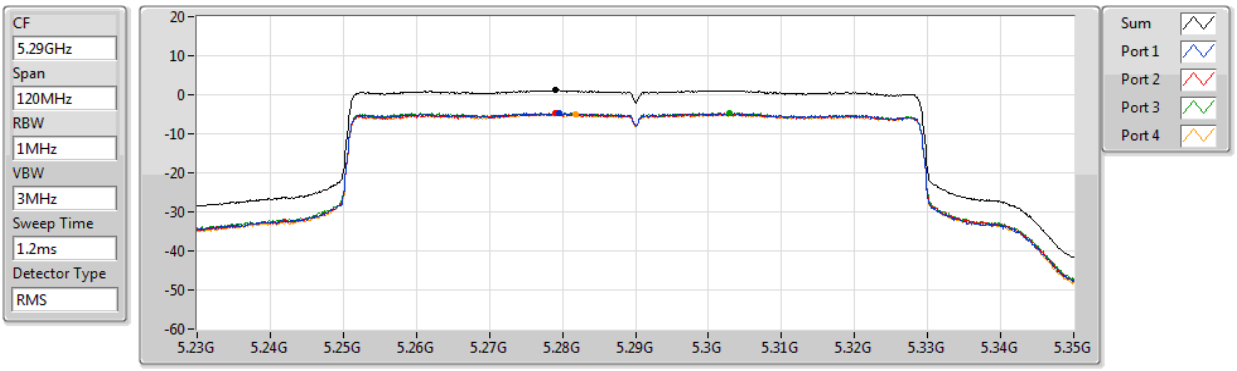
5875MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
8.70	8.70	4.92	6.58

802.11ax HEW80-BF_Nss1,(MCS0)_4TX PSD

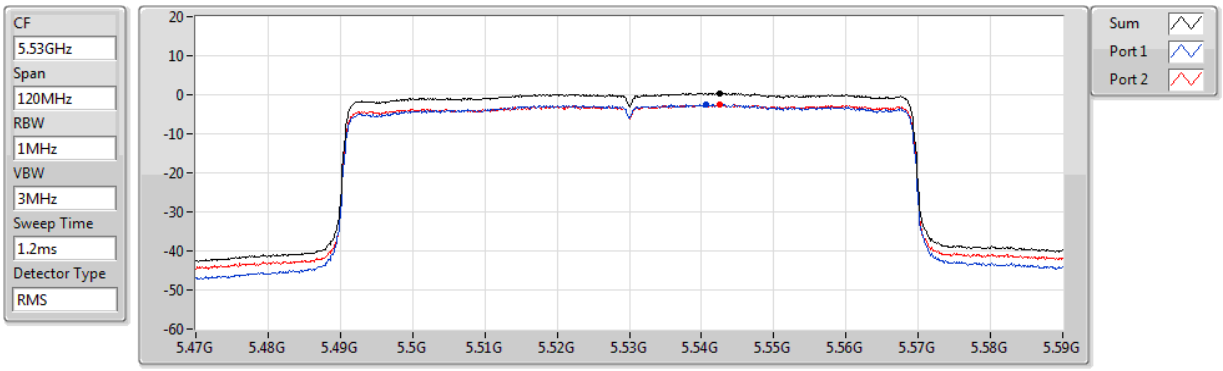
5290MHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.10	1.10	-4.63	-4.73	-4.61	-4.89

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

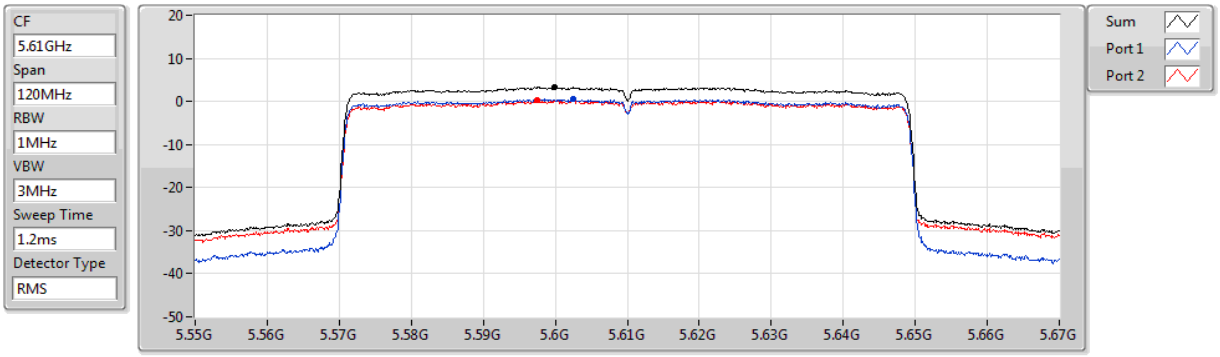
5530MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.42	0.42	-2.41	-2.53

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

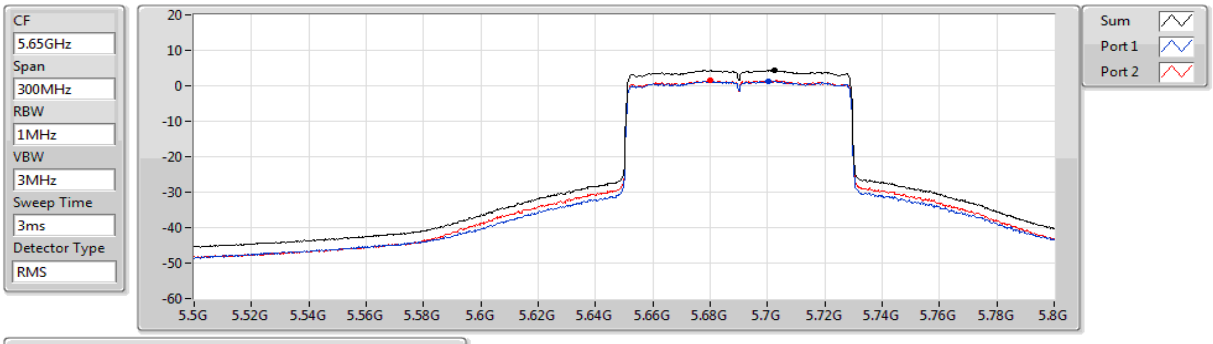
5610MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.27	3.27	0.54	0.33

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

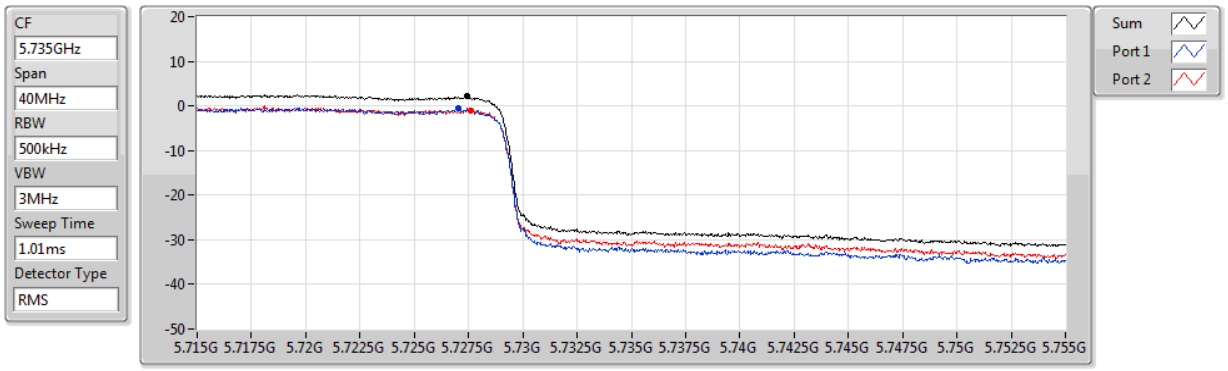
5690MHz Straddle 5.47-5.725GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.33	4.33	1.30	1.44

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

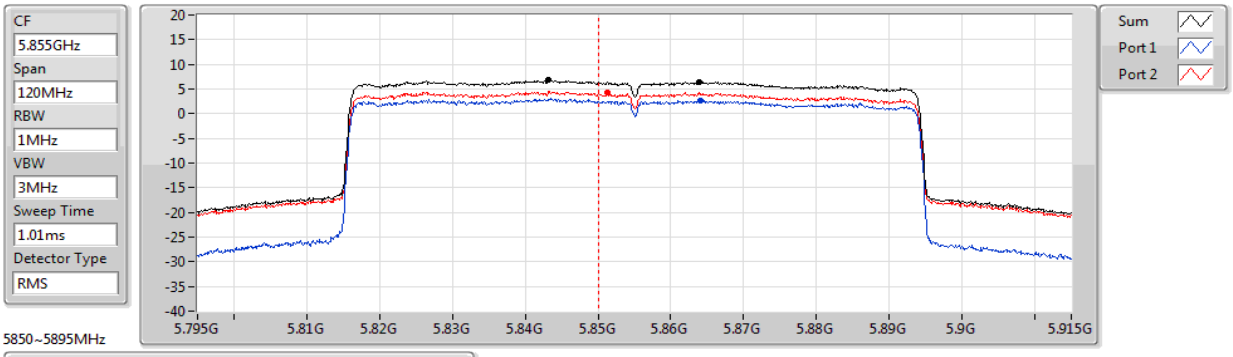
5690MHz Straddle 5.725-5.85GHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.16	2.16	-0.55	-0.95

802.11ax HEW80-BF_Nss1,(MCS0)_2TX PSD

5855MHz



5850~5895MHz

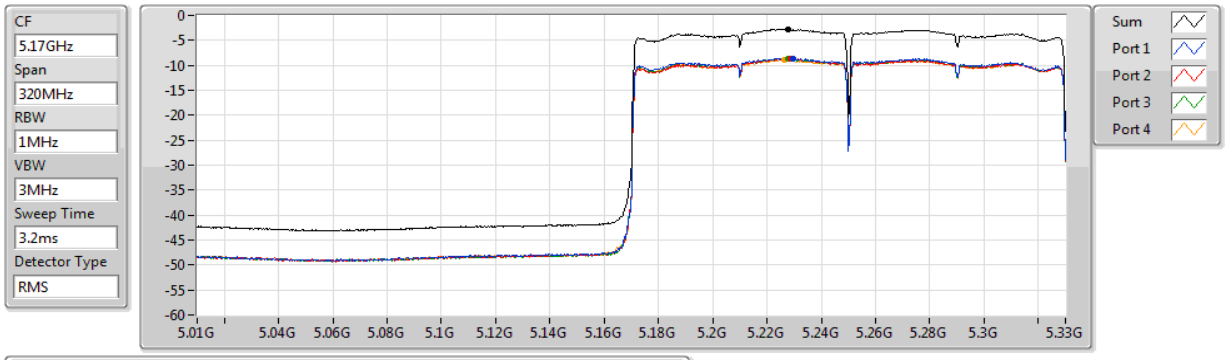
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.52	6.52	2.66	4.31

5725-5850MHz

Sum	PD	Limit RBW	BWCF
(dBm)	(dBm)	(Hz)	(dB)
6.90	3.89	500k	-3.01

802.11ax HEW160-BF_Nss1,(MCS0)_4TX PSD

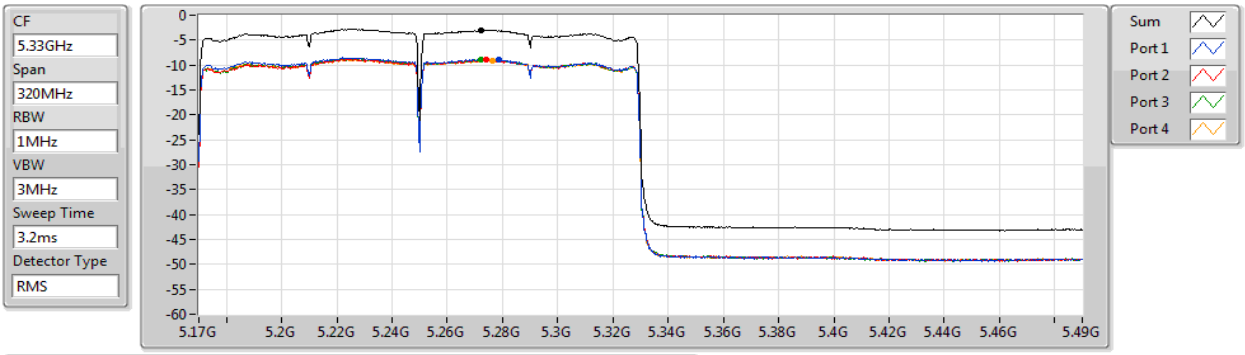
5250MHz Straddle 5.15-5.25GHz



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	-8.61	-8.67	-8.67	-8.86

802.11ax HEW160-BF_Nss1,(MCS0)_4TX PSD

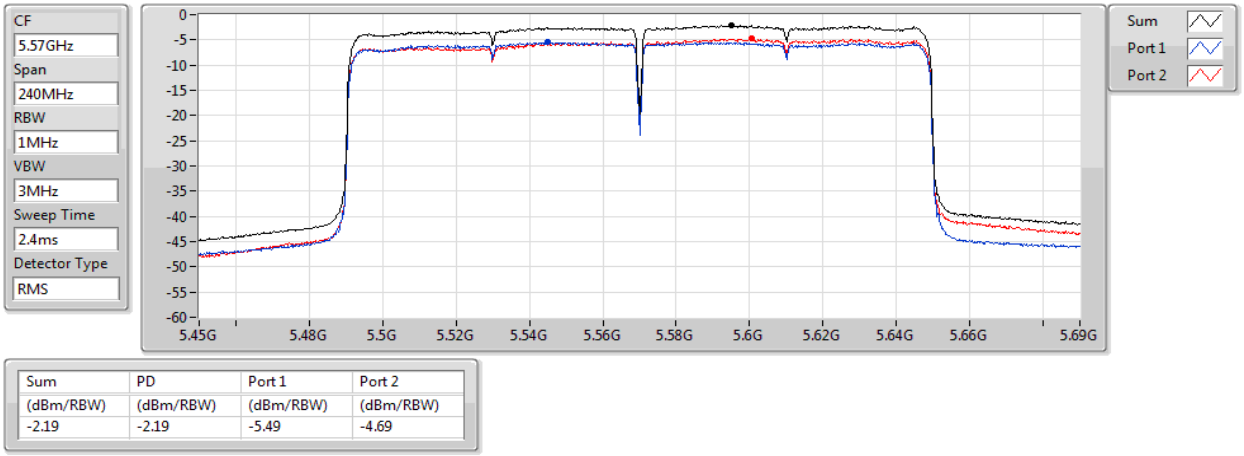
5250MHz Straddle 5.25-5.35GHz



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.96	-2.96	-8.82	-8.86	-8.91	-9.06

802.11ax HEW160-BF_Nss1,(MCS0)_2TX **PSD**

5570MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.19	-2.19	-5.49	-4.69

3.5 Transmitter Radiated and Band Edge Emissions

3.5.1 Limit of Transmitter Radiated and Band Edge Emissions

Restricted Band Emissions 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:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit
Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit	
Operating Band	**Limit**
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]

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).

Un-restricted band emissions above 1GHz Limit		
Operating Band	**Operating solely in the 5.850-5.895 GHz band or operating on a channel that spans across 5.725-5.895 GHz**	
Limit	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
	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
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 Test Procedures

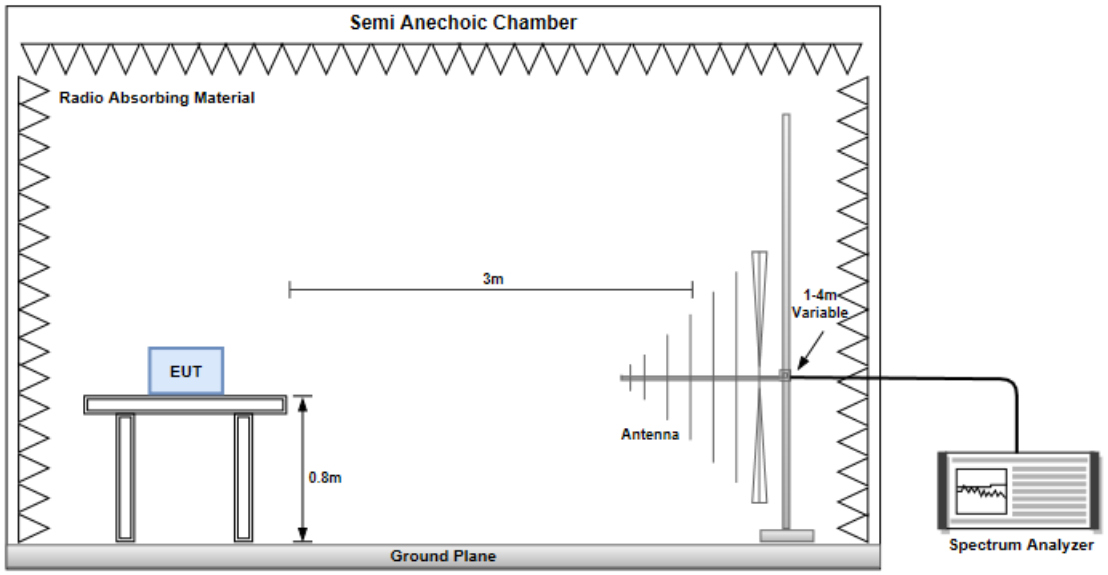
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

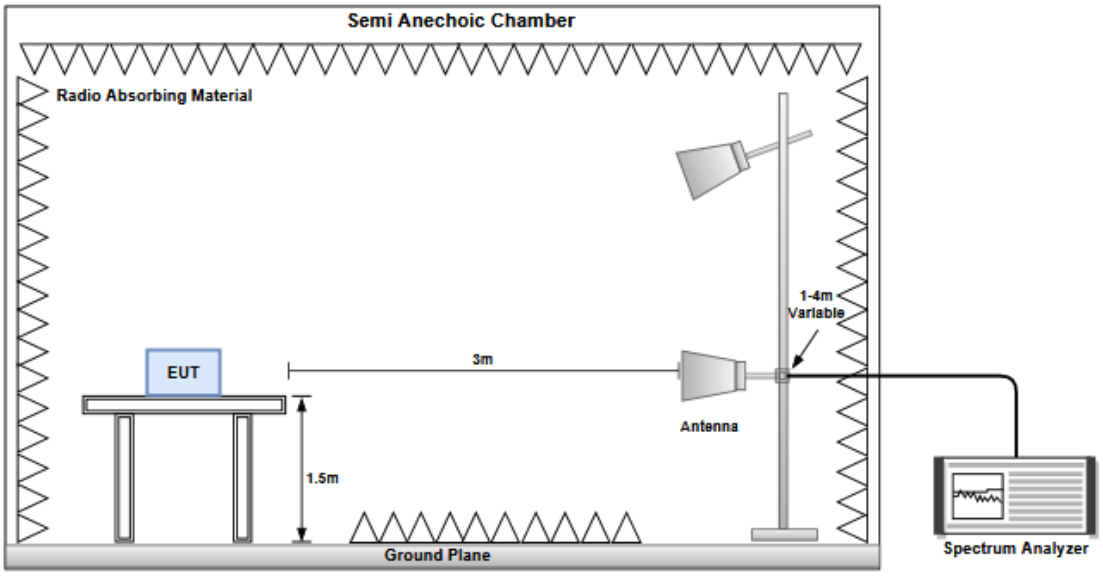
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.5.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz

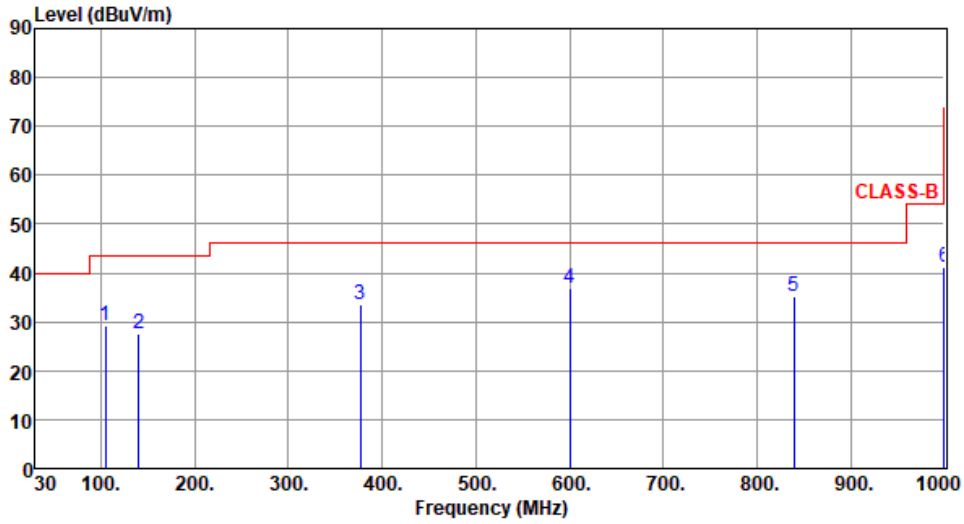


Non-beamforming mode

3.5.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

Modulation	ax HE40-OFDMA	**Test Freq. (MHz)**	5270
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

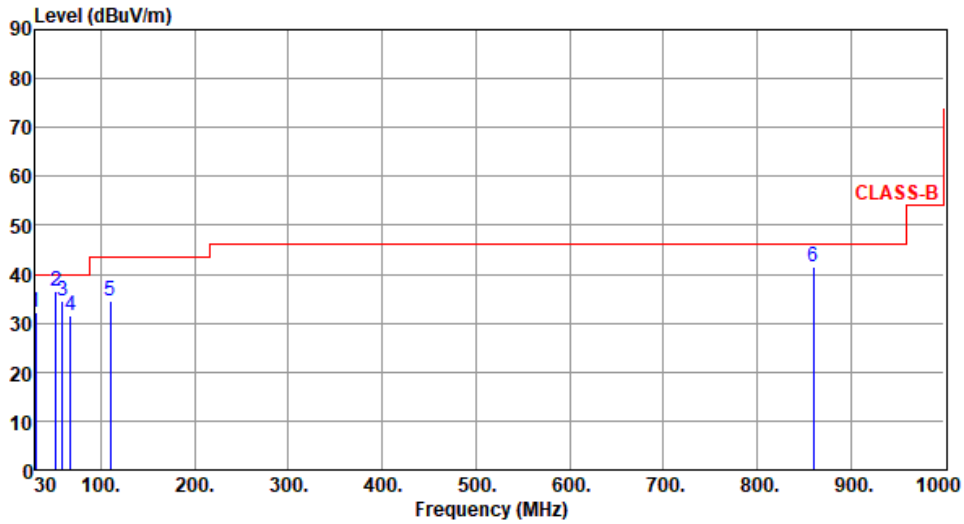


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	105.26	29.31	43.50	-14.19	41.62	-12.31	Peak	---	---
2	140.26	27.59	43.50	-15.91	36.83	-9.24	Peak	---	---
3	377.26	33.59	46.00	-12.41	39.87	-6.28	Peak	---	---
4	600.15	36.85	46.00	-9.15	37.86	-1.01	Peak	---	---
5	839.16	35.16	46.00	-10.84	32.68	2.48	Peak	---	---
6	999.68	41.15	54.00	-12.85	36.48	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

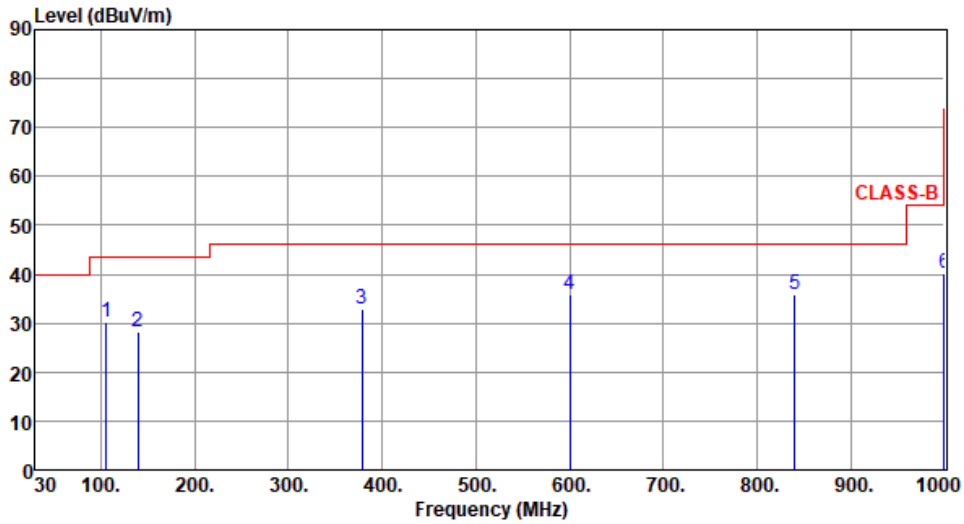


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.56	32.15	40.00	-7.85	42.09	-9.94	Peak	---	---
2	51.56	36.59	40.00	-3.41	45.37	-8.78	Peak	---	---
3	59.26	34.61	40.00	-5.39	43.93	-9.32	Peak	---	---
4	67.26	31.59	40.00	-8.41	41.87	-10.28	Peak	---	---
5	109.86	34.58	43.50	-8.92	46.32	-11.74	Peak	---	---
6	860.59	41.55	46.00	-4.45	38.68	2.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

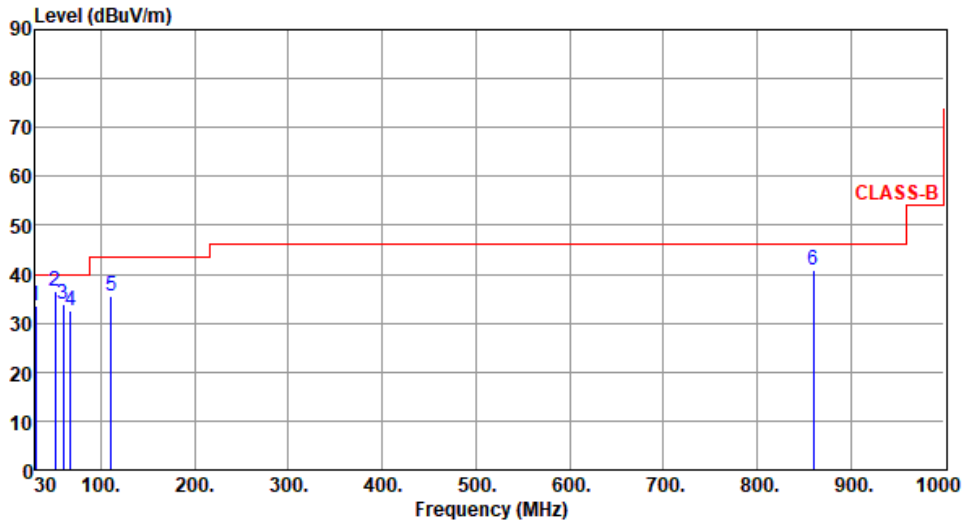


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	105.59	30.25	43.50	-13.25	42.53	-12.28	Peak	---	---
2	139.56	28.25	43.50	-15.25	37.49	-9.24	Peak	---	---
3	378.15	32.81	46.00	-13.19	39.07	-6.26	Peak	---	---
4	600.26	35.98	46.00	-10.02	36.99	-1.01	Peak	---	---
5	840.26	35.89	46.00	-10.11	33.39	2.50	Peak	---	---
6	999.45	40.06	54.00	-13.94	35.39	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

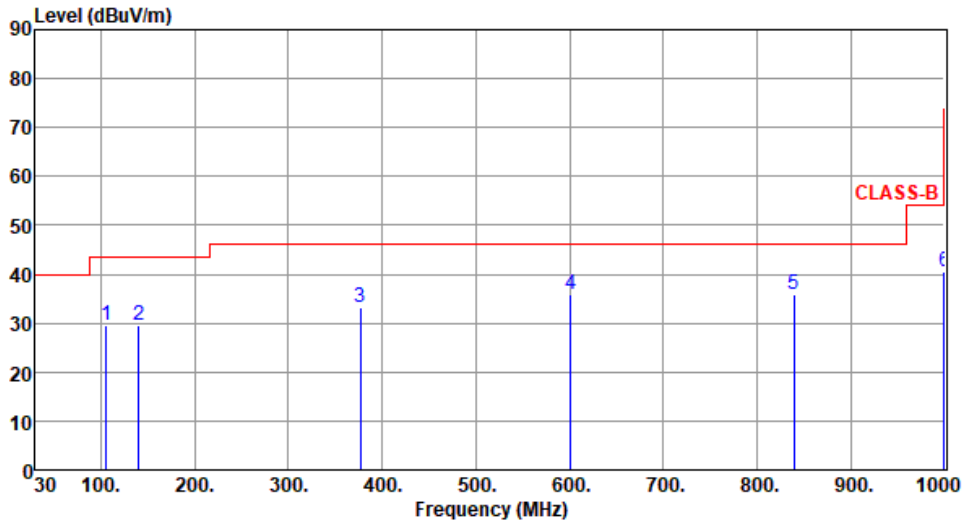


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.40	33.59	40.00	-6.41	43.53	-9.94	Peak	---	---
2	51.46	36.55	40.00	-3.45	45.33	-8.78	Peak	---	---
3	59.58	33.98	40.00	-6.02	43.22	-9.24	Peak	---	---
4	67.59	32.58	40.00	-7.42	42.79	-10.21	Peak	---	---
5	110.59	35.68	43.50	-7.82	47.35	-11.67	Peak	---	---
6	860.26	40.89	46.00	-5.11	38.03	2.86	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

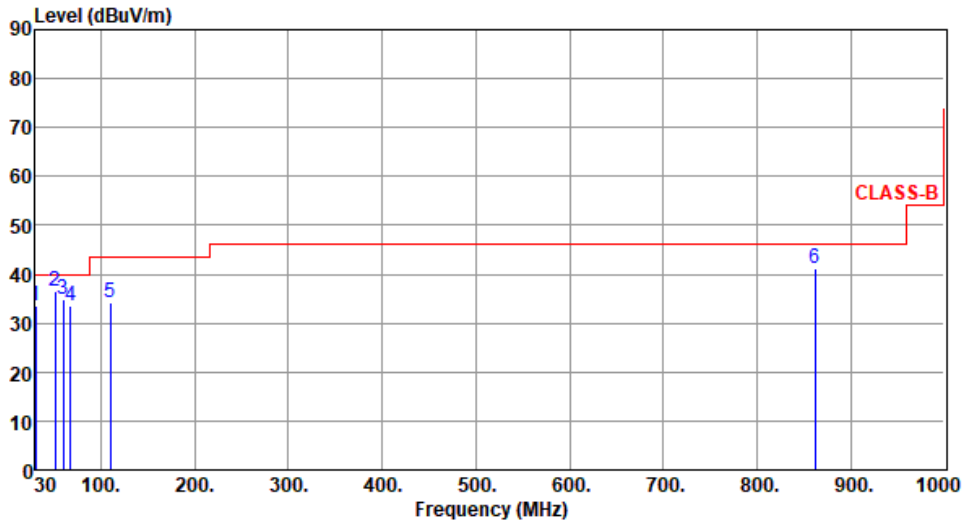


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	105.29	29.68	43.50	-13.82	41.99	-12.31	Peak	---	---
2	140.26	29.58	43.50	-13.92	38.82	-9.24	Peak	---	---
3	377.15	33.22	46.00	-12.78	39.51	-6.29	Peak	---	---
4	601.26	35.91	46.00	-10.09	36.92	-1.01	Peak	---	---
5	839.26	35.91	46.00	-10.09	33.43	2.48	Peak	---	---
6	999.55	40.64	54.00	-13.36	35.97	4.67	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65



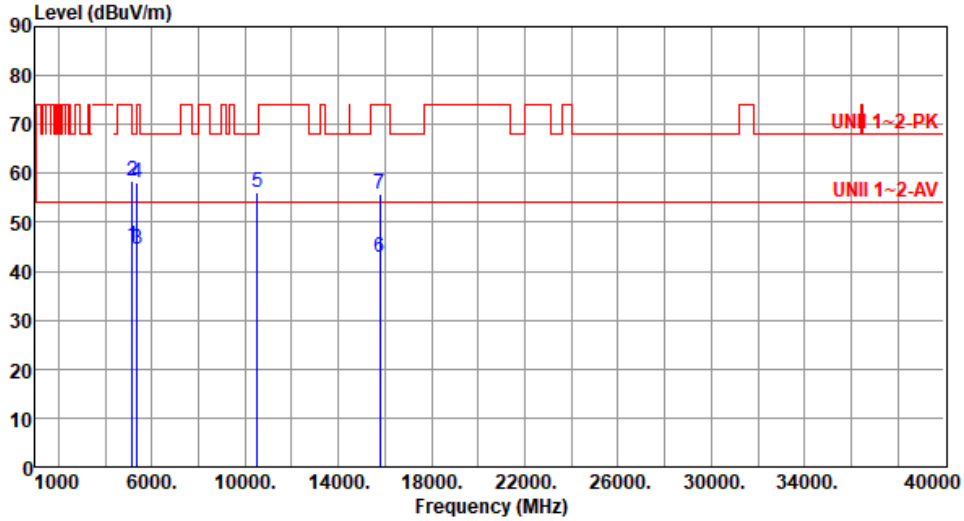
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	30.46	33.58	40.00	-6.42	43.52	-9.94	Peak	---	---
2	51.15	36.57	40.00	-3.43	45.36	-8.79	Peak	---	---
3	59.58	34.75	40.00	-5.25	43.99	-9.24	Peak	---	---
4	67.26	33.59	40.00	-6.41	43.87	-10.28	Peak	---	---
5	110.29	34.28	43.50	-9.22	45.98	-11.70	Peak	---	---
6	861.59	41.16	46.00	-4.84	38.29	2.87	Peak	---	---

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.5.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

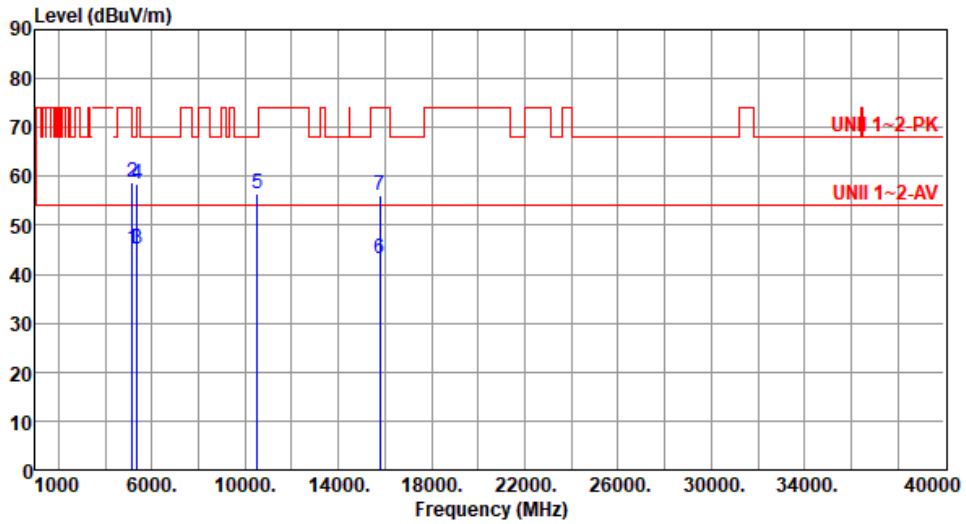


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.17	54.00	-8.83	40.16	5.01	Average	105	239
2	5150.00	58.58	74.00	-15.42	53.57	5.01	Peak	105	239
3	5350.00	44.67	54.00	-9.33	40.25	4.42	Average	105	239
4	5350.00	58.09	74.00	-15.91	53.67	4.42	Peak	105	239
5	10520.00	56.06	68.20	-12.14	41.59	14.47	Peak	100	50
6	15780.00	42.89	54.00	-11.11	29.41	13.48	Average	100	70
7	15780.00	55.89	74.00	-18.11	42.41	13.48	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

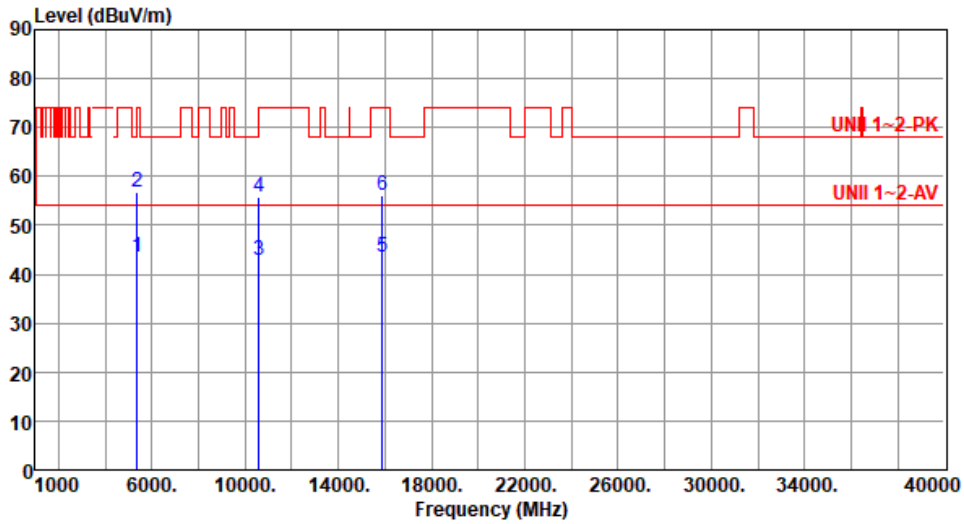


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.23	54.00	-8.77	40.22	5.01	Average	174	259
2	5150.00	58.78	74.00	-15.22	53.77	5.01	Peak	174	259
3	5350.00	45.01	54.00	-8.99	40.59	4.42	Average	174	259
4	5350.00	58.40	74.00	-15.60	53.98	4.42	Peak	174	259
5	10520.00	56.62	68.20	-11.58	42.15	14.47	Peak	100	60
6	15780.00	43.03	54.00	-10.97	29.55	13.48	Average	100	30
7	15780.00	56.06	74.00	-17.94	42.58	13.48	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

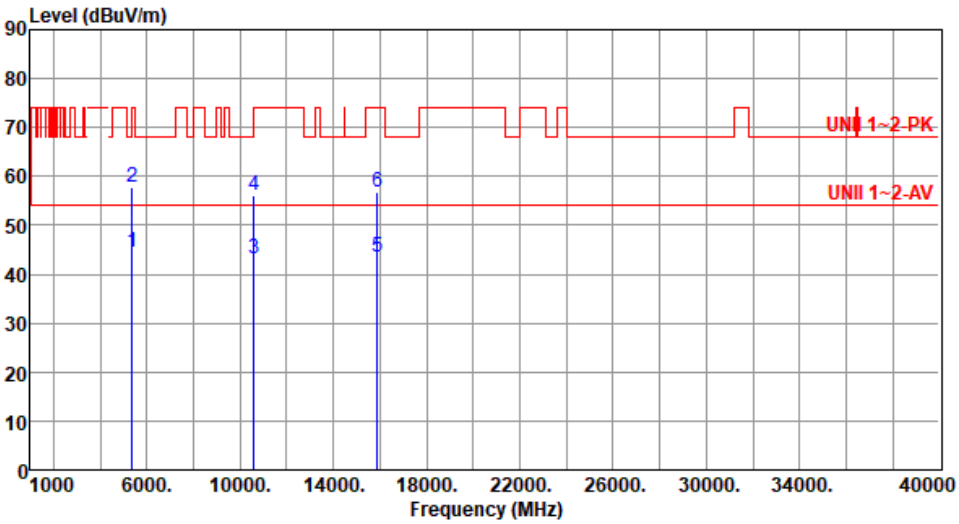


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	43.47	54.00	-10.53	39.05	4.42	Average	102	236
2	5350.00	56.95	74.00	-17.05	52.53	4.42	Peak	102	236
3	10600.00	42.80	54.00	-11.20	28.45	14.35	Average	100	55
4	10600.00	55.77	74.00	-18.23	41.42	14.35	Peak	100	55
5	15900.00	43.48	54.00	-10.52	29.91	13.57	Average	100	34
6	15900.00	56.02	74.00	-17.98	42.45	13.57	Peak	100	34

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

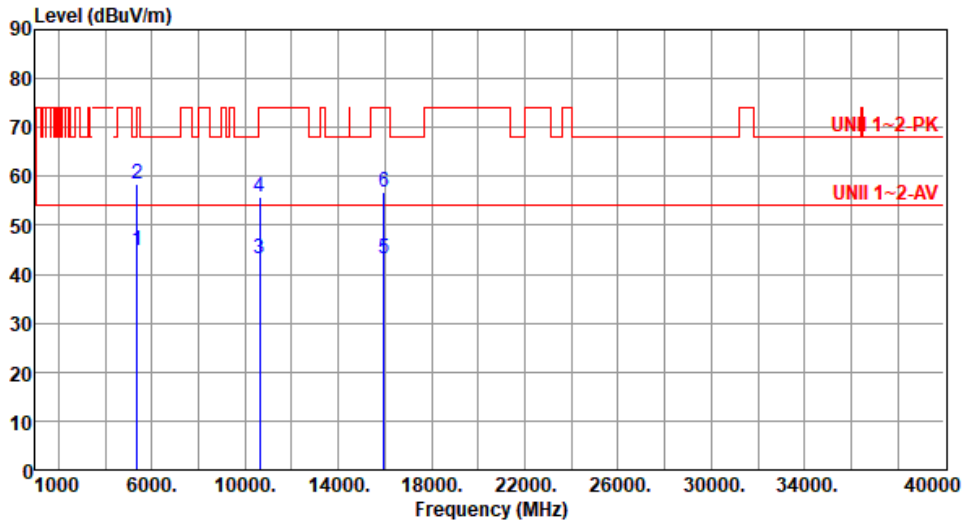


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.41	54.00	-9.59	39.99	4.42	Average	175	262
2	5350.00	57.91	74.00	-16.09	53.49	4.42	Peak	175	262
3	10600.00	43.04	54.00	-10.96	28.69	14.35	Average	100	54
4	10600.00	56.20	74.00	-17.80	41.85	14.35	Peak	100	54
5	15900.00	43.51	54.00	-10.49	29.94	13.57	Average	100	35
6	15900.00	56.73	74.00	-17.27	43.16	13.57	Peak	100	35

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

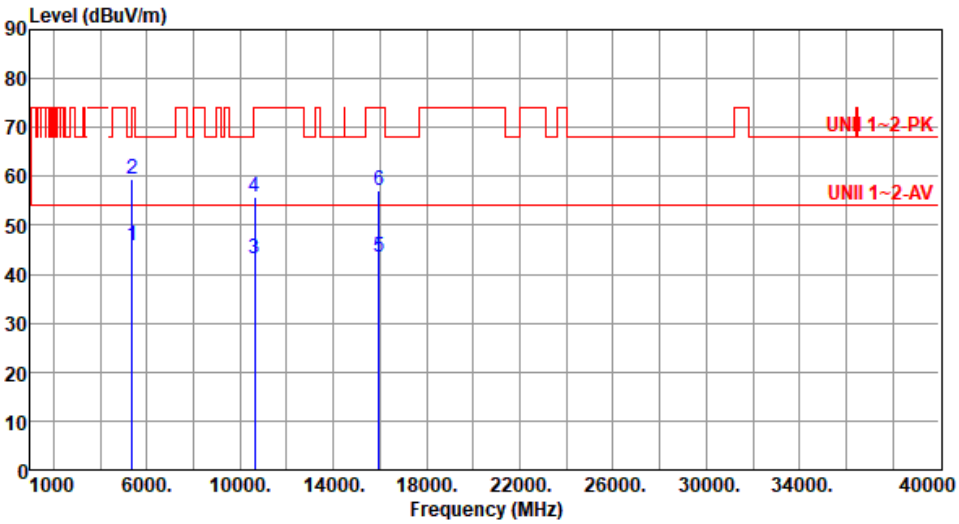


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	44.68	54.00	-9.32	40.26	4.42	Average	105	232
2	5350.00	58.53	74.00	-15.47	54.11	4.42	Peak	105	232
3	10640.00	43.02	54.00	-10.98	28.65	14.37	Average	100	40
4	10640.00	55.79	74.00	-18.21	41.42	14.37	Peak	100	40
5	15960.00	43.32	54.00	-10.68	29.64	13.68	Average	100	80
6	15960.00	56.79	74.00	-17.21	43.11	13.68	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

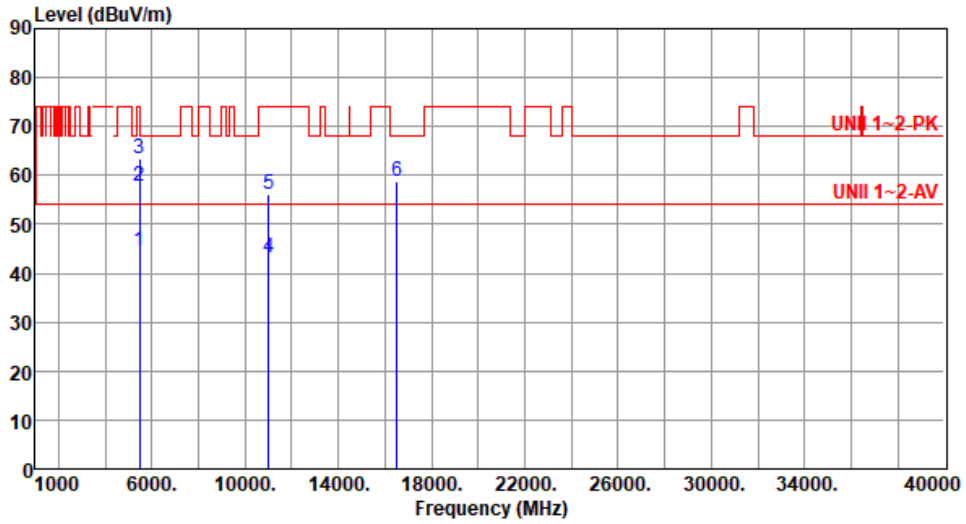


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.00	54.00	-8.00	41.58	4.42	Average	177	259
2	5350.00	59.58	74.00	-14.42	55.16	4.42	Peak	177	259
3	10640.00	43.12	54.00	-10.88	28.75	14.37	Average	100	59
4	10640.00	55.93	74.00	-18.07	41.56	14.37	Peak	100	59
5	15960.00	43.49	54.00	-10.51	29.81	13.68	Average	100	32
6	15960.00	56.97	74.00	-17.03	43.29	13.68	Peak	100	32

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

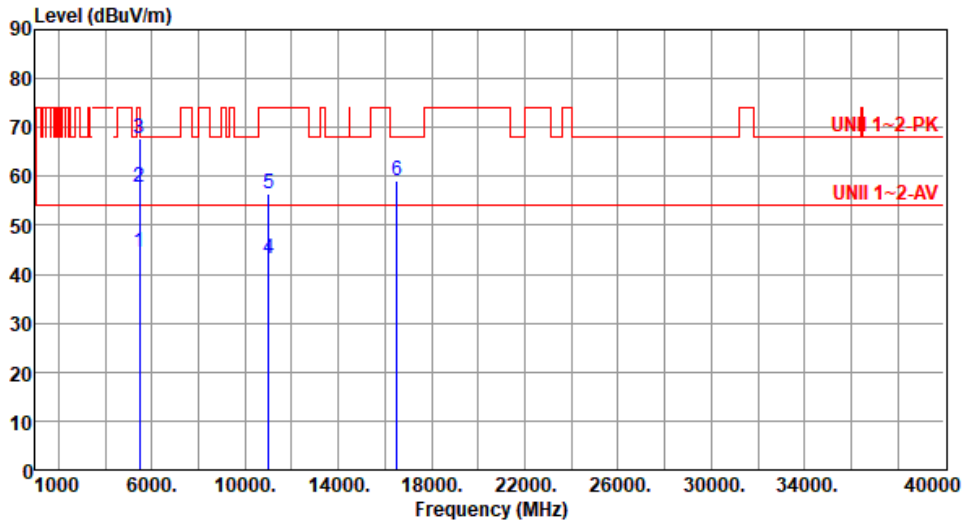


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.55	54.00	-9.45	39.88	4.67	Average	177	109
2	5460.00	57.79	74.00	-16.21	53.12	4.67	Peak	177	109
3	5470.00	63.29	68.20	-4.91	58.59	4.70	Peak	177	109
4	11000.00	43.07	54.00	-10.93	28.42	14.65	Average	100	30
5	11000.00	56.10	74.00	-17.90	41.45	14.65	Peak	100	30
6	16500.00	58.88	68.20	-9.32	42.54	16.34	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

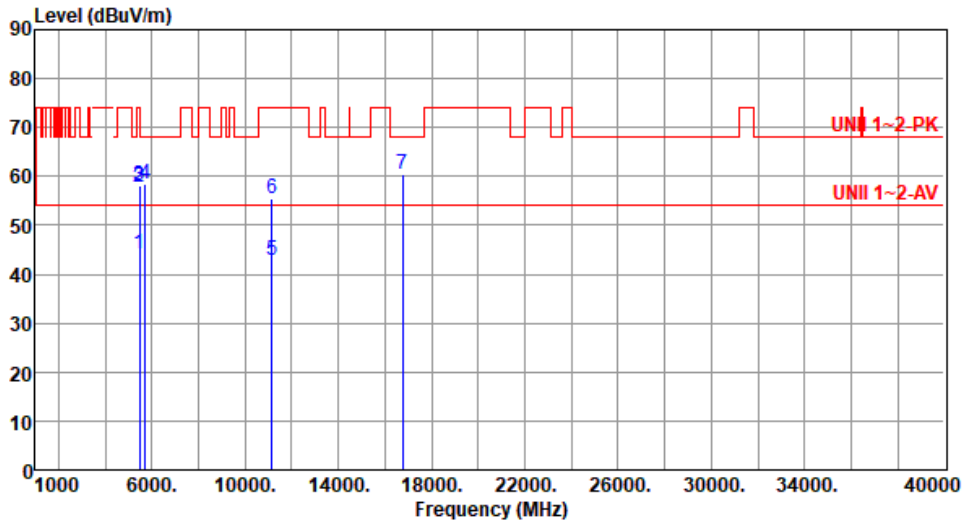


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.58	54.00	-9.42	39.91	4.67	Average	165	291
2	5460.00	57.92	74.00	-16.08	53.25	4.67	Peak	165	291
3	5470.00	67.91	68.20	-0.29	63.21	4.70	Peak	165	291
4	11000.00	43.21	54.00	-10.79	28.56	14.65	Average	100	40
5	11000.00	56.33	74.00	-17.67	41.68	14.65	Peak	100	40
6	16500.00	59.19	68.20	-9.01	42.85	16.34	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

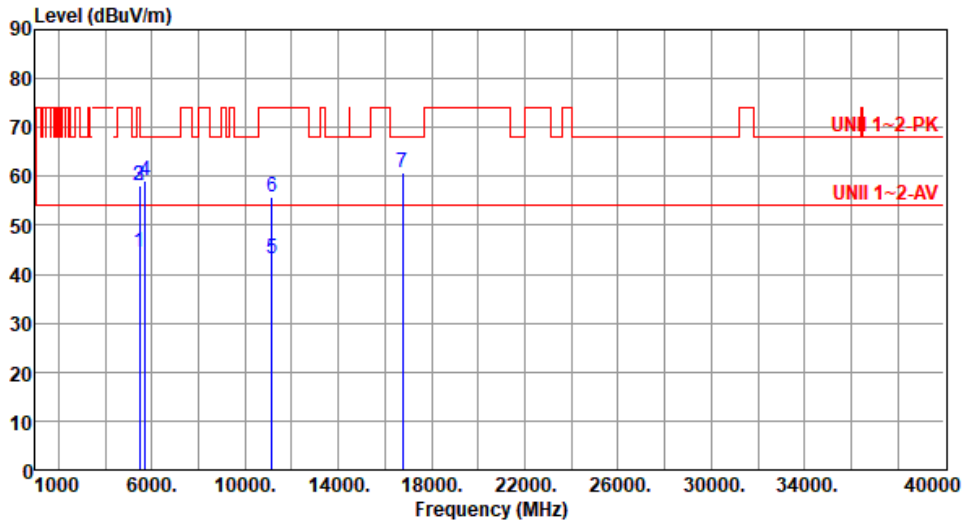


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.21	54.00	-9.79	39.54	4.67	Average	173	105
2	5460.00	57.64	74.00	-16.36	52.97	4.67	Peak	173	105
3	5470.00	58.04	68.20	-10.16	53.34	4.70	Peak	173	105
4	5725.00	58.33	68.20	-9.87	53.16	5.17	Peak	173	105
5	11160.00	42.88	54.00	-11.12	28.91	13.97	Average	100	26
6	11160.00	55.42	74.00	-18.58	41.45	13.97	Peak	100	26
7	16740.00	60.56	68.20	-7.64	43.39	17.17	Peak	100	48

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

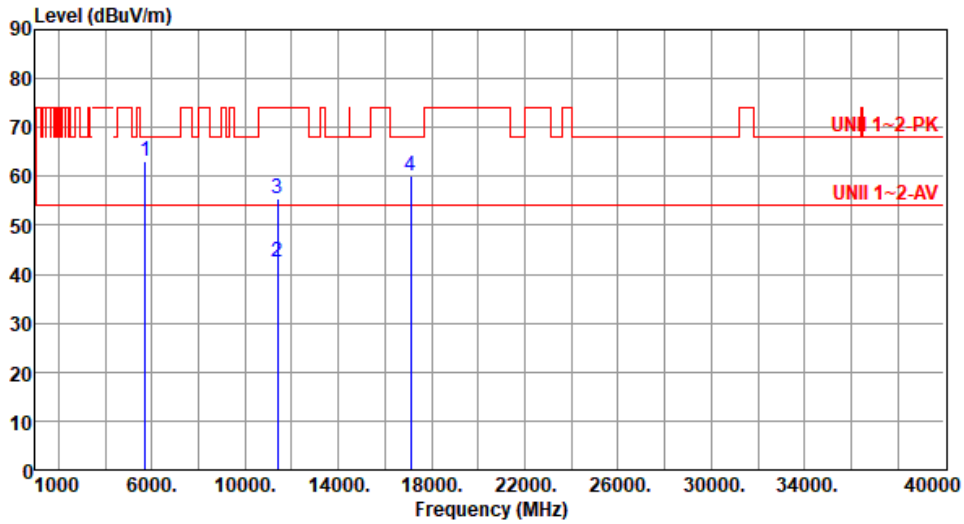


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.40	54.00	-9.60	39.73	4.67	Average	165	289
2	5460.00	58.09	74.00	-15.91	53.42	4.67	Peak	165	289
3	5470.00	58.22	68.20	-9.98	53.52	4.70	Peak	165	289
4	5725.00	59.08	68.20	-9.12	53.91	5.17	Peak	165	289
5	11160.00	43.05	54.00	-10.95	29.08	13.97	Average	100	33
6	11160.00	55.93	74.00	-18.07	41.96	13.97	Peak	100	33
7	16740.00	60.62	68.20	-7.58	43.45	17.17	Peak	100	18

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

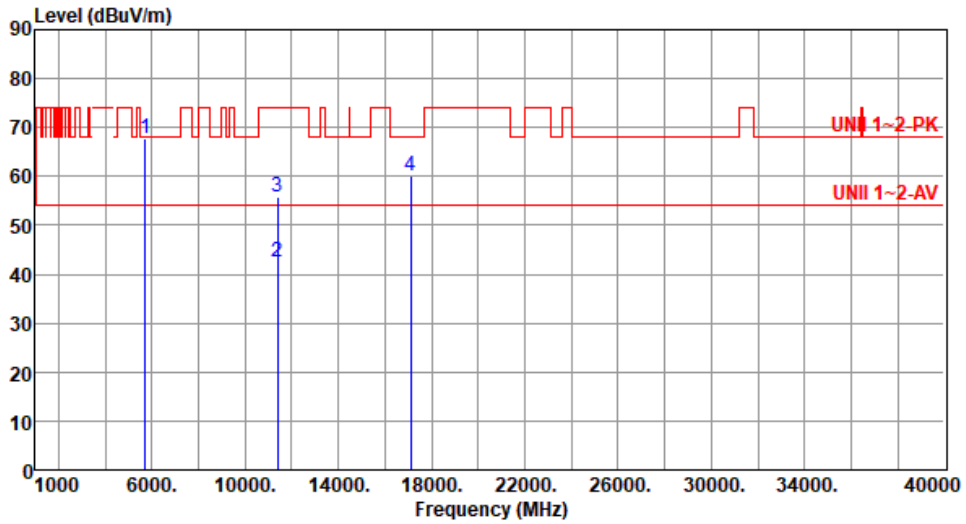


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	63.06	68.20	-5.14	57.89	5.17	Peak	177	109
2	11400.00	42.47	54.00	-11.53	28.33	14.14	Average	100	20
3	11400.00	55.60	74.00	-18.40	41.46	14.14	Peak	100	20
4	17100.00	59.97	68.20	-8.23	42.55	17.42	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

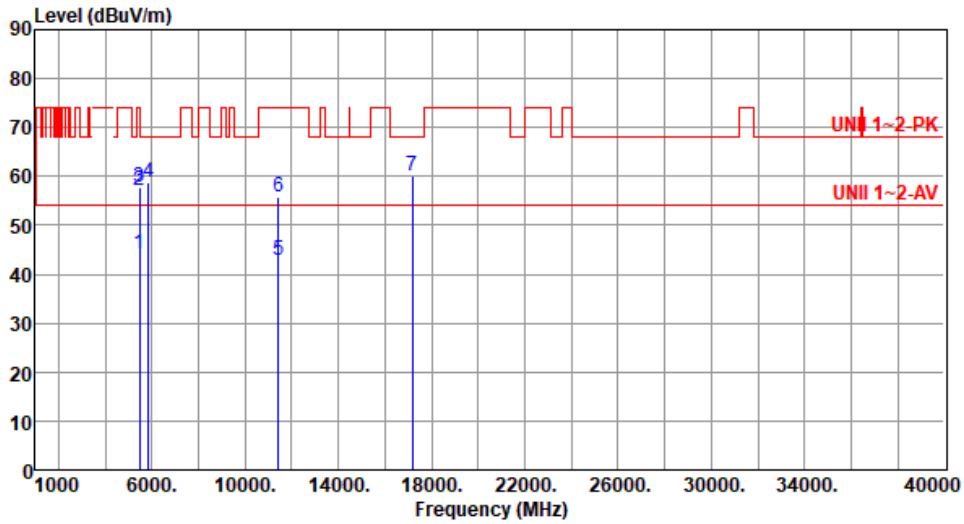


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.78	68.20	-0.42	62.61	5.17	Peak	165	265
2	11400.00	42.60	54.00	-11.40	28.46	14.14	Average	100	30
3	11400.00	55.74	74.00	-18.26	41.60	14.14	Peak	100	30
4	17100.00	60.10	68.20	-8.10	42.68	17.42	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

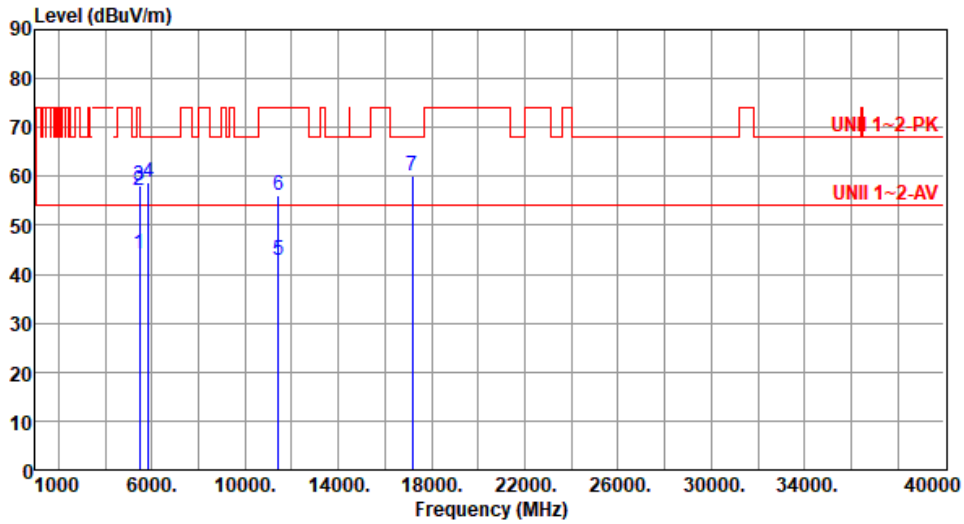


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.10	54.00	-9.90	39.43	4.67	Average	177	106
2	5460.00	57.11	74.00	-16.89	52.44	4.67	Peak	177	106
3	5470.00	57.86	68.20	-10.34	53.16	4.70	Peak	177	106
4	5850.00	58.84	68.20	-9.36	53.19	5.65	Peak	177	106
5	11440.00	42.69	54.00	-11.31	28.43	14.26	Average	100	30
6	11440.00	55.93	74.00	-18.07	41.67	14.26	Peak	100	30
7	17160.00	60.09	68.20	-8.11	42.67	17.42	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

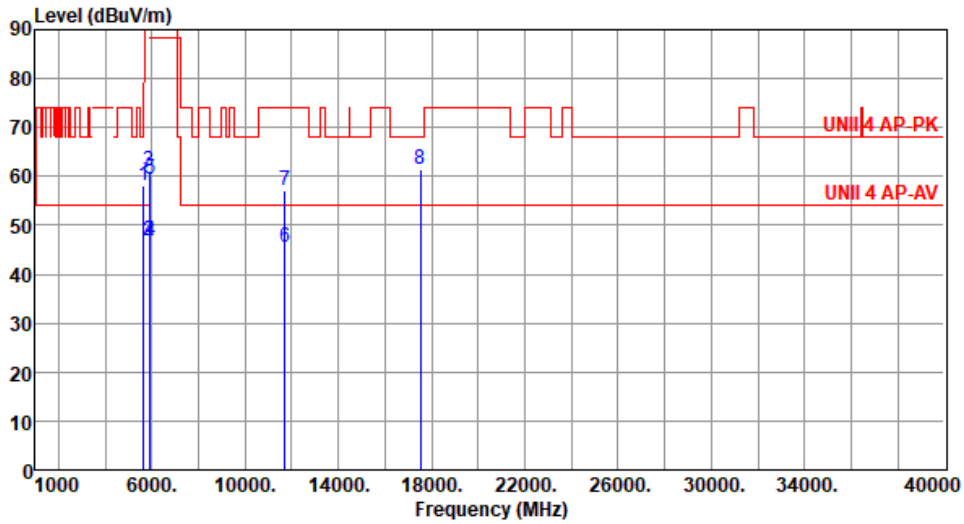


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.22	54.00	-9.78	39.55	4.67	Average	168	266
2	5460.00	57.17	74.00	-16.83	52.50	4.67	Peak	168	266
3	5470.00	58.01	68.20	-10.19	53.31	4.70	Peak	168	266
4	5850.00	58.91	68.20	-9.29	53.26	5.65	Peak	168	266
5	11440.00	42.85	54.00	-11.15	28.59	14.26	Average	100	40
6	11440.00	56.15	74.00	-17.85	41.89	14.26	Peak	100	40
7	17160.00	60.22	68.20	-7.98	42.80	17.42	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5845
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

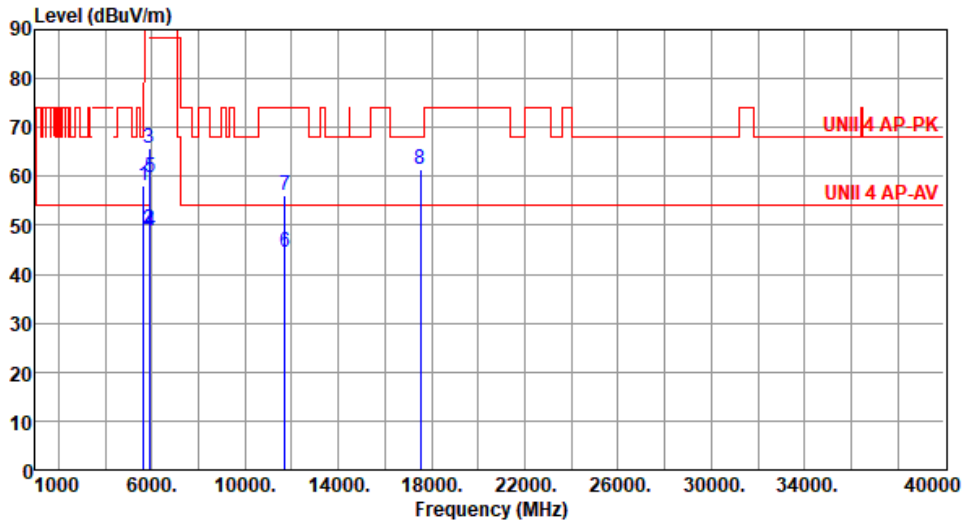


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.06	68.20	-10.14	53.25	4.81	Peak	163	105
2	5895.00	46.92	110.20	-63.28	41.27	5.65	Average	163	105
3	5895.00	61.05	130.20	-69.15	55.40	5.65	Peak	163	105
4	5925.00	46.76	88.20	-41.44	41.15	5.61	Average	163	105
5	5925.00	59.30	108.20	-48.90	53.69	5.61	Peak	163	105
6	11690.00	45.33	54.00	-8.67	31.64	13.69	Average	303	298
7	11690.00	57.26	74.00	-16.74	43.57	13.69	Peak	303	298
8	17535.00	61.52	68.20	-6.68	42.66	18.86	Peak	100	305

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5845
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

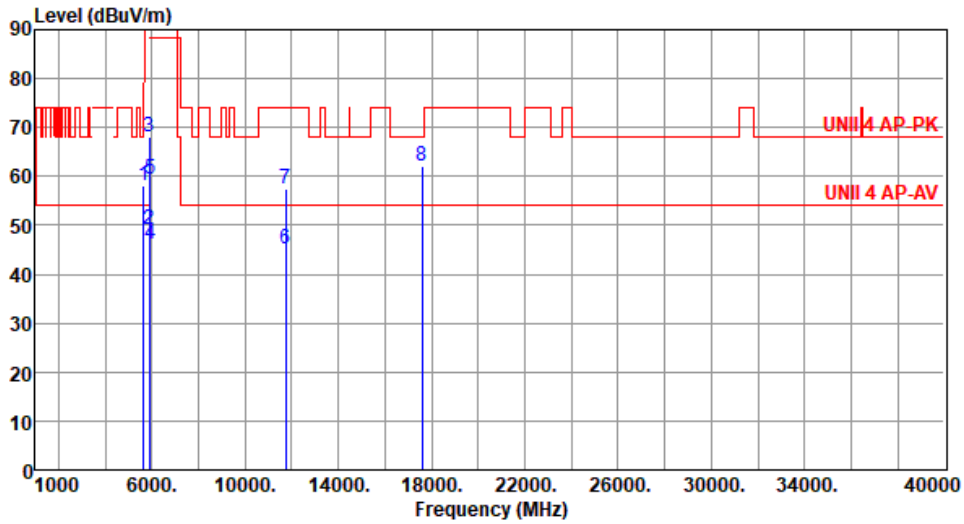


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.25	68.20	-9.95	53.44	4.81	Peak	184	318
2	5895.00	49.19	110.20	-61.01	43.54	5.65	Average	184	318
3	5895.00	65.78	130.20	-64.42	60.13	5.65	Peak	184	318
4	5925.00	48.82	88.20	-39.38	43.21	5.61	Average	184	318
5	5925.00	59.76	108.20	-48.44	54.15	5.61	Peak	184	318
6	11690.00	44.44	54.00	-9.56	30.75	13.69	Average	100	57
7	11690.00	56.11	74.00	-17.89	42.42	13.69	Peak	100	57
8	17535.00	61.30	68.20	-6.90	42.44	18.86	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5865
Polarization	Horizontal		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

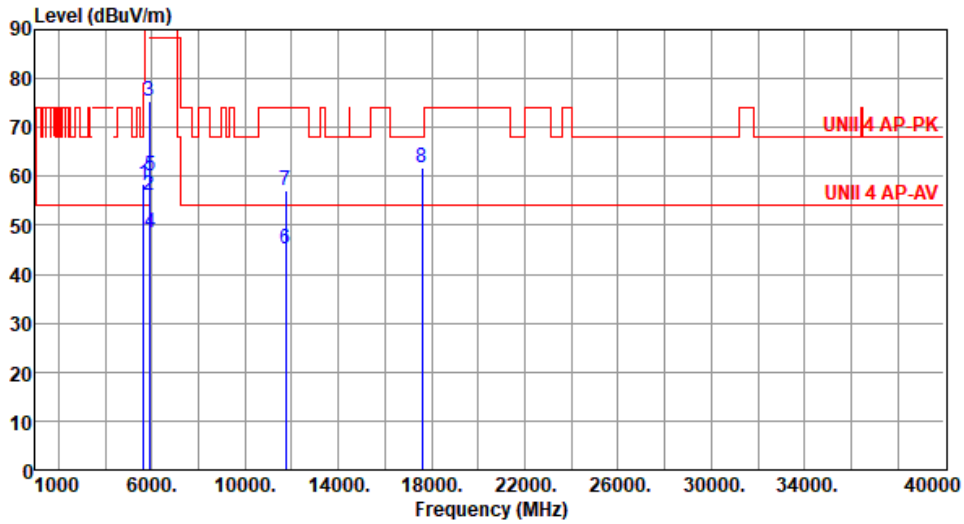


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.25	68.20	-9.95	53.44	4.81	Peak	163	102
2	5895.00	49.20	110.20	-61.00	43.55	5.65	Average	163	102
3	5895.00	68.22	130.20	-61.98	62.57	5.65	Peak	163	102
4	5925.00	46.29	88.20	-41.91	40.68	5.61	Average	163	102
5	5925.00	59.50	108.20	-48.70	53.89	5.61	Peak	163	102
6	11730.00	45.32	54.00	-8.68	31.76	13.56	Average	305	295
7	11730.00	57.43	74.00	-16.57	43.87	13.56	Peak	305	295
8	17595.00	62.06	68.20	-6.14	42.85	19.21	Peak	100	308

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5865
Polarization	Vertical		

Test By :Akun Chung Temperature(℃):22 Humidity(%):65

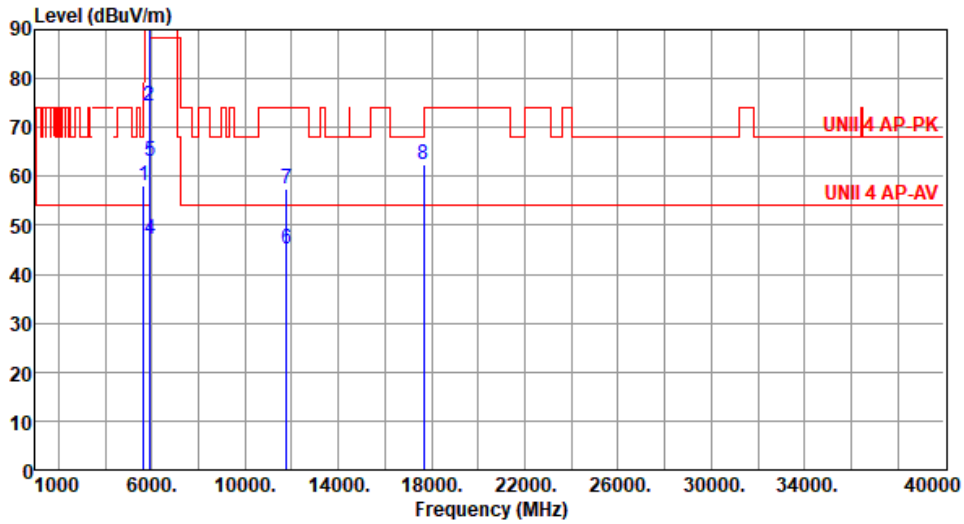


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.48	68.20	-9.72	53.67	4.81	Peak	183	319
2	5895.00	56.15	110.20	-54.05	50.50	5.65	Average	183	319
3	5895.00	75.26	130.20	-54.94	69.61	5.65	Peak	183	319
4	5925.00	48.50	88.20	-39.70	42.89	5.61	Average	183	319
5	5925.00	60.17	108.20	-48.03	54.56	5.61	Peak	183	319
6	11730.00	45.07	54.00	-8.93	31.51	13.56	Average	100	29
7	11730.00	57.11	74.00	-16.89	43.55	13.56	Peak	100	29
8	17595.00	61.89	68.20	-6.31	42.68	19.21	Peak	100	22

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5885
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

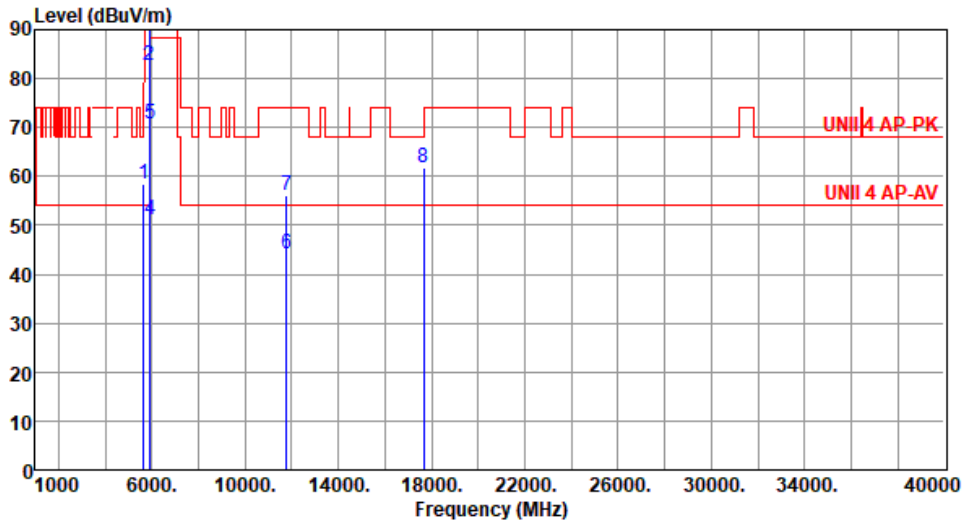


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.25	68.20	-9.95	53.44	4.81	Peak	162	103
2	5895.00	74.30	110.20	-35.90	68.65	5.65	Average	162	103
3	5895.00	91.08	130.20	-39.12	85.43	5.65	Peak	162	103
4	5925.00	47.28	88.20	-40.92	41.67	5.61	Average	162	103
5	5925.00	63.20	108.20	-45.00	57.59	5.61	Peak	162	103
6	11770.00	45.12	54.00	-8.88	31.67	13.45	Average	302	299
7	11770.00	57.41	74.00	-16.59	43.96	13.45	Peak	302	299
8	17655.00	62.43	68.20	-5.77	42.76	19.67	Peak	100	303

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	11a	Test Freq. (MHz)	5885
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63



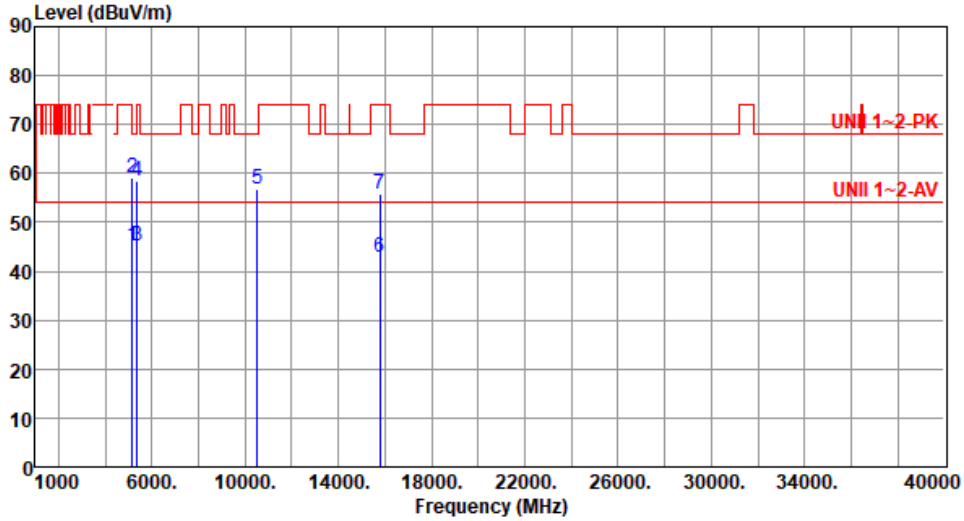
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.47	68.20	-9.73	53.66	4.81	Peak	183	317
2	5895.00	82.59	110.20	-27.61	76.94	5.65	Average	183	317
3	5895.00	99.31	130.20	-30.89	93.66	5.65	Peak	183	317
4	5925.00	51.20	88.20	-37.00	45.59	5.61	Average	183	317
5	5925.00	70.69	108.20	-37.51	65.08	5.61	Peak	183	317
6	11770.00	44.05	54.00	-9.95	30.60	13.45	Average	100	62
7	11770.00	56.25	74.00	-17.75	42.80	13.45	Peak	100	62
8	17655.00	61.90	68.20	-6.30	42.23	19.67	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE20-OFDMA

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5260
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

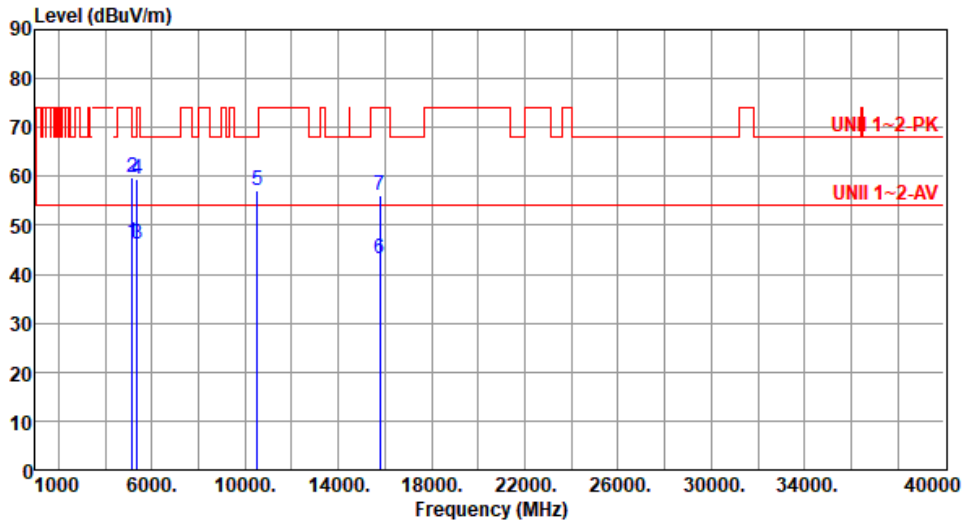


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.28	54.00	-8.72	40.27	5.01	Average	103	239
2	5150.00	59.00	74.00	-15.00	53.99	5.01	Peak	103	239
3	5350.00	45.21	54.00	-8.79	40.79	4.42	Average	103	239
4	5350.00	58.45	74.00	-15.55	54.03	4.42	Peak	103	239
5	10520.00	56.89	68.20	-11.31	42.42	14.47	Peak	100	30
6	15780.00	42.95	54.00	-11.05	29.47	13.48	Average	100	60
7	15780.00	55.81	74.00	-18.19	42.33	13.48	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5260
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

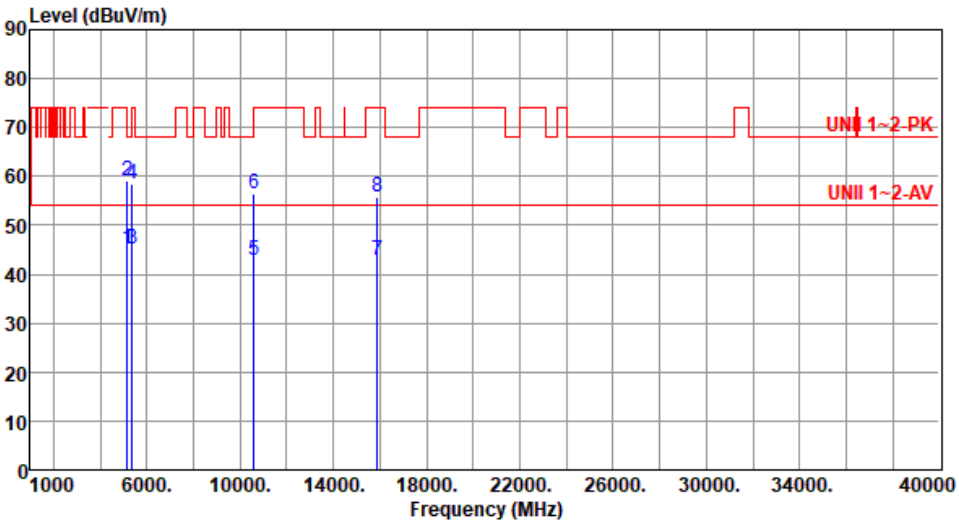


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.42	54.00	-7.58	41.41	5.01	Average	175	258
2	5150.00	59.69	74.00	-14.31	54.68	5.01	Peak	175	258
3	5350.00	46.31	54.00	-7.69	41.89	4.42	Average	175	258
4	5350.00	59.54	74.00	-14.46	55.12	4.42	Peak	175	258
5	10520.00	57.03	68.20	-11.17	42.56	14.47	Peak	100	55
6	15780.00	43.14	54.00	-10.86	29.66	13.48	Average	100	40
7	15780.00	56.16	74.00	-17.84	42.68	13.48	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

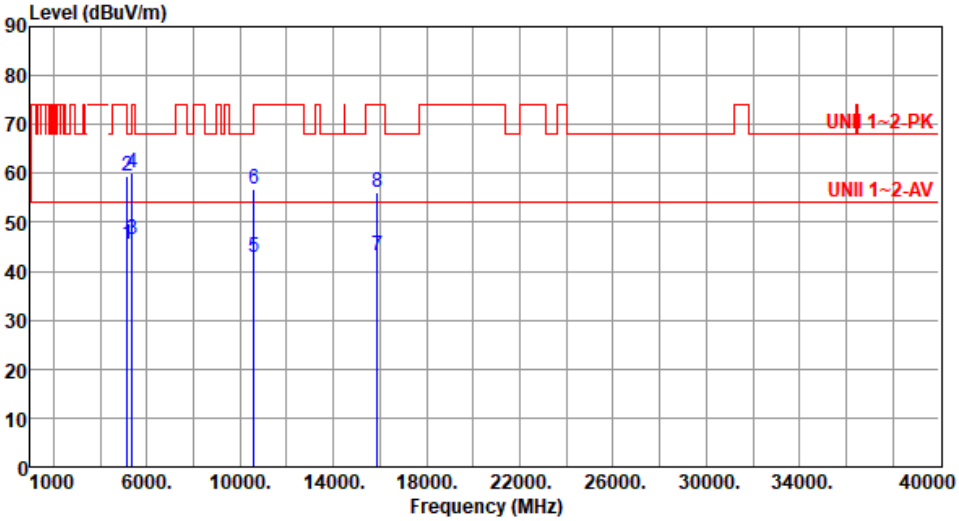


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.27	54.00	-8.73	40.26	5.01	Average	106	234
2	5150.00	59.15	74.00	-14.85	54.14	5.01	Peak	106	234
3	5350.00	45.07	54.00	-8.93	40.65	4.42	Average	106	234
4	5350.00	58.58	74.00	-15.42	54.16	4.42	Peak	106	234
5	10600.00	42.80	54.00	-11.20	28.45	14.35	Average	100	30
6	10600.00	56.51	74.00	-17.49	42.16	14.35	Peak	100	30
7	15900.00	42.99	54.00	-11.01	29.42	13.57	Average	100	50
8	15900.00	55.90	74.00	-18.10	42.33	13.57	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5300
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

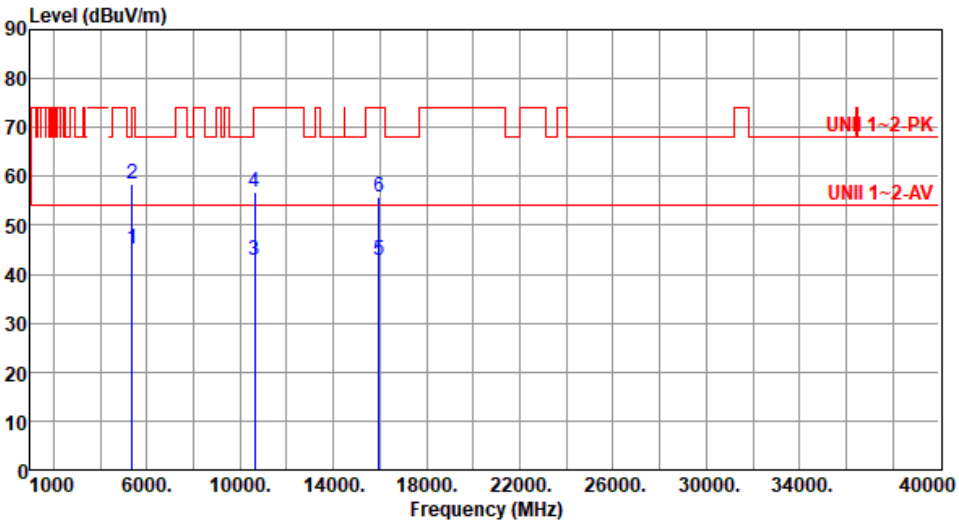


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.61	54.00	-8.39	40.60	5.01	Average	175	262
2	5150.00	59.56	74.00	-14.44	54.55	5.01	Peak	175	262
3	5350.00	46.44	54.00	-7.56	42.02	4.42	Average	175	262
4	5350.00	60.10	74.00	-13.90	55.68	4.42	Peak	175	262
5	10600.00	42.99	54.00	-11.01	28.64	14.35	Average	100	40
6	10600.00	56.66	74.00	-17.34	42.31	14.35	Peak	100	40
7	15900.00	43.16	54.00	-10.84	29.59	13.57	Average	100	60
8	15900.00	56.02	74.00	-17.98	42.45	13.57	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

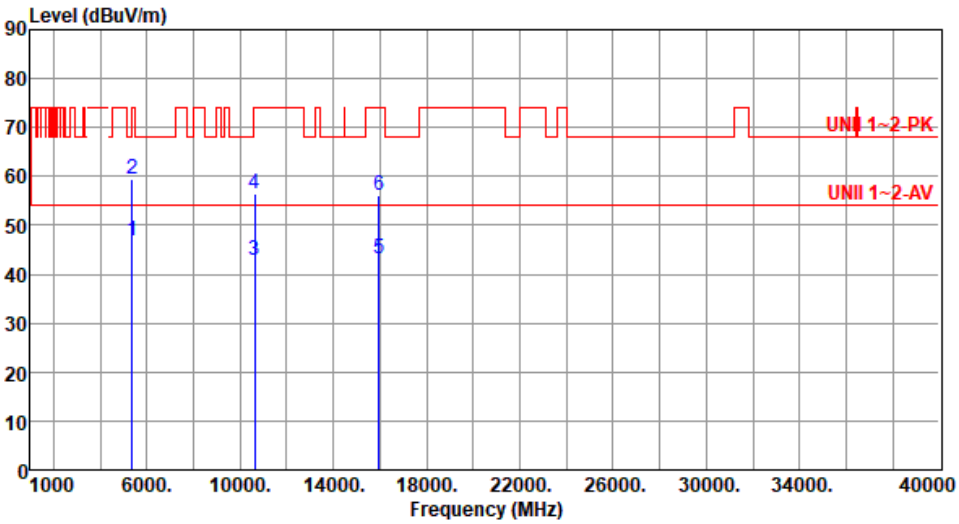


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	45.27	54.00	-8.73	40.85	4.42	Average	103	233
2	5350.00	58.45	74.00	-15.55	54.03	4.42	Peak	103	233
3	10640.00	42.69	54.00	-11.31	28.32	14.37	Average	100	40
4	10640.00	56.63	74.00	-17.37	42.26	14.37	Peak	100	40
5	15960.00	43.00	54.00	-11.00	29.32	13.68	Average	100	60
6	15960.00	55.83	74.00	-18.17	42.15	13.68	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5320
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

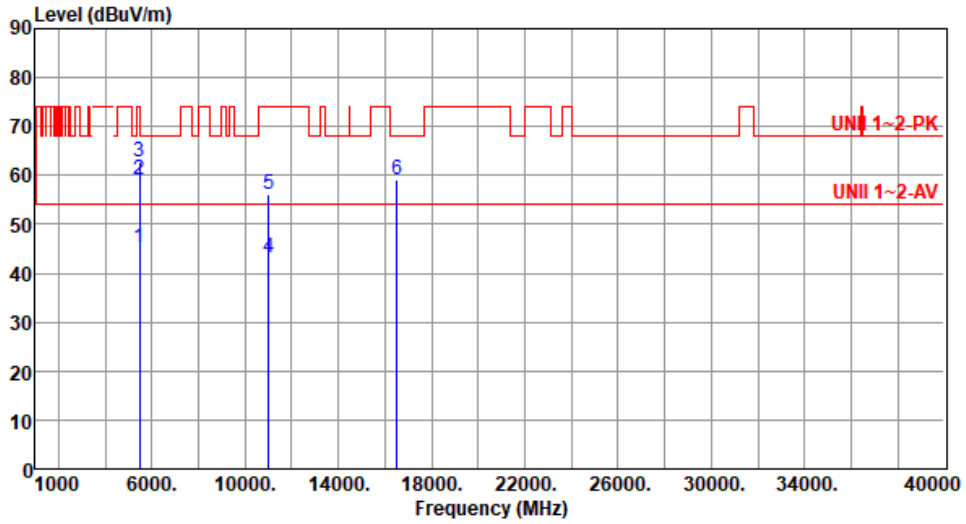


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.73	54.00	-7.27	42.31	4.42	Average	185	259
2	5350.00	59.34	74.00	-14.66	54.92	4.42	Peak	185	259
3	10640.00	42.82	54.00	-11.18	28.45	14.37	Average	100	30
4	10640.00	56.52	74.00	-17.48	42.15	14.37	Peak	100	30
5	15960.00	43.16	54.00	-10.84	29.48	13.68	Average	100	55
6	15960.00	55.98	74.00	-18.02	42.30	13.68	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5500
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

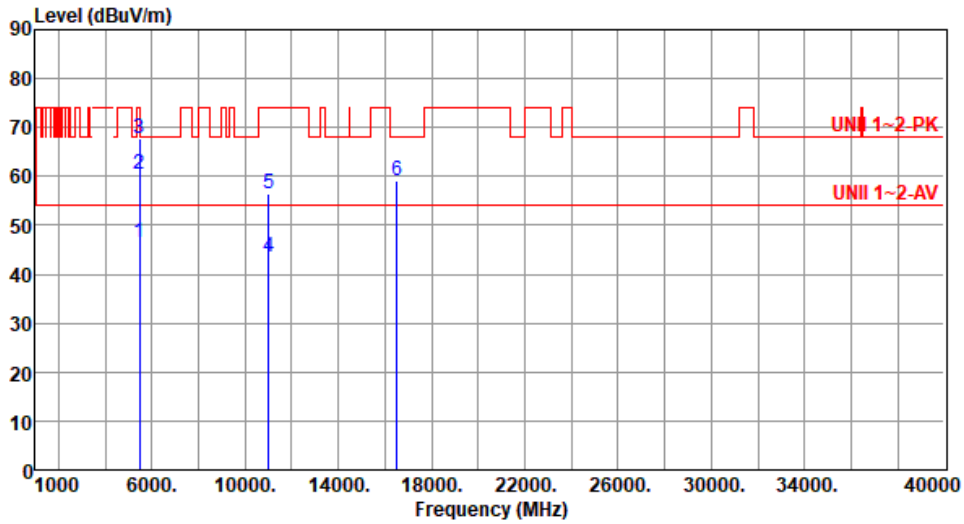


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.24	54.00	-8.76	40.57	4.67	Average	177	106
2	5460.00	59.26	74.00	-14.74	54.59	4.67	Peak	177	106
3	5470.00	62.65	68.20	-5.55	57.95	4.70	Peak	177	106
4	11000.00	43.30	54.00	-10.70	28.65	14.65	Average	100	30
5	11000.00	56.10	74.00	-17.90	41.45	14.65	Peak	100	30
6	16500.00	59.09	68.20	-9.11	42.75	16.34	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5500
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

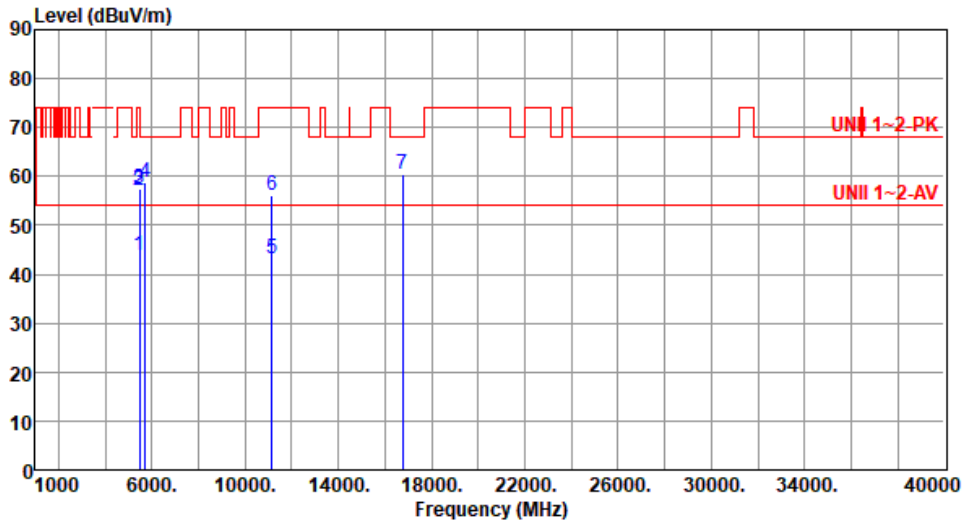


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	46.66	54.00	-7.34	41.99	4.67	Average	164	289
2	5460.00	60.32	74.00	-13.68	55.65	4.67	Peak	164	289
3	5470.00	67.75	68.20	-0.45	63.05	4.70	Peak	164	289
4	11000.00	43.54	54.00	-10.46	28.89	14.65	Average	100	20
5	11000.00	56.32	74.00	-17.68	41.67	14.65	Peak	100	20
6	16500.00	59.23	68.20	-8.97	42.89	16.34	Peak	100	100

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

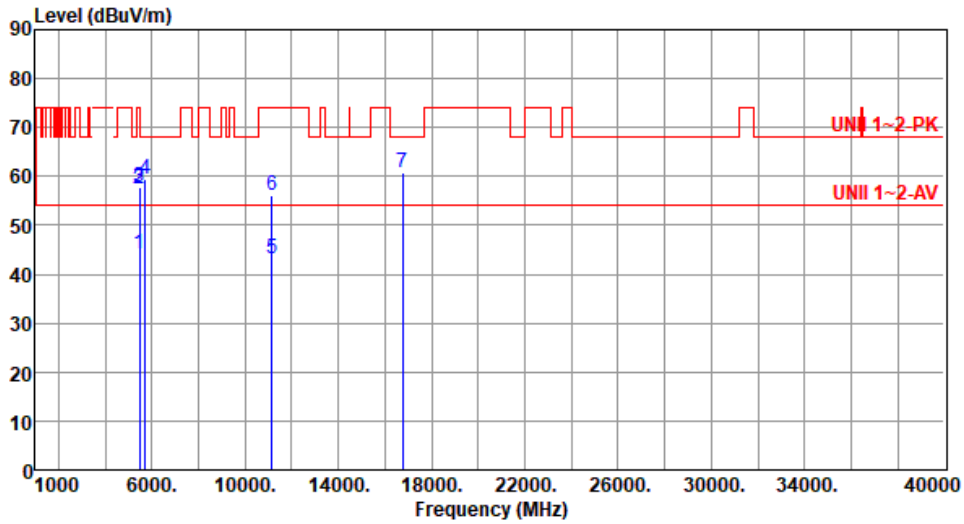


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.93	54.00	-10.07	39.26	4.67	Average	177	106
2	5460.00	57.14	74.00	-16.86	52.47	4.67	Peak	177	106
3	5470.00	57.45	68.20	-10.75	52.75	4.70	Peak	177	106
4	5725.00	58.76	68.20	-9.44	53.59	5.17	Peak	177	106
5	11160.00	43.12	54.00	-10.88	29.15	13.97	Average	100	30
6	11160.00	56.13	74.00	-17.87	42.16	13.97	Peak	100	30
7	16740.00	60.45	68.20	-7.75	43.28	17.17	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5580
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

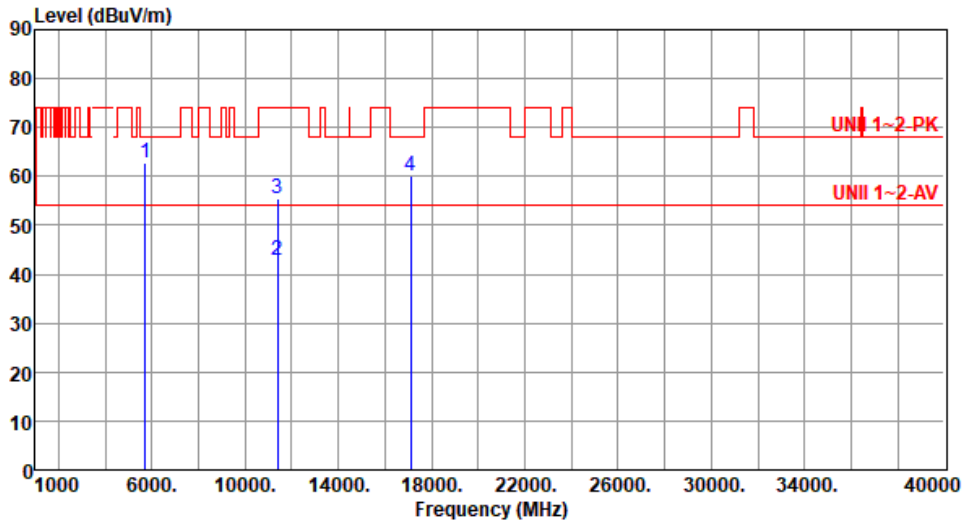


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.19	54.00	-9.81	39.52	4.67	Average	165	291
2	5460.00	57.33	74.00	-16.67	52.66	4.67	Peak	165	291
3	5470.00	57.66	68.20	-10.54	52.96	4.70	Peak	165	291
4	5725.00	59.46	68.20	-8.74	54.29	5.17	Peak	165	291
5	11160.00	43.22	54.00	-10.78	29.25	13.97	Average	100	40
6	11160.00	56.23	74.00	-17.77	42.26	13.97	Peak	100	40
7	16740.00	60.75	68.20	-7.45	43.58	17.17	Peak	100	25

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5700
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

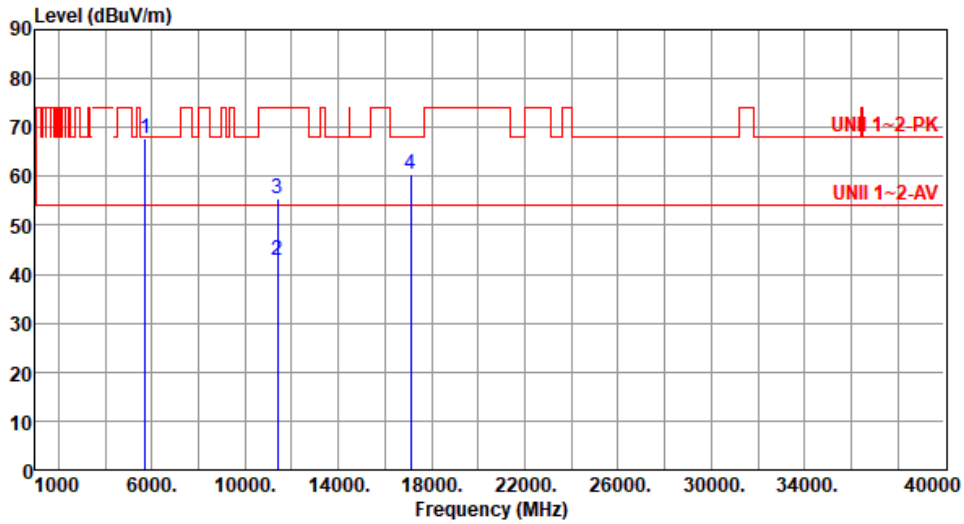


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	62.63	68.20	-5.57	57.46	5.17	Peak	175	106
2	11400.00	42.71	54.00	-11.29	28.57	14.14	Average	100	20
3	11400.00	55.41	74.00	-18.59	41.27	14.14	Peak	100	20
4	17100.00	60.17	68.20	-8.03	42.75	17.42	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5700
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

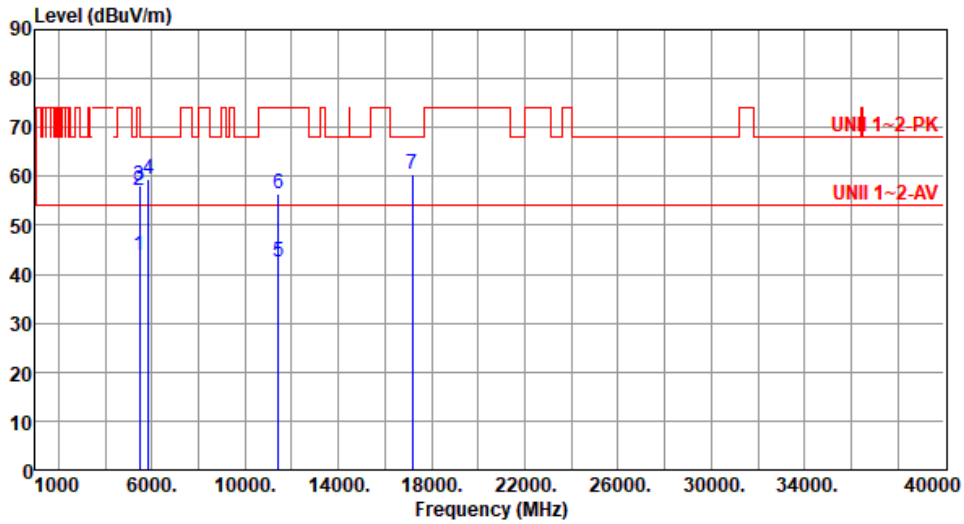


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.72	68.20	-0.48	62.55	5.17	Peak	164	264
2	11400.00	42.93	54.00	-11.07	28.79	14.14	Average	100	60
3	11400.00	55.60	74.00	-18.40	41.46	14.14	Peak	100	60
4	17100.00	60.30	68.20	-7.90	42.88	17.42	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5720
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

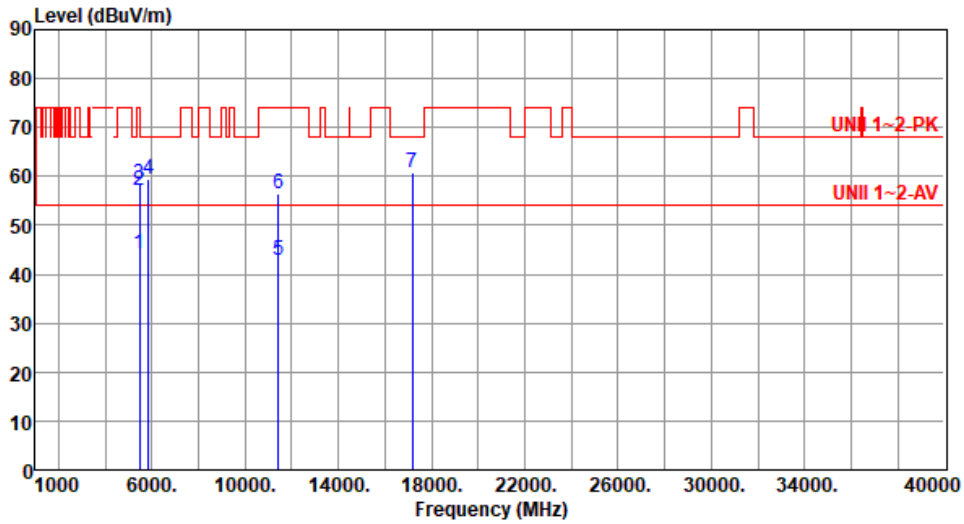


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	43.90	54.00	-10.10	39.23	4.67	Average	176	102
2	5460.00	57.02	74.00	-16.98	52.35	4.67	Peak	176	102
3	5470.00	58.15	68.20	-10.05	53.45	4.70	Peak	176	102
4	5850.00	59.30	68.20	-8.90	53.65	5.65	Peak	176	102
5	11440.00	42.66	54.00	-11.34	28.40	14.26	Average	100	60
6	11440.00	56.41	74.00	-17.59	42.15	14.26	Peak	100	60
7	17160.00	60.33	68.20	-7.87	42.91	17.42	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5720
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

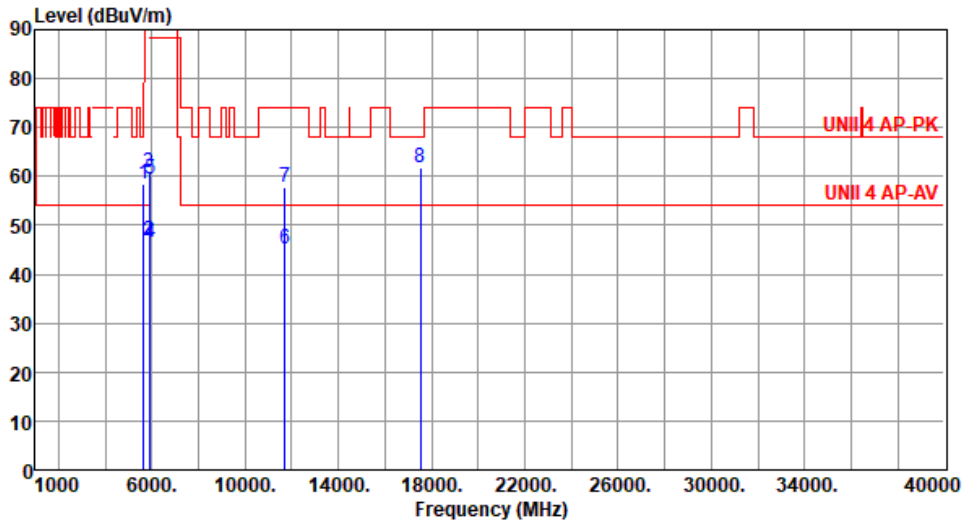


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.16	54.00	-9.84	39.49	4.67	Average	165	265
2	5460.00	57.26	74.00	-16.74	52.59	4.67	Peak	165	265
3	5470.00	58.32	68.20	-9.88	53.62	4.70	Peak	165	265
4	5850.00	59.53	68.20	-8.67	53.88	5.65	Peak	165	265
5	11440.00	42.93	54.00	-11.07	28.67	14.26	Average	100	30
6	11440.00	56.60	74.00	-17.40	42.34	14.26	Peak	100	30
7	17160.00	60.69	68.20	-7.51	43.27	17.42	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

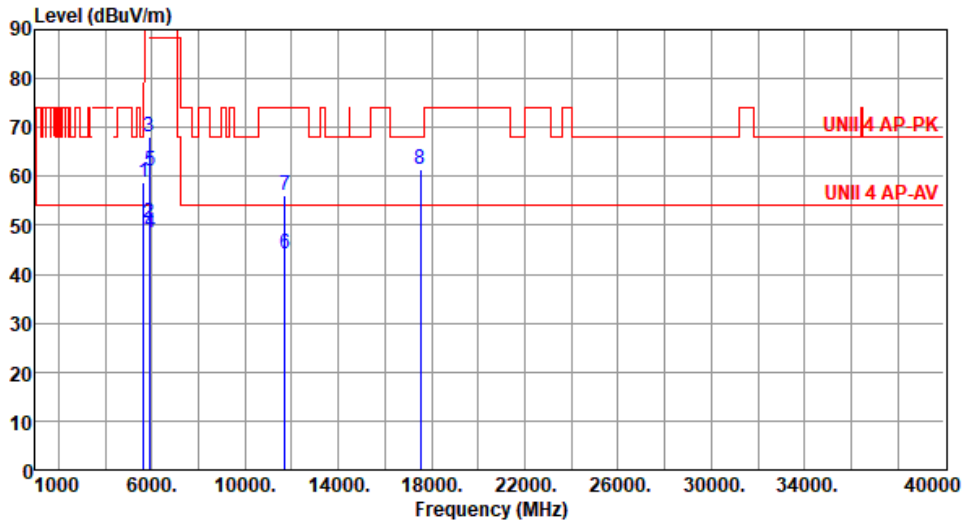


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.47	68.20	-9.73	53.66	4.81	Peak	159	107
2	5895.00	46.91	110.20	-63.29	41.26	5.65	Average	159	107
3	5895.00	60.78	130.20	-69.42	55.13	5.65	Peak	159	107
4	5925.00	46.66	88.20	-41.54	41.05	5.61	Average	159	107
5	5925.00	59.53	108.20	-48.67	53.92	5.61	Peak	159	107
6	11690.00	45.26	54.00	-8.74	31.57	13.69	Average	300	295
7	11690.00	57.62	74.00	-16.38	43.93	13.69	Peak	300	295
8	17535.00	61.72	68.20	-6.48	42.86	18.86	Peak	100	302

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5845
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

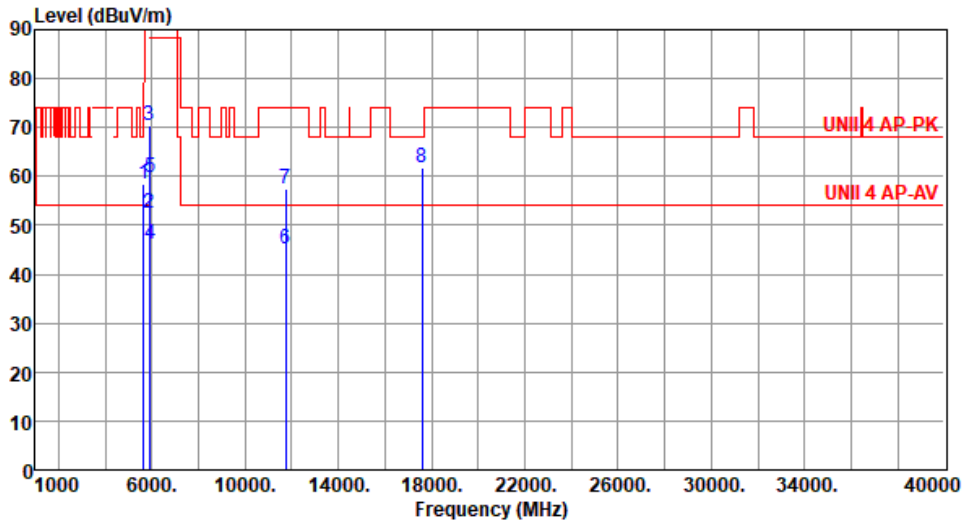


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.74	68.20	-9.46	53.93	4.81	Peak	180	313
2	5895.00	50.52	110.20	-59.68	44.87	5.65	Average	180	313
3	5895.00	67.92	130.20	-62.28	62.27	5.65	Peak	180	313
4	5925.00	48.56	88.20	-39.64	42.95	5.61	Average	180	313
5	5925.00	60.97	108.20	-47.23	55.36	5.61	Peak	180	313
6	11690.00	44.30	54.00	-9.70	30.61	13.69	Average	100	56
7	11690.00	56.02	74.00	-17.98	42.33	13.69	Peak	100	56
8	17535.00	61.43	68.20	-6.77	42.57	18.86	Peak	100	67

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5865
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

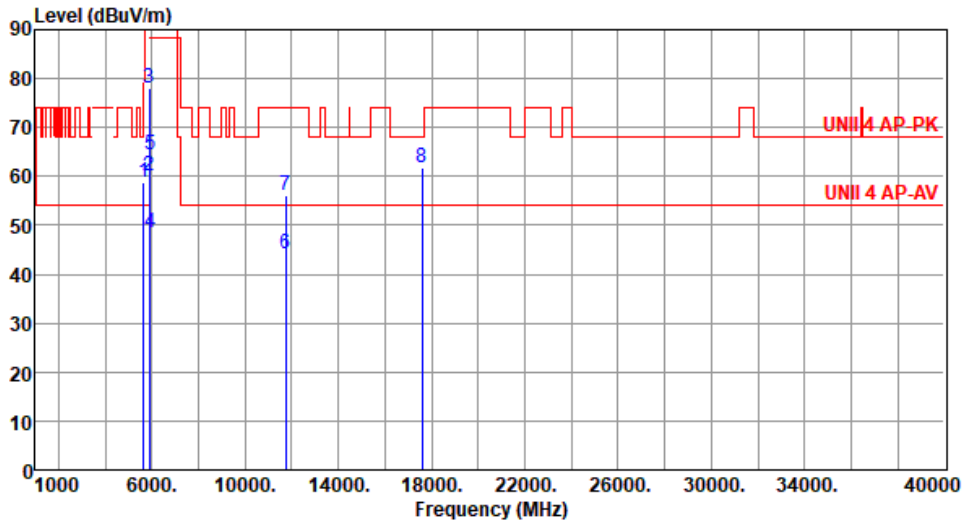


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.35	68.20	-9.85	53.54	4.81	Peak	163	107
2	5895.00	52.48	110.20	-57.72	46.83	5.65	Average	163	107
3	5895.00	70.25	130.20	-59.95	64.60	5.65	Peak	163	107
4	5925.00	46.29	88.20	-41.91	40.68	5.61	Average	163	107
5	5925.00	59.84	108.20	-48.36	54.23	5.61	Peak	163	107
6	11730.00	45.20	54.00	-8.80	31.64	13.56	Average	303	296
7	11730.00	57.52	74.00	-16.48	43.96	13.56	Peak	303	296
8	17595.00	61.89	68.20	-6.31	42.68	19.21	Peak	100	305

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5865
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

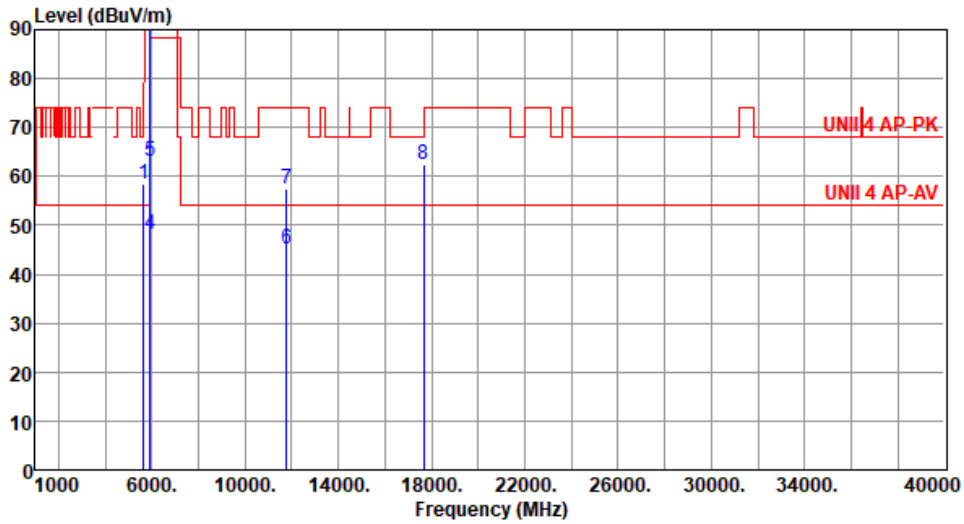


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.66	68.20	-9.54	53.85	4.81	Peak	182	316
2	5895.00	60.24	110.20	-49.96	54.59	5.65	Average	182	316
3	5895.00	78.06	130.20	-52.14	72.41	5.65	Peak	182	316
4	5925.00	48.56	88.20	-39.64	42.95	5.61	Average	182	316
5	5925.00	64.38	108.20	-43.82	58.77	5.61	Peak	182	316
6	11730.00	44.03	54.00	-9.97	30.47	13.56	Average	100	53
7	11730.00	56.04	74.00	-17.96	42.48	13.56	Peak	100	53
8	17595.00	61.64	68.20	-6.56	42.43	19.21	Peak	100	64

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5885
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

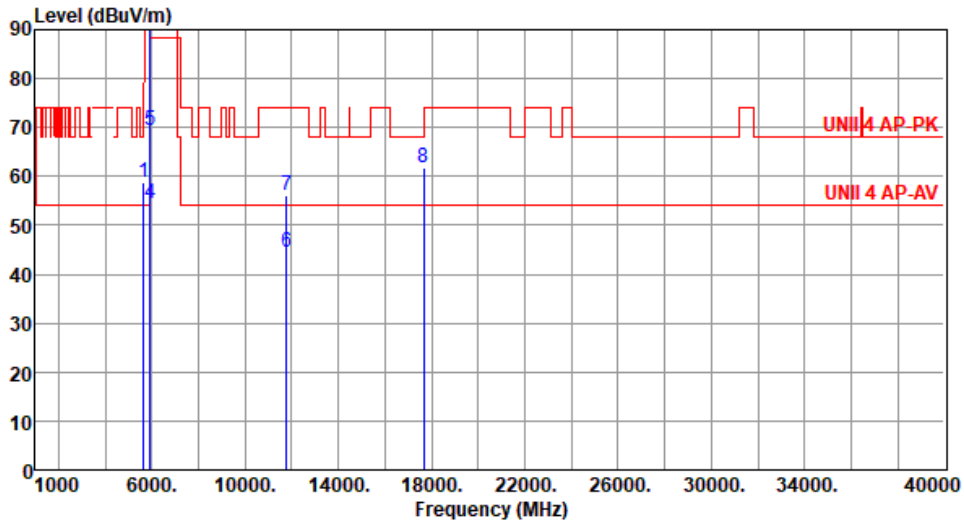


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.45	68.20	-9.75	53.64	4.81	Peak	164	103
2	5895.00	89.92	110.20	-20.28	84.27	5.65	Average	164	103
3	5895.00	102.92	130.20	-27.28	97.27	5.65	Peak	164	103
4	5925.00	48.16	88.20	-40.04	42.55	5.61	Average	164	103
5	5925.00	62.95	108.20	-45.25	57.34	5.61	Peak	164	103
6	11770.00	45.01	54.00	-8.99	31.56	13.45	Average	305	294
7	11770.00	57.31	74.00	-16.69	43.86	13.45	Peak	305	294
8	17655.00	62.57	68.20	-5.63	42.90	19.67	Peak	100	302

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE20-OFDMA	Test Freq. (MHz)	5885
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63



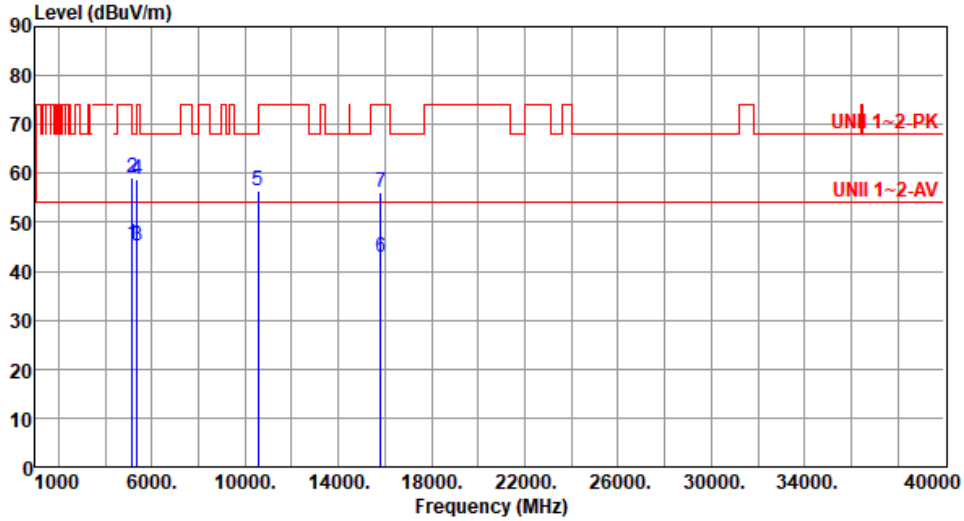
	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.69	68.20	-9.51	53.88	4.81	Peak	182	318
2	5895.00	96.25	110.20	-13.95	90.60	5.65	Average	182	318
3	5895.00	109.61	130.20	-20.59	103.96	5.65	Peak	182	318
4	5925.00	54.32	88.20	-33.88	48.71	5.61	Average	182	318
5	5925.00	69.43	108.20	-38.77	63.82	5.61	Peak	182	318
6	11770.00	44.35	54.00	-9.65	30.90	13.45	Average	100	53
7	11770.00	56.13	74.00	-17.87	42.68	13.45	Peak	100	53
8	17655.00	61.94	68.20	-6.26	42.27	19.67	Peak	100	65

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.5.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for ax HE40-OFDMA

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

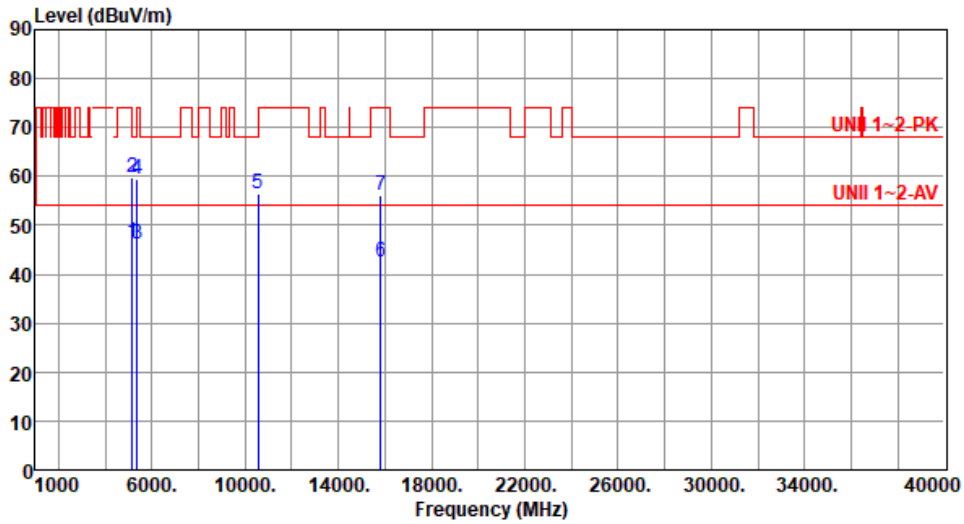


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	45.52	54.00	-8.48	40.51	5.01	Average	103	234
2	5150.00	59.04	74.00	-14.96	54.03	5.01	Peak	103	234
3	5350.00	45.10	54.00	-8.90	40.68	4.42	Average	103	234
4	5350.00	58.71	74.00	-15.29	54.29	4.42	Peak	103	234
5	10540.00	56.47	68.20	-11.73	42.03	14.44	Peak	100	70
6	15810.00	42.75	54.00	-11.25	29.25	13.50	Average	100	40
7	15810.00	56.18	74.00	-17.82	42.68	13.50	Peak	100	40

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5270
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

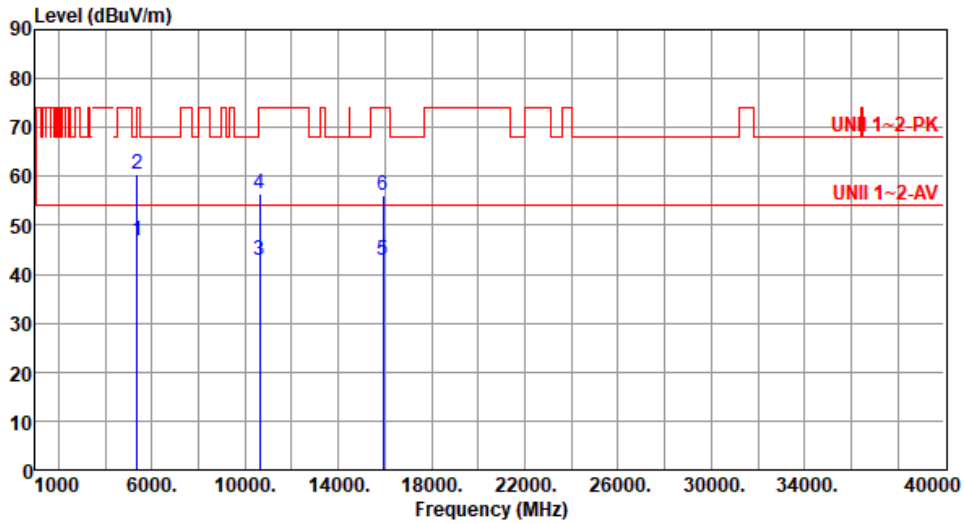


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5150.00	46.64	54.00	-7.36	41.63	5.01	Average	187	261
2	5150.00	59.87	74.00	-14.13	54.86	5.01	Peak	187	261
3	5350.00	46.27	54.00	-7.73	41.85	4.42	Average	187	261
4	5350.00	59.54	74.00	-14.46	55.12	4.42	Peak	187	261
5	10540.00	56.60	68.20	-11.60	42.16	14.44	Peak	100	80
6	15810.00	42.62	54.00	-11.38	29.12	13.50	Average	100	50
7	15810.00	56.09	74.00	-17.91	42.59	13.50	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5310
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

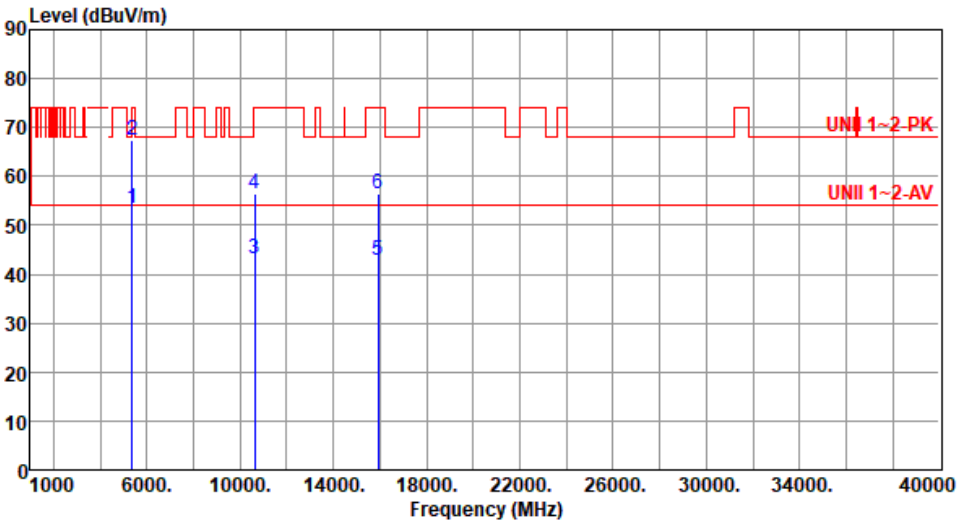


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	46.98	54.00	-7.02	42.56	4.42	Average	100	238
2	5350.00	60.57	74.00	-13.43	56.15	4.42	Peak	100	238
3	10620.00	42.81	54.00	-11.19	28.45	14.36	Average	100	30
4	10620.00	56.37	74.00	-17.63	42.01	14.36	Peak	100	30
5	15930.00	42.77	54.00	-11.23	29.14	13.63	Average	100	60
6	15930.00	56.07	74.00	-17.93	42.44	13.63	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5310
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

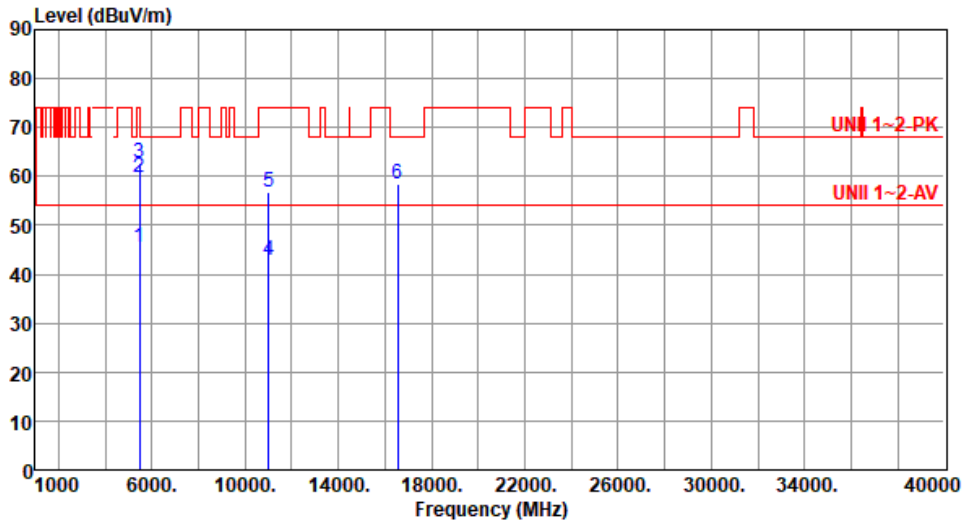


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5350.00	53.56	54.00	-0.44	49.14	4.42	Average	188	260
2	5350.00	67.40	74.00	-6.60	62.98	4.42	Peak	188	260
3	10620.00	43.03	54.00	-10.97	28.67	14.36	Average	100	40
4	10620.00	56.52	74.00	-17.48	42.16	14.36	Peak	100	40
5	15930.00	42.97	54.00	-11.03	29.34	13.63	Average	100	20
6	15930.00	56.30	74.00	-17.70	42.67	13.63	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5510
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

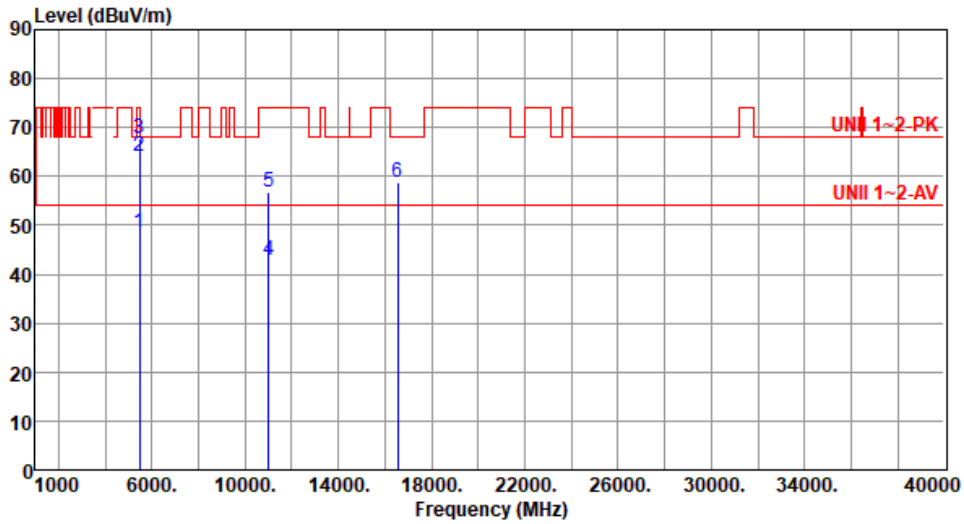


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	45.36	54.00	-8.64	40.69	4.67	Average	176	102
2	5460.00	59.83	74.00	-14.17	55.16	4.67	Peak	176	102
3	5470.00	62.81	68.20	-5.39	58.11	4.70	Peak	176	102
4	11020.00	42.77	54.00	-11.23	28.21	14.56	Average	100	40
5	11020.00	56.69	74.00	-17.31	42.13	14.56	Peak	100	40
6	16530.00	58.37	68.20	-9.83	42.13	16.24	Peak	100	70

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5510
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

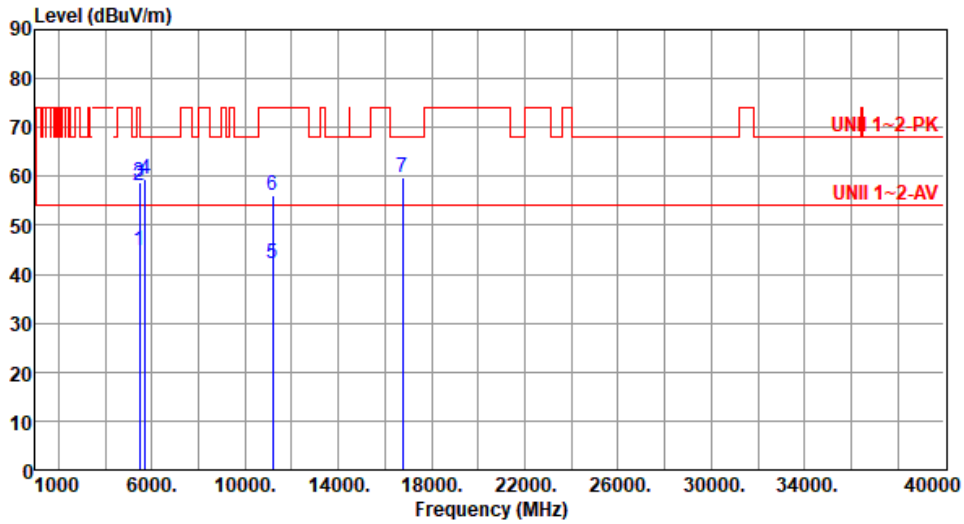


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	48.48	54.00	-5.52	43.81	4.67	Average	162	290
2	5460.00	64.09	74.00	-9.91	59.42	4.67	Peak	162	290
3	5470.00	67.81	68.20	-0.39	63.11	4.70	Peak	162	290
4	11020.00	42.98	54.00	-11.02	28.42	14.56	Average	100	30
5	11020.00	56.85	74.00	-17.15	42.29	14.56	Peak	100	30
6	16530.00	58.78	68.20	-9.42	42.54	16.24	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

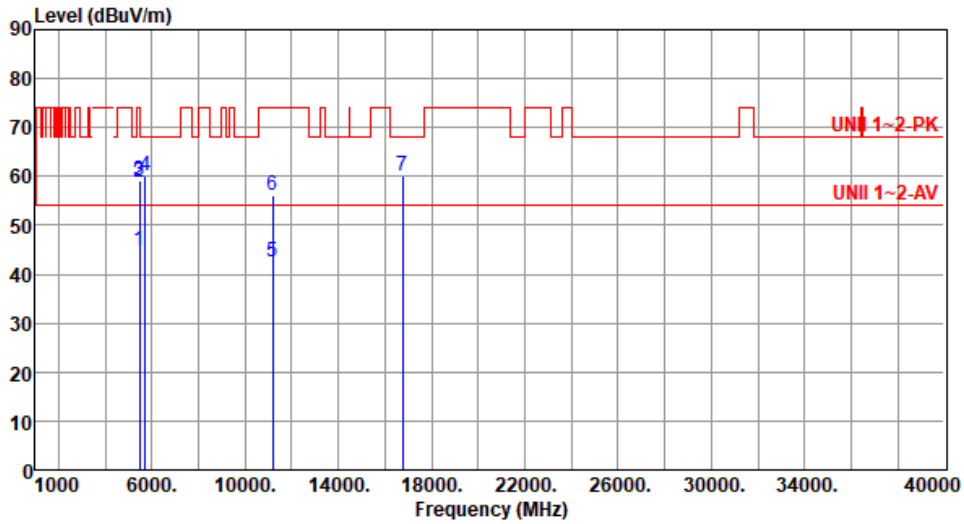


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.83	54.00	-9.17	40.16	4.67	Average	177	106
2	5460.00	58.27	74.00	-15.73	53.60	4.67	Peak	177	106
3	5470.00	58.68	68.20	-9.52	53.98	4.70	Peak	177	106
4	5725.00	59.28	68.20	-8.92	54.11	5.17	Peak	177	106
5	11180.00	42.30	54.00	-11.70	28.42	13.88	Average	100	90
6	11180.00	56.03	74.00	-17.97	42.15	13.88	Peak	100	90
7	16770.00	59.89	68.20	-8.31	42.54	17.35	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5590
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

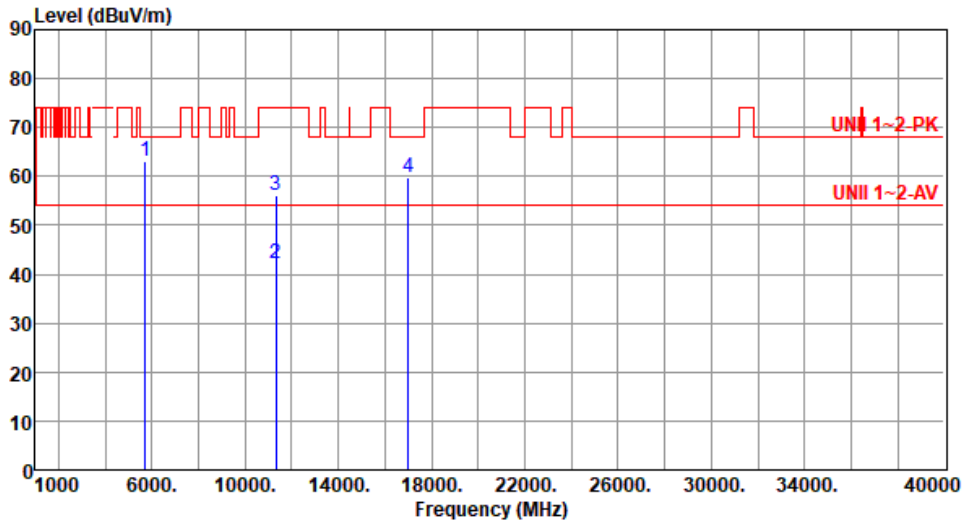


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.89	54.00	-9.11	40.22	4.67	Average	165	263
2	5460.00	58.89	74.00	-15.11	54.22	4.67	Peak	165	263
3	5470.00	58.99	68.20	-9.21	54.29	4.70	Peak	165	263
4	5725.00	60.03	68.20	-8.17	54.86	5.17	Peak	165	263
5	11180.00	42.47	54.00	-11.53	28.59	13.88	Average	100	40
6	11180.00	56.22	74.00	-17.78	42.34	13.88	Peak	100	40
7	16770.00	60.02	68.20	-8.18	42.67	17.35	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5670
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

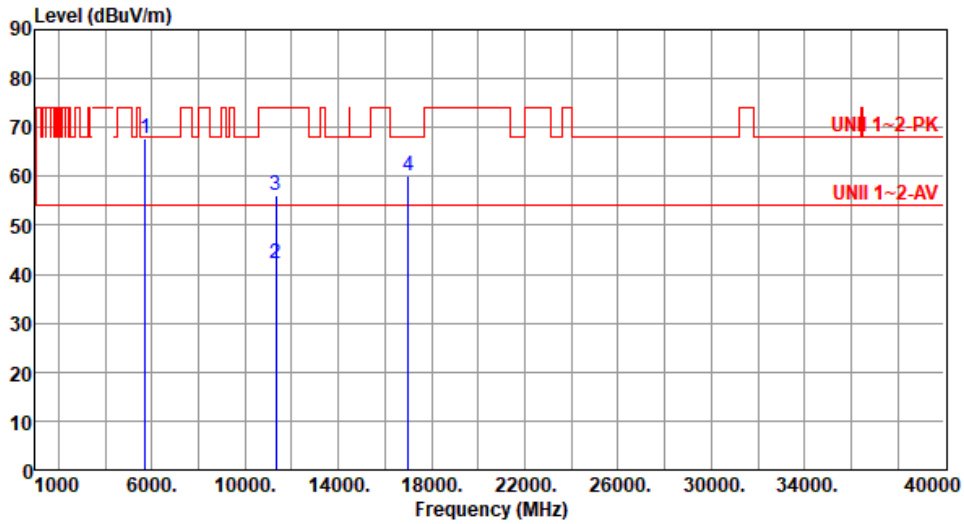


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	63.03	68.20	-5.17	57.86	5.17	Peak	178	102
2	11340.00	42.13	54.00	-11.87	28.15	13.98	Average	100	30
3	11340.00	55.96	74.00	-18.04	41.98	13.98	Peak	100	30
4	17010.00	59.90	68.20	-8.30	42.65	17.25	Peak	100	50

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5670
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

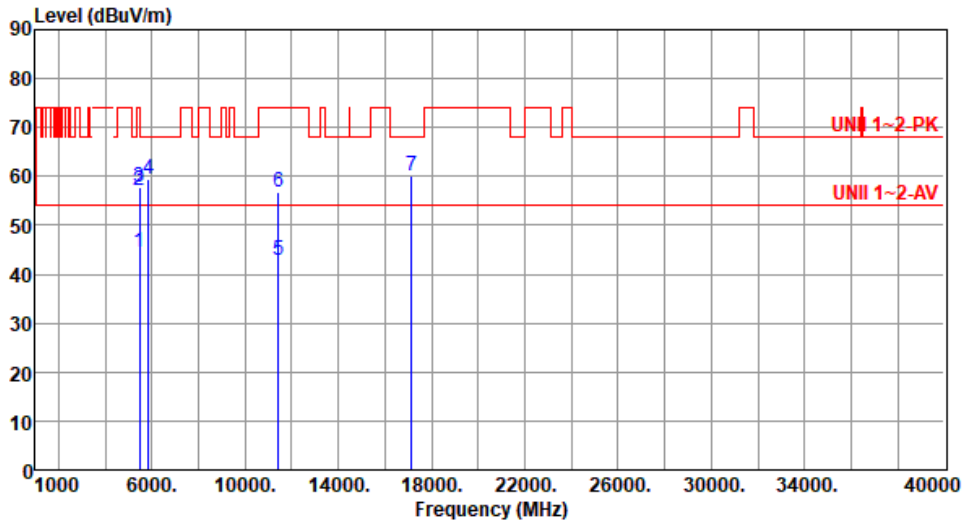


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5725.00	67.89	68.20	-0.31	62.72	5.17	Peak	163	264
2	11340.00	42.31	54.00	-11.69	28.33	13.98	Average	100	40
3	11340.00	56.11	74.00	-17.89	42.13	13.98	Peak	100	40
4	17010.00	60.10	68.20	-8.10	42.85	17.25	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5710
Polarization	Horizontal		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

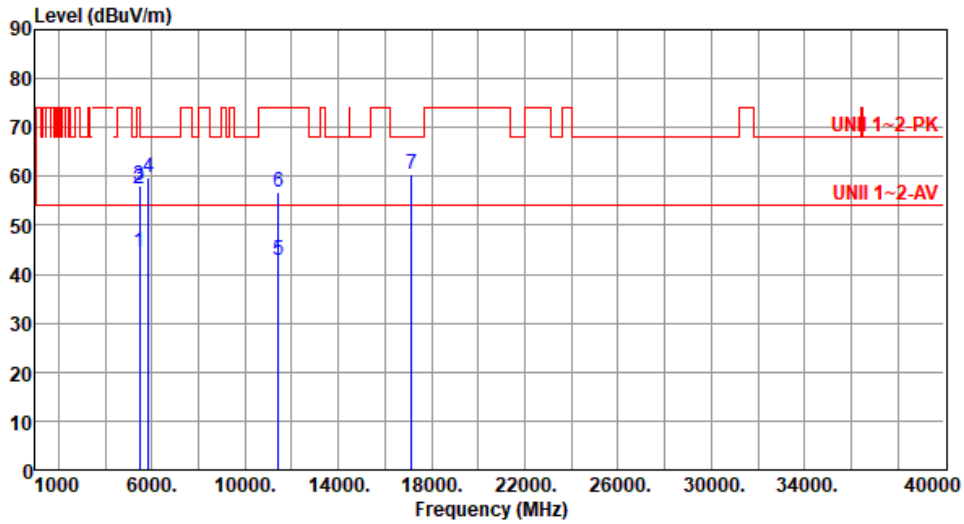


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.36	54.00	-9.64	39.69	4.67	Average	177	106
2	5460.00	57.13	74.00	-16.87	52.46	4.67	Peak	177	106
3	5470.00	57.85	68.20	-10.35	53.15	4.70	Peak	177	106
4	5850.00	59.31	68.20	-8.89	53.66	5.65	Peak	177	106
5	11420.00	42.75	54.00	-11.25	28.55	14.20	Average	100	30
6	11420.00	56.66	74.00	-17.34	42.46	14.20	Peak	100	30
7	17130.00	60.11	68.20	-8.09	42.68	17.43	Peak	100	60

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5710
Polarization	Vertical		

Test By :Brad Wu Temperature(℃):22 Humidity(%):64

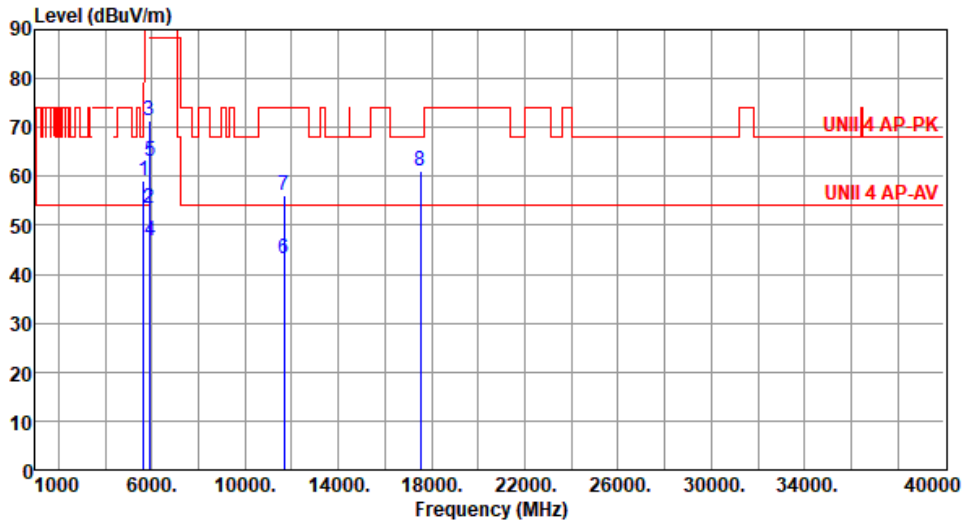


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5460.00	44.64	54.00	-9.36	39.97	4.67	Average	166	268
2	5460.00	57.36	74.00	-16.64	52.69	4.67	Peak	166	268
3	5470.00	58.05	68.20	-10.15	53.35	4.70	Peak	166	268
4	5850.00	59.90	68.20	-8.30	54.25	5.65	Peak	166	268
5	11420.00	42.84	54.00	-11.16	28.64	14.20	Average	100	60
6	11420.00	56.78	74.00	-17.22	42.58	14.20	Peak	100	60
7	17130.00	60.38	68.20	-7.82	42.95	17.43	Peak	100	55

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5835
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

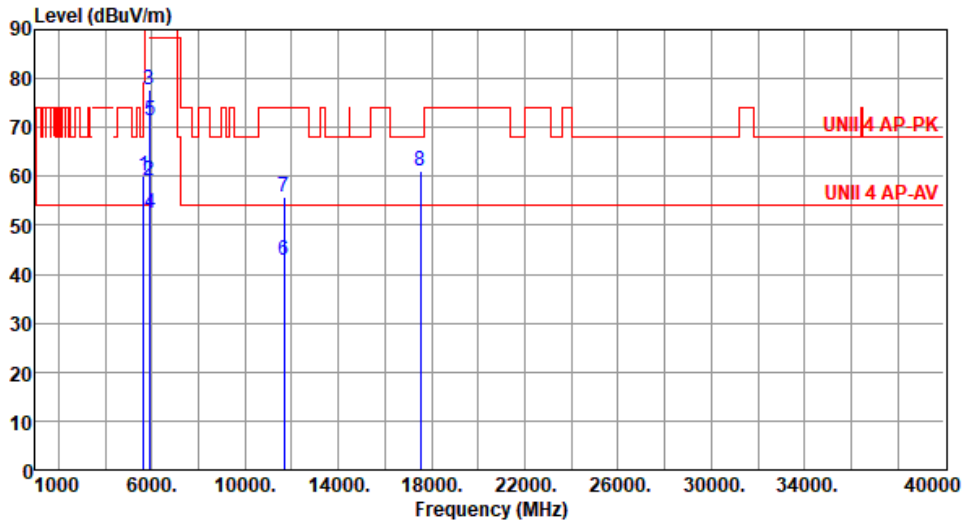


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.95	68.20	-9.25	54.14	4.81	Peak	162	106
2	5895.00	53.54	110.20	-56.66	47.89	5.65	Average	162	106
3	5895.00	71.25	130.20	-58.95	65.60	5.65	Peak	162	106
4	5925.00	46.87	88.20	-41.33	41.26	5.61	Average	162	106
5	5925.00	63.20	108.20	-45.00	57.59	5.61	Peak	162	106
6	11670.00	43.24	54.00	-10.76	29.45	13.79	Average	100	60
7	11670.00	56.05	74.00	-17.95	42.26	13.79	Peak	100	60
8	17505.00	61.23	68.20	-6.97	42.56	18.67	Peak	100	30

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5835
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

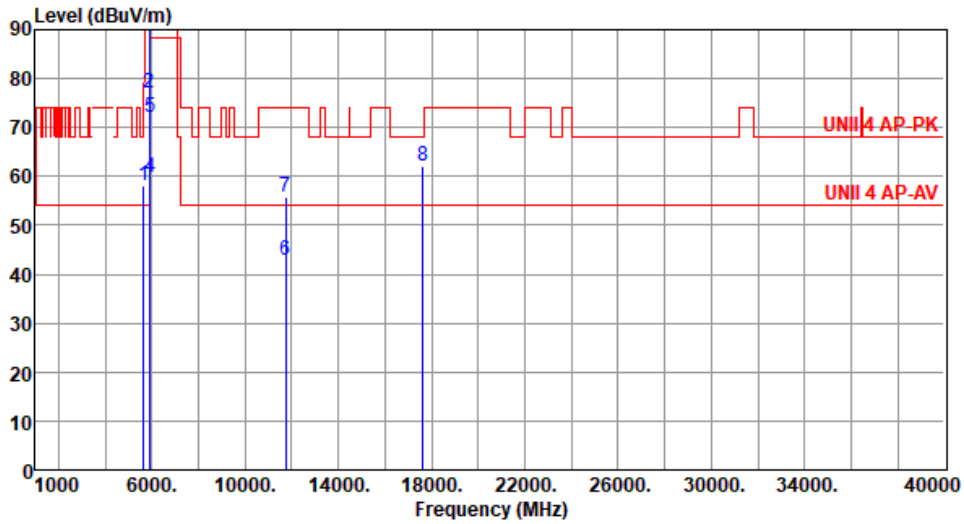


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	60.02	68.20	-8.18	55.21	4.81	Peak	198	315
2	5895.00	59.23	110.20	-50.97	53.58	5.65	Average	198	315
3	5895.00	77.78	130.20	-52.42	72.13	5.65	Peak	198	315
4	5925.00	52.39	88.20	-35.81	46.78	5.61	Average	198	315
5	5925.00	71.29	108.20	-36.91	65.68	5.61	Peak	198	315
6	11670.00	42.99	54.00	-11.01	29.20	13.79	Average	100	40
7	11670.00	55.92	74.00	-18.08	42.13	13.79	Peak	100	40
8	17505.00	61.09	68.20	-7.11	42.42	18.67	Peak	100	20

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5875
Polarization	Horizontal		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63

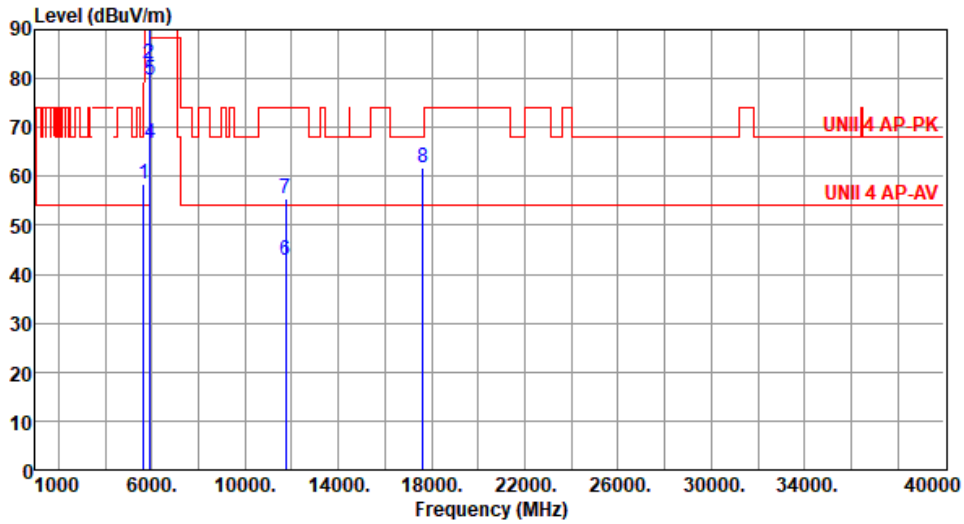


	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.22	68.20	-9.98	53.41	4.81	Peak	164	105
2	5895.00	77.21	110.20	-32.99	71.56	5.65	Average	164	105
3	5895.00	91.77	130.20	-38.43	86.12	5.65	Peak	164	105
4	5925.00	59.72	88.20	-28.48	54.11	5.61	Average	164	105
5	5925.00	72.20	108.20	-36.00	66.59	5.61	Peak	164	105
6	11750.00	42.98	54.00	-11.02	29.48	13.50	Average	100	30
7	11750.00	55.84	74.00	-18.16	42.34	13.50	Peak	100	30
8	17625.00	61.99	68.20	-6.21	42.55	19.44	Peak	100	90

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Modulation	ax HE40-OFDMA	Test Freq. (MHz)	5875
Polarization	Vertical		

Test By :Roger Lu Temperature(℃):22 Humidity(%):63



	Freq. MHz	Emission level dBuV/m	Limit dBuV/m	Margin dB	SA reading dBuV	Factor dB/m	Remark	ANT High cm	Turn Table deg
1	5650.00	58.39	68.20	-9.81	53.58	4.81	Peak	174	319
2	5895.00	83.16	110.20	-27.04	77.51	5.65	Average	174	319
3	5895.00	98.02	130.20	-32.18	92.37	5.65	Peak	174	319
4	5925.00	66.61	88.20	-21.59	61.00	5.61	Average	174	319
5	5925.00	79.61	108.20	-28.59	74.00	5.61	Peak	174	319
6	11750.00	42.82	54.00	-11.18	29.32	13.50	Average	100	20
7	11750.00	55.61	74.00	-18.39	42.11	13.50	Peak	100	20
8	17625.00	61.87	68.20	-6.33	42.43	19.44	Peak	100	80

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).