



# RADIO TEST REPORT

**FCC ID** : LDK-9160S2579  
**Equipment** : Catalyst Wireless 9166D1 Series Wi-Fi 6E Access Point  
**Brand Name** : CISCO  
**Model Name** : CW9166D1-B, CW9166D1-MR  
**Applicant** : Cisco Systems Inc  
125 West Tasman Drive San Jose California United States 95134-1706  
**Manufacturer** : Cisco Systems Inc  
125 West Tasman Drive San Jose California United States 95134-1706  
**Standard** : 47 CFR FCC Part 15.407

The product was received on Jan. 17, 2023, and testing was started from Feb. 21, 2023 and completed on May 08, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

**Sporton International Inc. Hsinchu Laboratory**

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**Photographs of EUT v01**



### History of this test report

Report No.	Version	Description	Issued Date
FR313002AC	01	Initial issue of report	Jun. 14, 2023



## Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.407(a)	Emission Bandwidth	PASS	-
3.3	15.407(a)	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	PASS	-
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
3.6	15.407(d)	Contention-Based Protocol	PASS	-
3.7	15.407(g)	Frequency Stability	PASS	-

**Conformity Assessment Condition:**

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

**Disclaimer:**

1. The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.
2. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.

**Reviewed by: Sam Chen****Report Producer: Vicky Huang**



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20)	5955-7115	1-233 [59]
5925-7125	ax (HEW40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160)	6025-6985	15-207 [7]

#### <Radio 2>

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW20-BF	20	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40	40	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW40-BF	40	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80	80	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW80-BF	80	2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160	160	1, 2, 4TX/4RX
5.925-7.125GHz	802.11ax HEW160-BF	160	2, 4TX/4RX

#### <Radio 3>

Band	Mode	BWch (MHz)	Nant
5.925-7.125GHz	802.11ax HEW20	20	1TX/2RX

#### Note:

- ♦ HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ BWch is the nominal channel bandwidth.



**1.1.2 Antenna Information**

Ant.	Brand	Model Name	Ant. Type	Connector	Gain (dBi)
1	CISCO	95XEAM15.G04 WIFI 2/5G_4	Dipole	I-PEX	Note2
2	CISCO	95XEAM15.G03 WIFI 2/5G_3	Dipole	I-PEX	
3	CISCO	95XEAM15.G02 WIFI 2/5G_2	Dipole	I-PEX	
4	CISCO	95XEAM15.G01 WIFI 2/5G_1	Dipole	I-PEX	
5	CISCO	95XEAM15.G05 WIFI 5/6G_1	Dipole	I-PEX	
6	CISCO	95XEAM15.G06 WIFI 5/6G_2	Dipole	I-PEX	
7	CISCO	95XEAM15.G07 WIFI 5/6G_3	Dipole	I-PEX	
8	CISCO	95XEAM15.G08 WIFI 5/6G_4	Dipole	I-PEX	
9	CISCO	95XEAM15.G10 AUX_2	Dipole	I-PEX	
10	CISCO	95XEAM15.G09 AUX_1	Dipole	I-PEX	
11	CISCO	95XEAM15.G11 IOT	Loop	I-PEX	

Ant.	Port											
	R1: WLAN 2.4GHz			R1: WLAN 5GHz UNII 1~3			R2: WLAN 5GHz UNII 2C~3/ WLAN 6GHz			R3: WLAN 2.4GHz / 5GHz UNII 1~3/ WLAN 6GHz		R4: Bluetooth/ Zigbee
	1TX	2TX	4TX	1TX	2TX	4TX	1TX	2TX	4TX	1TX/2RX	1TX	
1	-	-	3	-	-	3	-	-	-	-	-	
2	-	2	2	-	2	2	-	-	-	-	-	
3	1	1	1	1	1	1	-	-	-	-	-	
4	-	-	4	-	-	4	-	-	-	-	-	
5	-	-	-	-	-	-	-	2	2	-	-	
6	-	-	-	-	-	-	1	1	1	-	-	
7	-	-	-	-	-	-	-	-	3	-	-	
8	-	-	-	-	-	-	-	-	4	-	-	
9	-	-	-	-	-	-	-	-	-	1	-	
10	-	-	-	-	-	-	-	-	-	2	-	
11	-	-	-	-	-	-	-	-	-	-	1	

Note1: R means Radio.

Note2:

Ant.	Antenna Gain (dBi)						
	R1: WLAN 2.4GHz		R1: WLAN 5GHz UNII 1~3				
			5.2G	5.3G	5.6G	5.785G	
1	6.57		5.21	4.46	4.78	5.2	
2	4.11		4.59	4.32	4.02	4.45	
3	5.46		4.55	3.8	3.49	3.89	
4	6.55		4.84	4.48	3.62	5.02	
Ant.	R2: WLAN 5GHz UNII 2C~3/WLAN 6GHz						
	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G	
5	7.48	6.28	6.49	5.9	7.49	7.42	
6	7.11	8.01	6	4.87	7.65	8.32	
7	7.24	6.68	5.88	4.86	7.37	7.26	
8	6.57	7.32	6.34	7.31	6.46	6.82	
Ant.	R3: WLAN 2.4GHz/5GHz UNII 1~3/WLAN 6GHz						
	WLAN 2.4GHz		WLAN 5GHz UNII 1~3			WLAN 6GHz	
	6.9		6.6			6.8	
Ant.	R4: Bluetooth/Zigbee						
	8.8						



Note3:

Item	Directional Gain (dBi)						
	R1: WLAN 2.4GHz	R1: WLAN 5GHz UNII 1~3					
		5.2G	5.3G	5.6G	5.785G		
2T1S	5.49	5.02	4.37	4.05	4.48		
2T2S	5.46	4.59	4.32	4.02	4.45		
4T1S	8.71	8.02	7.47	6.91	7.51		
4T2S	6.57	5.21	4.48	4.78	5.2		
4T4S	6.57	5.21	4.48	4.78	5.2		
Item	R2: WLAN 5GHz UNII 2C~3/WLAN 6GHz						
	5.6G	5.785G	6.175G	6.475G	6.695G	6.995G	
2T1S	7.66	8.11	6.51	6.24	7.67	8.38	
2T2S	7.48	8.01	6.49	5.9	7.65	8.32	
4T1S	9.91	10.4	9.21	9.03	10.32	10.71	
4T2S	7.48	8.01	6.49	7.31	7.65	8.32	
4T4S	7.48	8.01	6.49	7.31	7.65	8.32	

Note4: 80+80MHz Directional gain information

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

Ex.

Directional Gain (NSS1) formula:

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{ANT}} \left( \sum_{k=1}^{N_{ANT}} G_{j,k} \right)^2}{N_{ANT}} \right]$$

NSS1(g1,1) = 10<sup>G1/20</sup> ; NSS1(g1,2) = 10<sup>G2/20</sup> ; NSS1(g1,3) = 10<sup>G3/20</sup> ; NSS1(g1,4) = 10<sup>G4/20</sup>

g<sub>j,k</sub> = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))<sup>2</sup>

DG = 10 log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))<sup>2</sup> / N<sub>ANT</sub>] => 10

log[(10<sup>G1/20</sup> + 10<sup>G2/20</sup> + 10<sup>G3/20</sup> + 10<sup>G4/20</sup>)<sup>2</sup> / N<sub>ANT</sub>]

Where ;

For 80+80

5G Band1 G1 = 5.21 dBi; G2 = 4.59 dBi; G3 = 4.55 dBi; G4 = 4.84 dB

5G Band2 G1 = 4.46 dBi; G2 = 4.32 dBi; G3 = 3.80 dBi; G4 = 4.48 dBi

5G Band3 G1 = 4.78 dBi; G2 = 4.02 dBi; G3 = 3.49 dBi; G4 = 3.62 dBi

For 2T1S

5G Band1 DG = 4.55 dBi

5G Band2 DG = 4.48 dBi

For 4T1S

5G Band1 DG = 7.58 dBi

5G Band2 DG = 7.48 dBi

For 2T2S

5G Band3 DG = 3.62 dBi

For 4T2S

5G Band3 DG = 7.01 dBi



Note5: The above information (except gain of Radio 1 and Radio 2) was declared by manufacturer.

Note6: Radio 1 (WLAN 2.4/5GHz UNII 1~3(except 80+80MHz)), Radio 2 (5GHz UNII 2C~3/6GHz UNII 5~8): The directional gain is measured which follows the procedure of KDB 662911 D03.

Radio 1 (5GHz UNII 1~2C(80+80MHz)): Maximum Directional Gain following KDB662911 D01

Note7: The EUT has eleven antennas.

**For WLAN 2.4GHz function (Radio 1):**

**For IEEE 802.11b/g/n/VHT/ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

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

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

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

**For WLAN 5GHz function (Radio 1 and Radio 2):**

**For IEEE 802.11a/n/ac/ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

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

For Radio 1 80+80MHz 2TX

Only Port 1 and Port 4 can be use as transmitting antenna.

Port 1 and Port 4 could transmit simultaneously.

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

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

**For WLAN 6GHz UNII 5~8 (Radio 2):**

**For IEEE 802.11ax mode (1TX,2TX,4TX/4RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2TX

Only Port 1 and Port 2 can be use as transmitting antenna.

Port 1 and Port 2 could transmit simultaneously.

For 4TX

Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.

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

For 4RX

Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.

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

**For Scanning Radio 3:**

**For WLAN 2.4GHz function**

**For 802.11b/g/n/VHT/ax mode (1TX/2RX):**

For 1TX

Only Port 1 can be use as transmitting antenna.

For 2RX

Port 1 and Port 2 can be used as receiving antennas.





Port 1 and Port 2 could receive simultaneously.  
**For WLAN 5GHz function**  
**For IEEE 802.11a/n/ac/ax mode (1TX/2RX):**  
 For 1TX  
 Only Port 1 can be use as transmitting antenna.  
 For 2RX  
 Port 1 and Port 2 can be used as receiving antennas.  
 Port 1 and Port 2 could receive simultaneously.  
**For WLAN 6GHz UNII 5~8:**  
**For IEEE 802.11ax mode (1TX/2RX):**  
 For 1TX  
 Only Port 1 can be use as transmitting antenna.  
 For 2RX  
 Port 1 and Port 2 can be used as receiving antennas.  
 Port 1 and Port 2 could receive simultaneously.  
**For Bluetooth/Zigbee function (Radio 4):**  
**For Bluetooth/Zigbee mode (1TX/1RX):**  
 Only Port 1 can be used as transmitting/receiving antenna.

### 1.1.3 Mode Test Duty Cycle

#### <Radio 2>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20_Nss1,(MCS0)	0.791	1.02	5.446m	300
802.11ax HEW20-BF_Nss1,(MCS0)	0.791	1.02	5.446m	300
802.11ax HEW40_Nss1,(MCS0)	0.793	1.01	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)	0.793	1.01	5.446m	300
802.11ax HEW80_Nss1,(MCS0)	0.789	1.03	5.446m	300
802.11ax HEW80-BF_Nss1,(MCS0)	0.789	1.03	5.446m	300
802.11ax HEW160_Nss1,(MCS0)	0.788	1.03	5.446m	300
802.11ax HEW160-BF_Nss1,(MCS0)	0.788	1.03	5.446m	300

#### <Radio 3>

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20_Nss1,(MCS0)	0.796	0.99	5.446m	300

Note:

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



**1.1.4 EUT Operational Condition**

<b>EUT Power Type</b>	From Power Adapter or PoE	
<b>Beamforming Function</b>	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming
	The product has beamforming function for n/VHT/ax in Radio1-2.4GHz, n/ac/ax in Radio1, 2-5GHz and ax in Radio2-6GHz.	
<b>Device Type</b>	<input checked="" type="checkbox"/> Indoor Access Point	<input type="checkbox"/> Subordinate
	<input type="checkbox"/> Indoor Client	<input type="checkbox"/> Standard Power Access Point
	<input type="checkbox"/> Dual Client	<input type="checkbox"/> Standard Client
	<input type="checkbox"/> Fixed Client	
<b>Channel Puncturing Function</b>	<input type="checkbox"/> Supported	<input checked="" type="checkbox"/> Unsupported
<b>Support RU</b>	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU
<b>Test Software Version</b>	Tera Term V4.75	
<b>Software / Firmware Version for CBP</b>	For Cisco FW: Sat Mar 18 02:48:51 GMT 2023 For Meraki FW: 30-202301192026-G6a713bf0-Lc25532a1M-dpiculik-spiritual	

Note: The above information was declared by manufacturer.

**1.1.5 Table for Multiple Listing**

Model Name	SW	R1: 2.4GHz	R1: 5GHz Low Band or R1: 5GHz Full Band	R2: 5GHz High Band or 6GHz	R3: 2.4GHz/ 5GHz/6GHz	R4: Bluetooth or Zigbee
CW9166D1-B	Cisco	V	V (With 80+80MHz)	V	V	V (Disable Zigbee function by SW)
CW9166D1-MR	Meraki	V	V (Without 80+80MHz)	V	V	V

Note1: From the above models:

Other test items, the model: CW9166D1-MR was selected as representative model for the test and its data was recorded in this report.

Contention-Based Protocol test item, both models were selected for the test and their data were recorded in this report.

Note2: The above information was declared by manufacturer.



**1.1.6 Table for Radio function**

Radio \ Function	WLAN 2.4GHz	WLAN 5GHz UNII 1~2A	WLAN 5GHz UNII 2C~3	WLAN 6GHz	Bluetooth	Zigbee
1 (Iron Radio)	V	V	V	-	-	-
2 (Pine Radio)	-	-	V	V	-	-
3 (Scanning Radio)	V	V	V	V	-	-
4	-	-	-	-	V	V

Note1: The above information was declared by manufacturer.

Note2: For WLAN 2.4GHz: The Radio 1 and Radio 3 can't operate at the same frequency.

For WLAN 5GHz: The Radio 1 ~ 3 can't operate at the same frequency.

For WLAN 6GHz: The Radio 2 ~ 3 can't operate at the same frequency simultaneously.

**1.1.7 Table for EUT Operation Function**

Mode	Operation Function
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth
2	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth
3	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth
4	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth
5	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth
6	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth
7	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee
8	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Zigbee
9	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Zigbee
10	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee
11	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Zigbee
12	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Zigbee

Note: The above information was declared by manufacturer.



### 1.2 Applicable Standards

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

- ◆ 47 CFR FCC Part 15.407
- ◆ ANSI C63.10-2013
- ◆ FCC KDB 789033 D02 v02r01

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

- ◆ FCC KDB 987594 D02 v01r01
- ◆ FCC KDB 662911 D03 v01
- ◆ FCC KDB 412172 D01 v01r01
- ◆ FCC KDB 414788 D01 v01r01

### 1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (For other tests)	TH03-CB	Gino Huang	22.6~24.3 / 59~63	Mar. 23, 2023~ Apr. 26, 2023
RF Conducted (For Frequency Stability test)	TH03-CB	Gino Huang	22.2~23.8 / 61~63	May 08, 2023
Radiated (For below 1GHz)	10CH01-CB	Elvin Yeh	23~24 / 56~57	Apr. 21, 2023
Radiated (For above 1GHz-cabinet and above 1GHz-frequency: 7115MHz)	03CH04-CB	Richard Pai	20.2-21.3 / 56-57	Mar. 13, 2023~ May 08, 2023
AC Conduction	CO01-CB	Summer Li	22~23 / 53~54	Apr. 21, 2023~ Apr. 24, 2023
RF Conducted (Contention-Based Protocol test-Mode1~2)	DF02-CB	Kevin Huang	22.8~23 / 58~61	Feb. 27, 2023~ Apr. 12, 2023
RF Conducted (Contention-Based Protocol test-Mode3~4)	DF02-CB	Nyle Chang	19.3~19.6 / 61~67	Feb. 21, 2023~ Feb. 23, 2023



## 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.4 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



## 2 Test Configuration of EUT

### 2.1 Test Channel Mode

<Radio 2>

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	11
6175MHz	11
6415MHz	11.5
6435MHz	12.5
6475MHz	13
6515MHz	13
6535MHz	10.5
6695MHz	9.5
6855MHz	9
6875MHz Straddle 6.525-6.875GHz	9
6895MHz	8.5
6995MHz	9
7095MHz	9.5
7115MHz	9.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	13.5
6165MHz	13.5
6405MHz	14.5
6445MHz	15
6485MHz	15.5
6525MHz Straddle 6.425-6.525GHz	15.5
6565MHz	12
6685MHz	12
6845MHz	12
6885MHz Straddle 6.525-6.875GHz	12
6925MHz	11
7005MHz	11
7085MHz	11.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	16.5
6145MHz	16.5
6385MHz	17
6465MHz	17



Mode	Power Setting
6545MHz Straddle 6.425-6.525GHz	17
6625MHz	14.5
6705MHz	15
6785MHz	14.5
6865MHz Straddle 6.525-6.875GHz	14.5
6945MHz	14
7025MHz	15
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	17
6185MHz	17
6345MHz	17
6505MHz	17
6665MHz	17
6825MHz	17
6985MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	8
6175MHz	8
6415MHz	8.5
6435MHz	8.5
6475MHz	8.5
6515MHz	9
6535MHz	6.5
6695MHz	6
6855MHz	5.5
6875MHz Straddle 6.525-6.875GHz	6
6895MHz	5
6995MHz	6
7095MHz	5.5
7115MHz	5.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5965MHz	10.5
6165MHz	10.5
6405MHz	11.5
6445MHz	11.5
6485MHz	11.5
6525MHz Straddle 6.425-6.525GHz	11.5
6565MHz	9.5
6685MHz	9.5



Mode	Power Setting
6845MHz	9
6885MHz Straddle 6.525-6.875GHz	9
6925MHz	8.5
7005MHz	9
7085MHz	9
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5985MHz	14
6145MHz	13.5
6385MHz	14.5
6465MHz	14.5
6545MHz Straddle 6.425-6.525GHz	14.5
6625MHz	12
6705MHz	12
6785MHz	12
6865MHz Straddle 6.525-6.875GHz	12.5
6945MHz	11.5
7025MHz	12
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	16.5
6185MHz	16
6345MHz	17
6505MHz	17
6665MHz	14.5
6825MHz	14.5
6985MHz	14
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	2.5
6175MHz	1.5
6415MHz	2.5
6435MHz	2.5
6475MHz	2.5
6515MHz	2.5
6535MHz	1.5
6695MHz	1
6855MHz	0.5
6875MHz Straddle 6.525-6.875GHz	1
6895MHz	0.5
6995MHz	1
7095MHz	1





Mode	Power Setting
7115MHz	0.5
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	5.5
6165MHz	5.5
6405MHz	6
6445MHz	6
6485MHz	6
6525MHz Straddle 6.425-6.525GHz	6
6565MHz	4.5
6685MHz	4.5
6845MHz	4
6885MHz Straddle 6.525-6.875GHz	4
6925MHz	4
7005MHz	4.5
7085MHz	4
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	8
6145MHz	8
6385MHz	9
6465MHz	9
6545MHz Straddle 6.425-6.525GHz	9
6625MHz	7
6705MHz	7
6785MHz	7.5
6865MHz Straddle 6.525-6.875GHz	7.5
6945MHz	7
7025MHz	7.5
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	11.5
6185MHz	11
6345MHz	12
6505MHz	12
6665MHz	10
6825MHz	10
6985MHz	9.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	8
6175MHz	8
6415MHz	8.5



Mode	Power Setting
6435MHz	8.5
6475MHz	8.5
6515MHz	9
6535MHz	6.5
6695MHz	6
6855MHz	5.5
6875MHz Straddle 6.525-6.875GHz	6
6895MHz	5
6995MHz	6
7095MHz	5.5
7115MHz	5.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	10.5
6165MHz	10.5
6405MHz	11.5
6445MHz	11.5
6485MHz	11.5
6525MHz Straddle 6.425-6.525GHz	11.5
6565MHz	9.5
6685MHz	9.5
6845MHz	9
6885MHz Straddle 6.525-6.875GHz	9
6925MHz	8.5
7005MHz	9
7085MHz	9
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5985MHz	14
6145MHz	13.5
6385MHz	14.5
6465MHz	14.5
6545MHz Straddle 6.425-6.525GHz	14.5
6625MHz	12
6705MHz	12
6785MHz	12
6865MHz Straddle 6.525-6.875GHz	12.5
6945MHz	11.5
7025MHz	12
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	16.5



Mode	Power Setting
6185MHz	16
6345MHz	17
6505MHz	17
6665MHz	14.5
6825MHz	14.5
6985MHz	14
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5955MHz	2.5
6175MHz	1.5
6415MHz	2.5
6435MHz	2.5
6475MHz	2.5
6515MHz	2.5
6535MHz	1.5
6695MHz	1
6855MHz	0.5
6875MHz Straddle 6.525-6.875GHz	1
6895MHz	0.5
6995MHz	1
7095MHz	1
7115MHz	0.5
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5965MHz	5.5
6165MHz	5.5
6405MHz	6
6445MHz	6
6485MHz	6
6525MHz Straddle 6.425-6.525GHz	6
6565MHz	4.5
6685MHz	4.5
6845MHz	4
6885MHz Straddle 6.525-6.875GHz	4
6925MHz	4
7005MHz	4.5
7085MHz	4
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5985MHz	8
6145MHz	8
6385MHz	9



Mode	Power Setting
6465MHz	9
6545MHz Straddle 6.425-6.525GHz	9
6625MHz	7
6705MHz	7
6785MHz	7.5
6865MHz Straddle 6.525-6.875GHz	7.5
6945MHz	7
7025MHz	7.5
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
6025MHz	11.5
6185MHz	11
6345MHz	12
6505MHz	12
6665MHz	10
6825MHz	10
6985MHz	9.5

**<Radio 3>**

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	11.5
6175MHz	12
6415MHz	13
6435MHz	13
6475MHz	12.5
6515MHz	12.5
6535MHz	12.5
6695MHz	12.5
6855MHz	12
6875MHz Straddle 6.525-6.875GHz	12
6895MHz	12
6995MHz	11
7095MHz	12.5
7115MHz	10.5

Note: The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.



## 2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	AC power-line conducted emissions
<b>Condition</b>	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
<b>Operating Mode</b>	Normal Link(WLAN and Bluetooth), CTX(Zigbee)
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter
2	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter
3	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter
4	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth+Adapter
5	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth+Adapter
6	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth+Adapter
7	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+Adapter
8	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Zigbee+Adapter
9	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Zigbee+Adapter
10	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+Adapter
11	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Zigbee+Adapter
12	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Zigbee+Adapter
Mode 7 has been evaluated to be the worst case among Mode 1~12, thus measurement for Mode 13~17 will follow this same test mode.	
13	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+PoE1
14	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+PoE2
15	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+PoE3
16	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+PoE4
17	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee+PoE5
For operating mode 13 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emission Bandwidth Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.) Emission MASK Frequency Stability
<b>Test Condition</b>	Conducted measurement at transmit chains
1	R2: 1T1S, 2T1S, 4T1S
2	R3: 1T1S



The Worst Case Mode for Following Conformance Tests	
Tests Item	Frequency Stability
Test Condition	Conducted measurement at transmit chains
1	R2
2	R3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	Normal Link(WLAN and Bluetooth), CTX(Zigbee)
1	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter
2	EUT in Y axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter
3	EUT in X axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth+Adapter

Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4 ~ 14 will follow this same test mode.

4	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth+Adapter
5	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth+Adapter
6	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth +Adapter
7	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth +Adapter
8	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth +Adapter
9	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee +Adapter
10	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Zigbee +Adapter
11	EUT in Z axis-R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Zigbee +Adapter
12	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee +Adapter
13	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Zigbee+Adapter
14	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Zigbee+Adapter

Mode 12 has been evaluated to be the worst case among Mode 1~14, thus measurement for Mode 15 ~ 19



will follow this same test mode.

15	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+PoE1
16	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+PoE2
17	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+PoE3
18	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+PoE4
19	EUT in Z axis-R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee+PoE5

For operating mode 12 is the worst case and it was record in this test report.

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Unwanted Emissions
<b>Test Condition</b>	Conducted measurement at transmit chains
<b>Operating Mode &gt; 1GHz</b>	CTX(Harmonic and bandedge for other frequencies)
1	R2: 1T1S, 2T1S, 4T1S
2	R3: 1T1S
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
<b>Operating Mode &gt; 1GHz</b>	CTX(Harmonic and bandedge for frequency: 7115MHz)
After evaluating, and the worst case was found as below. So the measurement will follow this same test configuration.	
1	R2: 1T1S_EUT in Y axis
2	R2: 2T1S_EUT in Y axis
3	R2: 4T1S_EUT in X axis
4	R3: 1T1S_EUT in Z axis
<b>Test Condition</b>	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
<b>Operating Mode &gt; 1GHz</b>	CTX(Cabinet)
After evaluating, and the worst case was found as below. So the measurement will follow this same test configuration.	
1	R2: 1T1S_EUT in X axis
2	R2: 2T1S_EUT in X axis
3	R2: 4T1S_EUT in X axis
4	R3: 1T1S_EUT in Y axis



<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Contention Based Protocol
<b>Test Condition</b>	Conducted measurement at transmit chains
1	Radio 2 for Cisco FW
2	Radio 3 for Cisco FW
3	Radio 2 for Meraki FW
4	Radio 3 for Meraki FW

<b>The Worst Case Mode for Following Conformance Tests</b>	
<b>Tests Item</b>	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
<b>Operating Mode</b>	
1	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Bluetooth
2	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Bluetooth
3	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Bluetooth
4	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Bluetooth
5	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Bluetooth
6	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Bluetooth
7	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 2.4GHz+R4: Zigbee
8	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 5GHz+R4: Zigbee
9	R1: 2.4GHz/5GHz Low Band+R2: 5GHz High band+R3: 6GHz+R4: Zigbee
10	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 2.4GHz+R4: Zigbee
11	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 5GHz+R4: Zigbee
12	R1: 2.4GHz/5GHz Full Band+R2: 6GHz+R3: 6GHz+R4: Zigbee
Refer to Sporton Test Report No.: FA313002 for Co-location RF Exposure Evaluation.	

Note: The Adapter and PoEs are for measurement only, would not be marketed.

Adapter and PoEs information as below:

<b>Power</b>	<b>Brand</b>	<b>Model</b>
Adapter	UMEC	MA-PWR-50WAC
PoE 1	PHIHONG	POEA33U-1ATE (MA-INJ-4)
PoE 2	PHIHONG	POE60U-1BT-X (MA-INJ-6)
PoE 3	Delta	ADH-65AR B (AIR-PWRINJ7)
PoE 4	Microchip	PD-9001GR/AT/AC (AIR-PWRINJ6)
PoE 5	PHIHONG	POE29U-1AT (AIR-PWRINJ6)





### 2.3 EUT Operation during Test

For CTX Mode:  
The EUT was programmed to be in continuously transmitting mode.

For Normal Link Mode:  
During the test, the EUT operation to normal function.

### 2.4 Accessories

Wall-mounted rack\*1

### 2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE IN LAN PC	DELL	T3400	N/A
B	6G Client	CISCO	CM66D	N/A
C	6G NB	DELL	PP13S	N/A
D	5G NB	DELL	PP13S	N/A
E	2.4G NB	DELL	PP13S	N/A
F	Flash disk3.0	TDK	TF30	N/A
G	PoE 1	PHIHONG	POEA33U-1ATE (MA-INJ-4)	N/A



**For Radiated (below 1GHz):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	LAN PC	DELL	T3400	N/A
B	6G Client	CISCO	CM66D	N/A
C	6G NB	DELL	PP13S	N/A
D	2.4G NB	DELL	PP13S	N/A
E	5G NB	DELL	PP13S	N/A
F	Flash disk3.0	TDK	TF30	N/A
G	Adapter	UMEC	MA-PWR-50WAC	N/A

**For Radiated (above 1GHz)-Cabinet, frequency: 7115MHz and RF Conducted-For other tests:**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE 5	PHIHONG	POE29U-1AT (AIR-PWRINJ6)	N/A

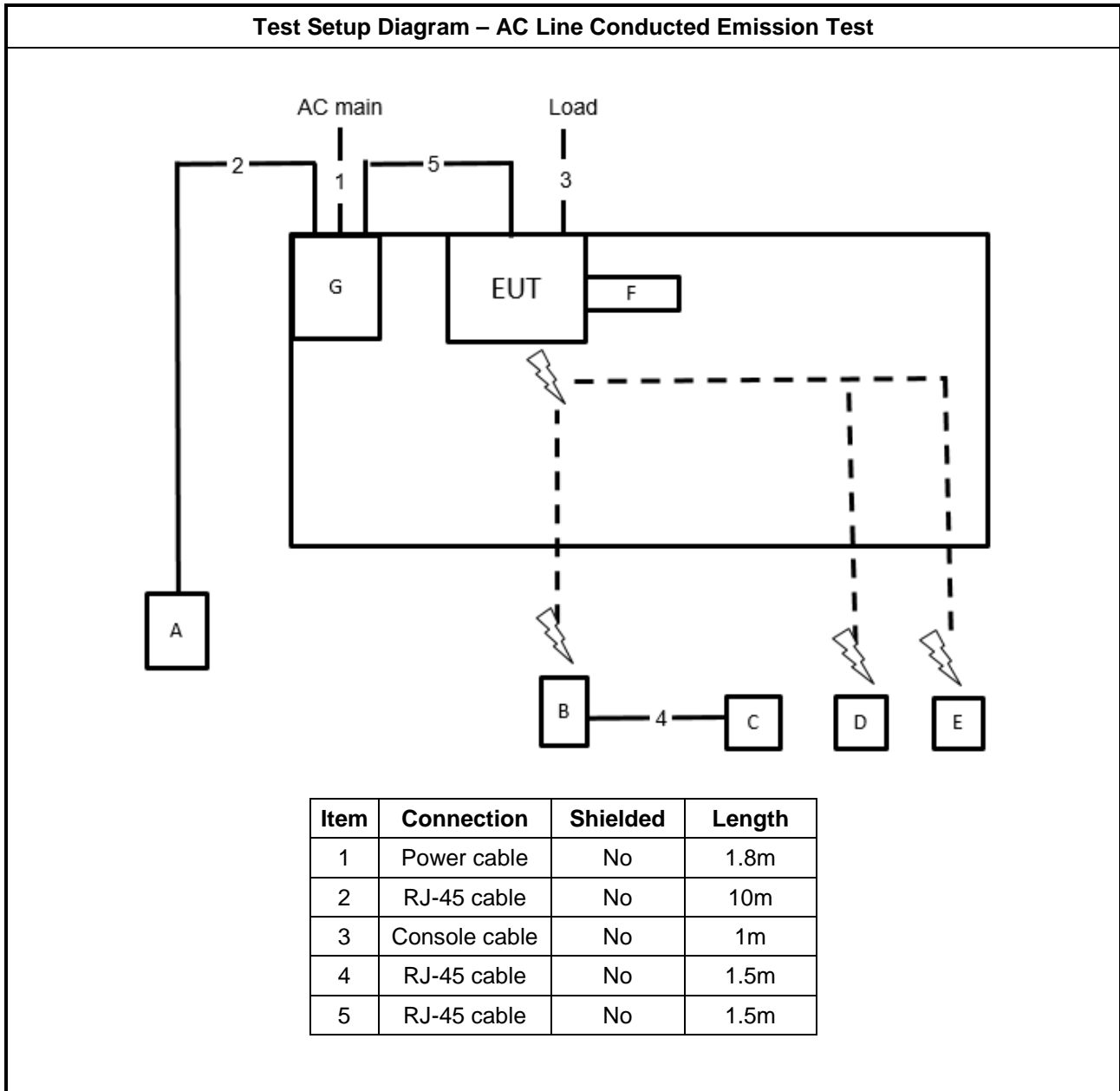
**For RF Conducted (Contention Based Protocol test-Mode 1~Mode 2):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E6230	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG
D	PoE 1	PHIHONG	POEA33U-1ATE (MA-INJ-4)	N/A

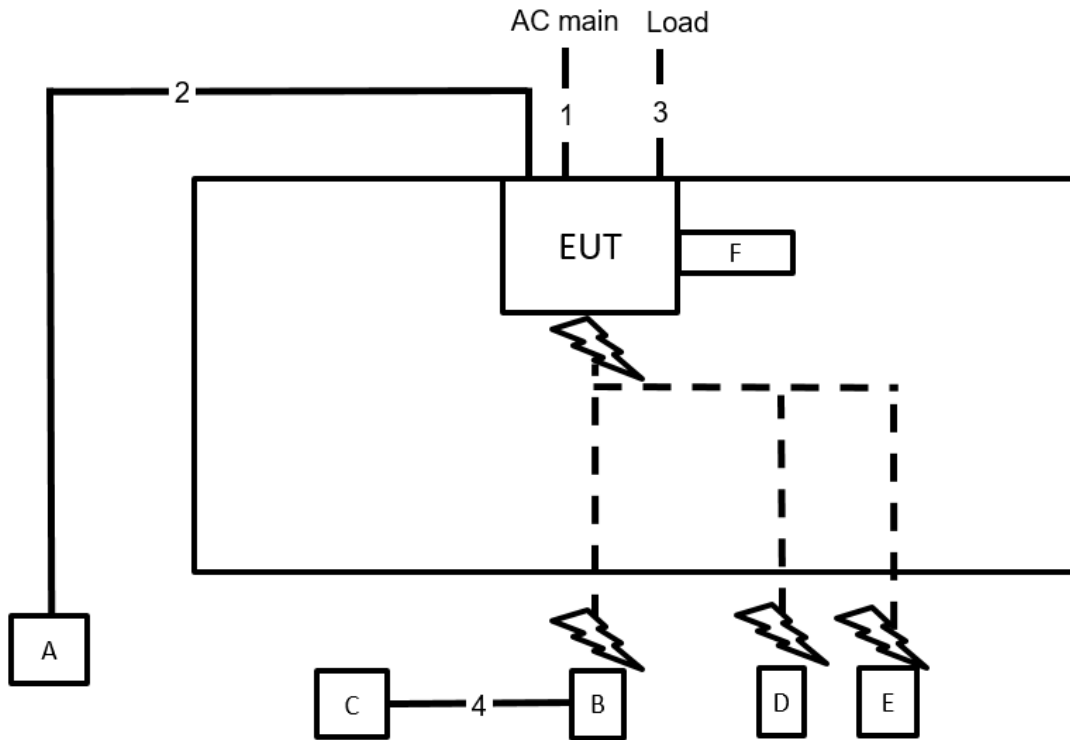
**For RF Conducted (Contention Based Protocol test-Mode 3~Mode 4):**

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	NB	DELL	E6230	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG
D	PoE 5	PHIHONG	POE29U-1AT (AIR-PWRINJ6)	N/A

## 2.6 Test Setup Diagram

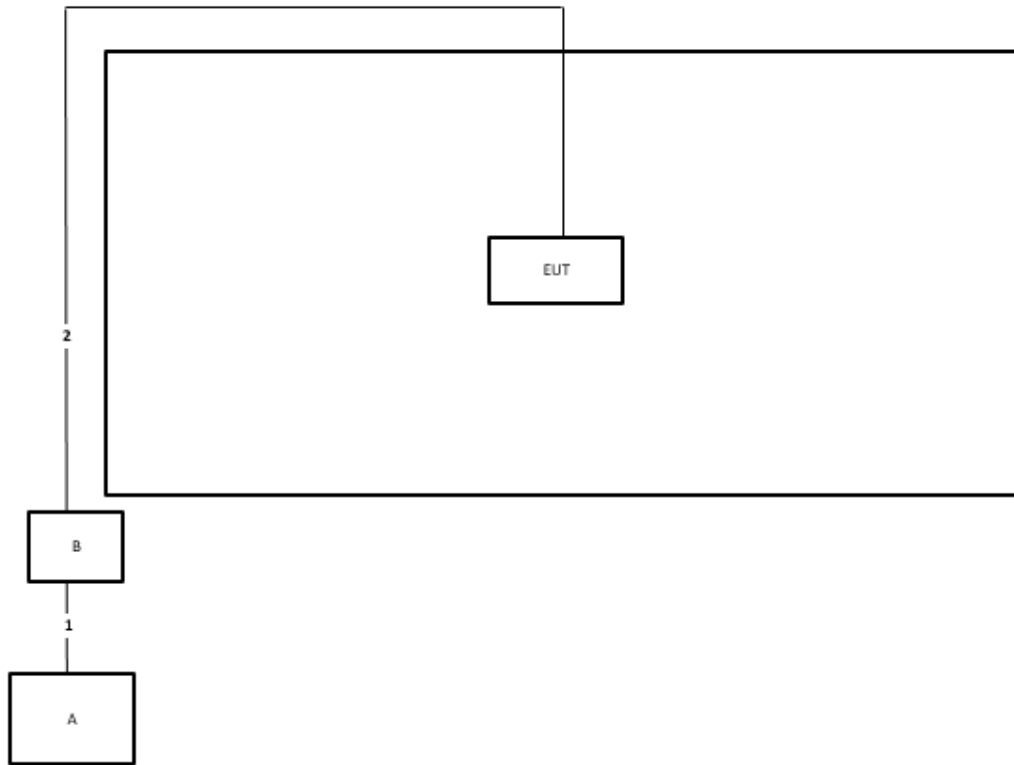


**Test Setup Diagram - Radiated Test < 1GHz**



Item	Connection	Shielded	Length
1	Power cable	No	3.6m
2	RJ-45 cable	No	10m
3	Console cable	No	1m
4	RJ-45 cable	No	1.5m

**Test Setup Diagram - Radiated Test > 1GHz for Cabinet and frequency: 7115MHz**



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



### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

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

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

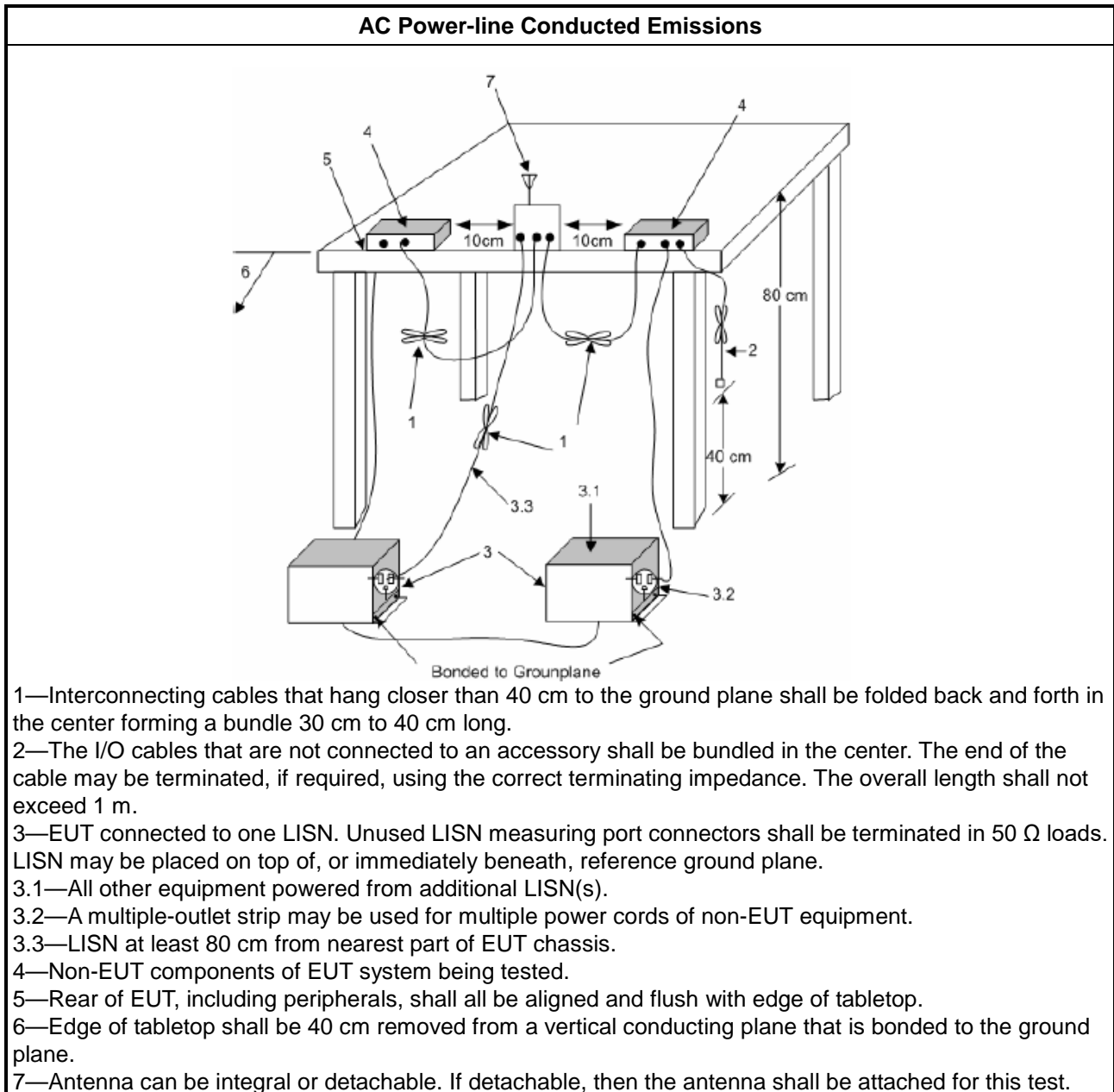
##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

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

### 3.1.4 Test Setup



### 3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- a. Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

### 3.2 Emission Bandwidth

#### 3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5925-6425 GHz band, N/A
<input checked="" type="checkbox"/>	For the 6425-6525 GHz band, N/A
<input checked="" type="checkbox"/>	For the 6525-6875 GHz band, N/A
<input checked="" type="checkbox"/>	For the 6875-7125 GHz band, N/A
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5925-6425 GHz band, N/A
<input type="checkbox"/>	For the 6425-6525 GHz band, N/A
<input type="checkbox"/>	For the 6525-6875 GHz band, N/A
<input type="checkbox"/>	For the 6875-7125 GHz band, N/A

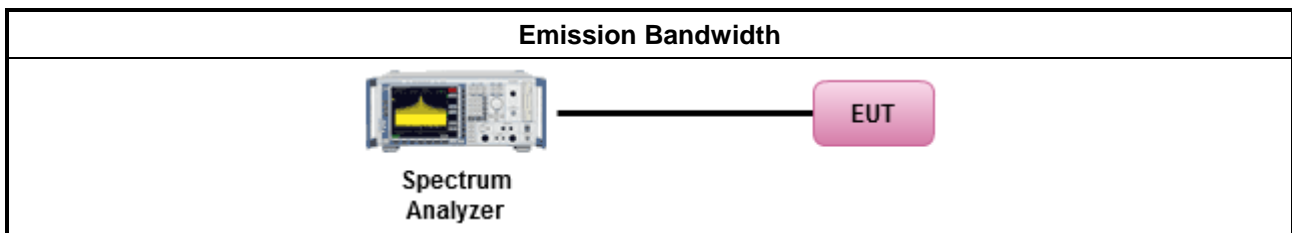
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>	
<input checked="" type="checkbox"/>	According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B





### 3.3 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)

#### 3.3.1 Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit

Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard power access point and fixed client device : e.i.r.p &lt; 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).</li> <li>▪ For indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For subordinate device control of an indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of a standard power access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of an indoor access point : e.i.r.p &lt; 24 dBm.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of an indoor access point : e.i.r.p &lt; 24 dBm.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard power access point and fixed client device : e.i.r.p &lt; 36 dBm , For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).</li> <li>▪ For indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For subordinate device control of an indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of a standard power access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of an indoor access point : e.i.r.p &lt; 24 dBm.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For indoor access point : e.i.r.p &lt; 30 dBm.</li> <li>▪ For client device control of an indoor access point : e.i.r.p &lt; 24 dBm.</li> </ul>
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For low-power indoor access-points &amp; indoor subordinate devices &lt; 30 dBm .</li> <li>▪ For low-power client devices &lt; 24 dBm.</li> </ul>
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard-power access points &amp; fixed client devices &lt; 36 dBm.</li> <li>▪ For standard client devices &lt; 30 dBm.</li> </ul>

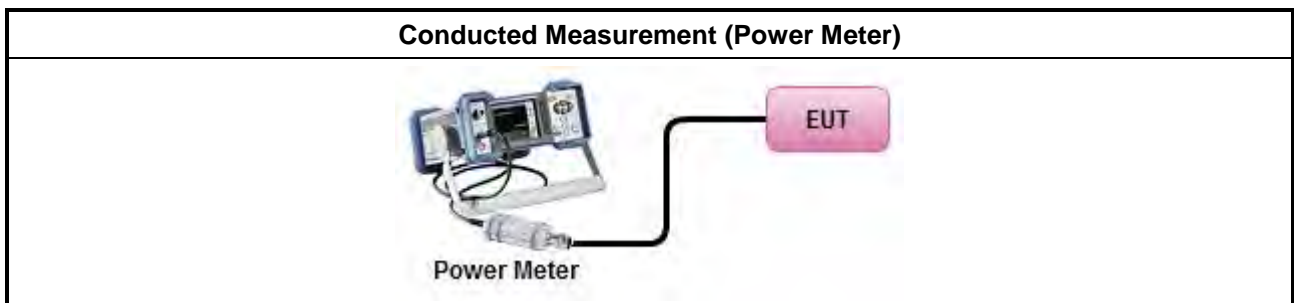
### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.</li> </ul>	
Average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
<input checked="" type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP calculation could be following as methods:  <math display="block">P_{total} = P_1 + P_2 + \dots + P_n</math>                     (calculated in linear unit [mW] and transfer to log unit [dBm])  <math display="block">EIRP_{total} = P_{total} + DG</math> </li> </ul>	
<input type="checkbox"/> For radiated measurement.	
<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"</li> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> <li>▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.</li> </ul>	

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Equivalent Isotropically Radiated Power (E.I.R.P)

Refer as Appendix C



### 3.4 Peak Power Spectral Density (E.I.R.P.)

#### 3.4.1 Peak Power Spectral Density (E.I.R.P.) Limit

Peak Power Spectral Density (E.I.R.P.) Limit	
<b>UNII Devices</b>	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard power access point and fixed client device : e.i.r.p PSD &lt; 23 dBm/MHz.</li> <li>▪ For indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For subordinate device control of an indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For client device control of a standard power access point : e.i.r.p PSD &lt; 17 dBm/MHz.</li> <li>▪ For client device control of an indoor access point : e.i.r.p PSD &lt; -1 dBm/MHz.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For client device control of an indoor access point : e.i.r.p PSD &lt; -1 dBm/MHz.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard power access point and fixed client device : e.i.r.p PSD &lt; 23 dBm/MHz.</li> <li>▪ For indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For subordinate device control of an indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For client device control of a standard power access point : e.i.r.p PSD &lt; 17 dBm/MHz.</li> <li>▪ For client device control of an indoor access point : e.i.r.p PSD &lt; -1 dBm/MHz.</li> </ul>
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For indoor access point : e.i.r.p PSD &lt; 5 dBm/MHz.</li> <li>▪ For client device control of an indoor access point : e.i.r.p PSD &lt; -1 dBm/MHz.</li> </ul>
<b>RLAN Devices</b>	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For low-power indoor access-points &amp; indoor subordinate devices &lt; 5 dBm / MHz.</li> <li>▪ For low-power client devices &lt; -1 dBm / MHz.</li> </ul>
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> <li>▪ For standard-power access points &amp; fixed client devices &lt; 23 dBm / MHz.</li> <li>▪ For standard client devices &lt; 17 dBm / MHz.</li> </ul>

#### 3.4.2 Measuring Instruments

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

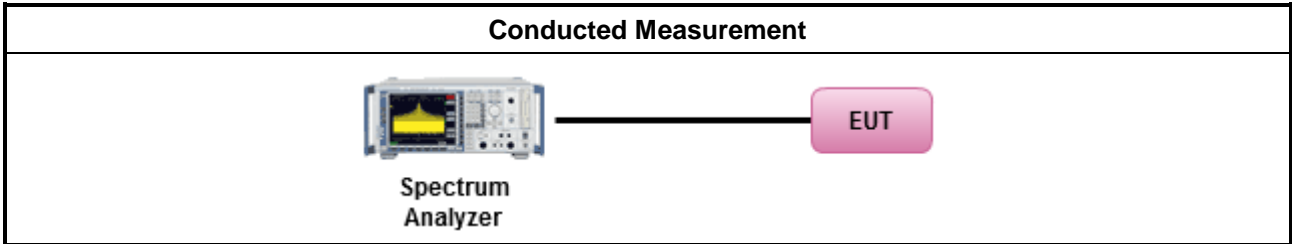


**3.4.3 Test Procedures**

<b>Test Method</b>	
	<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:</li> </ul>
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input checked="" type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> <li>▪ If the EUT supports multiple transmit chains using options given below:</li> </ul>
<input checked="" type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
	<ul style="list-style-type: none"> <li>▪ If multiple transmit chains, EIRP PPSD calculation could be following as methods:  <math>PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n</math>                      (calculated in linear unit [mW] and transfer to log unit [dBm])  <math>EIRP_{total} = PPSD_{total} + DG</math></li> </ul>

<input type="checkbox"/>	For radiated measurement.
	▪ Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

**3.4.4 Test Setup**



**3.4.5 Test Result of Peak Power Spectral Density (E.I.R.P.)**

Refer as Appendix D



### 3.5 Unwanted Emissions

#### 3.5.1 Transmitter Unwanted Emissions Limit

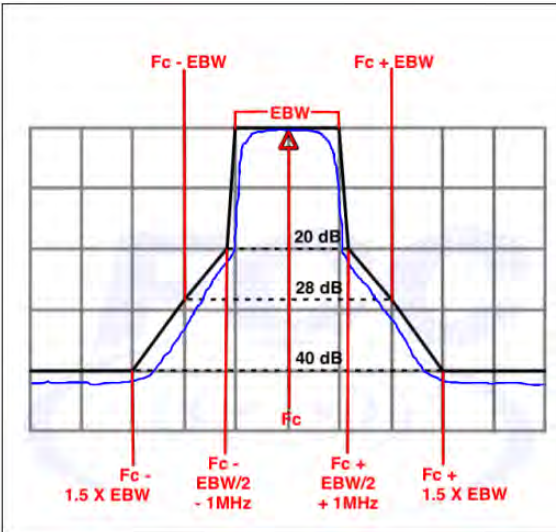
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3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

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ).  
 EX. Above 18GHz emission limit calculation (3m to 1m) =  $54\text{dBuV/m at } 3\text{m} + 9.54\text{dB} = 63.54\text{ dBuV/m at } 1\text{m}$ .

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m] Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m( $20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$ ). EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at } 3\text{m} + 9.54\text{dB} = 77.74\text{ dBuV/m at } 1\text{m}$ . Note 2:-27 dBm EIRP OOB is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Frequency	Emission MASK Limit
5.945 – 7.125 GHz	<p>Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.</p> 



**3.5.2 Measuring Instruments**

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

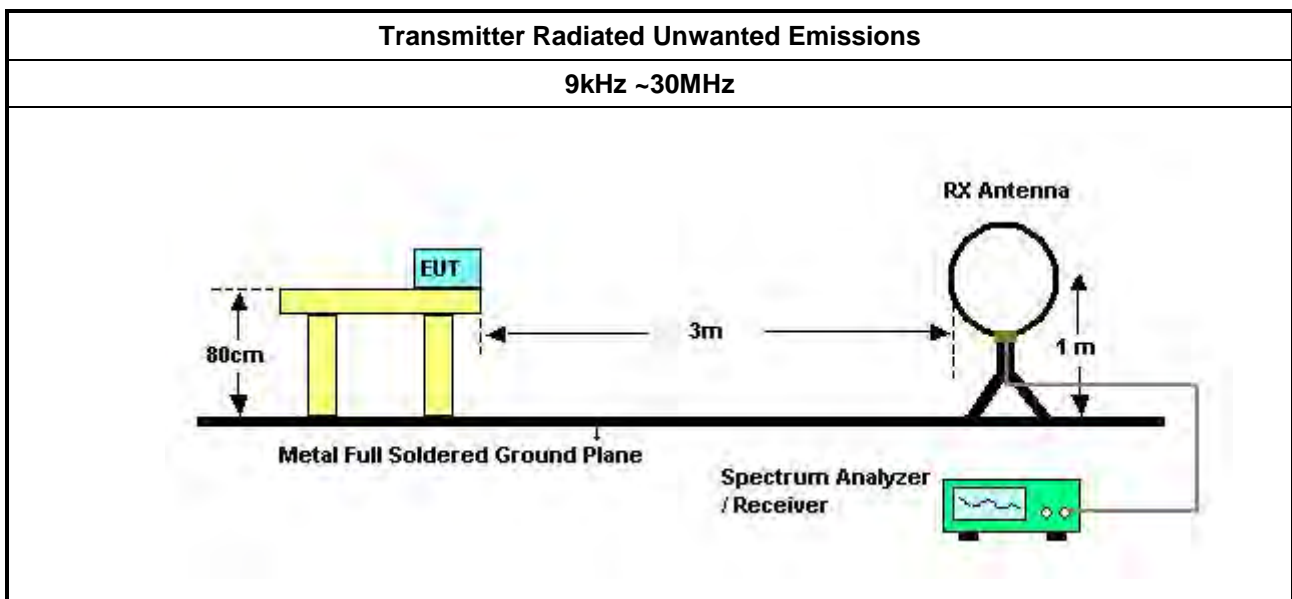
**3.5.3 Test Procedures**

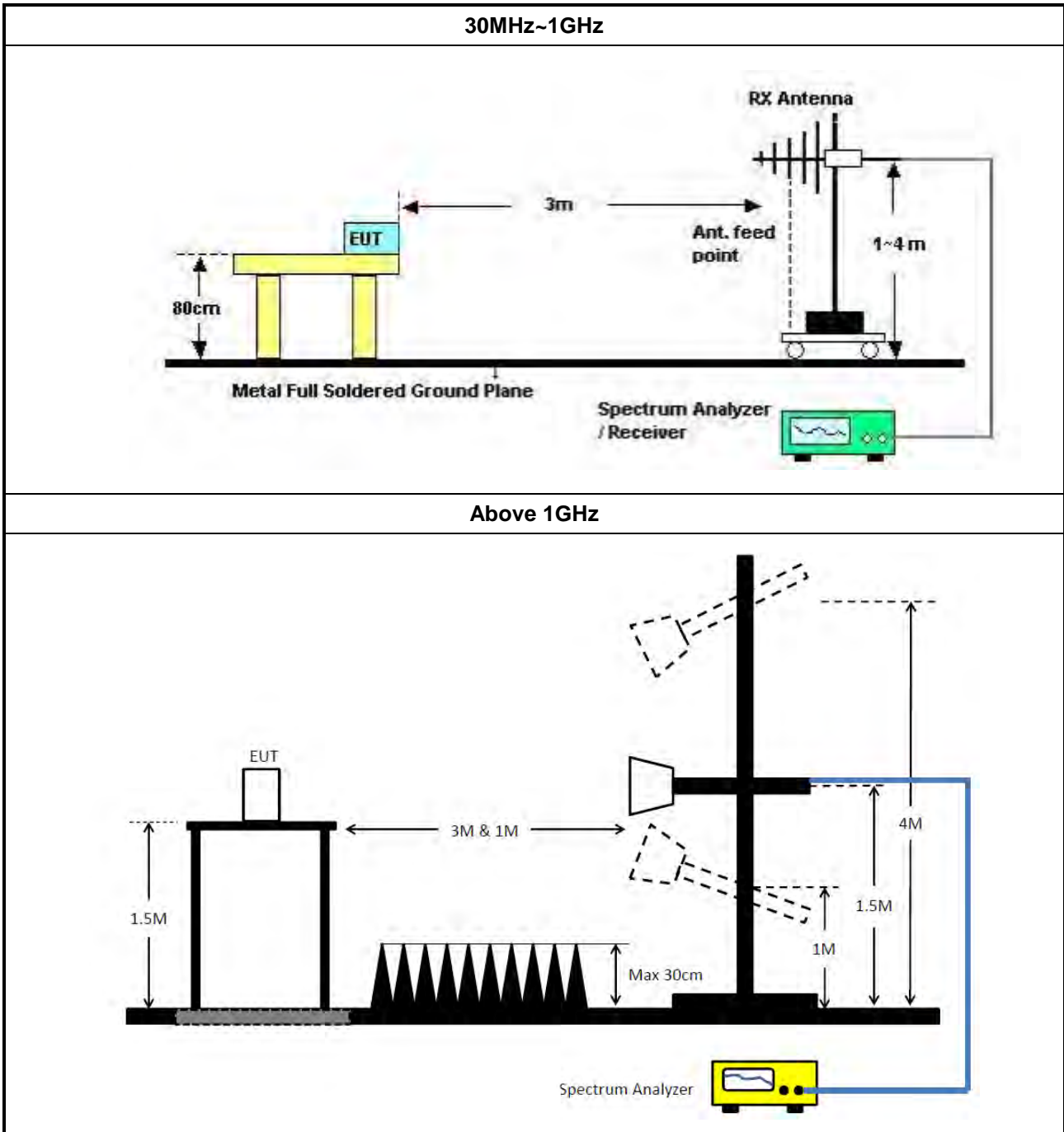
<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).</li> </ul>	
<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.</li> </ul>
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.( For restricted band average measurement)
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<ul style="list-style-type: none"> <li>▪ Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ For emission MASK shall be measured using following options below:</li> </ul>	
	<input checked="" type="checkbox"/> Refer as FCC KDB 987594 D02, J) In-Band Emissions
<ul style="list-style-type: none"> <li>▪ For radiated measurement.</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.</li> </ul>
<ul style="list-style-type: none"> <li>▪ The any unwanted emissions level shall not exceed the fundamental emission level.</li> </ul>	
<ul style="list-style-type: none"> <li>▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.</li> </ul>	

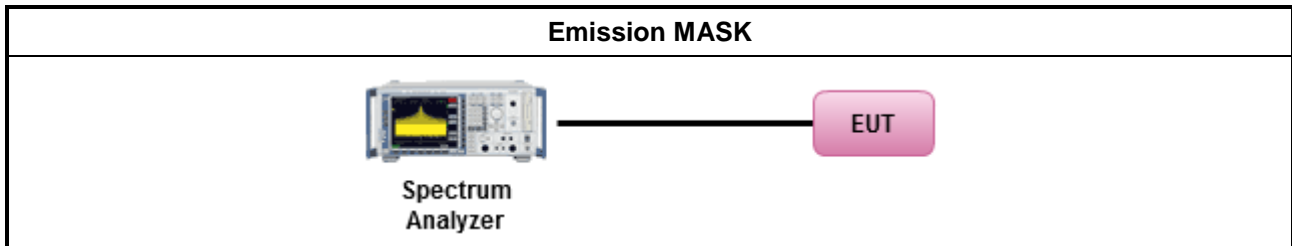
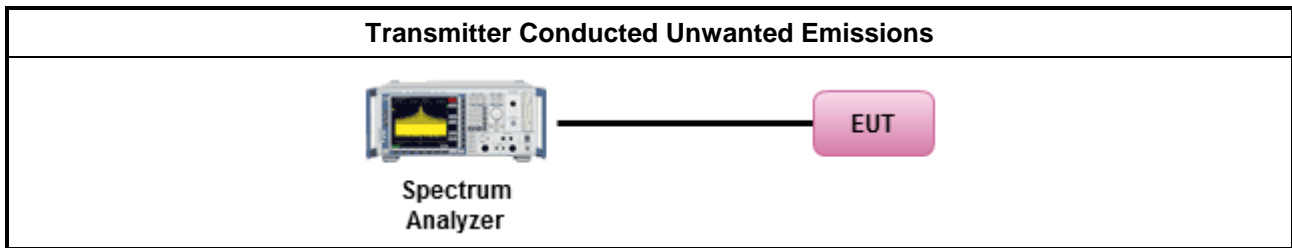


<b>Test Method</b>	
<ul style="list-style-type: none"> <li>▪ For conducted and cabinet radiation measurement, refer as FCC KDB 789033 D02, clause G)3).</li> </ul>	
	<ul style="list-style-type: none"> <li>▪ For conducted unwanted emissions into non-restricted bands (relative emission limits). Devices with multiple transmit chains: Refer as FCC KDB 662911, when testing out-of-band and spurious emissions against relative emission limits, tests may be performed on each output individually without summing or adding 10 log(N) if the measurements are made relative to the in-band emissions on the individual outputs.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.</li> </ul>

### 3.5.4 Test Setup







### 3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

### 3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

### 3.6 Contention Based Protocol

#### 3.6.1 Contention Based Protocol Limit

EUT can detect an AWGN signal with 90% (or better) level of certainty.

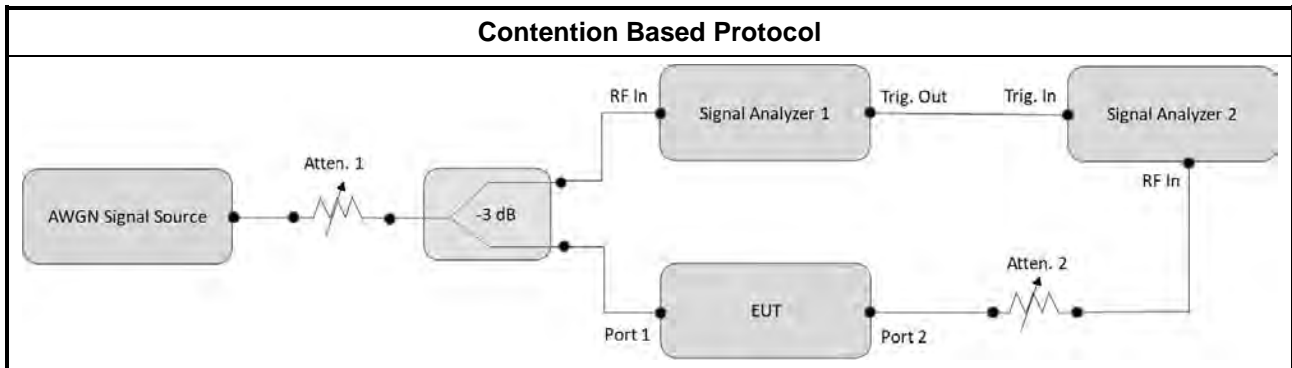
#### 3.6.2 Measuring Instruments

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

#### 3.6.3 Test Procedures

Test Method	
<input type="checkbox"/>	For Contention Based Protocol shall be measured using following options below:
<input checked="" type="checkbox"/>	Refer as FCC KDB 987594 D02, I) Contention Based Protocol.

#### 3.6.4 Test Setup



#### 3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

### 3.7 Frequency Stability

#### 3.7.1 Frequency Stability Limit

Frequency Stability Limit	
▪	In-band emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

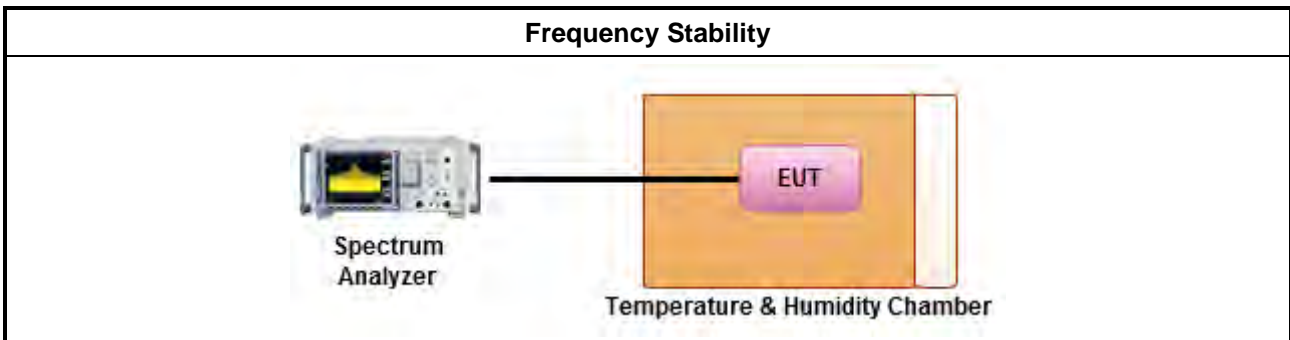
#### 3.7.2 Measuring Instruments

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

#### 3.7.3 Test Procedures

Test Method	
▪	Refer as ANSI C63.10, clause 6.8 for frequency stability tests
▪	Frequency stability with respect to ambient temperature
▪	Frequency stability when varying supply voltage
▪	Extreme temperature is -30°C~50°C.

#### 3.7.4 Test Setup



#### 3.7.5 Test Result of Frequency Stability

Refer as Appendix G



## 4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 18, 2023	Jan. 17, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 10, 2023	Mar. 09, 2024	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
EMI Test Receiver	Rohde & Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 11, 2022	Jul. 10, 2023	Radiation (10CH01-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jun. 25, 2022	Jun. 24, 2023	Radiation (10CH01-CB)
Amplifier	EM	EM101	060703	10MHz ~ 1GHz	Oct. 19, 2022	Oct. 18, 2023	Radiation (10CH01-CB)
Low Cable	TITAN	T318E	low cable-03	30MHz ~ 1GHz	Oct. 18, 2022	Oct. 17, 2023	Radiation (10CH01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (10CH01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (10CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~18GHz	Oct. 12, 2022	Oct. 11, 2023	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 28, 2022	Mar. 27, 2023	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2022	Sep. 03, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Oct. 28, 2022	Oct. 27, 2023	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 29, 2022	Dec. 28, 2023	Conducted (DF02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal generator	R&S	SMB100A	181239	1MHz-40GHz	Dec. 30, 2022	Dec. 29, 2023	Conducted (DF02-CB)
Vector Signal Generator	R&S	SMM100A	101894	100KHz ~ 7.5GHz	Nov. 02, 2022	Nov. 01, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -05	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -06	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -07	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -08	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-60	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-61	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-62	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-63	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-66	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
100MS/s Digitizer	N.I	USB-5133	01BFB476	N/A	Apr. 17, 2022	Apr. 16, 2023	Conducted (DF02-CB)

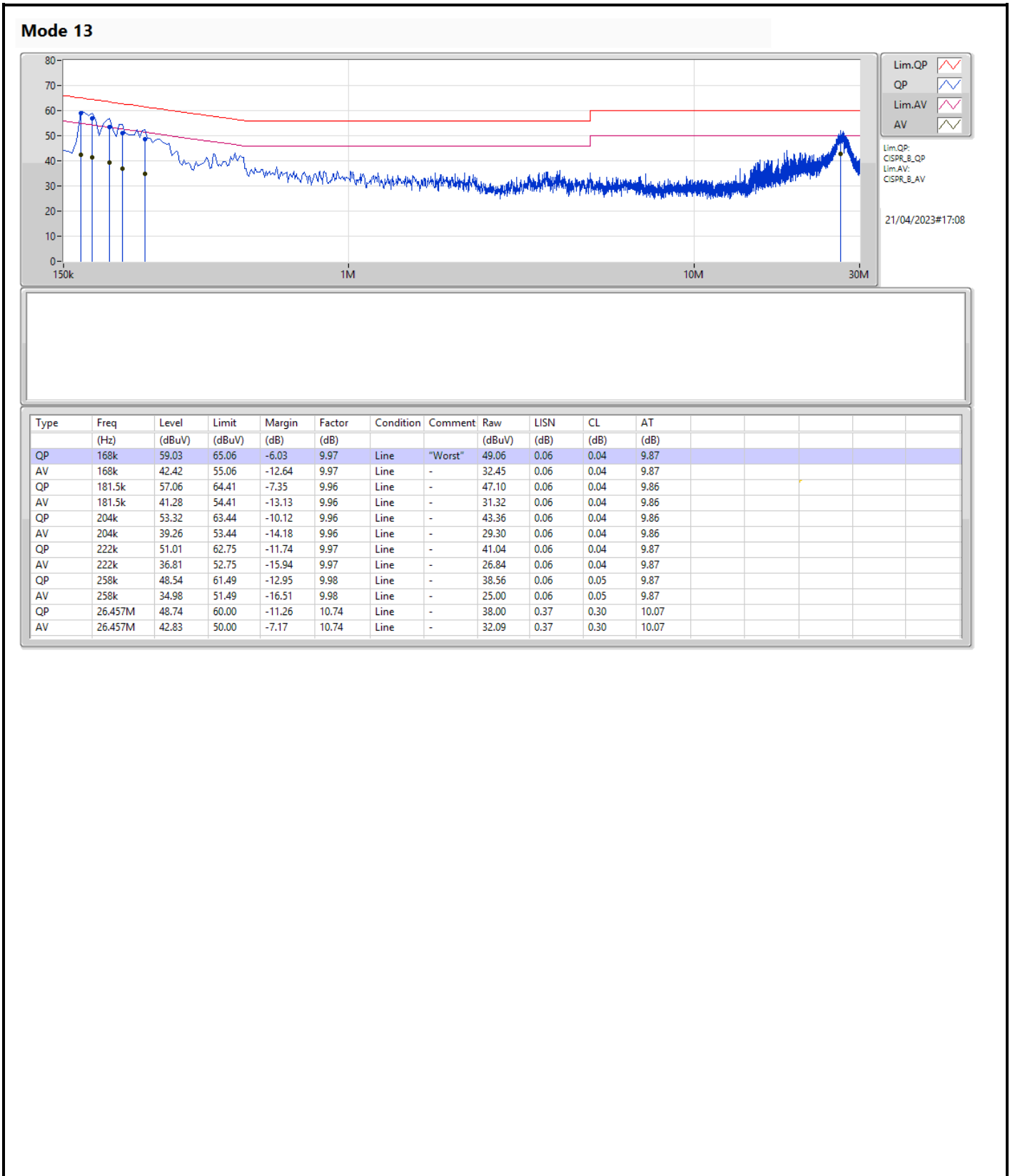
Note: Calibration Interval of instruments listed above is one year.  
NCR means Non-Calibration required.



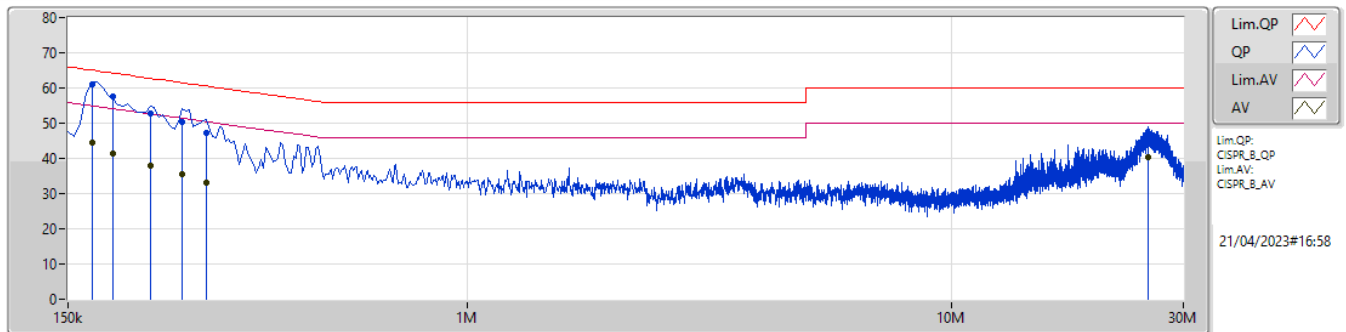


**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 13	Pass	QP	168k	60.92	65.06	-4.14	Neutral



## Mode 13



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	168k	60.92	65.06	-4.14	9.98	Neutral	"Worst"	50.94	0.07	0.04	9.87
AV	168k	44.32	55.06	-10.74	9.98	Neutral	-	34.34	0.07	0.04	9.87
QP	186k	57.49	64.20	-6.71	9.97	Neutral	-	47.52	0.07	0.04	9.86
AV	186k	41.21	54.20	-12.99	9.97	Neutral	-	31.24	0.07	0.04	9.86
QP	222k	52.93	62.75	-9.82	9.98	Neutral	-	42.95	0.07	0.04	9.87
AV	222k	37.82	52.75	-14.93	9.98	Neutral	-	27.84	0.07	0.04	9.87
QP	258k	50.27	61.49	-11.22	9.99	Neutral	-	40.28	0.07	0.05	9.87
AV	258k	35.45	51.49	-16.04	9.99	Neutral	-	25.46	0.07	0.05	9.87
QP	289.5k	47.13	60.53	-13.40	10.00	Neutral	-	37.13	0.07	0.05	9.88
AV	289.5k	33.23	50.53	-17.30	10.00	Neutral	-	23.23	0.07	0.05	9.88
QP	25.427M	46.12	60.00	-13.88	10.65	Neutral	-	35.47	0.31	0.29	10.05
AV	25.427M	40.27	50.00	-9.73	10.65	Neutral	-	29.62	0.31	0.29	10.05



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.12M	18.891M	18M9D1D	20.57M	18.866M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.23M	18.891M	18M9D1D	20.845M	18.866M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.12M	18.891M	18M9D1D	20.625M	18.866M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.15M	37.681M	37M7D1D	40.04M	37.631M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.59M	37.681M	37M7D1D	40.15M	37.631M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.59M	37.781M	37M8D1D	40.15M	37.631M
802.11ax HEW80_Nss1,(MCS0)_1TX	85.58M	77.361M	77M4D1D	82.28M	77.161M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.5M	77.161M	77M2D1D	81.84M	77.061M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.72M	77.261M	77M3D1D	81.62M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	168.96M	155.122M	155MD1D	165M	154.723M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.56M	155.122M	155MD1D	163.68M	154.323M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.44M	155.322M	155MD1D	164.12M	154.123M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.845M	18.866M	18M9D1D	20.79M	18.841M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.175M	18.916M	18M9D1D	20.735M	18.866M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.175M	18.916M	18M9D1D	20.79M	18.866M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.48M	37.731M	37M7D1D	39.71M	37.631M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.26M	37.731M	37M7D1D	40.15M	37.631M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.7M	37.731M	37M7D1D	40.15M	37.601M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.72M	77.181M	77M2D1D	82.28M	77.161M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.5M	77.181M	77M2D1D	81.62M	77.061M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.5M	77.401M	77M4D1D	81.84M	76.962M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.12M	154.723M	155MD1D	164.12M	154.723M
802.11ax HEW160_Nss1,(MCS0)_2TX	165.44M	154.923M	155MD1D	164.56M	154.723M
802.11ax HEW160_Nss1,(MCS0)_4TX	165M	154.923M	155MD1D	164.12M	154.723M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.01M	18.911M	18M9D1D	20.625M	18.866M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.065M	18.891M	18M9D1D	20.79M	18.841M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.175M	18.966M	19MOD1D	20.68M	18.841M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.48M	37.711M	37M7D1D	40.04M	37.631M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.48M	37.711M	37M7D1D	40.15M	37.601M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.59M	37.731M	37M7D1D	40.15M	37.601M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.28M	77.181M	77M2D1D	82.06M	76.962M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.72M	77.181M	77M2D1D	81.62M	77.061M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.72M	77.181M	77M2D1D	81.84M	76.962M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.56M	155.122M	155MD1D	164.56M	155.122M
802.11ax HEW160_Nss1,(MCS0)_2TX	165M	155.322M	155MD1D	163.68M	154.523M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.44M	155.122M	155MD1D	163.68M	154.323M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.01M	18.866M	18M9D1D	20.68M	18.866M
802.11ax HEW20_Nss1,(MCS0)_2TX	21.01M	18.891M	18M9D1D	20.735M	18.866M
802.11ax HEW20_Nss1,(MCS0)_4TX	21.34M	18.891M	18M9D1D	20.57M	18.841M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.48M	37.681M	37M7D1D	40.37M	37.631M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.59M	37.681M	37M7D1D	40.15M	37.631M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.59M	37.731M	37M7D1D	40.15M	37.581M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.94M	77.061M	77M1D1D	82.28M	77.061M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.28M	77.161M	77M2D1D	81.84M	76.962M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.72M	77.161M	77M2D1D	81.84M	76.862M
802.11ax HEW160_Nss1,(MCS0)_1TX	168.08M	154.923M	155MD1D	168.08M	154.923M
802.11ax HEW160_Nss1,(MCS0)_2TX	165.44M	154.523M	155MD1D	164.56M	154.323M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.56M	154.723M	155MD1D	164.12M	154.323M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.12M	18.866M						
6175MHz	Pass	Inf	20.68M	18.891M						
6415MHz	Pass	Inf	20.57M	18.866M						
6435MHz	Pass	Inf	20.845M	18.866M						
6475MHz	Pass	Inf	20.79M	18.841M						
6515MHz	Pass	Inf	20.79M	18.866M						
6535MHz	Pass	Inf	21.01M	18.866M						
6695MHz	Pass	Inf	20.845M	18.891M						
6855MHz	Pass	Inf	20.625M	18.891M						
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.735M	18.911M						
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	Inf	20.9M	18.866M						
6995MHz	Pass	Inf	21.01M	18.866M						
7095MHz	Pass	Inf	20.68M	18.866M						
7115MHz	Pass	Inf	20.955M	18.866M						
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.15M	37.631M						
6165MHz	Pass	Inf	40.15M	37.681M						
6405MHz	Pass	Inf	40.04M	37.631M						
6445MHz	Pass	Inf	40.37M	37.631M						
6485MHz	Pass	Inf	40.48M	37.731M						
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	39.71M	37.711M						
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	Inf	40.48M	37.631M						
6685MHz	Pass	Inf	40.04M	37.631M						
6845MHz	Pass	Inf	40.48M	37.631M						
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.26M	37.711M						
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	Inf	40.37M	37.631M						
7005MHz	Pass	Inf	40.48M	37.681M						
7085MHz	Pass	Inf	40.37M	37.631M						
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	85.58M	77.361M						
6145MHz	Pass	Inf	82.28M	77.261M						
6385MHz	Pass	Inf	83.16M	77.161M						
6465MHz	Pass	Inf	82.72M	77.161M						
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.28M	77.181M						
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	Inf	82.06M	76.962M						
6705MHz	Pass	Inf	82.28M	77.061M						
6785MHz	Pass	Inf	82.06M	77.061M						
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.06M	77.181M						
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	Inf	82.94M	77.061M						
7025MHz	Pass	Inf	82.28M	77.061M						
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	168.96M	154.723M						
6185MHz	Pass	Inf	165M	155.122M						
6345MHz	Pass	Inf	165.44M	154.923M						
6505MHz	Pass	Inf	164.12M	154.723M						
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	Inf	164.56M	155.122M						
6825MHz	Pass	Inf	164.56M	155.122M						
6825MHz Straddle 6.875-7.125GHz										



**EBW\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix B.1**

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)
6985MHz	Pass	Inf	168.08M	154.923M						
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	20.955M	18.866M	20.9M	18.866M				
6175MHz	Pass	Inf	20.9M	18.866M	21.23M	18.866M				
6415MHz	Pass	Inf	20.845M	18.866M	21.175M	18.891M				
6435MHz	Pass	Inf	20.9M	18.891M	20.9M	18.891M				
6475MHz	Pass	Inf	20.845M	18.866M	20.9M	18.891M				
6515MHz	Pass	Inf	20.735M	18.891M	21.175M	18.916M				
6535MHz	Pass	Inf	20.955M	18.866M	20.9M	18.866M				
6695MHz	Pass	Inf	20.79M	18.841M	20.79M	18.891M				
6855MHz	Pass	Inf	20.9M	18.866M	20.955M	18.891M				
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.845M	18.856M	21.065M	18.856M				
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	Inf	20.735M	18.866M	20.9M	18.866M				
6995MHz	Pass	Inf	21.01M	18.866M	20.735M	18.866M				
7095MHz	Pass	Inf	20.79M	18.866M	20.955M	18.866M				
7115MHz	Pass	Inf	20.845M	18.891M	20.955M	18.866M				
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.15M	37.631M	40.26M	37.681M				
6165MHz	Pass	Inf	40.59M	37.631M	40.48M	37.681M				
6405MHz	Pass	Inf	40.26M	37.681M	40.26M	37.681M				
6445MHz	Pass	Inf	40.15M	37.681M	40.26M	37.681M				
6485MHz	Pass	Inf	40.26M	37.631M	40.15M	37.731M				
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.15M	37.711M	40.26M	37.711M				
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	Inf	40.26M	37.631M	40.26M	37.681M				
6685MHz	Pass	Inf	40.37M	37.631M	40.26M	37.681M				
6845MHz	Pass	Inf	40.37M	37.681M	40.48M	37.681M				
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.15M	37.601M	40.26M	37.711M				
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	Inf	40.26M	37.681M	40.26M	37.681M				
7005MHz	Pass	Inf	40.15M	37.631M	40.26M	37.631M				
7085MHz	Pass	Inf	40.59M	37.681M	40.26M	37.681M				
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	82.5M	77.061M	82.28M	77.061M				
6145MHz	Pass	Inf	81.84M	77.161M	82.28M	77.161M				
6385MHz	Pass	Inf	82.5M	77.061M	82.06M	77.161M				
6465MHz	Pass	Inf	82.5M	77.061M	81.62M	77.161M				
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.5M	77.181M	82.28M	77.181M				
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	Inf	82.28M	77.061M	82.28M	77.061M				
6705MHz	Pass	Inf	82.72M	77.061M	82.5M	77.061M				
6785MHz	Pass	Inf	81.84M	77.061M	82.28M	77.161M				
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.06M	77.181M	81.62M	77.181M				
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	Inf	82.28M	76.962M	82.06M	77.161M				
7025MHz	Pass	Inf	82.06M	77.061M	81.84M	77.161M				
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	164.12M	154.723M	163.68M	154.323M				
6185MHz	Pass	Inf	164.56M	154.323M	164.56M	154.923M				
6345MHz	Pass	Inf	164.56M	155.122M	164.56M	155.122M				
6505MHz	Pass	Inf	164.56M	154.923M	165.44M	154.723M				
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	Inf	165M	155.122M	164.56M	155.322M				
6825MHz	Pass	Inf	164.56M	154.523M	163.68M	154.723M				
6825MHz Straddle 6.875-7.125GHz										



**EBW\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix B.1**

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)
6985MHz	Pass	Inf	165.44M	154.523M	164.56M	154.323M				
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.01M	18.866M	21.01M	18.866M	20.845M	18.866M	21.065M	18.866M
6175MHz	Pass	Inf	20.625M	18.866M	21.12M	18.891M	20.845M	18.866M	20.735M	18.891M
6415MHz	Pass	Inf	20.955M	18.891M	21.01M	18.891M	20.845M	18.891M	21.01M	18.891M
6435MHz	Pass	Inf	20.955M	18.891M	20.9M	18.891M	20.845M	18.891M	20.955M	18.891M
6475MHz	Pass	Inf	21.01M	18.891M	21.175M	18.891M	21.065M	18.891M	20.845M	18.916M
6515MHz	Pass	Inf	20.845M	18.866M	21.065M	18.891M	20.79M	18.866M	21.175M	18.891M
6535MHz	Pass	Inf	20.79M	18.866M	21.12M	18.916M	20.9M	18.866M	20.9M	18.866M
6695MHz	Pass	Inf	20.9M	18.866M	21.065M	18.891M	21.065M	18.841M	20.79M	18.891M
6855MHz	Pass	Inf	20.79M	18.866M	21.12M	18.866M	20.68M	18.866M	20.845M	18.891M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.845M	18.911M	20.79M	18.966M	20.79M	18.911M	21.175M	18.911M
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	Inf	20.845M	18.891M	20.845M	18.891M	21.12M	18.891M	21.23M	18.891M
6995MHz	Pass	Inf	20.845M	18.866M	20.57M	18.866M	20.9M	18.841M	20.9M	18.891M
7095MHz	Pass	Inf	21.01M	18.866M	20.955M	18.866M	21.34M	18.891M	20.9M	18.866M
7115MHz	Pass	Inf	20.9M	18.866M	21.12M	18.891M	20.955M	18.841M	20.9M	18.866M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.59M	37.631M	40.37M	37.631M	40.59M	37.681M	40.37M	37.631M
6165MHz	Pass	Inf	40.48M	37.681M	40.26M	37.781M	40.48M	37.681M	40.26M	37.631M
6405MHz	Pass	Inf	40.26M	37.681M	40.15M	37.631M	40.59M	37.631M	40.26M	37.631M
6445MHz	Pass	Inf	40.15M	37.631M	40.59M	37.631M	40.15M	37.681M	40.26M	37.731M
6485MHz	Pass	Inf	40.7M	37.631M	40.26M	37.731M	40.26M	37.681M	40.7M	37.631M
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.37M	37.601M	40.37M	37.711M	40.15M	37.711M	40.15M	37.711M
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	Inf	40.59M	37.681M	40.37M	37.631M	40.48M	37.731M	40.26M	37.631M
6685MHz	Pass	Inf	40.15M	37.681M	40.15M	37.631M	40.15M	37.631M	40.37M	37.681M
6845MHz	Pass	Inf	40.48M	37.631M	40.26M	37.631M	40.26M	37.681M	40.26M	37.631M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.37M	37.711M	40.48M	37.601M	40.48M	37.711M	40.59M	37.711M
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	Inf	40.59M	37.581M	40.37M	37.631M	40.26M	37.631M	40.48M	37.681M
7005MHz	Pass	Inf	40.59M	37.631M	40.37M	37.731M	40.37M	37.681M	40.26M	37.681M
7085MHz	Pass	Inf	40.26M	37.631M	40.59M	37.681M	40.15M	37.731M	40.15M	37.631M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.84M	77.061M	82.06M	77.061M	81.84M	77.061M	82.06M	77.061M
6145MHz	Pass	Inf	82.72M	77.161M	82.06M	77.061M	82.06M	77.061M	82.5M	77.161M
6385MHz	Pass	Inf	82.72M	77.061M	82.28M	77.161M	81.62M	77.161M	82.28M	77.261M
6465MHz	Pass	Inf	82.5M	77.161M	82.5M	77.061M	82.06M	77.161M	81.84M	77.161M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	82.28M	76.962M	82.28M	77.181M	82.06M	77.181M	82.5M	77.401M
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	Inf	82.5M	76.962M	81.84M	77.061M	82.06M	77.161M	82.06M	77.061M
6705MHz	Pass	Inf	82.28M	77.061M	82.06M	77.161M	82.72M	77.061M	82.06M	77.061M
6785MHz	Pass	Inf	82.06M	76.962M	82.06M	76.962M	82.28M	77.061M	82.06M	77.061M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	82.06M	76.962M	82.28M	76.962M	82.5M	77.181M	82.72M	77.181M
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	Inf	82.28M	77.061M	82.72M	76.962M	82.72M	77.161M	82.06M	77.061M
7025MHz	Pass	Inf	82.72M	76.862M	81.84M	77.061M	82.28M	77.061M	82.06M	77.061M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	164.12M	154.723M	165M	154.123M	164.12M	154.323M	165.44M	154.323M
6185MHz	Pass	Inf	164.12M	154.923M	164.56M	154.723M	164.56M	154.923M	164.12M	154.923M
6345MHz	Pass	Inf	164.56M	155.322M	165M	154.923M	164.12M	154.923M	165M	155.322M
6505MHz	Pass	Inf	165M	154.923M	164.56M	154.923M	165M	154.923M	164.12M	154.723M
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	Inf	165M	155.122M	165M	154.523M	165.44M	154.923M	164.56M	154.723M
6825MHz	Pass	Inf	164.12M	154.723M	163.68M	154.323M	164.56M	154.923M	163.68M	154.723M
6825MHz Straddle 6.875-7.125GHz										



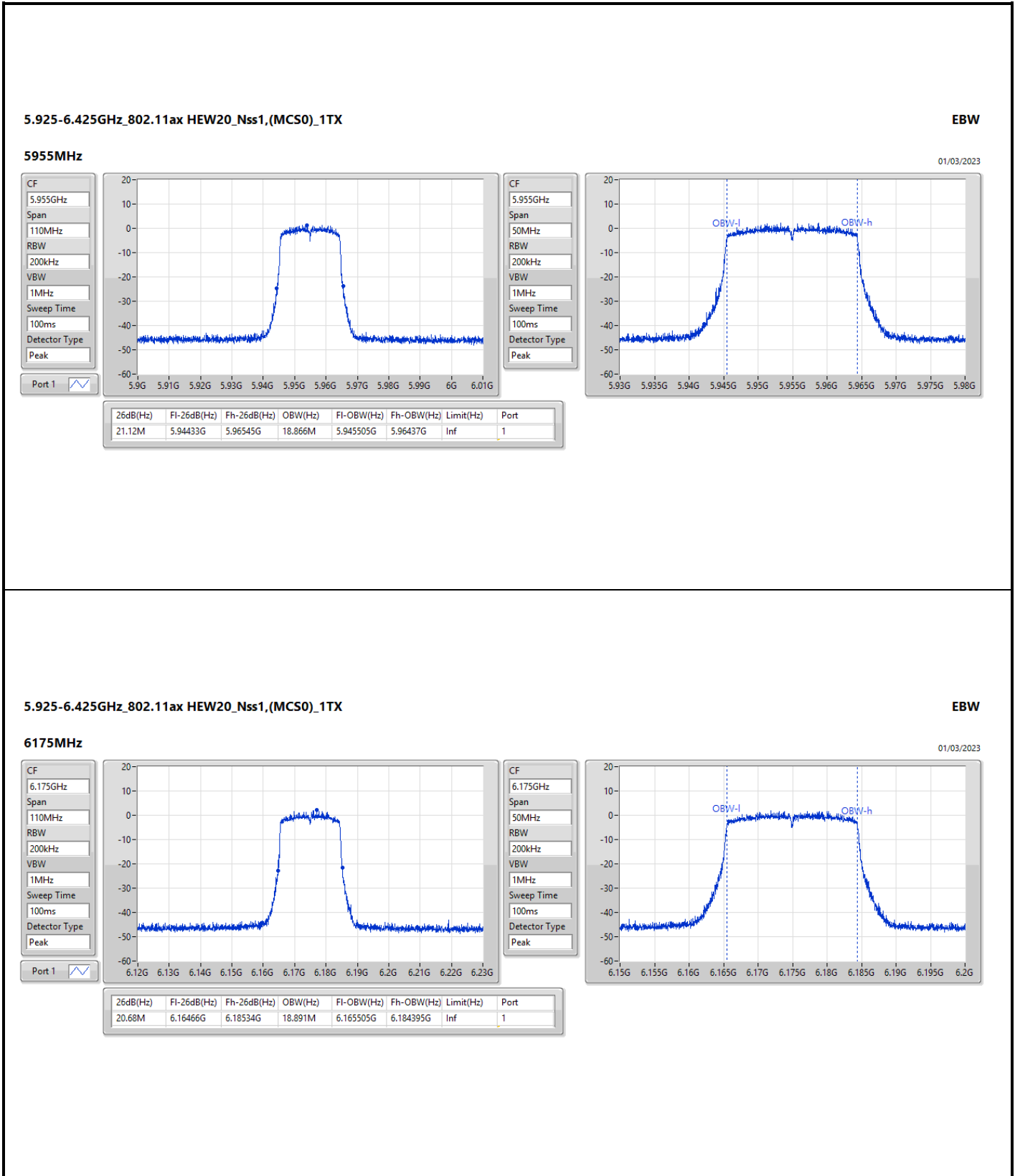
# EBW\_Radio 2-1T1S, 2T1S, 4T1S

# Appendix B.1

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)
6985MHz	Pass	Inf	164.12M	154.323M	164.56M	154.723M	164.56M	154.523M	164.56M	154.523M

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



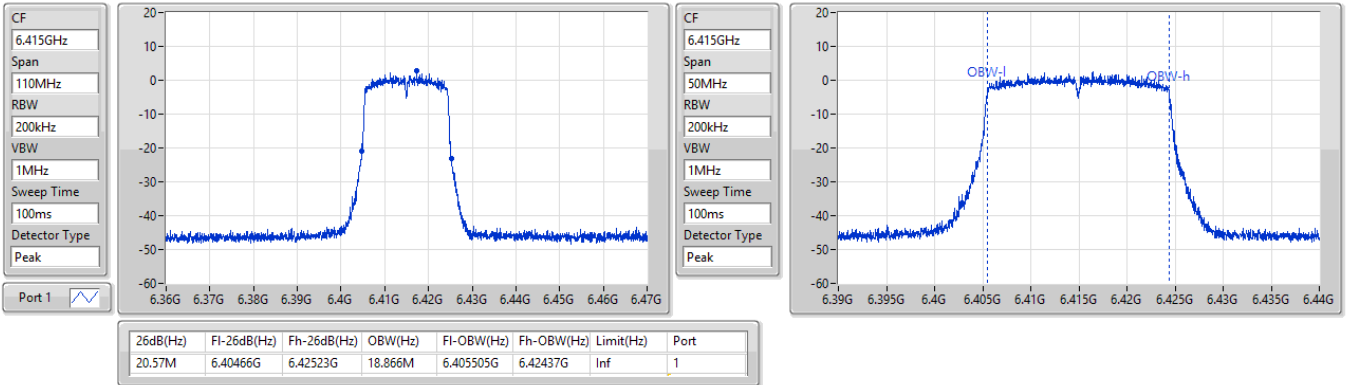


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6415MHz

01/03/2023

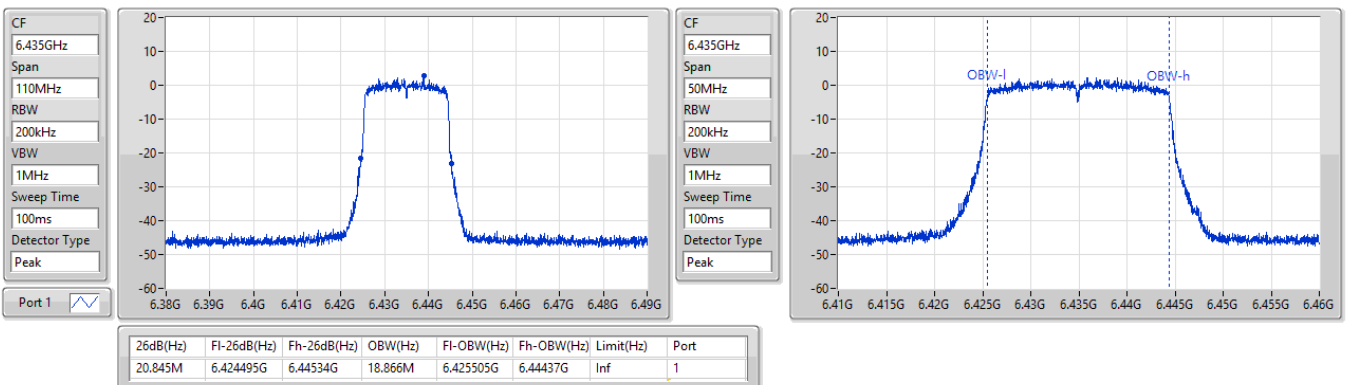


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6435MHz

01/03/2023

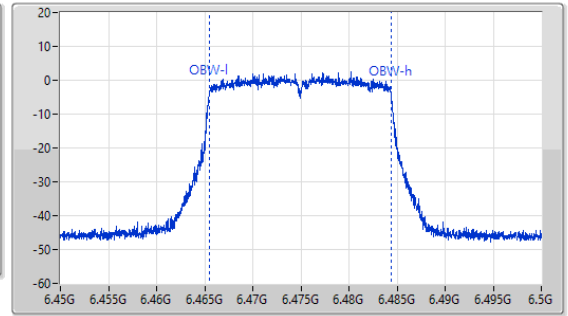
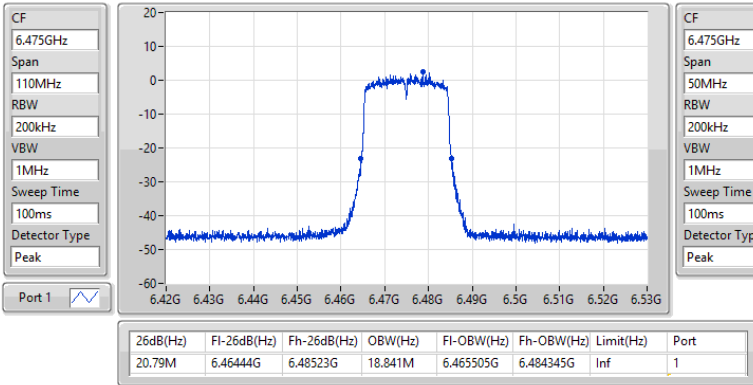


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6475MHz

01/03/2023

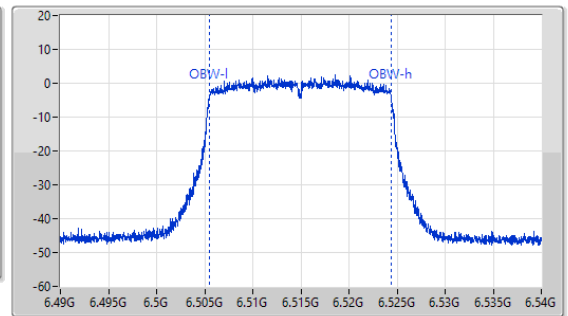
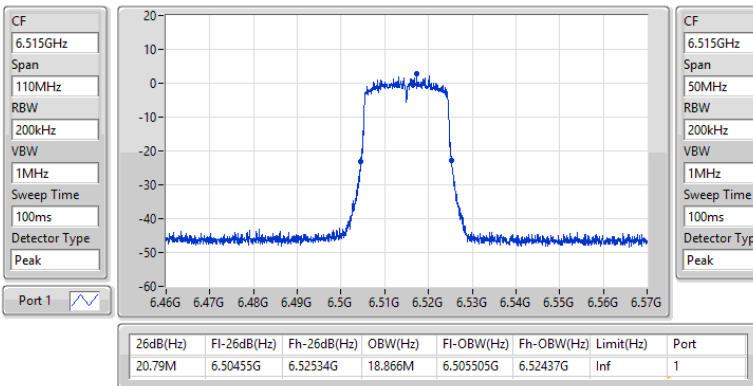


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6515MHz

01/03/2023

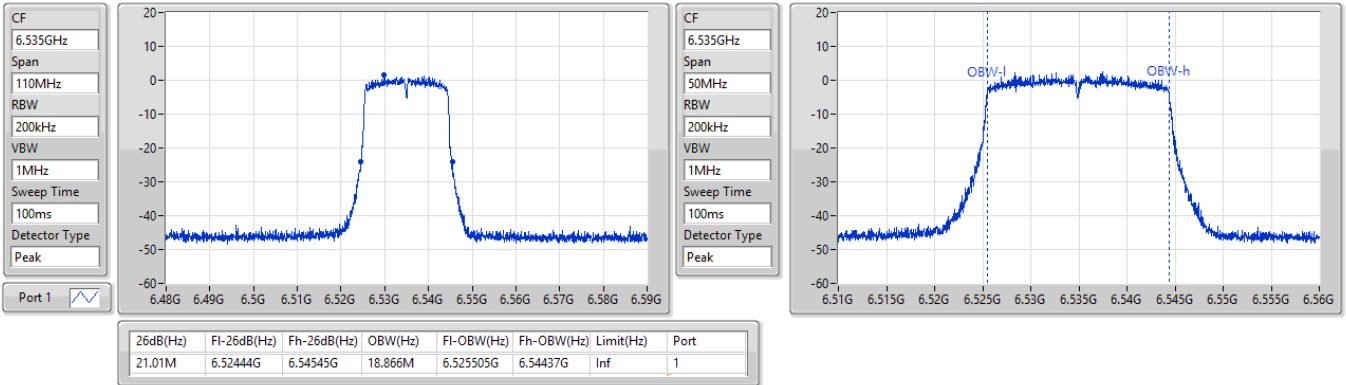


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6535MHz

01/03/2023

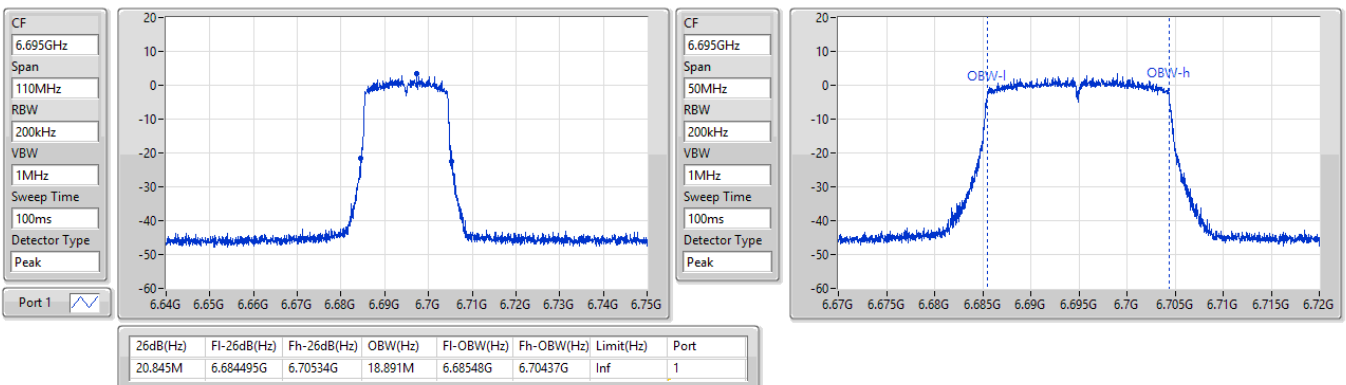


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6695MHz

01/03/2023

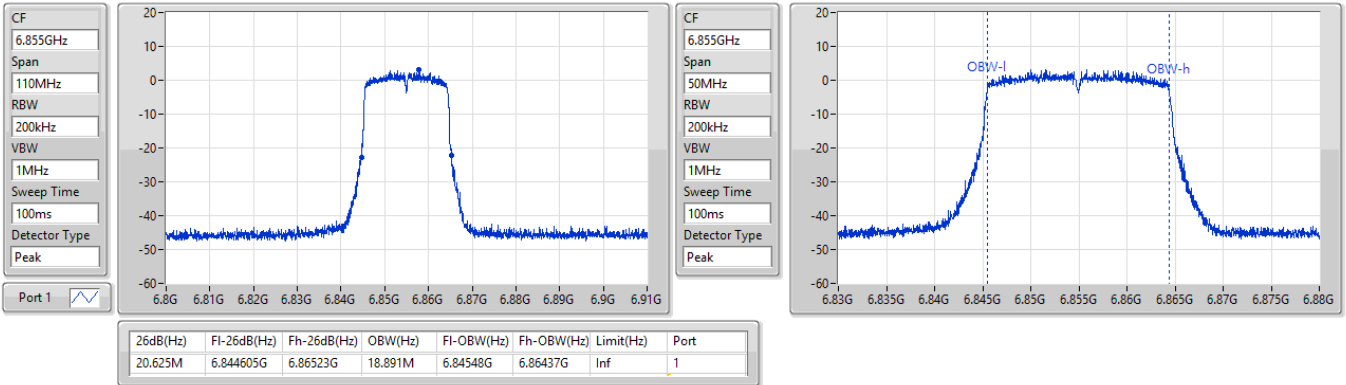


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6855MHz

01/03/2023

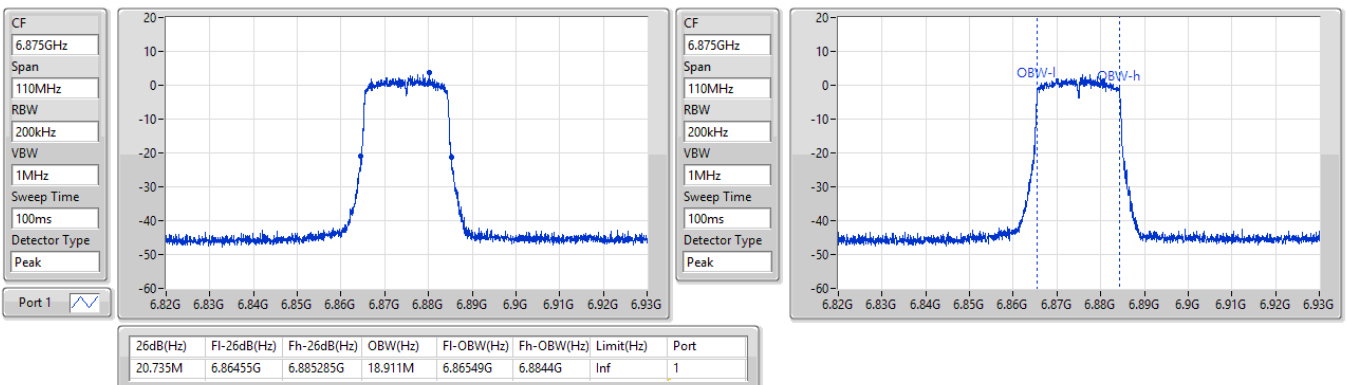


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6875MHz Straddle 6.525-6.875GHz

01/03/2023

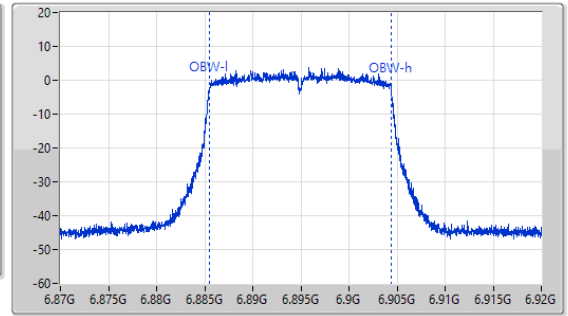
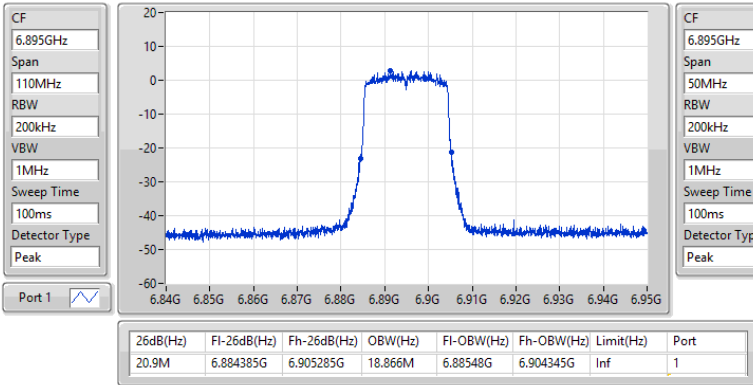


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6895MHz

01/03/2023

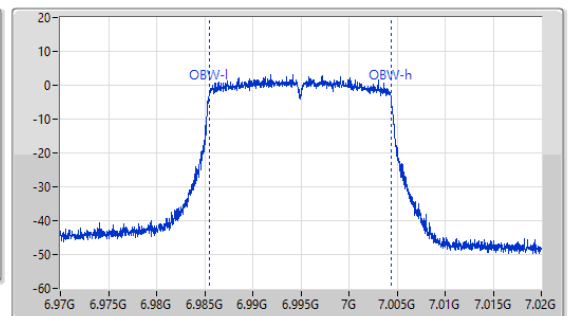
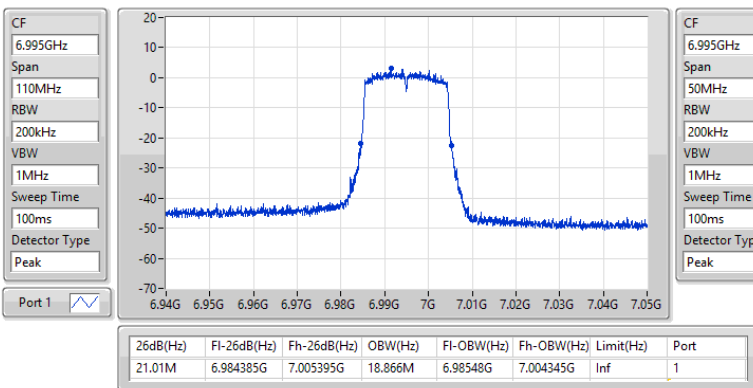


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6995MHz

01/03/2023

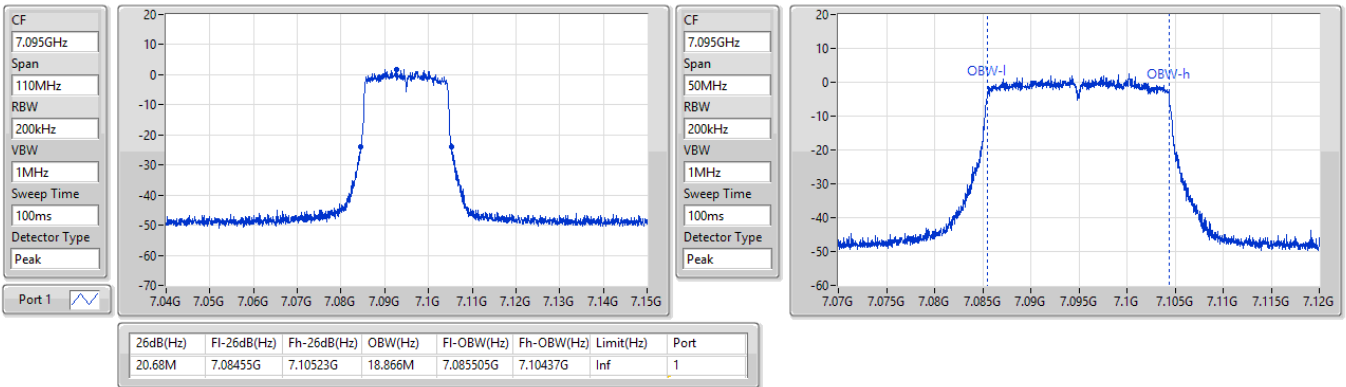


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

7095MHz

01/03/2023

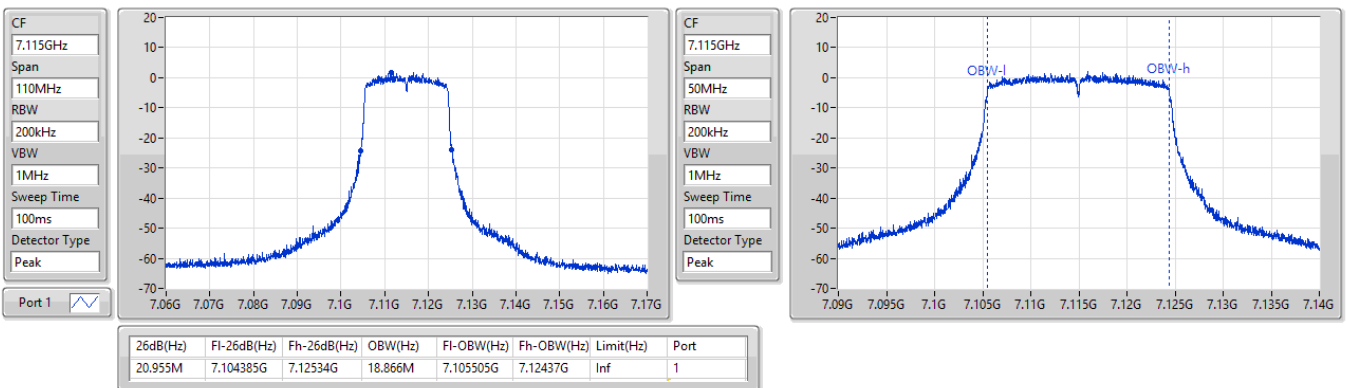


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

7115MHz

06/04/2023



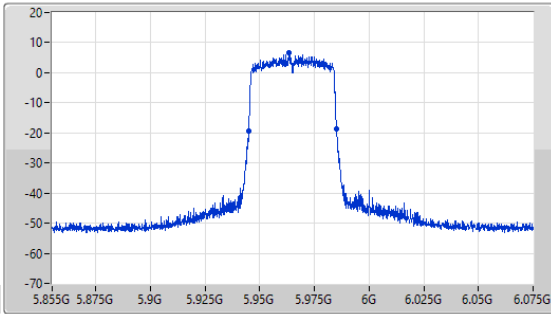
5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

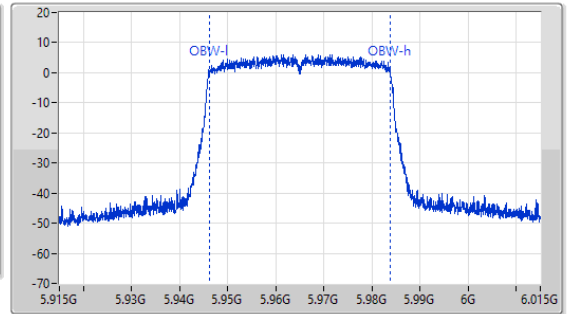
5965MHz

04/03/2023

CF  
5.965GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.965GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.94487G	5.98502G	37.631M	5.946159G	5.983791G	Inf	1

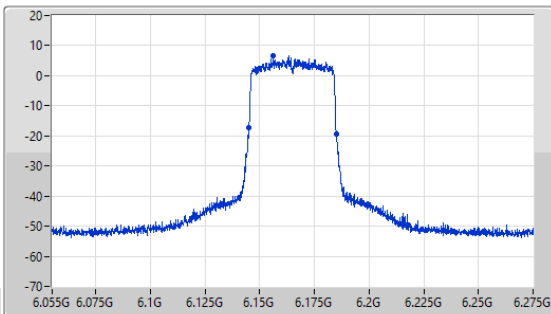
5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

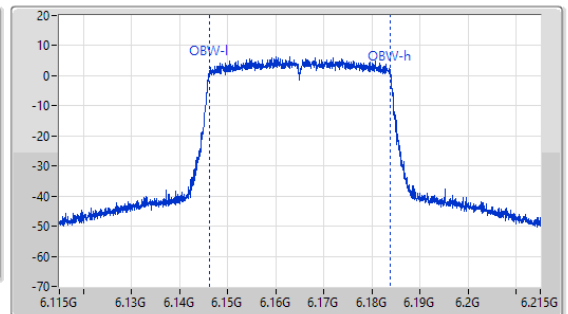
6165MHz

04/03/2023

CF  
6.165GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.165GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	6.14498G	6.18513G	37.681M	6.146109G	6.183791G	Inf	1

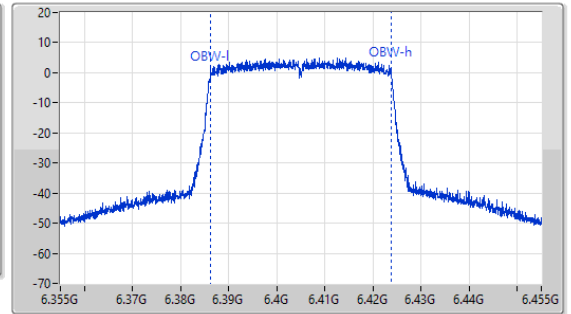
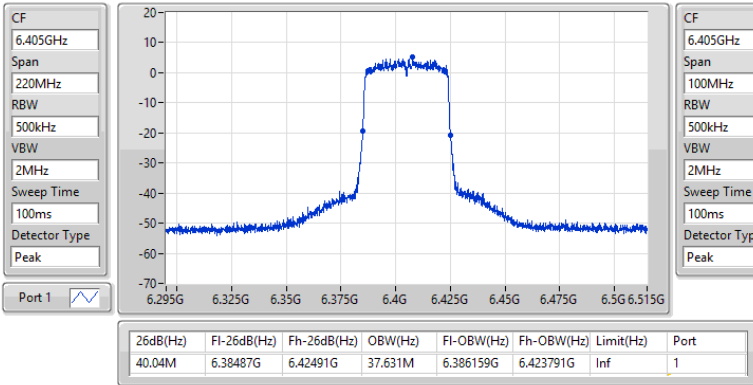


5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6405MHz

04/03/2023

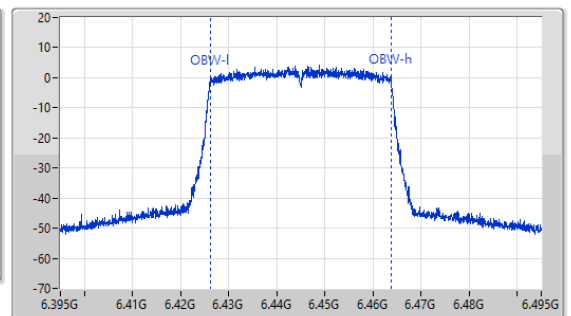
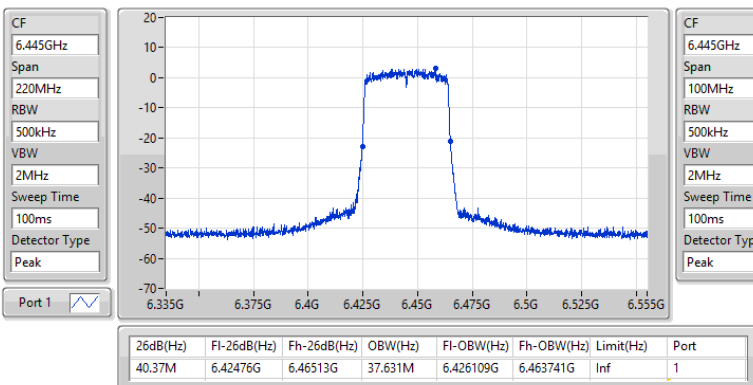


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6445MHz

04/03/2023

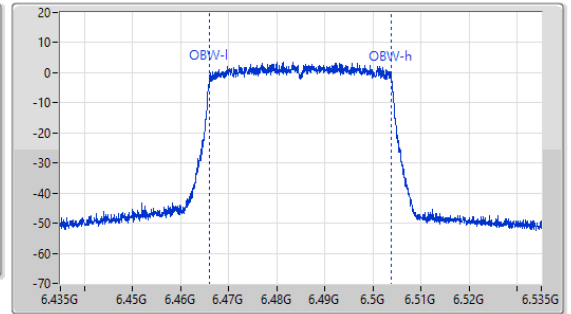
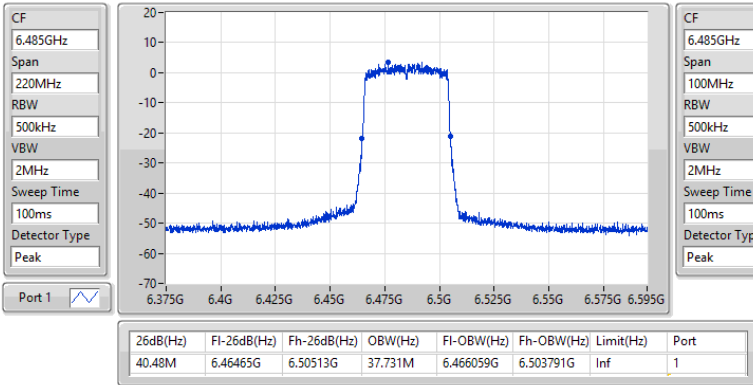


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6485MHz

04/03/2023

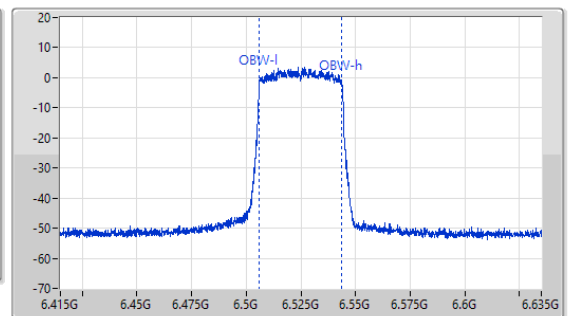
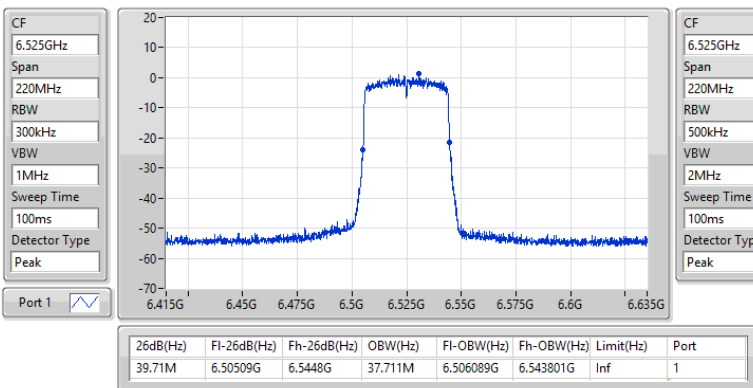


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6525MHz Straddle 6.425-6.525GHz

04/03/2023

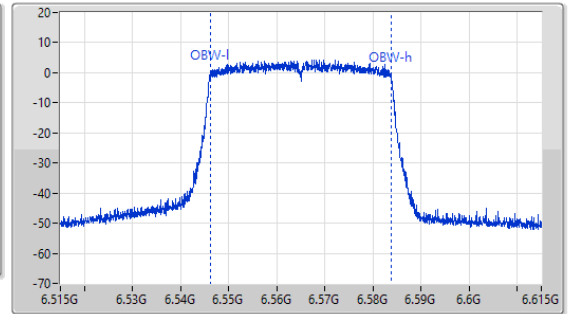
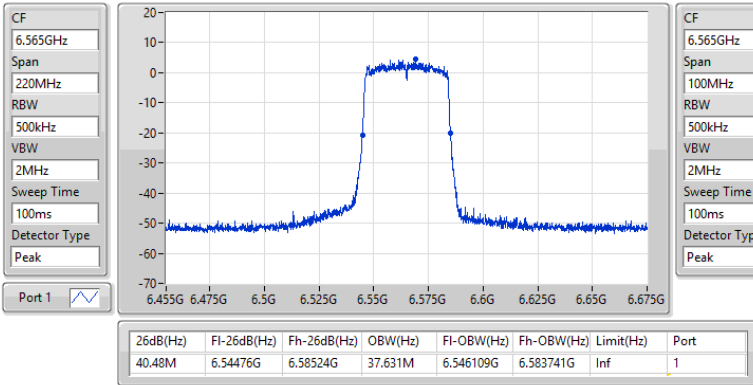


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6565MHz

04/03/2023

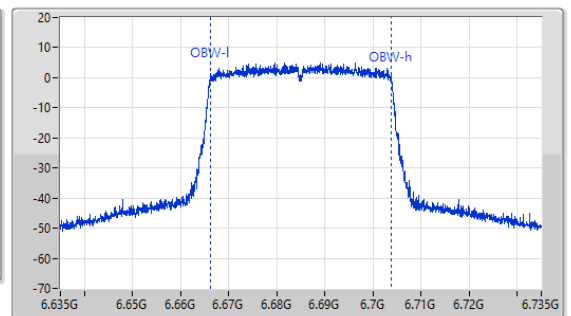
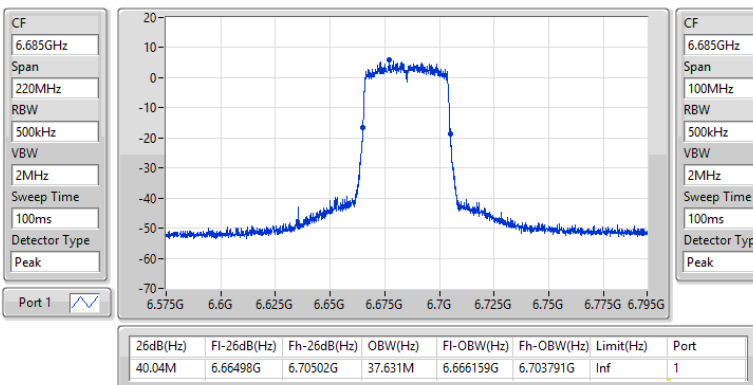


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6685MHz

04/03/2023

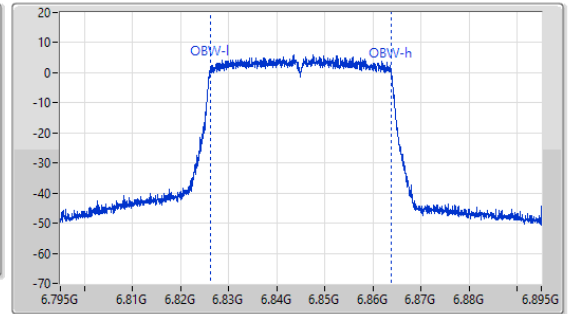
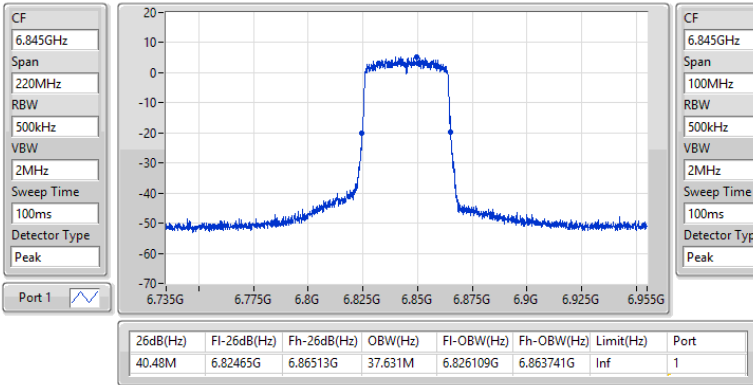


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6845MHz

04/03/2023

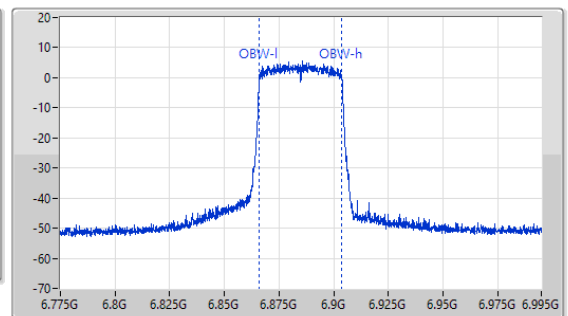
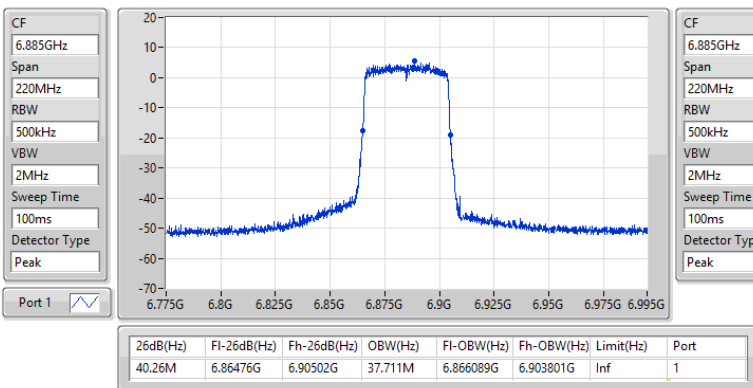


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

6885MHz Straddle 6.525-6.875GHz

04/03/2023



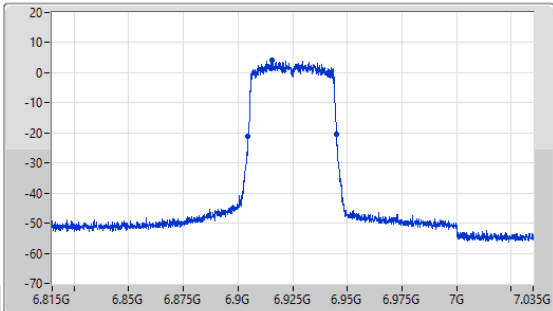
6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

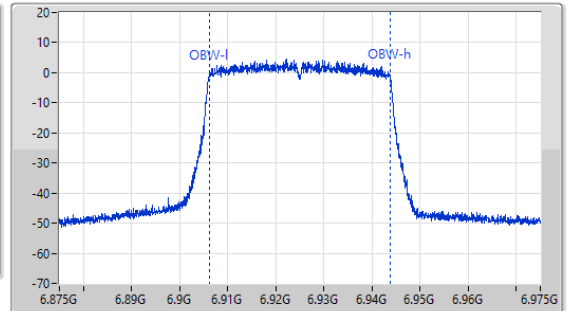
6925MHz

04/03/2023

CF  
6.925GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.925GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.90465G	6.94502G	37.631M	6.906109G	6.943741G	Inf	1

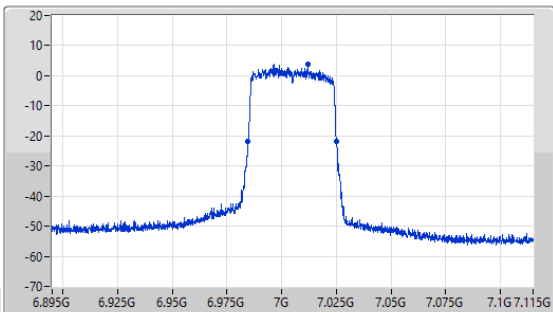
6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

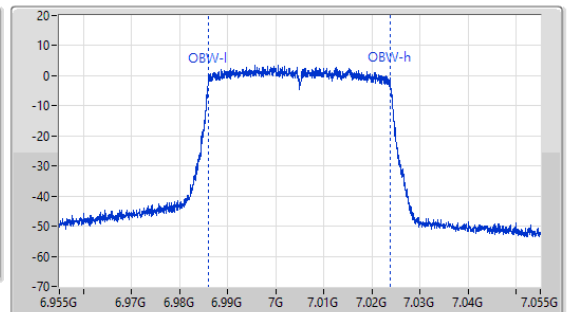
7005MHz

04/03/2023

CF  
7.005GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
7.005GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.48M	6.98465G	7.02513G	37.681M	6.986009G	7.023691G	Inf	1

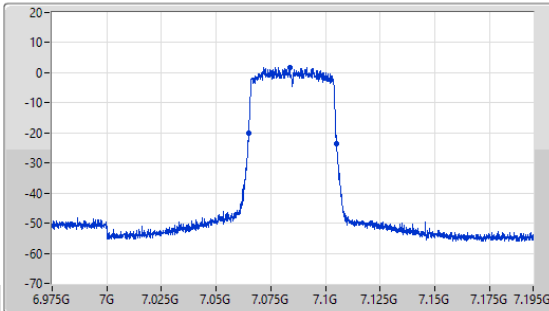
6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_1TX

EBW

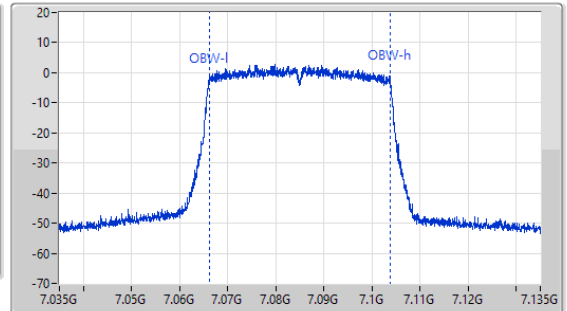
7085MHz

04/03/2023

CF  
7.085GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
7.085GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	7.06476G	7.10513G	37.631M	7.066109G	7.103741G	Inf	1

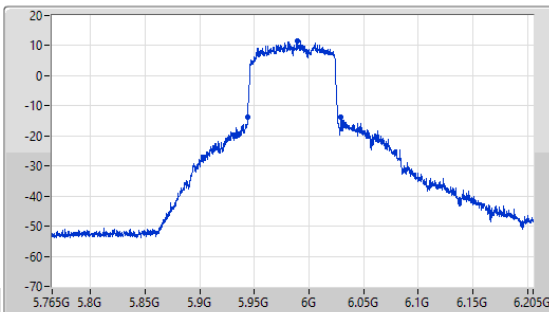
5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

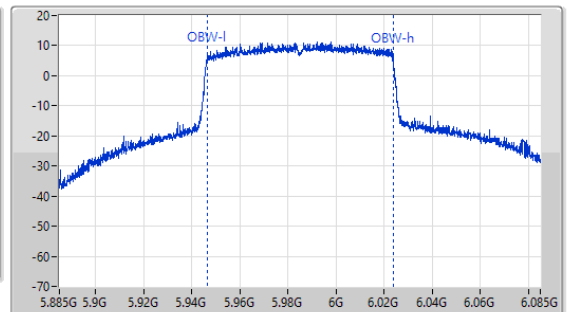
5985MHz

04/03/2023

CF  
5.985GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.985GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



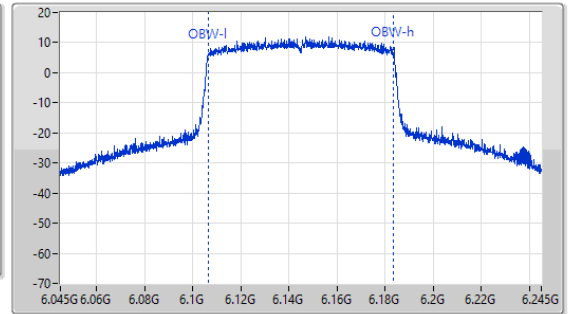
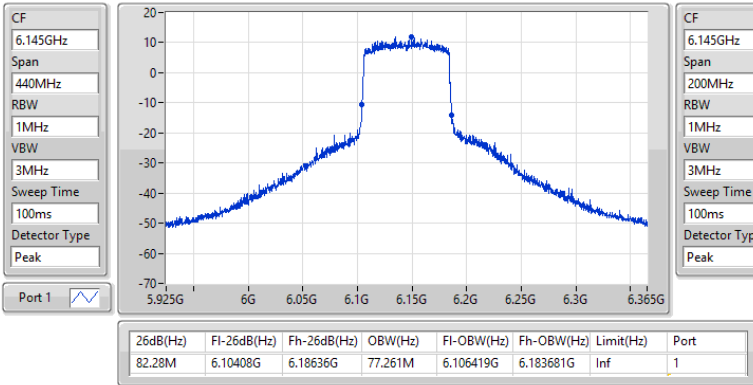
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.58M	5.94386G	6.02944G	77.361M	5.946419G	6.023781G	Inf	1

5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6145MHz

04/03/2023

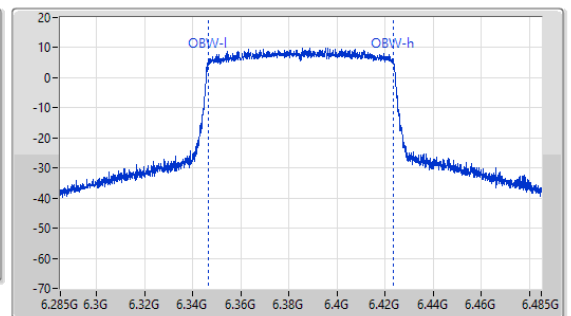
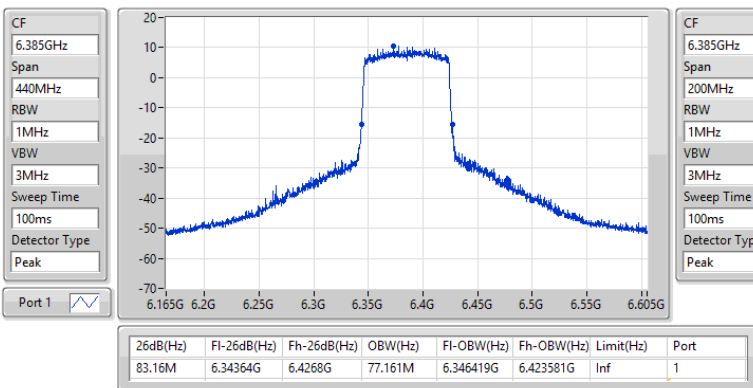


5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6385MHz

04/03/2023

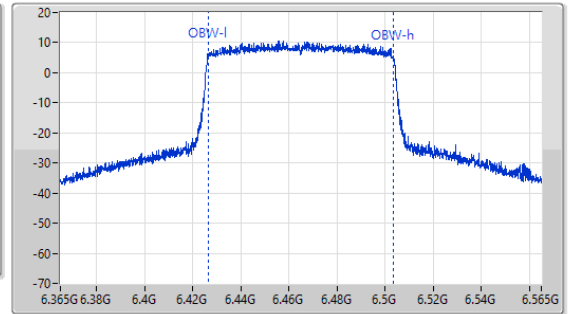
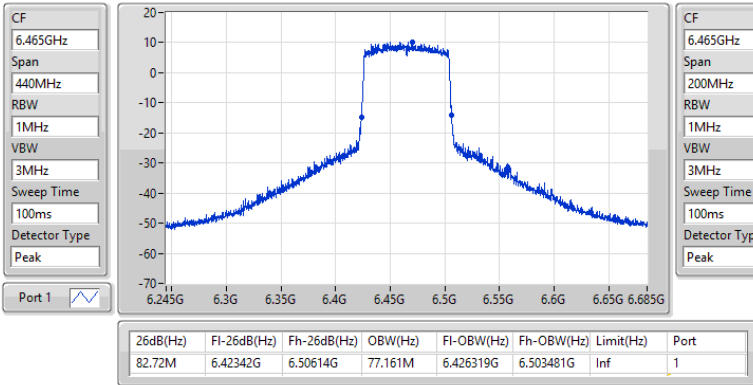


6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6465MHz

04/03/2023

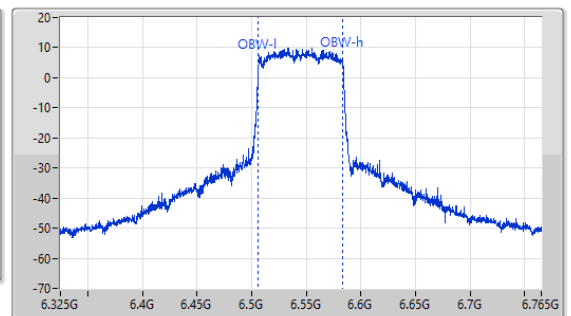
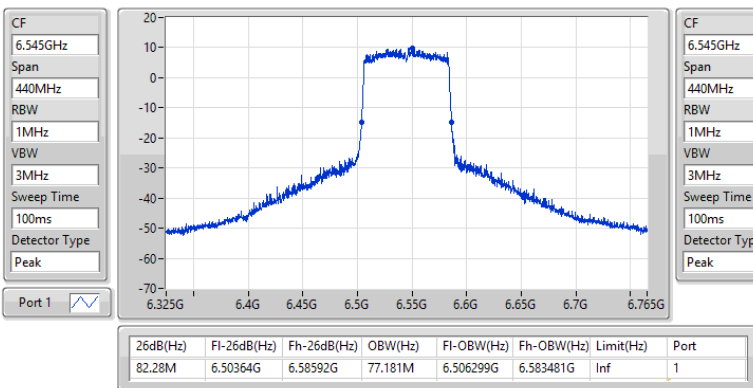


6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6545MHz Straddle 6.425-6.525GHz

04/03/2023



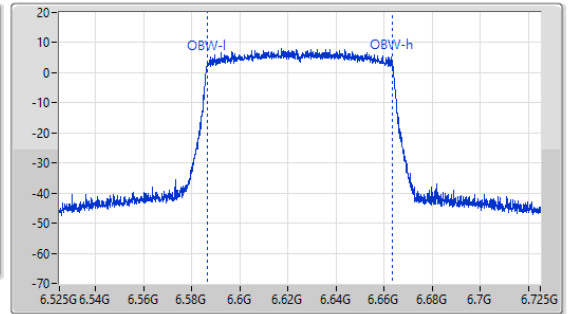
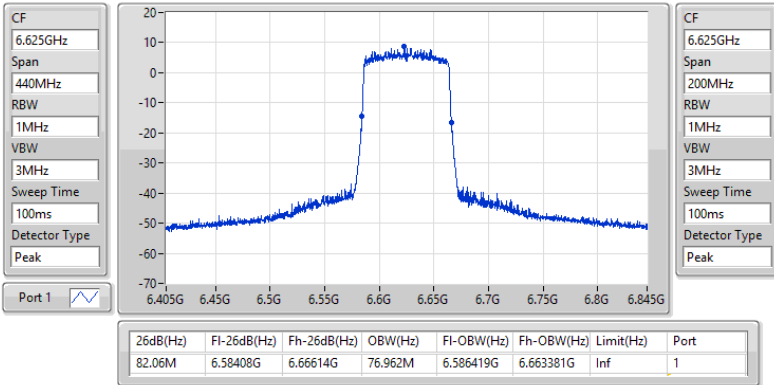


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6625MHz

04/03/2023

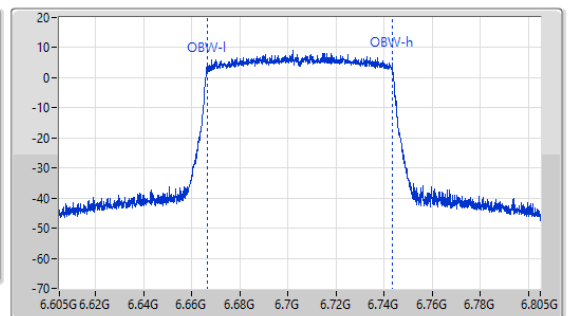
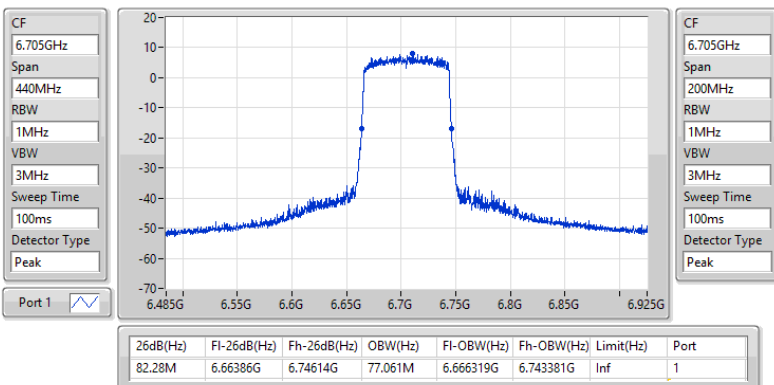


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6705MHz

04/03/2023

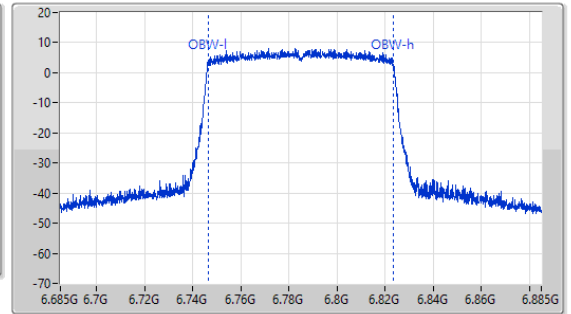
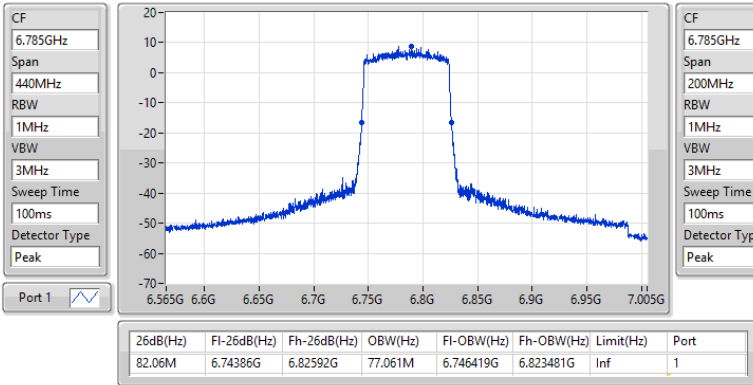


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6785MHz

04/03/2023

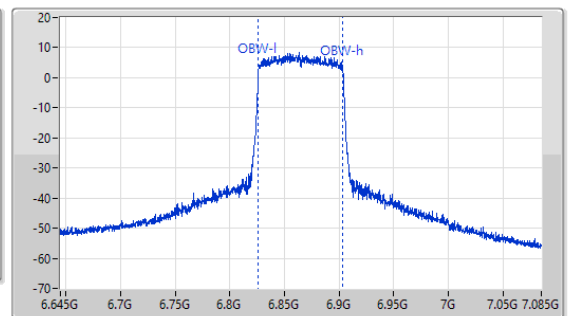
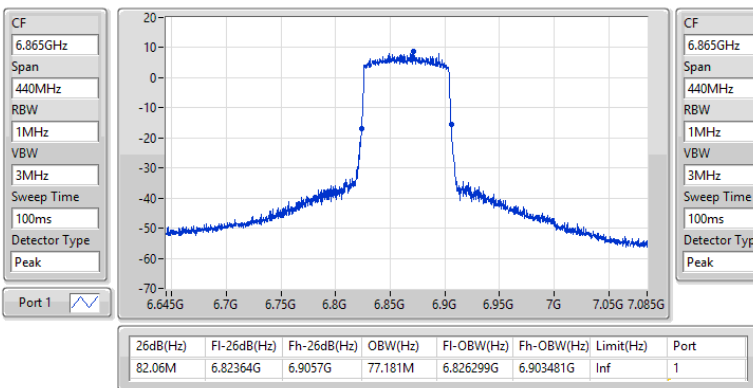


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6865MHz Straddle 6.525-6.875GHz

04/03/2023

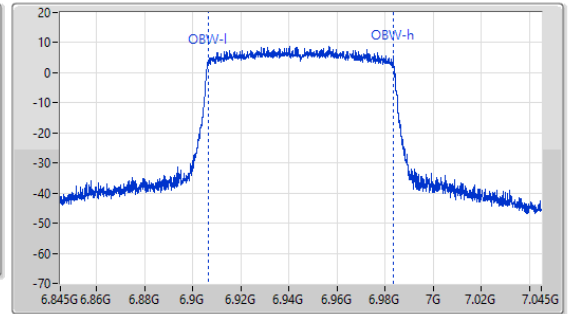
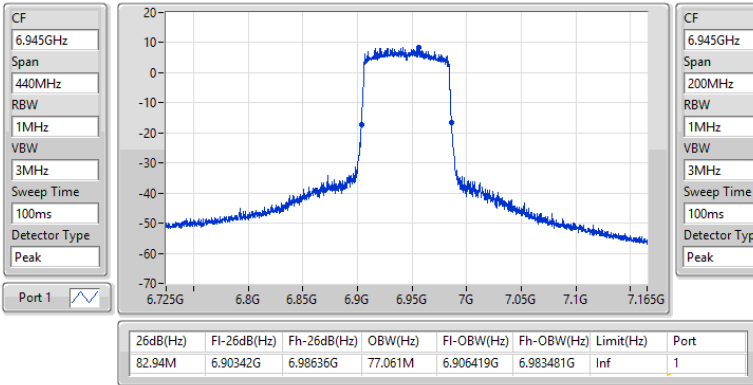


6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

6945MHz

04/03/2023

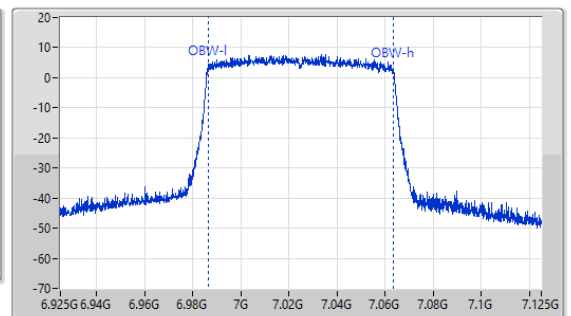
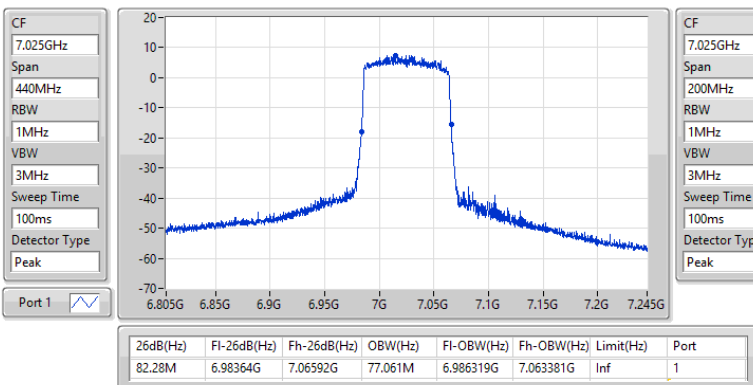


6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_1TX

EBW

7025MHz

04/03/2023

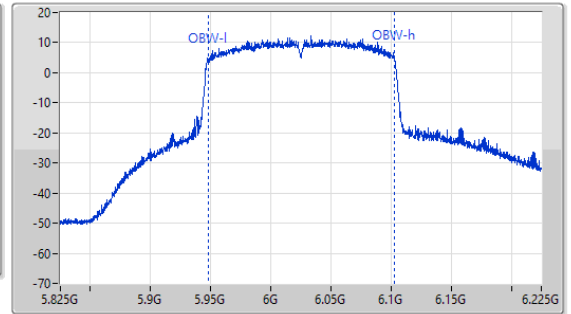
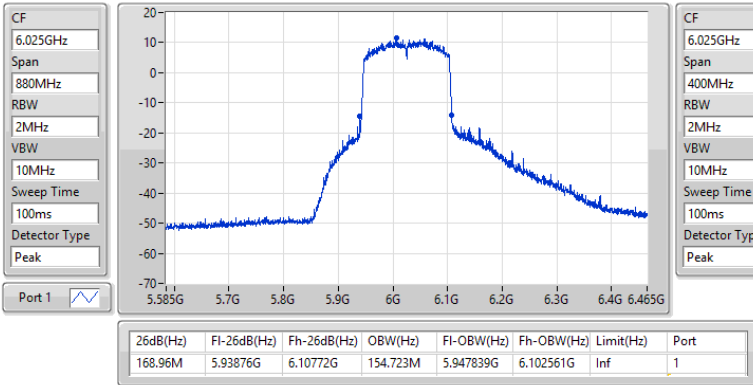


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

6025MHz

04/03/2023

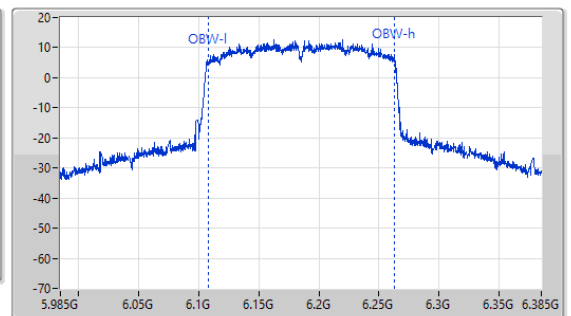
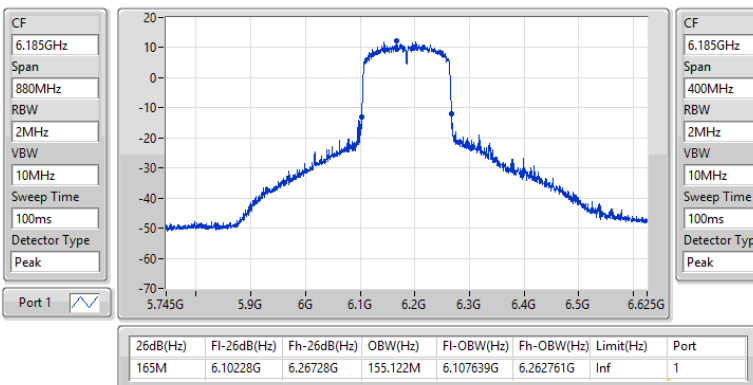


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

6185MHz

04/03/2023

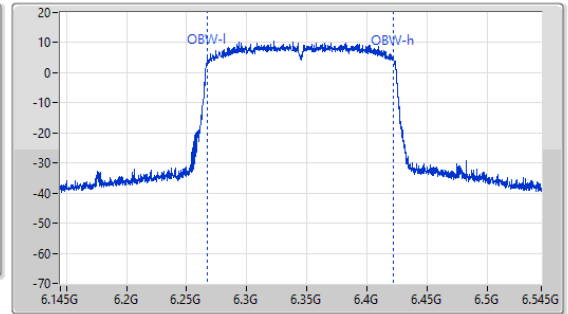
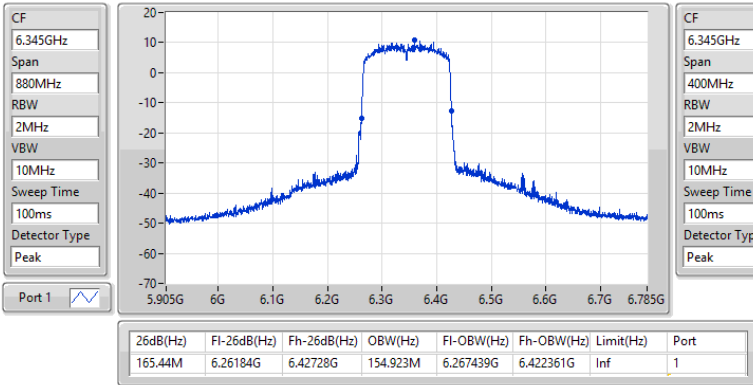


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

6345MHz

04/03/2023

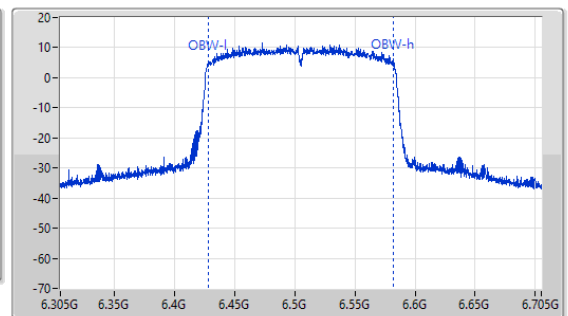
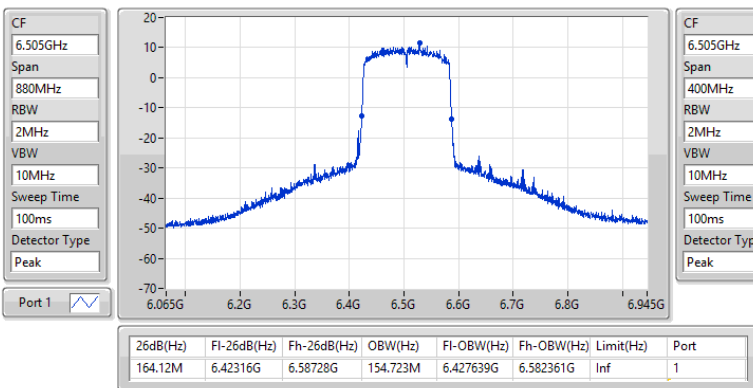


6.425-6.525GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

6505MHz

04/03/2023



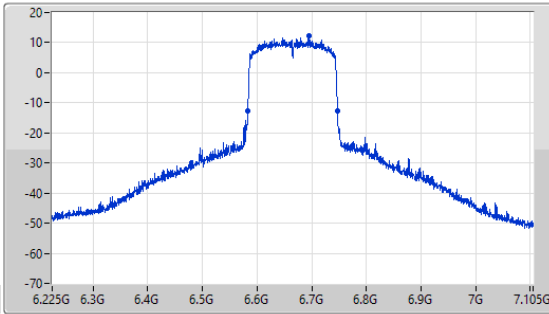
6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

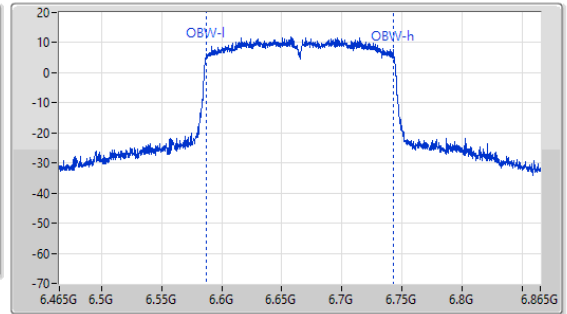
6665MHz

04/03/2023

CF  
6.665GHz  
Span  
880MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.665GHz  
Span  
400MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.58228G	6.74684G	155.122M	6.587439G	6.742561G	Inf	1

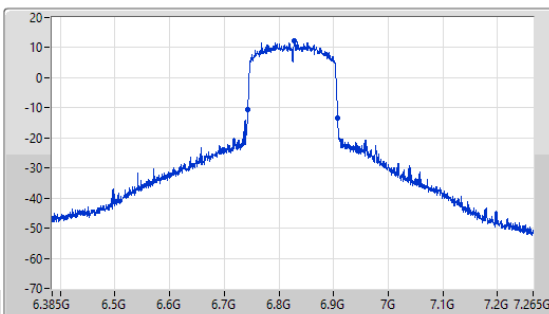
6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

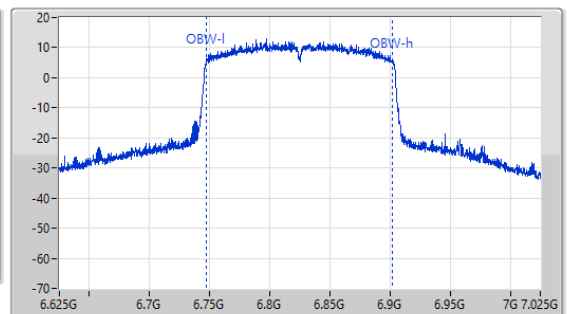
6825MHz

04/03/2023

CF  
6.825GHz  
Span  
880MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.825GHz  
Span  
400MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



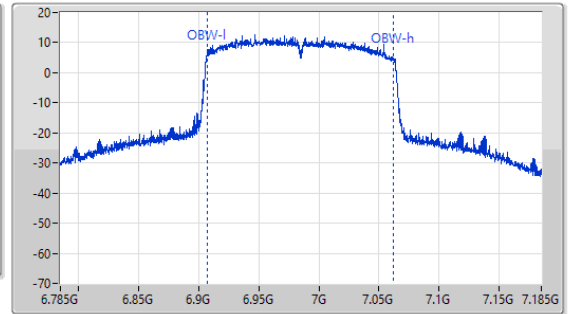
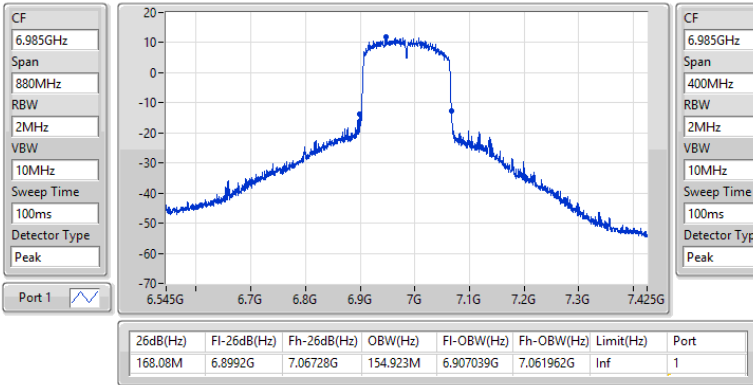
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.74316G	6.90772G	155.122M	6.747239G	6.902361G	Inf	1

6.875-7.125GHz\_802.11ax HEW160\_Nss1,(MCS0)\_1TX

EBW

6985MHz

04/03/2023

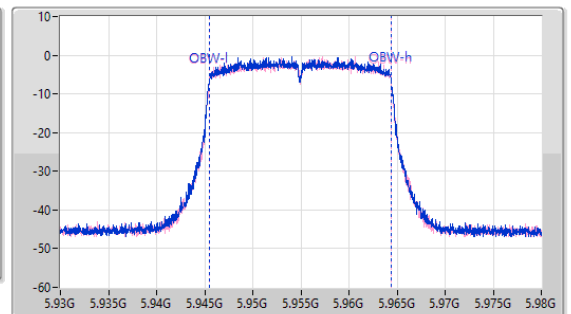
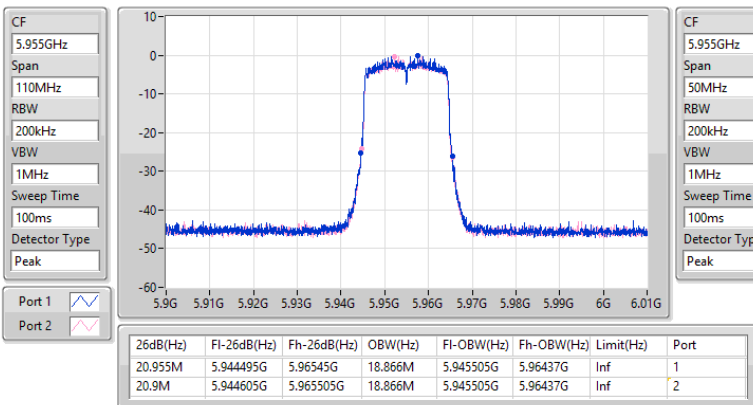


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

5955MHz

01/03/2023

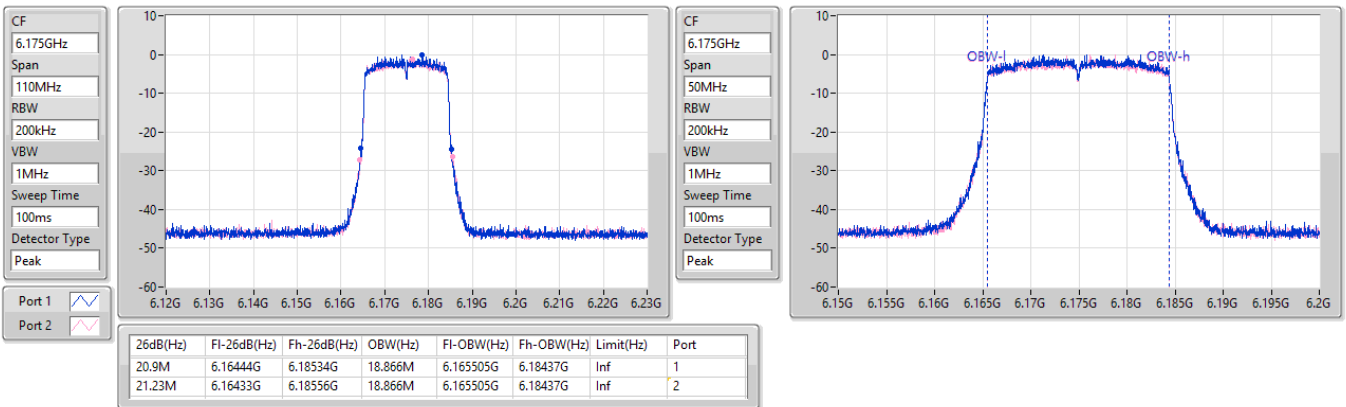


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6175MHz

01/03/2023

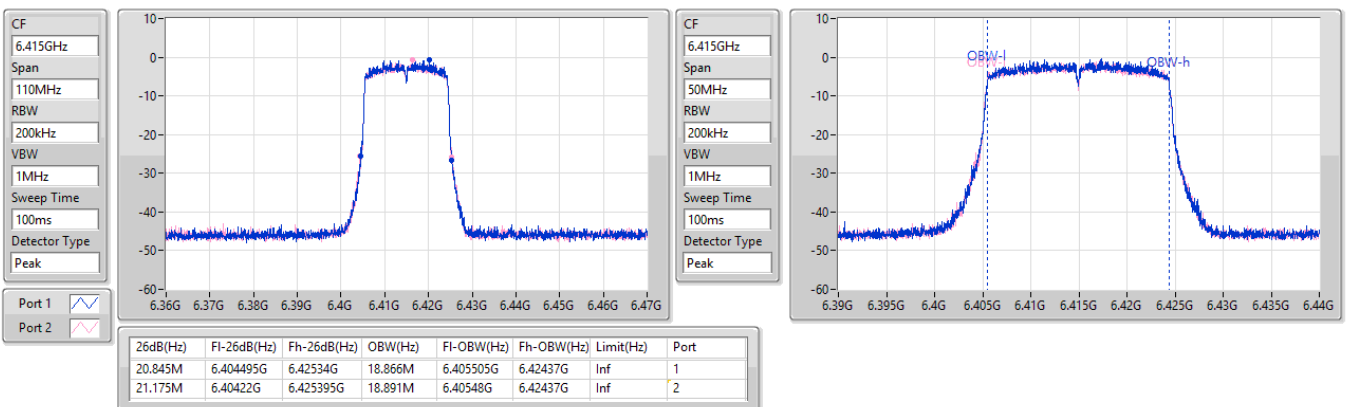


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6415MHz

01/03/2023



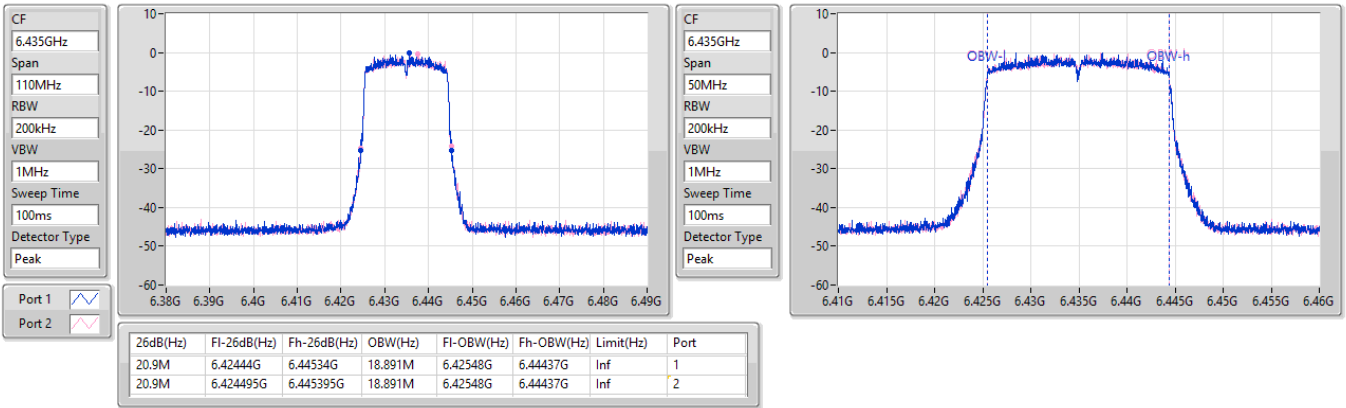


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6435MHz

01/03/2023

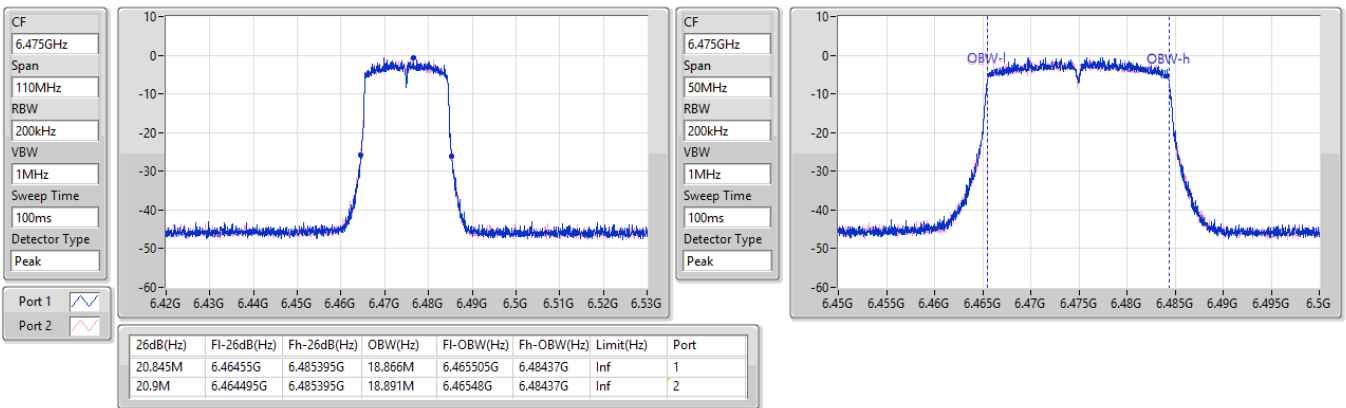


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6475MHz

01/03/2023



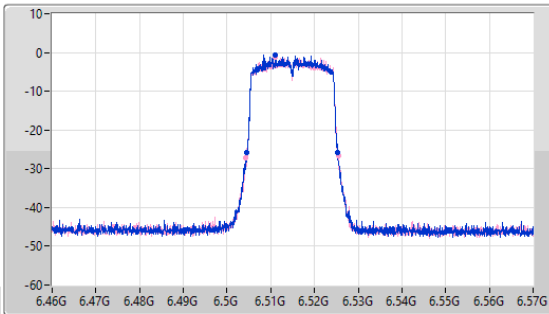
6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

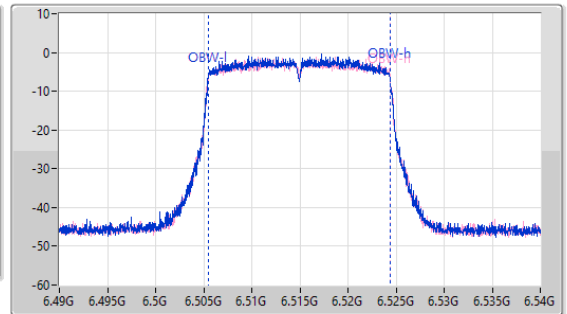
6515MHz

01/03/2023

CF  
6.515GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.515GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.735M	6.50455G	6.525285G	18.891M	6.50548G	6.52437G	Inf	1
21.175M	6.50433G	6.525505G	18.916M	6.50548G	6.524395G	Inf	2

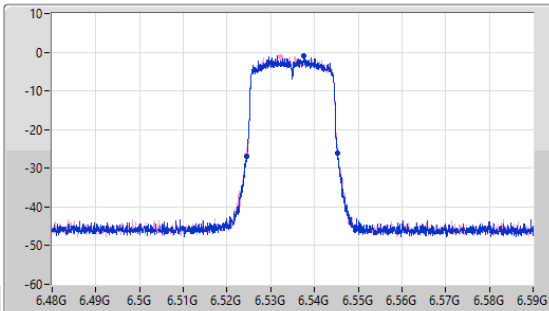
6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

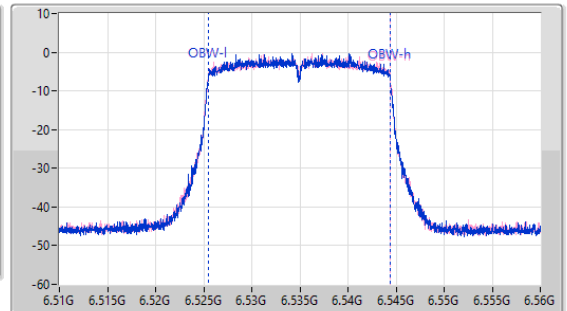
6535MHz

01/03/2023

CF  
6.535GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.535GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	6.52444G	6.545395G	18.866M	6.52548G	6.544345G	Inf	1
20.9M	6.524385G	6.545285G	18.866M	6.525505G	6.54437G	Inf	2

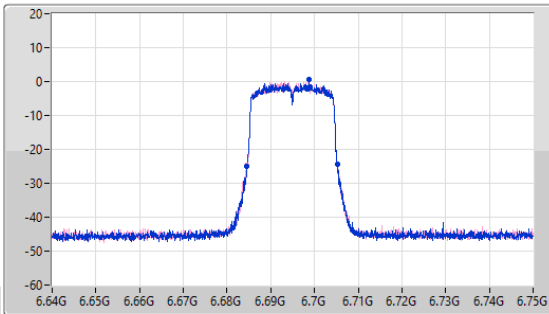
6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

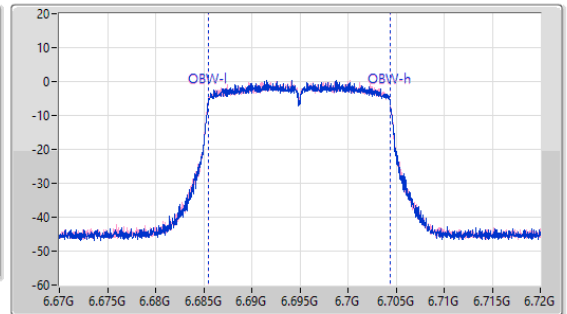
6695MHz

01/03/2023

CF  
6.695GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.695GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	6.68455G	6.70534G	18.841M	6.685505G	6.704345G	Inf	1
20.79M	6.684495G	6.705285G	18.891M	6.68548G	6.70437G	Inf	2

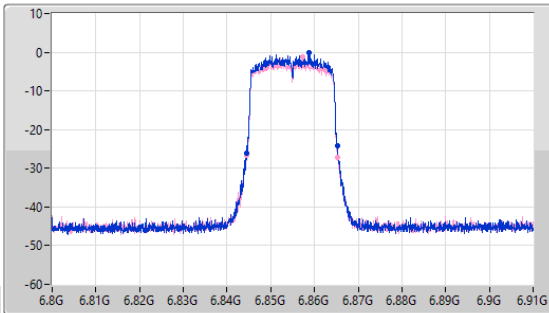
6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

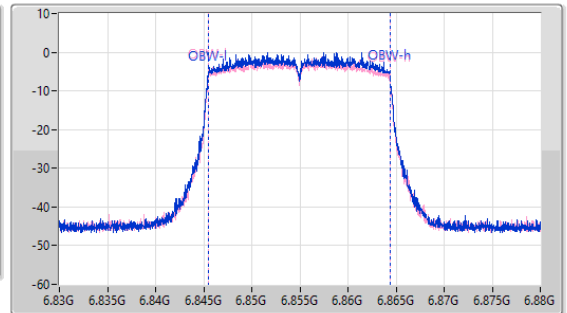
6855MHz

01/03/2023

CF  
6.855GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.855GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



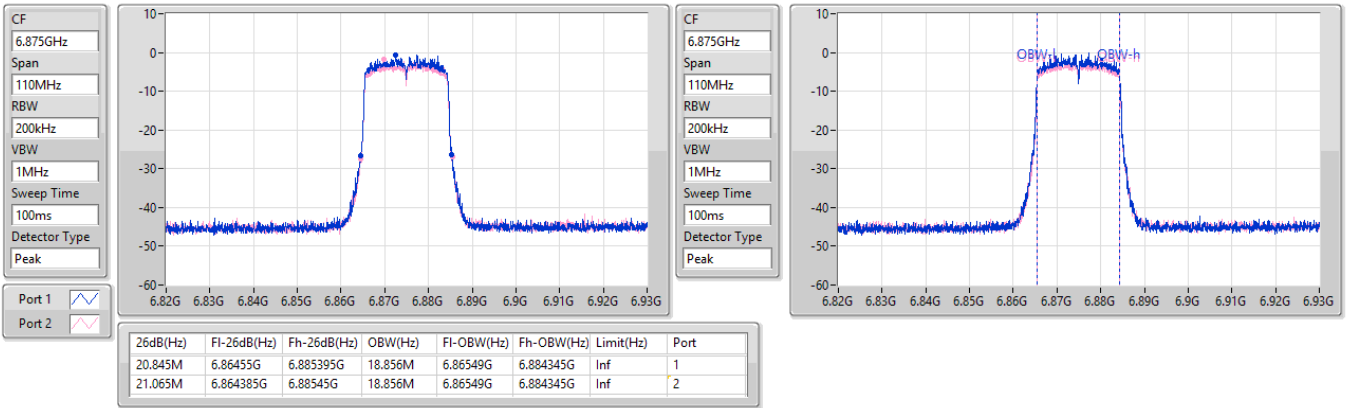
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.84444G	6.86534G	18.866M	6.84548G	6.864345G	Inf	1
20.955M	6.84444G	6.865395G	18.891M	6.84548G	6.86437G	Inf	2

6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6875MHz Straddle 6.525-6.875GHz

01/03/2023

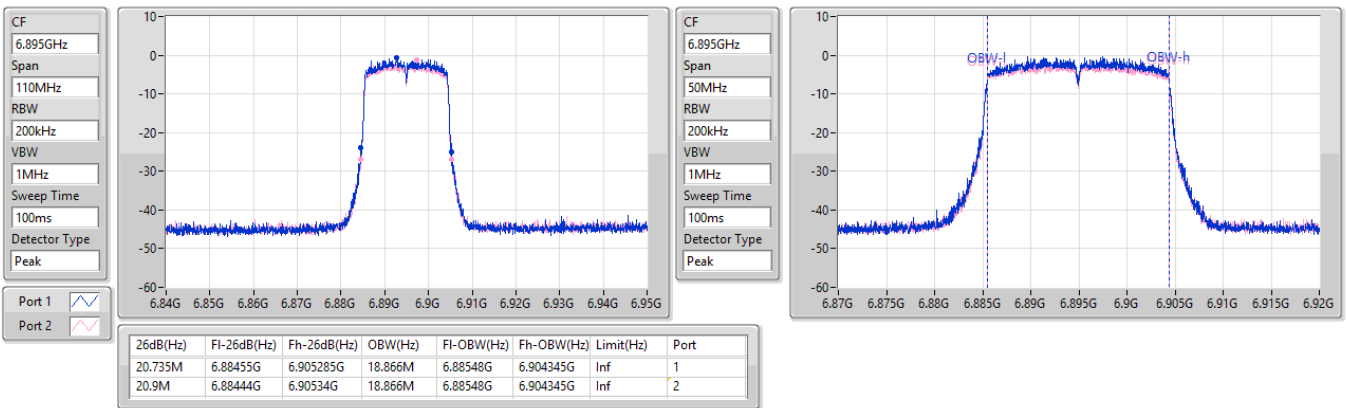


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

6895MHz

01/03/2023



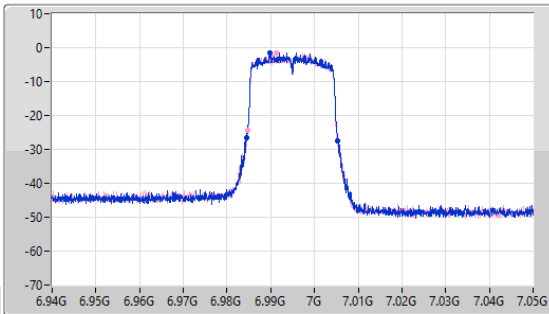
6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

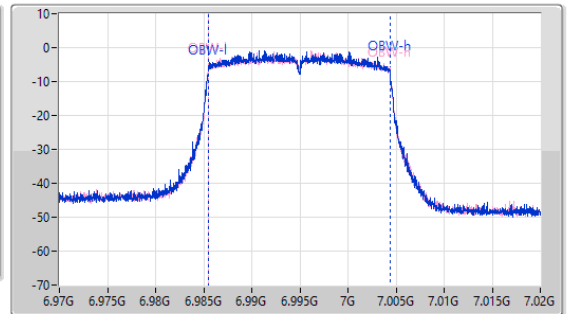
6995MHz

01/03/2023

CF  
6.995GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.995GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.984385G	7.005395G	18.866M	6.98548G	7.004345G	Inf	1
20.735M	6.984605G	7.00534G	18.866M	6.98548G	7.004345G	Inf	2

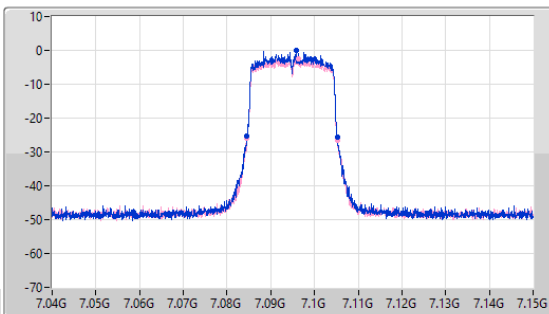
6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

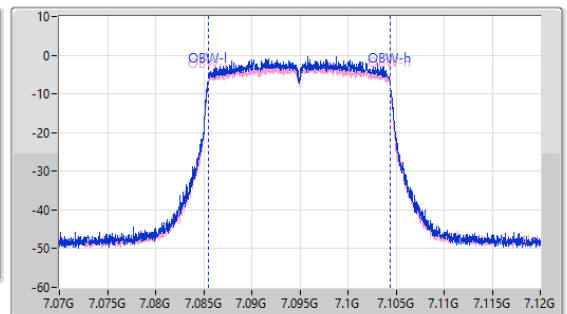
7095MHz

01/03/2023

CF  
7.095GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
7.095GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	7.084495G	7.105285G	18.866M	7.08548G	7.104345G	Inf	1
20.955M	7.084385G	7.10534G	18.866M	7.08548G	7.104345G	Inf	2

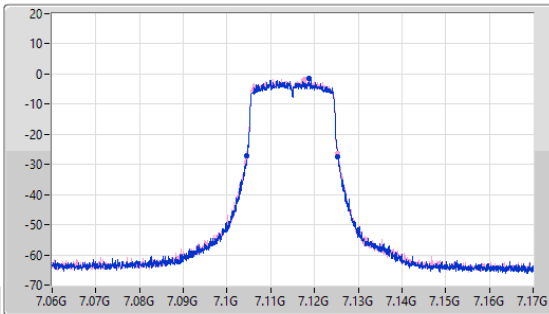
6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

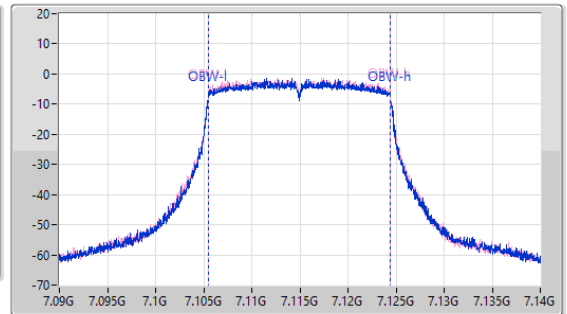
7115MHz

06/04/2023

CF: 7.115GHz  
 Span: 110MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1:   
 Port 2:



CF: 7.115GHz  
 Span: 50MHz  
 RBW: 200kHz  
 VBW: 1MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.845M	7.104495G	7.12534G	18.891M	7.105505G	7.124395G	Inf	1
20.955M	7.10444G	7.125395G	18.866M	7.10553G	7.124395G	Inf	2

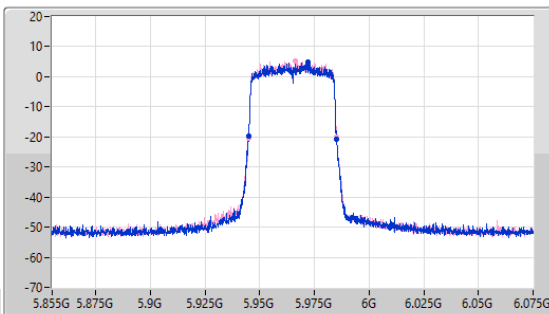
5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

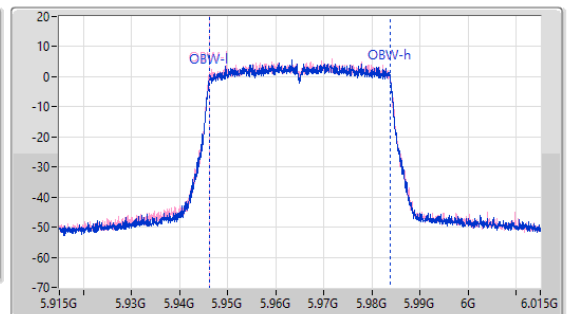
5965MHz

04/03/2023

CF: 5.965GHz  
 Span: 220MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak  
 Port 1:   
 Port 2:



CF: 5.965GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	5.94498G	5.98513G	37.631M	5.946159G	5.983791G	Inf	1
40.26M	5.94476G	5.98502G	37.681M	5.946109G	5.983791G	Inf	2

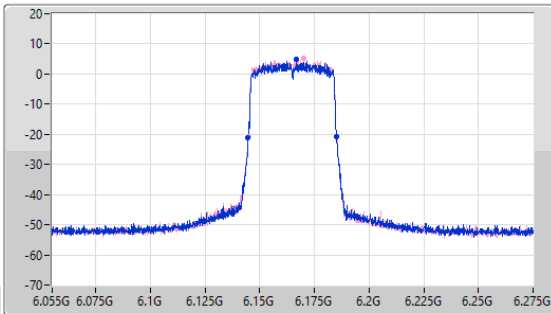
5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

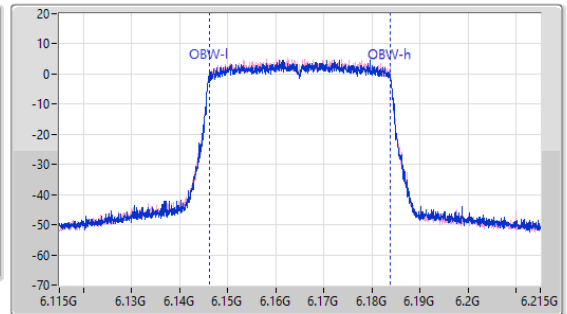
6165MHz

04/03/2023

CF  
6.165GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.165GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.59M	6.14465G	6.18524G	37.631M	6.146159G	6.183791G	Inf	1
40.48M	6.14476G	6.18524G	37.681M	6.146109G	6.183791G	Inf	2

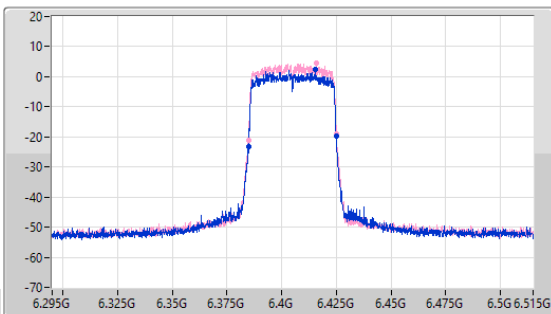
5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

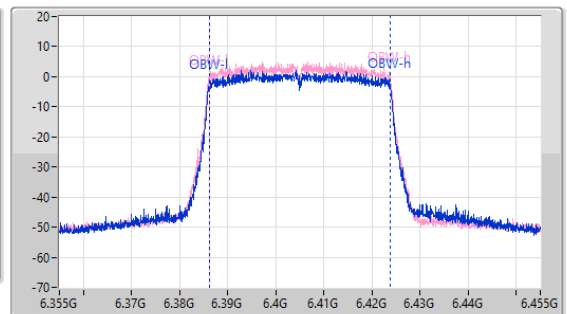
6405MHz

04/03/2023

CF  
6.405GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.405GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.38487G	6.42513G	37.681M	6.386109G	6.423791G	Inf	1
40.26M	6.38476G	6.42502G	37.681M	6.386109G	6.423791G	Inf	2

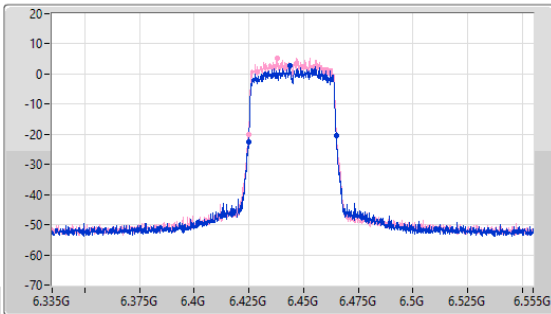
6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

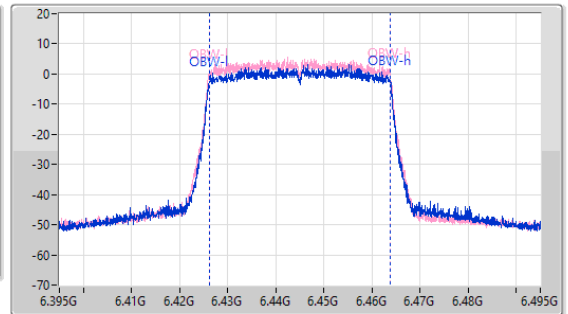
6445MHz

04/03/2023

CF  
6.445GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.445GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	6.42487G	6.46502G	37.681M	6.426109G	6.463791G	Inf	1
40.26M	6.42487G	6.46513G	37.681M	6.426109G	6.463791G	Inf	2

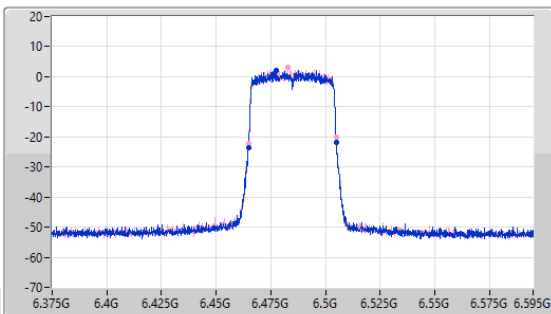
6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

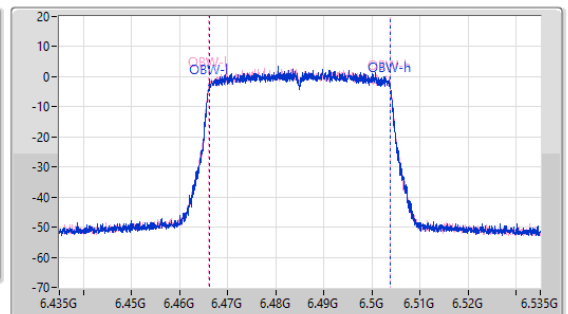
6485MHz

04/03/2023

CF  
6.485GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.485GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.46476G	6.50502G	37.631M	6.466109G	6.503741G	Inf	1
40.15M	6.46476G	6.50491G	37.731M	6.466059G	6.503791G	Inf	2

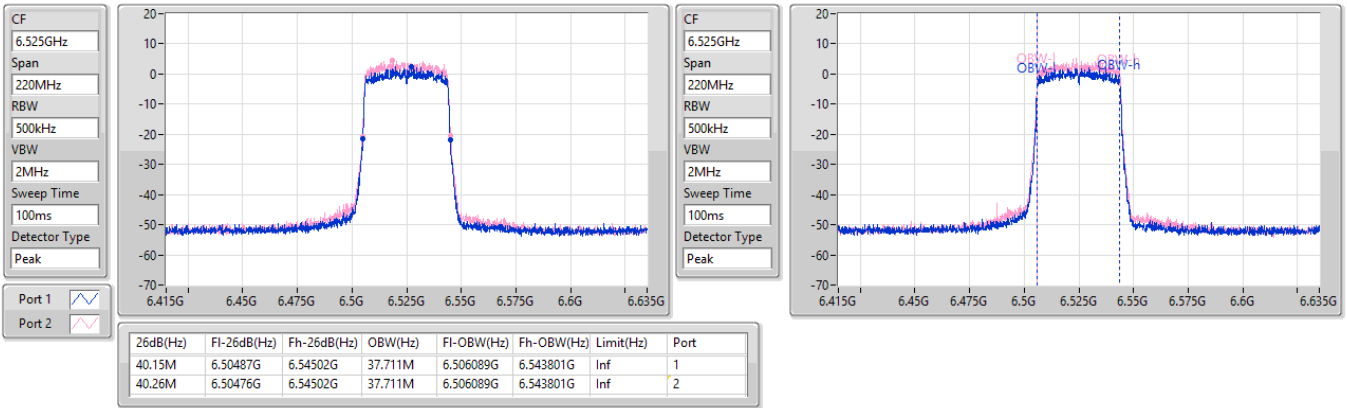


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

6525MHz Straddle 6.425-6.525GHz

04/03/2023

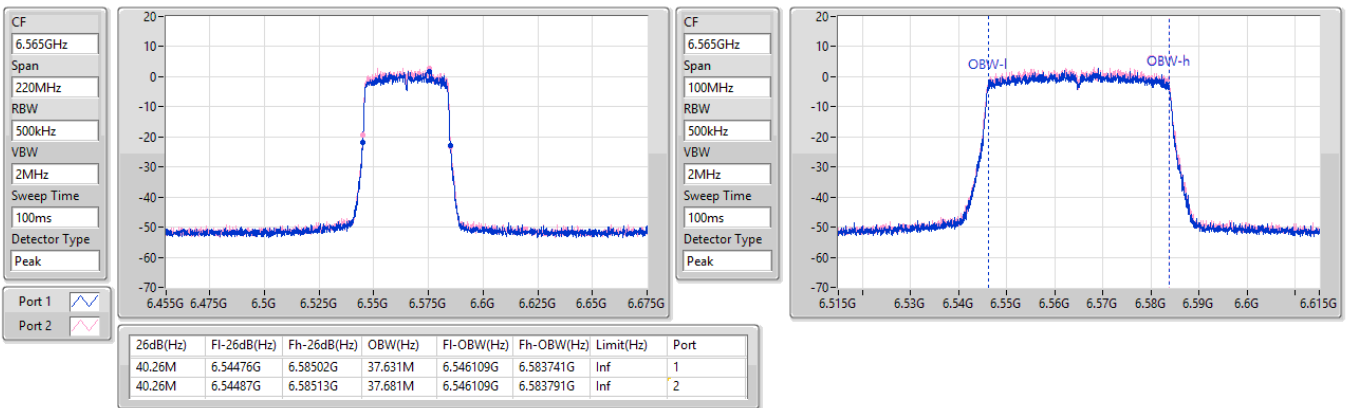


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

6565MHz

04/03/2023



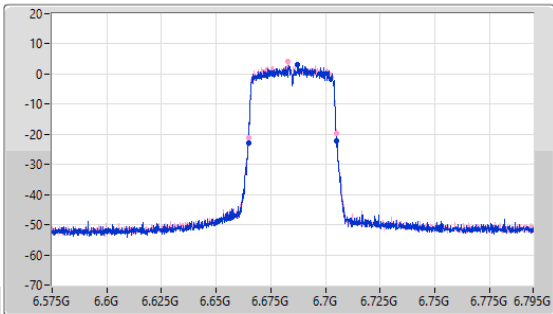
6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

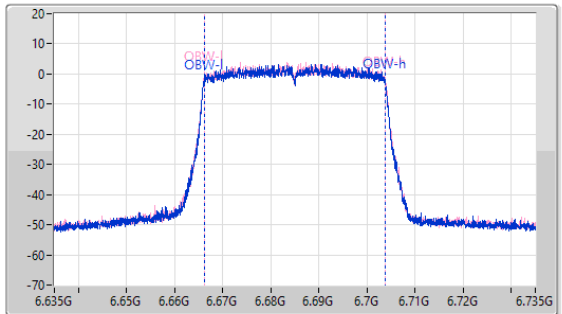
6685MHz

04/03/2023

CF  
6.685GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.685GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1

Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.66476G	6.70513G	37.631M	6.666109G	6.703741G	Inf	1
40.26M	6.66487G	6.70513G	37.681M	6.666109G	6.703791G	Inf	2

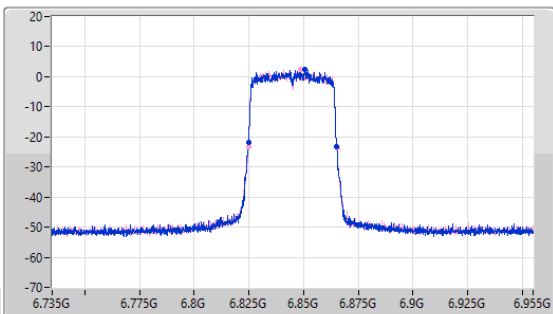
6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

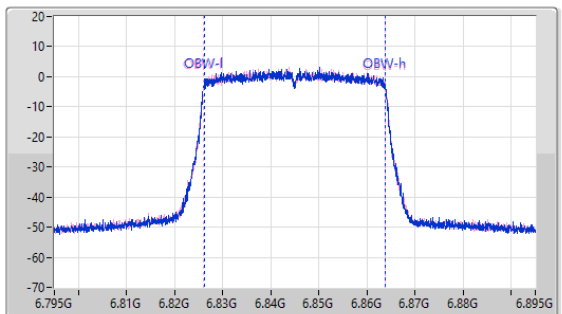
6845MHz

04/03/2023

CF  
6.845GHz  
Span  
220MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.845GHz  
Span  
100MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1

Port 2

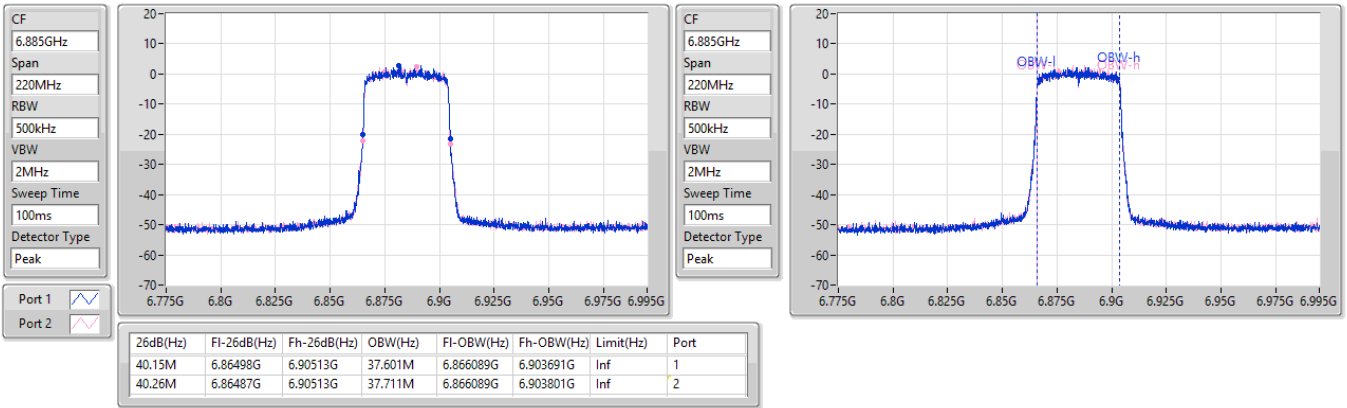
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.82476G	6.86513G	37.681M	6.826109G	6.863791G	Inf	1
40.48M	6.82487G	6.86535G	37.681M	6.826059G	6.863741G	Inf	2

6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

6885MHz Straddle 6.525-6.875GHz

04/03/2023

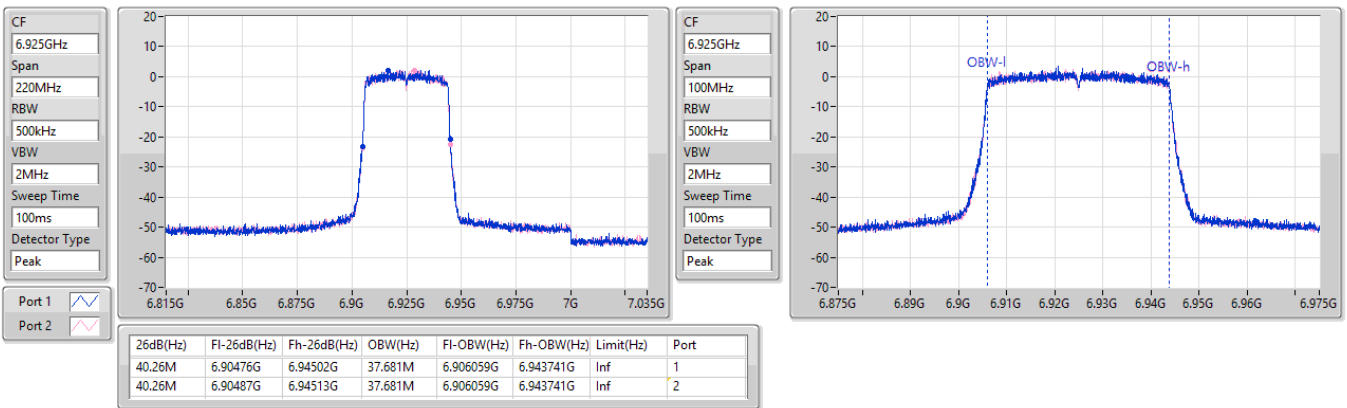


6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

6925MHz

04/03/2023



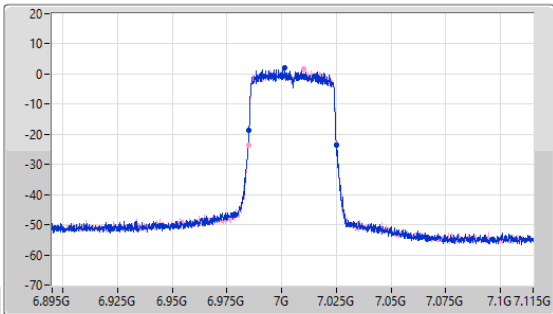
6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

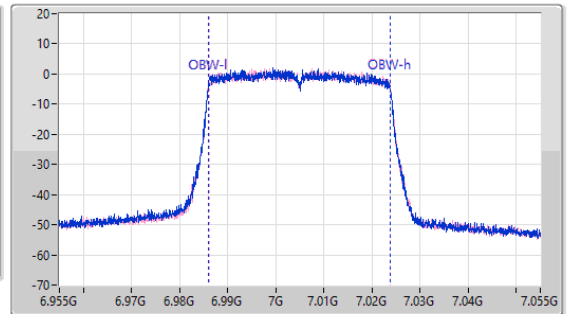
7005MHz

04/03/2023

CF: 7.005GHz  
 Span: 220MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 7.005GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	6.98498G	7.02513G	37.631M	6.986059G	7.023691G	Inf	1
40.26M	6.98476G	7.02502G	37.631M	6.986109G	7.023741G	Inf	2

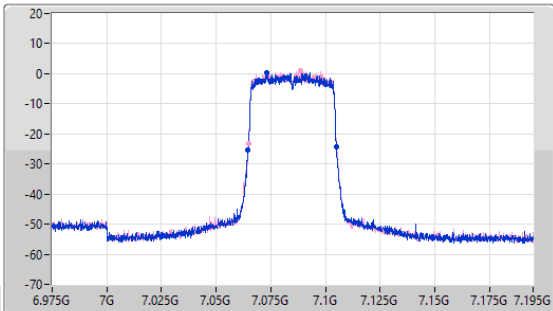
6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

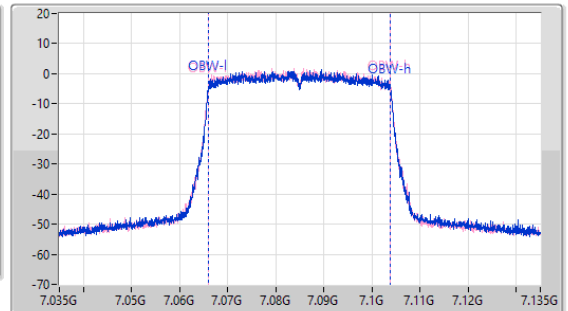
7085MHz

04/03/2023

CF: 7.085GHz  
 Span: 220MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



CF: 7.085GHz  
 Span: 100MHz  
 RBW: 500kHz  
 VBW: 2MHz  
 Sweep Time: 100ms  
 Detector Type: Peak



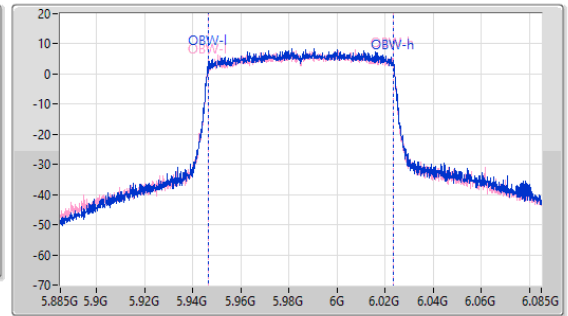
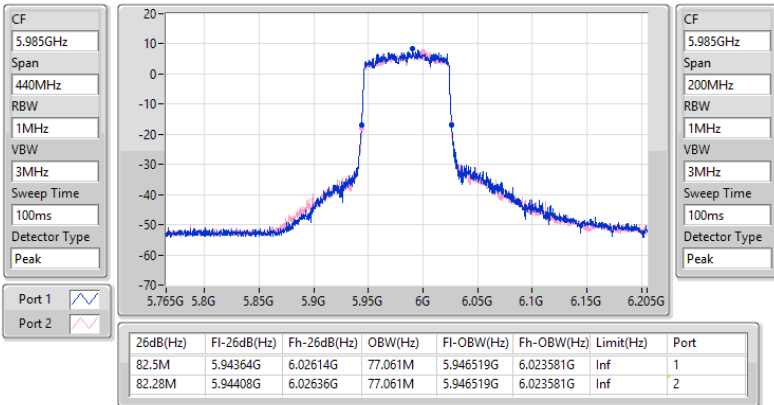
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.59M	7.06454G	7.10513G	37.681M	7.066059G	7.103741G	Inf	1
40.26M	7.06487G	7.10513G	37.681M	7.066059G	7.103741G	Inf	2

5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

5985MHz

04/03/2023

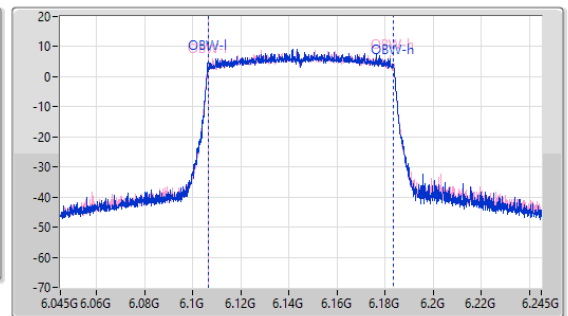
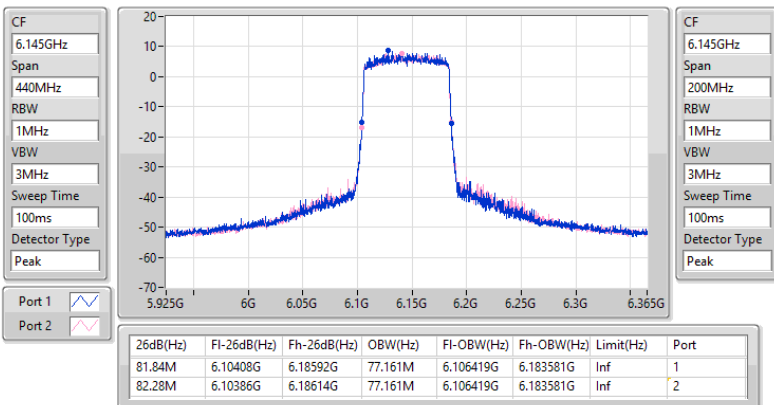


5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

6145MHz

04/03/2023



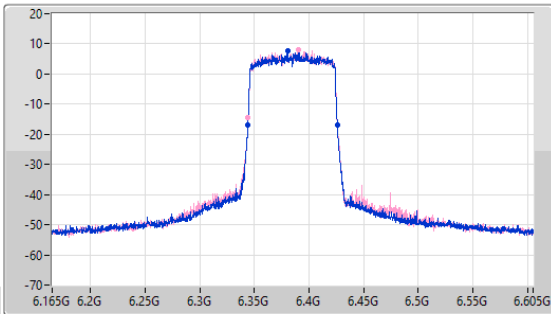
5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

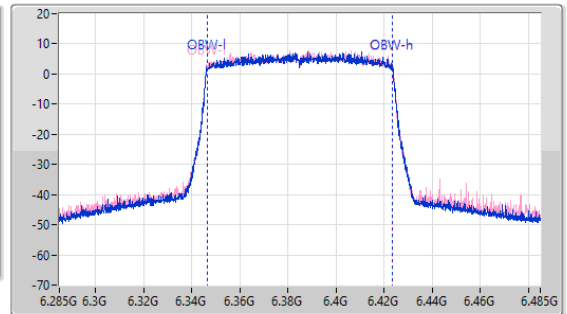
6385MHz

04/03/2023

CF  
6.385GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.385GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.34364G	6.42614G	77.061M	6.346419G	6.423481G	Inf	1
82.06M	6.34386G	6.42592G	77.161M	6.346319G	6.423481G	Inf	2

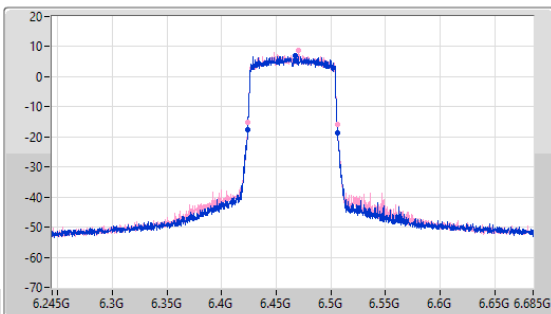
6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

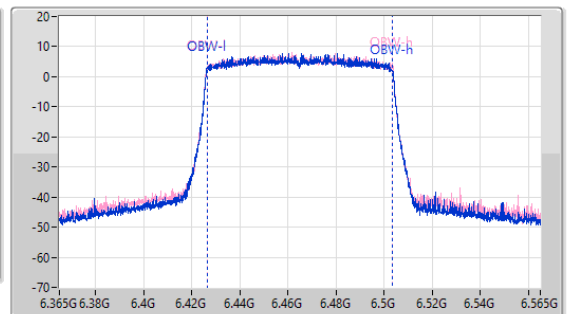
6465MHz

04/03/2023

CF  
6.465GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.465GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



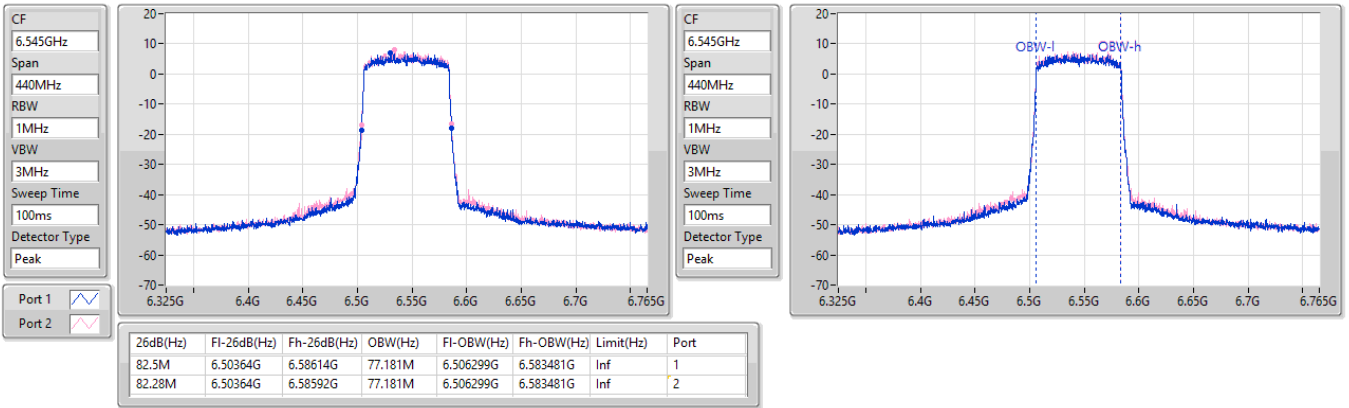
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.42386G	6.50636G	77.061M	6.426419G	6.503481G	Inf	1
81.62M	6.42408G	6.5057G	77.161M	6.426419G	6.503581G	Inf	2

6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

6545MHz Straddle 6.425-6.525GHz

04/03/2023

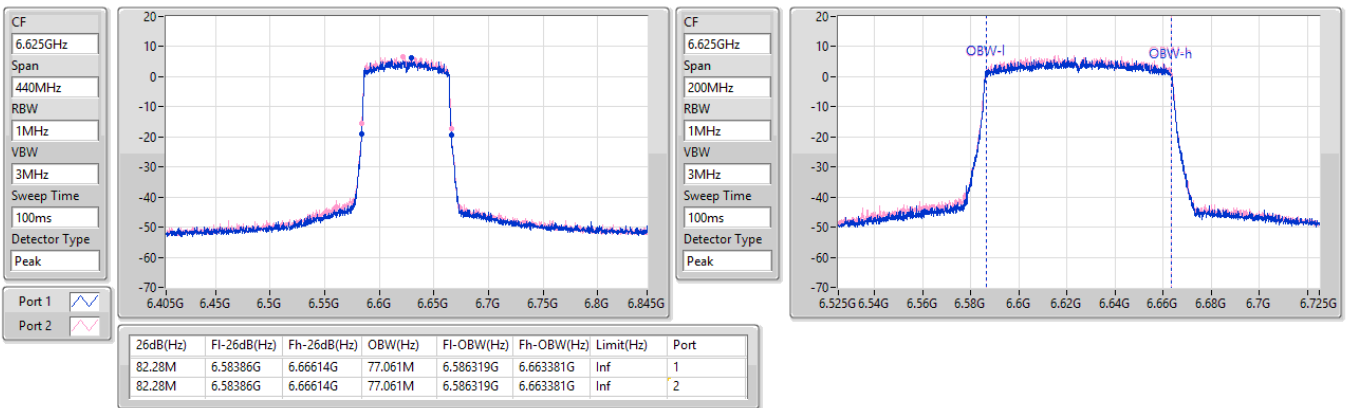


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

6625MHz

04/03/2023



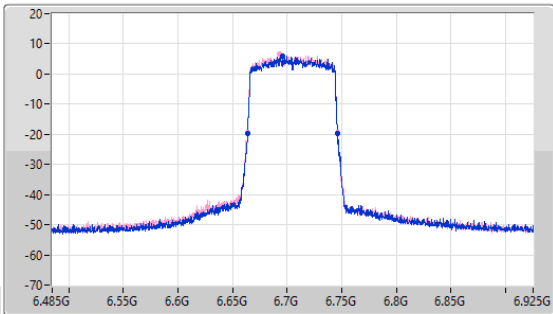
6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

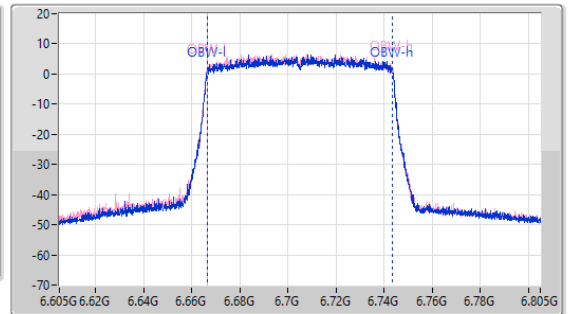
6705MHz

04/03/2023

CF  
6.705GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.705GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	6.66364G	6.74636G	77.061M	6.666419G	6.743481G	Inf	1
82.5M	6.66364G	6.74614G	77.061M	6.666419G	6.743481G	Inf	2

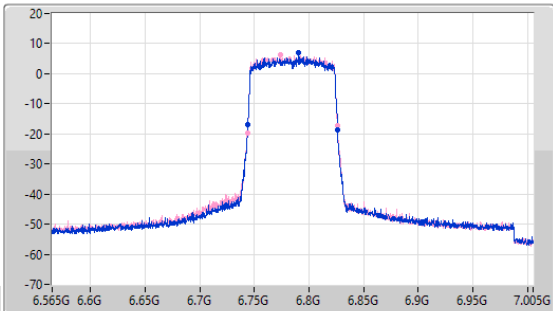
6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

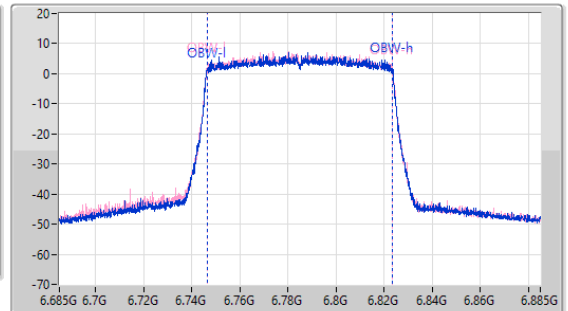
6785MHz

04/03/2023

CF  
6.785GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.785GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.74408G	6.82592G	77.061M	6.746419G	6.823481G	Inf	1
82.28M	6.74386G	6.82614G	77.161M	6.746319G	6.823481G	Inf	2

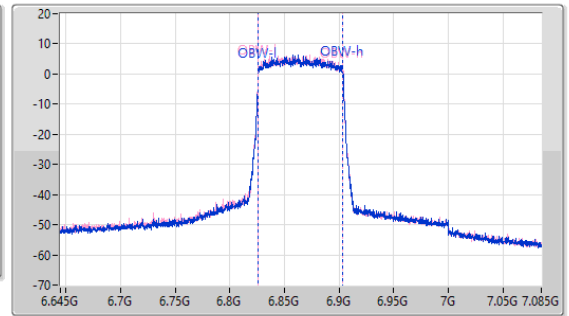
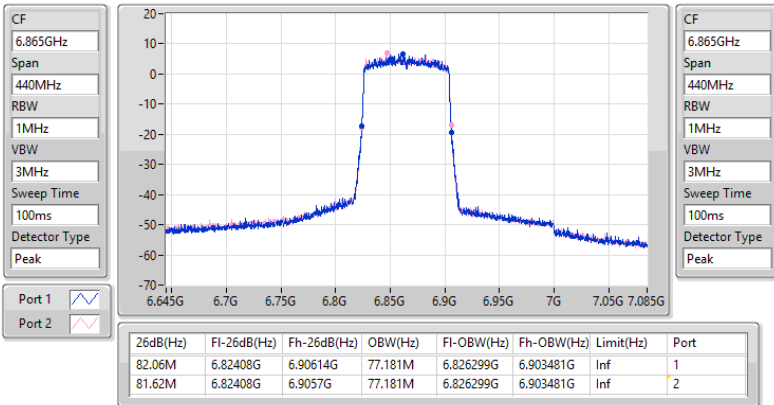


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

6865MHz Straddle 6.525-6.875GHz

04/03/2023

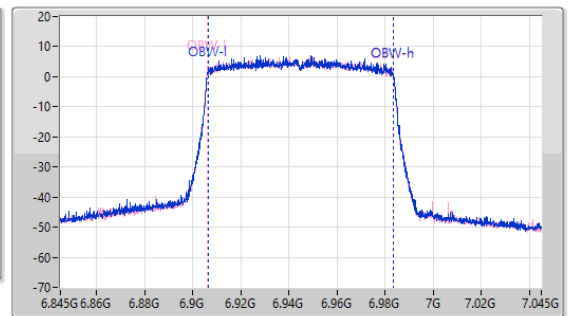
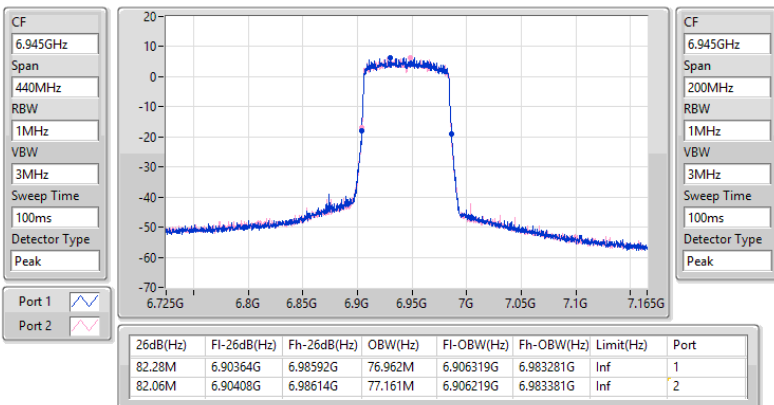


6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

6945MHz

04/03/2023



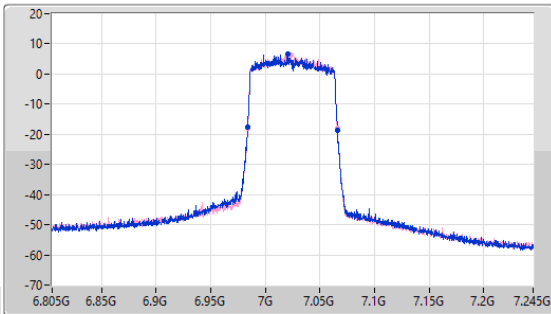
6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_2TX

EBW

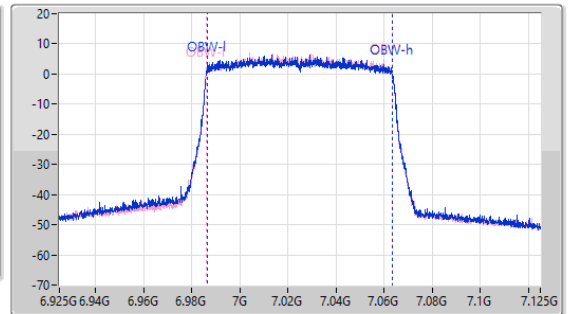
7025MHz

04/03/2023

CF  
7.025GHz  
Span  
440MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
7.025GHz  
Span  
200MHz  
RBW  
1MHz  
VBW  
3MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.98386G	7.06592G	77.061M	6.986319G	7.063381G	Inf	1
81.84M	6.98386G	7.0657G	77.161M	6.986219G	7.063381G	Inf	2

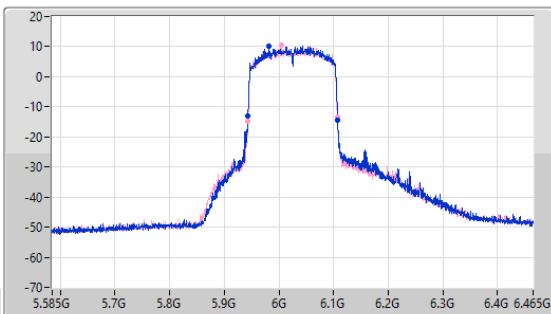
5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

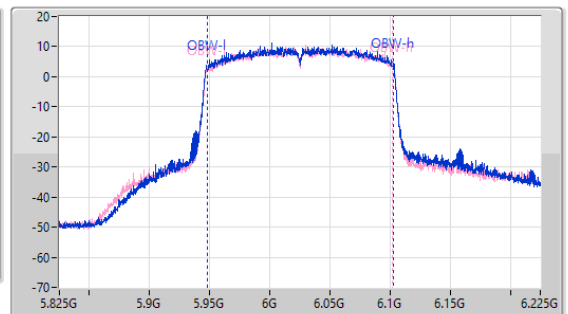
6025MHz

04/03/2023

CF  
6.025GHz  
Span  
880MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.025GHz  
Span  
400MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	5.94316G	6.10728G	154.723M	5.947839G	6.102561G	Inf	1
163.68M	5.94316G	6.10684G	154.323M	5.948038G	6.102361G	Inf	2

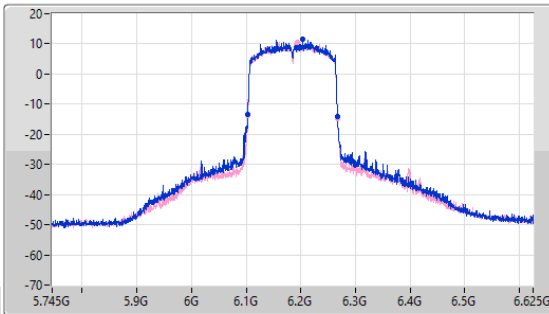
5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

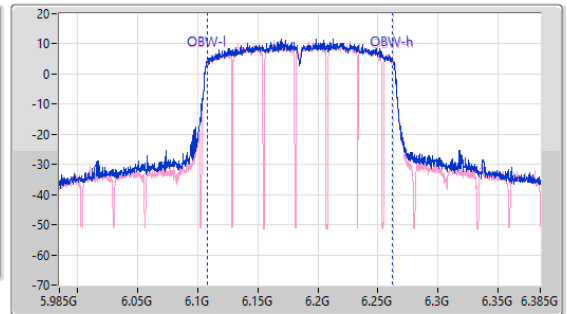
6185MHz

04/03/2023

CF  
6.185GHz  
Span  
880MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.185GHz  
Span  
400MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.10272G	6.26728G	154.323M	6.108038G	6.262361G	Inf	1
164.56M	6.10272G	6.26728G	154.923M	6.107839G	6.262761G	Inf	2

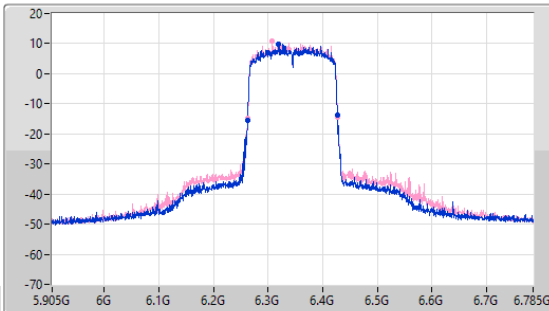
5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

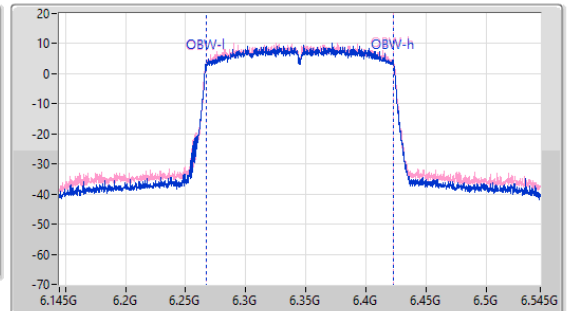
6345MHz

04/03/2023

CF  
6.345GHz  
Span  
880MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.345GHz  
Span  
400MHz  
RBW  
2MHz  
VBW  
10MHz  
Sweep Time  
100ms  
Detector Type  
Peak



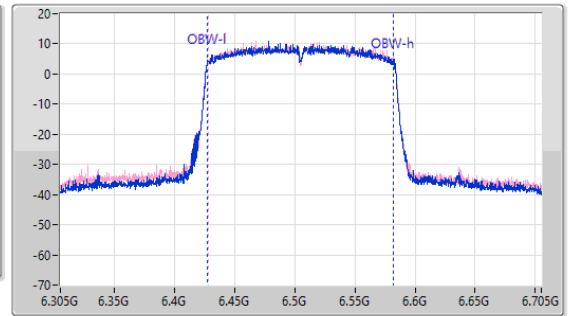
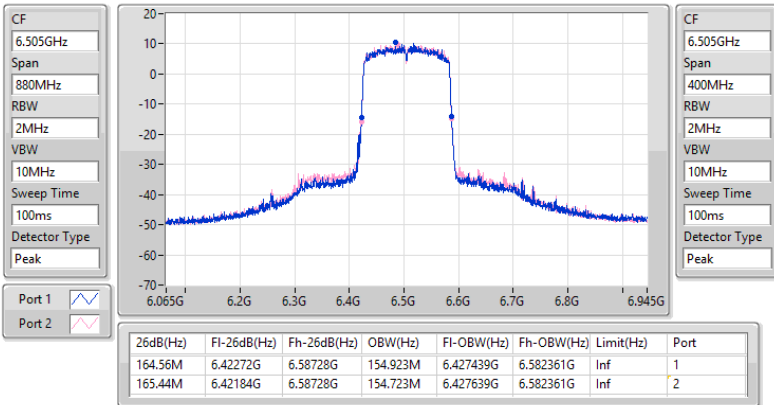
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.26228G	6.42684G	155.122M	6.267439G	6.422561G	Inf	1
164.56M	6.26272G	6.42728G	155.122M	6.267439G	6.422561G	Inf	2

6.425-6.525GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

6505MHz

04/03/2023

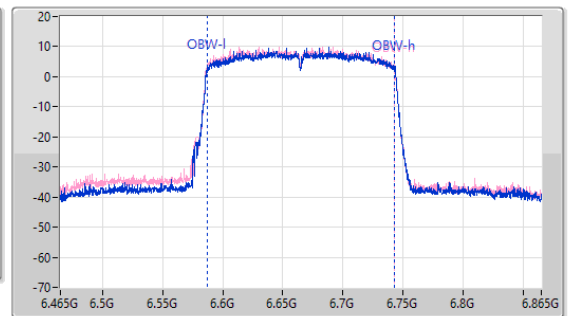
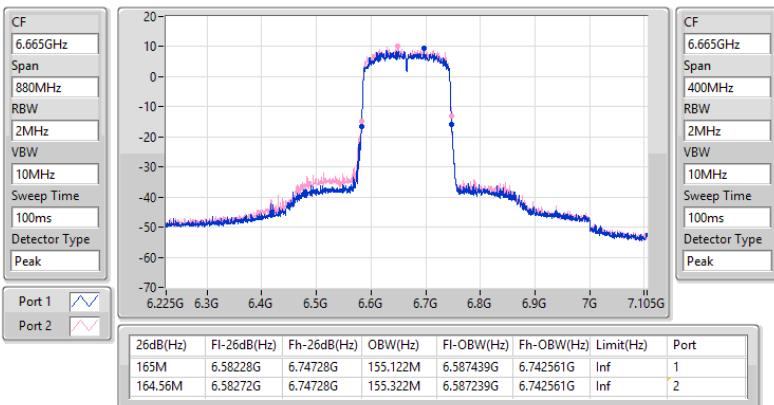


6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

6665MHz

04/03/2023

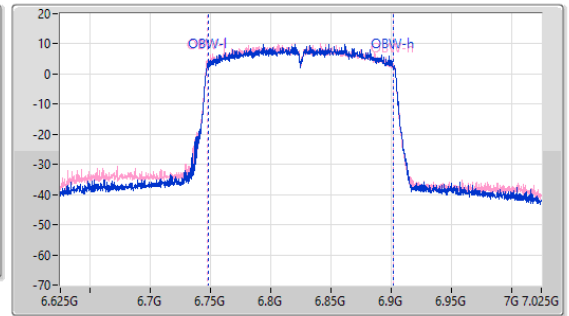
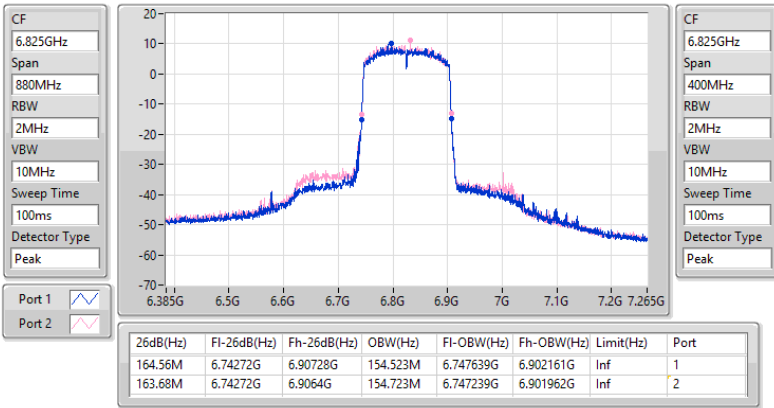


6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

6825MHz

04/03/2023

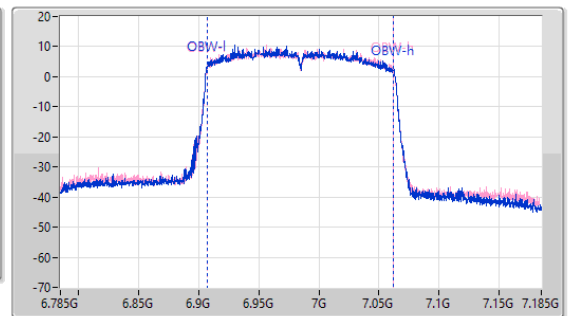
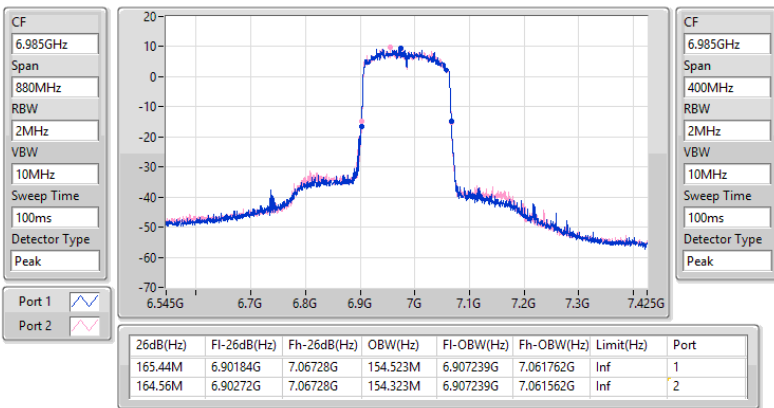


6.875-7.125GHz\_802.11ax HEW160\_Nss1,(MCS0)\_2TX

EBW

6985MHz

04/03/2023



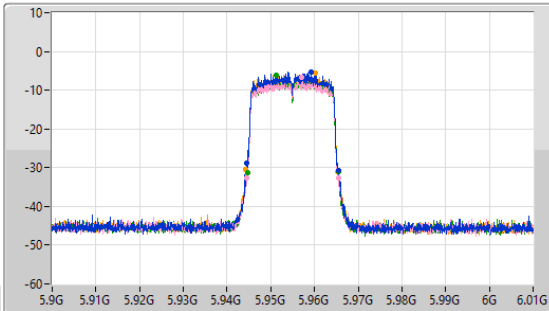
5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

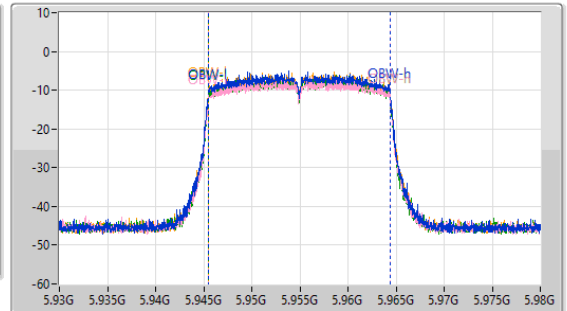
5955MHz

01/03/2023

CF  
5.955GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
5.955GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	5.944495G	5.965505G	18.866M	5.945505G	5.96437G	Inf	1
21.01M	5.94444G	5.96545G	18.866M	5.945505G	5.96437G	Inf	2
20.845M	5.944605G	5.96545G	18.866M	5.945505G	5.96437G	Inf	3
21.065M	5.94433G	5.965395G	18.866M	5.945505G	5.96437G	Inf	4

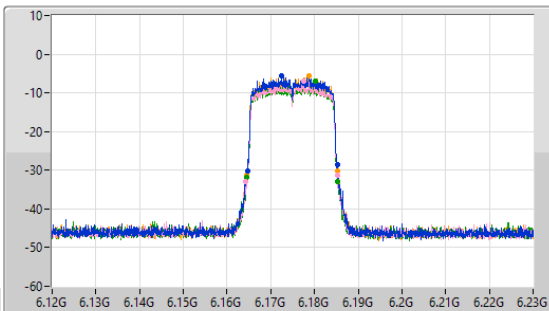
5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

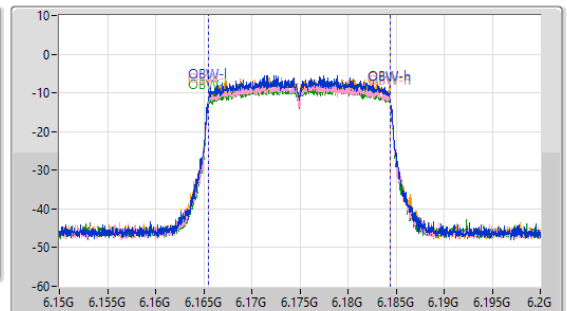
6175MHz

01/03/2023

CF  
6.175GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.175GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



Port 1  
Port 2  
Port 3  
Port 4

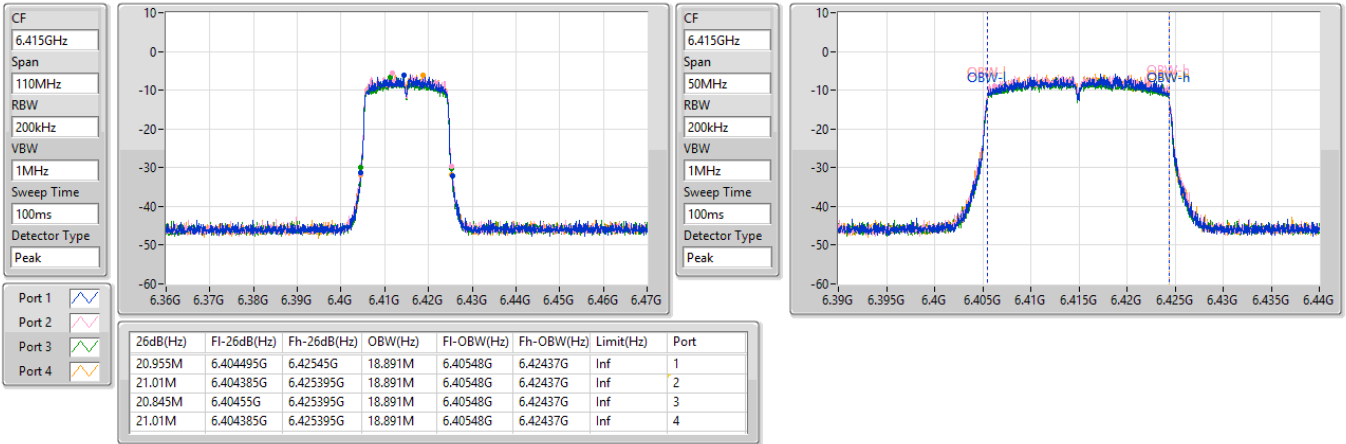
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.164605G	6.18523G	18.866M	6.165505G	6.18437G	Inf	1
21.12M	6.16422G	6.18534G	18.891M	6.165505G	6.184395G	Inf	2
20.845M	6.164495G	6.18534G	18.866M	6.165505G	6.18437G	Inf	3
20.735M	6.164495G	6.18523G	18.891M	6.16548G	6.18437G	Inf	4

5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6415MHz

01/03/2023

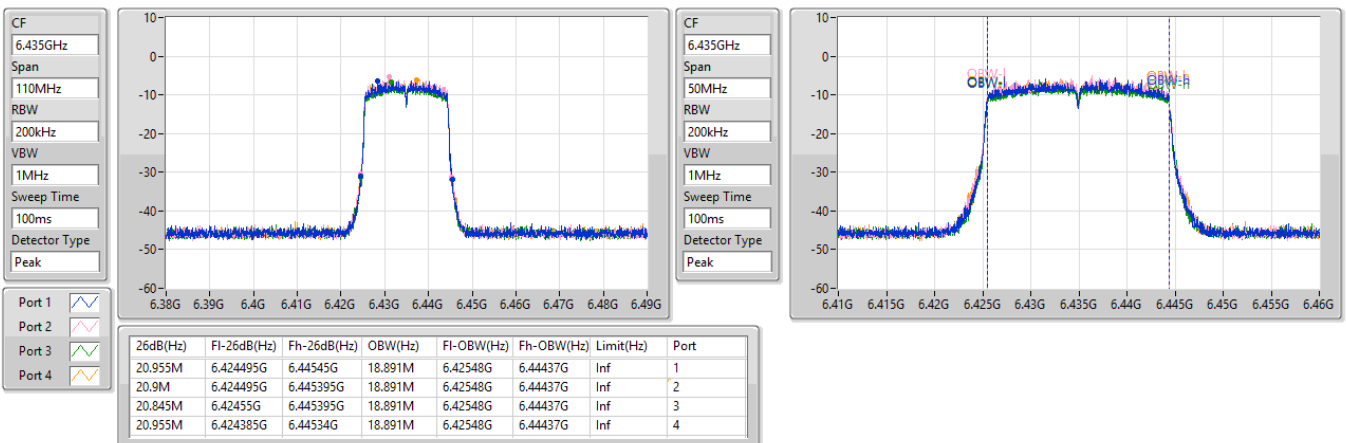


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6435MHz

01/03/2023

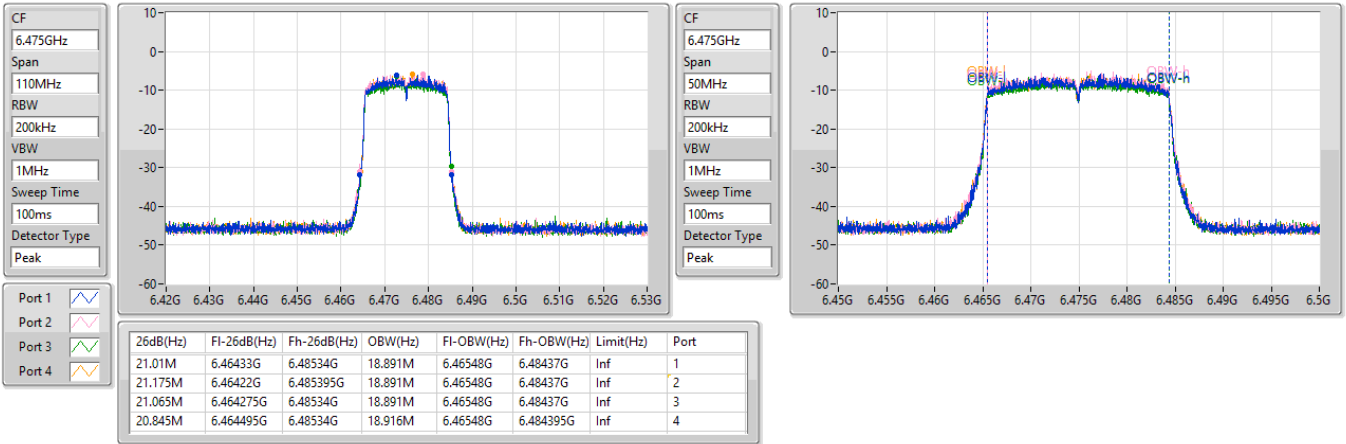


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6475MHz

01/03/2023

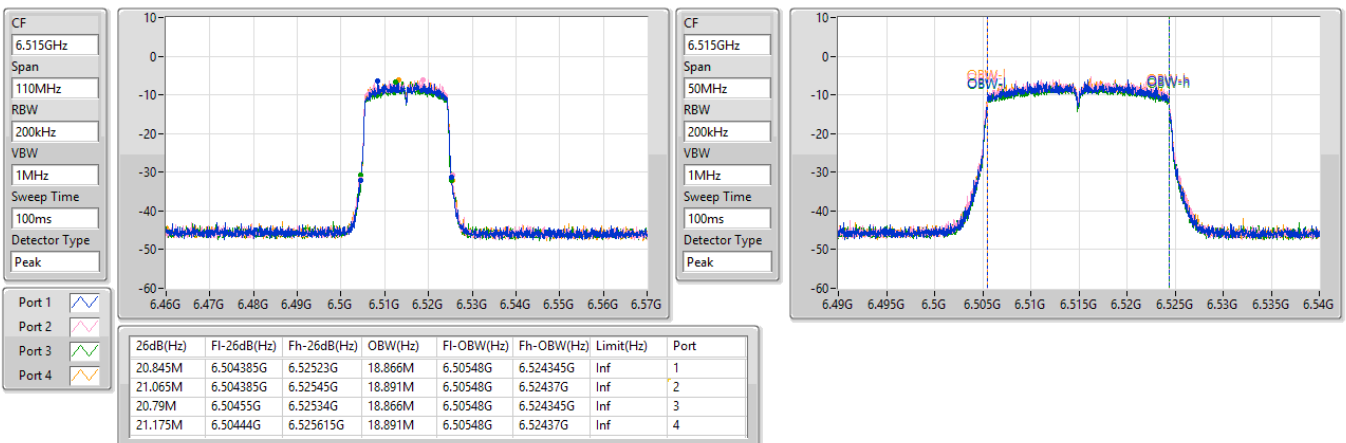


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6515MHz

01/03/2023



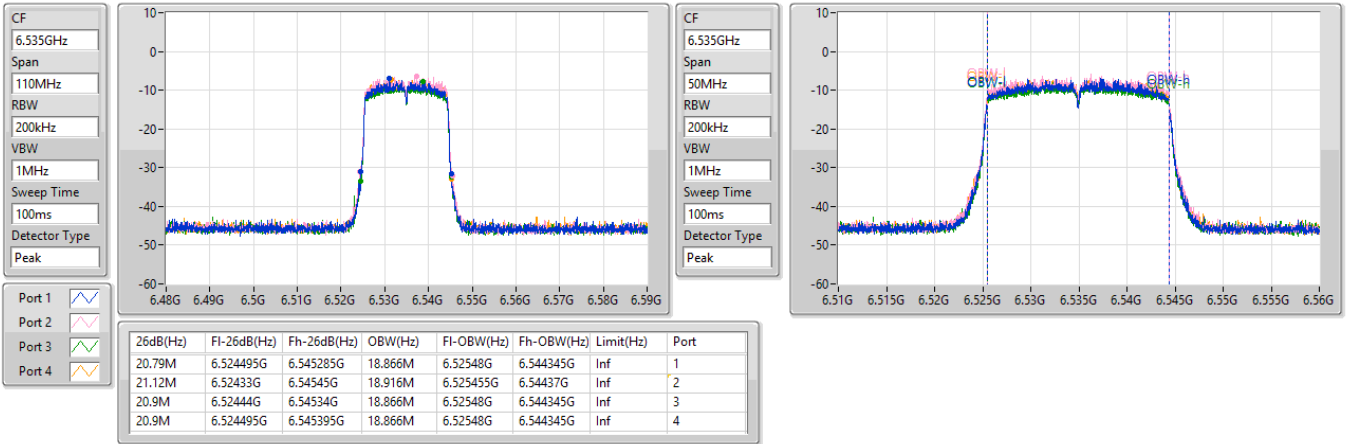


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6535MHz

01/03/2023

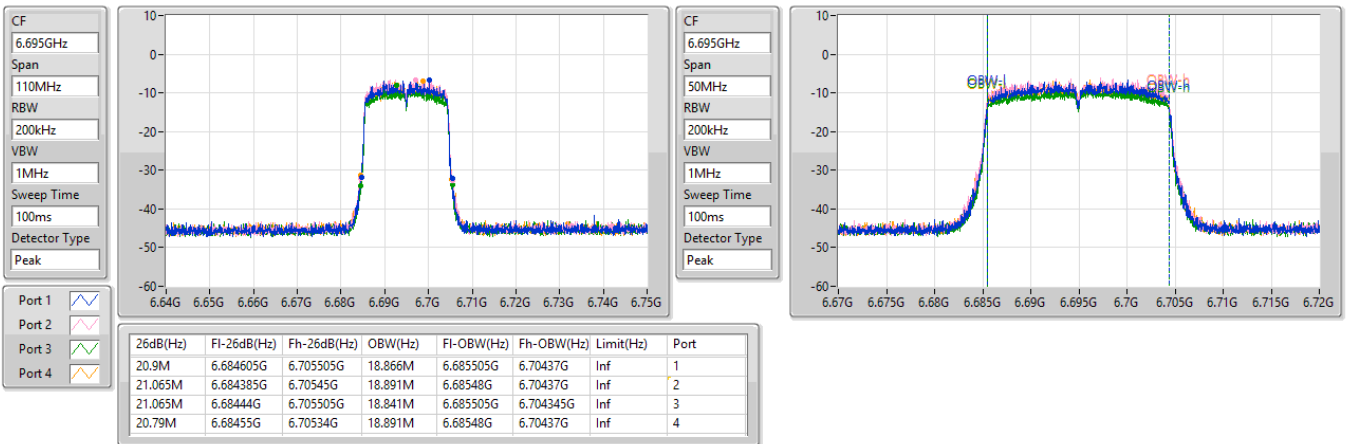


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6695MHz

01/03/2023

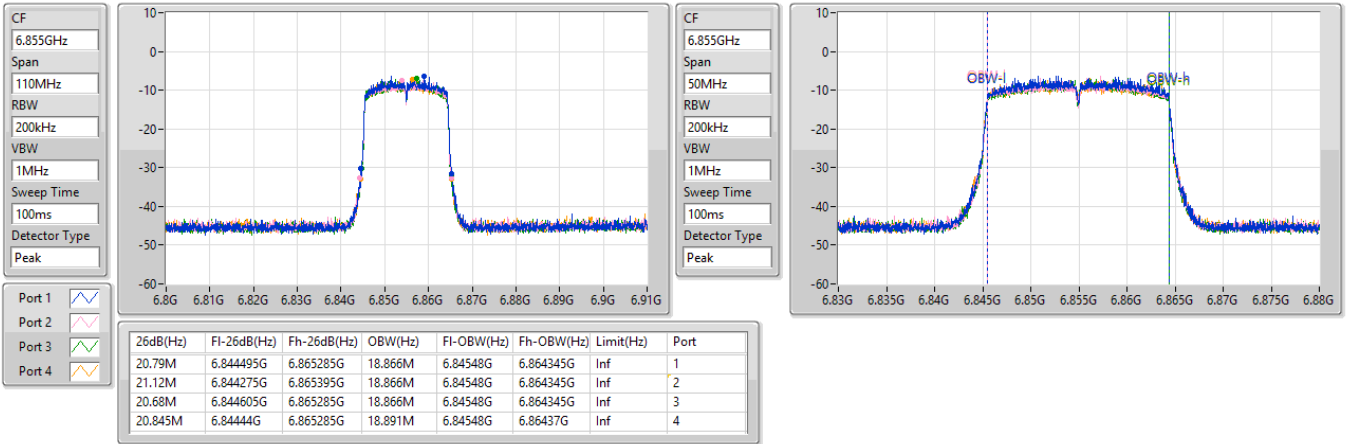


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6855MHz

01/03/2023

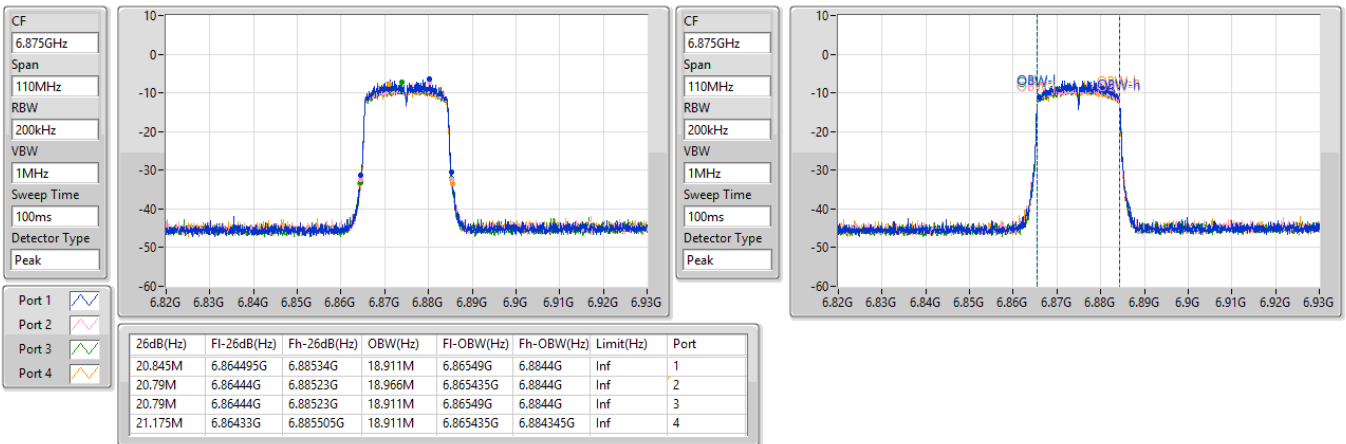


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6875MHz Straddle 6.525-6.875GHz

01/03/2023

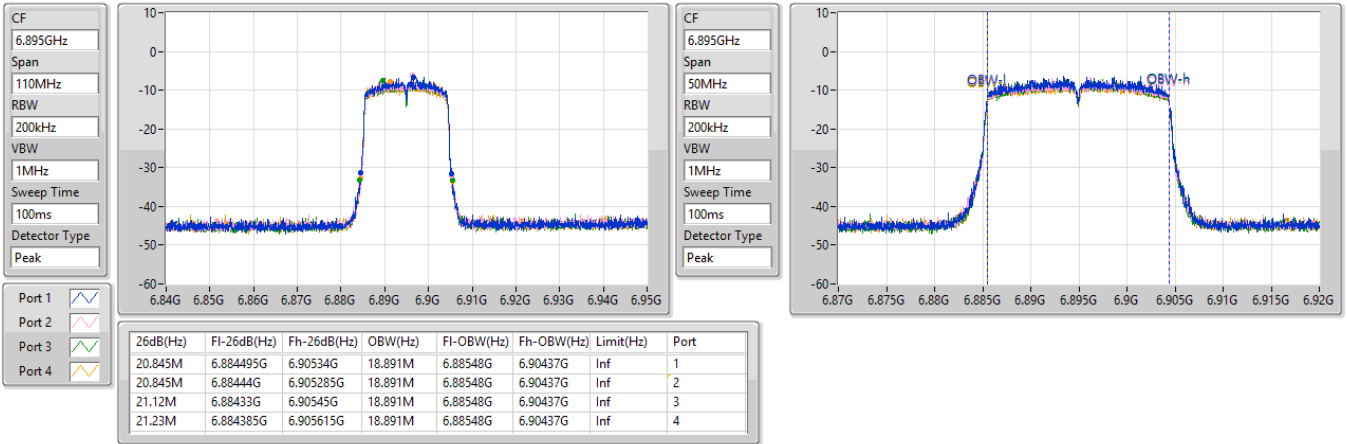


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6895MHz

01/03/2023

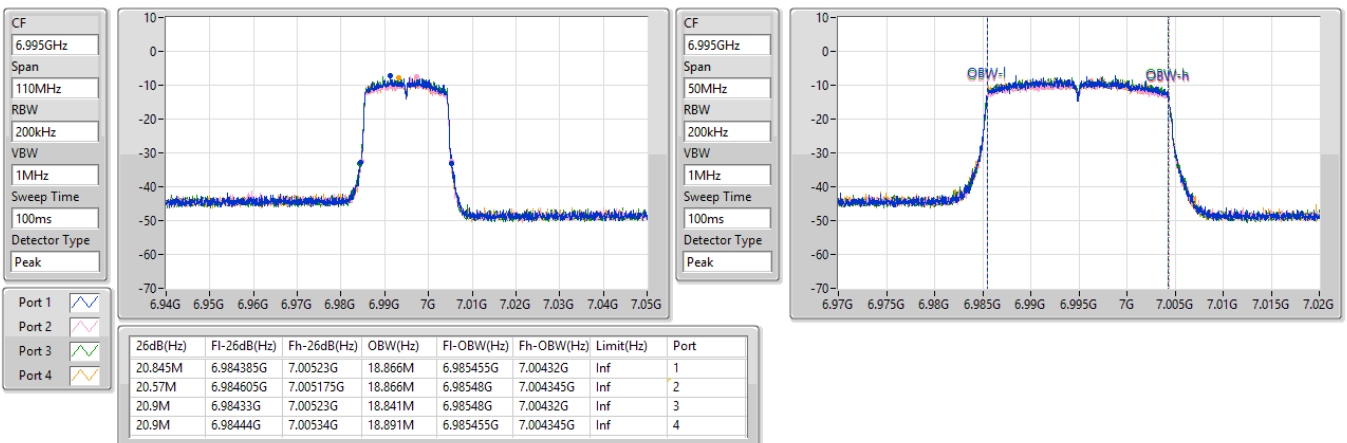


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

6995MHz

01/03/2023

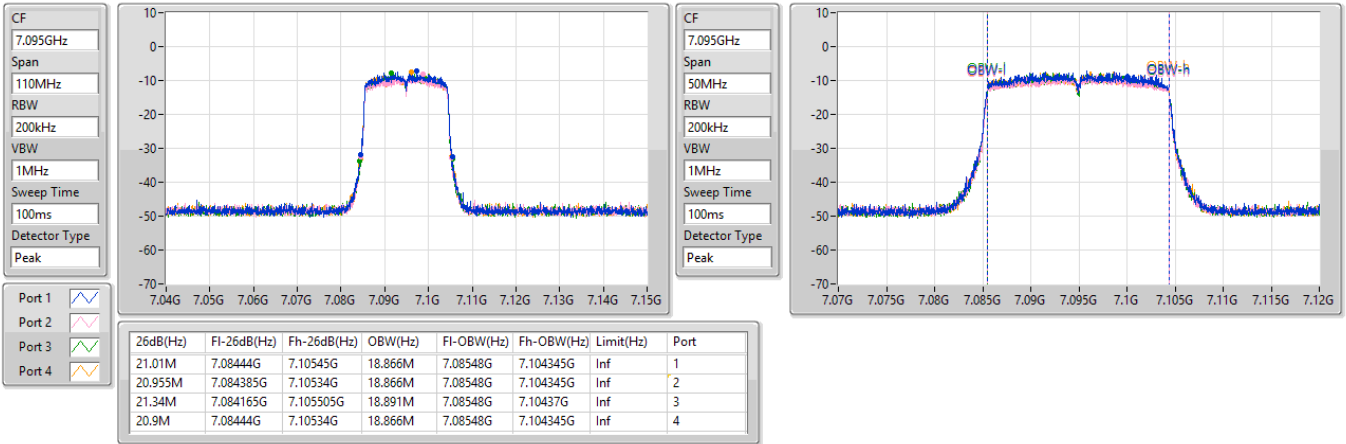


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

7095MHz

01/03/2023

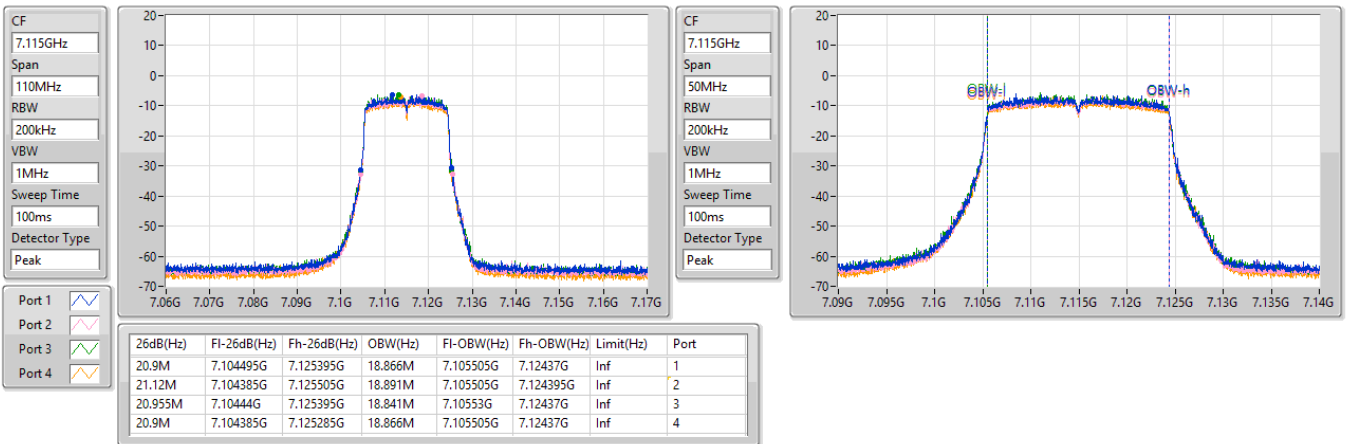


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

7115MHz

06/04/2023

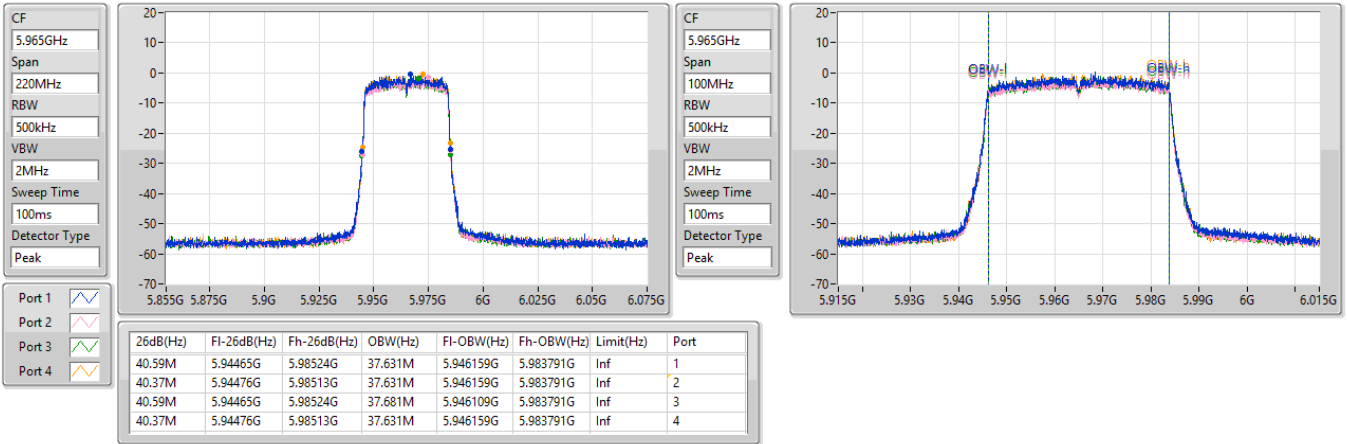


5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

5965MHz

04/03/2023

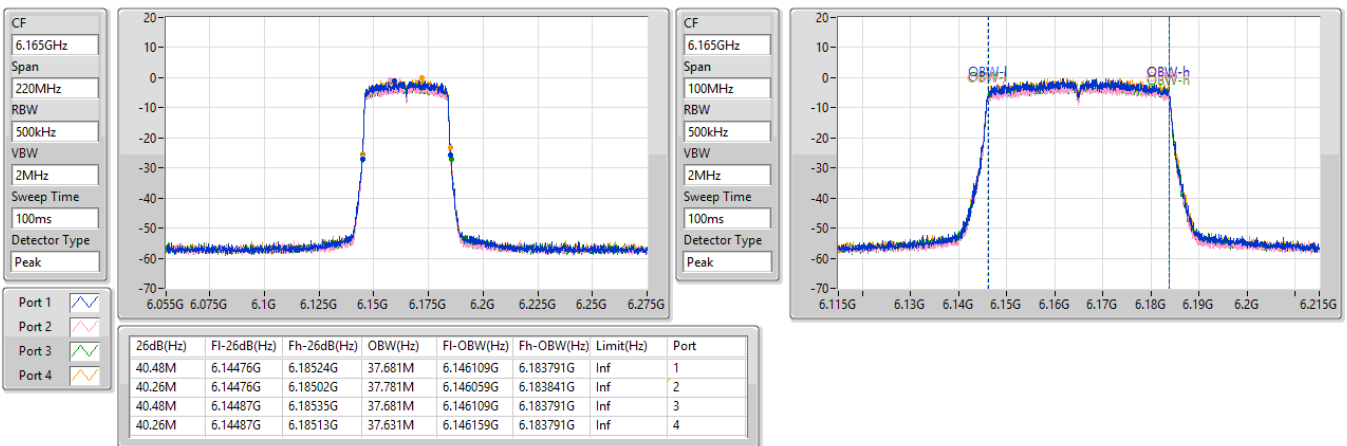


5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6165MHz

04/03/2023

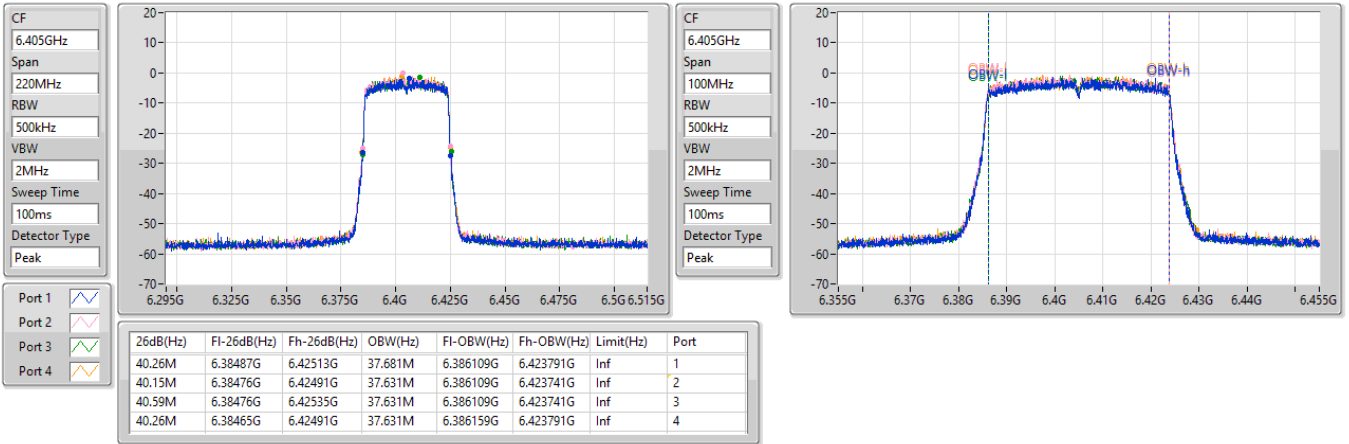


5.925-6.425GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6405MHz

04/03/2023

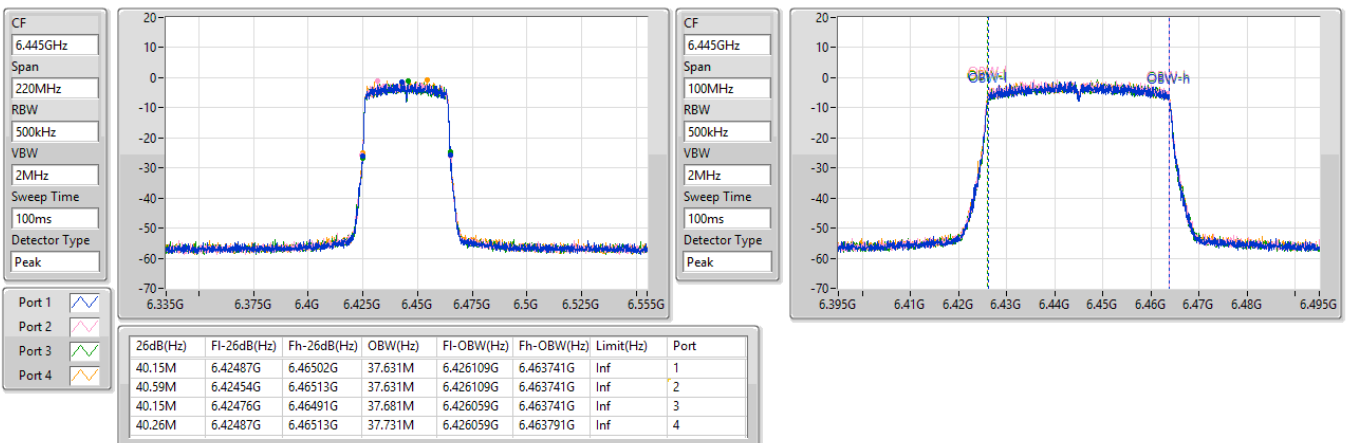


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6445MHz

04/03/2023

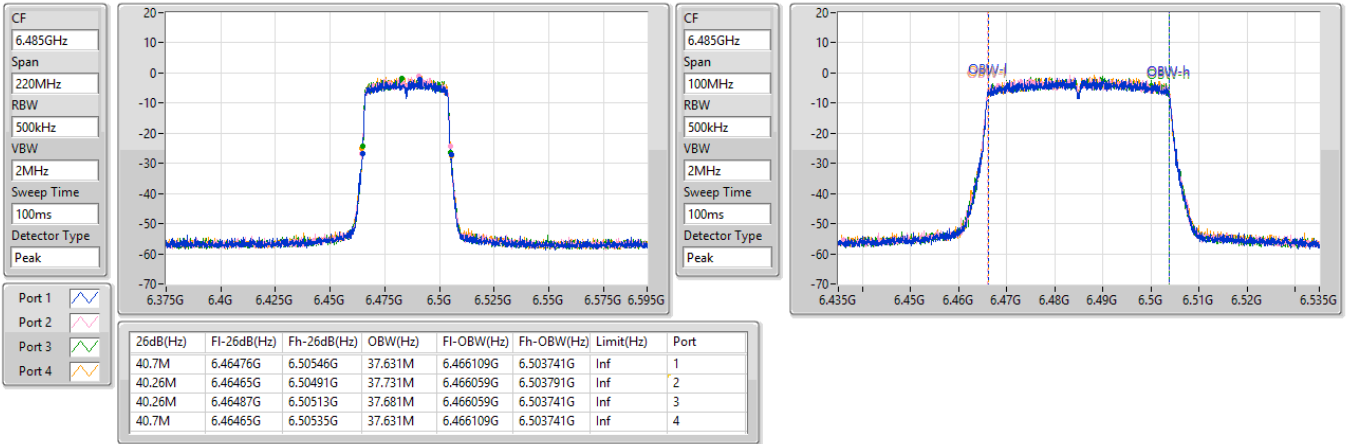


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6485MHz

04/03/2023

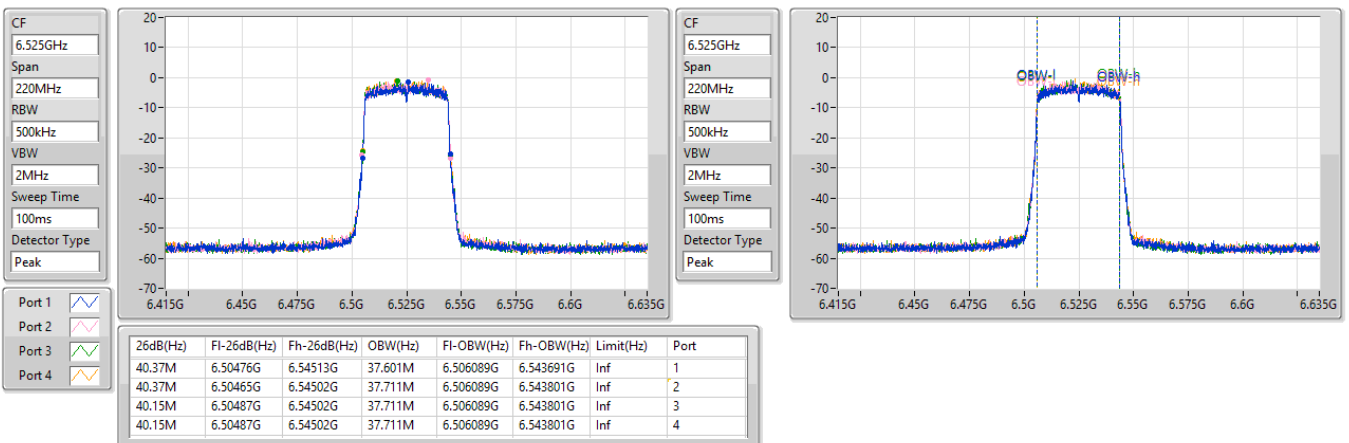


6.425-6.525GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6525MHz Straddle 6.425-6.525GHz

04/03/2023

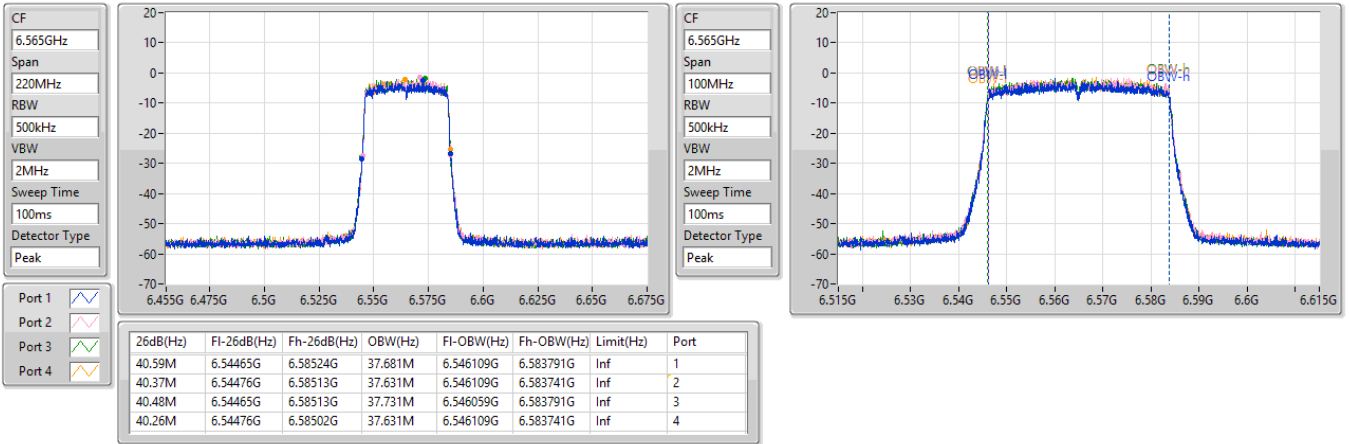


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6565MHz

04/03/2023

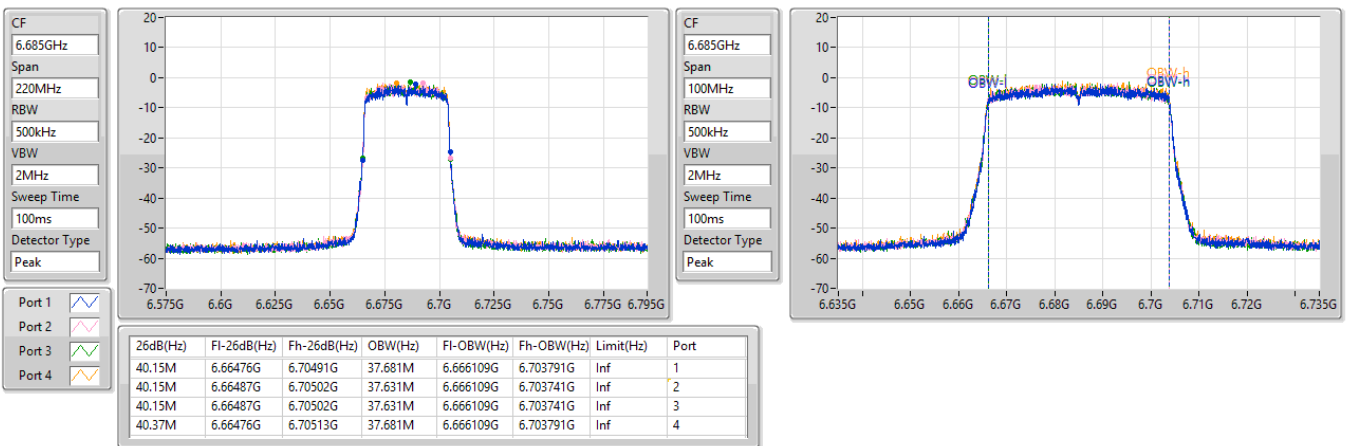


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6685MHz

04/03/2023



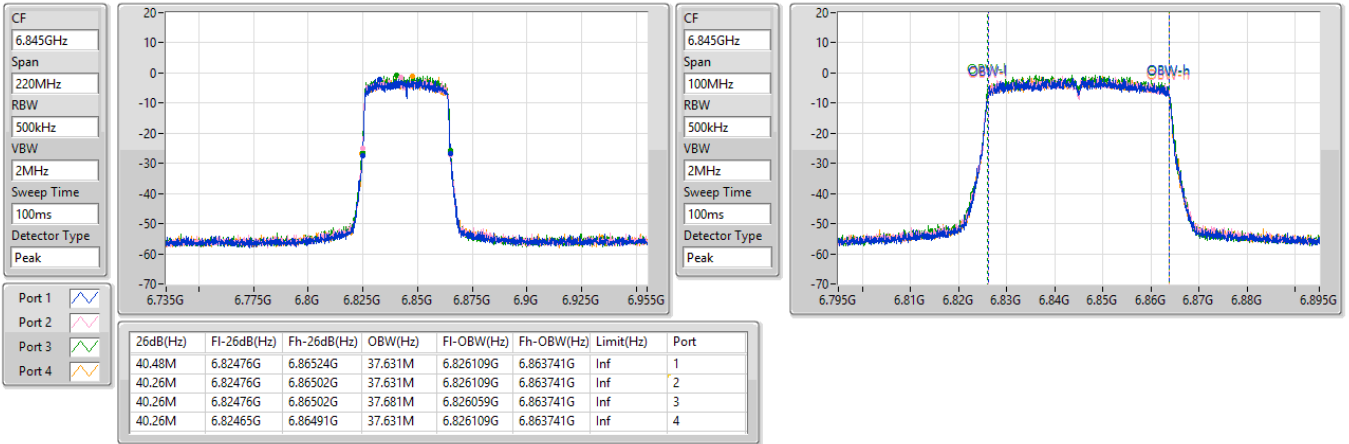


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6845MHz

04/03/2023

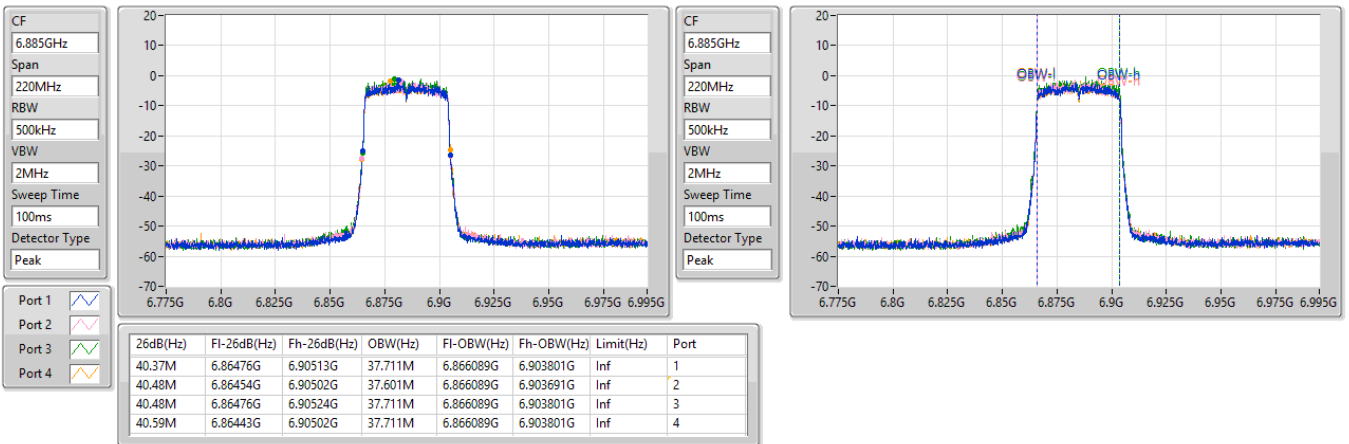


6.525-6.875GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6885MHz Straddle 6.525-6.875GHz

04/03/2023

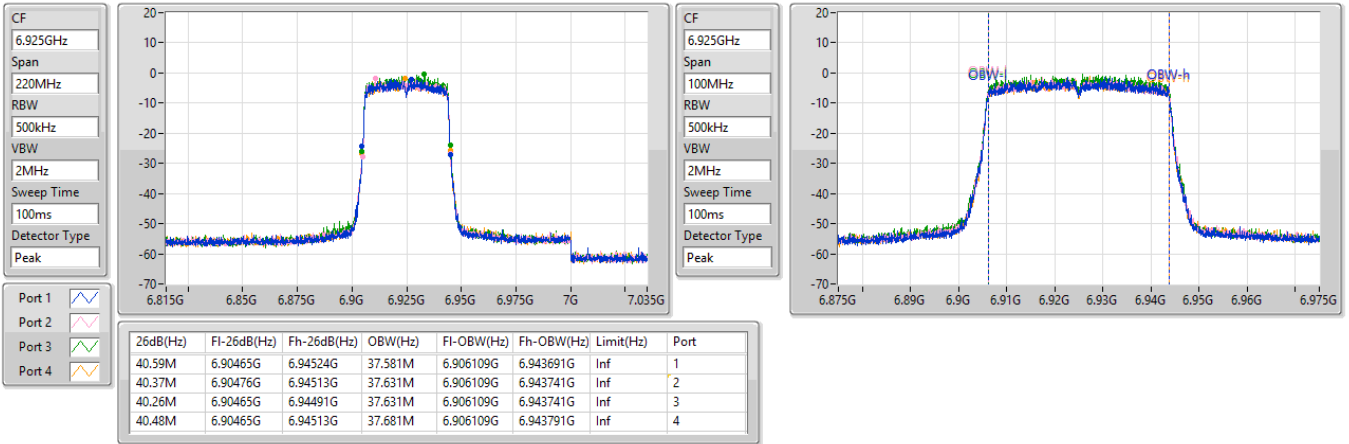


6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

6925MHz

04/03/2023

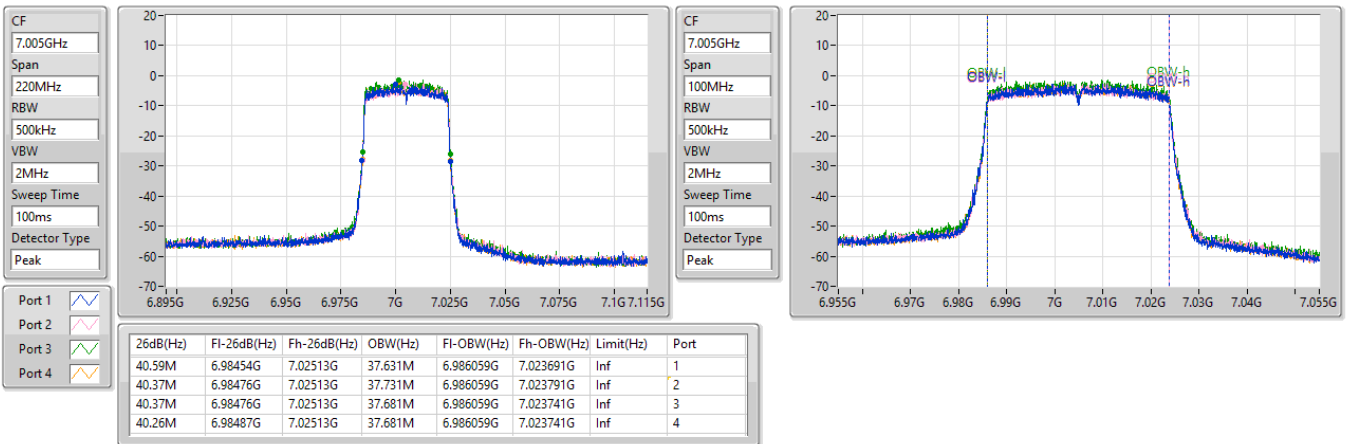


6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

7005MHz

04/03/2023

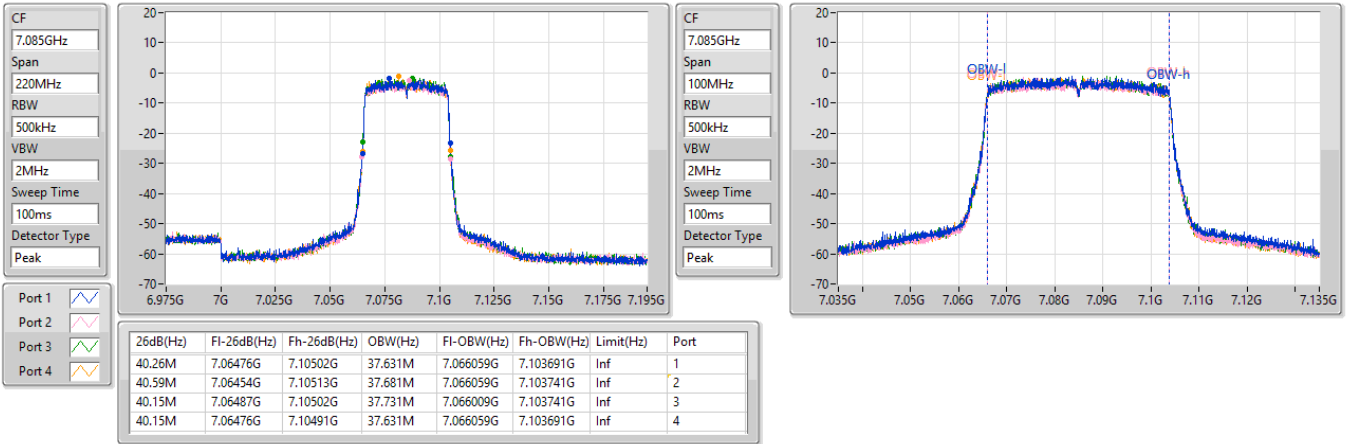


6.875-7.125GHz\_802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

7085MHz

04/03/2023

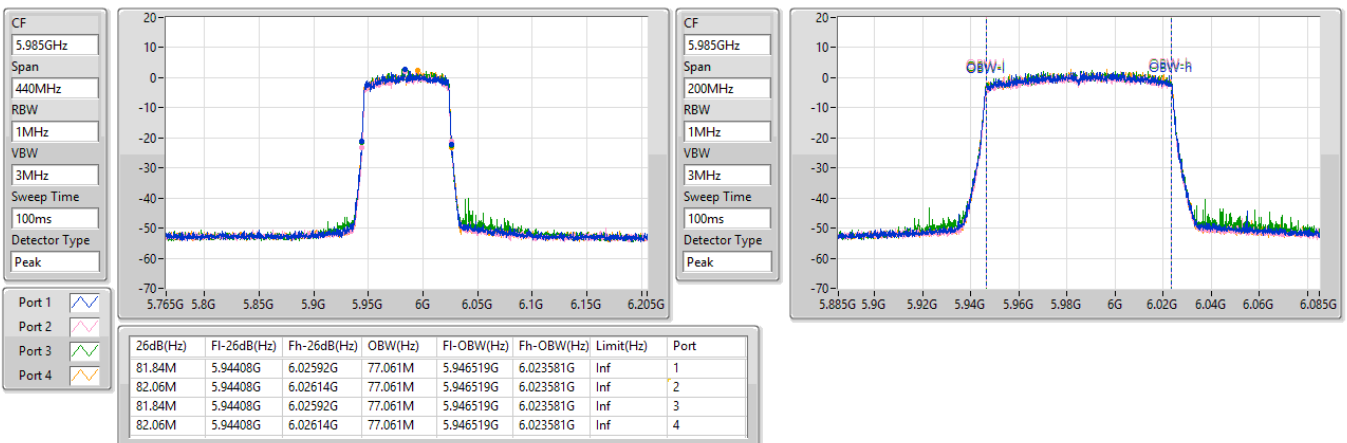


5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

5985MHz

04/03/2023

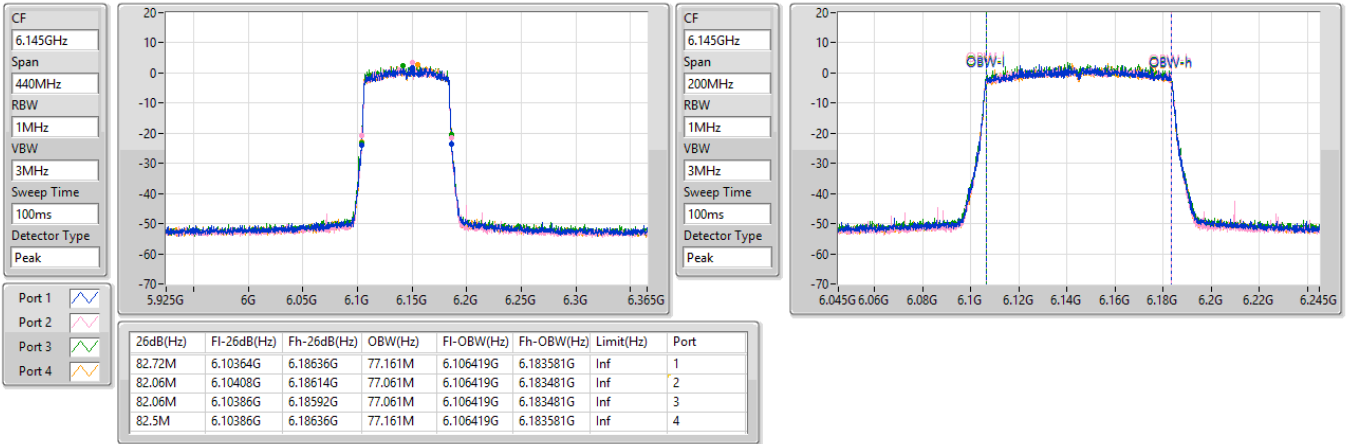


5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6145MHz

04/03/2023

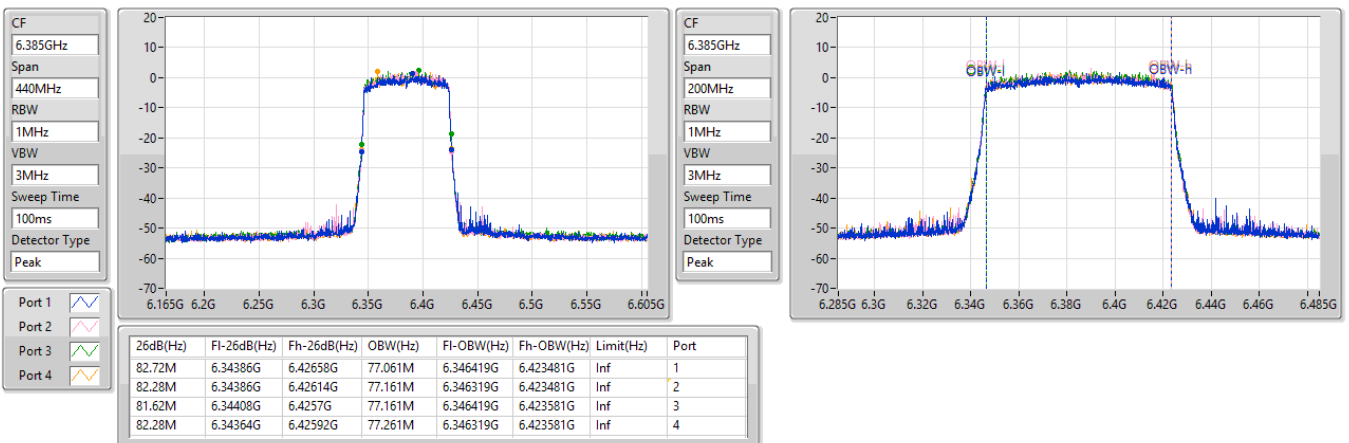


5.925-6.425GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6385MHz

04/03/2023

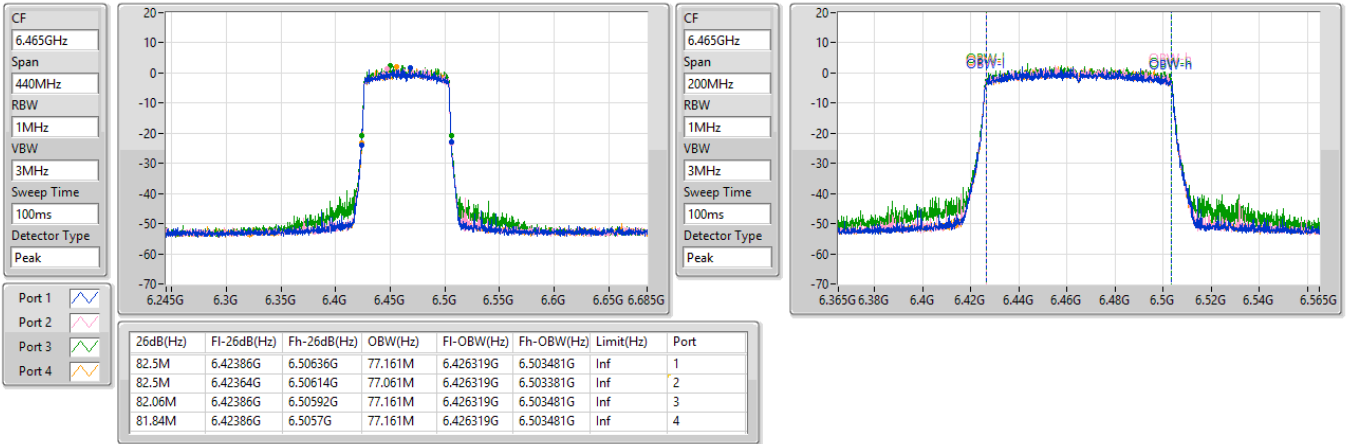


6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6465MHz

04/03/2023

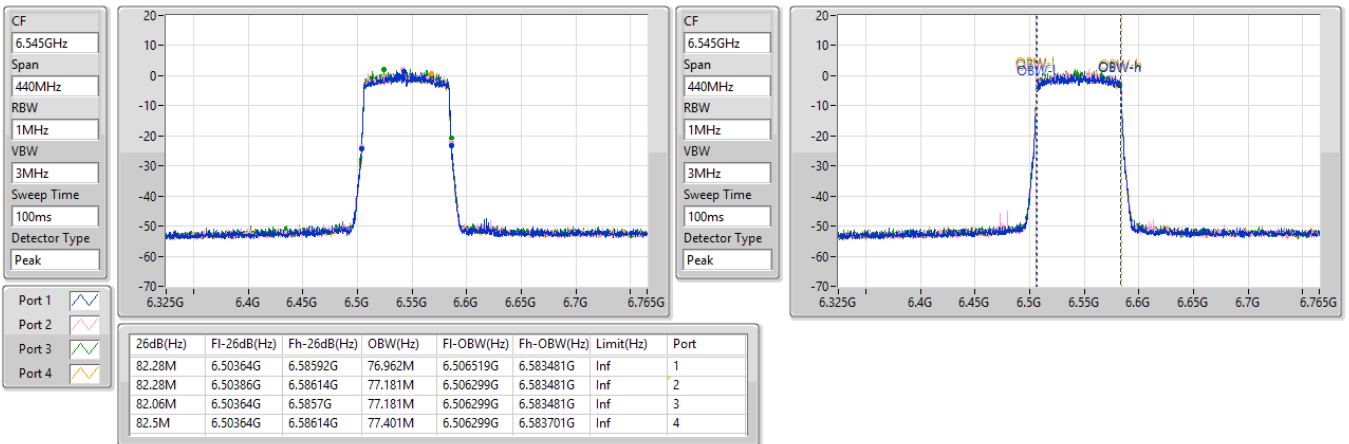


6.425-6.525GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6545MHz Straddle 6.425-6.525GHz

04/03/2023

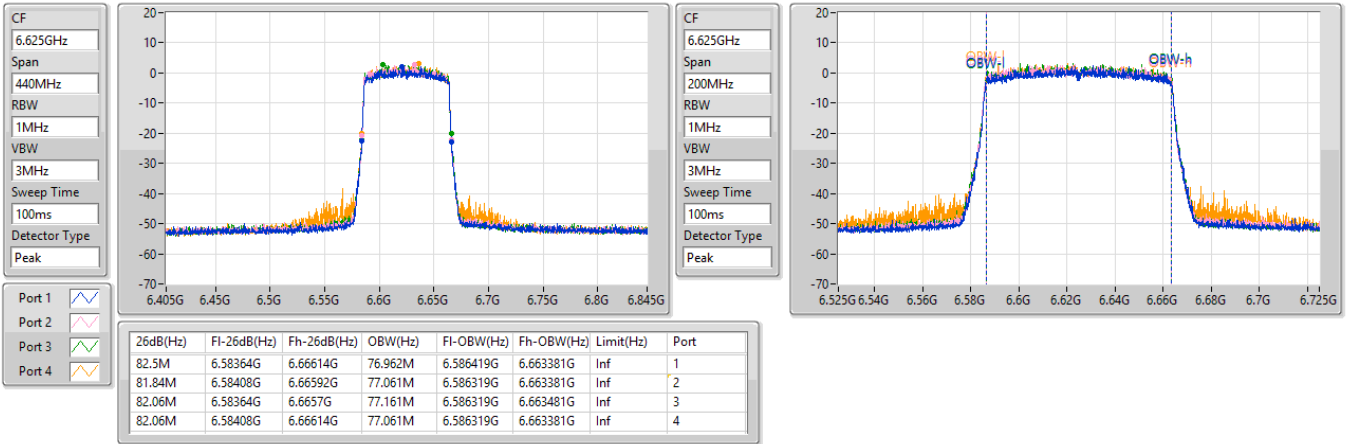


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6625MHz

04/03/2023

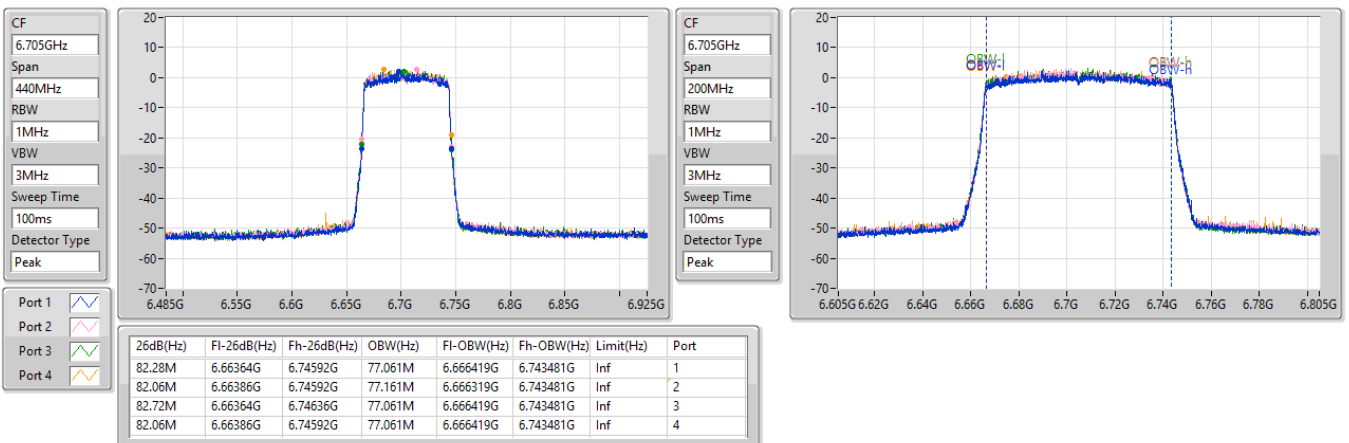


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6705MHz

04/03/2023

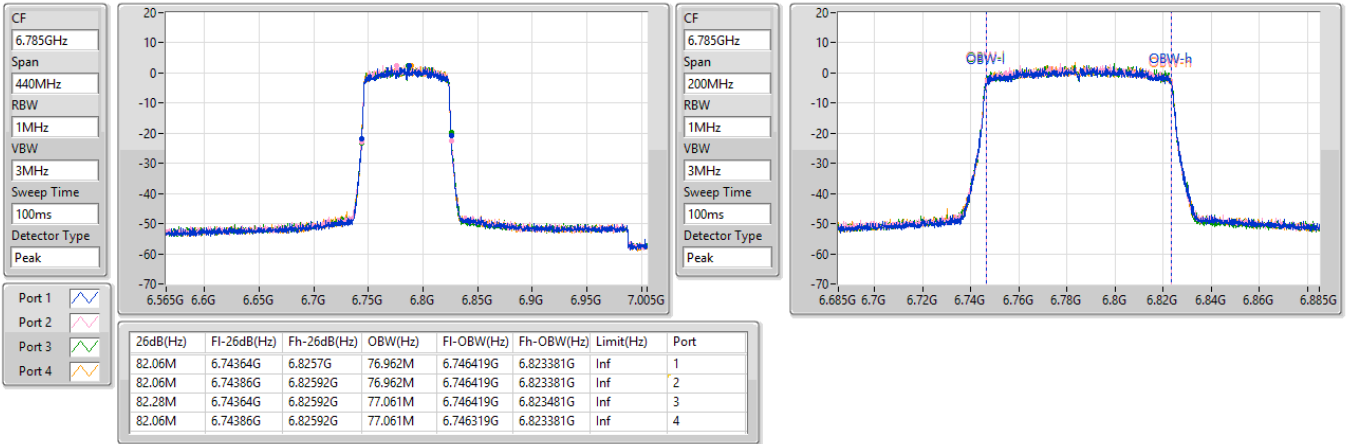


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6785MHz

04/03/2023

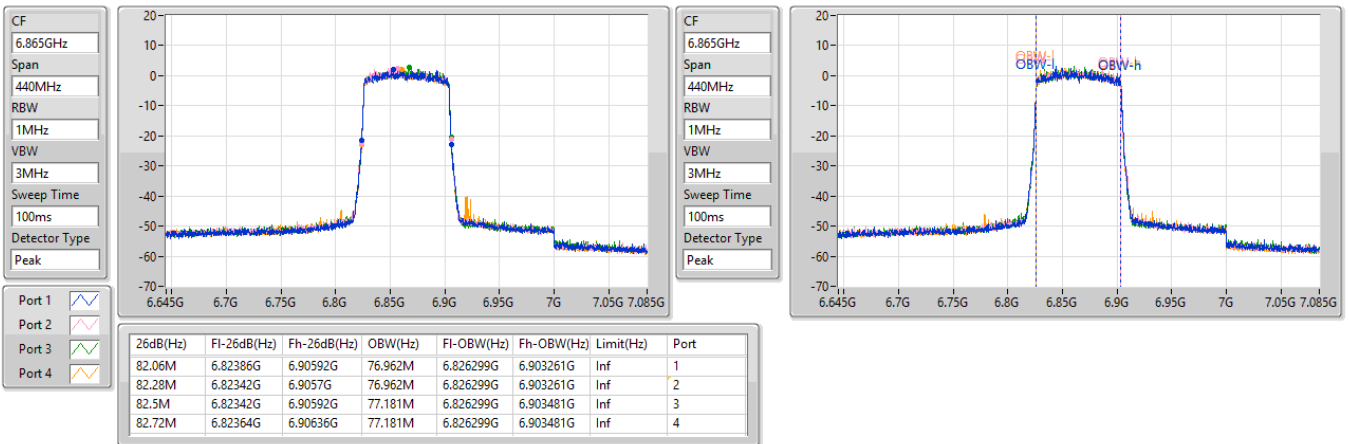


6.525-6.875GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6865MHz Straddle 6.525-6.875GHz

04/03/2023

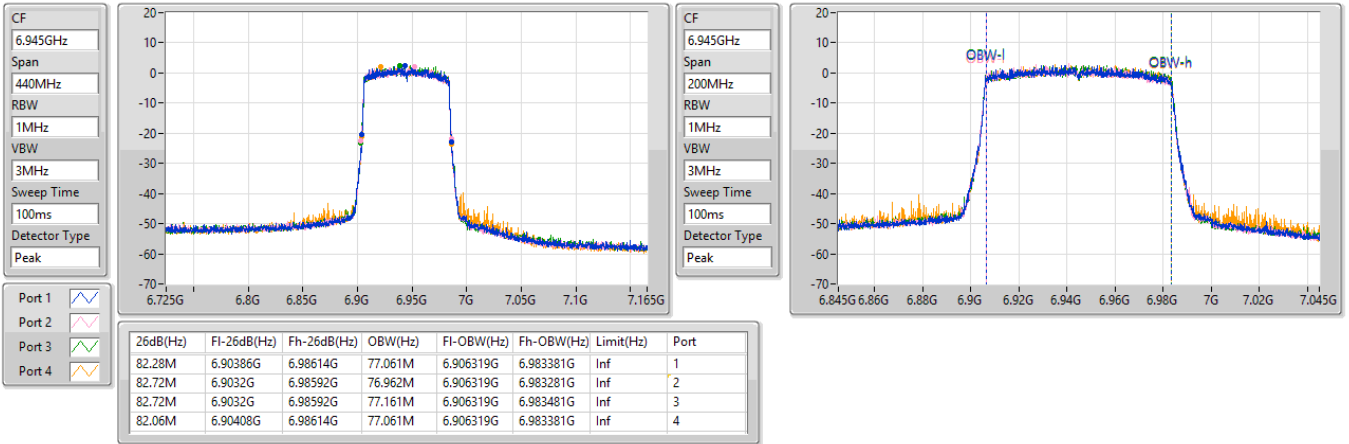


6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

6945MHz

04/03/2023

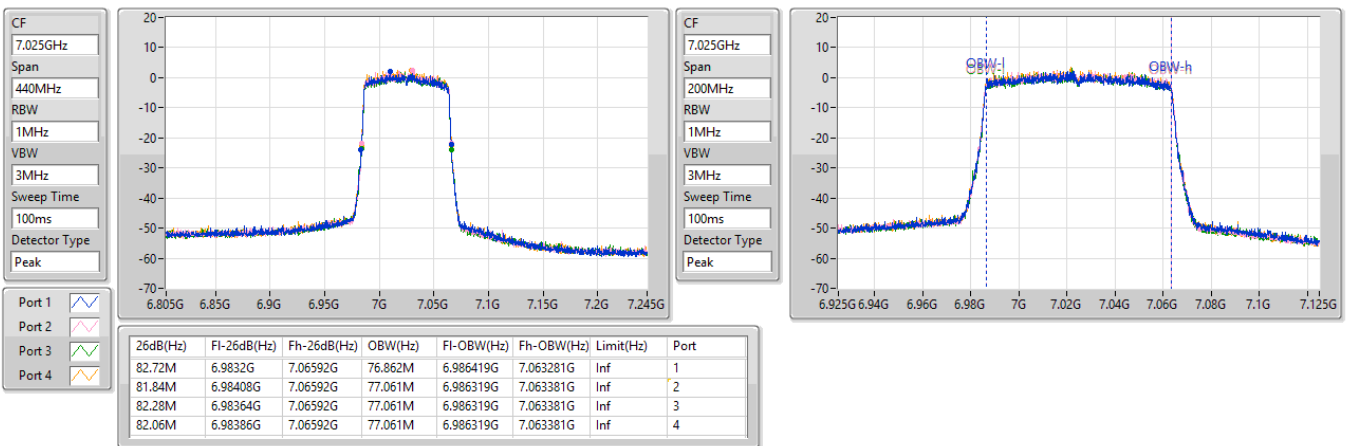


6.875-7.125GHz\_802.11ax HEW80\_Nss1,(MCS0)\_4TX

EBW

7025MHz

04/03/2023



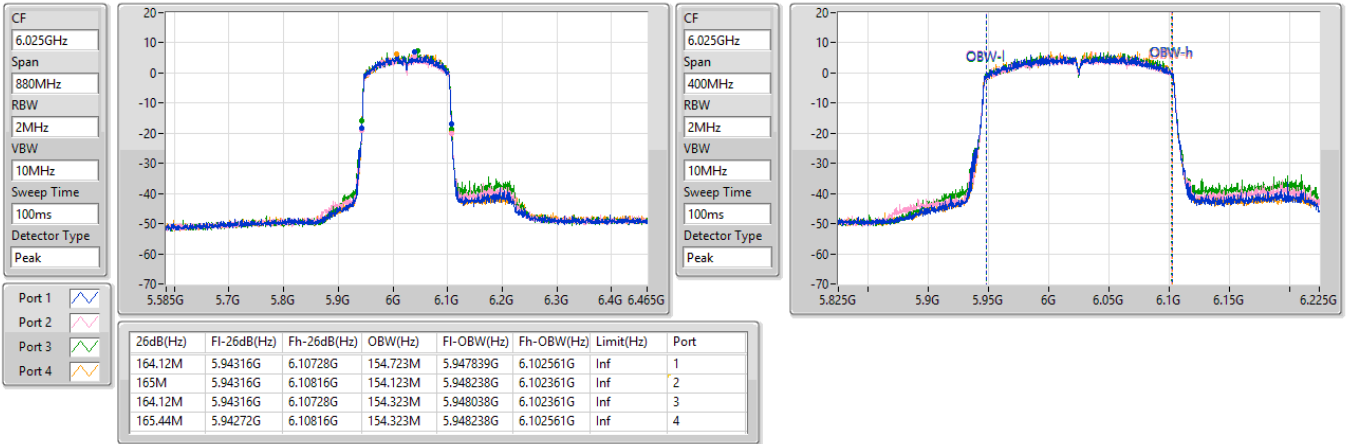


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6025MHz

04/03/2023

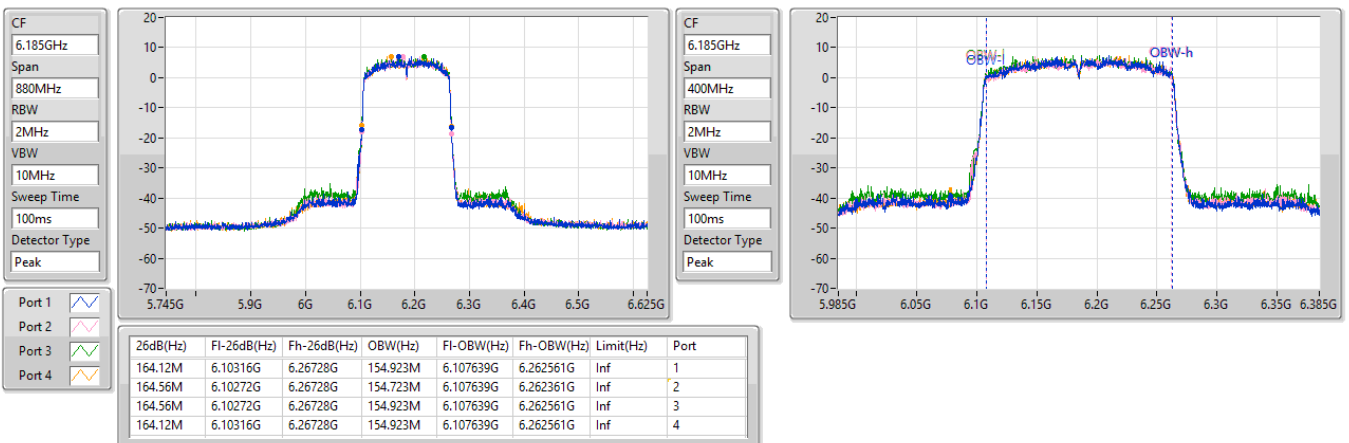


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6185MHz

04/03/2023

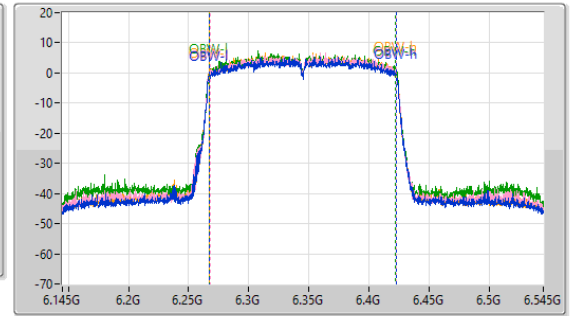
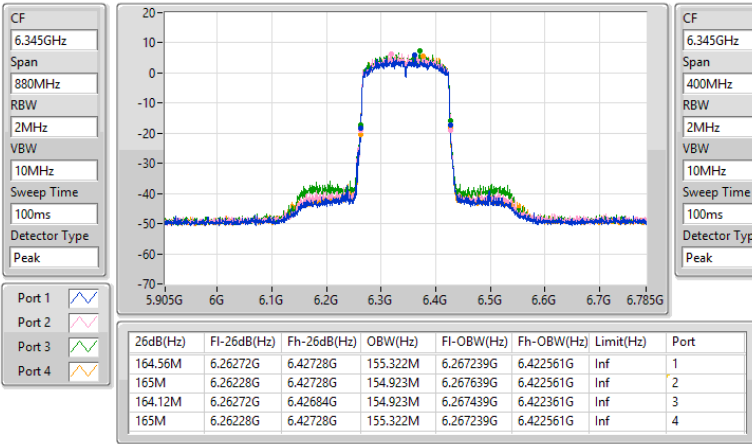


5.925-6.425GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6345MHz

04/03/2023

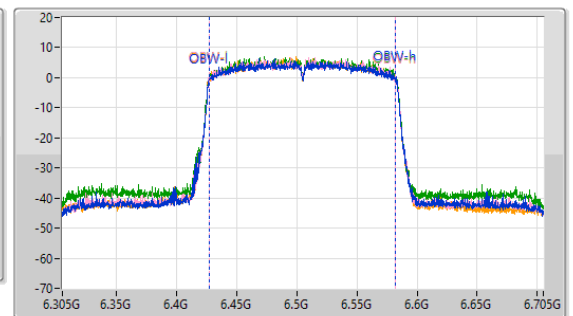
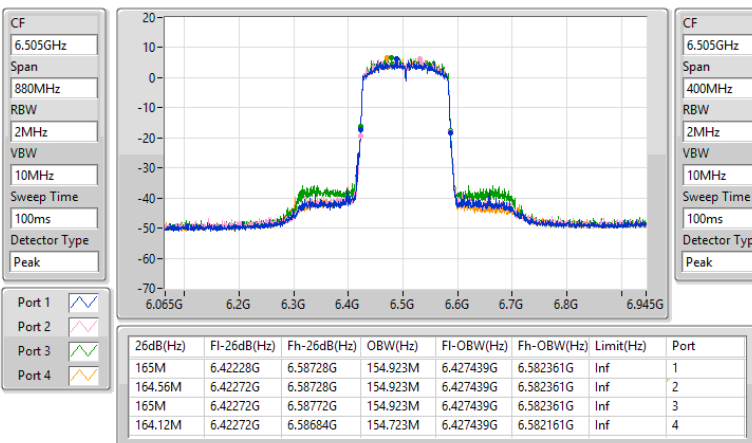


6.425-6.525GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6505MHz

04/03/2023

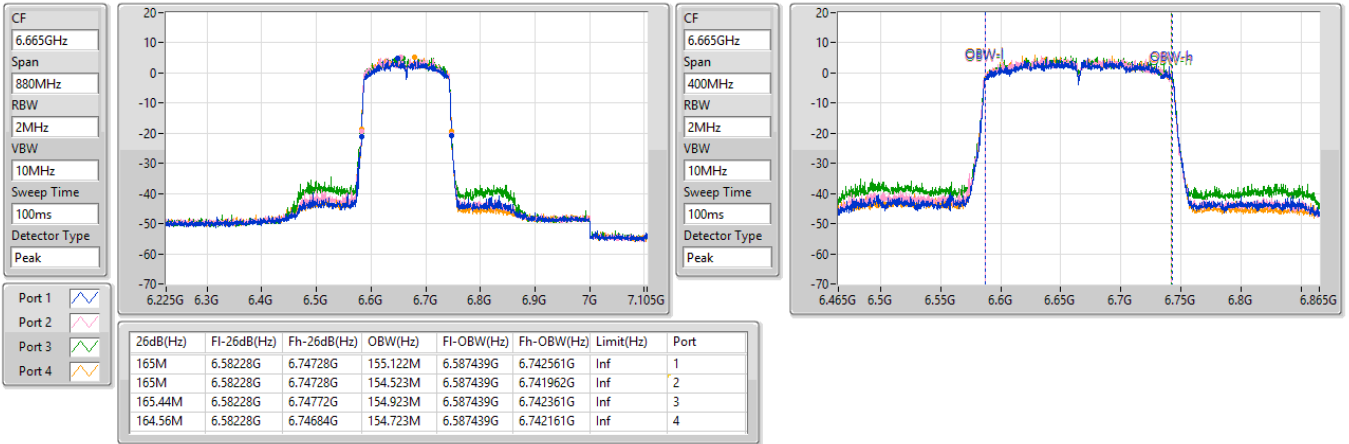


6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6665MHz

04/03/2023

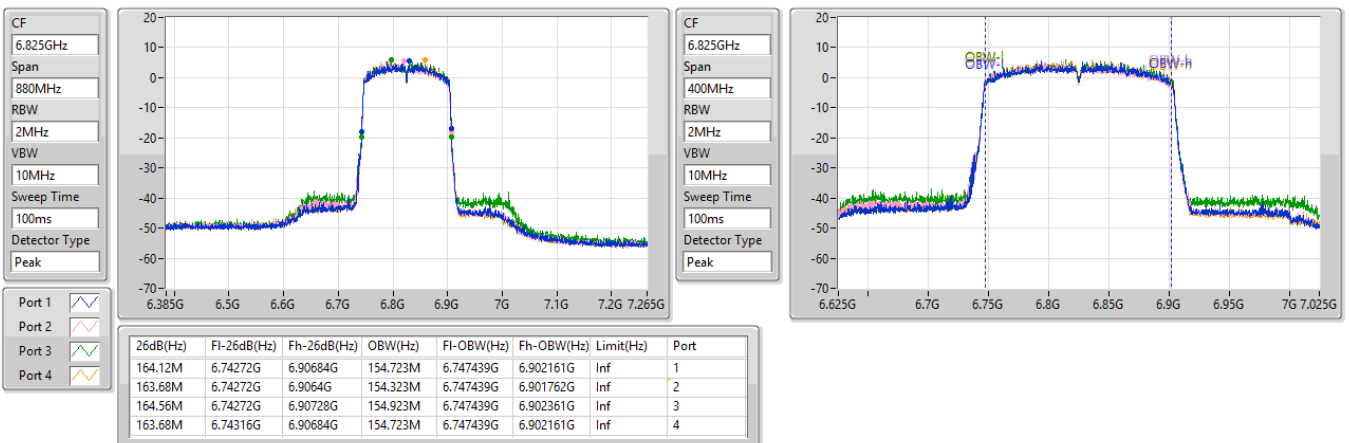


6.525-6.875GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6825MHz

04/03/2023

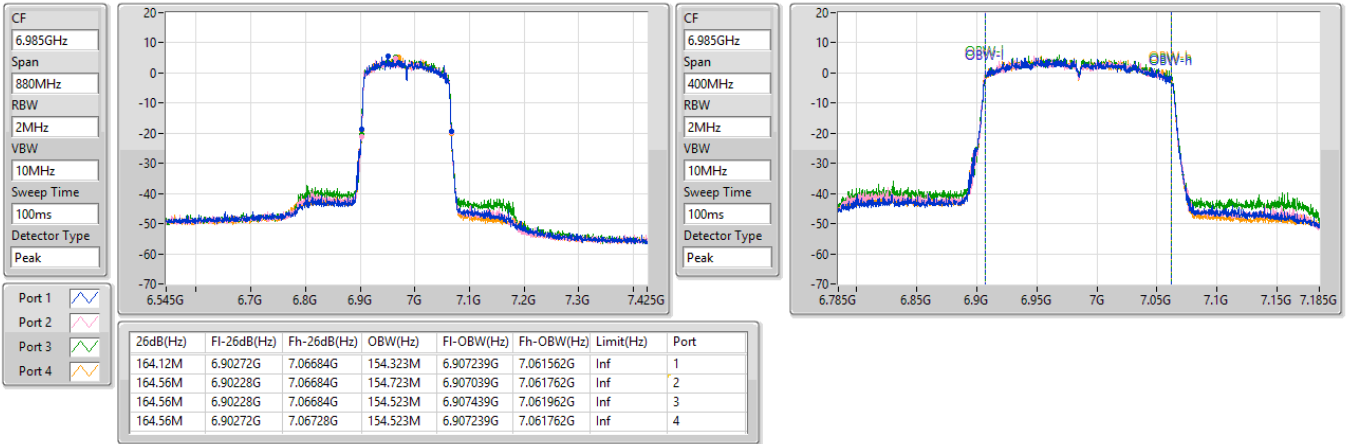


6.875-7.125GHz\_802.11ax HEW160\_Nss1,(MCS0)\_4TX

EBW

6985MHz

04/03/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.9M	18.891M	18M9D1D	20.845M	18.866M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.955M	18.891M	18M9D1D	20.79M	18.866M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.01M	18.866M	18M9D1D	20.79M	18.856M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.34M	18.891M	18M9D1D	20.68M	18.866M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	20.845M	18.866M
6175MHz	Pass	Inf	20.9M	18.866M
6415MHz	Pass	Inf	20.9M	18.891M
6435MHz	Pass	Inf	20.955M	18.866M
6475MHz	Pass	Inf	20.79M	18.866M
6515MHz	Pass	Inf	20.845M	18.891M
6535MHz	Pass	Inf	20.955M	18.866M
6695MHz	Pass	Inf	21.01M	18.866M
6855MHz	Pass	Inf	20.79M	18.866M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.79M	18.856M
6875MHz Straddle 6.875-7.125GHz				
6895MHz	Pass	Inf	21.01M	18.891M
6995MHz	Pass	Inf	21.01M	18.866M
7095MHz	Pass	Inf	20.68M	18.866M
7115MHz	Pass	Inf	21.34M	18.866M

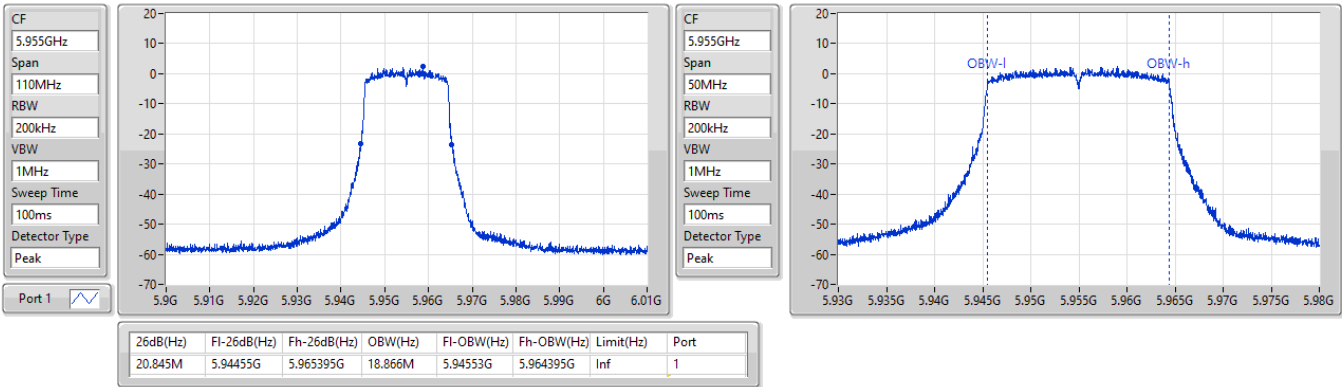
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band  
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

5955MHz

10/04/2023

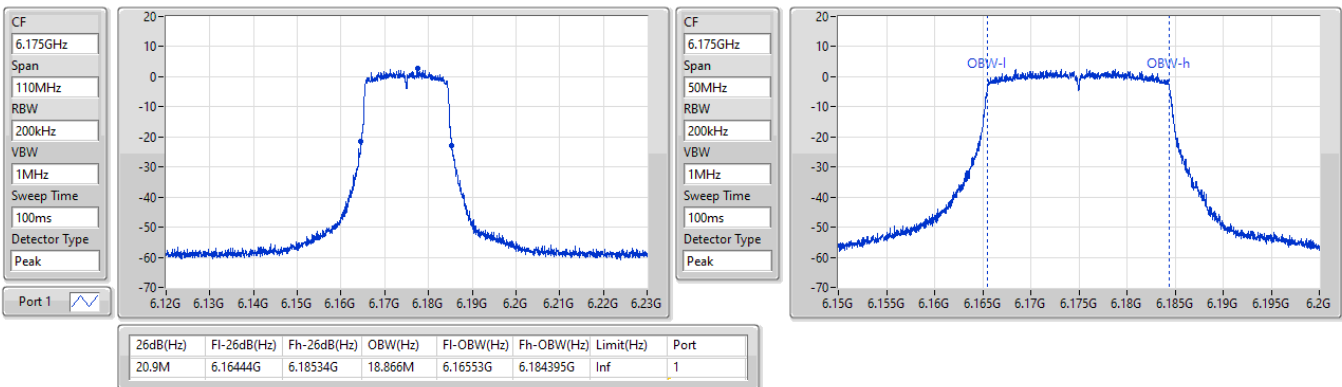


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6175MHz

10/04/2023

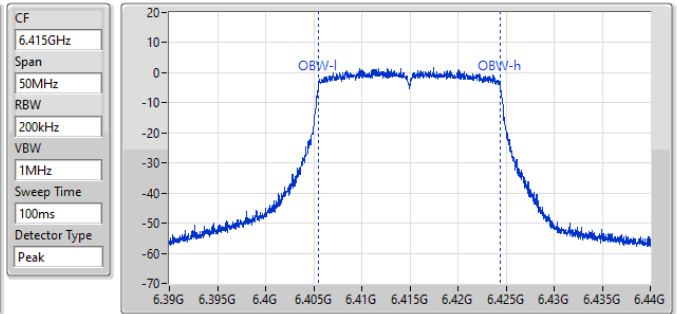
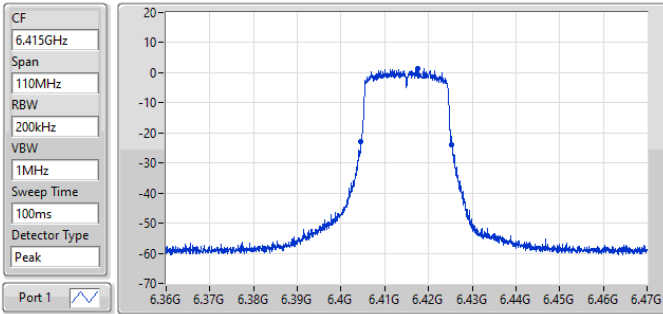


5.925-6.425GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6415MHz

10/04/2023



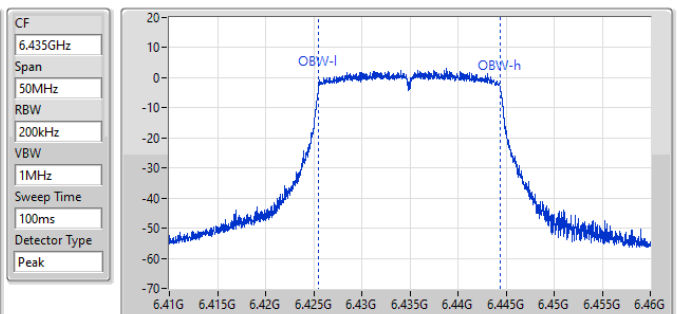
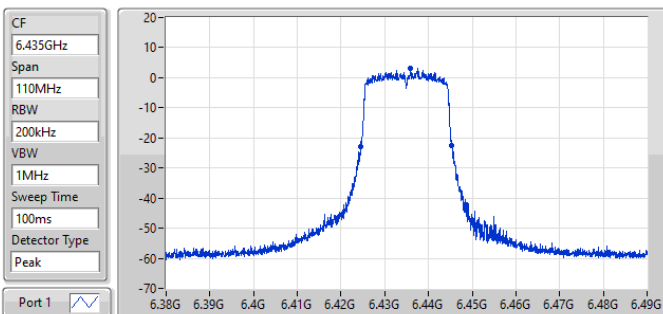
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.404495G	6.425395G	18.891M	6.405505G	6.424395G	Inf	1

6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6435MHz

10/04/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	6.42444G	6.445395G	18.866M	6.42553G	6.444395G	Inf	1

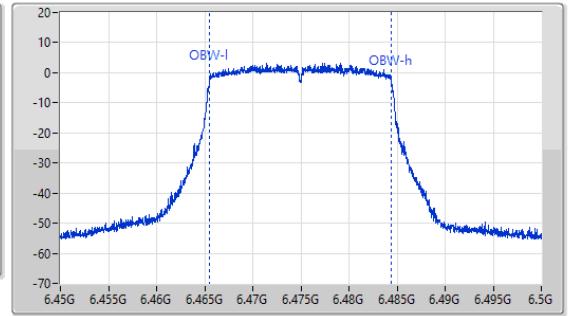
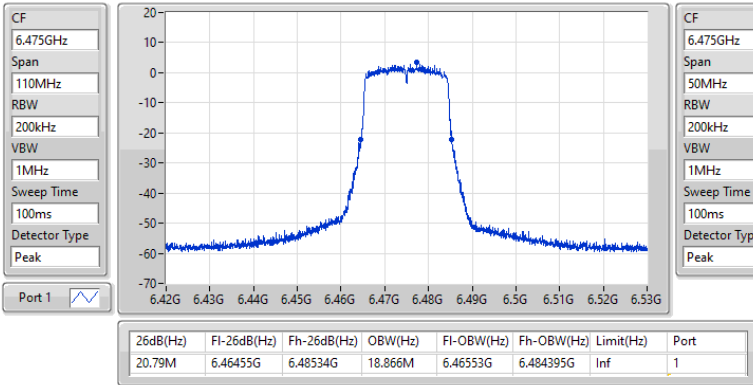


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6475MHz

10/04/2023

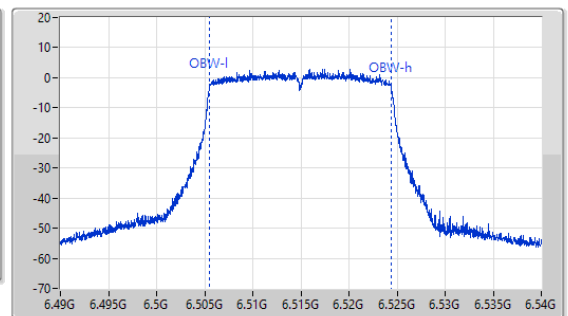
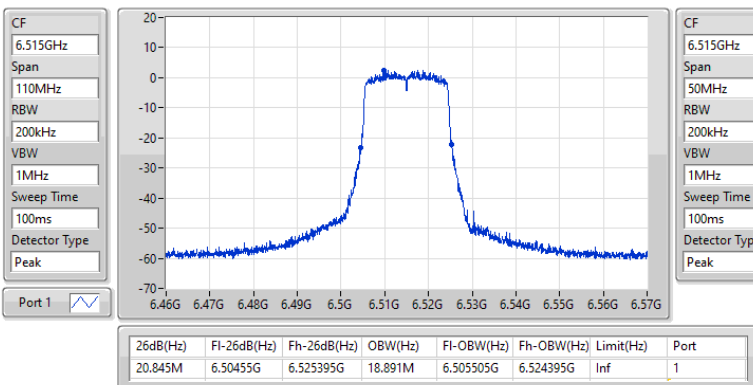


6.425-6.525GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6515MHz

10/04/2023



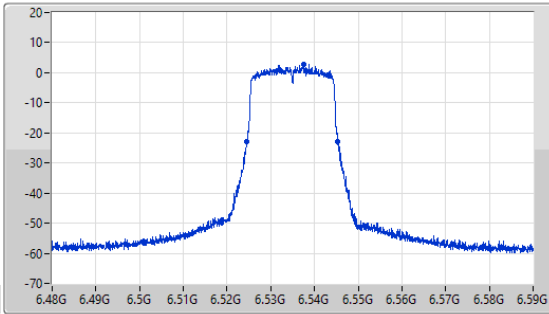
6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

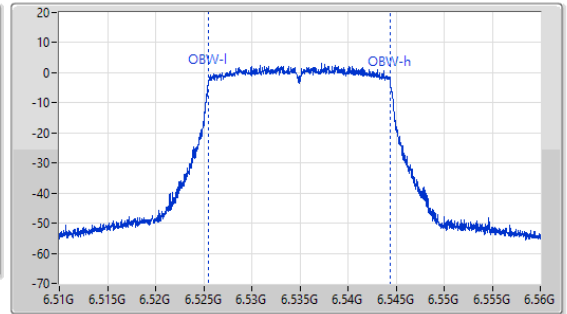
6535MHz

10/04/2023

CF  
6.535GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.535GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.955M	6.52444G	6.545395G	18.866M	6.52553G	6.544395G	Inf	1

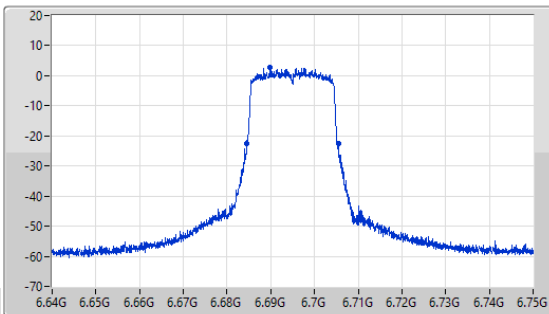
6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

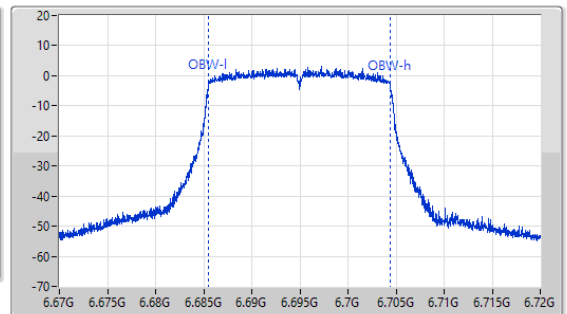
6695MHz

10/04/2023

CF  
6.695GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.695GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



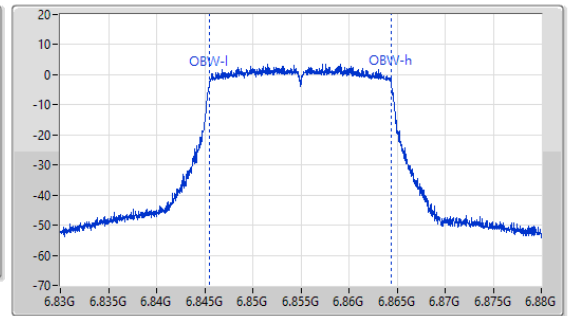
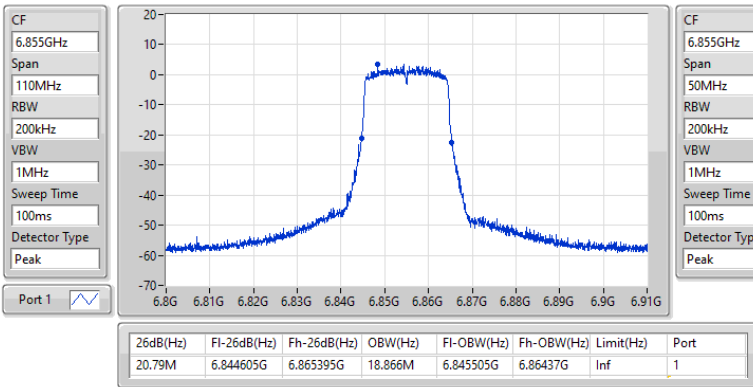
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.68444G	6.70545G	18.866M	6.68553G	6.704395G	Inf	1

6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6855MHz

10/04/2023

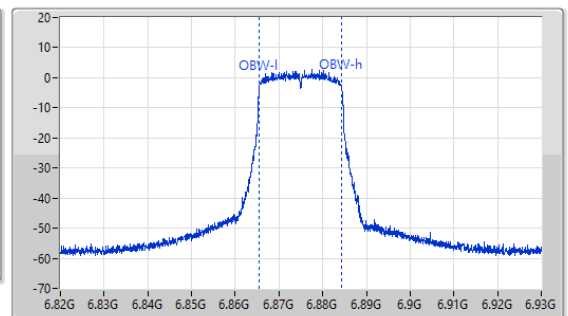
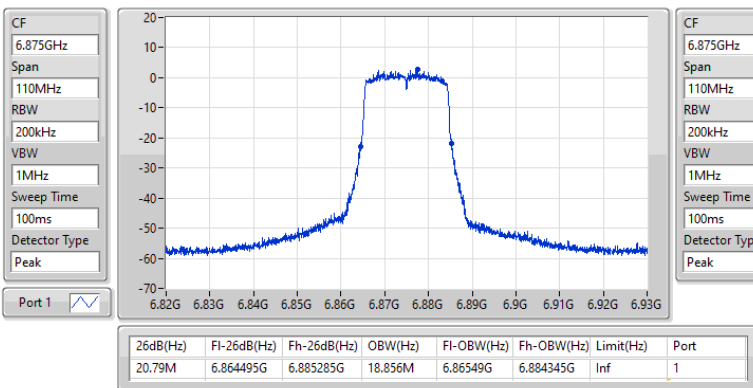


6.525-6.875GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

6875MHz Straddle 6.525-6.875GHz

10/04/2023



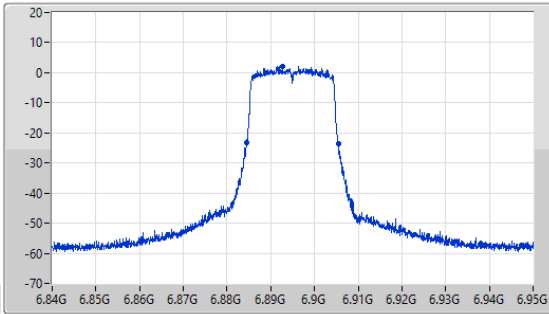
6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

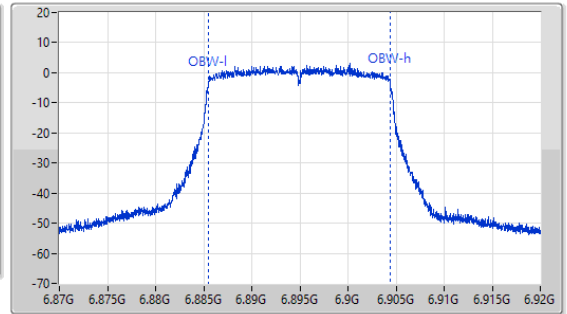
6895MHz

10/04/2023

CF  
6.895GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.895GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.88444G	6.90545G	18.891M	6.885505G	6.904395G	Inf	1

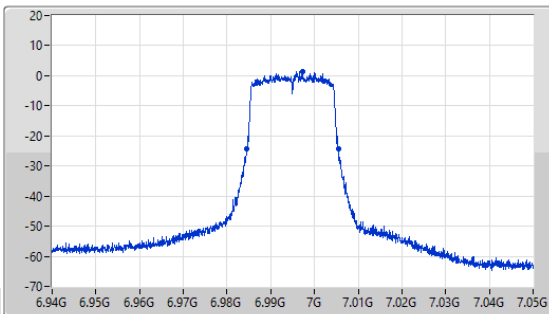
6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

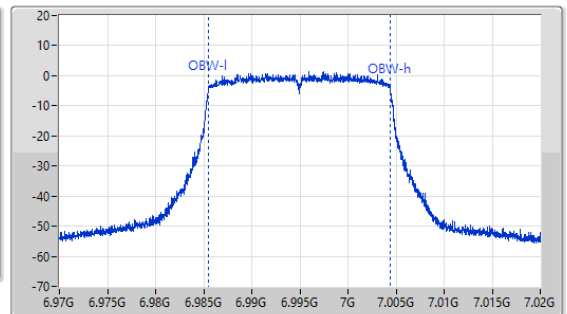
6995MHz

10/04/2023

CF  
6.995GHz  
Span  
110MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



CF  
6.995GHz  
Span  
50MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Peak



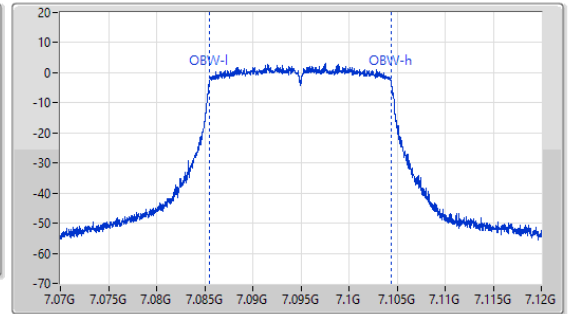
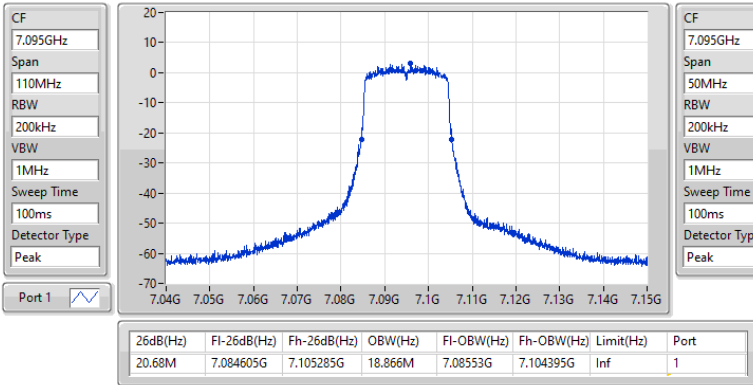
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.98444G	7.00545G	18.866M	6.98553G	7.004395G	Inf	1

6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

7095MHz

10/04/2023

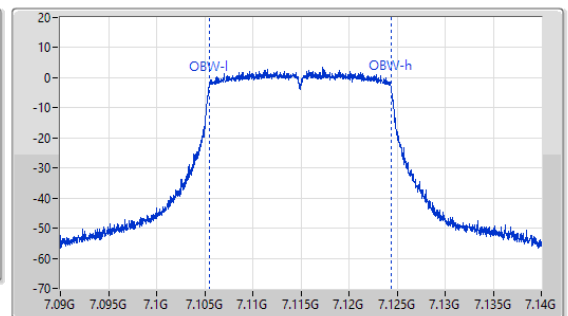
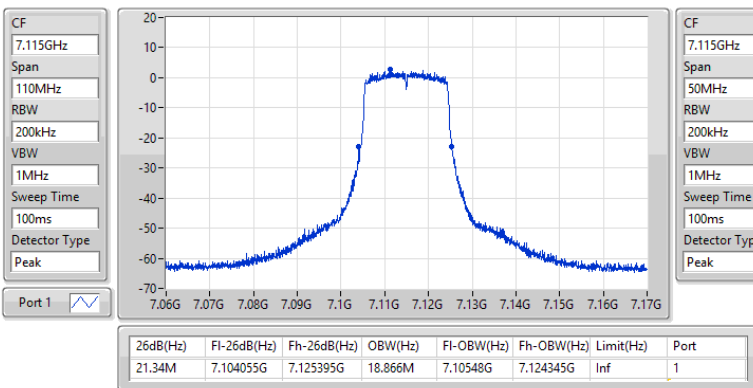


6.875-7.125GHz\_802.11ax HEW20\_Nss1,(MCS0)\_1TX

EBW

7115MHz

28/04/2023





## Average Power\_Radio 2-1T1S, 2T1S, 4T1S

## Appendix C.1

### Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	11.78	0.01507	17.78	0.05998
802.11ax HEW20_Nss1,(MCS0)_2TX	11.66	0.01466	18.15	0.06531
802.11ax HEW20_Nss1,(MCS0)_4TX	9.42	0.00875	15.91	0.03899
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	11.66	0.01466	18.17	0.06561
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.42	0.00875	18.63	0.07295
802.11ax HEW40_Nss1,(MCS0)_1TX	14.68	0.02938	20.68	0.11695
802.11ax HEW40_Nss1,(MCS0)_2TX	14.75	0.02985	21.24	0.13305
802.11ax HEW40_Nss1,(MCS0)_4TX	12.26	0.01683	18.75	0.07499
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	14.75	0.02985	21.26	0.13366
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.26	0.01683	21.47	0.14028
802.11ax HEW80_Nss1,(MCS0)_1TX	17.63	0.05794	23.63	0.23067
802.11ax HEW80_Nss1,(MCS0)_2TX	17.92	0.06194	24.41	0.27606
802.11ax HEW80_Nss1,(MCS0)_4TX	15.47	0.03524	21.96	0.15704
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	17.92	0.06194	24.43	0.27733
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	15.47	0.03524	24.68	0.29376
802.11ax HEW160_Nss1,(MCS0)_1TX	18.24	0.06668	24.24	0.26546
802.11ax HEW160_Nss1,(MCS0)_2TX	20.10	0.10233	26.59	0.45604
802.11ax HEW160_Nss1,(MCS0)_4TX	18.19	0.06592	24.68	0.29376
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	20.10	0.10233	26.61	0.45814
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.19	0.06592	27.40	0.54954
6.425-6.525GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	13.06	0.02023	17.93	0.06209
802.11ax HEW20_Nss1,(MCS0)_2TX	11.81	0.01517	17.71	0.05902
802.11ax HEW20_Nss1,(MCS0)_4TX	9.13	0.00818	16.44	0.04406
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	11.81	0.01517	18.05	0.06383
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	9.13	0.00818	18.16	0.06546
802.11ax HEW40_Nss1,(MCS0)_1TX	15.81	0.03811	20.68	0.11695
802.11ax HEW40_Nss1,(MCS0)_2TX	15.15	0.03273	21.05	0.12735
802.11ax HEW40_Nss1,(MCS0)_4TX	12.31	0.01702	19.62	0.09162
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.15	0.03273	21.39	0.13772
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	12.31	0.01702	21.34	0.13614
802.11ax HEW80_Nss1,(MCS0)_1TX	17.54	0.05675	22.41	0.17418
802.11ax HEW80_Nss1,(MCS0)_2TX	18.11	0.06471	24.01	0.25177
802.11ax HEW80_Nss1,(MCS0)_4TX	15.79	0.03793	23.10	0.20417
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	18.11	0.06471	24.35	0.27227
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	15.79	0.03793	24.82	0.30339
802.11ax HEW160_Nss1,(MCS0)_1TX	17.28	0.05346	22.15	0.16406
802.11ax HEW160_Nss1,(MCS0)_2TX	20.51	0.11246	26.41	0.43752
802.11ax HEW160_Nss1,(MCS0)_4TX	18.53	0.07129	25.84	0.38371
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	20.51	0.11246	26.75	0.47315
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	18.53	0.07129	27.56	0.57016
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	10.23	0.01054	17.88	0.06138
802.11ax HEW20_Nss1,(MCS0)_2TX	10.57	0.01140	18.22	0.06637
802.11ax HEW20_Nss1,(MCS0)_4TX	8.36	0.00685	16.01	0.03990
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	10.57	0.01140	18.24	0.06668
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.36	0.00685	18.68	0.07379
802.11ax HEW40_Nss1,(MCS0)_1TX	13.18	0.02080	20.83	0.12106
802.11ax HEW40_Nss1,(MCS0)_2TX	13.78	0.02388	21.43	0.13900
802.11ax HEW40_Nss1,(MCS0)_4TX	11.01	0.01262	18.66	0.07345
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	13.78	0.02388	21.45	0.13964
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.01	0.01262	21.33	0.13583
802.11ax HEW80_Nss1,(MCS0)_1TX	16.08	0.04055	23.73	0.23605
802.11ax HEW80_Nss1,(MCS0)_2TX	16.88	0.04875	24.53	0.28379



**Average Power\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix C.1**

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
802.11ax HEW80_Nss1,(MCS0)_4TX	14.54	0.02844	22.19	0.16558
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.88	0.04875	24.55	0.28510
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	14.54	0.02844	24.86	0.30620
802.11ax HEW160_Nss1,(MCS0)_1TX	18.39	0.06902	26.04	0.40179
802.11ax HEW160_Nss1,(MCS0)_2TX	18.85	0.07674	26.50	0.44668
802.11ax HEW160_Nss1,(MCS0)_4TX	17.29	0.05358	24.94	0.31189
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	18.85	0.07674	26.52	0.44875
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	17.29	0.05358	27.61	0.57677
6.875-7.125GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	9.88	0.00973	18.20	0.06607
802.11ax HEW20_Nss1,(MCS0)_2TX	10.55	0.01135	18.87	0.07709
802.11ax HEW20_Nss1,(MCS0)_4TX	8.81	0.00760	17.13	0.05164
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	10.55	0.01135	18.93	0.07816
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	8.81	0.00760	19.52	0.08954
802.11ax HEW40_Nss1,(MCS0)_1TX	12.39	0.01734	20.71	0.11776
802.11ax HEW40_Nss1,(MCS0)_2TX	12.94	0.01968	21.26	0.13366
802.11ax HEW40_Nss1,(MCS0)_4TX	11.28	0.01343	19.60	0.09120
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	12.94	0.01968	21.32	0.13552
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	11.28	0.01343	21.99	0.15812
802.11ax HEW80_Nss1,(MCS0)_1TX	15.93	0.03917	24.25	0.26607
802.11ax HEW80_Nss1,(MCS0)_2TX	16.02	0.03999	24.34	0.27164
802.11ax HEW80_Nss1,(MCS0)_4TX	13.97	0.02495	22.29	0.16943
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.02	0.03999	24.40	0.27542
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	13.97	0.02495	24.68	0.29376
802.11ax HEW160_Nss1,(MCS0)_1TX	17.82	0.06053	26.14	0.41115
802.11ax HEW160_Nss1,(MCS0)_2TX	18.16	0.06546	26.48	0.44463
802.11ax HEW160_Nss1,(MCS0)_4TX	16.55	0.04519	24.87	0.30690
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	18.16	0.06546	26.54	0.45082
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	16.55	0.04519	27.26	0.53211



## Average Power\_Radio 2-1T1S, 2T1S, 4T1S

## Appendix C.1

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.00	11.65				11.65	Inf	17.65	30.00
6175MHz	Pass	6.00	11.78				11.78	Inf	17.78	30.00
6415MHz	Pass	6.00	11.63				11.63	Inf	17.63	30.00
6435MHz	Pass	4.87	12.77				12.77	Inf	17.64	30.00
6475MHz	Pass	4.87	13.06				13.06	Inf	17.93	30.00
6515MHz	Pass	4.87	12.86				12.86	Inf	17.73	30.00
6535MHz	Pass	7.65	10.23				10.23	Inf	17.88	30.00
6695MHz	Pass	7.65	10.18				10.18	Inf	17.83	30.00
6855MHz	Pass	7.65	9.95				9.95	Inf	17.60	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.65	10.01				10.01	Inf	17.66	30.00
6895MHz	Pass	8.32	9.62				9.62	Inf	17.94	30.00
6995MHz	Pass	8.32	9.68				9.68	Inf	18.00	30.00
7095MHz	Pass	8.32	9.88				9.88	Inf	18.20	30.00
7115MHz	Pass	8.32	9.48				9.48	Inf	17.80	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.00	14.64				14.64	Inf	20.64	30.00
6165MHz	Pass	6.00	14.68				14.68	Inf	20.68	30.00
6405MHz	Pass	6.00	14.63				14.63	Inf	20.63	30.00
6445MHz	Pass	4.87	15.51				15.51	Inf	20.38	30.00
6485MHz	Pass	4.87	15.81				15.81	Inf	20.68	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	4.87	15.6				15.60	Inf	20.47	30.00
6565MHz	Pass	7.65	12.88				12.88	Inf	20.53	30.00
6685MHz	Pass	7.65	12.97				12.97	Inf	20.62	30.00
6845MHz	Pass	7.65	13.18				13.18	Inf	20.83	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.65	13.18				13.18	Inf	20.83	30.00
6925MHz	Pass	8.32	12.39				12.39	Inf	20.71	30.00
7005MHz	Pass	8.32	11.85				11.85	Inf	20.17	30.00
7085MHz	Pass	8.32	12.25				12.25	Inf	20.57	30.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.00	17.47				17.47	Inf	23.47	30.00
6145MHz	Pass	6.00	17.63				17.63	Inf	23.63	30.00
6385MHz	Pass	6.00	17.09				17.09	Inf	23.09	30.00
6465MHz	Pass	4.87	17.54				17.54	Inf	22.41	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	4.87	17.13				17.13	Inf	22.00	30.00
6625MHz	Pass	7.65	15.53				15.53	Inf	23.18	30.00
6705MHz	Pass	7.65	16.08				16.08	Inf	23.73	30.00
6785MHz	Pass	7.65	15.7				15.70	Inf	23.35	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.65	15.83				15.83	Inf	23.48	30.00
6945MHz	Pass	8.32	15.41				15.41	Inf	23.73	30.00
7025MHz	Pass	8.32	15.93				15.93	Inf	24.25	30.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.00	17.61				17.61	Inf	23.61	30.00
6185MHz	Pass	6.00	18.24				18.24	Inf	24.24	30.00
6345MHz	Pass	6.00	16.63				16.63	Inf	22.63	30.00
6505MHz	Pass	4.87	17.28				17.28	Inf	22.15	30.00
6665MHz	Pass	7.65	18.23				18.23	Inf	25.88	30.00
6825MHz	Pass	7.65	18.39				18.39	Inf	26.04	30.00
6985MHz	Pass	8.32	17.82				17.82	Inf	26.14	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.49	8.68	8.58			11.64	Inf	18.13	30.00
6175MHz	Pass	6.49	8.73	8.56			11.66	Inf	18.15	30.00
6415MHz	Pass	6.49	8.6	8.43			11.53	Inf	18.02	30.00
6435MHz	Pass	5.90	8.8	8.8			11.81	Inf	17.71	30.00
6475MHz	Pass	5.90	8.54	8.46			11.51	Inf	17.41	30.00





**Average Power\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix C.1**

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)
6515MHz	Pass	5.90	8.92	8.61			11.78	Inf	17.68	30.00
6535MHz	Pass	7.65	7.49	7.55			10.53	Inf	18.18	30.00
6695MHz	Pass	7.65	7.35	6.94			10.16	Inf	17.81	30.00
6855MHz	Pass	7.65	7.35	6.73			10.06	Inf	17.71	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.65	7.8	7.31			10.57	Inf	18.22	30.00
6895MHz	Pass	8.32	6.83	6.46			9.66	Inf	17.98	30.00
6995MHz	Pass	8.32	6.78	6.26			9.54	Inf	17.86	30.00
7095MHz	Pass	8.32	7.98	7.05			10.55	Inf	18.87	30.00
7115MHz	Pass	8.32	6.12	6.65			9.40	Inf	17.72	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.49	11.48	11.46			14.48	Inf	20.97	30.00
6165MHz	Pass	6.49	11.62	11.43			14.54	Inf	21.03	30.00
6405MHz	Pass	6.49	11.65	11.83			14.75	Inf	21.24	30.00
6445MHz	Pass	5.90	12.21	12.07			15.15	Inf	21.05	30.00
6485MHz	Pass	5.90	12	11.81			14.92	Inf	20.82	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	5.90	11.69	11.56			14.64	Inf	20.54	30.00
6565MHz	Pass	7.65	10.41	11.1			13.78	Inf	21.43	30.00
6685MHz	Pass	7.65	10.51	10.82			13.68	Inf	21.33	30.00
6845MHz	Pass	7.65	10.25	10.14			13.21	Inf	20.86	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.65	10.33	10.15			13.25	Inf	20.90	30.00
6925MHz	Pass	8.32	9.9	9.66			12.79	Inf	21.11	30.00
7005MHz	Pass	8.32	10	9.86			12.94	Inf	21.26	30.00
7085MHz	Pass	8.32	9.76	10.04			12.91	Inf	21.23	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.49	15.11	14.7			17.92	Inf	24.41	30.00
6145MHz	Pass	6.49	14.64	14.69			17.68	Inf	24.17	30.00
6385MHz	Pass	6.49	14.73	14.99			17.87	Inf	24.36	30.00
6465MHz	Pass	5.90	15.2	14.99			18.11	Inf	24.01	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	5.90	14.68	14.85			17.78	Inf	23.68	30.00
6625MHz	Pass	7.65	13.19	13.36			16.29	Inf	23.94	30.00
6705MHz	Pass	7.65	13.24	13.31			16.29	Inf	23.94	30.00
6785MHz	Pass	7.65	13.11	13.28			16.21	Inf	23.86	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.65	13.95	13.78			16.88	Inf	24.53	30.00
6945MHz	Pass	8.32	12.97	12.66			15.83	Inf	24.15	30.00
7025MHz	Pass	8.32	12.95	13.07			16.02	Inf	24.34	30.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.49	17.2	16.67			19.95	Inf	26.44	30.00
6185MHz	Pass	6.49	17.18	16.74			19.98	Inf	26.47	30.00
6345MHz	Pass	6.49	16.8	17.37			20.10	Inf	26.59	30.00
6505MHz	Pass	5.90	17.49	17.51			20.51	Inf	26.41	30.00
6665MHz	Pass	7.65	15.47	15.82			18.66	Inf	26.31	30.00
6825MHz	Pass	7.65	15.88	15.8			18.85	Inf	26.50	30.00
6985MHz	Pass	8.32	15.41	14.88			18.16	Inf	26.48	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.49	4.06	2.07	2.82	3.78	9.27	Inf	15.76	30.00
6175MHz	Pass	6.49	4.1	2.98	2.36	3.92	9.42	Inf	15.91	30.00
6415MHz	Pass	6.49	2.73	3.44	2.56	3	8.97	Inf	15.46	30.00
6435MHz	Pass	7.31	2.95	3.77	2.62	3.03	9.13	Inf	16.44	30.00
6475MHz	Pass	7.31	3.11	3.38	2.72	3.15	9.12	Inf	16.43	30.00
6515MHz	Pass	7.31	2.93	3.58	2.68	3.18	9.13	Inf	16.44	30.00
6535MHz	Pass	7.65	1.86	3.28	1.76	2.3	8.36	Inf	16.01	30.00
6695MHz	Pass	7.65	2.4	2.66	1.59	2.36	8.29	Inf	15.94	30.00
6855MHz	Pass	7.65	2.22	2.03	1.95	1.73	8.01	Inf	15.66	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.65	2.68	2.06	2.39	1.98	8.31	Inf	15.96	30.00
6895MHz	Pass	8.32	2.38	2.12	1.82	1.58	8.01	Inf	16.33	30.00
6995MHz	Pass	8.32	1.21	1.33	2.06	1.43	7.54	Inf	15.86	30.00



**Average Power\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix C.1**

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)
7095MHz	Pass	8.32	3.23	2.4	2.89	2.58	8.81	Inf	17.13	30.00
7115MHz	Pass	8.32	1.46	1.03	1.7	0.48	7.21	Inf	15.53	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.49	6.96	5.86	5.6	6.4	12.26	Inf	18.75	30.00
6165MHz	Pass	6.49	6.96	5.26	5.7	6.81	12.26	Inf	18.75	30.00
6405MHz	Pass	6.49	6.07	6.29	6.02	6.24	12.18	Inf	18.67	30.00
6445MHz	Pass	7.31	6.41	6.5	5.95	6.26	12.31	Inf	19.62	30.00
6485MHz	Pass	7.31	6.33	6.2	6.05	6.27	12.23	Inf	19.54	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	7.31	6.22	6.1	6.02	6.17	12.15	Inf	19.46	30.00
6565MHz	Pass	7.65	4.84	4.96	4.99	4.89	10.94	Inf	18.59	30.00
6685MHz	Pass	7.65	5.04	4.83	4.66	5.19	10.96	Inf	18.61	30.00
6845MHz	Pass	7.65	5.16	4.93	5.66	4.06	11.01	Inf	18.66	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.65	4.66	4.71	5.49	3.83	10.73	Inf	18.38	30.00
6925MHz	Pass	8.32	4.66	4.6	5.66	3.7	10.73	Inf	19.05	30.00
7005MHz	Pass	8.32	4.55	4.33	5.34	3.63	10.53	Inf	18.85	30.00
7085MHz	Pass	8.32	5.8	4.76	5.31	5.09	11.28	Inf	19.60	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.49	9.29	8.6	8.95	8.98	14.98	Inf	21.47	30.00
6145MHz	Pass	6.49	9.44	9.14	9.53	9	15.30	Inf	21.79	30.00
6385MHz	Pass	6.49	9.31	9.43	9.72	9.34	15.47	Inf	21.96	30.00
6465MHz	Pass	7.31	9.81	9.54	10.08	9.61	15.79	Inf	23.10	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	7.31	9.45	9.24	9.71	9.33	15.46	Inf	22.77	30.00
6625MHz	Pass	7.65	8.1	8.91	7.5	7.66	14.10	Inf	21.75	30.00
6705MHz	Pass	7.65	8.34	8.97	8.55	7.7	14.43	Inf	22.08	30.00
6785MHz	Pass	7.65	8.73	9.08	8.11	8.06	14.54	Inf	22.19	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.65	8.87	8.09	8.98	7.84	14.49	Inf	22.14	30.00
6945MHz	Pass	8.32	8.12	7.39	8.48	7.74	13.97	Inf	22.29	30.00
7025MHz	Pass	8.32	8.07	8.03	7.38	8.14	13.94	Inf	22.26	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.49	11.98	11.31	11.85	12.08	17.84	Inf	24.33	30.00
6185MHz	Pass	6.49	12.13	11.58	12.15	11.69	17.92	Inf	24.41	30.00
6345MHz	Pass	6.49	11.88	12.04	12.49	12.24	18.19	Inf	24.68	30.00
6505MHz	Pass	7.31	12.53	12.24	12.88	12.34	18.53	Inf	25.84	30.00
6665MHz	Pass	7.65	11.24	11.34	11.43	11.04	17.29	Inf	24.94	30.00
6825MHz	Pass	7.65	11.4	10.93	11.42	10.88	17.19	Inf	24.84	30.00
6985MHz	Pass	8.32	10.76	10.47	10.51	10.38	16.55	Inf	24.87	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.51	8.68	8.58			11.64	Inf	18.15	30.00
6175MHz	Pass	6.51	8.73	8.56			11.66	Inf	18.17	30.00
6415MHz	Pass	6.51	8.6	8.43			11.53	Inf	18.04	30.00
6435MHz	Pass	6.24	8.8	8.8			11.81	Inf	18.05	30.00
6475MHz	Pass	6.24	8.54	8.46			11.51	Inf	17.75	30.00
6515MHz	Pass	6.24	8.92	8.61			11.78	Inf	18.02	30.00
6535MHz	Pass	7.67	7.49	7.55			10.53	Inf	18.20	30.00
6695MHz	Pass	7.67	7.35	6.94			10.16	Inf	17.83	30.00
6855MHz	Pass	7.67	7.35	6.73			10.06	Inf	17.73	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.67	7.8	7.31			10.57	Inf	18.24	30.00
6895MHz	Pass	8.38	6.83	6.46			9.66	Inf	18.04	30.00
6995MHz	Pass	8.38	6.78	6.26			9.54	Inf	17.92	30.00
7095MHz	Pass	8.38	7.98	7.05			10.55	Inf	18.93	30.00
7115MHz	Pass	8.38	6.12	6.65			9.40	Inf	17.78	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.51	11.48	11.46			14.48	Inf	20.99	30.00
6165MHz	Pass	6.51	11.62	11.43			14.54	Inf	21.05	30.00
6405MHz	Pass	6.51	11.65	11.83			14.75	Inf	21.26	30.00
6445MHz	Pass	6.24	12.21	12.07			15.15	Inf	21.39	30.00



**Average Power\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix C.1**

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)
6485MHz	Pass	6.24	12	11.81			14.92	Inf	21.16	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	6.24	11.69	11.56			14.64	Inf	20.88	30.00
6565MHz	Pass	7.67	10.41	11.1			13.78	Inf	21.45	30.00
6685MHz	Pass	7.67	10.51	10.82			13.68	Inf	21.35	30.00
6845MHz	Pass	7.67	10.25	10.14			13.21	Inf	20.88	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.67	10.33	10.15			13.25	Inf	20.92	30.00
6925MHz	Pass	8.38	9.9	9.66			12.79	Inf	21.17	30.00
7005MHz	Pass	8.38	10	9.86			12.94	Inf	21.32	30.00
7085MHz	Pass	8.38	9.76	10.04			12.91	Inf	21.29	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.51	15.11	14.7			17.92	Inf	24.43	30.00
6145MHz	Pass	6.51	14.64	14.69			17.68	Inf	24.19	30.00
6385MHz	Pass	6.51	14.73	14.99			17.87	Inf	24.38	30.00
6465MHz	Pass	6.24	15.2	14.99			18.11	Inf	24.35	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	6.24	14.68	14.85			17.78	Inf	24.02	30.00
6625MHz	Pass	7.67	13.19	13.36			16.29	Inf	23.96	30.00
6705MHz	Pass	7.67	13.24	13.31			16.29	Inf	23.96	30.00
6785MHz	Pass	7.67	13.11	13.28			16.21	Inf	23.88	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.67	13.95	13.78			16.88	Inf	24.55	30.00
6945MHz	Pass	8.38	12.97	12.66			15.83	Inf	24.21	30.00
7025MHz	Pass	8.38	12.95	13.07			16.02	Inf	24.40	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.51	17.2	16.67			19.95	Inf	26.46	30.00
6185MHz	Pass	6.51	17.18	16.74			19.98	Inf	26.49	30.00
6345MHz	Pass	6.51	16.8	17.37			20.10	Inf	26.61	30.00
6505MHz	Pass	6.24	17.49	17.51			20.51	Inf	26.75	30.00
6665MHz	Pass	7.67	15.47	15.82			18.66	Inf	26.33	30.00
6825MHz	Pass	7.67	15.88	15.8			18.85	Inf	26.52	30.00
6985MHz	Pass	8.38	15.41	14.88			18.16	Inf	26.54	30.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	9.21	4.06	2.07	2.82	3.78	9.27	Inf	18.48	30.00
6175MHz	Pass	9.21	4.1	2.98	2.36	3.92	9.42	Inf	18.63	30.00
6415MHz	Pass	9.21	2.73	3.44	2.56	3	8.97	Inf	18.18	30.00
6435MHz	Pass	9.03	2.95	3.77	2.62	3.03	9.13	Inf	18.16	30.00
6475MHz	Pass	9.03	3.11	3.38	2.72	3.15	9.12	Inf	18.15	30.00
6515MHz	Pass	9.03	2.93	3.58	2.68	3.18	9.13	Inf	18.16	30.00
6535MHz	Pass	10.32	1.86	3.28	1.76	2.3	8.36	Inf	18.68	30.00
6695MHz	Pass	10.32	2.4	2.66	1.59	2.36	8.29	Inf	18.61	30.00
6855MHz	Pass	10.32	2.22	2.03	1.95	1.73	8.01	Inf	18.33	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	10.32	2.68	2.06	2.39	1.98	8.31	Inf	18.63	30.00
6895MHz	Pass	10.71	2.38	2.12	1.82	1.58	8.01	Inf	18.72	30.00
6995MHz	Pass	10.71	1.21	1.33	2.06	1.43	7.54	Inf	18.25	30.00
7095MHz	Pass	10.71	3.23	2.4	2.89	2.58	8.81	Inf	19.52	30.00
7115MHz	Pass	10.71	1.46	1.03	1.7	0.48	7.21	Inf	17.92	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	9.21	6.96	5.86	5.6	6.4	12.26	Inf	21.47	30.00
6165MHz	Pass	9.21	6.96	5.26	5.7	6.81	12.26	Inf	21.47	30.00
6405MHz	Pass	9.21	6.07	6.29	6.02	6.24	12.18	Inf	21.39	30.00
6445MHz	Pass	9.03	6.41	6.5	5.95	6.26	12.31	Inf	21.34	30.00
6485MHz	Pass	9.03	6.33	6.2	6.05	6.27	12.23	Inf	21.26	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	9.03	6.22	6.1	6.02	6.17	12.15	Inf	21.18	30.00
6565MHz	Pass	10.32	4.84	4.96	4.99	4.89	10.94	Inf	21.26	30.00
6685MHz	Pass	10.32	5.04	4.83	4.66	5.19	10.96	Inf	21.28	30.00
6845MHz	Pass	10.32	5.16	4.93	5.66	4.06	11.01	Inf	21.33	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	10.32	4.66	4.71	5.49	3.83	10.73	Inf	21.05	30.00
6925MHz	Pass	10.71	4.66	4.6	5.66	3.7	10.73	Inf	21.44	30.00



**Average Power\_Radio 2-1T1S, 2T1S, 4T1S**

**Appendix C.1**

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)
7005MHz	Pass	10.71	4.55	4.33	5.34	3.63	10.53	Inf	21.24	30.00
7085MHz	Pass	10.71	5.8	4.76	5.31	5.09	11.28	Inf	21.99	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	9.21	9.29	8.6	8.95	8.98	14.98	Inf	24.19	30.00
6145MHz	Pass	9.21	9.44	9.14	9.53	9	15.30	Inf	24.51	30.00
6385MHz	Pass	9.21	9.31	9.43	9.72	9.34	15.47	Inf	24.68	30.00
6465MHz	Pass	9.03	9.81	9.54	10.08	9.61	15.79	Inf	24.82	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	9.03	9.45	9.24	9.71	9.33	15.46	Inf	24.49	30.00
6625MHz	Pass	10.32	8.1	8.91	7.5	7.66	14.10	Inf	24.42	30.00
6705MHz	Pass	10.32	8.34	8.97	8.55	7.7	14.43	Inf	24.75	30.00
6785MHz	Pass	10.32	8.73	9.08	8.11	8.06	14.54	Inf	24.86	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	10.32	8.87	8.09	8.98	7.84	14.49	Inf	24.81	30.00
6945MHz	Pass	10.71	8.12	7.39	8.48	7.74	13.97	Inf	24.68	30.00
7025MHz	Pass	10.71	8.07	8.03	7.38	8.14	13.94	Inf	24.65	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	9.21	11.98	11.31	11.85	12.08	17.84	Inf	27.05	30.00
6185MHz	Pass	9.21	12.13	11.58	12.15	11.69	17.92	Inf	27.13	30.00
6345MHz	Pass	9.21	11.88	12.04	12.49	12.24	18.19	Inf	27.40	30.00
6505MHz	Pass	9.03	12.53	12.24	12.88	12.34	18.53	Inf	27.56	30.00
6665MHz	Pass	10.32	11.24	11.34	11.43	11.04	17.29	Inf	27.61	30.00
6825MHz	Pass	10.32	11.4	10.93	11.42	10.88	17.19	Inf	27.51	30.00
6985MHz	Pass	10.71	10.76	10.47	10.51	10.38	16.55	Inf	27.26	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	11.67	0.01469	18.47	0.07031
6.425-6.525GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	11.73	0.01489	18.53	0.07129
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	11.88	0.01542	18.68	0.07379
6.875-7.125GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	11.89	0.01545	18.69	0.07396



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	6.80	11.63	11.63	Inf	18.43	30.00
6175MHz	Pass	6.80	11.57	11.57	Inf	18.37	30.00
6415MHz	Pass	6.80	11.67	11.67	Inf	18.47	30.00
6435MHz	Pass	6.80	11.73	11.73	Inf	18.53	30.00
6475MHz	Pass	6.80	11.65	11.65	Inf	18.45	30.00
6515MHz	Pass	6.80	11.48	11.48	Inf	18.28	30.00
6535MHz	Pass	6.80	11.74	11.74	Inf	18.54	30.00
6695MHz	Pass	6.80	11.84	11.84	Inf	18.64	30.00
6855MHz	Pass	6.80	11.86	11.86	Inf	18.66	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	6.80	11.88	11.88	Inf	18.68	30.00
6875MHz Straddle 6.875-7.125GHz							
6895MHz	Pass	6.80	11.89	11.89	Inf	18.69	30.00
6995MHz	Pass	6.80	10.50	10.50	Inf	17.30	30.00
7095MHz	Pass	6.80	11.20	11.20	Inf	18.00	30.00
7115MHz	Pass	6.80	10.91	10.91	Inf	17.71	30.00

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



Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-1.30	4.70
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.58	4.93
802.11ax HEW20_Nss1,(MCS0)_4TX	-4.22	4.99
802.11ax HEW40_Nss1,(MCS0)_1TX	-1.09	4.91
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.52	4.99
802.11ax HEW40_Nss1,(MCS0)_4TX	-4.23	4.98
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.04	4.96
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.53	4.98
802.11ax HEW80_Nss1,(MCS0)_4TX	-4.24	4.97
802.11ax HEW160_Nss1,(MCS0)_1TX	-3.47	2.53
802.11ax HEW160_Nss1,(MCS0)_2TX	-1.65	4.86
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.40	4.81
6.425-6.525GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-0.10	4.77
802.11ax HEW20_Nss1,(MCS0)_2TX	-1.37	4.87
802.11ax HEW20_Nss1,(MCS0)_4TX	-4.46	4.57
802.11ax HEW40_Nss1,(MCS0)_1TX	-0.03	4.84
802.11ax HEW40_Nss1,(MCS0)_2TX	-1.29	4.95
802.11ax HEW40_Nss1,(MCS0)_4TX	-4.21	4.82
802.11ax HEW80_Nss1,(MCS0)_1TX	-1.11	3.76
802.11ax HEW80_Nss1,(MCS0)_2TX	-1.30	4.94
802.11ax HEW80_Nss1,(MCS0)_4TX	-4.06	4.97
802.11ax HEW160_Nss1,(MCS0)_1TX	-4.55	0.32
802.11ax HEW160_Nss1,(MCS0)_2TX	-1.48	4.76
802.11ax HEW160_Nss1,(MCS0)_4TX	-4.11	4.92
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-2.67	4.98
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.69	4.98
802.11ax HEW20_Nss1,(MCS0)_4TX	-5.36	4.96
802.11ax HEW40_Nss1,(MCS0)_1TX	-2.67	4.98
802.11ax HEW40_Nss1,(MCS0)_2TX	-2.68	4.99
802.11ax HEW40_Nss1,(MCS0)_4TX	-5.35	4.97
802.11ax HEW80_Nss1,(MCS0)_1TX	-2.73	4.92
802.11ax HEW80_Nss1,(MCS0)_2TX	-2.76	4.91
802.11ax HEW80_Nss1,(MCS0)_4TX	-5.33	4.99
802.11ax HEW160_Nss1,(MCS0)_1TX	-3.30	4.35
802.11ax HEW160_Nss1,(MCS0)_2TX	-2.98	4.69
802.11ax HEW160_Nss1,(MCS0)_4TX	-5.35	4.97
6.875-7.125GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	-3.36	4.96
802.11ax HEW20_Nss1,(MCS0)_2TX	-3.43	4.95
802.11ax HEW20_Nss1,(MCS0)_4TX	-5.77	4.94
802.11ax HEW40_Nss1,(MCS0)_1TX	-3.51	4.81
802.11ax HEW40_Nss1,(MCS0)_2TX	-3.50	4.88
802.11ax HEW40_Nss1,(MCS0)_4TX	-5.72	4.99
802.11ax HEW80_Nss1,(MCS0)_1TX	-3.40	4.92
802.11ax HEW80_Nss1,(MCS0)_2TX	-3.57	4.81
802.11ax HEW80_Nss1,(MCS0)_4TX	-5.79	4.92
802.11ax HEW160_Nss1,(MCS0)_1TX	-3.64	4.68
802.11ax HEW160_Nss1,(MCS0)_2TX	-3.61	4.77
802.11ax HEW160_Nss1,(MCS0)_4TX	-5.87	4.84

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_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.00	-1.30				-1.30	Inf	4.70	5.00
6175MHz	Pass	6.00	-1.31				-1.31	Inf	4.69	5.00
6415MHz	Pass	6.00	-1.48				-1.48	Inf	4.52	5.00
6435MHz	Pass	4.87	-0.20				-0.20	Inf	4.67	5.00
6475MHz	Pass	4.87	-0.10				-0.10	Inf	4.77	5.00
6515MHz	Pass	4.87	-0.14				-0.14	Inf	4.73	5.00
6535MHz	Pass	7.65	-2.67				-2.67	Inf	4.98	5.00
6695MHz	Pass	7.65	-2.82				-2.82	Inf	4.83	5.00
6855MHz	Pass	7.65	-2.98				-2.98	Inf	4.67	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.65	-2.97				-2.97	Inf	4.68	5.00
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	8.32	-3.49				-3.49	Inf	4.83	5.00
6995MHz	Pass	8.32	-3.36				-3.36	Inf	4.96	5.00
7095MHz	Pass	8.32	-3.50				-3.50	Inf	4.82	5.00
7115MHz	Pass	8.32	-3.40				-3.40	Inf	4.92	5.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.00	-1.21				-1.21	Inf	4.79	5.00
6165MHz	Pass	6.00	-1.21				-1.21	Inf	4.79	5.00
6405MHz	Pass	6.00	-1.09				-1.09	Inf	4.91	5.00
6445MHz	Pass	4.87	-0.35				-0.35	Inf	4.52	5.00
6485MHz	Pass	4.87	-0.03				-0.03	Inf	4.84	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	4.87	-0.10				-0.10	Inf	4.77	5.00
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	7.65	-3.04				-3.04	Inf	4.61	5.00
6685MHz	Pass	7.65	-2.87				-2.87	Inf	4.78	5.00
6845MHz	Pass	7.65	-2.67				-2.67	Inf	4.98	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.65	-2.68				-2.68	Inf	4.97	5.00
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	8.32	-3.51				-3.51	Inf	4.81	5.00
7005MHz	Pass	8.32	-3.73				-3.73	Inf	4.59	5.00
7085MHz	Pass	8.32	-3.61				-3.61	Inf	4.71	5.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.00	-1.26				-1.26	Inf	4.74	5.00
6145MHz	Pass	6.00	-1.04				-1.04	Inf	4.96	5.00
6385MHz	Pass	6.00	-1.45				-1.45	Inf	4.55	5.00
6465MHz	Pass	4.87	-1.11				-1.11	Inf	3.76	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	4.87	-1.63				-1.63	Inf	3.24	5.00
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	7.65	-2.92				-2.92	Inf	4.73	5.00
6705MHz	Pass	7.65	-2.73				-2.73	Inf	4.92	5.00
6785MHz	Pass	7.65	-3.09				-3.09	Inf	4.56	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.65	-3.00				-3.00	Inf	4.65	5.00
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	8.32	-3.40				-3.40	Inf	4.92	5.00
7025MHz	Pass	8.32	-3.49				-3.49	Inf	4.83	5.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.00	-4.21				-4.21	Inf	1.79	5.00
6185MHz	Pass	6.00	-3.47				-3.47	Inf	2.53	5.00
6345MHz	Pass	6.00	-5.39				-5.39	Inf	0.61	5.00
6505MHz	Pass	4.87	-4.55				-4.55	Inf	0.32	5.00
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	7.65	-3.60				-3.60	Inf	4.05	5.00
6825MHz	Pass	7.65	-3.30				-3.30	Inf	4.35	5.00
6825MHz Straddle 6.875-7.125GHz										





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)
6985MHz	Pass	8.32	-3.64				-3.64	Inf	4.68	5.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.51	-4.33	-4.23			-1.58	Inf	4.93	5.00
6175MHz	Pass	6.51	-4.44	-4.59			-1.64	Inf	4.87	5.00
6415MHz	Pass	6.51	-4.60	-4.59			-1.68	Inf	4.83	5.00
6435MHz	Pass	6.24	-4.29	-4.37			-1.43	Inf	4.81	5.00
6475MHz	Pass	6.24	-4.71	-4.68			-1.73	Inf	4.51	5.00
6515MHz	Pass	6.24	-4.20	-4.42			-1.37	Inf	4.87	5.00
6535MHz	Pass	7.67	-5.82	-5.68			-2.83	Inf	4.84	5.00
6695MHz	Pass	7.67	-5.89	-6.23			-3.09	Inf	4.58	5.00
6855MHz	Pass	7.67	-5.61	-6.21			-3.01	Inf	4.66	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	7.67	-5.31	-5.86			-2.69	Inf	4.98	5.00
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	8.38	-6.32	-6.78			-3.59	Inf	4.79	5.00
6995MHz	Pass	8.38	-6.29	-7.15			-3.73	Inf	4.65	5.00
7095MHz	Pass	8.38	-6.13	-7.11			-3.71	Inf	4.67	5.00
7115MHz	Pass	8.38	-6.64	-6.13			-3.43	Inf	4.95	5.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.51	-4.79	-4.87			-1.90	Inf	4.61	5.00
6165MHz	Pass	6.51	-4.72	-4.77			-1.78	Inf	4.73	5.00
6405MHz	Pass	6.51	-4.46	-4.38			-1.52	Inf	4.99	5.00
6445MHz	Pass	6.24	-4.18	-4.28			-1.29	Inf	4.95	5.00
6485MHz	Pass	6.24	-4.33	-4.51			-1.48	Inf	4.76	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	6.24	-4.63	-4.53			-1.62	Inf	4.62	5.00
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	7.67	-6.03	-5.29			-2.68	Inf	4.99	5.00
6685MHz	Pass	7.67	-5.94	-5.48			-2.75	Inf	4.92	5.00
6845MHz	Pass	7.67	-5.92	-6.00			-2.99	Inf	4.68	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	7.67	-5.95	-6.30			-3.15	Inf	4.52	5.00
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	8.38	-6.47	-6.79			-3.69	Inf	4.69	5.00
7005MHz	Pass	8.38	-6.11	-6.69			-3.50	Inf	4.88	5.00
7085MHz	Pass	8.38	-6.62	-6.64			-3.70	Inf	4.68	5.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.51	-4.27	-4.67			-1.54	Inf	4.97	5.00
6145MHz	Pass	6.51	-4.50	-4.42			-1.53	Inf	4.98	5.00
6385MHz	Pass	6.51	-4.58	-4.28			-1.56	Inf	4.95	5.00
6465MHz	Pass	6.24	-4.20	-4.39			-1.30	Inf	4.94	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	6.24	-4.55	-4.48			-1.54	Inf	4.70	5.00
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	7.67	-6.01	-5.57			-3.16	Inf	4.51	5.00
6705MHz	Pass	7.67	-6.11	-5.99			-3.12	Inf	4.55	5.00
6785MHz	Pass	7.67	-6.19	-5.96			-3.16	Inf	4.51	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	7.67	-5.53	-5.80			-2.76	Inf	4.91	5.00
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	8.38	-6.37	-6.67			-3.57	Inf	4.81	5.00
7025MHz	Pass	8.38	-6.97	-6.65			-3.86	Inf	4.52	5.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.51	-4.51	-5.06			-1.83	Inf	4.68	5.00
6185MHz	Pass	6.51	-4.38	-4.84			-1.65	Inf	4.86	5.00
6345MHz	Pass	6.51	-5.09	-4.41			-1.86	Inf	4.65	5.00
6505MHz	Pass	6.24	-4.35	-4.43			-1.48	Inf	4.76	5.00
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	7.67	-6.45	-5.80			-3.15	Inf	4.52	5.00
6825MHz	Pass	7.67	-5.75	-5.87			-2.98	Inf	4.69	5.00
6825MHz Straddle 6.875-7.125GHz										



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)
6985MHz	Pass	8.38	-6.24	-6.91			-3.61	Inf	4.77	5.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	9.21	-9.41	-10.88	-10.50	-9.74	-4.22	Inf	4.99	5.00
6175MHz	Pass	9.21	-9.86	-10.10	-10.58	-11.21	-4.48	Inf	4.73	5.00
6415MHz	Pass	9.21	-10.57	-9.91	-10.78	-10.34	-4.49	Inf	4.72	5.00
6435MHz	Pass	9.03	-10.44	-9.83	-10.81	-10.37	-4.46	Inf	4.57	5.00
6475MHz	Pass	9.03	-10.40	-9.84	-10.78	-10.33	-4.46	Inf	4.57	5.00
6515MHz	Pass	9.03	-10.65	-10.08	-10.86	-10.29	-4.53	Inf	4.50	5.00
6535MHz	Pass	10.32	-11.66	-10.50	-11.86	-11.29	-5.36	Inf	4.96	5.00
6695MHz	Pass	10.32	-11.37	-10.94	-12.06	-11.31	-5.44	Inf	4.88	5.00
6855MHz	Pass	10.32	-11.16	-11.55	-11.57	-11.89	-5.62	Inf	4.70	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	10.32	-10.89	-11.58	-11.21	-11.51	-5.46	Inf	4.86	5.00
6875MHz Straddle 6.875-7.125GHz										
6895MHz	Pass	10.71	-11.21	-11.57	-11.64	-12.10	-5.77	Inf	4.94	5.00
6995MHz	Pass	10.71	-11.89	-12.31	-11.48	-12.41	-6.14	Inf	4.57	5.00
7095MHz	Pass	10.71	-11.25	-12.06	-11.52	-11.96	-5.82	Inf	4.89	5.00
7115MHz	Pass	10.71	-11.31	-11.82	-11.20	-12.49	-5.80	Inf	4.91	5.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	9.21	-9.53	-10.60	-10.70	-10.00	-4.24	Inf	4.97	5.00
6165MHz	Pass	9.21	-9.42	-11.07	-10.56	-9.61	-4.23	Inf	4.98	5.00
6405MHz	Pass	9.21	-10.26	-10.11	-10.43	-10.19	-4.35	Inf	4.86	5.00
6445MHz	Pass	9.03	-9.91	-10.05	-10.43	-10.17	-4.27	Inf	4.76	5.00
6485MHz	Pass	9.03	-10.06	-10.31	-10.40	-10.20	-4.33	Inf	4.70	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	9.03	-9.97	-10.36	-10.23	-10.12	-4.21	Inf	4.82	5.00
6525MHz Straddle 6.525-6.875GHz										
6565MHz	Pass	10.32	-11.37	-11.25	-11.42	-11.45	-5.56	Inf	4.76	5.00
6685MHz	Pass	10.32	-11.11	-11.60	-11.66	-11.07	-5.43	Inf	4.89	5.00
6845MHz	Pass	10.32	-11.04	-11.45	-10.60	-12.09	-5.35	Inf	4.97	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	10.32	-11.55	-11.54	-10.82	-12.53	-5.68	Inf	4.64	5.00
6885MHz Straddle 6.875-7.125GHz										
6925MHz	Pass	10.71	-11.60	-11.69	-10.71	-12.54	-5.72	Inf	4.99	5.00
7005MHz	Pass	10.71	-11.79	-12.03	-11.07	-12.34	-6.11	Inf	4.60	5.00
7085MHz	Pass	10.71	-10.97	-12.16	-11.70	-11.77	-6.03	Inf	4.68	5.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	9.21	-10.01	-10.69	-10.43	-10.36	-4.47	Inf	4.74	5.00
6145MHz	Pass	9.21	-9.85	-10.36	-9.75	-10.45	-4.24	Inf	4.97	5.00
6385MHz	Pass	9.21	-10.17	-10.22	-9.92	-10.32	-4.24	Inf	4.97	5.00
6465MHz	Pass	9.03	-9.78	-10.13	-9.60	-10.10	-4.06	Inf	4.97	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	9.03	-10.03	-10.23	-9.78	-10.39	-4.21	Inf	4.82	5.00
6545MHz Straddle 6.525-6.875GHz										
6625MHz	Pass	10.32	-11.23	-10.53	-11.88	-11.71	-5.47	Inf	4.85	5.00
6705MHz	Pass	10.32	-11.20	-10.75	-11.22	-11.96	-5.33	Inf	4.99	5.00
6785MHz	Pass	10.32	-10.87	-10.77	-11.76	-11.76	-5.35	Inf	4.97	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	10.32	-10.89	-11.66	-10.78	-12.00	-5.38	Inf	4.94	5.00
6865MHz Straddle 6.875-7.125GHz										
6945MHz	Pass	10.71	-11.59	-12.31	-11.21	-11.95	-5.79	Inf	4.92	5.00
7025MHz	Pass	10.71	-11.88	-11.84	-12.41	-11.72	-6.19	Inf	4.52	5.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	9.21	-10.38	-11.10	-10.18	-10.30	-4.53	Inf	4.68	5.00
6185MHz	Pass	9.21	-10.13	-10.77	-9.91	-10.52	-4.40	Inf	4.81	5.00
6345MHz	Pass	9.21	-10.70	-10.42	-9.86	-10.46	-4.49	Inf	4.72	5.00
6505MHz	Pass	9.03	-9.71	-10.11	-9.62	-10.12	-4.11	Inf	4.92	5.00
6505MHz Straddle 6.525-6.875GHz										
6665MHz	Pass	10.32	-11.18	-11.08	-11.31	-11.31	-5.38	Inf	4.94	5.00
6825MHz	Pass	10.32	-10.89	-11.36	-11.06	-11.42	-5.35	Inf	4.97	5.00
6825MHz Straddle 6.875-7.125GHz										



## PSD\_Radio 2-1T1S, 2T1S, 4T1S

## Appendix D.1

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)
6985MHz	Pass	10.71	-11.43	-11.92	-11.78	-11.87	-5.87	Inf	4.84	5.00

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;

